NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33141



PERMIT SET
08/01/2024

REV	DESCRIPTION	DATE
4	Plan Review	06/30/25

7/3/2025 3:44:41 PM

DESIGN ARCHITECT

Wannemacher Jensen
Architects, Inc.

815 NW 57th Ave
Miami,FL 33126
Unites States

AA94244

ARCHITECT OF RECORD

WOLFBERG ALVAREZ
& PARTNERS

5757 Waterford District Drive,
Suite 300, Miami, FL 33126
United States

STRUCTURAL ENGINEER
DDA Engineers
4930 SW 74th Court Miami,FL 33155

MECHANICAL, PLUMBING, & FIRE PROTECTION ENGINEER
Wolfberg Alvarez & Partners
5757 Waterford District Drive, Suite 300 Miami, FL 33126

ELECTRICAL ENGINEER
SDM Consulting Engineers, Inc
135 Almeria Avenue Coral Gables, FL 33134

CIVIL ENGINEER
A.D.A. Engineeering Inc
8550 NW 33 Street, Suite 202 Doral, FL 33122

LANDSCAPE ARCHITECT
Curtis + Rogers Design Studio
7520 S. Red Road, Suite M South Miami, FL 33143

GEOTECHNICAL ENGINEER
Nutting Engineers of Florida, Inc.
1310 Neptune Drive, Boynton Beach, FL 33426

SUSTAINABILITY & COMMISIONING
ECSG ENERGY COST SOLUTIONS GROUP, LLC
525 71st St - #4067, Miami Beach, FL 33141

TRAFFIC / SIGNALIZATION ENGINEER
RGA Richard A Garcia & Associates, Inc.
8065 NW 98th Street, Hialeah Gardens, FL 33016

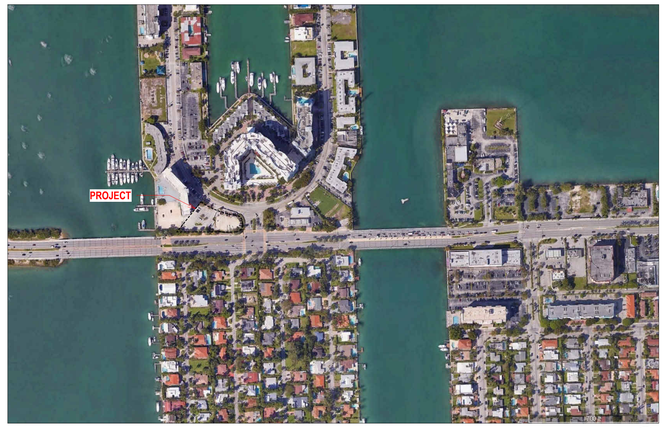
LAND SURVEYOR
Royal Point Land Surveyor, Inc.
6175 NW 153rd Street Suite 321 Miami Lakes, FL 33014

SURVEYOR
Longitude Surveyors, LLC
7700 N. Kendall Drive, Suite 705 Miami, FL 33175

EXTERIOR ENVELOPE
C.B. Goldsmith & Associates, Inc.
2555 Nursery Rd. Clearwater, FL 33764

RAR WELL REPORT
A.C.Schultes of Florida, Inc.
1401 SE 9th Ct. Hialeah, FL 33010

SITE LOCATION MAP

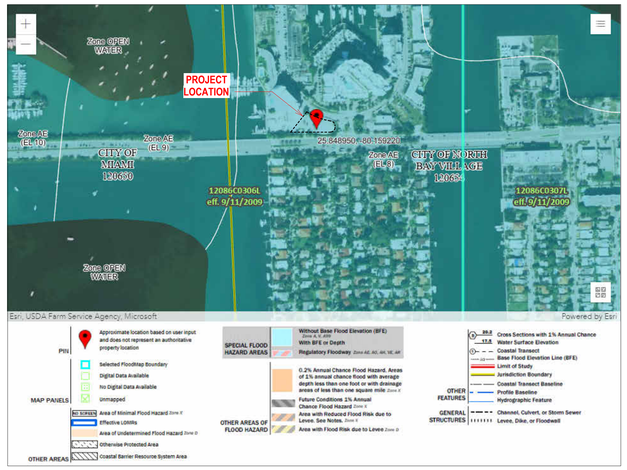


LEGAL DESCRIPTION

HARBOR ISLAND PB 44-72 PT LOT 2 DESC BEG SW COR E100FT NE143.82FT NW60FT ALG NE/L SW 200.52FT TO POB LOT SIZE 11700 SQUARE FEET OR18039-4825/18977-0780 04/98 6(2)

HARBOR ISLAND PB 44-72, LOT 2 LESS BEG SW COR E100FT NE 143.82FT NW60FT ALG NE/L SW200.52 FT TO POB LOT SIZE 21238 SQUARE FEET, PROBATE # 97-5579 1098 4

FEMA FLOOD MAP



FLOOD ZONE

FIRM MAP: 12086C0306L
DATE:09/11/2009
FEMA FLOOD ZONE: AE
BASE FLOOD ELEVATION (BFE): 8'-0"
DESIGN FLOOD ELEVATION: 10'-0" NGVD

WIND LOADS

RISK CATEGORY: IV
DESIGN WIND SPEED: 195 MPH
EXPOSURE: D

FLORIDA PRODUCT & NOA'S APPROVALS - BASIS OF DESIGN

CATEGORY	DESCRIPTION	FL / NOA APPROVAL #
CURTAIN WALL SYSTEM	YHC 300 OG OUTSIDYHC-300 OGIPACT CURTAIN WALL	FL13433.2-R10
STOREFRONT SYSTEM	YHS-50 FS	NOA 10-0902.06
METAL DOOR	FLUSH DOORS BY CURRIES ASSA ABLOY	FL16353.2
SPECIALTY DOOR	FF701-XT HURRICANE EXTERIOR FOLDING BY DOOR ENGINEERING	FL17136
HIGH-SPEED OVERHEAD DOOR	SPIRAL HZ HIGH-PERFORMANCE DOOR BY RYTEC	FL28502-R3 / NOA: 23-0929.05
LOUVER	HZ700MD BY RUSKIN	NOA: 20-1201.01
VEHICULAR TRAFFIC WATERPROOFING	VULKEM 350NF/ 346/346 BY TREMCO	NOA: 23-0711.06
UNDER TILE WATERPROOFING	VULKEM 350NF BY TREMCO	
ROUGH OPENINGS SEALANT	VULKEM 350NF/ 350NF BY TREMCO	
	DYMONIC 100 BY TREMCO	NOA: 22-0228.10
EIFS CLADDING SYSTEM	STO THERM CI LM 180 CMU EIF SYSTEM L.M.I. BY STO CORP.	NOA: 21-0708.13
ROOFING SYSTEM	JM SINGLE PLY ROOFING MEMBRANES AND ACCESORIES BY JOHNS MANVILLE	NOA: 19-0220.03
LWIC	BY CELCORE	NOA: 23-0718.06
MECHANICAL ROOF STAND	ALUMINUM STAND BY F&L ALUMINUM PARTS	NOA: 23-1206.01
INSULATED FLOOR VENT	BY SMART VENT PRODUCTS, INC	FL5822
FLOOD DOOR	PEDESTRIAN FLOOD DOOR BY PS INSUSTRIES	FL39631
FLOOD BARRIER SYSTEM	BY ATLANTIC SHUTTERS, INC.	SUBMIT S&S SHOP DRAWINGS & CALCS.
KITCHEN HOOD	ADVANDED HOOD SYSTEM	SUBMIT S&S SHOP DRAWINGS

SHOP DRAWING & DESIGN SUBMITTALS

THE ABOVE SHOP DRAWINGS LIST BUT NOT LIMITED SHALL BE SUBMITTED TO THE ARCHITECT/ ENGINEER FOR REVIEW AND THEN TO THE PERMIT PRIVATE PROVIDER FOR SUB-PERMIT. PRODUCTS/ DESIGN SHALL COMPLY WITH FBC 2023.

BLDG ENVELOPE VALUES

(FLORIDA BUILDING CODE; 107.2.1)

ENVELOPE ITEMS	VALUES
ROOF INSULATION R-VALUE	32.0
WALL INSULATION R-VALUE	10.25
PARTITIONS INSULATION R-VALUE	12.75
SKYLIGHTS	-
GLASS VIRACON VLE1-57	
SUMMER U-VALUE	0.94
SHADING COEFFICIENT	0.45
SOLAR HEAT GAIN COEFFICIENT	0.39

4

ABBREVIATIONS

A/C AIR CONDITIONING
ACOUS ACOUSTICAL
AD AREA DRAIN
ADA AMERICANS WITH DISABILITIES ACT
ADD ADDITIONAL
ADJ ADJUSTABLE
AFF ABOVE FINISH FLOOR
ALT ALTERNATE
ALUM ALUMINUM
APPRO APPROVED
APPROX. APPROXIMATE
ARCH ARCHITECTURAL
AUTO AUTOMATIC
A/V AUDIO VISUAL
B/W BETWEEN
BCA BUILDING CONSTRUCTION AUTHORITY
BLDG BUILDING
CBU CEMENTITIOUS BACKER UNIT
CFMF COLD FORM METAL FRAMING
CJ CONTROL JOINT / CONSTRUCTION JOINT
CL CENTER LINE
CLG CEILING
CLR CLEAR
CMU CONCRETE MASONRY UNIT
CNTR COUNTER
CO CLEANOUT
COL COLUMN
CONC CONCRETE
COND CONDITION
CONN CONNECTION
CONT CONTINUOUS
COORD COORDINATE
CORR CORRIDOR
CTR CENTER
DBL DOUBLE
DEMO DEMOLITION
DEPT DEPARTMENT
DET DETAIL
DF DRINKING FOUNTAIN
DIA DIAMETER
DIFF DIFFUSER
DIM DIMENSION
DN DOWN
DP DIMENSION POINT
DR DOOR
DRN DRAIN
DWG DRAWING
EA EACH
EJ EXPANSION JOINT
ELEV ELEVATION
ELEC ELECTRICAL
ENCL ENCLOSURE
EQ EQUAL
EQUIP EQUIPMENT
EW EACH WAY
EWC ELECTRICAL WATER COOLER
EXIST EXISTING
EXP EXPANSION
EXT EXTERIOR
F/ FACE OF (SEE OTHER WORD)
FA FIRE ALARM
FACP FIRE ALARM CONTROL PANEL
FD FLOOR DRAIN
FDC FIRE DEPARTMENT CONNECTION
FEC FIRE EXTINGUISHER CABINET
FEX FIRE EXTINGUISHER
FF FINISH FLOOR
FF&E FURNITURE, FINISHES & EQUIPMENT
FHC FIRE HOSE CABINET
FIN FINISH
FIXT FIXTURE
FL FLOOR
FR FRAME
FT FEET
FURN FURNITURE/ FURNISHED
FURR FURRING
GA GAUGE / GAGE
GALV GALVANIZED
GC GENERAL CONTRACT/OR
GL-xx, GLASS
GWB GYPSUM WALLBOARD
HB HOSE BIBB
HCP HANDICAPPED
HDW HARDWARE
HM HOLLOW METAL
HORIZ HORIZONTAL
HP HANDICAPPED
HR HOUR
HSS HOLLOW STRUCTURAL SECTION
HT HEIGHT
HVAC HEATING, VENTILATING, AIR CONDITIONING
HW HOT WATER
IN INCH
INCL INCLUDED / INCLUDING
INFO INFORMATION
INT INTERIOR
INTERM INTERMEDIATE
ISA INTNL SYMBOL OF ACCESSIBILITY
LAV LAVATORY
LVR LOUVER
MAINT MAINTENANCE
MAX MAXIMUM
MECH MECHANICAL
MEP MECHANICAL, ELECTRICAL, PLUMBING
MFR MANUFACTURER
MIN MINIMUM
MISC MISCELLANEOUS
MM MILLIMETER
MTD MOUNTED
MTL METAL
MULL MULLION
N/A NOT APPLICABLE
NC NOISE CRITERIA
NIC NOT IN CONTRACT
NO NUMBER
NOM NOMINAL
NRC NOISE REDUCTION COEFFICIENT
NTS NOT TO SCALE
OC ON CENTER
OH OVER HEAD
OPNG OPENING
OPP OPPOSITE
OPP HD OPPOSITE HAND
PAV PAVER
PERF PERFORATED
PERIM PERIMETER
PERP PERPENDICULAR
PLAM PLASTIC LAMINATE
PLBG PLUMBING
PR PAIR
PREFAB PREFABRICATED
PT PRESSURE TREATED
PTD PAINTED
PTN PARTITION
PTxx PAINT
QC QUALITY CONTROL
QTY QUANTITY
R RADIUS
RCP REFLECTED CEILING PLAN
RD ROOF DRAIN
REC RECESSED
REF REFERENCE
REQ REQUIRE / REQUIRED
REV REVISION / REVISED
RM ROOM
SCHED SCHEDULE
SD STORM DRAIN
SECT SECTION
SF SQUARE FEET/FOOT
SHT SHEET
SIM SIMILAR
SPEC SPECIFICATION
SPKR SPEAKER
SPR SPRINKLER
SQ SQUARE
SS STAINLESS STEEL
SSK SERVICE SINK
STD STANDARD
STL STEEL
STOR STORAGE
STRL STRUCTURAL
SUSP SUSPENDED
SYMM SYMMETRICAL
TEL TELEPHONE OR TELECOM
THK THICKNESS
THRU THROUGH
TV TELEVISION
TYP TYPICAL
UL UNDERWRITERS LABORATORY
UNFIN UNFINISHED
U.N.O. UNLESS NOTED OTHERWISE
UON UNLESS OTHERWISE NOTED
UR URINAL
VCT VINYL COMPOSITION TILE
VERT VERTICAL
VEST VESTIBULE
VIF VERIFY IN FIELD
W WIDE, WIDTH
W/ WITH
W/O WITHOUT
WC WATER CLOSET
WD WOOD
WDW WINDOW
WWF WELDED WIRE FABRIC
XTR EXISTING TO REMAIN

GENERAL NOTES

1. EXISTING ITEMS AND CONDITIONS ARE DEPICTED AND DESCRIBED ON THESE DRAWINGS ACCORDING TO THE BEST AVAILABLE INFORMATION AND SURVEYS. THE ARCHITECT PROVIDES NO ASSURANCE AS TO, AND ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THESE DEPICTIONS AND DESCRIPTIONS. FIELD VERIFY AND DETERMINE, BY ANY MEANS NECESSARY, THE ACTUAL LOCATION, CONFIGURATION AND CONDITION OF ALL PERTINENT ITEMS, INCLUDING THOSE THAT MAY BE IN CONCEALED LOCATIONS. IF INVESTIGATION DISCOVERS THAT ACTUAL CONDITIONS DIFFER FROM WHAT IS DEPICTED OR DESCRIBED ON THESE DRAWINGS OR IF THE ITEMS AND CONDITIONS THAT ARE TO REMAIN AS PART OF THE FINISHED WORK ARE UNSUITABLE TO SUPPORT OR ACCOMMODATE THE WORK REQUIRED FOR THIS PROJECT, OR DO NOT COMPLY WITH BUILDING CODE REQUIREMENTS OR MEET CONSTRUCTION INDUSTRY STANDARDS, IMMEDIATELY NOTIFY THE ARCHITECT BY RFI AND DO NOT PROCEED WITH THE WORK UNTIL RECEIPT OF SUPPLEMENTAL INSTRUCTIONS FROM THE ARCHITECT.

2. ESTABLISH AREAS AND LIMITS OF CONSTRUCTION ACTIVITY ACCEPTABLE TO THE OWNER AND PROVIDE THE TEMPORARY FACILITIES REQUIRED TO ACCOMPLISH THE WORK INCLUDING; FIELD OFFICE, TOILETS, ELECTRIC SERVICE, SITE ACCESS, PARKING, STORAGE AND CONSTRUCTION STAGING AREAS. PROVIDE TEMPORARY WALKWAYS, DRIVEWAYS, BARRIERS, SIGNS AND ILLUMINATION TO SEPARATE AND PROTECT THE GENERAL PUBLIC FROM THE WORK RELATED ACTIVITIES. PROVIDE ACCESS ROUTES TO AND FROM AREAS OF CONSTRUCTION ACTIVITY FOR CONSTRUCTION PERSONNEL THAT COMPLY WITH ALL OSHA AND OTHER GOVERNMENT SAFETY AND ACCESSIBILITY REQUIREMENTS. ASSUME FULL LIABILITY FOR ANY DAMAGE TO ADJACENT PROPERTIES, DAMAGE TO PERSONAL PROPERTY, INJURY TO PERSONS, ETC. CAUSED BY WORK RELATED ACTIVITIES OR NEGLIGENCE.

3. PROVIDE TEMPORARY SHORING AS REQUIRED TO ADEQUATELY SUPPORT AND RETAIN EXISTING MATERIALS AND CONSTRUCTION AFFECTED BY THE WORK. PROTECT THOSE ITEMS, MATERIALS & FINISHES TO REMAIN. REMOVE ONLY THOSE ITEMS AND MATERIALS NECESSARY TO ACCOMMODATE THE WORK WITH CLEAN, UNIFORM CUTS. FILL AND PATCH REMAINING CONSTRUCTION AS REQUIRED WITH MATERIALS MATCHING THE ADJACENT MATERIALS IN KIND, STRENGTH, AND APPEARANCE SO AS TO FINISH UNIFORMLY WITHOUT TELEGRAPHING DIFFERENCES BETWEEN THE PATCHES AND THE ADJACENT CONSTRUCTION. REPAIR OR REPLACE ANY ITEMS, MATERIALS OR FINISHES DAMAGED BY THE WORK AT NO COST TO THE OWNER.

4. PROVIDE THE ITEMS, PRODUCTS AND FEATURES AS DEPICTED, DESCRIBED AND SPECIFIED ON THE DRAWINGS. IF DISCREPANCIES ARE DISCOVERED ON THE DRAWINGS, NOTIFY THE ARCHITECT BY RFI AND DO NOT PROCEED WITH WORK RELATED TO ITEMS IN QUESTION UNTIL RECEIPT OF SUPPLEMENTAL INSTRUCTIONS FROM THE ARCHITECT. REQUESTS FOR SUBSTITUTIONS MAY BE SUBMITTED TO THE ARCHITECT FOR CONSIDERATION. DO NOT MAKE SUBSTITUTIONS WITHOUT THE APPROVAL OF THE ARCHITECT. WHERE A "BASIS-OF-DESIGN" PRODUCT IS SPECIFIED, A COMPARABLE PRODUCT MAY BE PROVIDED, SUBJECT TO COMPLIANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

5. SUBMIT SHOP DRAWINGS, PRODUCT DATA AND SAMPLES TO THE ARCHITECT AND BCA FOR REVIEW AS REQUIRED BY THE CONTRACT DOCUMENTS. DO NOT PROCEED WITH WORK RELATED TO SUBMITTALS MARKED "REJECTED" OR "REVISE AND RESUBMIT" BY THE ARCHITECT OR THE ARCHITECT'S CONSULTANTS. SUBMITTALS MARKED "APPROVED", "NO EXCEPTION TAKEN" OR "MAKE CORRECTIONS NOTED" DO NOT SUPERSEDE THE NEED TO COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

6. DO NOT SCALE DRAWINGS. THE DIMENSIONS ON THE DRAWINGS GOVERN. WRITTEN NOTES REFERENCING AN ITEM OR FEATURE WITH THE WORD "TYPICAL" (TYP) APPLY TO ALL IDENTICAL ITEMS OR FEATURES INDICATED ELSEWHERE ON THESE DRAWINGS.

7. PROVIDE A FLORIDA PRODUCT APPROVAL ISSUED BY THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION OR A MIAMI-DADE NOTICE OF ACCEPTANCE (NOA) ISSUED BY THE MIAMI-DADE COUNTY GOVERNMENT FOR EACH EXTERIOR COMPONENT AND CLADDING ASSEMBLY CERTIFYING THAT APPROVED TESTING HAS SUFFICIENTLY DEMONSTRATED THAT THE ASSEMBLY AND IT'S COMPONENTS, AS DESIGNED AND MANUFACTURED, WILL WITHSTAND THE WIND LOADS AND WIND-BORNE MISSILE IMPACTS IN COMPLIANCE WITH ALL CODE AND JURISDICTIONAL REQUIREMENTS FOR THE PROJECT LOCATION WHEN INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS INCLUDING INSTRUCTIONS THAT MAY BE PROVIDED WITH THE FLORIDA PRODUCT APPROVAL OR NOA DOCUMENTS. PROVIDE THESE DOCUMENTS AS PART OF THE SUBMITTAL FOR EACH OF THESE ITEMS AND ASSEMBLIES FOR BCA APPROVAL.

8. PROVIDE ALL ITEMS AND FEATURES DEPICTED AND DESCRIBED ON THESE DRAWINGS AND OTHER CONTRACT DOCUMENTS SO THEY ARE PROPERLY PLACED, ALIGNED, PLUMB, SECURED, FINISHED AND FUNCTIONING AS INTENDED. PROVIDE FINISHED WORK THAT MEETS OR EXCEEDS CURRENT INDUSTRY STANDARDS FOR QUALITY AND PERFORMANCE. ARRANGE AND CONDUCT INSPECTIONS OF THE FINISHED WORK WITH THE OWNER, THE ARCHITECT, AND THE AUTHORITY HAVING JURISDICTION. APPROVAL OF THE WORK BY THESE OR ANY OTHER PARTY OR AGENCY DOES NOT SUPERSEDE THE NEED TO COMPLY WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.

9. REMOVE CONSTRUCTION DEBRIS, INCLUDING DEMOLISHED MATERIALS, FROM THE SITE AS REQUIRED TO PREVENT ACCUMULATION. TRANSPORT THESE MATERIALS OFF THE SITE IN A MANNER THAT WILL PREVENT SPILLAGE AND LEGALLY DISPOSE OF THESE MATERIALS AT AN EPA APPROVED DISPOSAL OR RECYCLING FACILITY.

10. KEEP COMPLETE AND LEGIBLE SETS OF CONSTRUCTION DOCUMENTS, ADDENDA, SUPPLEMENTAL INSTRUCTIONS, SUPPLEMENTAL DRAWINGS, MEETING NOTES, ETC. TOGETHER AND READILY AVAILABLE IN AN APPROPRIATE LOCATION ON SITE.

11. CONCEAL CONDUIT, PIPING, ETC. WITHOUT EXCEPTION. PROVIDE ACCESSIBLE JUNCTION BOXES, VALVES, CLEANOUTS, ETC., AS REQUIRED BY CODE.

12. WHERE POSSIBLE AND BEST PRACTICE, ALIGN THE SEAMS AND EDGES OF BREAK METAL AND FLASHING WITH ADJACENT REVEALS, EDGES OF MATERIAL TRANSITIONS, OR WITH BUILDING DESIGN FEATURES. CONSULT WITH ARCHITECT AS REQUIRED.

13. PER OWNER - CONTRACTOR AGREEMENT, PROJECT TO FOLLOW ALL OSHA STANDARDS AND REQUIREMENTS. INCLUDE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION (OSHA) EXCAVATION SAFETY STANDARD 29 C.P.R., SECTION 1926 630 SUBPART P, WHICH ARE INCORPORATED AS THE STATE STANDARD

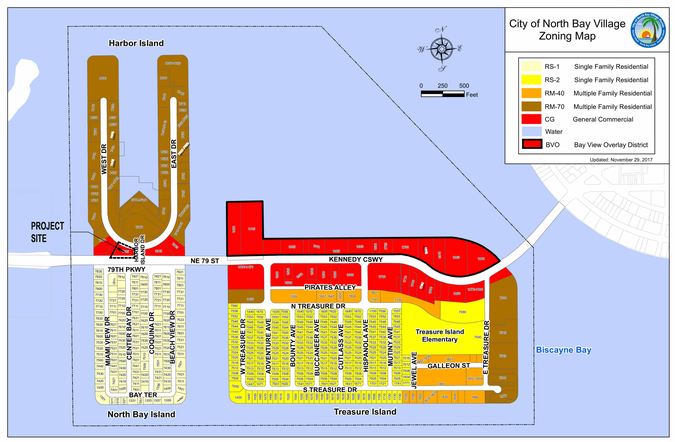
14. ALL CONTRACTORS SHALL INCLUDE IN THEIR BID REFERENCE TO THE TRENCH SAFETY STANDARD, WHERE RELEVANT, AND WRITTEN ASSURANCE THAT THE CONTRACTOR WILL COMPLY WITH CHAPTER 553, PART V TRENCH SAFETY ACT, SECTIONS 553.60 THROUGH 553.64, FLORIDA STATUTES. ALL TRENCH SAFETY SYSTEMS SHALL BE DESIGNED BY THE CONTRACTOR.

15. AT STOREFRONT GLASS OR ANY GLASS WALL, FURNISH AND INSTALL DIAGONAL BRACING ABOVE IN CONCEALED LOCATION (IF EXPOSED, CONFIRM LOCATION SIDE WITH ARCHITECT).

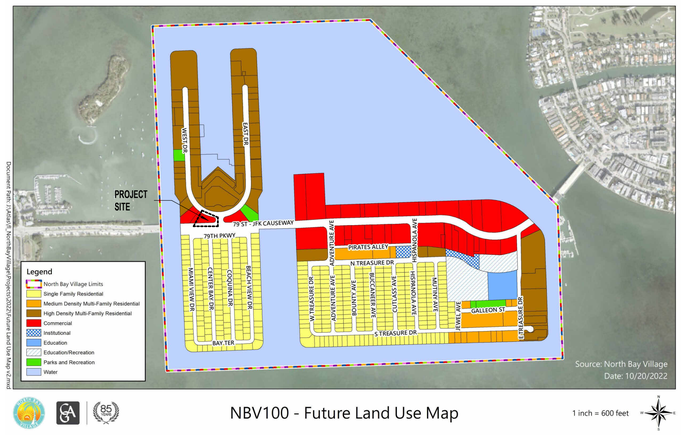
16. REQUESTS FOR SUBSTITUTIONS OF SPECIFIED ITEMS SHALL BE SUBMITTED IN WRITING WITHIN BID PROPOSAL FOR CONSTRUCTION TO THE ARCHITECT, AND WILL BE CONSIDERED ONLY IF THEY PROVIDE BETTER SERVICES, HAVE A MORE ADVANTAGEOUS DELIVERY DATE, OR HAVE A LOWER PRICE PROVIDING A CREDIT TO THE TENANT AND WILL NOT SACRIFICE QUALITY, APPEARANCE OR FUNCTION. UNDER NO CIRCUMSTANCES WILL THE ARCHITECT BE REQUIRED TO PROVE THAT A PRODUCT PROPOSED FOR SUBSTITUTION IS OR IS NOT OF EQUAL QUALITY TO THE SPECIFIED PRODUCT.

17. SHOP DRAWINGS/SUBMITTALS ARE REQUIRED FOR BUT NOT LIMITED TO THE FOLLOWING: MILLWORK, STRUCTURAL/MISCELLANEOUS STEEL, HARDWARE, WOOD AND METAL DOORS, AND EQUIPMENT. SHOP DRAWINGS SHOULD INCLUDE DETAILED FABRICATION AND ERECTION DRAWINGS, SETTING DRAWINGS, AND MATERIAL SCHEDULES. FABRICATION SHALL BEGIN ONLY AFTER ARCHITECT'S REVIEW AND APPROVAL OF SHOP DRAWINGS.

CURRENT ZONING MAP



FUTURE LAND USE MAP



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AA002416 EB 002354

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MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
This item has been digitally signed & sealed by Marcel R. Morlote, R.A. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33141

7/3/2025 3:44:47 PM

Project Number
WJ 2312

DISTRIBUTION
12/11/2024

REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
2	Plan Review	12/20/24
4	Plan Review	06/30/25

DRAWING LEGEND AND BUILDING DATA

G-101

NBV - Index of Drawings

Sheet Number	Sheet Name	PERMIT SET 08/01/2024	REVISION #1 11/08/2024	REVISION #2 12/20/2024	REVISION #3 03/21/2025	REVISION #4 06/30/2025	REVISION #5 08/14/2025	REVISION #6 10/27/2025
01 GENERAL								
G-100	COVER	●				●		
G-101	DRAWING LEGEND AND BUILDING DATA	●	●	●		●		
G-102	SHEET INDEX	●	●	●	●	●	●	●
G-103	CODE ANALYSIS	●	●					●
G-104	ZONING DIAGRAMS	●	●					
G-105	BUILDING AREAS	●						●
G-106	MOUNTING HEIGHTS	●						
G-107	SIGNAGE	●						
G-108	COMMISSIONING REQUIREMENTS		●					
01.1 AIPP								
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AIPP-002	OPT.02 - SCULPTURE					●		
AIPP-003	OPT.03 - BUILDING FACADE					●		
AIPP-004	OPT.04 - BUILDING FACADE ILLUMINATION					●		
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002	TREE SURVEY	●						
003	ROUTE SURVEY	●						
03 LIFE SAFETY								
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B-102	LEVEL 2 - LIFE SAFETY PLAN	●						
B-103	LEVEL 3 - LIFE SAFETY PLAN	●	●					
B-104	LEVEL 4 - LIFE SAFETY PLAN	●	●					
B-105	LEVEL 5 - LIFE SAFETY PLAN					●		
B-106	LEVEL 6 - LIFE SAFETY PLAN	●				●		
04 CIVIL								
C-00	COVER SHEET	●		●				
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C-02	DEMOLITION PLAN	●		●		●	●	
C-03	PAVING GRADING & DRAINAGE PLAN	●		●	●		●	●
C-04	PAVEMENT MARKING PLAN	●		●	●		●	
C-05	STORM PLAN	●		●			●	●
C-06	STORM DRAINAGE DETAILS			●	●		●	
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C-08	WATER & SEWER PROFILES	●		●	●			●
C-09	AUTOTURN -RIGHT-BAY EASTBOUND	●		●				●
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C-13	AUTOTURN -GARAGE ENTRY WESTBOUND	●		●				
C-14	AUTOTURN -GARAGE EXIT WESTBOUND	●		●				
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C-18	STORM WATER POLLUTION PREVENTION PLAN	●		●				
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SP-2	SIGNALIZATION - SUMMARY OF QUANTITIES	●		●				
SP-3	SIGNALIZATION - PLAN	●		●				
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L-101	TREE DISPOSITION NOTES	●		●				
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L-201	LANDSCAPE LEGEND & UPPER FLOOR PLANTING	●				●		
L-202	PLANTING NOTES & DETAILS	●						
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L-301	IRRIGATION NOTES & DETAILS	●		●		●	●	●
06 DEMO								
AD-100	DEMO FLOOR PLAN	●		●				
07 ARCHITECTURAL								
A-001	SITE PLAN	●	●	●	●			●
A-002	ENLARGED SITE PLAN			●				●
A-100	LEVEL 1 - FLOOR PLAN	●	●	●		●		●
A-101	LEVEL 1 - FLOOR PLAN (CONT.)	●				●		●
A-102	LEVEL 2 - FLOOR PLAN	●				●		●
A-103	LEVEL 3 - FLOOR PLAN	●	●	●		●		
A-104	LEVEL 4 - FLOOR PLAN	●		●		●		
A-105	LEVEL 5 - FLOOR PLAN					●		●
A-106	LEVEL 6 - FLOOR PLAN	●				●		
A-107	ROOF PLAN	●		●		●		
A-120	LEVEL 1 - DIMENSION PLAN	●		●		●		
A-121	LEVEL 2 - DIMENSION PLAN	●				●		
A-122	LEVEL 3 - DIMENSION PLAN	●				●		
A-123	LEVEL 4 - DIMENSION PLAN	●				●		
A-124	LEVEL 5 - DIMENSION PLAN					●		
A-125	LEVEL 6 - DIMENSION PLAN	●				●		
A-130	WATERPROOFING DIAGRAMS	●	●	●		●		
A-131	INSULATION DIAGRAMS	●	●			●		
A-132	FLOODPLAIN DETAILS		●					
A-201	LEVEL 1 - RCP	●		●		●		
A-202	LEVEL 2 - RCP	●				●		
A-203	LEVEL 3 - RCP	●						
A-204	LEVEL 4 - RCP	●				●		
A-205	LEVEL 5 - RCP					●		
A-206	LEVEL 6 - RCP	●				●		
A-210	ENLARGED RCP	●				●		
A-211	ENLARGED RCP	●				●		
A-300	EXTERIOR ELEVATIONS (NORTH & WEST)	●				●		
A-301	EXTERIOR ELEVATIONS (NORTH & WEST) WITHOUT CLADDING	●				●		●
A-302	EXTERIOR ELEVATIONS (SOUTH, EAST & SOUTHWEST)	●				●		
A-303	EXTERIOR ELEVATIONS (SOUTH, EAST & SOUTHWEST) WITHOUT CLADDING	●				●		●
A-304	VOID	●				●		
A-305	VOID	●				●		
A-306	VOID	●				●		
A-307	VOID	●				●		
A-310	VOID	●				●		
A-350	BUILDING SECTIONS	●				●		
A-351	BUILDING SECTIONS	●				●		
A-401	ENLARGED LEVEL 01 FLOOR PLAN - VH OPERATIONS	●	●	●		●		
A-402	ENLARGED FLOOR PLANS AND ELEVATIONS	●	●			●		
A-403	ENLARGED FLOOR PLANS AND ELEVATIONS	●	●			●		
A-404	ENLARGED FLOOR PLANS AND ELEVATIONS	●	●	●		●		
A-405	ENLARGED FLOOR PLANS AND ELEVATIONS	●	●			●		
A-406	ENLARGED FLOOR PLANS AND ELEVATIONS	●		●		●		
A-407	ENLARGED FLOOR PLANS AND ELEVATIONS	●	●			●		
A-408	ENLARGED FLOOR PLANS AND ELEVATIONS	●		●		●		
A-500	INTERIOR ELEVATIONS	●	●	●		●		
A-501	INTERIOR ELEVATIONS	●	●	●		●		
A-502	INTERIOR ELEVATIONS	●	●	●		●		
A-503	INTERIOR ELEVATIONS	●	●			●		
A-504	INTERIOR ELEVATIONS	●	●					
A-600	ENLARGED CORE #1 PLANS SECTIONS AND DETAILS	●	●			●		
A-601	ENLARGED CORE #2 PLANS SECTIONS AND DETAILS	●	●			●		
A-602	ENLARGED STAIR #3 PLANS SECTIONS AND DETAILS	●				●		
A-603	ENLARGED EXTERIOR STAIR & RAMPS PLANS AND SECTIONS	●	●	●				●
A-604	STAIR DETAILS	●						
A-701	WALL SECTIONS	●	●			●		

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A-702	WALL SECTIONS	●	●			●		
A-710	MILLWORK SECTIONS - MDFR	●				●		●
A-711	MILLWORK SECTIONS - VH & PD	●	●	●		●		●
A-715	CEILING AND GENERAL DETAILS	●				●		
A-716	GENERAL DETAILS	●						
A-717	BUILDING INTERIOR SIGNS	●						
A-720	ROOFING DETAILS	●				●		
A-721	ROOFING DETAILS	●	●			●		
A-722	ROOFING DETAILS	●		●		●		
A-740	PARKING DETAILS	●						
A-741	PARKING DETAILS	●						
A-742	PARKING & GENERAL DETAILS	●						
A-743	SCREEN FACADE DETAILS	●				●		
A-744	SCREEN FACADE DETAILS					●		●
A-750	BUILDING EXTERIOR SIGNS					●		
A-801	PARTITION TYPES	●						●
A-802	PARTITION TYPES	●						
A-803	PARTITION TYPES	●						
A-809	UL DESIGN	●						
A-810	DOOR SCHEDULES	●	●	●		●		●
A-811	DOOR DETAILS	●						
A-812	DOOR DETAILS	●						
A-820	STOREFRONT ELEVATIONS	●				●		
A-821	STOREFRONT ELEVATIONS					●		
A-822	STOREFRONT ELEVATIONS					●		
A-823	STOREFRONT ENLARGED PLANS AND ELEVATIONS	●				●		
A-900	DEDUCT ALTERNATES	●						
08 INTERIOR								
ID-100	FINISH SCHEDULE AND FINISH MATERIALS	●	●	●		●		
ID-101	LEVEL 1 - FINISH PLAN	●		●				
ID-102	LEVEL 2 - FINISH PLAN	●				●		
ID-103	LEVEL 3 - FINISH PLAN	●						
ID-104	LEVEL 4 - FINISH PLAN	●				●		
ID-105	LEVEL 6 - FINISH PLAN	●				●		
ID-106	FINISH PLANS - ENLARGED	●		●		●		
ID-107	FINISH PLANS - ENLARGED	●				●		
ID-108	FINISH PLANS - ENLARGED	●				●		
ID-109	FINISH PLANS - ENLARGED	●				●		
ID-200	LEVEL 1 - FURNITURE PLAN	●		●		●		
ID-202	VOID	●	●					
ID-203	VOID	●	●					
ID-204	LEVEL 6 - FURNITURE PLAN	●	●	●		●		
ID-300	LEVEL 1 - EQUIPMENT PLAN	●	●	●				
ID-301	LEVEL 2, 3, 4 - EQUIPMENT PLAN	●	●	●				
ID-302	VOID	●	●					
ID-303	VOID	●	●					
ID-304	LEVEL 6 - EQUIPMENT PLAN	●	●	●		●		
ID-400	INTERIOR DETAILS	●				●		
09 STRUCTURAL								
S-101	FOUNDATION AND GROUND FLOOR PLAN	●	●	●		●		●
S-101A	FOUNDATION AND GROUND FLOOR PLAN	●	●			●		
S-102	SECOND FLOOR FRAMING PLAN	●	●	●		●		●
S-103	THIRD FLOOR FRAMING PLAN	●	●	●		●		
S-104	FOURTH FLOOR FRAMING PLAN	●	●	●		●		
S-105	FIFTH FLOOR FRAMING PLAN					●		
S-106	SIXTH FLOOR FRAMING PLAN	●	●			●		
S-107	ROOF FRAMING PLAN	●	●			●		●
S-200	GENERAL STRUCTURAL NOTES	●	●	●				●
S-201	GENERAL STRUCTURAL NOTES CONTINUED	●	●					
S-201A	GENERAL NOTES		●					
S-202	PILE CAP DETAILS AND TYPICAL DETAILS	●	●			●		
S-203	SHEARWALLS PILE CAP PLAN	●	●	●		●		
S-204	SHEARWALLS PILE CAP REINFORCEMENT PLAN	●	●	●				●
S-205	SHEARWALL REINFORCING PLANS	●	●	●		●		
S-206	SHEARWALLS ELEVATION	●	●			●		
S-207	SHEARWALLS ELEVATION	●	●	●		●		
S-208	SHEARWALLS ELEVATION	●	●	●		●		
S-209	SHEARWALLS ELEVATION	●	●	●		●		
S-210	GRAPHICAL COLUMN SCHEDULE	●	●			●		●
S-211	COLUMN BAR ARRAG. SCHEDULES & DETAILS	●	●			●		
S-212	SCHEULES AND DETAILS	●	●			●		●
S-213	TYPICAL DETAILS	●	●					
S-214	TYPICAL DETAILS	●	●					
S-215	POST-TENSIONED NOTES AND DETAILS	●	●					
S-216	POST-TENSIONED DETAILS	●	●					
S-217	TYPICAL, SHEAR REINF'G DETAILS	●	●			●		
S-300	SECTIONS	●	●					●
S-301	SECTIONS	●	●					●
S-302	SECTIONS	●	●			●		
S-303	SECTIONS	●	●			●		
S-304	SECTIONS	●	●					●
S-305	SECTIONS	●	●					●
S-306	SECTIONS	●	●	●				●
S-307	SECTIONS	●	●	●		●		●
10-MECHANICAL								
M101	LEGEND AND NOTES	●				●		
M301A	MECHANICAL FIRST FLOOR PLAN - AREA A	●				●		
M301B	MECHANICAL FIRST FLOOR PLAN - AREA B	●				●		
M302	MECHANICAL SECOND FLOOR PLANS	●				●		
M303	MECHANICAL THIRD FLOOR PLAN	●				●		
M304	MECHANICAL FOURTH FLOOR PLAN	●				●		
M305	MECHANICAL FIFTH FLOOR PLAN					●		
M306A	MECHANICAL SIXTH FLOOR PLAN - AREA A	●				●		
M306B	MECHANICAL SIXTH FLOOR PLAN - AREA B	●				●		
M307	MECHANICAL ROOF PLAN	●				●		
M401	MECHANICAL ENLARGED PLANS AND SECTIONS	●				●		●
M501	SCHEDULES	●				●		
M502	SCHEDULES	●				●		●
M801	DETAILS	●				●		
M802	DETAILS	●						
M901	CONTROLS	●				●		
M902	CONTROLS	●				●		
11-PLUMBING								
P101	LEGEND, SCHEDULE AND NOTES	●	●					
P301	FIRST FLOOR PLUMBING PLAN	●	●	●	●			●
P302	SECOND FLOOR PLUMBING PLAN	●						●
P303	THIRD FLOOR PLUMBING PLAN	●						
P304	FOURTH FLOOR PLUMBING PLAN	●						●
P305	FIFTH FLOOR PLUMBING PLAN					●		
P306	SIXTH FLOOR PLUMBING PLAN	●				●		
P307	ROOF - PLUMBING	●				●		
P401	ENLARGED PLUMBING PLANS	●		●				
P402	ENLARGED PLUMBING PLANS	●						
P501	SANITARY RISER DIAGRAM	●	●	●	●			
P502	DOMESTIC WATER RISER DIAGRAM	●		●				●
P503	STORM WATER RISER DIAGRAM	●						
P504	GAS AND CONDENSATE RISER DIAGRAMS	●						●

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P601	PLUMBING DETAILS	●						
P602	PLUMBING DETAILS 2	●	●	●	●			
P603	PLUMBING DETAILS 3	●	●	●				
P604	PLUMBING DETAILS 4	●	●					
12 ELECTRICAL								
E-001	ELECTRICAL LEGEND & NOTES, FIX. SCHEDULE	●	●	●		●		●
E-101	ELECTRICAL SITE PLAN	●		●				●
E-102	ELECTRICAL SITE PHOTOMETRY	●	●					●
E-103	ELECTRICAL CONDUIT ROUTING FIRST LEVEL	●	●					●
E-104	ELECTRICAL CONDUIT ROUTING SIXTH LEVEL	●				●		●
E-201	LEVEL 01 POWER	●		●		●		●
E-202	LEVEL 02 POWER	●				●		●
E-203	LEVEL 03 POWER	●	●	●		●		●
E-204	LEVEL 04 POWER	●				●		●
E-205	LEVEL 05 POWER					●		●
E-206	LEVEL 06 POWER	●	●	●		●		●
E-207	LEVEL 07 ROOF POWER	●	●			●		●
E-208	LEVEL 01 SYSTEMS	●	●	●				●
E-208B	LEVEL 01B SPEED RAMP SYSTEMS	●	●					●
E-209	LEVEL 02 SYSTEMS	●	●					●
E-210	LEVEL 03 SYSTEMS	●	●					●
E-211	LEVEL 04 SYSTEMS	●	●					●
E-212	LEVEL 05 SYSTEMS					●		●
E-213	LEVEL 06 SYSTEMS	●	●	●		●		●
E-301	LEVEL 01 LIGHTING	●	●	●				●
E-301B	LEVEL 01B SPEED- RAMP LIGHTING	●	●					●
E-302	LEVEL 02 LIGHTING	●						●
E-303	LEVEL 03 LIGHTING	●						●
E-304	LEVEL 04 LIGHTING	●						●
E-305	LEVEL 05 LIGHTING							●
E-306	LEVEL 06 LIGHTING	●		●		●		●
E-308	LEVEL 01B SPEED RAMP NORMAL AND EMERGENCY PHOTOMETRY	●						●
E-309	LEVEL 02 NORMAL PHOTOMETRY	●						●
E-310	LEVEL 02 EMERGENCY PHOTOMETRY	●						●
E-311	LEVEL 03 NORMAL PHOTOMETRY	●						●
E-312	LEVEL 03 EMERGENCY PHOTOMETRY	●						●
E-313	LEVEL 04 NORMAL PHOTOMETRY	●						●
E-314	LEVEL 04 EMERGENCY PHOTOMETRY	●						●
E-315	LEVEL 05 NORMAL PHOTOMETRY						●	●
E-316	LEVEL 05 EMERGENCY PHOTOMETRY						●	●
E-401	ENLARGED PLANS -ELEC, IT ROOM	●						●
E-402	ENLARGED PLANS -IT ROOM	●				●		●
E-403	ENLARGED PLANS -ELEC, IT ROOMS	●	●					●
E-404	ENLARGED PLANS -GENERATOR , MECH. ROOM	●	●			●		●
E-405	STAIR ELEVATIONS	●				●		●
E-501	ELECTRICAL RISER	●	●	●		●		●
E-502	FIRE ALARM RISER, GRAL NOTES ,DETAILS	●	●			●		●
E-503	SYSTEMS RISER	●	●			●		●
E-504	SECURITY RISERS	●	●					
E-505	BDA RISER DIAGRAM	●	●			●		●
E-601	ELECTRICAL DETAILS	●	●					●
E-701	PANEL SCHEDULES FIRE STATION	●	●					●
E-702	PANEL SCHEDULES POLICE STATION	●				●		●
E-703	PANEL SCHEDULES VILLAGE HALL	●	●	●		●		●
E-704	PANEL SCHEDULES SHELL SPACE	●				●		●
E-705	PANEL SCHEDULES, EV, ELV, SR, DEP	●				●		●
E-706	EQUIPMENT CONNECTION SCHEDULE	●				●		●
13-FIRE PROTECTION								
FP101	GENERAL NOTES AND SCHEDULES	●						
FP301	FIRST FLOOR FIRE PROTECTION PLAN	●						
FP302	SECOND FLOOR FIRE PROTECTION PLAN	●						
FP302B	LEVEL 2B FIRE PROTECTION	●						
FP303	THIRD FLOOR FIRE PROTECTION PLAN	●						
FP303B	LEVEL 3B - FIRE PROTECTION	●						
FP304	FOURTH FLOOR FIRE PROTECTION PLAN	●						
FP305	FIFTH FLOOR FIRE PROTECTION PLAN					●		
FP306	SIXTH FLOOR FIRE PROTECTION PLAN	●				●		
FP307	ROOF LEVEL FIRE PROTECTION PLAN	●				●		
FP401	ENLARGED FIRE PUMP ROOM PLAN	●						
FP601	FIRE PROTECTION DETAILS	●						
15 FOOD SERVICE								
NO.1	SHEET #1	●						
NO.2	SHEET #2	●						
NO.3	SHEET #3	●						
NO.4	SHEET #4	●						
NO.5	SHEET #5	●						
NO.6	SHEET #6	●						
NO.7	SHEET #7	●						

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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1	Plan Review	11/08/24
2	Plan Review	12/20/24
3	Plan Review	03/21/25
4	Plan Review	06/30/25
6	Plan Review	10/27/25

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TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

BUILDING, ZONING AND LIFE SAFETY CODE ANALYSIS

JURISDICTION:

NORTH BAY VILLAGE
MIAMI-DADE COUNTY DERM

APPLICABLE CODES AND STANDARDS:

FLORIDA BUILDING CODE - EIGHTH EDITION 2023 (FBC)
FLORIDA FIRE PREVENTION CODE - EIGHTH EDITION 2023 (FFPC)
NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) 101 - LIFE SAFETY CODE 2021 (LSC)

PROJECT SUMMARY:

6 THE PROJECT CONSISTS OF A NEW MIXED-USE NON-SEPARATED FIVE (6) STORY BUILDING TO BE OCCUPIED BY THE MIAMI-DADE FIRE DEPARTMENT ON THE GROUND FLOOR, AND THE NORTH BAY VILLAGE HALL OFFICES AND POLICE DEPARTMENT ON THE SIXTH FLOOR. FLOORS TWO THRU FOUR WILL PRIMARILY BE USED AS A PARKING GARAGE.

BUILDING OCCUPANCY CLASSIFICATION - MULTIPLE MIXED OCCUPANCY:

USE / OCCUPANCY	FBC	FFPC
FIRE STATION	MULTIPLE MIXED OCCUPANCY BUSINESS (OFFICES) RESIDENTIAL GROUP R-1 (SLEEPING ROOMS) STORAGE (APPARATUS BAY)	MULTIPLE MIXED OCCUPANCY BUSINESS (OFFICES) LODGING OR ROOMING HOUSES (SLEEPING ROOMS) CHAPTER 26 STORAGE (APPARATUS BAY)
COMMISSION CHAMBERS	ASSEMBLY GROUP A-3 (SECTION 303.4)	ASSEMBLY (CHAPTER 12)
VILLAGE HALL OFFICES POLICE DEPARTMENT	BUSINESS GROUP B (SECTION 304.1)	BUSINESS (CHAPTER 38)
PARKING GARAGE	STORAGE GROUP S-2 (SECTION 311.3)	STORAGE PARKING STRUCTURE ORDINARY HAZARD (CHAPTER 42.8)

FIRE AND SMOKE SEPARATION REQUIREMENTS (BASED ON FULLY AUTOMATIC SPRINKLERED BUILDINGS):

2 HOUR OCCUPANCY SEPARATION BETWEEN STORAGE (PARKING GARAGE) AND BUSINESS (FFPC SECTION 38.1.3.2.1).
2 HOUR OCCUPANCY SEPARATION BETWEEN STORAGE AND LODGING (FFPC TABLE 6.1.14.4.1(A).
2 HOUR REQUIRED FOR SHAFTS (ELEVATORS, STAIRS, HVAC) FBC SECTIONS 713 AND 1023.
SMOKE PARTITIONS REQUIRED AT ALL SLEEPING ROOMS (FFPC 26.3.5.1)

TYPE OF CONSTRUCTION:

MINIMUM REQUIRED: TYPE IB - FBC TABLE 601.
MAXIMUM HEIGHT ALLOWED: 180 FEET - FBC TABLE 504.3A
MAXIMUM NUMBER OF STORIES ALLOWED: 12 STORIES - FBC TABLE 504.4.
MAXIMUM AREA ALLOWED (PER FLOOR): 79,000SF FOR S-2; UNLIMITED FOR ALL OTHER OCCUPANCIES - FBC TABLE 506.2.

BUILDING COMPONENT (FBC TABLE 601)	TYPE IB
EXTERIOR BEARING WALLS	2 HR.
INTERIOR BEARING WALLS	2 HR.
PRIMARY STRUCTURAL FRAME (COLUMNS AND BEAMS)	2 HR.
FLOORS	2 HR.
ROOFS AND ROOF ASSEMBLIES	1 HR.

EXTERIOR WALLS (HORIZONTAL DISTANCE FROM COMMON PROPERTY LINE)		FBC REFERENCE
0' TO 4'-11" 5' TO 9'-11" 10' TO 29'-11" 30' AND OVER	1 HR. 1 HR. 1 HR. 0 HR.	TABLE 602

MAXIMUM AREA OF EXTERIOR WALL OPENINGS (TO INTERIOR PROPERTY LINE OR CENTER LINE OF A STREET, ALLEY, OR PUBLIC WAY)	UNPROTECTED, SPRINK.	PROTECTED	
0' TO 2'-11"	NOT ALLOWED	NOT ALLOWED	TABLE 705.8
3'-0" TO 4'-11"	15%	15%	
5'-0" TO 9'-11"	25"	25"	
10'-0" TO 14'-11"	45%	45%	
15'-0" TO 19'-11"	75%	75%	
20'-0" TO 24'-11"	NO LIMIT	NO LIMIT	
25'-0" TO 29'-11"	NO LIMIT	NO LIMIT	
30'-0" AND GREATER	NO LIMIT	NO LIMIT	

MINIMUM INTERIOR WALLS AND CEILING FINISHES (FBC TABLE 803.11 - NFPA 101 12.3.3:

CLASS "A" SPRINKLERED AT VERTICAL EXIT STAIRWAYS.
CLASS "B" SPRINKLERED FOR CORRIDORS AND LOBBIES.
CLASS "C" FOR ASSEMBLY AREAS HAVING OCCUPANT LOADS OF 300 OR FEWER.

MINIMUM INTERIOR FLOOR FINISHES (FBC TABLE 804.2 - NFPA 101 12.3.3:

CLASS "II" FOR EXITS, CORRIDORS, AND OTHER SPACES.

MEANS OF EGRESS:

OCCUPANT LOAD FACTORS USED - FBC - TABLE 1004.1.1 AND F.F.P.C. - TABLE 7.3.1.2

USE	LOAD FACTOR	AREA DESCRIPTION
ASSEMBLY	REFER TO 6TH FL CALCS	COMMISSION CHAMBERS
BUSINESS	150 GROSS	OFFICES
BUSINESS COLLABORATION ROOMS	30 GROSS	CONFERENCE ROOMS < 451 SF
ACCESSORY	300 GROSS	STORAGE, MECHANICAL ROOMS
EXERCISE ROOMS / LOCKER ROOMS	50 GROSS	FITNESS CENTER
PARKING GARAGE	200 GROSS	PARKING GARAGE
RESIDENTIAL	200 GROSS	FIRE STATION

REFER TO LIFE SAFETY FLOORPLANS FOR OCCUPANT LOAD CALCULATIONS.

MAXIMUM ALLOWABLE TRAVEL DISTANCES BASED ON OCCUPANCY ARE AS FOLLOWS:

	MAX. TRAVEL DISTANCE (FT.):	COMMON PATH OF TRAVEL (FT.):	DEAD-END CORRIDOR (FT.)
BUSINESS	300 (FFPC 38.2.6.3)	100 (FBC TABLE 1006.2.1; FFPC 38.2.5.3.1)	50 (FFPC 38.2.5.2.1)
ASSEMBLY	250 (FFPC 12.2.6.2(1))	20' GREATER THAN 50 PERSONS (FFPC 12.2.5.1.2) 75' 50 PERSONS OR LESS (FFPC 12.2.5.1.2)	20 (FFPC 12.2.5.1.3)
PARKING GARAGE	200 (FFPC TABLE 42.8.2.6.1)	50 (FFPC 42.8.2.5.1)	50 (FFPC 42.8.2.5.2)

EGRESS WIDTH (FFPC TABLE 7.3.3.1):

EXIT ACCESS CORRIDOR WIDTH (FFPC SECTION 12.2.3.8): 0.2" FOR LEVEL, 0.3" FOR STAIRS, 44" MINIMUM

MINIMUM STAIR WIDTH (FFPC TABLE 7.2.2.2.1): 44" MINIMUM, 7'-6" MINIMUM, 6'-8" PROJECTIONS

EGRESS HEADROOM (FFPC SECTION 7.1.5.1):

MINIMUM NUMBER OF REQUIRED PLUMBING FIXTURES: FBC PLUMB 2023 - TABLE 403.1

- **BUSINESS OCCUPANCY:**
  - WATER CLOSET
    - MALE/ FAMALE: 1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50
  - LAVATORIES
    - MALE/ FEMALE: 1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80
  - DRINKING FOUNTAIN
    - 1 PER 100
  - SERVICE SINK
    - 1 SERVICE SINK
- **ASSEMBLY OCCUPANCY:**
  - WATER CLOSET
    - MALE: 1 PER 125
    - FEMALE: 1 PER 65
  - LAVATORIES
    - MALE/ FEMALE: 1 PER 200
  - DRINKING FOUNTAIN
    - 1 PER 500
  - SERVICE SINK
    - 1 SERVICE SINK
- **RESIDENTIAL OCCUPANCY:**
  - WATER CLOSET
    - MALE/ FAMALE: 1 PER 10
  - LAVATORIES
    - MALE/ FEMALE: 1 PER 10
  - BATHTUBS/ SHOWERS
    - MALE/ FEMALE: 1 PER 8
  - DRINKING FOUNTAIN
    - 1 PER 100
  - SERVICE SINK
    - 1 SERVICE SINK

CLASSIFICATION	WATER CLOSET		LAVATORIES		BATHTUB/SHOWERS		DRINKING FOUNTAIN	SERVICE SINK
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE		
ASSEMBLY								
	1 PER 125	1 PER 65	1 PER 200	1 PER 200			1 PER 500	
6TH FLOOR 214 OC/2= 107 OC	0.856	1.64	0.535	0.535			0.428	1
BUSINESS								
	1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50	1 PER 25 FOR THE FIRST 50 AND 1 PER 50 FOR THE REMAINDER EXCEEDING 50	1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80	1 PER 40 FOR THE FIRST 80 AND 1 PER 80 FOR THE REMAINDER EXCEEDING 80			1 PER 100	
1ST FLOOR 15.2 OC/2=8 OC	1	1	1	1			0.15	1
6TH FLOOR 136 OC/2= 68 OC	2(50) + 1(18) =3(68)	2(50) + 1(18) =3(68)	1(40) + 1(28) =2(68)	1(40) + 1(28) =2(68)			1.36	1
RESIDENTIAL								
	1 PER 10	1 PER 10	1 PER 10	1 PER 10	1 PER 8		1 PER 100	
1ST FLOOR 22 OC/2=11 OC	1.1	1.1	1.1	1.1	2.75		0.22	1
TOTAL FIXTURES PROVIDED								
1ST FLOOR	10 UNISEX= 10 WC		10 UNISEX= 10 LAVS		6		4 DF	2 SS
6TH FLOOR	2 WC + 3 URINAL + 5 UNISEX = 10 WC		2 WC + 3 URINAL + 5 UNISEX = 10 LAVS		6		6 DF	2 SS

NOTES: *BOTTLE FILLER PROVIDED AT ADULT DRINKING FOUNTAIN
*1 URINAL SUBSTITUTED FOR 1WC AT MEN'S RESTROOM

GENERAL NOTES:

FBC 403.1
PLUMBING FIXTURES SHALL BE PROVIDED IN THE MINIMUM NUMBER AS SHOWN IN TABLE 403.1, BASED ON THE ACTUAL USE OF THE BUILDING OR SPACE. THE NUMBER OF OCCUPANTS SHALL BE DETERMINED BY THE FLORIDA BUILDING CODE, BUILDING.

FBC 403.3
THE REQUIRED TOILET FACILITIES SHALL BE LOCATED NOT MORE THAN ONE-STORY ABOVE OR BELOW THE SPACE REQUIRED TO BE PROVIDED WITH TOILET FACILITIES.

FBC 403.1.1
FOR CALCULATIONS INVOLVING MULTIPLE OCCUPANCIES, SUCH FRACTIONAL NUMBERS FOR EACH OCCUPANCY SHALL FIRST BE SUMMED AND THEN ROUNDED UP TO THE NEXT WHOLE NUMBER.

FBC 410.4
WHERE THREE OR MORE DRINKING FOUNTAINS ARE REQUIRED, WATER DISPENSERS SHALL BE PERMITTED TO BE SUBSTITUTED FOR NOT MORE THAN 50 PERCENT OF THE REQUIRED NUMBER OF DRINKING FOUNTAINS.

NBV-MUNICODE DIVISION 5 - GREEN BUILDING PROGRAM

8.33 – GREEN BUILDING DEVELOPMENT OPTIONS AND POINTS.

Based on Section 8.32, Commercial and Office projects shall achieve a minimum of 20 points.
This development plans to achieve a minimum of 20 points via 1 or more options listed below:

a. Green Design Option			
Option	Possible Points	Description	Proposed Points
Electric Vehicle Charging Station(s)	2+	All other (Besides SFH) project types: 2 points for each station installed above the baseline number required pursuant to § 8.23.A and B.	Per § 8.21 Total EVC required = 6 Total Proposed = 21 Total Points = (15 x 2) = 30
White roof (also known as cool roof)	4	The entire roof surface must be covered in white/reflective covering and provide an initial and 3- year-aged, LEED standardized Solar Reflectance Index (SRI) as follows: - Low-sloped roofs with a slope less than or equal to 2:12: initial SRI of 82 and 3-year aged SRI of 64 Steep-sloped roofs with a slope greater than 2:12: initial SRI of 39 and 3-year aged SRI of 32	Initial SRI 82 and 3-year aged SRI of 64 4
Energy star rating for all appliances/equipment	4	all appliances/equipment associated with the building are Energy Star rated	TBD
FGBC Gold Certification	16	Obtain FGBC gold certification	TBD
Total	**26**		**32**

ZONING DATA : NBV MUNICODE CHAPTER 15 - FORM-BASED CODE

§ 15.7.B Summary Table and Illustrations—T6-24MU.

T6-24 SUMMARY TABLE

1. *Building disposition.*

i. *Lot occupation.*	Allowed/Required		Proposed / Provided
a. Lot Area	10,000 sf min.		32,938 sf (**0.75 acres**)
b. Lot Width	100 ft. min.		Up to 383 ft
c. Lot Coverage	90% max.	= 29,645 sf	**24,159 (73%)**
d. Floor Lot Ratio	13.0	= 428,194 sf	**129,645 SF = 3.93 FLR**
e. Frontage at Front Setback	@Kennedy Cswy +/-318 ft	223 ft. 70% min	**201 ft.**
	@Harbor Island Dr. +/-52 ft	48 ft. 70% min	**63% via Exemption** **37 ft** @ Level 1 (**56% via Exemption**) **56 ft** @ Levels 2-6 (83%)
f. Open Space Requirement	10% Lot Area min.	= 3,294 sf	4,909 sf (15%)
g. Density with Bonus (1)	120 du/acre (see also Sec. 15.2.H)	90 du	N/A
h. Density with Bonus (2)	150 du/acre (see also Sec. 15.2.H)	112 du	
ii. *Building setback.*			
a. Primary Front Kennedy Cswy.	20 ft.		1 ft – 4 in (16") Refer Exemption #1a
b. Secondary Front/Side A Harbor Island Dr	10 ft. min.		**34 ft** @ Level 1 **27 ft - 3 in** @ Levels 2-6
c. Side B Bayshore Yacht & Tennis Club Condo	0 ft. min.		**7 ft - 4 in**
d. Rear West Dr. / Larry Paskow Way	5 ft. min.		**5 ft - 8in min.** Rear concave Property Line allows: up to **27 ft** on northwest up to **11 ft - 4in** on northeast
e. Stepback 1 (All Sides)	10 ft. min. above 5th story		Request waiver or exemption
f. Stepback 2 (All Sides)	Additional 5 ft. min. above 15th story		n/a

2. *Building configuration.*

i. *Frontage.*		
h. Arcade	Prohibited	**Varies between 14ft to 20ft** Refer to requested exemption via Resolution
ii. *Building height.*		
a. Min. Building Height	2 stories	
b. Max. Pedestal Height	5 stories	**6 stories**
c. Max. Building Height	24 stories or 240 feet	**82'-8" (Roof level)**

BUILDING FUNCTION (USES) AND PARKING REQUIREMENTS PER SEC.15.7.A TABLE T6

PARKING REQUIREMENT MATRIX PER SEC.15.7.A TABLE T6:

Use	AREA (net SF)/ CAPACITY	RATIO	REQUIRED (PS)	Proposed / Provided
a. Common to all Uses				
• Electric Vehicle (EV) charging stations (220V) per **Sec. 8.35(B):** All new and substantial redevelopment of commercial, office, hotel and civic uses shall install electric vehicle-charging station(s) with the project at the rate of five percent of the total number of required parking spaces. If five percent calculates to a fractional number, that fractional number must be rounded up to the next higher whole number.		**(120 Required PS x 5%) = 6 PS**	**6 EV-PS**	**21 EV-PS**
• Bicycle parking and storage per **Sec. 8.36(A)** Nonresidential development shall provide a minimum of 6 secure bicycle parking / storage spaces for each 50,000 sf. of floor area or part thereof		**Proposed Total Floor Area/ 50,000SF * 6** **129,465 GSF/ 50,000SF *6 = 15.5 Bicycle storage**	**16**	**18**
• On-street parking along any frontage shall be counted towards the overall parking requirement.				**3**
• Parking may be provided by ownership or lease offsite within 1,000 feet. if the distance is found to be reasonable by the Village Commission, per Section 9.3.D.				**n/a**
• Parking requirement may be reduced according to the Shared Parking Standards, Section15.6.C and Section15.6.D.				**n/a**
• Parking ratio may be reduced by thirty percent (30%) due to proximity to a Transit Corridor after review and approval by Village Commission.				**n/a**
• Loading Berth Standards – See Section15.6.D.		**Office, Commercial** **(1) 420 sf berth for 25k-50k sf**		**0** **(A loading area within ROW as been requested via exemption)**
d. Office				
(d - Office) Village Hall & Police Department Office uses on Levels 1, 5 & 6 **(The office spaces area excludes the following: balconies, vertical circulation, building support & corridors/ lobbies)**	30,520 NSF	**3 PS for every 1,000 SF**	92	**62**
g. Civic				
Community Facility (NBV - Commission Chambers)	**Up to 65 seats** **Minimum of one parking space for every five seats of assembly uses.**		**13**	**13**
Fire Department – (As per RFP)	**No less than 15 parking spots reserved for the Fire District Station - Exhibit A (Pg.14)**		**15**	**15**
	TOTALS		120	93

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FL. ARCH. REG. NO. 9564
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Project Number
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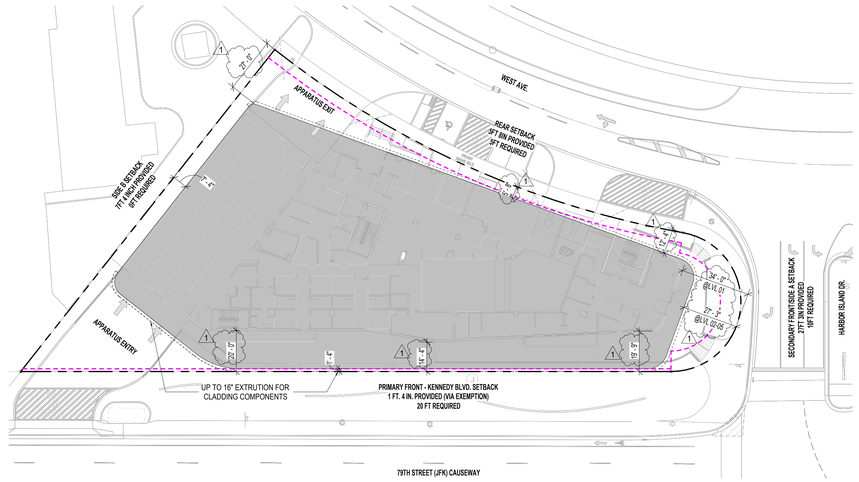
12/11/2024

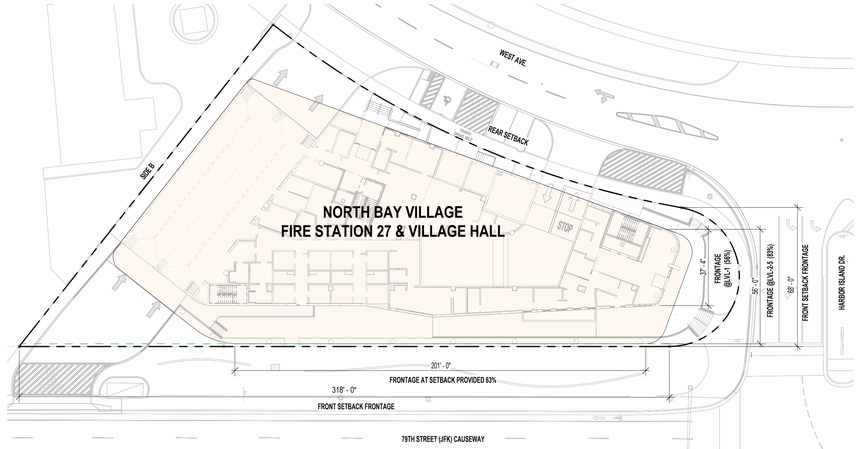
REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
6	Plan Review	10/27/25

CODE ANALYSIS

G-103



4 SETBACK DIAGRAM
1" = 30'-0"



1 FRONTAGE DIAGRAM
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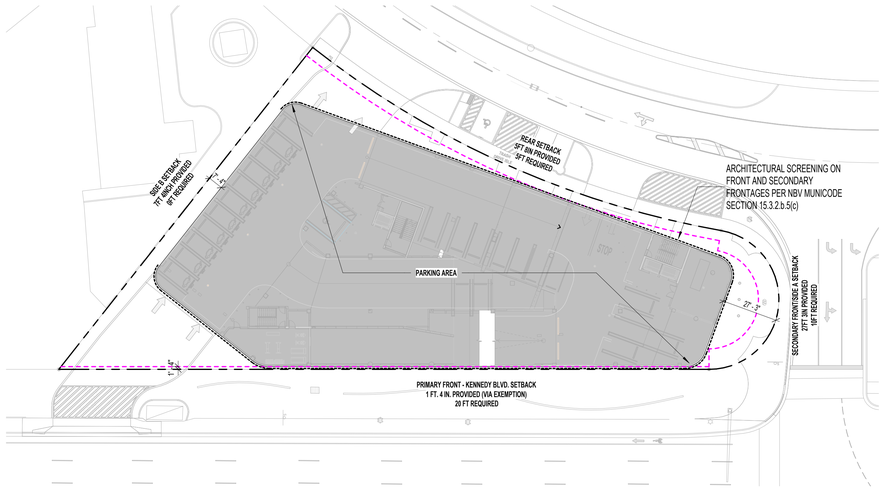

5 PARKING DIAGRAM
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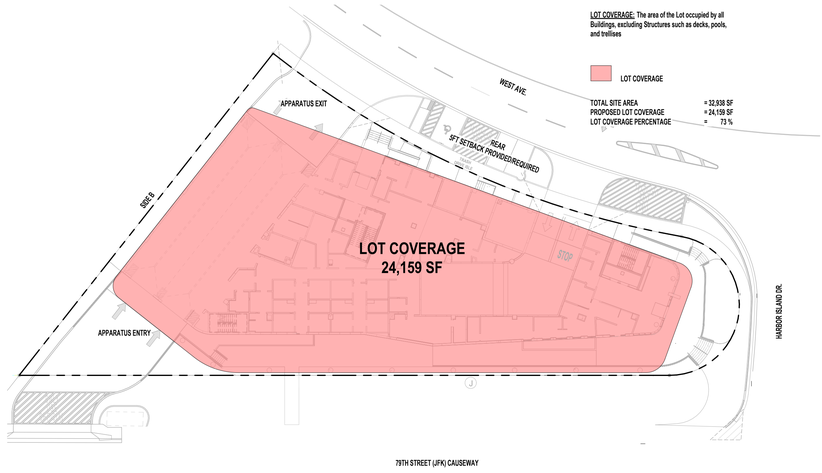

2 LOT COVERAGE DIAGRAM
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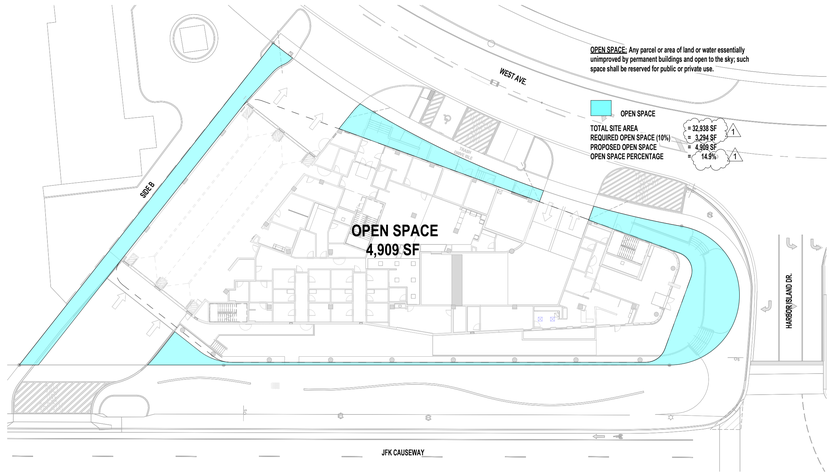

3 OPEN SPACE DIAGRAM
1" = 30'-0"

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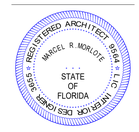

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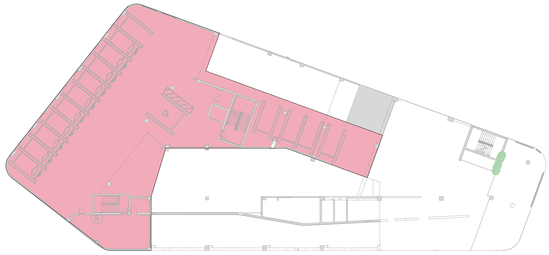
ZONING DIAGRAMS

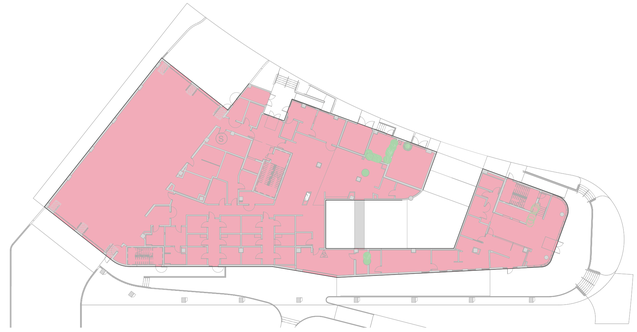
G-104



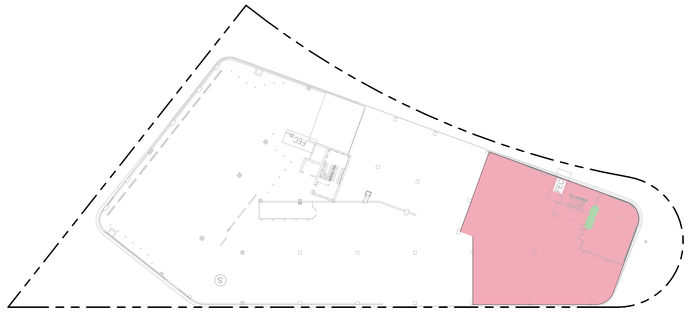
PARKING LEVEL 02
10,690 GSF



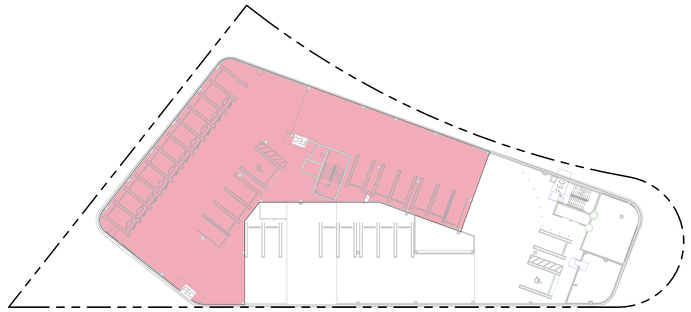
SPEED RAMP
2,372 GSF



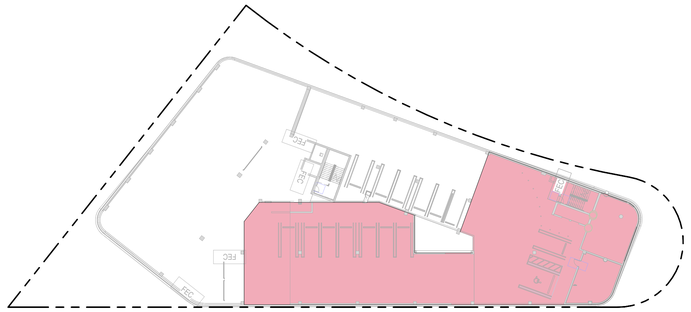
GROUND FLOOR
16,550 GSF



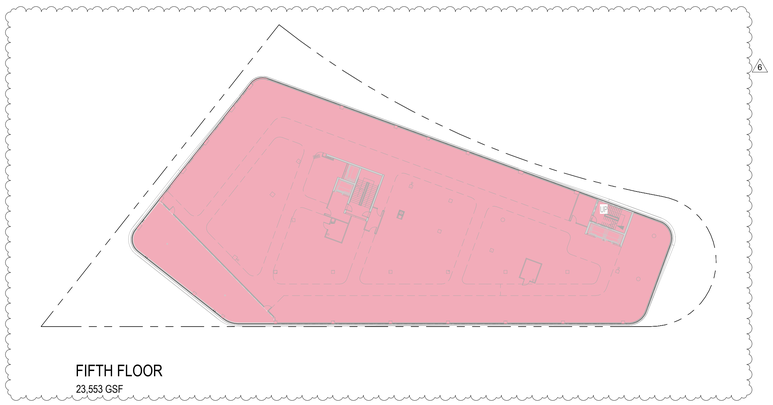
PARKING LEVEL 02B
5,593 GSF



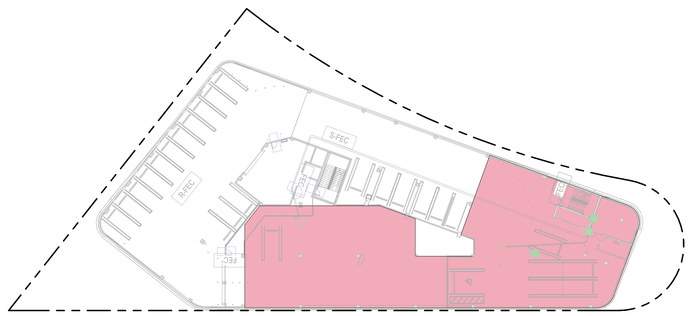
PARKING LEVEL 03
12,703 GSF



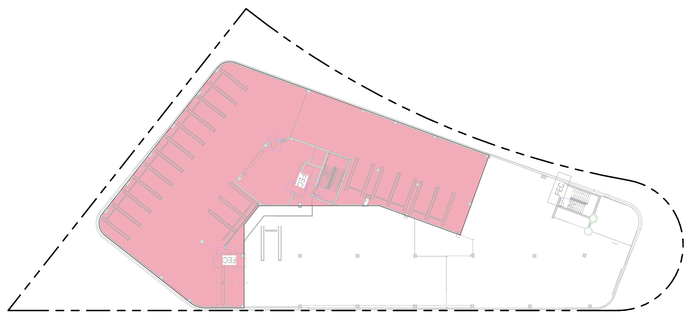
PARKING LEVEL 03B
10,874 GSF



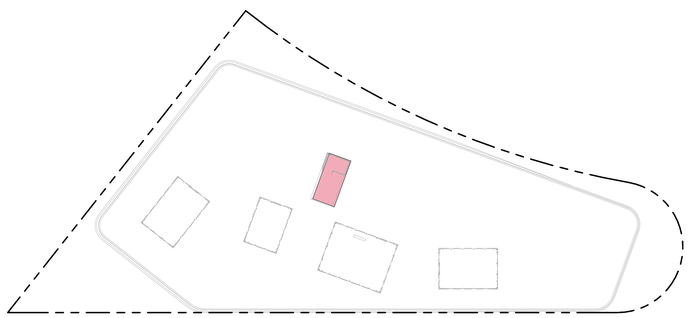
FIFTH FLOOR
23,553 GSF



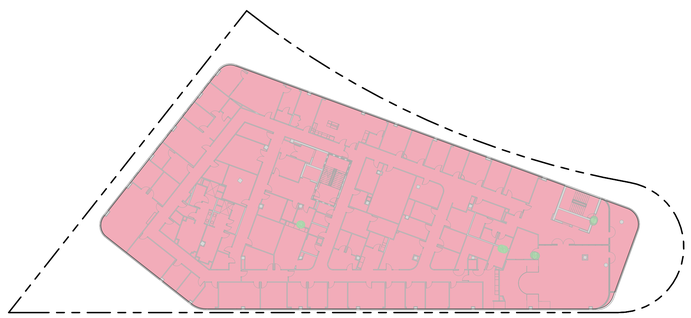
PARKING LEVEL 04B
10,874 GSF



PARKING LEVEL 04
12,703 GSF



ROOF TOP
305 GSF



PD & VH LEVEL
23,553 GSF

BUILDING GROSS AREA TABLE

LEVEL 01	16,550 SF
SPEED RAMP	2,372 SF
LEVEL 02	10,690 SF
LEVEL 02B	5,593 SF
LEVEL 03	12,703 SF
LEVEL 03B	10,874 SF
LEVEL 04	12,703 SF
LEVEL 04B	10,874 SF
LEVEL 05	23,553 SF
LEVEL 06	23,553 SF
	TOTAL: 129,465 SF
LEVEL ROOF	305 SF

FLOOR AREA: THE FLOOR AREA WITHIN THE INSIDE PERIMETER OF THE OUTSIDE WALLS OF THE BUILDING INCLUDING HALLWAYS STAIRS,CLOSETS,THICKNESS OF WALLS, COLUMNS AND OTHER FEATURES, AND PARKING AND LOADING AREAS.

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MARCEL R. MORLOTE
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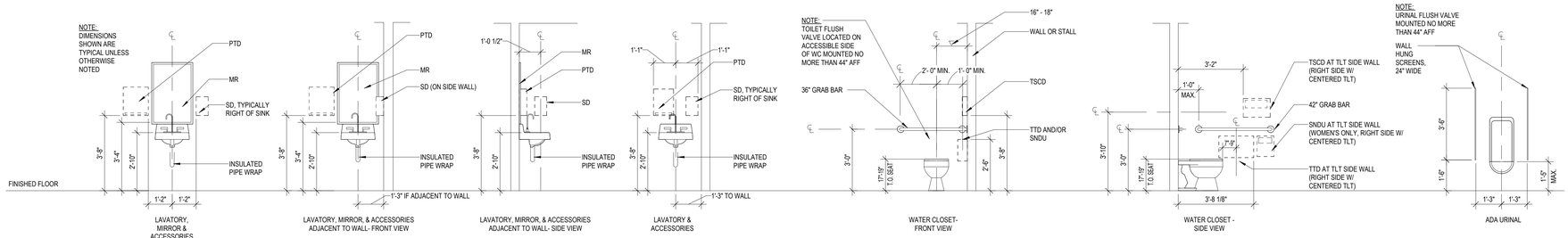
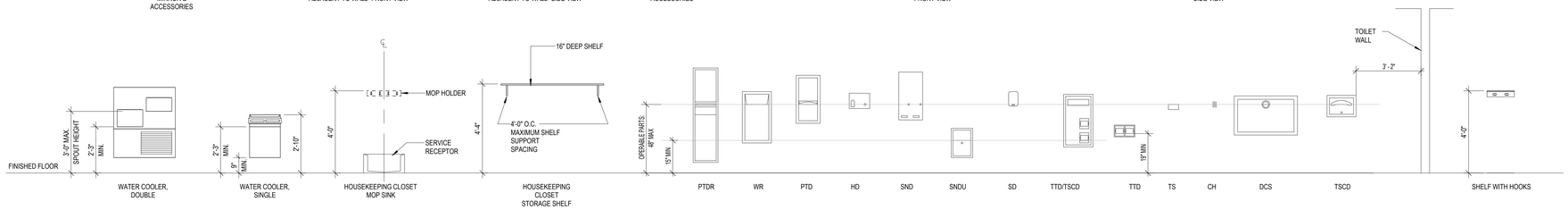
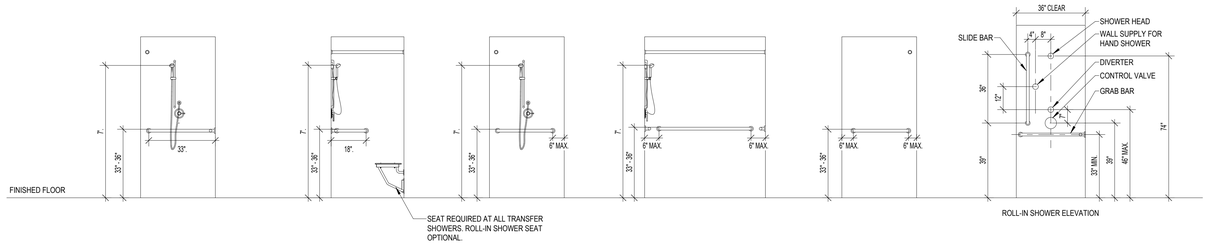
BUILDING AREAS

G-105

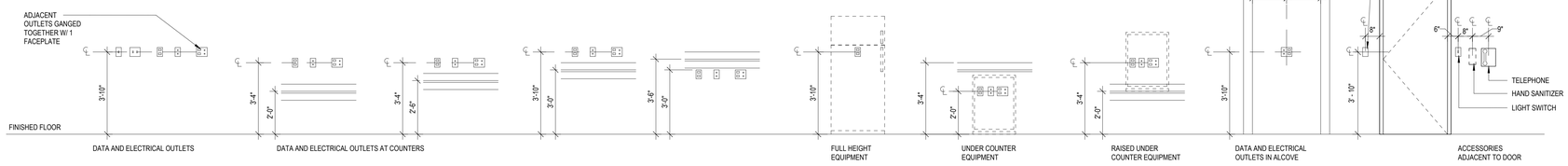
PLUMBING & ACCESSORIES

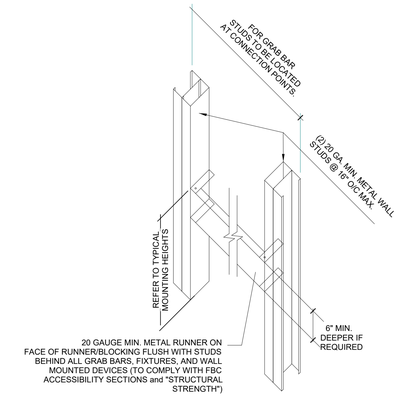






MECHANICAL, ELECTRICAL, COMMUNICATIONS, AND FIRE PROTECTION

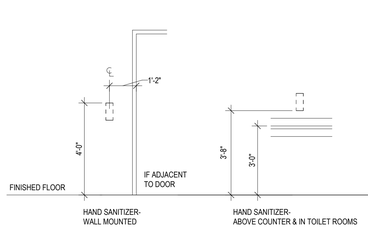




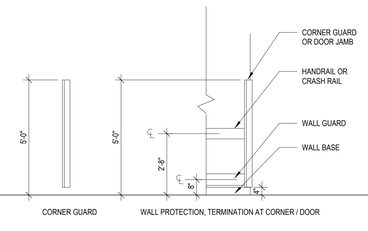
NOTE:
COORDINATE LOCATION OF STUDS WITH LOCATION OF WALL MOUNTED FIXTURES.

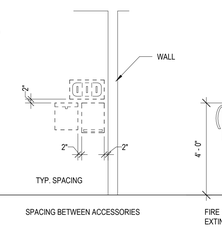
MOUNTING SUPPORT

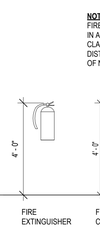
ACCESSORIES

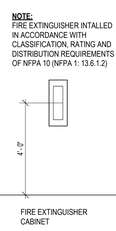


WALL PROTECTION



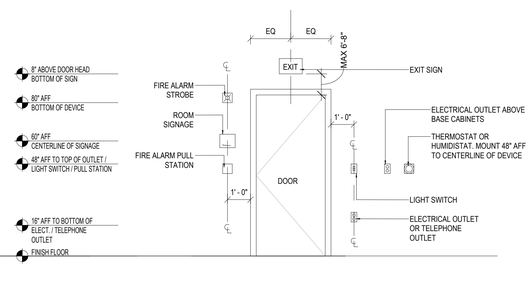






NOTE:
FIRE EXTINGUISHER INTALLED IN ACCORDANCE WITH CLASSIFICATION, RATING AND DISTRIBUTION REQUIREMENTS OF NFPA 10 (NFPA 1: 13.6.1.2)

TYPICAL DEVICE PLACEMENT



SANITARY ACCESSORIES LIST

ABBREVIATIONS DESCRIPTIONS

CH COAT HOOK
DCS DIAPER CHANGING STATION
HD HAND DRYER
PTD PAPER TOWEL DISPENSER
PTDR PAPER TOWEL DISPENSER / WASTE RECEPTACLE
SD SOAP DISPENSER
SND SANITARY NAPKIN DISPENSER
SNDU SANITARY NAPKIN DISPOSAL UNIT
SS SHOWER SEAT
TS TOILETRY SHELF
TTD TOILET TISSUE DISPENSER
TSCD TOILET SEAT COVER DISPENSER
TTD/TSCD TOILET TISSUE DISPENSER / TOILET SEAT COVER DISPENSER
WR WASTE RECEPTACLE
MR MIRROR

NOTE:
ALL FIXTURES AND ACCESSORIES ARE TO BE MOUNTED TO COMPLY WITH FLORIDA PLUMBING, ELECTRICAL, MECHANICAL AND ACCESSIBILITY CODE.

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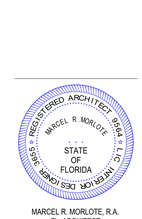

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FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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Project Number
WJ 2312 / WA 22303.0

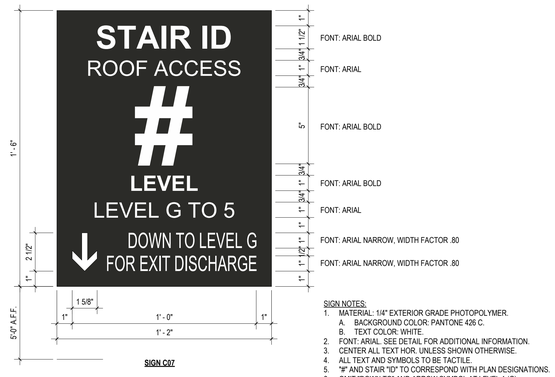
DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE

MOUNTING HEIGHTS

G-106

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

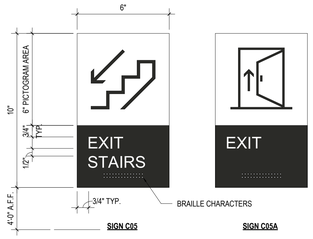


SIGN NOTES:
1. MATERIAL: 1/4" EXTERIOR GRADE PHOTOPOLYMER.
   A. BACKGROUND COLOR: PANTONE 426 C.
   B. TEXT COLOR: WHITE.
2. FONT: ARIAL. SEE DETAIL FOR ADDITIONAL INFORMATION.
3. CENTER ALL TEXT HOR. UNLESS SHOWN OTHERWISE.
4. ALL TEXT AND SYMBOLS TO BE TACTILE.
5. "#" AND STAIR "ID" TO CORRESPOND WITH PLAN DESIGNATIONS.
6. OMIT "DOWN TO" AND ARROW SYMBOL AT LEVEL 1 (G)

SIGN C07

1 SIGN (LANDING)
3" = 1'-0"

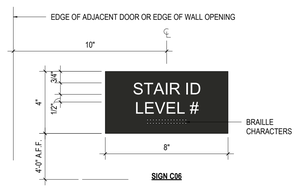
SIGN NOTES:
1. CENTER BRAILLE CHARACTERS HOR. ON SIGN.
2. CENTER SYMBOL HOR. AND VERT. IN PICTOGRAM AREA
3. BACKGROUND COLORS: PANTONE 426 C, WHITE
4. SYMBOL COLOR: PANTONE 426 C
5. TEXT
   A. FONT: ARIAL
   B. COLOR: WHITE
   C. HEIGHT: 3/4"



SIGN C05 SIGN C05A

2 SIGN (EGRESS SIGN)
3" = 1'-0"

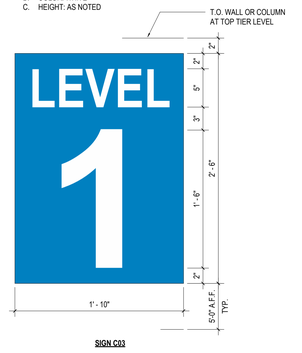
SIGN NOTES:
1. CENTER TACTILE TEXT AND BRAILLE CHARACTERS ON SIGN.
2. STAIR "ID" AND LEVEL "#" TO CORRESPOND WITH PLAN DESIGNATIONS.
3. BACKGROUND COLOR: PANTONE 426 C
4. TEXT
   A. FONT: ARIAL
   B. COLOR: WHITE
   C. HEIGHT: 3/4"



SIGN C06

3 SIGN (PEDESTRIAN)
3" = 1'-0"

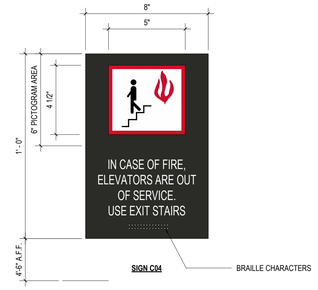
SIGN NOTES:
1. SIGN BE 0.080" THICK ALUMINUM.
2. CENTER ALL TEXT HOR. ON THE SIGN.
3. BACKGROUND COLOR: TO MATCH LEVEL DESIGNATION
4. TEXT
   A. FONT: ARIAL NARROW BOLD
   B. COLOR: WHITE
   C. HEIGHT: AS NOTED



SIGN C03

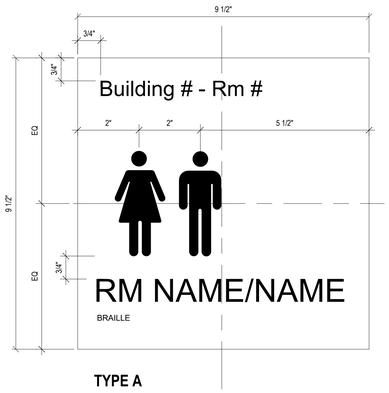
4 SIGN (LEVEL ID)
1 1/2" = 1'-0"

SIGN NOTES:
1. CENTER BRAILLE CHARACTERS HOR. ON SIGN.
2. CENTER SYMBOL HOR. AND VERT. IN PICTOGRAM AREA
3. BACKGROUND COLOR: PANTONE 426 C
4. SYMBOL COLORS: BLACK, WHITE, PANTONE RED 186 C
5. TEXT
   A. FONT: ARIAL NARROW, WIDTH FACTOR .85
   B. COLOR: WHITE
   C. HEIGHT: 5/8"



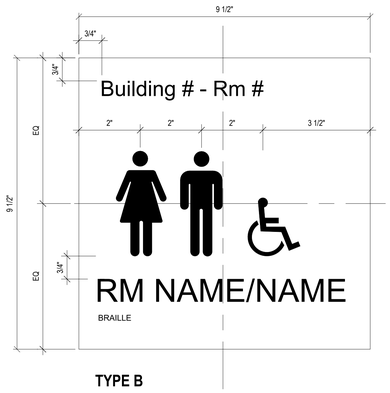
SIGN C04

5 SIGN (IN CASE OF EMERGENCY)
3" = 1'-0"



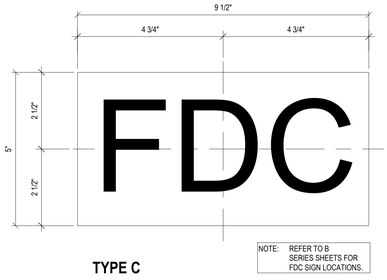
TYPE A

6 RESTROOM SIGN
6" = 1'-0"



TYPE B

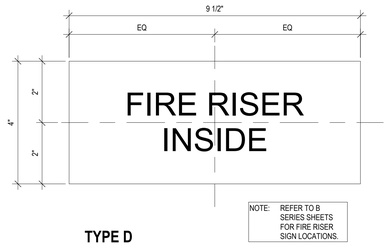
7 RESTROOM SIGN - ADA
6" = 1'-0"



NOTE: REFER TO B SERIES SHEETS FOR FDC SIGN LOCATIONS.

TYPE C

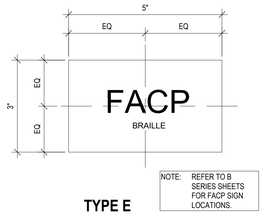
8 FDC SIGN
6" = 1'-0"



NOTE: REFER TO B SERIES SHEETS FOR FIRE RISER SIGN LOCATIONS.

TYPE D

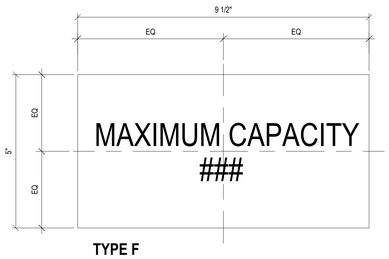
9 FIRE RISER SIGN
6" = 1'-0"



NOTE: REFER TO B SERIES SHEETS FOR FACP SIGN LOCATIONS.

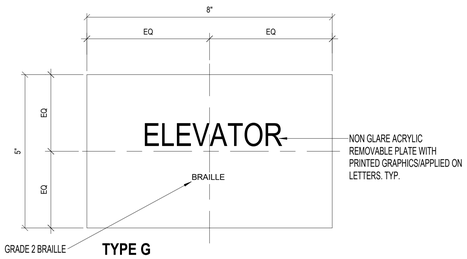
TYPE E

10 FACP SIGN
6" = 1'-0"



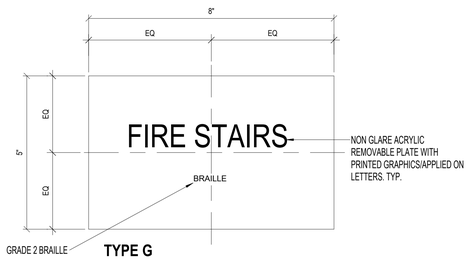
TYPE F

11 OCCUPANT LOAD SIGN
6" = 1'-0"



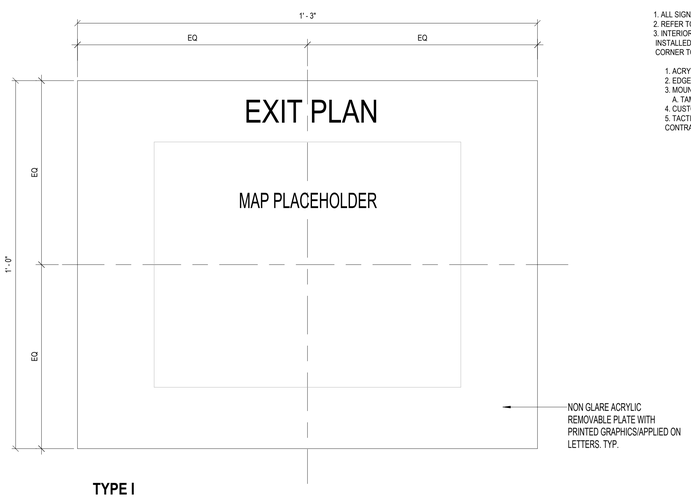
TYPE G

12 ELEVATOR
6" = 1'-0"



TYPE G

13 FIRE STAIRS
6" = 1'-0"



TYPE I

14 EXIT PLAN SIGN
6" = 1'-0"

GENERAL NOTES

1. ALL SIGNAGE TO MEET CURRENT ADA STANDARDS
2. REFER TO G SHEET FOR SIGN HEIGHT AND LOCATIONS, FOLLO ALL APPLICABLE CODES
3. INTERIOR PANEL: PROVIDE SMOOTH SIGN PANEL SURFACES CONSTRUCTED TO REMAIN FLAT UNDER INSTALLED CONDITION WITHIN A TOLERANCE OF PLUS OR MINUS 1/16 INCH MEASURED DIAGONALLY FROM CORNER TO CORNER, COMPLYING WITH THE FOLLOWING REQUIREMENTS:
   1. ACRYLIC SHEET: 0.125 INCH THICK
   2. EDGE CONDITION: SQUARE CUT
   3. MOUNTING: UNFRAMED
      A. TAMPER RESISTENT MECHANICAL FASTENERS
   4. CUSTOM PAINT COLORS: MATCH PANTONE COLOR MATCHING SYSTEM
   5. TACTILE CHARACTERS: CHARACTERS AND GRADE 2 BRAILLE RAISED 1/32 INCH ABOVE SURFACE WITH CONTRASTING COLORS

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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REGISTERED ARCHITECT MARCEL R. MORLOTE 9564 STATE OF FLORIDA

MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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08/01/2024

REV	DESCRIPTION	DATE

SIGNAGE

G-107

COMMISSIONING REQUIREMENTS (FBC-EC_2023, SECTION C408)

THE CONTRACTOR SHALL RETAIN THE SERVICES OF AN INDEPENDENT COMMISSIONING AGENT, AS DEFINED IN FBC - ENERGY CONSERVATION (2023) TO SATISFY THE REQUIREMENTS OF SECTION C408 AS DELINEATED BELOW:

C408.1 GENERAL. THIS SECTION COVERS THE PROVISIONS OF MAINTENANCE INFORMATION, FUNCTIONAL TESTING REQUIREMENTS AND THE COMMISSIONING OF BUILDING SYSTEMS.

C408.1.1 BUILDING OPERATIONS AND MAINTENANCE INFORMATION. THE BUILDING'S OPERATIONS AND MAINTENANCE DOCUMENTS SHALL BE PROVIDED TO THE OWNER AND SHALL CONSIST OF MANUFACTURER'S INFORMATION, SPECIFICATIONS, AND RECOMMENDATIONS, PROGRAMMING PROCEDURES AND DATA POINTS, NARRATIVES, AND OTHER MEANS OF ILLUSTRATING TO THE OWNER HOW THE BUILDING EQUIPMENT AND SYSTEMS ARE INTENDED TO BE INSTALLED, MAINTAINED AND OPERATED. REQUIRED REGULAR MAINTENANCE ACTIONS FOR EQUIPMENT AND SYSTEMS SHALL BE CLEARLY STATED ON A READILY ACCESSIBLE LABEL. THE LABEL SHALL INCLUDE THE TITLE OR PUBLICATION NUMBER FOR THE OPERATION AND MAINTENANCE MANUAL FOR THAT PARTICULAR MODEL AND TYPE OF PRODUCT.

C408.2 MECHANICAL SYSTEMS AND SERVICE WATER-HEATING SYSTEMS COMMISSIONING AND COMPLETION REQUIREMENTS. PRIOR TO THE FINAL MECHANICAL AND PLUMBING INSPECTIONS, THE LICENSED DESIGN PROFESSIONAL, ELECTRICAL ENGINEER, MECHANICAL ENGINEER OR APPROVED AGENCY SHALL PROVIDE EVIDENCE OF MECHANICAL SYSTEMS COMMISSIONING AND COMPLETION IN ACCORDANCE WITH THE PROVISIONS OF THIS SECTION. COPIES OF ALL DOCUMENTATION SHALL BE GIVEN TO THE OWNER OR OWNER'S AUTHORIZED AGENT AND PROVIDED TO THE CODE OFFICIAL IN ACCORDANCE WITH SECTIONS C408.2.4 AND C408.2.5.

C408.2.1 COMMISSIONING PLAN. A COMMISSIONING PLAN SHALL BE DEVELOPED BY A LICENSED DESIGN PROFESSIONAL, ELECTRICAL ENGINEER, MECHANICAL ENGINEER OR APPROVED AGENCY AND SHALL INCLUDE THE FOLLOWING ITEMS:

1. A NARRATIVE DESCRIPTION OF THE ACTIVITIES THAT WILL BE ACCOMPLISHED DURING EACH PHASE OF COMMISSIONING, INCLUDING THE PERSONNEL INTENDED TO ACCOMPLISH EACH OF THE ACTIVITIES.
2. A LISTING OF THE SPECIFIC EQUIPMENT, APPLIANCES OR SYSTEMS TO BE TESTED AND A DESCRIPTION OF THE TESTS TO BE PERFORMED.
3. FUNCTIONS TO BE TESTED INCLUDING, BUT NOT LIMITED TO, CALIBRATION AND ECONOMIZER CONTROLS.
4. CONDITIONS UNDER WHICH THE TEST WILL BE PERFORMED. TESTING SHALL AFFIRM WINTER AND SUMMER DESIGN CONDITIONS AND FULL OUTSIDE AIR CONDITIONS.
5. MEASURABLE CRITERIA FOR PERFORMANCE.

C408.2.2 AIR DISTRIBUTION SYSTEM TESTING, ADJUSTING AND BALANCING. A WRITTEN BALANCE REPORT BE PROVIDED TO THE OWNER FOR HVAC SYSTEMS SERVING ZONES WITH A TOTAL CONDITIONED AREA EXCEEDING 5000 SQUARE FEET. AIR DISTRIBUTION SYSTEMS SHALL BE TESTED, ADJUSTED AND BALANCED BY A LICENSED ENGINEER OR A COMPANY OR INDIVIDUAL HOLDING A CURRENT CERTIFICATION FROM A RECOGNIZED TESTING AND BALANCING AGENCY ORGANIZATION IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING STANDARDS.

C408.2.2.1 AIR SYSTEMS BALANCING. AIR SYSTEM BALANCING SHALL BE ACCOMPLISHED IN A MANNER TO FIRST MINIMIZE THROTTLING LOSSES; THEN FOR FANS WITH FAN SYSTEM POWER GREATER THAN 1 HP, FAN SPEEDS SHALL BE ADJUSTED TO MEET DESIGN FLOW CONDITIONS. BALANCING PROCEDURES SHALL BE IN ACCORDANCE WITH THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB) PROCEDURAL STANDARDS, THE ASSOCIATED AIR BALANCE COUNCIL (AABC) NATIONAL STANDARDS, OR EQUIVALENT PROCEDURES.

EXCEPTION: DAMPER THROTTLING MAY BE USED FOR AIR SYSTEM BALANCING WITH FAN MOTORS OF 1 HP OR LESS, OR IF THROTTLING RESULTS IN NO GREATER THAN 1/3 HP FAN HORSEPOWER DRAW ABOVE THAT REQUIRED IF THE FAN SPEED WERE ADJUSTED.

NOTES:

1. BUILDING ENVELOPE PRESSURIZATION SHOULD BE EITHER NEUTRAL OR POSITIVE TO PREVENT INFILTRATION OF EXCESS LATENT LOAD.

C408.2.3 FUNCTIONAL PERFORMANCE TESTING. FUNCTIONAL PERFORMANCE TESTING SPECIFIED IN SECTIONS C408.2.3.1 THROUGH C408.2.3.3 SHALL BE WITNESSED AND DOCUMENTED BY A LICENSED DESIGN PROFESSIONAL, ELECTRICAL ENGINEER, MECHANICAL ENGINEER OR APPROVED AGENCY. THE REPORTING COMMISSIONING PROFESSIONAL SHALL BE PRESENT FOR ANY FUNCTIONAL PERFORMANCE TEST BEING CONDUCTED.

C408.2.3.1 EQUIPMENT. EQUIPMENT FUNCTIONAL PERFORMANCE TESTING SHALL DEMONSTRATE THE INSTALLATION AND OPERATION OF COMPONENTS, SYSTEMS, AND SYSTEM-TO-SYSTEM INTERFACING RELATIONSHIPS IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS SUCH THAT OPERATION, FUNCTION, AND MAINTENANCE SERVICEABILITY FOR EACH OF THE COMMISSIONED SYSTEMS IS CONFIRMED. TESTING SHALL INCLUDE ALL MODES AND SEQUENCE OF OPERATION, INCLUDING UNDER FULL-LOAD, PART-LOAD AND THE FOLLOWING EMERGENCY CONDITIONS:

1. ALL MODES AS DESCRIBED IN THE SEQUENCE OF OPERATION.
2. REDUNDANT OR AUTOMATIC BACK-UP MODE.
3. PERFORMANCE OF ALARMS.
4. MODE OF OPERATION UPON A LOSS OF POWER AND RESTORATION OF POWER.

EXCEPTION: UNITARY OR PACKAGED HVAC EQUIPMENT LISTED IN TABLES C403.2.3(1) THROUGH C403.2.3(3) THAT DO NOT REQUIRE SUPPLY AIR ECONOMIZERS.

C408.2.3.2 CONTROLS. HVAC AND SERVICE WATER-HEATING CONTROL SYSTEMS SHALL BE TESTED TO DOCUMENT THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS ARE CALIBRATED AND ADJUSTED AND OPERATE IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS. SEQUENCES OF OPERATION SHALL BE FUNCTIONALLY TESTED TO DOCUMENT THEY OPERATE IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS.

C408.2.4 PRELIMINARY COMMISSIONING REPORT. A PRELIMINARY REPORT OF COMMISSIONING TEST PROCEDURES AND RESULTS SHALL BE COMPLETED AND CERTIFIED BY THE LICENSED DESIGN PROFESSIONAL, ELECTRICAL ENGINEER, MECHANICAL ENGINEER OF APPROVED AGENCY AND PROVIDED TO THE BUILDING OWNER. THE REPORT SHALL BE ORGANIZED WITH MECHANICAL AND SERVICE HOT WATER FINDINGS IN SEPARATE SECTIONS TO ALLOW INDEPENDENT REVIEW. THE REPORT SHALL BE IDENTIFIED AS "PRELIMINARY COMMISSIONING REPORT " AND SHALL IDENTIFY:

1. ITEMIZATION OF DEFICIENCIES FOUND DURING TESTING REQUIRED BY THIS SECTION THAT HAVE NOT BEENCORRECTED AT THE TIME OF REPORT PREPARATION.
2. DEFERRED TESTS THAT CANNOT BE PERFORMED AT THE TIME OF REPORT PREPARATION BECAUSE OF CLIMATIC CONDITIONS.
3. CLIMATIC CONDITIONS REQUIRED FOR PERFORMANCE OF THE DEFERRED TESTS.

C408.2.4.1 ACCEPTANCE OF REPORT. BUILDINGS SHALL NOT BE CONSIDERED ACCEPTABLE FOR A FINAL INSPECTION PURSUANT TO SECTION C104.3 UNTIL THE CODE OFFICIAL HAS RECEIVED A LETTER OF TRANSMITTAL FROM THE BUILDING OWNER ACKNOWLEDGING THAT THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT HAS RECEIVED THE PRELIMINARY COMMISSIONING REPORT.

C408.2.5 DOCUMENTATION REQUIREMENTS. THE CONSTRUCTION DOCUMENTS SHALL SPECIFY THAT THE DOCUMENTS DESCRIBED IN THIS SECTION BE PROVIDED TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT WITHIN 90 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

C408.2.5.1 DRAWINGS. CONSTRUCTION DOCUMENTS SHALL INCLUDE THE LOCATION AND PERFORMANCE DATA ON EACH PIECE OF EQUIPMENT.

C408.2.5.2 MANUALS. AN OPERATING AND MAINTENANCE MANUAL SHALL BE PROVIDED AND INCLUDE ALL OF THE FOLLOWING:

1. SUBMITTAL DATA STATING EQUIPMENT SIZE AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
2. MANUFACTURER'S OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE, EXCEPT EQUIPMENT NOT FURNISHED AS PART OF THE PROJECT. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
3. NAME AND ADDRESS OF AT LEAST ONE SERVICE AGENCY.
4. HVAC AND SERVICE HOT WATER CONTROLS SYSTEM MAINTENANCE AND CALIBRATION INFORMATION, INCLUDING WIRING DIAGRAMS, SCHEMATICS AND CONTROL SEQUENCE DESCRIPTIONS. DESIRED OR FIELD DETERMINED SET POINTS SHALL BE PERMANENTLY RECORDED ON CONTROL DRAWINGS AT CONTROL DEVICES OR, FOR DIGITAL CONTROL SYSTEMS, IN SYSTEM PROGRAMMING INSTRUCTIONS.
5. A NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE, INCLUDING RECOMMENDED SETPOINTS.

C408.2.5.3 SYSTEM BALANCING REPORT. A WRITTEN REPORT DESCRIBING THE ACTIVITIES AND MEASUREMENTS COMPLETED IN ACCORDANCE WITH SECTION C408.2.2.

C408.2.5.4 FINAL COMMISSIONING REPORT. A REPORT OF TEST PROCEDURES AND RESULTS IDENTIFIED AS "FINAL COMMISSIONING REPORT " SHALL BE DELIVERED TO THE BUILDING OWNER. THE REPORT SHALL BE ORGANIZED WITH MECHANICAL SYSTEM AND SERVICE HOT WATER SYSTEM FINDINGS IN SEPARATE SECTIONS TO ALLOW INDEPENDENT REVIEW. THE REPORT SHALL INCLUDE THE FOLLOWING:

1. RESULTS OF FUNCTIONAL PERFORMANCE TESTS.
2. DISPOSITION OF DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.
3. FUNCTIONAL PERFORMANCE TEST PROCEDURES USED DURING THE COMMISSIONING PROCESS INCLUDING MEASURABLE CRITERIA FOR TEST ACCEPTANCE, PROVIDED HEREIN FOR REPEATABILITY.

EXCEPTION: DEFERRED TEST THAT CANNOT BE PERFORMED AT THE TIME OF REPORT PREPARATION DUE TO CLIMATIC CONDITIONS.

C408.3 LIGHTING CONTROLS FUNCTIONAL TESTING. AUTOMATIC LIGHTING CONTROLS REQUIRED BY THIS CODE SHALL COMPLY WITH THIS SECTION.

C408.3.1 FUNCTIONAL TESTING. PRIOR TO PASSING FINAL INSPECTION, THE REGISTERED DESIGN PROFESSIONAL SHALL PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. FUNCTIONAL TESTING SHALL BE IN ACCORDANCE WITH SECTIONS C408.3.1.1 THROUGH C408.3.1.3 FOR THE APPLICABLE CONTROL TYPE.

C408.3.1.1 OCCUPANT SENSOR CONTROLS. WHERE OCCUPANT SENSOR CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

1. CERTIFY THAT THE OCCUPANT SENSOR HAS BEEN LOCATED AND AIMED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS.
2. FOR PROJECTS WITH SEVEN OR FEWER OCCUPANT SENSORS, EACH SENSOR SHALL BE TESTED.
3. FOR PROJECTS WITH MORE THAN SEVEN OCCUPANT SENSORS, TESTING SHALL BE DONE FOR EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY. WHERE MULTIPLES OF EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY ARE PROVIDED, NOT LESS THAN 10 PERCENT, BUT IN NO CASE LESS THAN ONE, OF EACH COMBINATION SHALL BE TESTED UNLESS THE CODE OFFICIAL OR DESIGN PROFESSIONAL REQUIRES A HIGHER PERCENTAGE TO BE TESTED. WHERE 30 PERCENT OR MORE TESTED CONTROLS FAIL, ALL REMAINING IDENTICAL COMBINATION SHALL BE TESTED.

FOR OCCUPANT SENSOR CONTROLS TO BE TESTED, VERIFY THE FOLLOWING:

3.1 WHERE OCCUPANT SENSOR CONTROLS INCLUDE STATUS INDICATORS, VERIFY CORRECT OPERATION.
3.2 THE CONTROLLED LIGHTS TURN OFF OR DOWN TO THE PERMITTED LEVEL WITHIN THE REQUIRED TIME.
3.3 FOR AUTO-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON TO THE PERMITTED LEVEL WHEN AN OCCUPANT ENTERS THE SPACE.
3.4 FOR MANUAL-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON ONLY WHEN MANUALLY ACTIVATED.
3.5 THE LIGHTS ARE NOT INCORRECTLY TURNED ON BY MOVEMENT IN ADJACENT AREAS OR BY HVAC OPERATION.

C408.3.1.2 TIME-SWITCH CONTROLS. WHERE TIME-SWITCH CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

1. CONFIRM THAT THE TIME-SWITCH CONTROL IS PROGRAMMED WITH ACCURATE WEEKDAY, WEEKEND AND HOLIDAY SCHEDULES.
2. PROVIDE DOCUMENTATION TO THE OWNER OF TIME-SWITCH CONTROLS PROGRAMMING INCLUDING WEEKDAY, WEEKEND, HOLIDAY SCHEDULES, AND SET-UP AND PREFERENCE PROGRAM SETTINGS.
3. VERIFY THE CORRECT TIME AND DATE IN THE TIME SWITCH.
4. VERIFY THAT ANY BATTERY BACK-UP IS INSTALLED AND ENERGIZED.
5. VERIFY THAT THE OVERRIDE TIME LIMIT IS SET TO NOT MORE THAN 2 HOURS.
6. SIMULATE OCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:
   6.1 ALL LIGHTS CAN BE TURNED ON AND OFF BY THEIR RESPECTIVE AREA CONTROL SWITCH.
   6.2 THE SWITCH ONLY OPERATES LIGHTING IN THE ENCLOSED SPACE IN WHICH THE SWITCH IS LOCATED.
7. SIMULATE UNOCCUPIED CONDITION. VERIFY AND DOCUMENT THE FOLLOWING:
   7.1 NONEXEMPT LIGHTING TURNS OFF.
   7.2 MANUAL OVERRIDE SWITCH ALLOWS ONLY THE LIGHTS IN THE ENCLOSED SPACE WHERE THE OVERRIDE SWITCH IS LOCATED TO TURN ON OR REMAIN ON UNTIL THE NEXT SCHEDULED SHUTOFF OCCURS.
8. ADDITIONAL TESTING AS SPECIFIED BY THE REGISTERED DESIGN PROFESSIONAL.

C408.3.1.3 DAYLIGHT RESPONSIVE CONTROLS. WHERE DAYLIGHT RESPONSIVE CONTROLS ARE PROVIDED, THE FOLLOWING SHALL BE VERIFIED.

1. CONTROL DEVICES HAVE BEEN PROPERLY LOCATED, FIELD CALIBRATED AND SET FOR ACCURATE SETPOINTS AND THRESHOLD LIGHT LEVELS.
2. DAYLIGHT CONTROLLED LIGHTING LOADS ADJUST TO LIGHT LEVEL SET POINTS IN RESPONSE TO AVAILABLE DAYLIGHT.
3. THE LOCATIONS OF CALIBRATION ADJUSTMENT EQUIPMENT ARE READILY ACCESSIBLE ONLY TO AUTHORIZED PERSONNEL.

C408.3.2 DOCUMENTATION REQUIREMENTS. THE CONSTRUCTION DOCUMENTS SHALL SPECIFY THAT THE DOCUMENTS DESCRIBED IN THIS SECTION BE PROVIDED TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT WITHIN 90 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

C408.3.2..1 DRAWINGS. CONSTRUCTION DOCUMENTS SHALL INCLUDE THE LOCATION AND CATALOGUE NUMBER OF EACH PIECE OF EQUIPMENT.

C408.3.2.2 MANUALS. AN OPERATING AND MAINTENANCE MANUAL SHALL BE PROVIDED AND INCLUDE THE FOLLOWING:

1. NAME AND ADDRESS OF NOT LESS THAN ONE SERVICE AGENCY FOR INSTALLED EQUIPMENT.
2. A NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE, INCLUDING RECOMMENDED SETPOINTS.
3. SUBMITTAL DATA INDICATING ALL SELECTED OPTIONS FOR EACH PIECE OF LIGHTING EQUIPMENT AND LIGHTING CONTROLS.
4. OPERATION AND MAINTENANCE MANUALS FOR EACH PIECE OF LIGHTING EQUIPMENT. REQUIRED ROUTINE MAINTENANCE ACTIONS, CLEANING AND RECOMMENDED RELAMPING SHALL BE CLEARLY IDENTIFIED.
5. A SCHEDULE FOR INSPECTING AND RECALIBRATING ALL LIGHTING CONTROLS.

C408.3.2.3 REPORT. A REPORT OF TEST RESULTS SHALL BE PROVIDED AND INCLUDE THE FOLLOWING:

RESULTS OF FUNCTIONAL PERFORMANCE TESTS.
DISPOSITION OF DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.

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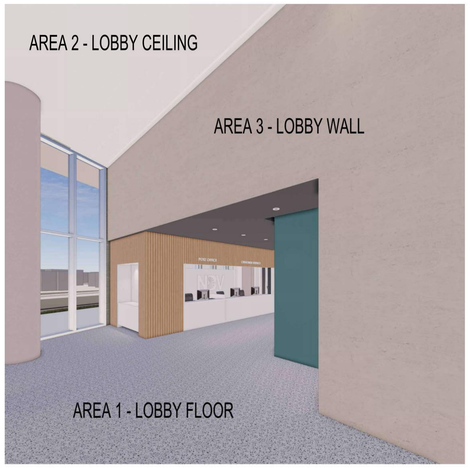
1	Plan Review	11/08/24

1 COMMISSIONING REQUIREMENTS

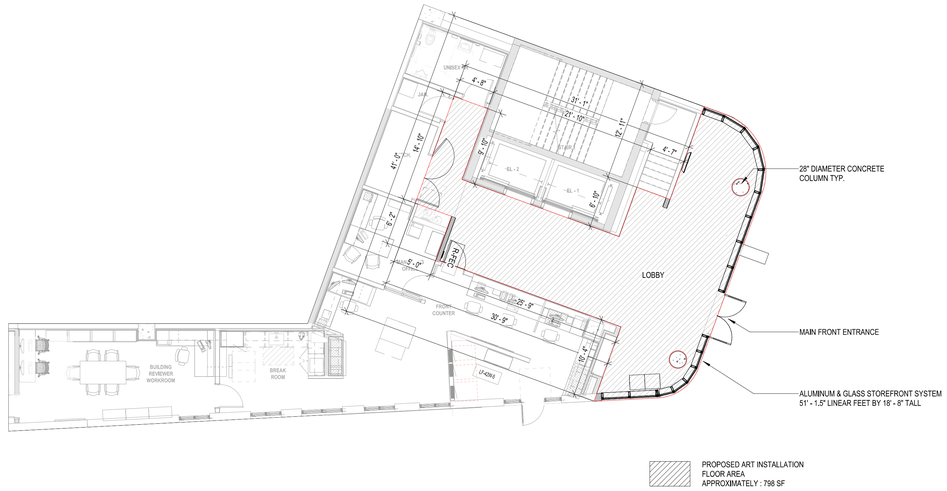
NEW SHEET

G-108

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



1 FIRST FLOOR ENTRY LOBBY INTERIOR PERSPECTIVE

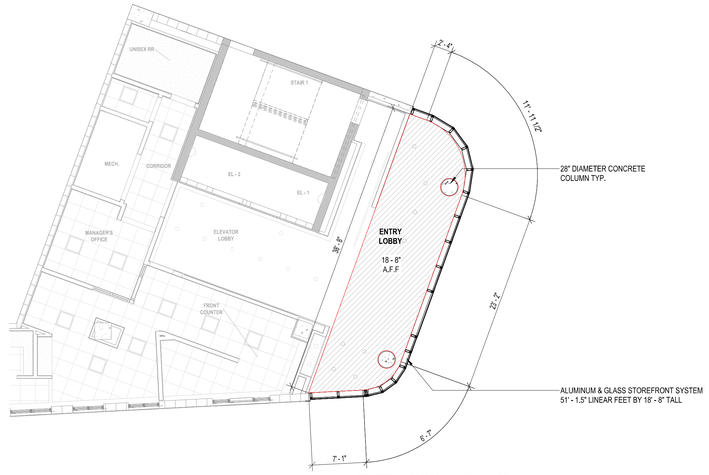


2.1 LOBBY FLOOR
1/8" = 1'-0"

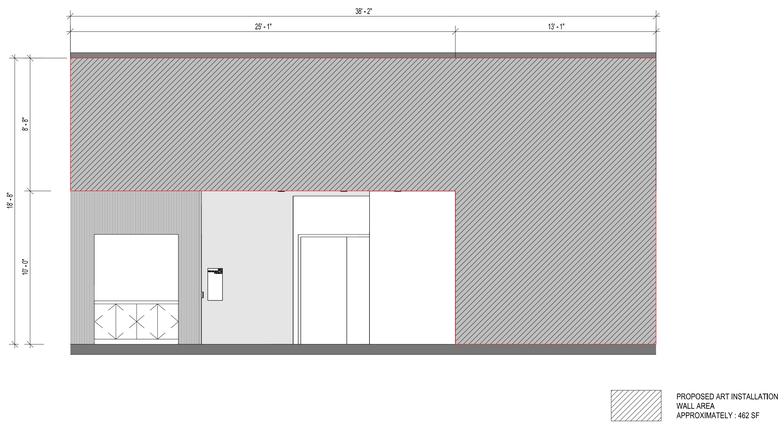
ART IN PUBLIC PLACES (AIPP)

Art in public spaces enhances the cultural, aesthetic, and social value of the built environment. It creates a sense of identity and belonging, encourages public engagement, and contributes to the overall character of a place. Whether integrated into architecture or placed within open areas, public art can reflect community values, celebrate local history, and inspire everyday interactions.

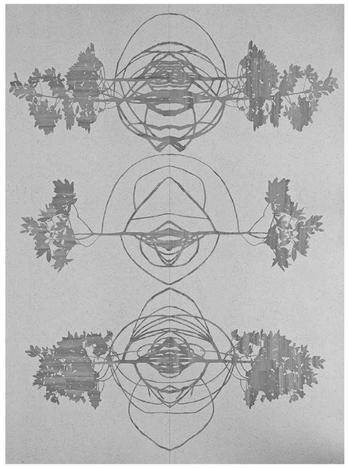
The following sheets highlight potential areas and opportunities where public art can be installed or explored within the project. Included are inspiration images to provide a sense of the range and impact that these installations can achieve.

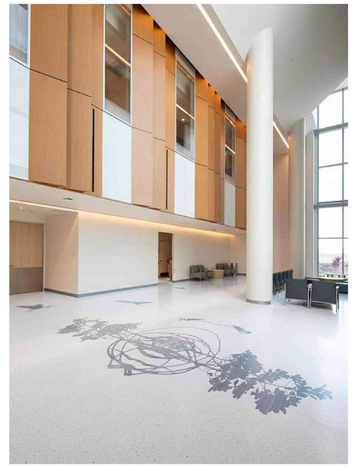


3.1 LOBBY CEILING
1/8" = 1'-0"

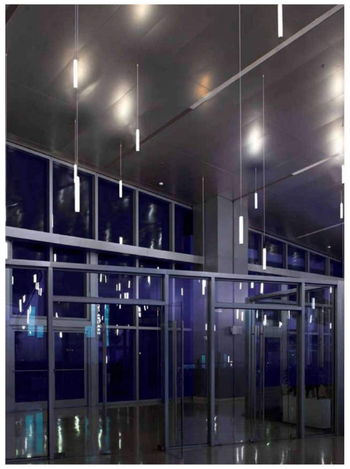


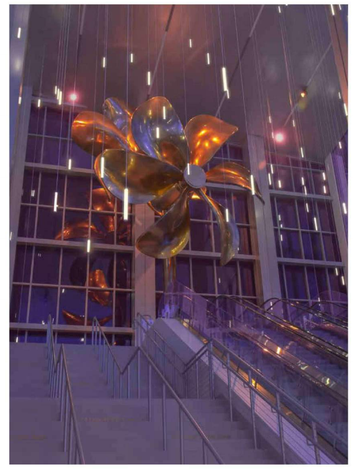
4.1 LOBBY WALL
1/4" = 1'-0"



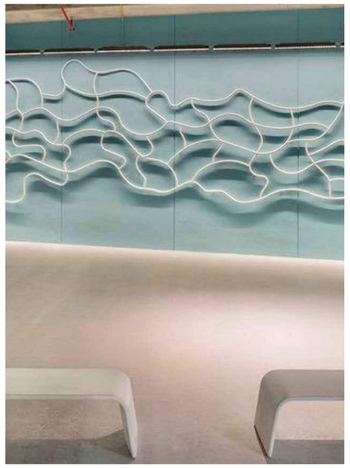


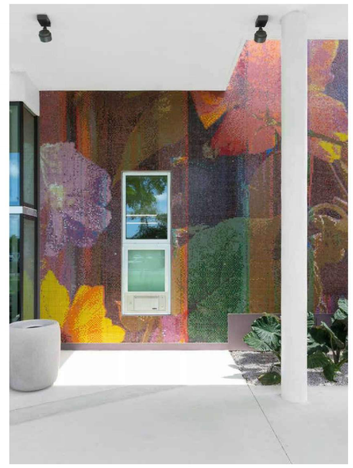
2.2 AIPP FLOOR INSPIRATION IMAGES





3.2 AIPP LIGHT FIXTURE INSPIRATION IMAGES





4.2 AIPP WALL INSPIRATION IMAGES

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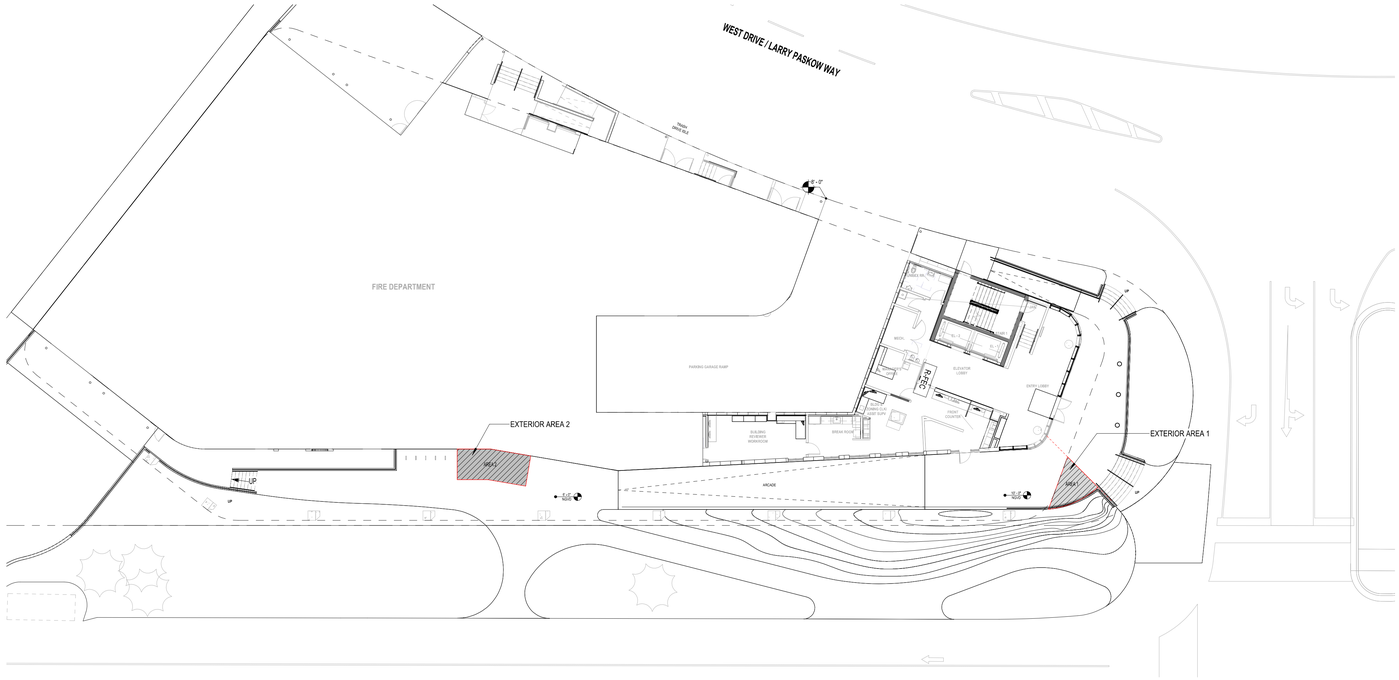
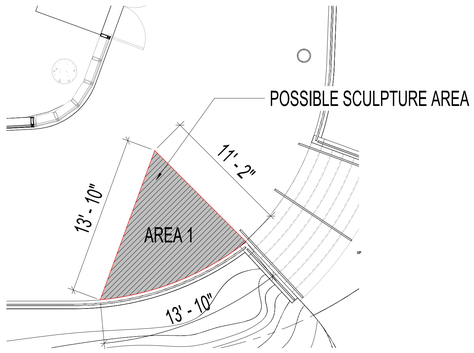
OPT.01 - FIRST FLOOR ENTRY LOBBY
NEW SHEET

AIPP-001

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

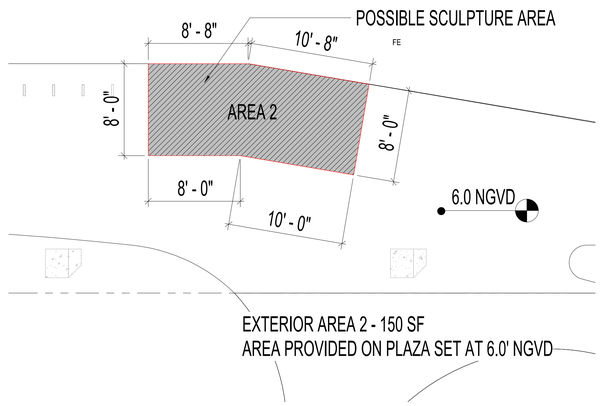


1 GROUND FLOOR - SCULPTURE AREAS
1/16" = 1'-0"



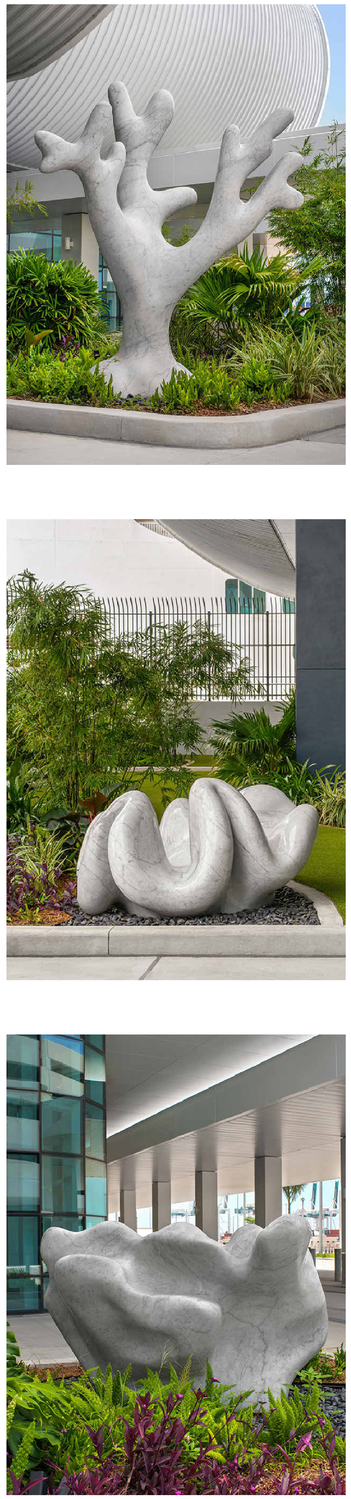
EXTERIOR AREA 1 - 80 SF
AREA PROVIDED ON PLAZA SET AT 10.0' NGVD

2 SCULPTURE AREA 1
3/16" = 1'-0"



EXTERIOR AREA 2 - 150 SF
AREA PROVIDED ON PLAZA SET AT 6.0' NGVD

3 SCULPTURE AREA 2
3/16" = 1'-0"



4 AIPP SCULPTURE INSPIRATION IMAGES

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OPT.02 - SCULPTURE
NEW SHEET
AIPP-002

4

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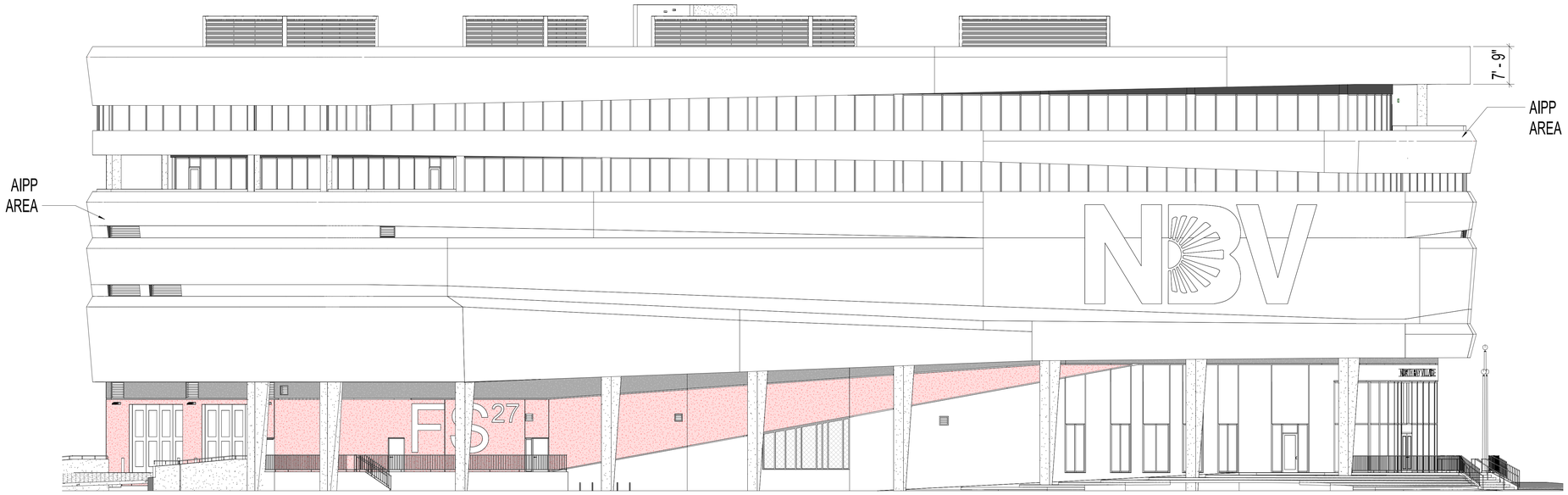
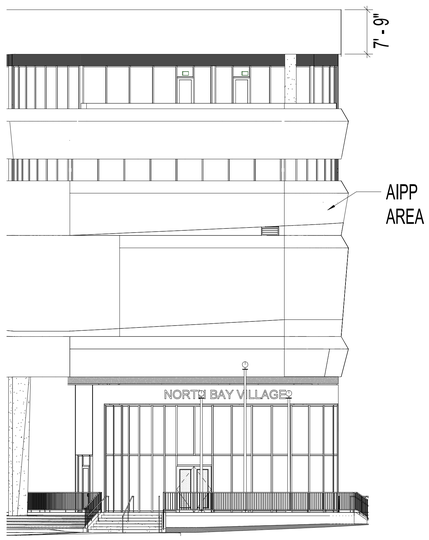
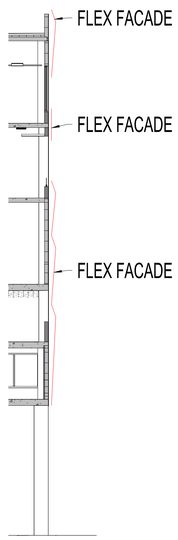


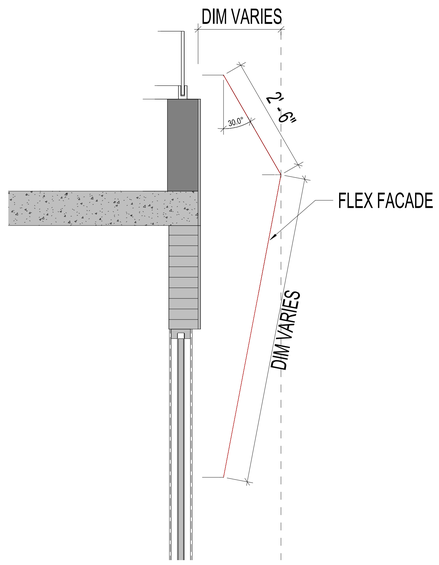
1 CLADDING OPTION - SOUTH ELEVATION
3/32" = 1'-0"



2 CLADDING OPTION - EAST ELEVATION
3/32" = 1'-0"



3 FLEX FACADE SECTION
3/32" = 1'-0"

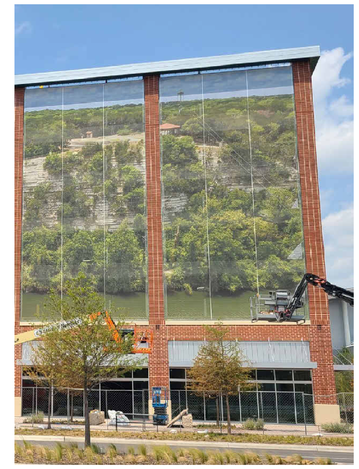


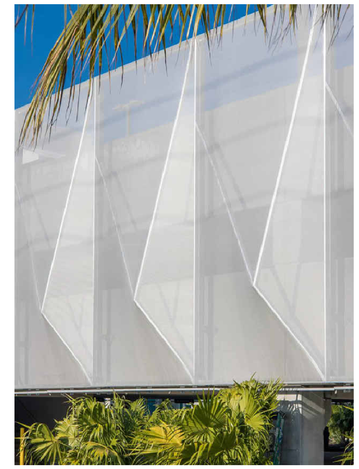
4 FLEX FACADE DIAGRAM
3/4" = 1'-0"

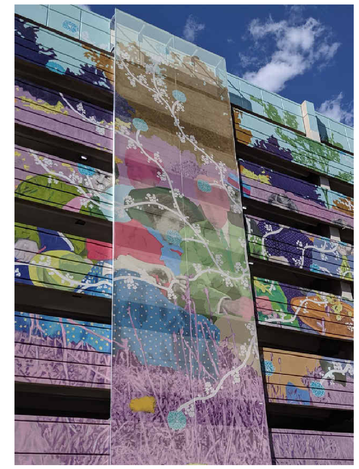
The facade design is defined by a series of horizontal mesh bands that shift from flat to angled panels as they wrap the building, creating a sense of movement and depth. These bands merge and separate at intervals, introducing rhythm, texture, and visual interest across the elevation. A gradient enhances this layered effect, emphasizing transitions and breaks while responding to light and perspective.

The mesh also offers a canvas for graphic expression. A printed design can be integrated into the system, adding a new visual layer that plays with the building's geometry, flow, and tonal variation. This artwork could echo the movement of the bands, contrast the gradient, or introduce a narrative element—enhancing the facade's dynamic quality and contributing to the site's identity.









5 AIPP BUILDING FACADE INSPIRATION IMAGES

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REGISTERED ARCHITECT 9564 L.I.C. INTERIOR DESIGNER 3855
MARCEL R. MORLOTE
STATE OF FLORIDA

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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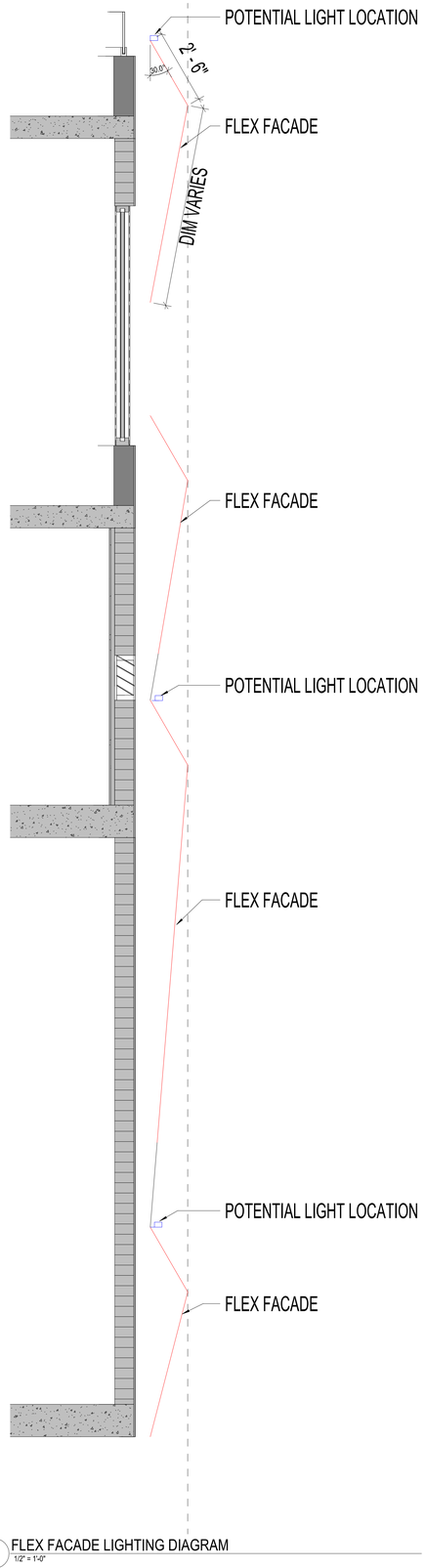
4	Plan Review	06/30/25

OPT.03 - BUILDING FACADE
NEW SHEET

AIPP-003

4

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

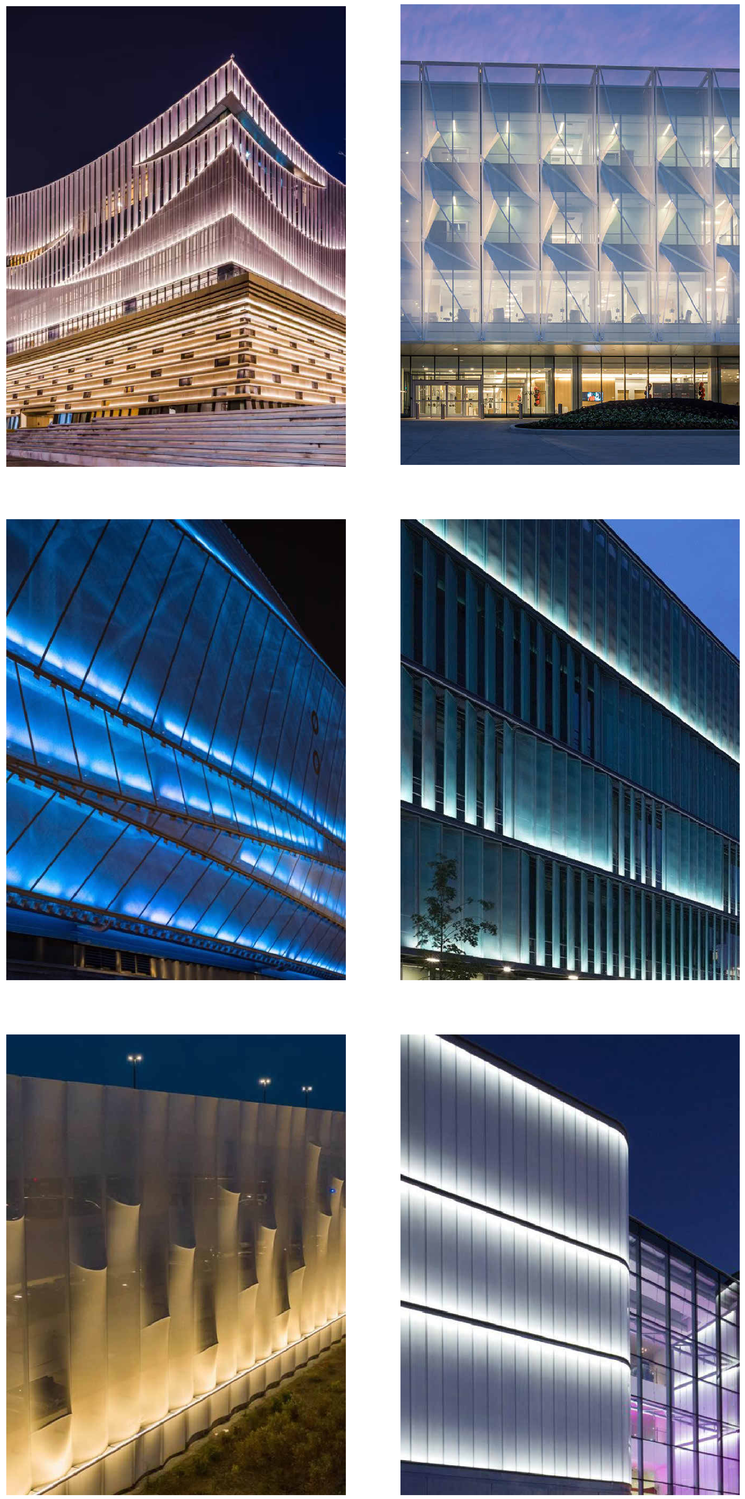


1 FLEX FACADE LIGHTING DIAGRAM
1/2" = 1'-0"





The building's facade features horizontal mesh bands that wrap around the structure in a gradient shifting from tan to a light beige. This treatment introduces a sense of movement and texture across the surface. One idea that can be explored is the use of integrated lighting to enhance the gradient effect—potentially accentuating the tonal transitions and adding depth to the material, especially at night. The bands, which shift from angled panels to flat surfaces, introduce dimensional relief that changes the way light interacts with the facade. This variation allows for a range of lighting strategies:fixtures could be positioned in front of the black mesh panels to create a streamlined line of light that emphasizes the building's curvature and flow. With thoughtful placement, the lighting can enhance the reading of movement across the facade, shifting its perception throughout the day and creating a distinct identity after dark—without compromising the architectural integrity of the design.



5 AIPP BUILDING FACADE ILLUMINATION INSPIRATION IMAGES

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OPT.04 - BUILDING FACADE ILLUMINATION

AIPP-004

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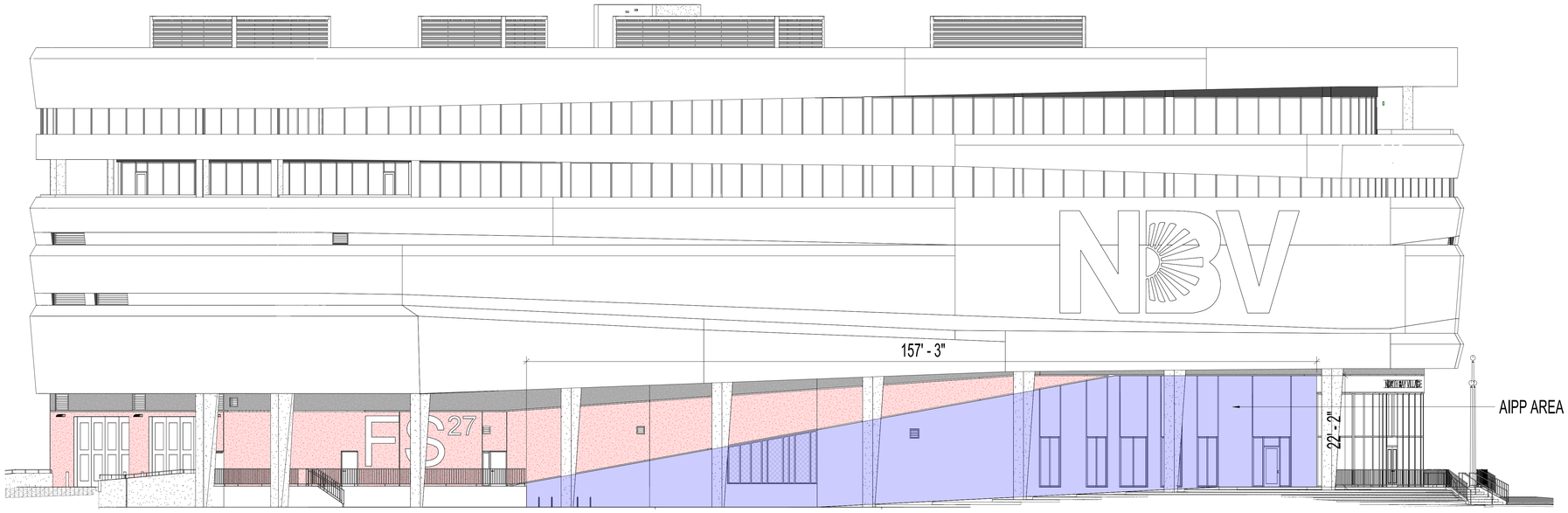
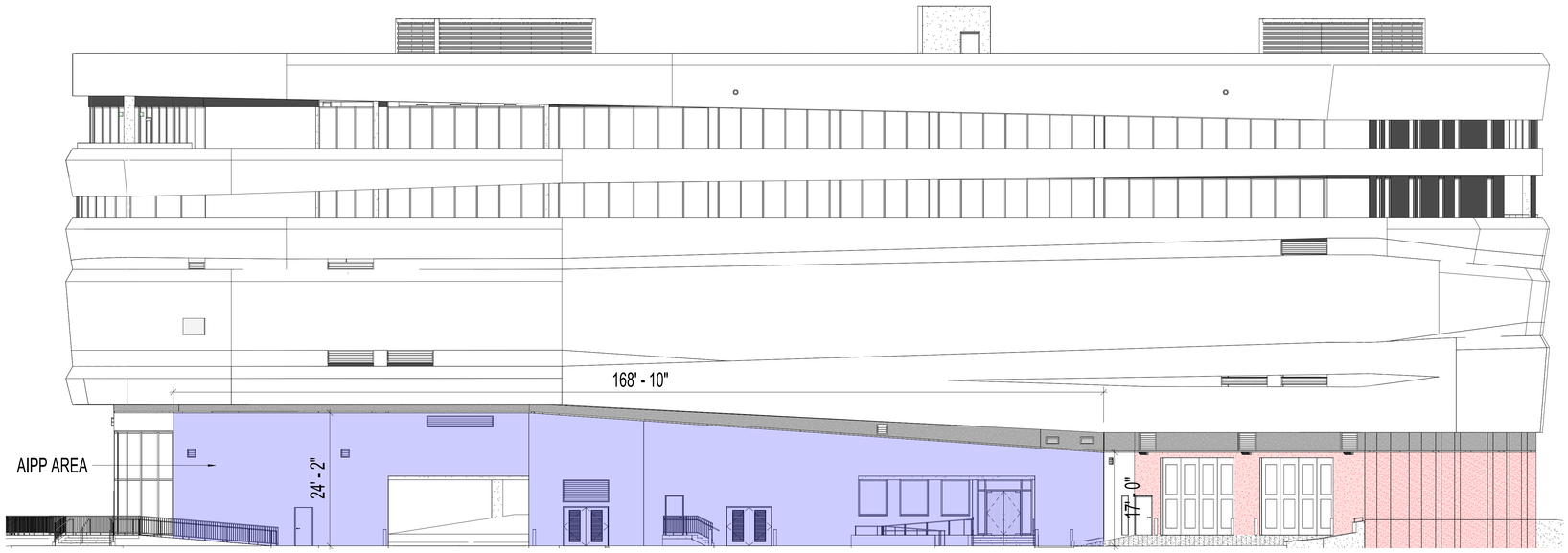
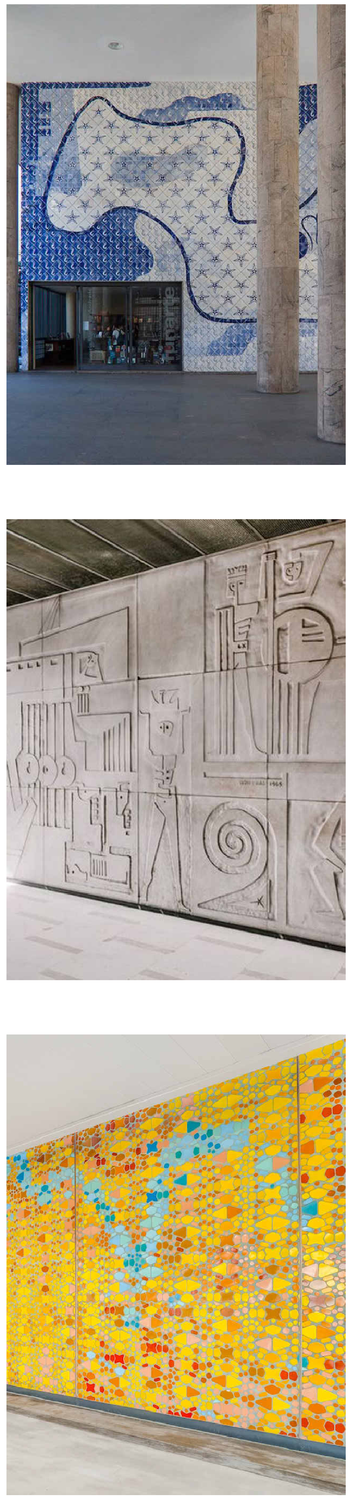
One of the key opportunities for public art is the building's exterior walls, which offer a prominent and highly visible blank canvas for artistic expression. This surface can accommodate a wide range of treatments—such as ceramic tile installations, relief art, or large-scale murals—that can be integrated directly into the architecture. These approaches not only activate the façade but also provide a meaningful way to reflect the identity, culture, or history of the community.



1 SOUTH ELEVATION.
3/32" = 1'-0"



2 NORTH ELEVATION.
3/32" = 1'-0"



3 AIPP EXTERIOR MURAL INSPIRATION IMAGES

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OPT.05 - EXTERIOR WALLS

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LIFE SAFETY PLAN LEGEND

*COORDINATE ITEMS W/ ELECTRICAL AS REQUIRED

- ILLUMINATED (DIRECTIONAL) EXIT SIGN
- EMERGENCY LIGHT FIXTURES
- FACP — FIRE ALARM CONTROL PANEL
- X-FEC — FIRE EXTINGUISHER (PREFIX INDICATES SEMI, RECESSED, OR NONE FOR WALL MOUNTED)
- HEAT DETECTOR
- F — PULL STATION
- STROBE
- S — SPEAKER
- KB — FIRE KEY BOX
- TRAVEL DISTANCE (FEET)
- TOTAL COMMON PATH OF TRAVEL (FEET)
- DEAD END CORRIDOR
- SMOKE PARTITION
- 3HR RATED WALL
- 2HR RATED WALL
- 1HR RATED WALL

FIRST FLOOR OCCUPANCY - FBC & FFPC (MEANS OF EGRESS) - FIRE DEPARTMENT

USAGE	LOAD FACTOR (SQ FT/ PERSON)	DESCRIPTION	AREA (SQ FT)	OCCUPANT LOAD (PERSONS)	REMARKS
BUSINESS	150 GROSS	GENERAL OFFICES	1,974	13	
STORAGE	300 GROSS	APPARATUS BAY, GENERAL ROOMS, STORAGE, MECH. & ELECT. ROOMS	6,230	21	
RESIDENTIAL	200 GROSS	DORMS & PUBLIC SPACES	4,480	22	
ASSEMBLY	15 NET	LOBBY	306	20	
TOTAL			**12,990**	**76**	

FIRST FLOOR OCCUPANCY - FBC & FFPC (MEANS OF EGRESS) - VILLAGE HALL

USAGE	LOAD FACTOR (SQ FT/ PERSON)	DESCRIPTION	AREA (SQ FT)	OCCUPANT LOAD (PERSONS)	REMARKS
BUSINESS	150 GROSS	GENERAL AREAS	2,070	14	
ASSEMBLY	15 NET	LOBBIES	721	48	
PARKING GARAGE	200 GROSS	SPEED RAMP	2,372	N/A	NO PEDESTRIAN ACCESS
TOTAL			**5,163**	**62**	

FIRST FLOOR OCCUPANCY - FBC & FFPC (MEANS OF EGRESS) - SUPPORT

USAGE	LOAD FACTOR (SQ FT/ PERSON)	DESCRIPTION	AREA (SQ FT)	OCCUPANT LOAD (PERSONS)	REMARKS
STORAGE	300 GROSS	BUILDING SUPPORT	769	3	

LIFE SAFETY GENERAL NOTES

1. REFER CODE ANALYSIS SHEET G-SERIES FOR INTERIOR FINISH FLAME SPREAD RATING CLASSIFICATION.

2. VERIFY LOCATIONS FOR FIRE ALARM PULL STATIONS, FIRE ALARM ANNUNCIATOR PANEL, FIRE ALARM REMOTE CONTROL PANEL, EMERGENCY LIGHTING , STROBES AND AUDIBLE ALERTS.

3. INSTALL FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10 BY A LICENSED FIRE EQUIPMENT DEALER. INSPECT, TAG, AND MOUNT ALL FIRE EXTINGUISHERS. SEE LOCATION IN PLAN.

4. ALL PANIC AND FIRE EXIT HARDWARE TO BE COMPLIANT WITH FBC SECTION 1008.1.10.

5. ALL ACCESS-CONTROLLED EGRESS DOORS TO BE COMPLIANT WITH FBC SECTION 100.1.4.4.

6. THRESHOLDS FOR ALL EXTERIOR DOORS CANNOT EXCEED 1/4" IN HEIGHT.

7. FINAL EXIT SIGNS AND EMERGENCY LIGHTING LOCATIONS ARE SUBJECT TO THE APPROVAL OF THE GOVERNING JURISDICTION. REFER SHEET G-104 FOR MOUNTING HEIGHTS U.N.O. BY FIRE MARSHAL. APPLICABLE SIGNAGE SHALL BE PROVIDED BY CONTRACTOR AND COORDINATE WITH OTHER BUILDING SIGNAGE. REFER TO FBC SECTION 1013.4 FOR RAISED CHARACTER AND BRAILLE EXIT SIGNS REQUIREMENT.

9. IF GOVERNING JURISDICTION RELOCATES ELEMENTS FROM ARCHITECTURAL SPECIFICATION, INFORM ARCHITECT, OWNER, AND AHJ PRIOR TO INSTALLATION. FIELD REVISED INFORMATION MUST BE INCLUDED IN "AS BUILT" DOCUMENTATION.

10. FIRE WALLS AND PARTITIONS SHALL BE CONTINUOUS THROUGH ANY CONCEALED SPACE IN FLOOR OR ROOF CONSTRUCTIONS.

11. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED AS REQUIRED BY BUILDING AND FIRE CODES AND AS BY GOVERNING AUTHORITIES.

12. ALL OPENINGS IN FIRE ASSEMBLIES SHALL BE IN COMPLIANCE WITH FBC 716.5 AND NFPA 101

13. SIGNAGE:

PROVIDE PERMANENT SIGNS IN THE CONCEALED SPACES OF FIRE RATED PARTITIONS TO READ, "FIRE AND/ OR SMOKE BARRIER PROTECT ALL OPENINGS".
SIGNS SHALL BE LOCATED WITHIN 15' OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30' MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION.
LETTERING NOT LESS THAN 3" IN HEIGHT W/ 3/8" STROKE IN CONTRASTING COLOR.

OCCUPANT LOAD KEY

- ASSEMBLY
- ASSEMBLY CONCENTRATED (CHAIRS ONLY - 7 NET)
- BUSINESS
- CONCENTRATED BUSINESS
- RESIDENTIAL
- LOCKERS
- STORAGE

DOOR TAG

SEE SCHEDULE SHEET Ax.x.

XX — ACTUAL OCCUPANT EXITING
XXX — MAX. OCCUPANTS ALLOWED THRU GOVERNING COMPONENT

FIRE EXTINGHISHER CALCULATION FIRST FLOOR

(NFPA 10 - TABLE 6.2.1.1)

- AREA: 18,922 GSF±
- LIGHT (LOW) HAZARD OCCUPANCY
- EXTINGHISHER SIZE & RATING: 5LB (2A) - 10BC
- MAXIMUM FLOOR AREA PER UNIT OF "A" = 3,000 SF
- MINIMUM NUMBER OF FIRE EXTINGUISHERS REQUIRED: 3.15
- PROVIDED: 6

1 GROUND FLOOR LIFE SAFETY PLAN
1/8" = 1'-0"

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2	Plan Review	12/20/24

LEVEL 1 - LIFE SAFETY PLAN

B-101

LIFE SAFETY PLAN LEGEND

*COORDINATE ITEMS W/ ELECTRICAL AS REQUIRED

- ILLUMINATED (DIRECTIONAL) EXIT SIGN
- EMERGENCY LIGHT FIXTURES
- FACP — FIRE ALARM CONTROL PANEL
- X-FEC — FIRE EXTINGUISHER (PREFIX INDICATES SEMI, RECESSED, OR NONE FOR WALL MOUNTED)
- HEAT DETECTOR
- F — PULL STATION
- STROBE
- S — SPEAKER
- KB — FIRE KEY BOX
- TRAVEL DISTANCE (FEET)
- TOTAL COMMON PATH OF TRAVEL (FEET)
- DEAD END CORRIDOR
- SMOKE PARTITION
- 3HR RATED WALL
- 2HR RATED WALL
- 1HR RATED WALL

LIFE SAFETY GENERAL NOTES

1. REFER CODE ANALYSIS SHEET G-SERIES FOR INTERIOR FINISH FLAME SPREAD RATING CLASSIFICATION.

2. VERIFY LOCATIONS FOR FIRE ALARM PULL STATIONS, FIRE ALARM ANNUNCIATOR PANEL, FIRE ALARM REMOTE CONTROL PANEL, EMERGENCY LIGHTING , STROBES AND AUDIBLE ALERTS.

3. INSTALL FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10 BY A LICENSED FIRE EQUIPMENT DEALER. INSPECT, TAG, AND MOUNT ALL FIRE EXTINGUISHERS. SEE LOCATION IN PLAN.

4. ALL PANIC AND FIRE EXIT HARDWARE TO BE COMPLIANT WITH FBC SECTION 1008.1.10.

5. ALL ACCESS-CONTROLLED EGRESS DOORS TO BE COMPLIANT WITH FBC SECTION 100.1.4.4.

6. THRESHOLDS FOR ALL EXTERIOR DOORS CANNOT EXCEED 1/4" IN HEIGHT.

7. FINAL EXIT SIGNS AND EMERGENCY LIGHTING LOCATIONS ARE SUBJECT TO THE APPROVAL OF THE GOVERNING JURISDICTION. REFER SHEET G-104 FOR MOUNTING HEIGHTS U.N.O. BY FIRE MARSHAL. APPLICABLE SIGNAGE SHALL BE PROVIDED BY CONTRACTOR AND COORDINATE WITH OTHER BUILDING SIGNAGE. REFER TO FBC SECTION 1013.4 FOR RAISED CHARACTER AND BRAILLE EXIT SIGNS REQUIREMENT.

9. IF GOVERNING JURISDICTION RELOCATES ELEMENTS FROM ARCHITECTURAL SPECIFICATION, INFORM ARCHITECT, OWNER, AND AHJ PRIOR TO INSTALLATION. FIELD REVISED INFORMATION MUST BE INCLUDED IN "AS BUILT" DOCUMENTATION.

10. FIRE WALLS AND PARTITIONS SHALL BE CONTINUOUS THROUGH ANY CONCEALED SPACE IN FLOOR OR ROOF CONSTRUCTIONS.

11. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED AS REQUIRED BY BUILDING AND FIRE CODES AND AS BY GOVERNING AUTHORITIES.

12. ALL OPENINGS IN FIRE ASSEMBLIES SHALL BE IN COMPLIANCE WITH FBC 716.5 AND NFPA 101

13. SIGNAGE:

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SIGNS SHALL BE LOCATED WITHIN 15' OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30' MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION.
LETTERING NOT LESS THAN 3" IN HEIGHT W/ 3/8" STROKE IN CONTRASTING COLOR.

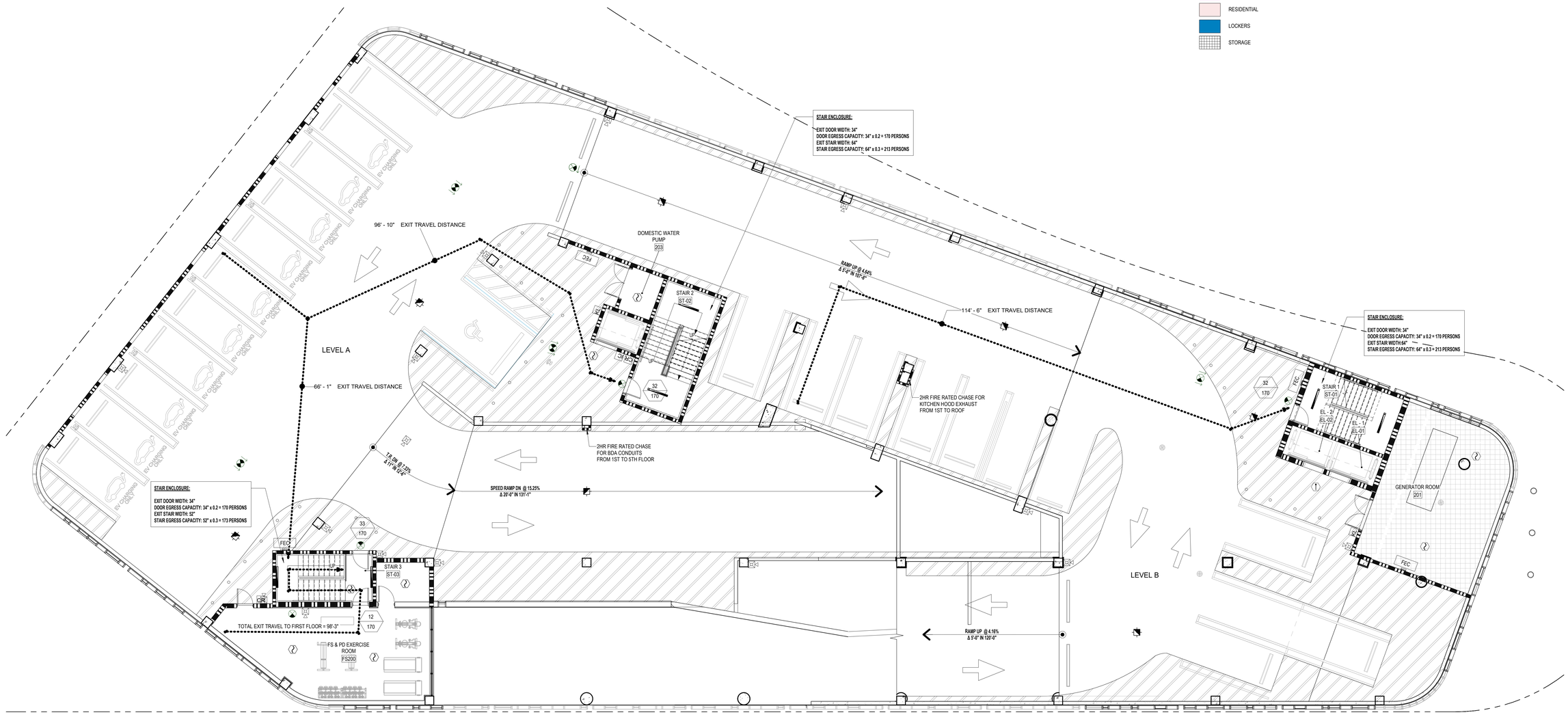
OCCUPANT LOAD KEY

- ASSEMBLY
- ASSEMBLY CONCENTRATED (CHAIRS ONLY - 7 NET)
- BUSINESS
- CONCENTRATED BUSINESS
- RESIDENTIAL
- LOCKERS
- STORAGE

DOOR TAG

SEE SCHEDULE SHEET Ax.x.

XX — ACTUAL OCCUPANT EXITING
XXX — MAX. OCCUPANTS ALLOWED THRU GOVERNING COMPONENT



1 LEVEL 2 - LIFE SAFETY PLAN
1/8" = 1'-0"

SECOND FLOOR OCCUPANCY - FBC & FFPC (MEANS OF EGRESS)

USAGE	LOAD FACTOR (SQ FT/ PERSON)	DESCRIPTION	AREA (SQ FT)	OCCUPANT LOAD (PERSONS)	REMARKS
PARKING GARAGE - PG	200 GROSS	PARKING	16,582.6	83	
EXERCISE ROOM	50 GROSS	FITNESS CENTER	652	14	
TOTAL			16,283	97	

FIRE EXTINGHISHER CALCULATION SECOND FLOOR

(NFPA 10 - TABLE 6.2.1.1)

- AREA: 16,283 GSF±
- LIGHT (LOW) HAZARD OCCUPANCY
- EXTINGHISHER SIZE & RATING: 5LB (2A) - 10BC
- MAXIMUM FLOOR AREA PER UNIT OF "A" = 3,000 SF
- MINIMUM NUMBER OF FIRE EXTINGUISHERS REQUIRED: 2.71
- PROVIDED: 5

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MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33140

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Project Number
WJ 2312 / WA 22303.0

DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE

LEVEL 2 - LIFE SAFETY PLAN

B-102

LIFE SAFETY PLAN LEGEND

*COORDINATE ITEMS W/ ELECTRICAL AS REQUIRED

- ILLUMINATED (DIRECTIONAL) EXIT SIGN
- EMERGENCY LIGHT FIXTURES
- FACP — FIRE ALARM CONTROL PANEL
- X-FEC — FIRE EXTINGUISHER (PREFIX INDICATES SEMI, RECESSED, OR NONE FOR WALL MOUNTED)
- HEAT DETECTOR
- F — PULL STATION
- STROBE
- S — SPEAKER
- KB — FIRE KEY BOX
- TRAVEL DISTANCE (FEET)
- TOTAL COMMON PATH OF TRAVEL (FEET)
- DEAD END CORRIDOR
- SMOKE PARTITION
- 3HR RATED WALL
- 2HR RATED WALL
- 1HR RATED WALL

LIFE SAFETY GENERAL NOTES

1. REFER CODE ANALYSIS SHEET G-SERIES FOR INTERIOR FINISH FLAME SPREAD RATING CLASSIFICATION.

2. VERIFY LOCATIONS FOR FIRE ALARM PULL STATIONS, FIRE ALARM ANNUNCIATOR PANEL, FIRE ALARM REMOTE CONTROL PANEL, EMERGENCY LIGHTING , STROBES AND AUDIBLE ALERTS.

3. INSTALL FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10 BY A LICENSED FIRE EQUIPMENT DEALER. INSPECT, TAG, AND MOUNT ALL FIRE EXTINGUISHERS. SEE LOCATION IN PLAN.

4. ALL PANIC AND FIRE EXIT HARDWARE TO BE COMPLIANT WITH FBC SECTION 1008.1.10.

5. ALL ACCESS-CONTROLLED EGRESS DOORS TO BE COMPLIANT WITH FBC SECTION 100.1.4.4.

6. THRESHOLDS FOR ALL EXTERIOR DOORS CANNOT EXCEED 1/4" IN HEIGHT.

7. FINAL EXIT SIGNS AND EMERGENCY LIGHTING LOCATIONS ARE SUBJECT TO THE APPROVAL OF THE GOVERNING JURISDICTION. REFER SHEET G-104 FOR MOUNTING HEIGHTS U.N.O. BY FIRE MARSHAL. APPLICABLE SIGNAGE SHALL BE PROVIDED BY CONTRACTOR AND COORDINATE WITH OTHER BUILDING SIGNAGE. REFER TO FBC SECTION 1013.4 FOR RAISED CHARACTER AND BRAILLE EXIT SIGNS REQUIREMENT.

9. IF GOVERNING JURISDICTION RELOCATES ELEMENTS FROM ARCHITECTURAL SPECIFICATION, INFORM ARCHITECT, OWNER, AND AHJ PRIOR TO INSTALLATION. FIELD REVISED INFORMATION MUST BE INCLUDED IN "AS BUILT" DOCUMENTATION.

10. FIRE WALLS AND PARTITIONS SHALL BE CONTINUOUS THROUGH ANY CONCEALED SPACE IN FLOOR OR ROOF CONSTRUCTIONS.

11. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED AS REQUIRED BY BUILDING AND FIRE CODES AND AS BY GOVERNING AUTHORITIES.

12. ALL OPENINGS IN FIRE ASSEMBLIES SHALL BE IN COMPLIANCE WITH FBC 716.5 AND NFPA 101

13. SIGNAGE:

PROVIDE PERMANENT SIGNS IN THE CONCEALED SPACES OF FIRE RATED PARTITIONS TO READ, "FIRE AND/ OR SMOKE BARRIER PROTECT ALL OPENINGS".
SIGNS SHALL BE LOCATED WITHIN 15' OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30' MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION.
LETTERING NOT LESS THAN 3" IN HEIGHT W/ 3/8" STROKE IN CONTRASTING COLOR.

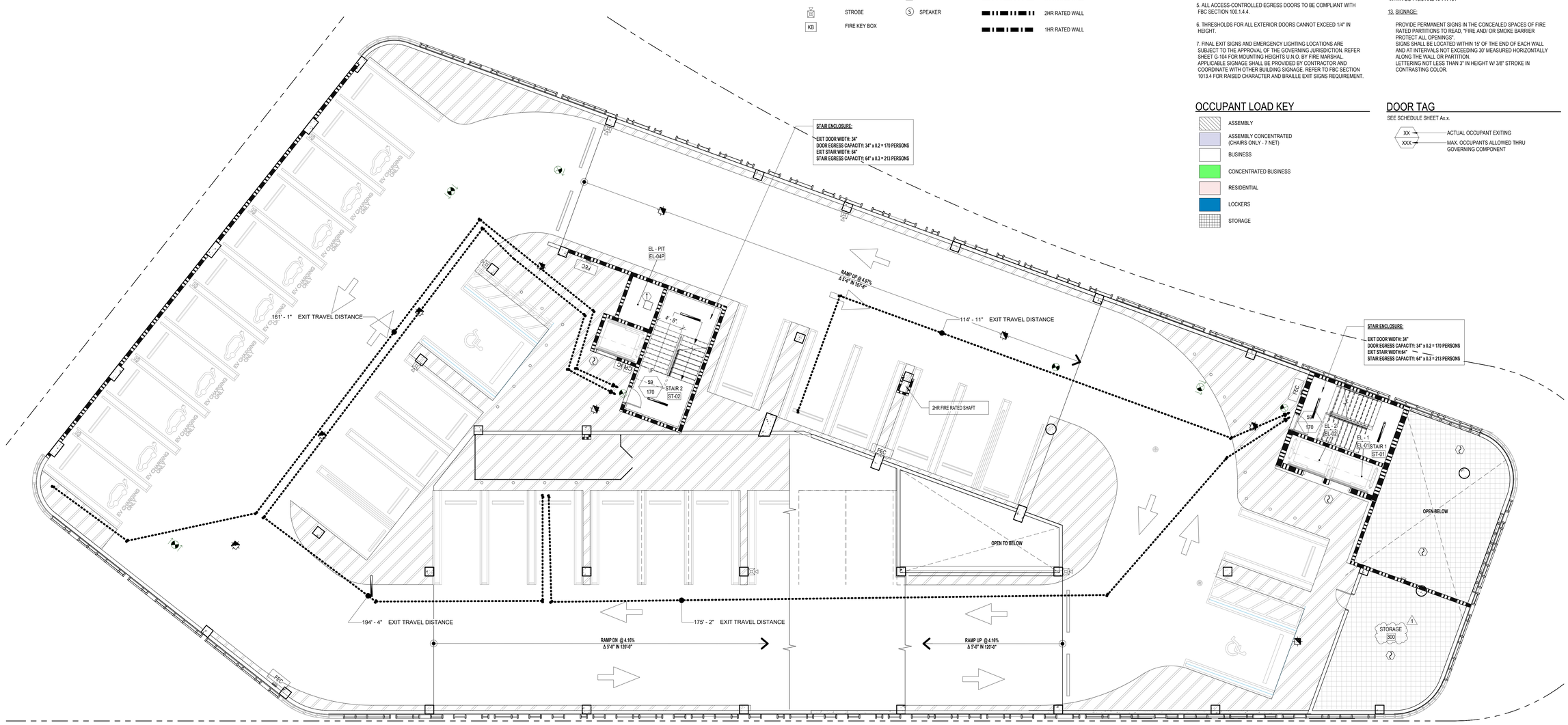
OCCUPANT LOAD KEY

- ASSEMBLY
- ASSEMBLY CONCENTRATED (CHAIRS ONLY - 7 NET)
- BUSINESS
- CONCENTRATED BUSINESS
- RESIDENTIAL
- LOCKERS
- STORAGE

DOOR TAG

SEE SCHEDULE SHEET Ax.x.

- XX — ACTUAL OCCUPANT EXITING
- XXX — MAX. OCCUPANTS ALLOWED THRU GOVERNING COMPONENT



1 LEVEL 3 - LIFE SAFETY PLAN
1/8" = 1'-0"

THIRD FLOOR OCCUPANCY - FBC & FFPC (MEANS OF EGRESS)

USAGE	LOAD FACTOR (SQ FT/ PERSON)	DESCRIPTION	AREA (SQ FT)	OCCUPANT LOAD (PERSONS)	REMARKS
PARKING GARAGE - PG	200 GROSS	PARKING	23,577	118	
TOTAL			23,577	118	

FIRE EXTINGHISHER CALCULATION THIRD FLOOR

(NFPA 10 - TABLE 6.2.1.1)

- AREA: 23,577 GSF±
- LIGHT (LOW) HAZARD OCCUPANCY
- EXTINGHISHER SIZE & RATING: 5LB (2A) - 10BC
- MAXIMUM FLOOR AREA PER UNIT OF "A" = 3,000 SF
- MINIMUM NUMBER OF FIRE EXTINGUISHERS REQUIRED: 3.92
- PROVIDED: 5

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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REGISTERED ARCHITECT MARCEL R. MORLOTE STATE OF FLORIDA LICENSED

MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

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Project Number
WJ 2312

DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE
1	Plan Review	11/08/24

LEVEL 3 - LIFE SAFETY PLAN

B-103

LIFE SAFETY PLAN LEGEND

*COORDINATE ITEMS W/ ELECTRICAL AS REQUIRED

- ILLUMINATED (DIRECTIONAL) EXIT SIGN
- EMERGENCY LIGHT FIXTURES
- FACP — FIRE ALARM CONTROL PANEL
- X-FEC — FIRE EXTINGUISHER (PREFIX INDICATES SEMI, RECESSED, OR NONE FOR WALL MOUNTED)
- HEAT DETECTOR
- F — PULL STATION
- STROBE
- S — SPEAKER
- KB — FIRE KEY BOX
- TRAVEL DISTANCE (FEET)
- TOTAL COMMON PATH OF TRAVEL (FEET)
- DEAD END CORRIDOR
- SMOKE PARTITION
- 3HR RATED WALL
- 2HR RATED WALL
- 1HR RATED WALL

LIFE SAFETY GENERAL NOTES

1. REFER CODE ANALYSIS SHEET G-SERIES FOR INTERIOR FINISH FLAME SPREAD RATING CLASSIFICATION.

2. VERIFY LOCATIONS FOR FIRE ALARM PULL STATIONS, FIRE ALARM ANNUNCIATOR PANEL, FIRE ALARM REMOTE CONTROL PANEL, EMERGENCY LIGHTING , STROBES AND AUDIBLE ALERTS.

3. INSTALL FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10 BY A LICENSED FIRE EQUIPMENT DEALER. INSPECT, TAG, AND MOUNT ALL FIRE EXTINGUISHERS. SEE LOCATION IN PLAN.

4. ALL PANIC AND FIRE EXIT HARDWARE TO BE COMPLIANT WITH FBC SECTION 1008.1.10.

5. ALL ACCESS-CONTROLLED EGRESS DOORS TO BE COMPLIANT WITH FBC SECTION 100.1.4.4.

6. THRESHOLDS FOR ALL EXTERIOR DOORS CANNOT EXCEED 1/4" IN HEIGHT.

7. FINAL EXIT SIGNS AND EMERGENCY LIGHTING LOCATIONS ARE SUBJECT TO THE APPROVAL OF THE GOVERNING JURISDICTION. REFER SHEET G-104 FOR MOUNTING HEIGHTS U.N.O. BY FIRE MARSHAL. APPLICABLE SIGNAGE SHALL BE PROVIDED BY CONTRACTOR AND COORDINATE WITH OTHER BUILDING SIGNAGE. REFER TO FBC SECTION 1013.4 FOR RAISED CHARACTER AND BRAILLE EXIT SIGNS REQUIREMENT.

9. IF GOVERNING JURISDICTION RELOCATES ELEMENTS FROM ARCHITECTURAL SPECIFICATION, INFORM ARCHITECT, OWNER, AND AHJ PRIOR TO INSTALLATION. FIELD REVISED INFORMATION MUST BE INCLUDED IN "AS BUILT" DOCUMENTATION.

10. FIRE WALLS AND PARTITIONS SHALL BE CONTINUOUS THROUGH ANY CONCEALED SPACE IN FLOOR OR ROOF CONSTRUCTIONS.

11. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED AS REQUIRED BY BUILDING AND FIRE CODES AND AS BY GOVERNING AUTHORITIES.

12. ALL OPENINGS IN FIRE ASSEMBLIES SHALL BE IN COMPLIANCE WITH FBC 716.5 AND NFPA 101

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LETTERING NOT LESS THAN 3" IN HEIGHT W/ 3/8" STROKE IN CONTRASTING COLOR.

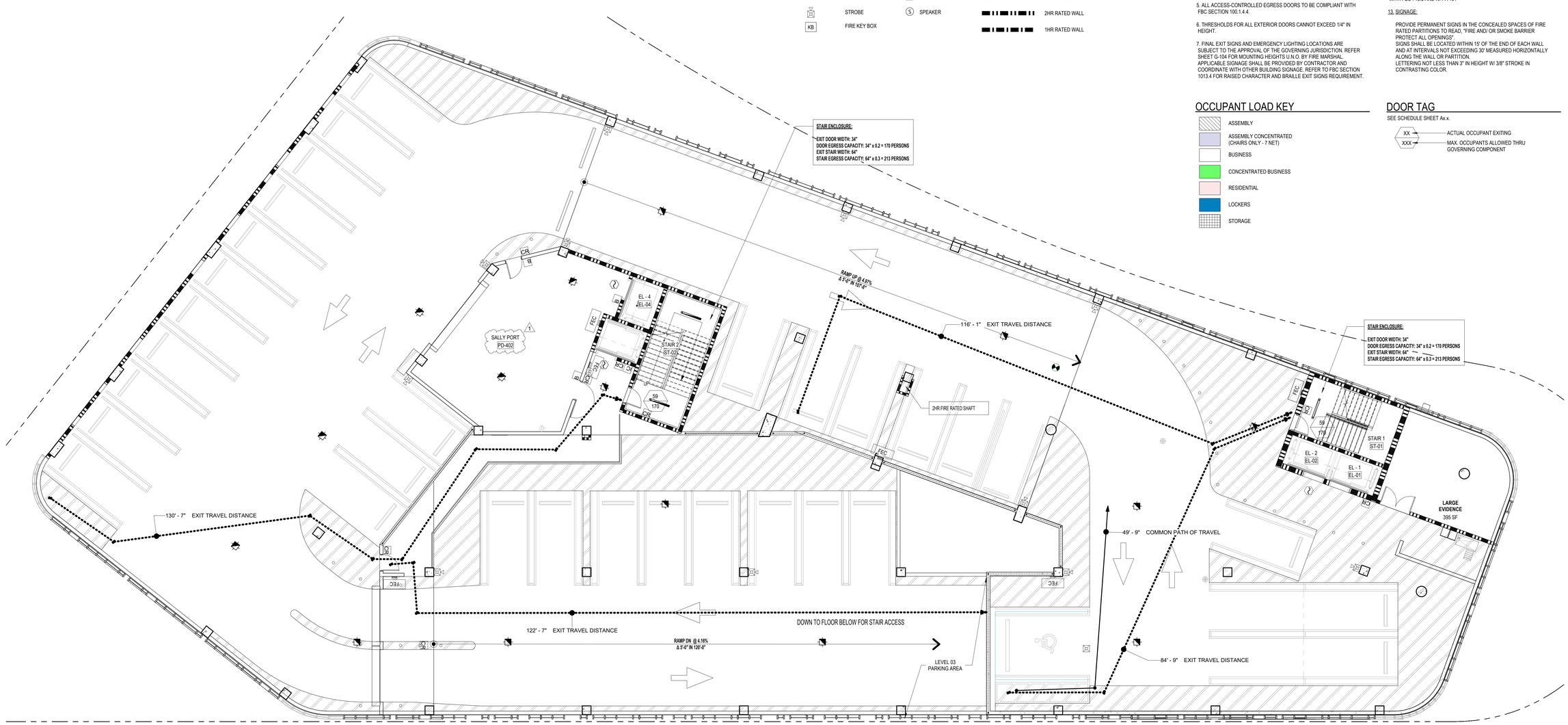
OCCUPANT LOAD KEY

- ASSEMBLY
- ASSEMBLY CONCENTRATED (CHAIRS ONLY - 7 NET)
- BUSINESS
- CONCENTRATED BUSINESS
- RESIDENTIAL
- LOCKERS
- STORAGE

DOOR TAG

SEE SCHEDULE SHEET Ax.x

- XX — ACTUAL OCCUPANT EXITING
- XXX — MAX. OCCUPANTS ALLOWED THRU GOVERNING COMPONENT



1 LEVEL 4 - LIFE SAFETY PLAN
1/8" = 1'-0"

FOURTH FLOOR OCCUPANCY - FBC & FFPC (MEANS OF EGRESS)

USAGE	LOAD FACTOR (SQ FT/ PERSON)	DESCRIPTION	AREA (SQ FT)	OCCUPANT LOAD (PERSONS)	REMARKS
PARKING GARAGE - PG	200 GROSS	PARKING	23,577	118	
TOTAL			**23,577**	**118**	

FIRE EXTINGHISHER CALCULATION FOURTH FLOOR

(NFPA 10 - TABLE 6.2.1.1)

- AREA: 23,577 GSF±
- LIGHT (LOW) HAZARD OCCUPANCY
- EXTINGHISHER SIZE & RATING: 5LB (2A) - 10BC
- MAXIMUM FLOOR AREA PER UNIT OF "A" = 3,000 SF
- MINIMUM NUMBER OF FIRE EXTINGUISHERS REQUIRED: 3.92
- PROVIDED: 6

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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REGISTERED ARCHITECT — MARCEL R. MORLOTE — STATE OF FLORIDA

MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33140

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Project Number
WJ 2312

DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE
1	Plan Review	11/08/24

LEVEL 4 - LIFE SAFETY PLAN

B-104

LIFE SAFETY PLAN LEGEND

*COORDINATE ITEMS W/ ELECTRICAL AS REQUIRED

- ILLUMINATED (DIRECTIONAL) EXIT SIGN
- EMERGENCY LIGHT FIXTURES
- FACP — FIRE ALARM CONTROL PANEL
- X-FEC — FIRE EXTINGUISHER (PREFIX INDICATES SEMI, RECESSED, OR NONE FOR WALL MOUNTED)
- HEAT DETECTOR
- STROBE
- KB — FIRE KEY BOX
- F — PULL STATION
- S — SPEAKER
- TRAVEL DISTANCE (FEET)
- TOTAL COMMON PATH OF TRAVEL (FEET)
- DEAD END CORRIDOR
- SMOKE PARTITION
- 3HR RATED WALL
- 2HR RATED WALL
- 1HR RATED WALL

LIFE SAFETY GENERAL NOTES

1. REFER CODE ANALYSIS SHEET G-SERIES FOR INTERIOR FINISH FLAME SPREAD RATING CLASSIFICATION.

2. VERIFY LOCATIONS FOR FIRE ALARM PULL STATIONS, FIRE ALARM ANNUNCIATOR PANEL, FIRE ALARM REMOTE CONTROL PANEL, EMERGENCY LIGHTING , STROBES AND AUDIBLE ALERTS.

3. INSTALL FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10 BY A LICENSED FIRE EQUIPMENT DEALER. INSPECT, TAG, AND MOUNT ALL FIRE EXTINGUISHERS. SEE LOCATION IN PLAN.

4. ALL PANIC AND FIRE EXIT HARDWARE TO BE COMPLIANT WITH FBC SECTION 1008.1.10.

5. ALL ACCESS-CONTROLLED EGRESS DOORS TO BE COMPLIANT WITH FBC SECTION 100.1.4.4.

6. THRESHOLDS FOR ALL EXTERIOR DOORS CANNOT EXCEED 1/4" IN HEIGHT.

7. FINAL EXIT SIGNS AND EMERGENCY LIGHTING LOCATIONS ARE SUBJECT TO THE APPROVAL OF THE GOVERNING JURISDICTION. REFER SHEET G-104 FOR MOUNTING HEIGHTS U.N.O. BY FIRE MARSHAL. APPLICABLE SIGNAGE SHALL BE PROVIDED BY CONTRACTOR AND COORDINATE WITH OTHER BUILDING SIGNAGE. REFER TO FBC SECTION 1013.4 FOR RAISED CHARACTER AND BRAILLE EXIT SIGNS REQUIREMENT.

9. IF GOVERNING JURISDICTION RELOCATES ELEMENTS FROM ARCHITECTURAL SPECIFICATION, INFORM ARCHITECT, OWNER, AND AHJ PRIOR TO INSTALLATION. FIELD REVISED INFORMATION MUST BE INCLUDED IN "AS BUILT" DOCUMENTATION.

10. FIRE WALLS AND PARTITIONS SHALL BE CONTINUOUS THROUGH ANY CONCEALED SPACE IN FLOOR OR ROOF CONSTRUCTIONS.

11. ALL PENETRATIONS THROUGH FIRE RATED ASSEMBLIES SHALL BE SEALED AS REQUIRED BY BUILDING AND FIRE CODES AND AS BY GOVERNING AUTHORITIES.

12. ALL OPENINGS IN FIRE ASSEMBLIES SHALL BE IN COMPLIANCE WITH FBC 716.5 AND NFPA 101

13. SIGNAGE:

PROVIDE PERMANENT SIGNS IN THE CONCEALED SPACES OF FIRE RATED PARTITIONS TO READ, "FIRE AND/ OR SMOKE BARRIER PROTECT ALL OPENINGS".
SIGNS SHALL BE LOCATED WITHIN 15' OF THE END OF EACH WALL AND AT INTERVALS NOT EXCEEDING 30' MEASURED HORIZONTALLY ALONG THE WALL OR PARTITION.
LETTERING NOT LESS THAN 3" IN HEIGHT W/ 3/8" STROKE IN CONTRASTING COLOR.

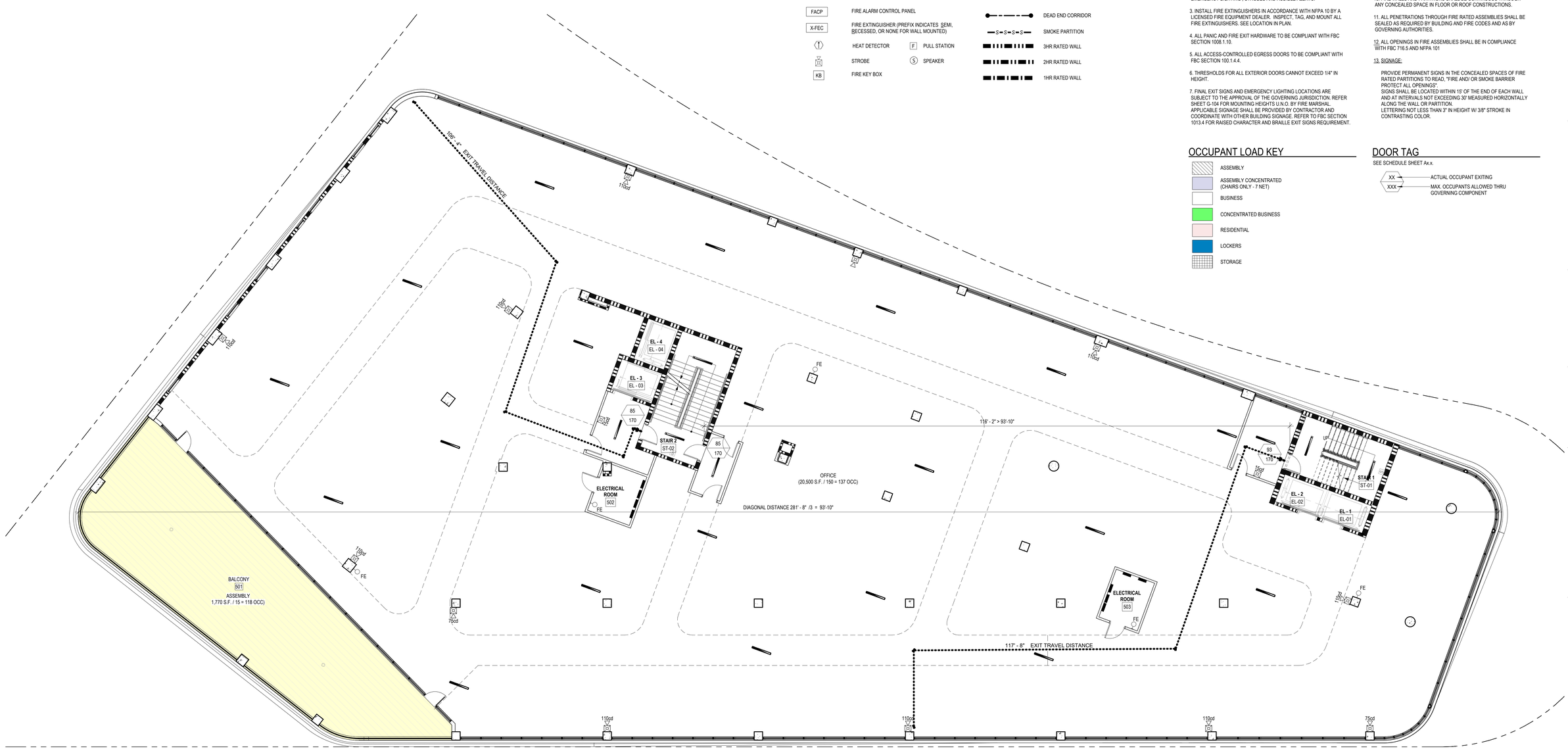
OCCUPANT LOAD KEY

- ASSEMBLY
- ASSEMBLY CONCENTRATED (CHAIRS ONLY - 7 NET)
- BUSINESS
- CONCENTRATED BUSINESS
- RESIDENTIAL
- LOCKERS
- STORAGE

DOOR TAG

SEE SCHEDULE SHEET Ax.x.

- XX — ACTUAL OCCUPANT EXITING
- XXX — MAX. OCCUPANTS ALLOWED THRU GOVERNING COMPONENT



1 LEVEL 5 - LIFE SAFETY PLAN
1/8" = 1'-0"

FIFTH FLOOR OCCUPANCY - FBC & FFPC (MEANS OF EGRESS)

USAGE	LOAD FACTOR (SQ FT/ PERSON)	DESCRIPTION	AREA (SQ FT)	OCCUPANT LOAD (PERSONS)	REMARKS
BUSINESS	150	**OFFICE**	21,783 S.F.	145	**AREA AND OCCUPANT LOAD SHOWN ARE BASED ON FUTURE TENANT IMPROVEMENTS BEING SIMILAR TO 6TH FLOOR**
ASSEMBLY	15	**BALCONY**	1,770 S.F.	118	
TOTAL	165		23,553 S.F.	263	

FIRE EXTINGHISHER CALCULATION FIFTH FLOOR

(NFPA 10 - TABLE 6.2.1.1)

- AREA: 23,553 GSF±
- LIGHT (LOW) HAZARD OCCUPANCY
- EXTINGHISHER SIZE & RATING: 5LB (2A) - 10BC
- MAXIMUM FLOOR AREA PER UNIT OF "A" = 3,000 SF
- MINIMUM NUMBER OF FIRE EXTINGUISHERS REQUIRED: 3.92
- PROVIDED: 4

4

REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:

1. ADDED FLOOR FOR FUTURE USE.

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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STATE OF FLORIDA
REGISTERED ARCHITECT
MARCEL R. MORLOTE
LICENSE NO. 9564

MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33141

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Project Number
WJ 2312

DISTRIBUTION

12/11/2024

REV	DESCRIPTION	DATE
4	Plan Review	06/30/25

LEVEL 5 - LIFE SAFETY PLAN

NEW SHEET

B-105

4

LIFE SAFETY PLAN LEGEND

*COORDINATE ITEMS W/ ELECTRICAL AS REQUIRED

- ILLUMINATED (DIRECTIONAL) EXIT SIGN
- EMERGENCY LIGHT FIXTURES
- FACP — FIRE ALARM CONTROL PANEL
- X-FEC — FIRE EXTINGUISHER (PREFIX INDICATES SEMI, RECESSED, OR NONE FOR WALL MOUNTED)
- HEAT DETECTOR
- STROBE
- KB — FIRE KEY BOX
- F — PULL STATION
- S — SPEAKER
- TRAVEL DISTANCE (FEET)
- TOTAL COMMON PATH OF TRAVEL (FEET)
- DEAD END CORRIDOR
- SMOKE PARTITION
- 3HR RATED WALL
- 2HR RATED WALL
- 1HR RATED WALL

LIFE SAFETY GENERAL NOTES

1. REFER CODE ANALYSIS SHEET G-SERIES FOR INTERIOR FINISH FLAME SPREAD RATING CLASSIFICATION.

2. VERIFY LOCATIONS FOR FIRE ALARM PULL STATIONS, FIRE ALARM ANNUNCIATOR PANEL, FIRE ALARM REMOTE CONTROL PANEL, EMERGENCY LIGHTING , STROBES AND AUDIBLE ALERTS.

3. INSTALL FIRE EXTINGUISHERS IN ACCORDANCE WITH NFPA 10 BY A LICENSED FIRE EQUIPMENT DEALER. INSPECT, TAG, AND MOUNT ALL FIRE EXTINGUISHERS. SEE LOCATION IN PLAN.

4. ALL PANIC AND FIRE EXIT HARDWARE TO BE COMPLIANT WITH FBC SECTION 1008.1.10.

5. ALL ACCESS-CONTROLLED EGRESS DOORS TO BE COMPLIANT WITH FBC SECTION 100.1.4.4.

6. THRESHOLDS FOR ALL EXTERIOR DOORS CANNOT EXCEED 1/4" IN HEIGHT.

7. FINAL EXIT SIGNS AND EMERGENCY LIGHTING LOCATIONS ARE SUBJECT TO THE APPROVAL OF THE GOVERNING JURISDICTION. REFER SHEET G-104 FOR MOUNTING HEIGHTS U.N.O. BY FIRE MARSHAL. APPLICABLE SIGNAGE SHALL BE PROVIDED BY CONTRACTOR AND COORDINATE WITH OTHER BUILDING SIGNAGE. REFER TO FBC SECTION 1013.4 FOR RAISED CHARACTER AND BRAILLE EXIT SIGNS REQUIREMENT.

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LETTERING NOT LESS THAN 3" IN HEIGHT W/ 3/8" STROKE IN CONTRASTING COLOR.

OCCUPANT LOAD KEY

- ASSEMBLY
- ASSEMBLY CONCENTRATED (CHAIRS ONLY - 7 NET)
- BUSINESS
- CONCENTRATED BUSINESS
- RESIDENTIAL
- LOCKERS
- STORAGE

DOOR TAG

SEE SCHEDULE SHEET Ax.x.

- XX — ACTUAL OCCUPANT EXITING
- XXX — MAX. OCCUPANTS ALLOWED THRU GOVERNING COMPONENT

STAIR ENCLOSURE:
EXIT DOOR WIDTH: 34"
DOOR EGRESS CAPACITY: 34" x 0.2 = 170 PERSONS
EXIT STAIR WIDTH: 64"
STAIR EGRESS CAPACITY: 64" x 0.3 = 213 PERSONS

STAIR ENCLOSURE:
EXIT DOOR WIDTH: 34"
DOOR EGRESS CAPACITY: 34" x 0.2 = 170 PERSONS
EXIT STAIR WIDTH: 64"
STAIR EGRESS CAPACITY: 64" x 0.3 = 213 PERSONS



1 LEVEL 6 - LIFE SAFETY PLAN
1/8" = 1'-0"

SIXTH FLOOR OCCUPANCY - FBC & FFPC (MEANS OF EGRESS)

USAGE	LOAD FACTOR (SQ FT/ PERSON)	DESCRIPTION	AREA (SQ FT)	OCCUPANT LOAD (PERSONS)	REMARKS
BUSINESS	150 GROSS	GENERAL OFFICES	17,361	116	
CONCENTRATED BUSINESS	50 GROSS	STAFF OFFICES	867	17	
STORAGE	300 GROSS	GENERAL STORAGE, MECHANICAL, ELECTRICAL, JANITOR	538	2	
LOCKERS	50 GROSS	RESTROOMS, SHOWERS & LOCKERS	805	16	
ASSEMBLY	15 NET	COMMAND CENTER, CALL ROOM, BREAK ROOM	1,848	123	
	15 NET	BALCONY	437	29	
	15 NET	CHAMBERS TABLE & CHAIRS	241	16	
	7 NET	CHAMBERS SEATING AREA (CHAIRS)	273	39	
	-	DAIS	363	9 SEATS	
BUSINESS	150 GROSS	CHAMBERS CIRCULATION	820	5	
TOTAL			**23,553**	**373**	

4

FIRE EXTINGHISHER CALCULATION
4 SIXTH FLOOR
(NFPA 10 - TABLE 6.2.1.1)

- AREA: 23,553 GSF±
- LIGHT (LOW) HAZARD OCCUPANCY
- EXTINGHISHER SIZE & RATING: 5LB (2A) - 10BC
- MAXIMUM FLOOR AREA PER UNIT OF "A" = 3,000 SF
- MINIMUM NUMBER OF FIRE EXTINGUISHERS REQUIRED: 3.92
- PROVIDED: 9

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33141

7/3/2025 11:38:33 AM

Project Number
WJ 2312

DISTRIBUTION
12/11/2024

REV	DESCRIPTION	DATE
4	Plan Review	06/30/25

LEVEL 6 - LIFE SAFETY PLAN

B-106

CITY OF NORTH BAY VILLAGE

CAPITAL IMPROVEMENTS PROGRAM

INDEX OF SHEETS

SHEET NO.	SHEET TITLE
C-00	COVER SHEET
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C-02	DEMOLITION PLAN
C-03	PAVING & GRADING PLAN
C-04	PAVEMENT MARKING PLAN
C-05	STORM DRAINAGE PLAN
C-06	STORM DRAINAGE DETAILS
C-07	WATER & SEWER PLAN
C-08	WATER & SEWER PROFILES
C-09	AUTOTURN - RIGHT-BAY EASTBOUND
C-10	AUTOTURN - LEFT-BAY EASTBOUND
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C-18	STORM WATER POLLUTION PREVENTION PLAN
SP-1	SIGNALIZATION - COVER SHEET
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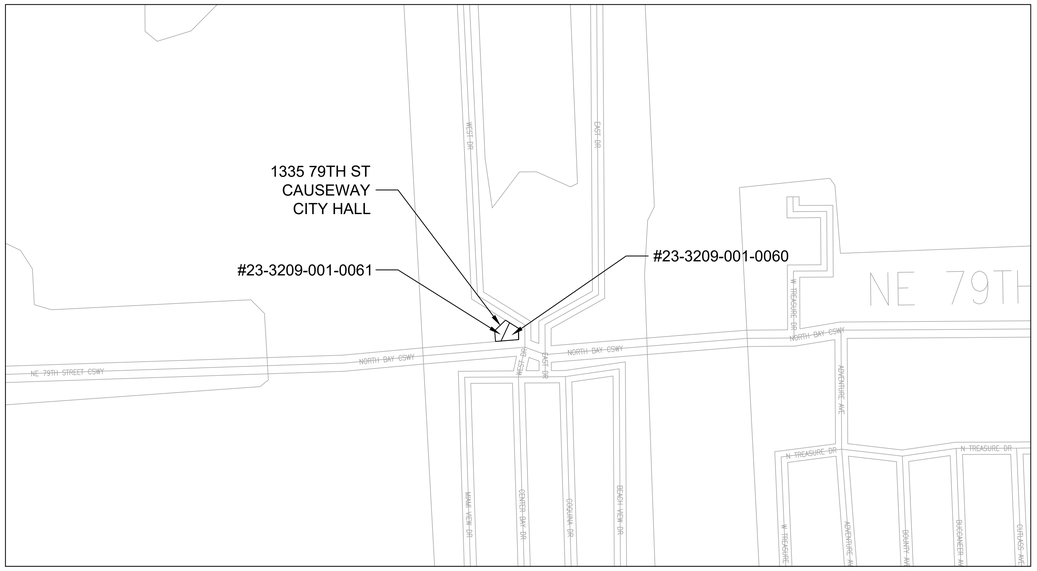
SP-3	SIGNALIZATION PLAN

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX
23-3209-001-0060



LOCATION MAP
SCALE: 1" = 300'

LEGAL DESCRIPTION:

ALL OF LOT 2 OF "HARBOR ISLAND," ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 44, PAGE 72, OF THE PUBLIC RECORDS OF MIAMI-DADE COUNTY, FLORIDA.

CITY OF NORTH BAY VILLAGE PROJECT MANAGER: CARLOS LLAMAS

CITY OF NORTH BAY VILLAGE CONSTRUCTION MANAGER: CARLOS LLAMAS

GOVERNING STANDARDS AND SPECIFICATIONS:

- FLORIDA DEPARTMENT OF TRANSPORTATION, DESIGN STANDARDS DATED 2023, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED JULY 2023, AS AMENDED BY CONTRACT DOCUMENTS.
- MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS (2009) (MUTCD)
- CITY OF MIAMI ENGINEERING STANDARDS FOR DESIGN AND CONSTRUCTION DATED NOVEMBER 2021.

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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November 2025

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STATE OF FLORIDA
WADDIE D. RUIZ-RIVERA
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PROFESSIONAL ENGINEER

WADDIE D. RUIZ, P.E.
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

7/30/2024 9:10:27 AM

Project Number
WJ 2312 / WA 22303.0

DISTRIBUTION
08-01-2024

REV	DESCRIPTION	DATE
2	REV #2	12/20/2024

COVER SHEET

C-00

GENERAL NOTES

1. B.M. DATA IS NATIONAL GEODETIC VERTICAL DATUM OF 1929 (N.G.V.D.–29).

2. ANY N.G.V.D. BENCH MARK MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED AND PROPERLY REFERENCED BY A REGISTERED–LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE. IF ANY MONUMENT IS IN DANGER OF DAMAGE, THE PROJECT ENGINEER SHALL NOTIFY RON TAYLOR, FLORIDA DEPT. OF ENVIRONMENTAL PROTECTION (FDEP) SURVEYING AND MAPPING, 3900 COMMONWEALTH BLVD., MAIL STATION 105, TALLAHASSEE, FLORIDA 32399–3000 TELEPHONE (850) 245–2606.

3. ALL PUBLIC LAND CORNERS AND MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED BY THE CONTRACTOR AS FOLLOWS: CORNERS AND MONUMENTS IN CONFLICT WITH THE WORK AND IN DANGER OF BEING DAMAGED, DESTROYED, OR COVERED SHALL BE PROPERLY REFERENCED BY A REGISTERED–LAND SURVEYOR IN ACCORDANCE WITH THE MINIMUM TECHNICAL STANDARDS OF THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS PRIOR TO BEGINNING WORK AT THE SITE. THE CONTRACTOR SHALL RETAIN THE LAND SURVEYOR TO REFERENCE, AND RESTORE UPON COMPLETION OF THE WORK, ALL SUCH CORNERS AND MONUMENTS, AND SHALL FURNISH TO MIAMI–DADE COUNTY PUBLIC WORKS DEPARTMENT A SIGNED AND SEALED COPY OF THE LAND SURVEYOR'S REFERENCE DRAWING.

4. ALL STATIONS AND OFFSETS REFER TO CENTERLINE AND BASELINE OF CONSTRUCTION, UNLESS OTHERWISE STATED.

5. ALL GRADES SHOWN IN PLAN ARE FINISHED GRADES, UNLESS STATED OTHERWISE.

6. THE CONTRACTOR SHALL PAINT ALL STATIONS WITH STENCILED NUMBERS ON THE FACE OF CURB:
   A. FROM THE BEGINNING OF THE PROJECT WHERE THE CURB IS TO REMAIN.
   B. AT NEW CURB NOT LATER THAN 72 HOURS AFTER BEING POURED.
   C. WHERE CURB DOES NOT EXIST AND SHALL NOT BE CONSTRUCTED,
   THE CONTRACTOR SHALL MAINTAIN STATIONING WITH SURVEYING STAKES.
   CONTRACTOR SHALL MAINTAIN THE STATION MARKS VISIBLE UNTIL FINAL INSPECTION.

7. ALL CONSTRUCTION SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE MIAMI–DADE COUNTY DEPARTMENT OF TRANSPORTATION AND PUBLIC WORKS, AND ANY OTHER STATE OR LOCAL AGENCY WITH JURISDICTION. IT IS THE INTENT OF THESE PLANS TO BE IN ACCORDANCE WITH APPLICABLE CODES AND AUTHORITIES HAVING JURISDICTION. ANY DISCREPANCIES BETWEEN THESE PLANS AND APPLICABLE CODES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ENGINEER.

8. CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE EPA AND THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES).

9. THE LOCATION AND SIZE OF THE UTILITIES SHOWN IN THE PLANS SHOULD BE CONSIDERED APPROXIMATE ONLY. ADDITIONAL UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL VERIFY ALL UTILITIES BY ELECTRONIC METHODS AND BY PRE–TRENCHING IN COORDINATION WITH ALL UTILITY COMPANIES, PRIOR TO BEGINNING ANY CONSTRUCTION OPERATION. ANY AND ALL CONFLICTS OF EXISTING UTILITIES WITH PROPOSED IMPROVEMENTS MUST BE RESOLVED BY THE ENGINEER AND THE OWNER. THIS WORK BY THE CONTRACTOR SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED.

10. BASELINE CONTROL SURVEY CONDUCTED BY MIAMI–DADE COUNTY. PLEASE CALL MR. MIKE WHITLING AT 305–375–2655 CONCERNING SURVEY RELATED QUESTIONS.

11. EXISTING TOPOGRAPHIC INFORMATION WAS OBTAINED FROM SURVEY PREPARED BY ROYAL POINT LAND SURVEYORS, INC., DATED 05/11/23.

12. CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE–CALL AT 1–(800)–432–4770 AT LEAST 48 HOURS PRIOR TO PERFORMING ANY DIGGING TO VERIFY THE EXACT LOCATION OF EXISTING UTILITIES. A CONTRACTOR'S REPRESENTATIVE MUST BE PRESENT WHEN UTILITY COMPANIES LOCATE THEIR FACILITIES.

13. THE CONTRACTOR IS TO USE CAUTION WHEN WORKING IN OR AROUND AREAS OF OVERHEAD AND UNDERGROUND UTILITIES.

14. MIAMI–DADE WATER AND SEWER DEPARTMENT REQUIRES THAT ACCESS TO ALL WATER AND SEWER VALVES, SANITARY MANHOLES, AND OTHER CONTROL MECHANISMS BE MAINTAINED THROUGHOUT CONSTRUCTION IN THE EVENT OF AN EMERGENCY TO ENSURE THE PUBLIC HEALTH AND SAFETY. COVERING VALVE BOXES AND MANHOLES CAN BE CONSIDERED UNAUTHORIZED OBSTRUCTION OF AND TAMPERING WITH DEPARTMENT UTILITIES. ALL REQUESTS FOR UTILITY ADJUSTMENTS MUST BE MADE IN WRITING AT LEAST TWO (2) WEEKS IN ADVANCE. FOR MANHOLE AND VALVES, CONTACT THE CONSTRUCTION MANAGEMENT SECTION, PUMP STATIONS UNIT, 3071 SW 38 AVENUE, FAX NO. 305–668–3626. THE DEPARTMENT WILL MAKE ONE FINAL AND PERMANENT ADJUSTMENT AT NO COST TO THE REQUESTING AGENCY. FOR THE ADJUSTMENT OF WATER METERS, CONTACT THE CHIEF OF METER OPERATIONS AND MAINTENANCE, FAX NO. 305–545–3482. FOR ANY FIRE HYDRANTS THAT ARE DAMAGED OR BUMPED DURING CONSTRUCTION, CONTACT THE MDWASD HYDRANT SHOP AT 305–805–4575 BEFORE POURING CONCRETE FOR THE SIDEWALK. IN THE EVENT OF A WATER OR SEWER EMERGENCY, CONTACT MIAMI DADE WATER AND SEWER DEPARTMENT AT 305–274–9272. THIS LINE IS OPEN 24 HOURS, 7 DAYS A WEEK.

15. KNOWN UTILITY COMPANIES IN THE PROJECT LIMITS INCLUDE, BUT ARE NOT LIMITED TO:

AT&T	– DIANA DUQUE	– (561) 683–2729
COMCAST	– MR. LEONARD MAXWELL–NEWBOLD	– (954) 538–9394
CROWN CASTLE	– FIBERDIG TEAM	– (888) 632–0931
FPL	– MR. EDGAR AGUILAR	– (305) 377–6001
MDWASD	– MS. MARIA CAPOTE	– (786) 268–5329
TECO PEOPLES GAS	– MR. JOAN DOMNING	– (305) 835–3632

16. THE CONTRACTOR IS ADVISED THAT PROPERTIES ADJACENT TO THE PROJECT HAVE ELECTRIC, TELEPHONE, GAS, WATER, AND/OR SEWER SERVICE LATERALS WHICH MAY NOT BE SHOWN IN PLANS. THE CONTRACTOR MUST REQUEST THE LOCATION OF THESE LATERAL SERVICES FROM THE UTILITY COMPANIES. THE ADDITIONAL COST OF EXCAVATING, INSTALLING, BACKFILLING, AND COMPACTING AROUND THESE LATERAL SERVICES MUST BE INCLUDED IN THE BID RELATED ITEM FOR THE WORK BEING DONE.

17. ANY DAMAGE TO PUBLIC OR PRIVATE PROPERTY SHALL BE RESTORED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER.

18. ANY ENCROACHMENT WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR PROTECTED BY THE ADJACENT PROPERTY OWNER AT THEIR EXPENSE, UNLESS OTHERWISE SHOWN ON THE PLANS.

19. CLEARING AND GRUBBING, GRADING AND OTHER INCIDENTAL WORK NECESSARY FOR HARMONIZATION OUTSIDE R/W SHALL BE INCLUDED IN RELATED BID ITEMS.

20. ALL GRASS AREAS AFFECTED BY CONSTRUCTION SHALL BE RE–SODDED AT NO ADDITIONAL COST TO THE OWNER.

21. THE CONTRACTOR SHOULD TAKE SPECIAL NOTE OF SOIL CONDITIONS THROUGHOUT THIS PROJECT. ANY SPECIAL SHORING, SHEETING OR OTHER PROCEDURES NECESSARY TO PROTECT ADJACENT PROPERTY, PUBLIC OR PRIVATE, DURING THE EXCAVATION OF SUBSOIL MATERIAL AND EXFILTRATION TRENCH, OR FILLING OF ANY AREA, OR FOR ANY OPERATION DURING CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.

22. IF SHEETING, SHORING, OR DEWATERING, INCLUDING WELL POINTS ARE NECESSARY, THE CONTRACTOR MUST MONITOR AND CONTROL ALL WORK THAT MAY CAUSE CRACKING TO ANY ADJACENT BUILDING, STRUCTURE, OR PROPERTY AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES CAUSED BY THESE OPERATIONS. COST OF SHEETING, SHORING, OR DEWATERING SHALL BE INCLUDED IN THE RELATED BID ITEM FOR THE WORK BEING DONE.

23. IF DEWATERING IS NECESSARY, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE DEWATERING PERMIT. COST OF THE PERMIT AND DEWATERING SHALL BE INCLUDED IN THE RELATED BID ITEM FOR THE WORK BEING DONE.

24. THE CONTRACTOR WILL RESTRICT PERSONNEL, THE USE OF EQUIPMENT, AND THE STORAGE OF MATERIALS TO AREAS WITHIN THE LIMITS OF CONSTRUCTION AND DESIGNATED STAGING AREA.

25. EXPLORATORY OR PRE–TRENCHING IN THE ALIGNMENT AND GRADE OF PROPOSED PIPES STRUCTURES, FRENCH DRAINS, CONDUITS, POLE FOUNDATIONS AND/OR SUB–GRADE SHALL BE PERFORMED SEVEN DAYS IN ADVANCE OF ITS CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE UNDERGROUND UTILITY OWNERS AND THE DEPARTMENT WITH IMMEDIATE NOTIFICATION OF ANY CONFLICT WITH PROPOSED CONSTRUCTION. THIS NOTIFICATION SHALL PROVIDE SURVEY INFORMATION ABOUT EXISTING UTILITY ALIGNMENT, GRADE AND POSSIBLE CONFLICTS. PAYMENT FOR EXPLORATORY OR PRE–TRENCHING, SURVEY AND BACKFILLING SHALL BE INCLUDED IN THE COST OF THE RELATED BID ITEM FOR THE WORK BEING DONE.

26. ALL DITCH EXCAVATIONS SHALL BE PERFORMED IN FULL COMPLIANCE WITH THE PROVISIONS OF THE TRENCH SAFETY ACT.

27. ALL EXCESS MATERIAL, AS DESIGNATED BY THE ENGINEER, IS TO BE DISPOSED BY THE CONTRACTOR IN AREAS PROVIDED BY HIM WITHIN 72 HOURS OF BEING DEPOSITED IN THE CONSTRUCTION AREA AND AT THE CONTRACTOR'S EXPENSE.

28. ALL DISPOSAL OF MATERIALS, RUBBISH, AND DEBRIS SHALL BE MADE AT A LEGAL DISPOSAL SITE OR BY OTHER PRIOR APPROVED MANNER. MATERIAL CLEARED FROM THE SITE AND DEPOSITED ON ADJACENT OR NEARBY PROPERTY WILL NOT BE CONSIDERED AS HAVING BEEN DISPOSED OF SATISFACTORILY.

29. ANY KNOWN OR SUSPECTED HAZARDOUS MATERIAL FOUND ON THE PROJECT BY THE CONTRACTOR SHALL BE IMMEDIATELY REPORTED TO THE PROJECT ENGINEER, WHO SHALL DIRECT THE CONTRACTOR TO PROTECT THE AREA OF KNOWN OR SUSPECTED CONTAMINATION FROM FURTHER ACCESS. THE ENGINEER WILL ARRANGE FOR INVESTIGATION, IDENTIFICATION, AND REMEDIATION OF THE HAZARDOUS MATERIAL. THE CONTRACTOR SHALL NOT RETURN TO THE AREA OF CONTAMINATION UNTIL APPROVAL IS PROVIDED BY THE PROJECT ENGINEER.

30. EXISTING ABOVE GROUND FEATURES ARE SHOWN ACCORDING TO THE BEST AVAILABLE DATA AND MAY NOT ACCURATELY REFLECT PRESENT CONDITIONS. CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH CURRENT SITE CONDITIONS, AND SHALL REPORT DISCREPANCIES TO THE ENGINEER PRIOR TO STARTING WORK.

31. CONTRACTOR IS TO VERIFY THE EXACT LOCATION OF ALL EXISTING TREES, STRUCTURES AND UTILITIES, WHICH MAY NOT BE SHOWN ON PLANS. ANY STRUCTURE, PAVEMENT, TREES OR OTHER EXISTING IMPROVEMENT NOT SPECIFIED FOR REMOVAL WHICH IS TEMPORARY DAMAGED, EXPOSED OR IN ANY WAY DISTURBED BY CONSTRUCTION PERFORMED UNDER THIS CONTRACT, SHALL BE REPAIRED, PATCHED OR REPLACED AT NO ADDITIONAL COST TO THE OWNER.

32. CONTRACTOR TO RELOCATE TREES AS DIRECTED BY THE LANDSCAPE ARCHITECT. CONTRACTOR SHALL AVOID DAMAGE TO ANY EXISTING TREES TO REMAIN. EXISTING TREES SHALL BE REMOVED ONLY IF REQUIRED FOR CONSTRUCTION. THOSE TREES NOT INTERFERING WITH CONSTRUCTION SHALL BE PROTECTED IN PLACE. 2

33. THE CONTRACTOR SHALL USE A STREET SWEEPER (USING WATER) OR OTHER EQUIPMENT CAPABLE OF CONTROLLING AND REMOVING DUST. APPROVAL OF THE USE OF SUCH EQUIPMENT IS CONTINGENT UPON ITS DEMONSTRATED ABILITY TO DO THE WORK.

34. THE CONTRACTOR SHALL PREPARE AND SUBMIT SHOP DRAWINGS FOR ALL ITEMS USED IN THIS PROJECT.

35. WHEN DISSIMILAR MATERIAL CONNECTIONS ARE MADE, SUCH AS CONCRETE TO METAL, THE DISSIMILAR MATERIAL SHALL BE SEPARATED BY COATING THE CONTACT SURFACE WITH BITUMASTIC MATERIAL.

36. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING EXISTING AND NEW INLETS CLEAN OF MILLING MATERIAL, LIMEROCK, DEBRIS, ETC. DURING THE CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER. ALL LINES AND STRUCTURES SHALL BE CLEANED PRIOR TO FINAL INSPECTION AND ACCEPTANCE.

37. CAST IRON PRODUCTS: HEAVY–DUTY CLASSIFICATION SUITABLE FOR HIGHWAY TRAFFIC LOADS OR 16,000 LBS WHEEL LOADS.

38. STEEL GRATING AND COVERS: TRAFFIC CLASSIFICATION H–20; 16,000 LBS OVER 8"X20" AREA.

39. EXISTING DRAINAGE STRUCTURES AND PIPES WITHIN THE LIMITS OF CONSTRUCTION SHALL BE REMOVED UNLESS OTHERWISE NOTED.

40. EXISTING MANHOLES AND INLETS SCHEDULED TO REMAIN SHALL BE THOROUGHLY CLEANED BY REMOVING ALL DEBRIS AND SEDIMENTS, AND THE INTERIOR SHALL BE SEALED WITH AN APPROVED NON–TOXIC BITUMASTIC SEALANT.

41. PRIOR TO CONSTRUCTION THE CONTRACTOR WILL INSPECT ALL EXISTING STRUCTURES WHICH ARE TO REMAIN AND NOTIFY THE ENGINEER OF ANY OBVIOUS STRUCTURAL DEFICIENCIES.

42. CONTRACTOR SHALL ADJUST ALL EXISTING CATCH BASINS, GRATES, AND STORM MANHOLE COVERS TO MEET NEW GRADES WHERE APPLICABLE.

43. ELEVATIONS AND OFFSETS SHOWN AT DRAINAGE STRUCTURES REFER TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

44. RADII ON CURB RETURNS ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

45. PRIOR TO CONSTRUCTION THE CONTRACTOR WILL VERIFY INVERT ELEVATIONS OF ALL PIPES WHICH ARE TO REMAIN AND NOTIFY THE ENGINEER OF ANY ELEVATION DEVIATIONS.

46. THERE SHALL BE NO MORE THAN THREE LATERAL DRAINAGE INSTALLATIONS WITHOUT BACKFILLING. BACKFILLING OF LATERAL DRAINAGE SHALL NOT LAG MORE THAN 72 HOURS BEHIND THE START OF EXCAVATION.

47. SPECIAL ATTENTION IS DIRECTED TO THE FACT THAT PORTIONS OF SOME DRAINAGE STRUCTURES EXTEND INTO THE STABILIZED PORTION OF THE ROADBED AND EXTREME CAUTION SHOULD BE USED IN THE STABILIZING OPERATIONS AT THESE LOCATIONS.

48. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROVISION, INSTALLATION, AND MAINTENANCE OF ALL TRAFFIC CONTROL AND SAFETY DEVICES, IN ACCORDANCE WITH SPECIFICATIONS OUTLINED IN THE PUBLIC WORKS DEPARTMENT MANUAL, THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND THE FDOT DESIGN STANDARDS.

49. WHERE NEW PAVEMENT MEETS EXISTING, CONNECTION SHALL BE MADE IN A NEAT STRAIGHT LINE AND FLUSH WITH THE EXISTING PAVEMENT.

50. THE LOCATION OF SOME DRIVEWAYS IS APPROXIMATE. VERIFICATION OF EXACT LOCATION AND DIMENSIONS IS RECOMMENDED.

51. EXISTING DRIVEWAYS WITHIN THE LIMITS OF THIS PROJECT ARE TO BE REPLACED AT THE SAME LOCATION AND WIDTH, UNLESS OTHERWISE SHOWN IN PLANS.

52. WHERE CONNECTIONS TO EXISTING SIDEWALKS AND DRIVEWAYS ARE NOT INDICATED ON PLANS, PROPER CONNECTIONS ARE TO BE MADE AS DIRECTED BY THE ENGINEER. DROP CURB AND DRIVEWAY CONNECTIONS SHALL BE PROVIDED FOR ACCESS TO ALL PRIVATE PROPERTIES ADJACENT TO THE PROJECT. PAYMENT SHALL BE INCLUDED IN THE COST OF RELATED BID ITEMS.

53. CONTRACTOR TO INSTALL ½" PREFORMED EXPANSION JOINT WHEN PROPOSED SIDEWALK IMPROVEMENTS IS IMMEDIATELY ADJACENT TO EXISTING CONCRETE SLAB, CBS/ CONCRETE WALL, AND/OR BUILDING.

54. THE SIDEWALK AT DRIVEWAY TURNOUTS SHALL BE 6" THICK CONCRETE.

55. ALL BUS STOP SIGNS TO BE FURNISHED BY MIAMI–DADE TRANSIT. ENGINEER TO CONTACT MIAMI–DADE COUNTY TRANSIT AT (305) 637–3753 ONE (1) WEEK PRIOR TO POURING SIDEWALKS AND COORDINATE THE REMOVAL AND REPLACEMENT OF BUS STOP SIGNS AND BENCHES. REFER TO NOTE 72 ON THIS SHEET.

56. COMPLETE AS–BUILT INFORMATION RELATIVE TO LOCATION AND DEPTH OF PIPES, MANHOLES, ETC. SHALL BE ACCURATELY RECORDED BY THE CONTRACTOR AND SUBMITTED TO THE ENGINEER PRIOR TO FINAL ACCEPTANCE OF THE WORK. ALL ELEVATIONS SHALL BE TAKEN BY A FLORIDA REGISTERED SURVEYOR AND SHOWN ON THE RECORD DRAWINGS.

57. DESIGN WATER TABLE ELEVATION IS THE AVERAGE OCTOBER GROUND WATER ELEVATION CORRESPONDING TO 3.01 FEET NGVD (PROJECTED 2025).

58. MIAMI–DADE COUNTY FLOOD CRITERIA ELEVATION: 6.60 FEET NGVD FOR THE SOUTH END OF THE PROJECT AND 6.80 FEET NGVD FOR THE NORTH END, THIS SECTION OF NW 87 AVE. IS LOCATED WITHIN FLOOD ZONE "AE" WITH A BASE FLOOD ELEVATION OF 6.00' AT THE SOUTH END OF THE PROJECT AND ELEVATION 7.00' AT THE NORTH END. 3

59. THE INFORMATION PROVIDED IN THESE DRAWINGS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF CONDITIONS WHICH WILL BE ENCOUNTERED DURING THE COURSE OF WORK. THE CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSION REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH BIDS WILL BE BASED.

60. ALL FENCES ALONG THE PROJECT PROPERTY LINE ARE TO REMAIN UNLESS OTHERWISE SHOWN IN PLANS.

61. STABILIZED SUBGRADE UNDER CONCRETE DRIVEWAY SHALL BE COMPACTED TO A MINIMUM OF 98% OF THE MAXIMUM DRY DENSITY TO A DEPTH OF AT LEAST 12 INCHES. THE STABILIZED SUBGRADE SHALL HAVE AN LBR OF 40 AND BE PLACED APPROXIMATELY 1 FOOT BELOW THE BASE COURSE. THE BASE COURSE WILL RANGE FROM APPROXIMATELY 6 TO 8 INCHES, AND SHALL HAVE A MINIMUM LBR OF 100.

62. BASE COURSE OF ASPHALT DRIVEWAY SHAL BE 6" THICK AND COMPACTED NOT LESS THAN 98% OF THE T–180. SUBGRADE SHALL BE COMPACTED TO 100% OF THE AASHTO T–99 OR 98% OF THE T–180.

63. EXISTING HAND HOLES SHALL BE ADJUSTED TO FINAL GRADES.

64. SIGNS SHALL BE INSTALLED ACCORDING TO FDOT STANDARD INDEX 700–101.

65. REFLECTIVE PAVEMENT MARKERS SHALL BE REPLACED ACCORDING TO FDOT STANDARD INDEX 706–001.

66. PEDESTRIAN TRAFFIC SHALL BE CONTROLLED WITH FDOT STANDARD INDEX 102–660.

67. PERMANENT STRIPING SHALL BE THERMOPLASTIC AND PUT DOWN ACCORDING TO FDOT STANDARD INDEX 711–001.

68. SIDEWALK WITHIN FDOT ROW SHALL BE CONSTRUCTED WITH FULL 4" FLAGS AND EXPANSION JOINTS AND DETECTABLE DOMES FOR HANDICAP RAMPS ACCORDING TO FDOT STANDARD INDEX 520–001, 522–001 & 522–002. 2

69. TO SAFEGUARD THE PUBLIC HEALTH, SAFETY AND WELFARE, THE DESIGN STANDARDS, PROCEDURES, AND CONSTRUCTION MATERIALS WERE SELECTED BASED ON THE RESULTS OF AN ENVIRONMENTAL DUE DILIGENCE REVIEW OF PUBLIC RECORDS PERFORMED PURSUANT TO STATE AND LOCAL REGULATIONS WITH RESPECT TO SOIL AND GROUNDWATER CONTAMINATION. NO PORTION OF THE PROPOSED WATER TRANSMISSION, OR DISTRIBUTION SYSTEM OR RELATED CONNECTIONS WILL BE INSTALLED THROUGH OR IN ANY AREA KNOWN TO BE CONTAMINATED, INCLUDING CONTAMINATED SOIL OR CONTAMINATED GROUNDWATER, OR BURIED SOLID WASTE; NEVERTHELESS, ADEQUATE PRECAUTIONS SHALL BE TAKEN DURING CONSTRUCTION. IF CONTAMINATED GROUNDWATER OR CONTAMINATED SOIL IS ENCOUNTERED DURING INSTALLATION OF THE WM, THE WORK WITHIN THESE AREAS SHALL CEASE, AND THE RER–DERM POLLUTION CONTROL DIVISION SHALL BE NOTIFIED. ADDITIONALLY, IF CONTAMINATION IS ENCOUNTERED ADEQUATE MEASURES SHALL BE IMPLEMENTED, INCLUDED BUT NOT LIMITED TO. 5

1. ALL JOINTS SHALL BE EQUIPPED WITH @VITON "O" GASKETS.
2. LINE THE TRENCH WITH IMPERMEABLE MEMBRANE.
3. ONLY CLEAN UNCONTAMINATED SOIL SHALL BE USED FOR BACKFILLING; ANY CONTAMINATED SOIL SHALL BE PROPERLY DISPOSED OF.

UTILITY NOTES

70. ANY NEW LIGHTING AND SIGNAL TRAFFIC POLE SHOULD BE LOCATED 5 FT. MINIMUM (FROM POLE'S CENTER TO PIPE'S FACE) FROM ANY UTILITIES (MANHOLES & PIPES) TO AVOID A POSSIBLE DAMAGE TO THE UTILITIES AND ALLOW SPACE FOR POLE'S EXCAVATION AND INSTALLATION.

71. ANY NEW STORM PIPE SHOULD BE A MINIMUM OF 6" INCHES OF VERTICAL DISTANCE FROM ANY EXISTING WATER MAIN WHEN CROSSING UNDER THE WM AND 12" MINIMUM IF CROSSING OVER THE WATERMAIN.

72. ANY NEW STRUCTURE SHOULD BE A MINIMUM OF 3 FT. HORIZONTAL DISTANCE FROM UTILITY LINES AND MANHOLES ALLOWING THE APPROPRIATE SPACE DURING NEW STRUCTURES EXCAVATION AND INSTALLATION. THE UTILITIES MUST BE PROTECTED.

73. ANY NEW STORM PIPE SHOULD BE A MINIMUM OF 5 FT. HORIZONTAL DISTANCE (BETWEEN PIPE'S SIDEWALL) FROM ANY UTILITY LINE(S) WHEN THE STORM PIPES ARE RUNNING PARALLEL TO UTILITY LINES.

74. PROTECT UTILITIES FOR EXCAVATION AND INSTALLATION OF NEW STORM STRUCTURES ADJACENT TO SEWER UTILITIES; ALTHOUGH A MINIMUM DISTANCE IS NOT ESTABLISHED, LEAVE THE APPROPRIATE SPACE (MIN. 3 FT.) TO ALLOW THE STRUCTURES INSTALLATION WITHOUT DAMAGE TO THE UTILITIES LINES. SPECIAL MEASURES SHOULD BE TAKEN.

75. IN ADDITION TO THE TOP OF PIPE AND INVERT ELEVATIONS SHOWN IN THE ASBUILTS AND REVIEW COMMENTS, THE DESIGNER SHOULD COORDINATE HIS/HER DESIGN WITH ANY PIPING PROTECTIVE SLAB SHOWN IN THE ASBUILTS AND THE UTILITY PIPES THICKNESS FOR LARGE PIPES.

76. GUARDRAILS AND GUARDRAILS POSTS SHOULD BE LOCATED 5 FT. (RECOMMENDED) OR MINIMUM 3 FT. AWAY FROM ANY UTILITY PIPE'S FACE TO AVOID DAMAGE TO UTILITIES DURING EXCAVATION AND INSTALLATION OF POSTS.

BUS STOPS, BENCHES, AND SHELTERS

77. THE CONTRACTOR IS ADVISED THAT THE FOLLOWING CONTACT INFORMATION IS PROVIDED FOR NECESSARY COORDINATION WITH THE RELOCATION AND/OR REMOVAL OF BUS BENCHES, BUS SHELTERS AND BUS ROUTE SIGNS. CONTACT MR. RICARDO AQUILAR AT 305–889–6743 FOR MDT SIGNS OR BENCHES. CONTACT MR. GLENN LEBLANC AT 786–469–5364 AND/OR SHELTER CONTRACTOR CEMUSA, MIAMI LTD. RAONEL RODRIGUEZ AT 305–500–9993 EXT. 110 FOR BUS SHELTERS LOCATED WITHIN UNINCORPORATED MIAMI–DADE COUNTY. CONTACT MS. ARELYS GUZMAN AT 305–416–1227 AND/ OR FUEL OUTDOOR, MARCELO TOUCHEDA OR PABLO CREMASCHI AT 866–685–3835 CONTRACTOR FOR BUS BENCH/ SHELTER LOCATED WITHIN THE CITY OF MIAMI.

ADA COMPLIANCE NOTES

78. PEDESTRIAN CURB–CUTS AND SIDEWALK CONNECTORS TO BE CONSTRUCTED ACCORDING TO THE FOLLOWING MANDATES: FDOT DESIGN STANDARDS INDEX 0304, 310 AND 515 DOJ CODE OF FEDERAL REGULATIONS 28 CRF PART 36 DWS MUST BE PER MIAMI–DADE COUNTY POLICY – SAFETY YELLOW.

1. ALL MATERIALS AND LABOR UNDER THIS PROJECT SHALL BE IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF THE MIAMI–DADE WATER AND SEWER DEPARTMENT AND SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS AVAILABLE AND ON FILE WITH THE DEPARTMENT. SUBMIT SHOP DRAWINGS FOR ALL MATERIALS.
2. COVER OVER WATER OR SEWER FORCE MAINS SHALL BE 4'–0" MIN.
3. ALL MAIN LINE VALVES SHALL BE INSTALLED COMPLETE WITH 10" RISER PIPES AND NO. 3 OR 53 VALVE BOXES FIRE HYDRANTS AND SERVICE VALVES SHALL BE INSTALLED COMPLETE WITH 6" RISER PIPES AND NO. 2 VALVE BOXES.
4. ALL FORCE MAIN SERVICE CONNECTIONS INTO PRESSURE TRANSMISSION MAINS SHALL HAVE A SHUT OFF VALVE AND CHECK VALVE AT THE POINT OF ENTRY.
5. ALL GRAVITY SYSTEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH DEPARTMENT STANDARDS.
6. ALL WATER METERS WILL BE INSTALLED BY THE MIAMI–DADE WATER AND SEWER DEPARTMENT, PROVIDING THE APPROPRIATE CHARGES HAVE BEEN PREPAID.
7. FIRE HYDRANT REQUIREMENTS (NUMBER AND LOCATION) SHALL BE AS REQUIRED BY MIAMI–DADE COUNTY FIRE DEPARTMENT OR THE APPROPRIATE FIRE AGENCY WITH INSTALLATION IN ACCORDANCE WITH DEPARTMENT STANDARDS.
8. CONTRACTOR MUST CALL MDWASD INSPECTION DIVISION TO ARRANGE FOR A PRECONSTRUCTION MEETING 2 FULL BUSINESS DAYS PRIOR TO PROPOSED START OF CONSTRUCTION. CONTACT ONE CALL CENTER 48 HRS PRIOR TO EXCAVATION.
9. CONTRACT INSPECTOR WILL INSPECT ANY FACILITIES APPROVED BY THE DEPARTMENT. ALL OTHER REQUIREMENTS OF THE PERMITTING AGENCY SHALL BE IN ACCORDANCE WITH THEIR STANDARDS AND REQUIREMENTS.
10. WORK PERFORMED UNDER THIS PROJECT WILL NOT BE CONSIDERED AS COMPLETE UNTIL FINAL ACCEPTANCE OF THE SYSTEM BY THE DEPARTMENT AND UNTIL THE FOLLOWING DOCUMENTS ARE RECEIVED AND APPROVED BY THE DEPARTMENT:
   a. EASEMENTS, IF REQUIRED
   b. i. CONTRACTOR'S WAIVER AND RELEASE OF LIEN
   c. ABSOLUTE BILL OF SALE
   d. i. CONTRACTOR'S LETTER OF WARRANTY (I.E., LETTER AGREEMENT)
      ii DEVELOPER'S CONTRACT BOND (I.E., CONTRACT AGREEMENT).
   e. "RECORD DRAWING" PRINTS (24"x 36") SHOWING SPECIFIC LOCATIONS, DEPTH, ETC. OF ALL WATER AND SEWER FACILITIES AS LOCATED BY A LICENSED SURVEYOR & MAPPER, ALONG WITH PRINTS OF "RECORD DRAWINGS" WHICH HAVE BEEN SIGNED AND SEALED BY A REGISTERED SURVEYOR & MAPPER (No. OF PRINTS: 3–FOR WATER, 4–FOR GRAVITY SEWER AND 5–FOR FORCE MAIN OR PUMP STATION PROJECTS). Submittal of final CAD Files required.
   f. H.R.S. LETTER OF RELEASE REQUIRED FOR ALL WATER PROJECTS
   g. BILL OF SALE SKETCH (8½"x 11") FOR WATER AND SEWER, SEPARATELY
11. ALL NEW CONNECTIONS FROM EXISTING DEPARTMENT MAINS TO BE MADE BY DEPARTMENT FORCES ONLY. THE CONTRACTOR TO EXCAVATE AT REQUIRED LOCATIONS, PROVIDE AND INSTALL MATERIAL WITH FITTINGS, PRIOR TO TAP.
12. AN APPROVED PAVING AND DRAINAGE PLAN MUST BE SUBMITTED TO MDWASD FOR ALL NEW SUBDIVISIONS PRIOR TO APPROVAL OF WATER AND SEWER PERMIT PLANS, UPON REQUEST.
13. UNLESS OTHERWISE SPECIFIED, ALL TAPS 20 INCHES AND SMALLER FOR CONNECTIONS TO EXISTING MAINS WILL BE DONE BY DEPARTMENT FORCES. UNDER NO CIRCUMSTANCES WILL THE CONTRACTOR BE PERMITTED TO TAP EXISTING MAINS IN THE SIZE RANGE SPECIFIED ABOVE. THE TAPPING SLEEVE AND TAPPING VALVE ARE FURNISHED AND INSTALLED BY THE CONTRACTOR UNDER THE SUPERVISION OF THE INSPECTOR.

ITEM	CROSS REF.	SPEC. REF.

ISSUE DATE	APPROVED BY
03/01/2010	V.F.C.
07/20/2016	D.V.

STANDARD DETAIL
STANDARD REQUIREMENTS WATER AND SEWER CONSTRUCTION
GS 0.5 SHEET 1 of 2

1. AT THE COMPLETION OF ANY WATER AND SEWER JOB EITHER DONATION OR CONTRACT, THE CONTRACTOR SHALL SUBMIT:
   a. RECORD DRAWING PRINTS WHICH HAVE BEEN SIGNED AND SEALED BY A FLORIDA LICENSED PROFESSIONAL SURVEYOR AND MAPPER (QTY. OF PRINTS AS REQUIRED BY THE DEPARTMENT).
2. "RECORD DRAWING" FORMAT:
   a. 24"x 36" PRINTS
   b. PDF FILE
   c. CADD FILE (DWG OR DXF) ROTATED AND TRANSLATED TO STATE PLANE COORDINATES NAD 83 FLORIDA EAST ZONE
   d. THE WORDS "RECORD DRAWING" IN LARGE LETTERS
   e. TITLE BLOCK WITH DEPARTMENT DS, DW OR ER NUMBER AND PERTINENT INFORMATION
   f. PREFERRED SCALE TO BE 1"= 40' HORIZONTALLY AND 1

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N

0 10 20
SCALE: 1"= 10

LEGEND

CLEARING AND GRUBBING

DEMOLISH

NOTE:

1. EXISTING TREES IN FDOT RIGHT-OF-WAY TO CONDUCT PROTECTION PER FDOT STANDARD INDEX 110-100.

END RE-STRIPING

WEST DRIVE

CHAIN LINK FENCE

CURBING (TYPICAL)

5' SIDEWALK

EXISTING FPL POLE TO BE RELOCATED

DEMOLISH EXISTING CURB

2 SPACES

R=449.00'
Δ=07°39'25"
L=60.00'

3 PARKING SPACES

R/W

10.00' FPL EASEMENT

DEMOLISH EXISTING CURB

EXISTING UTILITY POLE TO BE REMOVED (TYP).

CONTRACTOR TO COORDINATE WITH UTILITY OWNER (BREEZELINE) TO RELOCATE EXISTING WOODEN POLE

DEMOLISH EXISTING SIDEWALK

BEGIN RE-STRIPING

RELOCATE EXISTING SIGN. REFER TO SHEET C5 FOR NEW LOCATION

4 PARKING SPACES

R=449.00'
Δ=20°34'13"
L=161.20'

ASPHALT PAVEMENT

DEMOLISH EXISTING CURB

CUT, GROUT AND CAP EXISTING SANITARY SEWER TO BE ABANDONED

FOLIO #23-3209-001-0061

DEMOLISH ENCROACHING CURB AND PAVERED DRIVEWAY UP TO PROPERTY LINE

DEMOLISH EXISTING CURB

FOLIO #23-3209-001-0060

REMOVE EXISTING MANHOLES & ALL UNDERGROUND STRUCTURES

SEWER MANHOLES NO VISIBLE PIPES

CONTRACTOR TO COORDINATE WITH UTILITY RELOCATION OF EXIST. SIGN.

PEDESTRIAN LIGHTING POLE TO BE REMOVED. PULL WIRE BACK TO NEAREST PULLBOX AND CAP AND SPLICE

SAWCUT AND REMOVE EXISTING TYPE-F CURB AND SIDEWALK REPLACE WITH NEW CONCRETE DRIVEWAY APPROACH. MATCH EXISTING ELEVATIONS. PROTECT EXIST. TRANSFORMER EQUIPMENT FROM DAMAGE DURING DEMOLITION OF SIDEWALK

DEMOLISH EXISTING CURB

EXISTING MONUMENT SIGN TO BE REMOVED

EXISTING WALL & FOOTING SECTION TO BE DEMOLISHED

CAP ALL EXISTING IRRIGATION LINES AND ADJUST FOR PROPOSED IMPROVEMENTS.

EXISTING PEDESTRIAN SIGNAL PEDESTAL TO REMAIN.

113.45'

EXISTING WALL & FOOTING SECTION AT NEW DRIVE TO BE DEMOLISHED

EXISTING INLET TO REMAIN. PROTECT INLET & DRAINAGE STRUCTURE FROM DAMAGE DURING DEMOLITION

PROTECT AND PRESERVE EXISTING LANDSCAPE LIGHTING. ADJUST FOR PROPOSED LANDSCAPE-SEE LANDSCAPE PLANS.

EXISTING MAST ARM TO REMAIN.

EXISTING PULL-BOXES TO BE REPLACED.

EXISTING DETECTABLE WARNINGS TO BE REMOVED AND REPLACED.

CATCH BASIN
GRATE EL= +4.61
INV EL= 0.54(S)
18" PIPE

SEWER VALVE MANHOLE

TRAFFIC SIGNAL SUPPORT ARM

9' WALK, CURB & GUTTER

EXISTING CONCRETE DRIVEWAY TO BE REMOVED. CONSTRUCT NEW SIDEWALK AND TYPE-F CURB AND GUTTER. MATCH EXISITING ELEVATIONS AND FLOW LINE.

MEDIAN DIVIDER

N.E. 79TH. STREET / JOHN F. KENNEDY CAUSEWAY / STATE ROAD NO. 934

HARBOR ISLAND DRIVE

PLAN VIEW
SCALE : 1"=10'

DESIGN ARCHITECT
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AA002416 EB 002354

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WADDIE D. RUIZ, P.E.
No. 62714
STATE OF FLORIDA
PROFESSIONAL ENGINEER

WADDIE D. RUIZ, P.E.
LIC. NO. 62714
This item has been digitally signed & sealed by Waddie D. Ruiz, P.E. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

7/30/2024 9:10:27 AM

Project Number
WJ 2312 / WA 22303.0

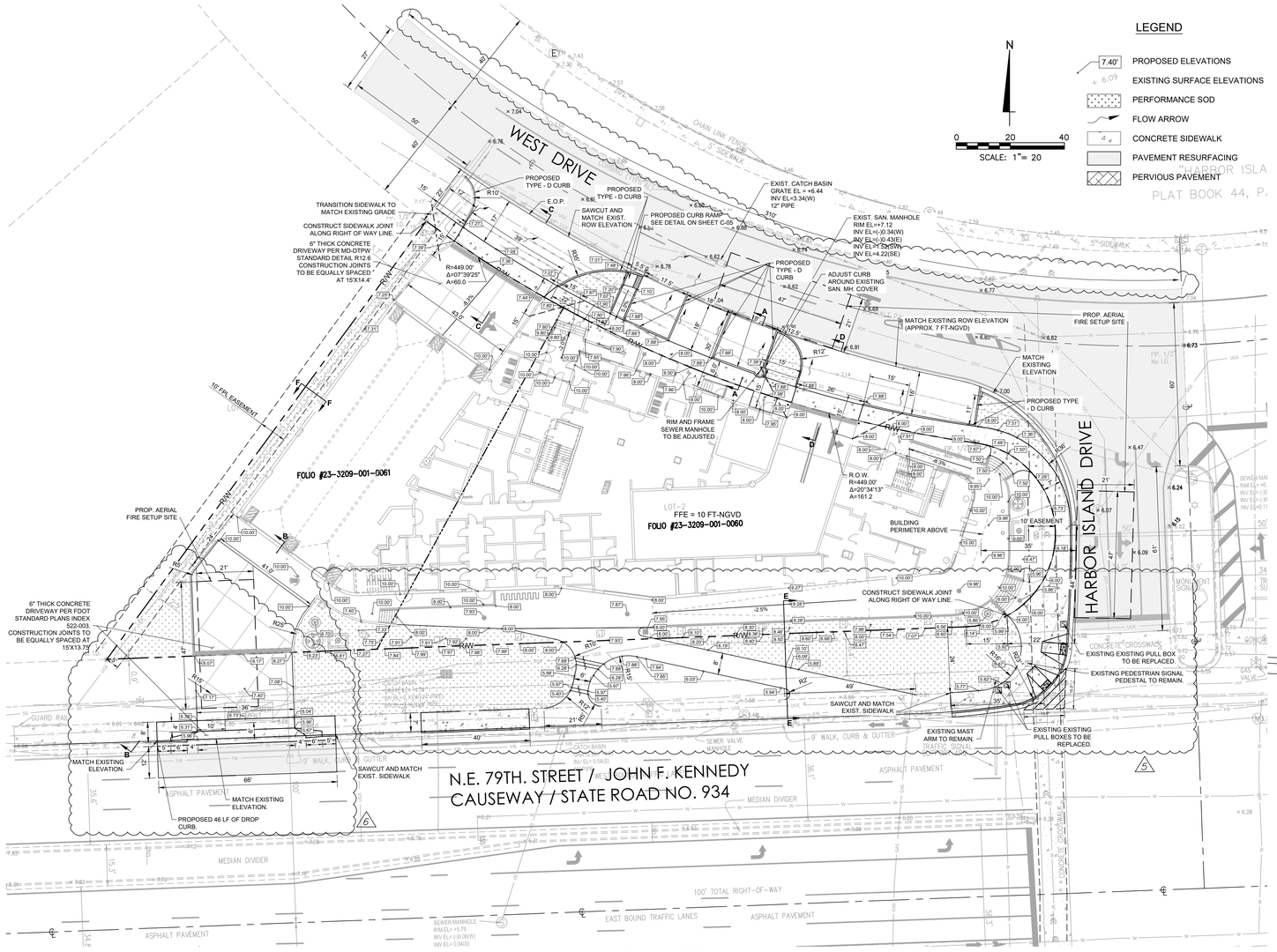
DISTRIBUTION
08-01-2024

REV	DESCRIPTION	DATE
1	REV #2	12/20/2024
2	REV #5	08/14/2025
3	REV #6	10/27/2025

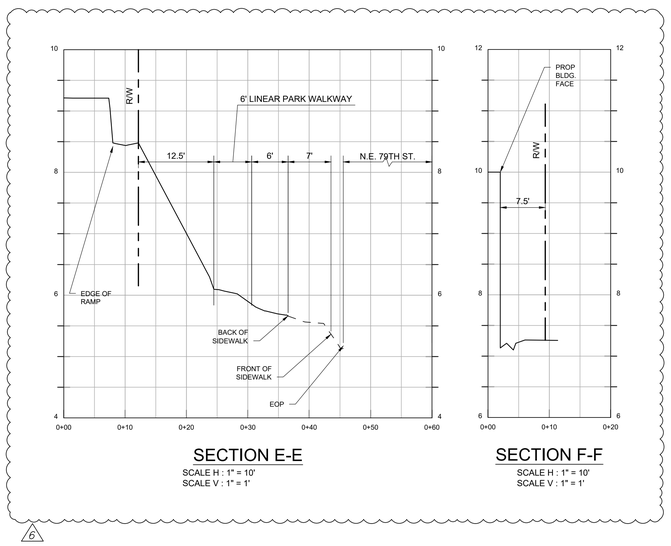
DEMOLITION PLAN

C-02

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



PLAN VIEW
SCALE : 1" = 20'



SECTION E-E
SCALE H : 1" = 10'
SCALE V : 1" = 1'

SECTION F-F
SCALE H : 1" = 10'
SCALE V : 1" = 1'

NOTE:

1. PRESSURE CLEANING WITHOUT DETERGENTS IS ALLOWED WITHIN THE PARKING GARAGE ON ALL FLOORS
2. CONCRETE PAVING TO BE COLORED WITH SRI > 35
3. DRIVEWAY DIMENSIONS SHALL AS SHOWN ON THIS SHEET AND CONSTRUCTED ACCORDING TO THE INDEX 330-001, PLAN A, B AND CONSTRUCTED WITH CLASS I NONSTRUCTURAL CONCRETE - 3000 PSI.
4. PAVEMENT RECONSTRUCTION ALONG N.E. 79TH ST SHALL CONSIST OF FRICTION COURSE FC-9.5 (1.25", TRAFFIC C, PG 76-22), TYPE SP STRUCTURAL COURSE (2", TRAFFIC C), AND OPTIONAL BASE 9.
5. CONTRACTOR TO COORDINATE PERVIOUS MATERIAL FOR LINEAR PARK PAVEMENT WITH ARCHITECT.
6. PROPOSED SIDEWALK ELEVATION TO MATCH EXISTING MAST ARM FOUNDATION ELEVATION.
7. ANY UTILITY OVERHEAD LINE ON THE NORTH SIDE OF THE PROPERTY WILL BE REMOVED AND RELOCATED UNDERGROUND AS PER DEMOLITION PLANS C-02 & AD-100

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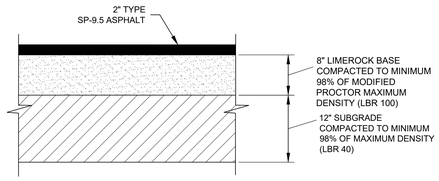
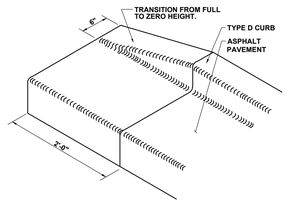
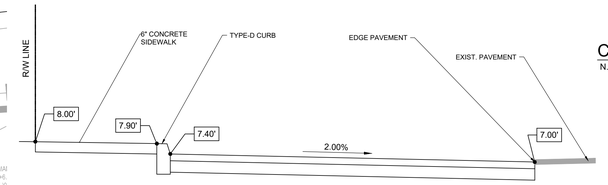
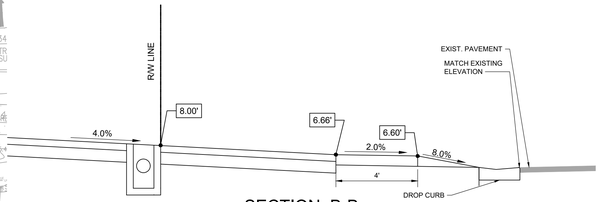


ASPHALT PAVEMENT RECONSTRUCTION DETAIL
N.T.S. (ALONG WEST DRIVE AND HARBOR ISLAND DRIVE)

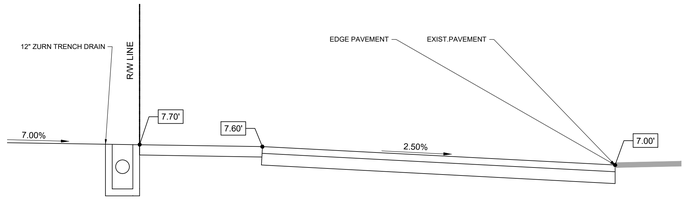




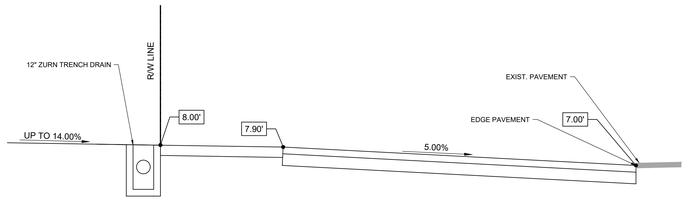
SECTION A-A
N.T.S.



SECTION B-B
N.T.S.

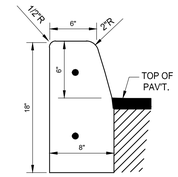


SECTION C-C
N.T.S.



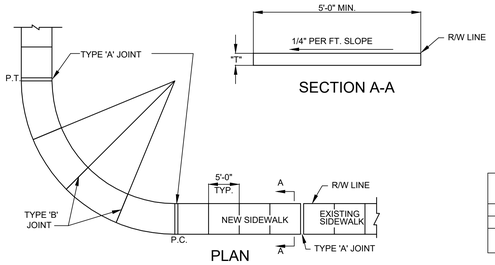
SECTION D-D
N.T.S.

CURB TRANSITION DETAIL
N.T.S.



CURB & GUTTER OR CURB SHALL BE CONSTRUCTED IN SECTIONS NOT TO EXCEED 50' IN LENGTH WITH 1/8" TO 1/4" OPEN EXPANSION JOINT BETWEEN EACH SECTION, AND CONTRACTION JOINTS AT 10' INTERVALS.

6" CURBS (TYPE "D")
N.T.S.



PLAN
SECTION A-A
TYPE 'A' | TYPE 'B' | TYPE 'C'

SIDEWALK JOINTS

TABLE OF SIDEWALK THICKNESS-'T'	
LOCATION	"T"
RESIDENTIAL AREAS	4"
AT DRIVEWAYS & OTHER AREAS	6"

TABLE OF SIDEWALK JOINTS	
TYPE	LOCATION
'A'	P.C. AND P.T. OF CURVES. JUNCTION OF EXISTING AND NEW SIDEWALKS.
'B'	5'-0" CENTER TO CENTER ON SIDEWALKS.
'C'	WHERE SIDEWALK, ABUTS CONCRETE CURBS, DRIVEWAYS, AND SIMILAR STRUCTURES.

SIDEWALK CONSTRUCTION
N.T.S.

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Waddie Ruiz, P.E. License No. 62714

WADDIE D. RUIZ, P.E. No. 62714 STATE OF FLORIDA PROFESSIONAL ENGINEER

WADDIE D. RUIZ, P.E.
LIC. NO. 62714
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

7/30/2024 9:10:27 AM

Project Number
WJ 2312 / WA 22303.0

DISTRIBUTION
08-01-2024

REV	DESCRIPTION	DATE
4	REV #2	12/20/2024
5	REV #3	03/18/2025
6	REV #5	08/14/2025
7	REV #6	10/27/2025

PAVING & GRADING PLAN

C-03

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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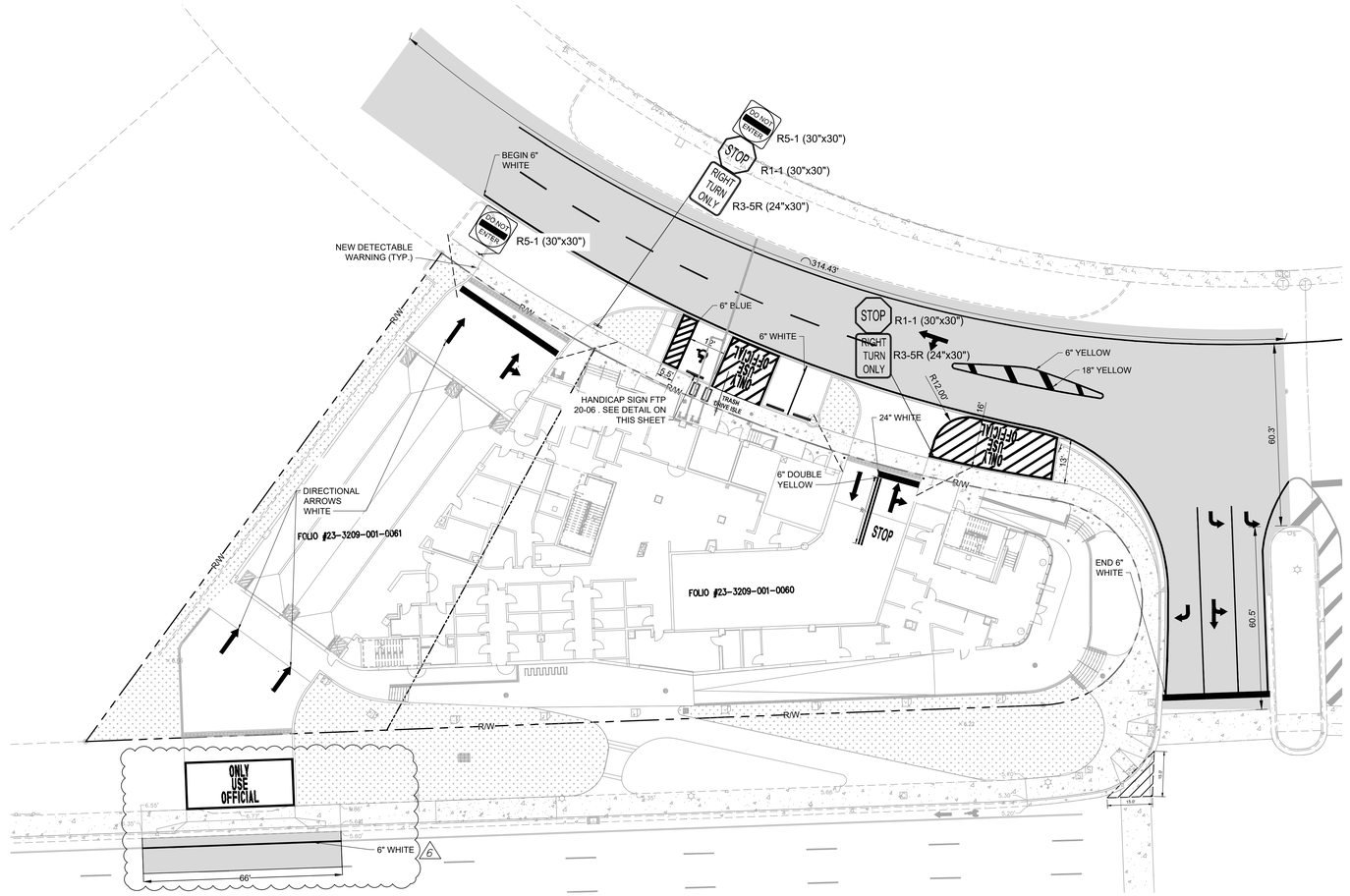
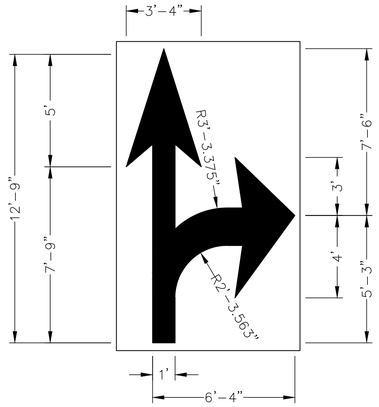
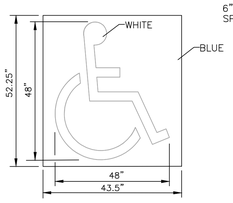
0 10 20
SCALE: 1"= 10



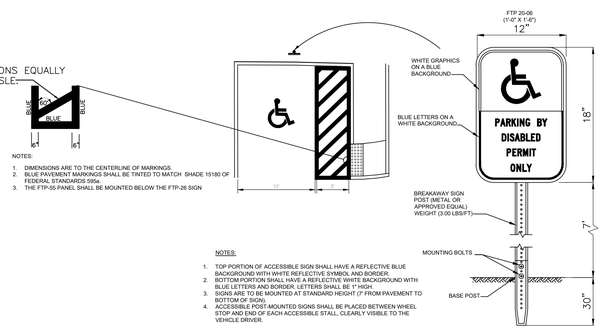
PLAN VIEW
SCALE : 1"=20'



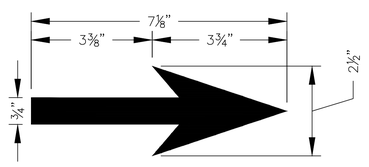
TURN AND THROUGH LANE-USE ARROW (29 .S.F.)
N.T.S.



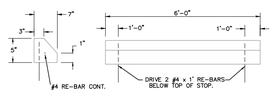
HANDICAP PAVEMENT MARKING SYMBOL
N.T.S.



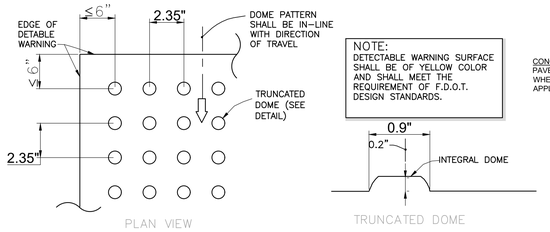
TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILD
PAVEMENT MARKING DETAIL FOR HANDICAP PARKING AREA
N.T.S.



NOTES:
1. ALIGN FRONT OF WHEEL STOP 2.5' FROM END OF STALL ON PAVED OVERHANG SPACES.
2. USE MINIMUM 3000 PSI CONC. IN 28 DAYS.
3. CONTRACTOR MAY SUBMIT ALTERNATE WHEEL STOP SECTIONS FOR APPROVAL.
4. WHEEL STOPS FOR ACCESSIBLE PARKING SPACES SHALL BE PAINTED TO MATCH SHADE 15180 OF FEDERAL STANDARDS 595A.
5. WHEEL STOPS FOR BABY STROLLER PARKING SPACES SHALL BE PAINTED TO MATCH SHADE 14062 OF FEDERAL STANDARDS 595A.

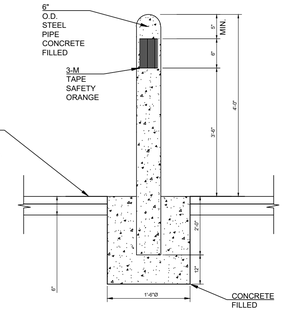


WHEEL STOP DETAIL
N.T.S.



ALL SIDEWALK CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACES THAT EXTEND THE FULL WIDTH OF THE RAMP AND IN THE DIRECTION OF TRAVEL 24 INCHES (610mm) FROM THE E.OP.

CURB RAMP DETECTABLE WARNING DETAIL
N.T.S.



6" BOLLARD DETAIL
N.T.S.

DESIGN ARCHITECT
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1	REV #6	10/27/2025

PAVEMENT MARKING PLAN

C-04

LEGEND

STORM PIPE FLOW

PERFORMANCE SOD

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N

0 10 20

SCALE: 1"= 10

WEST DRIVE

CURBING (TYPICAL)

ASPHALT PAVEMENT

CATCH BASIN
GRATE EL = +6.44
INV EL=3.34(W)
12" PIPE

(TD-0020)
CONSTRUCT 38 LF OF 12"
ZURN TRENCH DRAIN
(Z-882) OR APPROVED
EQUAL

CONST. 16 LF OF 8" HDPE
PIPE @ 9.83%

CONST. 30 LF OF 8" HDPE
PIPE @ 1.00%

(YD-0020)
CONSTRUCT 12"
NYLOPLAST YARD DRAIN

CONST. 19 LF OF 8" HDPE
PIPE @ 1.00%

(ID-0100)
CONSTRUCT 8"
NYLOPLAST INLINE DRAIN

(ID-0090)
CONSTRUCT 8"
NYLOPLAST INLINE DRAIN

CONST. 30 LF OF 8" HDPE
PIPE @ 1.00%

CONST. 11 LF OF 8" HDPE
PIPE @ 0.99%

(ID-0080)
CONSTRUCT 8"
NYLOPLAST INLINE DRAIN

(TD-0010)
CONSTRUCT 25.5 LF OF 12"
ZURN TRENCH DRAIN
(Z-882) OR APPROVED
EQUAL

CONST. 18 LF OF 8" HDPE
PIPE @ 2.86%

(ID-0040)
CONSTRUCT 8"
NYLOPLAST INLINE DRAIN

CONST. 36 LF OF 8" HDPE
PIPE @ 1.00%

(ID-0070)
CONSTRUCT 8"
NYLOPLAST INLINE DRAIN

CONST. 11 LF OF 8" HDPE
PIPE @ 1.00%

(ID-0050)
CONSTRUCT 8"
NYLOPLAST INLINE DRAIN

CONST. 15 LF OF 8" HDPE
PIPE @ 1.00%

(DD-0010)
CONSTRUCT 4'
BARRACUDA MAX VORTEX
STRUCTURE

CONST. 10 LF OF 12" HDPE
PIPE @ 0.66%

(W1-0010)
CONSTRUCT 6' DRAINAGE WELL.
CONTRACTOR SHALL ENSURE THERE
ARE NO CONFLICTS BETWEEN WALL
FOUNDATION AND EXISTING UTILITIES

(ID-0060)
CONSTRUCT 18"
NYLOPLAST INLINE DRAIN

CONST. 13 LF OF 18" HDPE
PIPE @ 3.70%

(MH-0020)
CONSTRUCT 36" MANHOLE
W/ GRATE INLET

CONST. 14 LF OF 18" HDPE
PIPE @ 0.74%

CONST. 40 LF OF 18" HDPE
PIPE @ 1.06%

(CO-0020)
CONSTRUCT 18"
CLEANOUT

8" SD. SEE MEP
PLANS FOR
CONTINUATION TO
ROOF DRAINAGE

CONST. 84 LF OF 18" HDPE
PIPE @ 1.00%

8" SD. SEE MEP
PLANS FOR
CONTINUATION TO
ROOF DRAINAGE

CONST. 10 LF OF 8" HDPE
PIPE @ 1.06%

(ID-0020)
CONSTRUCT 18"
NYLOPLAST INLINE DRAIN

(YD-0010)
CONSTRUCT 8"
NYLOPLAST YARD DRAIN

CONST. 53 LF OF 18" HDPE
PIPE @ 1.00%

CONST. 63 LF OF 18" HDPE
PIPE @ 0.34%

(ID-0015)
CONSTRUCT 18"
NYLOPLAST INLINE DRAIN

8" SD. SEE MEP PLANS
FOR CONTINUATION TO
ROOF DRAINAGE

(DB-1)
CONSTRUCT 36"
NYLOPLAST DRAIN BASIN
WITH BAFFLE

12" SD. SEE MEP PLANS
FOR CONTINUATION TO
PARKING GARAGE
DRAINS

CONST. 1.25 LF OF 18"
HDPE PIPE @ 1.44%

25 LF OF 18" EXFILTRATION
TRENCH WITH SAND FILTER
(5 LF OF SOLID PIPE AND 20
LF OF PERFORATED PIPE)

CONST. 8 LF OF 8" HDPE
PIPE @ 2.06%

(CO-0010)
CONSTRUCT 8" CLEANOUT

CONST. 7 LF OF 8" HDPE
PIPE @ 5.06%

(MH-0030)
CONSTRUCT 36" MANHOLE
W/ GRATE INLET

(TD-0030)
CONSTRUCT 36 LF OF 12"
ZURN TRENCH DRAIN
(Z-882) OR APPROVED
EQUAL

(DD-0020)
CONSTRUCT 6'
BARRACUDA MAX VORTEX
STRUCTURE

(W2-0010)
CONSTRUCT 6'
DRAINAGE WELL

CONST. 2 LF OF 18" HDPE
PIPE @ 1.00%

CATCH BASIN
GRATE EL= +4.38
INV EL= 2.13(W)(24" PIPE)
INV EL= 2.18(E)(8" PIPE)

CATCH BASIN
GRATE EL= +4.61
INV EL= 0.54(S)

FOLIO #23-3209-001-0061

FOLIO #23-3209-001-0060

LOT-4

LOT-2

FIP. 1/2"
No I.D.

FIP. 1/2"
No I.D.

RAIL

TRANSFORMER
EQUIPMENT

9' WALK, CURB & GUTTER

9' WALK, CURB & GUTTER

SEWER VALVE
MANHOLE

TRAFFIC SIGNAL
SUPPORT ARM

R/W

25'

30'

11.0'

2.00'

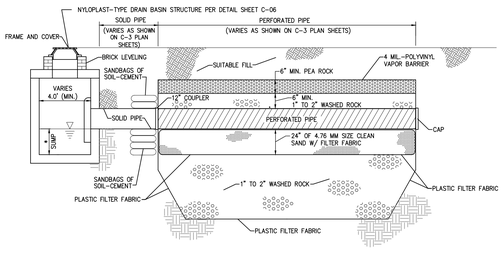
Structure Table	
Structure Name	Structure Details
CO-0010	RIM = 6.21 L-0150P INV IN = 3.01 L-0050P INV OUT = 2.30
CO-0020	RIM = 9.85 L-0180P INV IN = 1.22 L-0190P INV OUT = 1.12
DB-1	RIM = 10.00 P-2 INV IN = -6.32 P-1 INV OUT = -5.32
DD-0010	RIM = 7.31 L-0030P INV IN = -1.02 L-0090P INV OUT = -1.12
DD-0020	RIM = 6.67 L-0070P INV IN = 0.48 L-0110P INV OUT = 0.38
ID-0015	RIM = 7.93 L-0300P INV IN = -0.34 L-0160P INV OUT = -0.96
ID-0020	RIM = 7.87 L-0190P INV IN = 0.28 L-0350P INV IN = 2.00 L-0300P INV OUT = 0.18
ID-0030	RIM = 9.96 L-0170P INV IN = 1.74 L-0180P INV OUT = 1.64

Structure Table	
Structure Name	Structure Details
ID-0040	RIM = 7.46 L-0240P INV OUT = 3.75
ID-0050	RIM = 9.95 L-0260P INV IN = -0.78 L-0240P INV IN = 3.65 L-0030P INV OUT = -0.88
ID-0060	RIM = 5.96 L-0040P INV OUT = 2.41
ID-0070	RIM = 7.91 L-0250P INV IN = -0.32 L-0260P INV OUT = -0.42
ID-0080	RIM = 7.95 L-0270P INV IN = 0.40 L-0010P INV OUT = 0.30
ID-0090	RIM = 7.96 L-0280P INV IN = 0.79 L-0270P INV OUT = 0.69
ID-0100	RIM = 7.78 L-0020P INV IN = 4.35 L-0290P INV OUT = 1.37
MH-0020	RIM = 5.86 L-0040P INV IN = 1.94 L-0170P INV OUT = 1.84

Structure Table	
Structure Name	Structure Details
MH-0030	RIM = 6.75 L-0160P INV IN = -1.17 L-0050P INV IN = 2.15 L-0070P INV OUT = 0.58
TD-0010	RIM = 8.00 L-0010P-2 INV IN = 0.19 L-0250P INV OUT = 0.19
TD-0020	RIM = 7.36 L-0020P INV OUT = 5.83
TD-0030	RIM = 8.34 L-0150P INV OUT = 3.35
W1-0010	RIM = 6.72 L-0090P INV IN = -1.19
W2-0010	RIM = 7.18 L-0110P INV IN = 0.29
YD-0020	RIM = 7.96 L-0290P INV IN = 1.07 L-0280P INV OUT = 0.97

PLAN VIEW

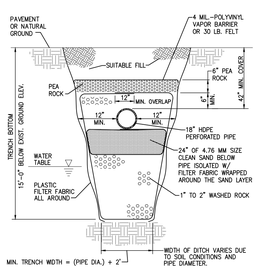
SCALE: 1"=10'



* 4' SUMP WHEN BAFFLE IS SPECIFIED, AND 2' SUMP WHEN BAFFLE IS NOT REQUIRED ON S-X STRUCTURES. REFER TO THE DRAINAGE STRUCTURES TABLE ON SHEET C-2.

EXFILTRATION TRENCH w/ SAND FILTER DETAIL

N.T.S.



EXFILTRATION TRENCH WITH SAND FILTER NOTES:

1. POLLUTION CONTROL BAFFLE AND 2' SUMP ARE REQUIRED ON ALL INLETS PRECEDING EXFILTRATION TRENCH. POLLUTION CONTROL BAFFLE IS NOT REQUIRED ON INLETS LOCATED IN RETENTION AREAS.
2. THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PREVENT CONTAMINATION OF THE TRENCH WITH SAND, SILT AND FOREIGN MATERIALS.
3. FILTER FABRIC SHALL BE SUBSURFACE DRAINAGE TYPE MEETING THE REQUIREMENTS OF FDOT SPECS, SECTION 985. ALL FILTER FABRIC JOINTS SHALL OVERLAP A MINIMUM OF ONE (1) FOOT.
4. WERE TRENCH WALL WILL NOT STAND VERTICAL OR WHERE CAVE-IN BELOW THE WATER TABLE IS LIKELY AN ALTERNATE SECTION IS TO BE USED AT THE DISCRETION OF THE ENGINEER. THERE WILL BE NO ADDITIONAL PAYMENT FOR THIS CROSS SECTION.
5. PROVIDE 2 FT. OF COARSE SAND BELOW INVERT OF PERFORATED PIPE. THE PARTICLE SIZE OF THE SAND FILTER LAYER SHALL BE 4.76 MM (No. 4 SIEVE).
6. AFTER THE BALLAST ROCK HAS BEEN PLACED TO THE PROPER ELEVATION, IT SHALL BE CAREFULLY WASHED DOWN WITH CLEAN WATER IN ORDER TO ALLOW FOR INITIAL SETTLEMENT THAT MAY OCCUR. IF IT DOES TAKE PLACE, ADDITIONAL BALLAST ROCK WILL BE ADDED TO RESTORE THE BALLAST ROCK TO THE PROPER ELEVATION SO THAT THE EXFILTRATION TRENCH BE COMPLETED IN ACCORDANCE WITH THE DETAILS.

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STORM DRAINAGE PLAN

C-05

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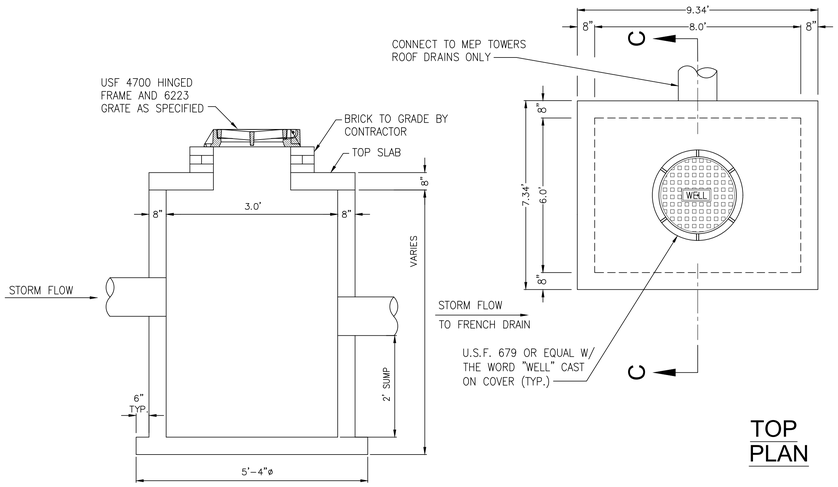
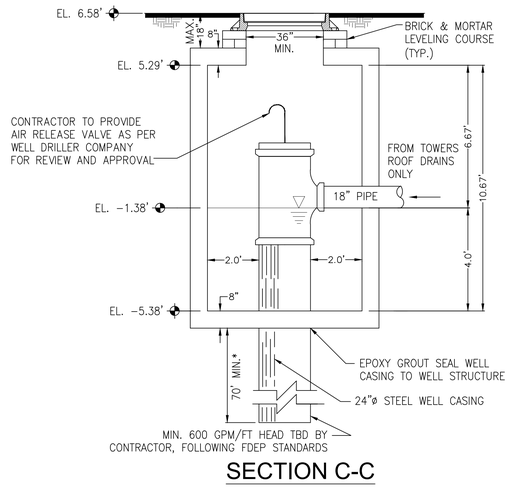


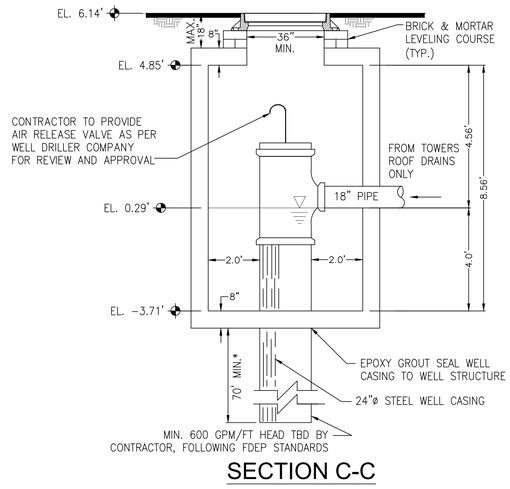
TOP PLAN

TYPE D-4 MANHOLE WITH FRAME, GRATE AND BAFFLE

N.T.S.



SECTION C-C



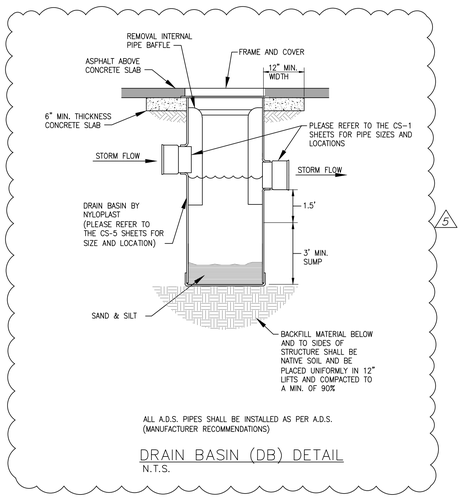
SECTION C-C

STORM DRAINAGE WELL 1

N.T.S.

STORM DRAINAGE WELL 2

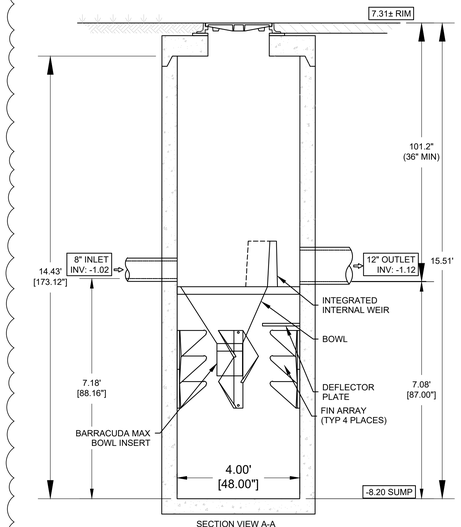
N.T.S.



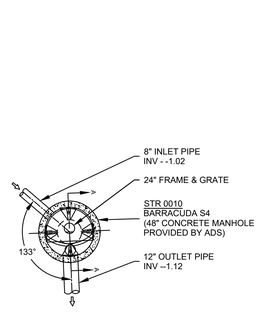
5

DRAIN BASIN (DB) DETAIL

N.T.S.



SECTION VIEW A-A
SCALE: ½" = 1'



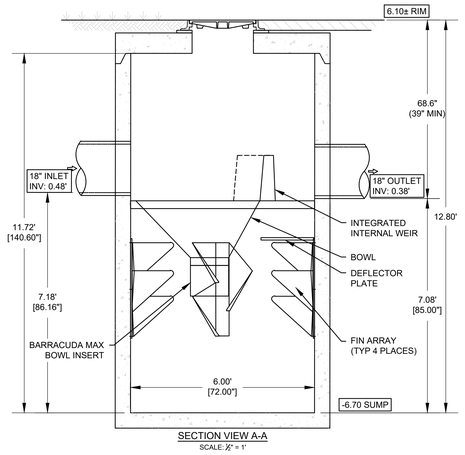
SITE SPECIFIC PLAN VIEW
SCALE: ½" = 1'

NOTE:

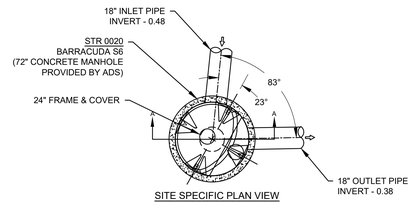
FROM VORTEX STRUCTURE MANUFACTURER:
CALCULATED ENERGY HEAD LOSS = 5.30"

VORTEX STRUCTURE DETAILS (4-FT)

SCALE: AS SHOWN



SECTION VIEW A-A
SCALE: ½" = 1'



SITE SPECIFIC PLAN VIEW
SCALE: ½" = 1'

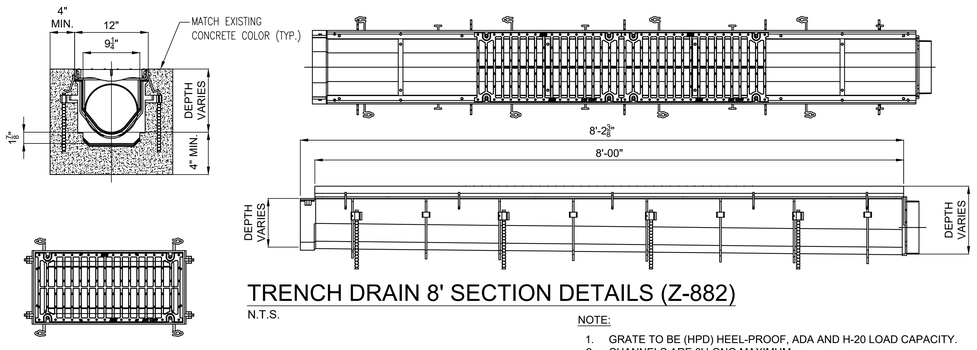
NOTE:

FROM VORTEX STRUCTURE MANUFACTURER:
CALCULATED ENERGY HEAD LOSS = 15.5"

VORTEX STRUCTURE DETAILS (6-FT)

SCALE: AS SHOWN

5

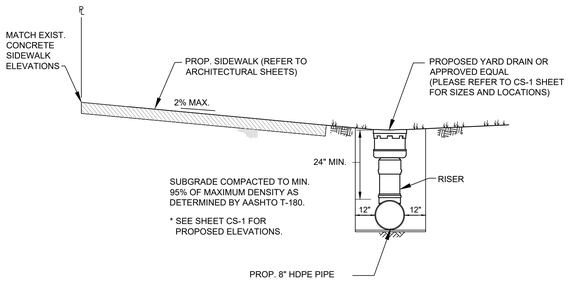


TRENCH DRAIN 8' SECTION DETAILS (Z-882)

N.T.S.

NOTE:

1. GRATE TO BE (HPD) HEEL-PROOF, ADA AND H-20 LOAD CAPACITY.
2. CHANNELS ARE 8' LONG MAXIMUM.



YARD DRAIN (YD) DETAILS

N.T.S.

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No. 62714
STATE OF FLORIDA
PROFESSIONAL ENGINEER

WADDIE D. RUIZ, P.E.
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

7/3/2024 9:10:27 AM

Project Number
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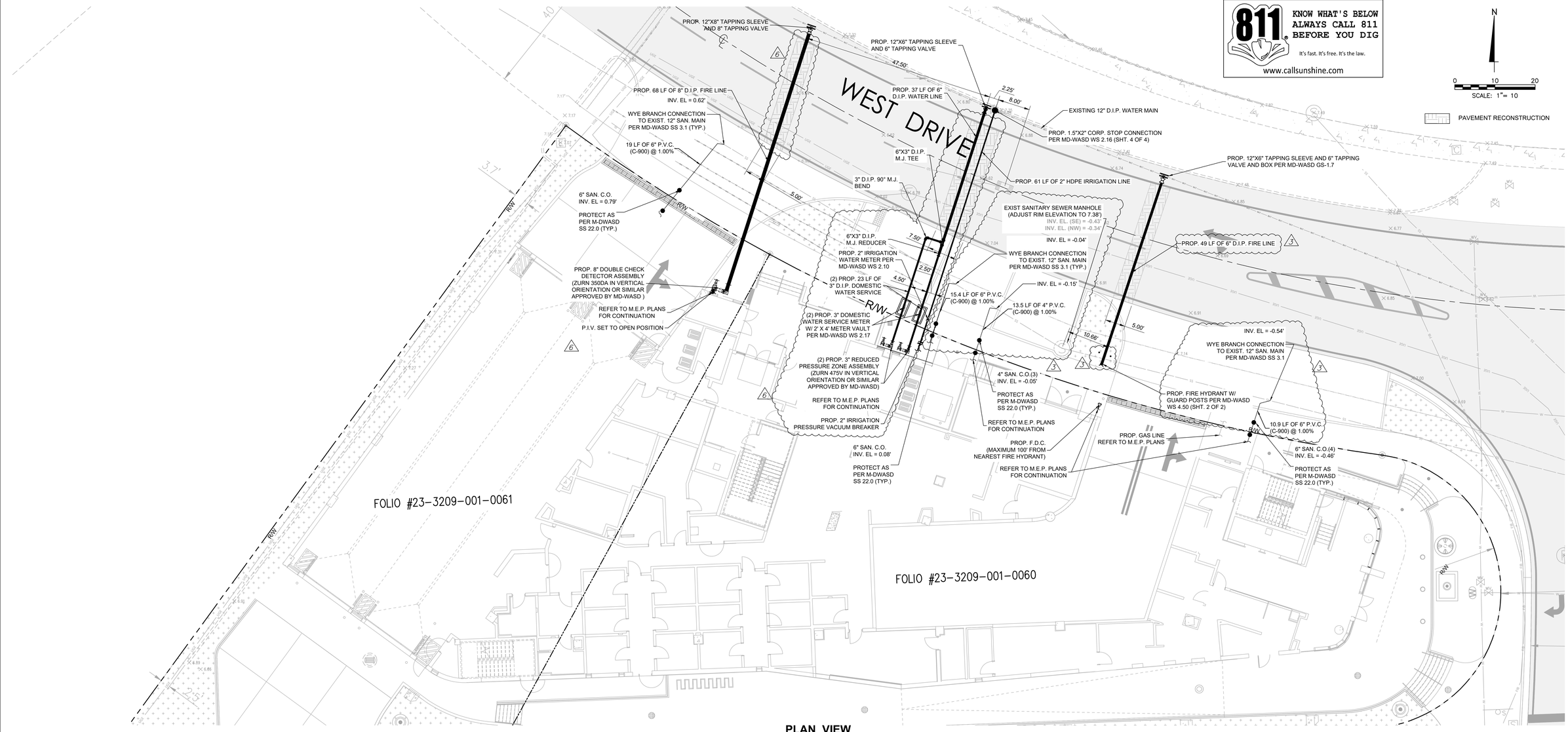
08-01-2024

REV	DESCRIPTION	DATE
1	REV #2	12/20/2024
2	REV #3	03/18/2025
3	REV #5	08/14/2025

2

STORM DRAINAGE DETAILS

C-06



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1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA, 33140

7/30/2024 9:10:27 AM

Project Number
WJ 2312 / WA 22303.0

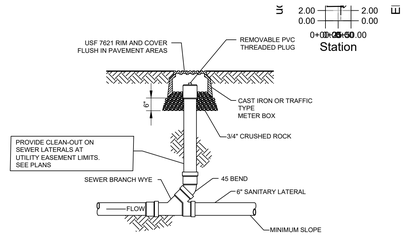
DISTRIBUTION
08-01-2024

REV	DESCRIPTION	DATE
1	REV #2	12/20/2024
2	REV #3	03/18/2025
3	REV #6	10/27/2025

WATER & SEWER PLAN

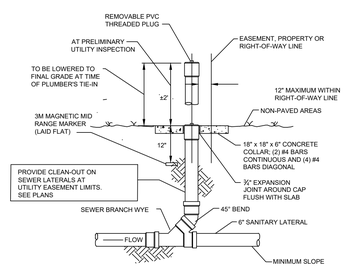
C-07

PLAN VIEW
SCALE : 1"=10'

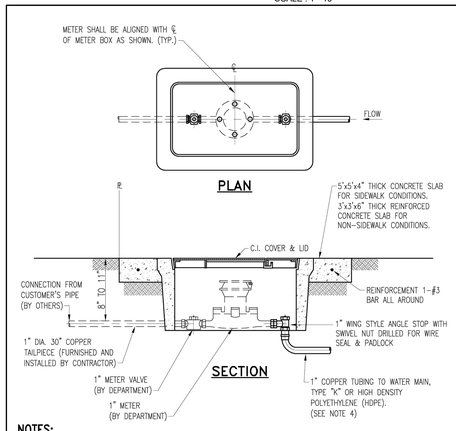


WATER AND SANITARY SEWER CROSSING DETAIL
SCALE: N.T.S.

SEWER CLEAN-OUT DETAIL (PAVED AREAS)
SCALE: N.T.S.



SEWER CLEAN-OUT DETAIL (NON PAVED AREAS)
SCALE: N.T.S.



NOTES:
1. SEE SHEET 1 OF 3 FOR DETAILS.
2. USE SINGLE METER BOX.
3. CONCRETE SLAB REINFORCEMENT SHALL HAVE 1-#3 BAR ALL AROUND.
4. USE 1" BLUE COLOR HDPE OR 1" COPPER TUBING FOR POTABLE WATER SERVICE. USE ONLY 1" PURPLE COLOR HDPE (NO COPPER ALLOWED) FOR RECLAIMED WATER SERVICE.
5. METERS WILL NOT BE INSTALLED IF THE METER BOX IS IN A DRIVING SURFACE.
6. WHEN USING 1" HDPE SERVICE, A TEN GAUGE BLUE (PURPLE FOR RECLAIMED WATER) DIRECT BURY STANDARD COPPER TRACE WIRE IS TO BE TAPED CONTINUOUSLY WITH POLY OR DUCT TAPE TO THE SERVICE FOR LOCATION PURPOSES. WIRE MUST BE ATTACHED TO WATER MAIN AND EXTEND INTO WATER METER.
7. ALL SPACER TUBES AND TAILPIECES SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR.
8. REPAIRS TO SLAB AND METER ARE PROHIBITED.

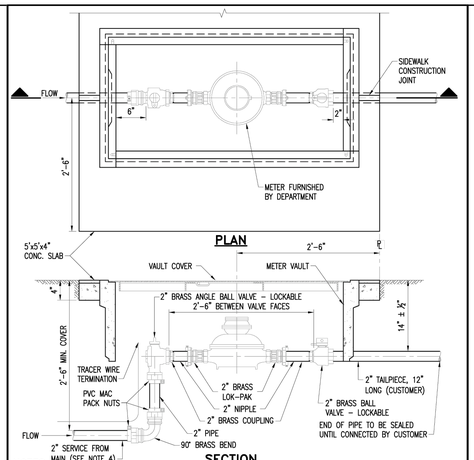
1" SERVICE CONNECTION TYPICAL SERVICE PLAN	WS. 4.11 WS. 4.10	
ITEM	CROSS REF.	SPEC. REF.

ISSUE DATE	APPROVED BY
06/01/2008	V.F.C.

MIAMI-DADE COUNTY Delivering Excellence Every Day — WATER & SEWER DEPARTMENT

STANDARD DETAIL
SINGLE METER BOX FOR MULTI-STORY BUILDING

WS 2.10 SHEET 3 OF 3



NOTES:
1. USE 2'x4' METER VAULT.
2. METER BOX TO BE IN 5'x5'x4" THICK CONCRETE SLAB WITH 6x6-W1.4xW1.4 W.W.M.
3. A TEN GAUGE BLUE (PURPLE FOR RECLAIMED WATER) DIRECT BURY STRANDED COPPER TRACER WIRE TO BE TAPED CONTINUOUSLY WITH POLY OR DUCT TAPE TO THE SERVICE FOR LOCATION PURPOSES. WIRE MUST BE ATTACHED TO WATER MAIN AND EXTEND INTO THE WATER METER BOX.
4. USE 2" BLUE COLOR HDPE FOR POTABLE WATER SERVICE. USE 2" PURPLE COLOR HDPE FOR RECLAIMED WATER SERVICE.
5. METERS WILL NOT BE INSTALLED IF THE METER BOX IS LOCATED ON A DRIVING SURFACE.
6. METER BOX SHALL BE INSTALLED BETWEEN TWO SEPARATE FLAGS OF CONCRETE.
7. ALL BRASS COMPONENTS SHALL BE MARKED "NL" MEETING THE S3874 AMENDMENT TO THE SAFE DRINKING WATER ACT.

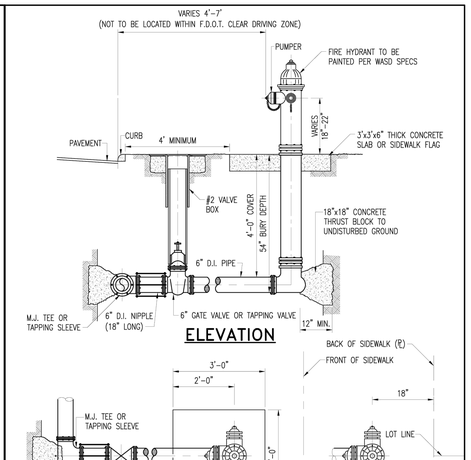
TYPICAL SERVICE PLAN 2"x4" METER VAULT	WS. 4.10 WS. 2.17	
ITEM	CROSS REF.	SPEC. REF.

ISSUE DATE	APPROVED BY
05/31/2013	E.A.V.

MIAMI-DADE COUNTY Delivering Excellence Every Day — WATER & SEWER DEPARTMENT

STANDARD DETAIL
TYPICAL 2" SERVICE INSTALLATION WITH A 2" METER

WS 2.16 SHEET 1 OF 4



NOTES:
1. FIRE HYDRANTS SHALL NOT BE LOCATED WITHIN A RADIUS.
2. 1' FROM FACE OF CURB ONLY ON 4' SIDEWALKS FOR ADA.
3. IN F.D.O.T. R/W ONLY USE PLASTIC SURFACE MOUNTED DELINEATOR POST INSTALLED WITH EPOXY ADHESIVE.

ITEM	CROSS REF.	SPEC. REF.

ISSUE DATE	APPROVED BY
02/25/2013	V.F.C.

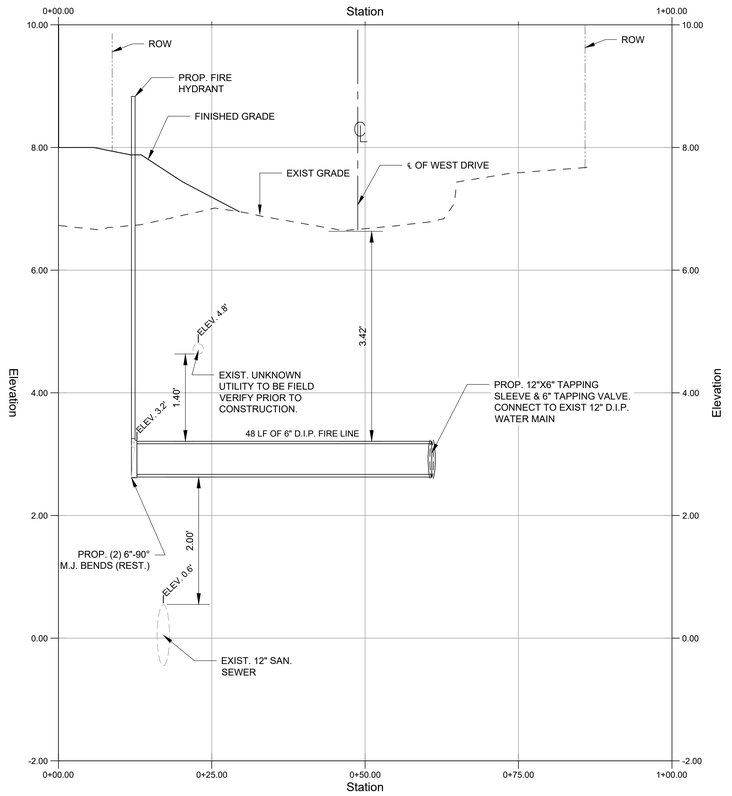
MIAMI-DADE COUNTY Delivering Excellence Every Day — WATER & SEWER DEPARTMENT

STANDARD DETAIL
TYPICAL FIRE HYDRANT INSTALLATION IN F.D.O.T. RIGHT OF WAY

WS 4.50 SHEET 2 OF 2

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

PROPOSED 8-IN FIRE HYDRANT LINE PROFILE ACROSS WEST DRIVE

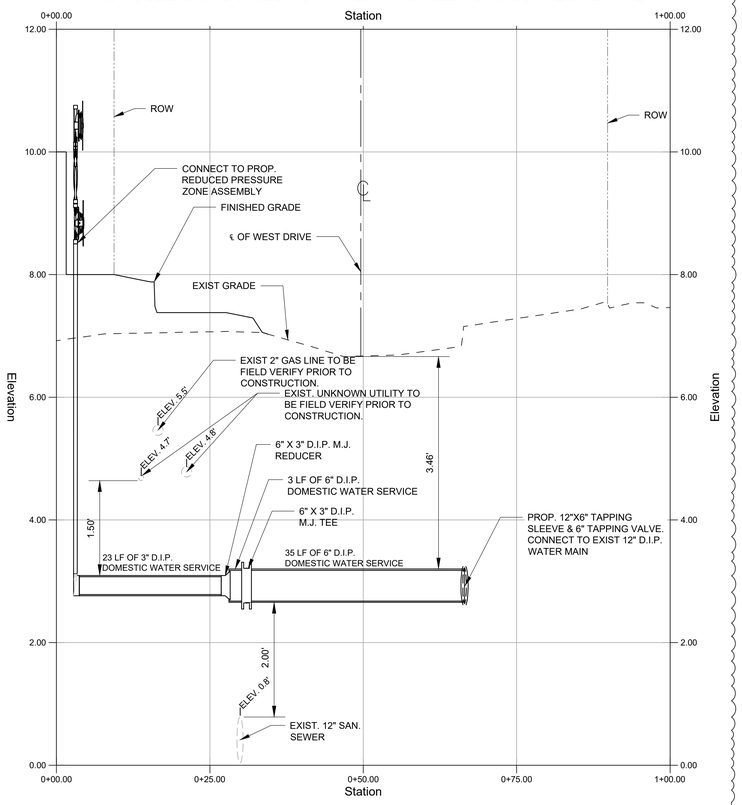


PROPOSED 8" D.I.P. FIRE HYDRANT LINE PROFILE (ACROSS WEST DRIVE)

HOR. SCALE: 1" = 10

VER. SCALE: 1" = 1'

PROPOSED 6-IN DOMESTIC WATER PROFILE ACROSS WEST DRIVE



PROPOSED 6" D.I.P. WATER MAIN PROFILE (ACROSS WEST DRIVE)

HOR. SCALE: 1" = 10

VER. SCALE: 1" = 1'

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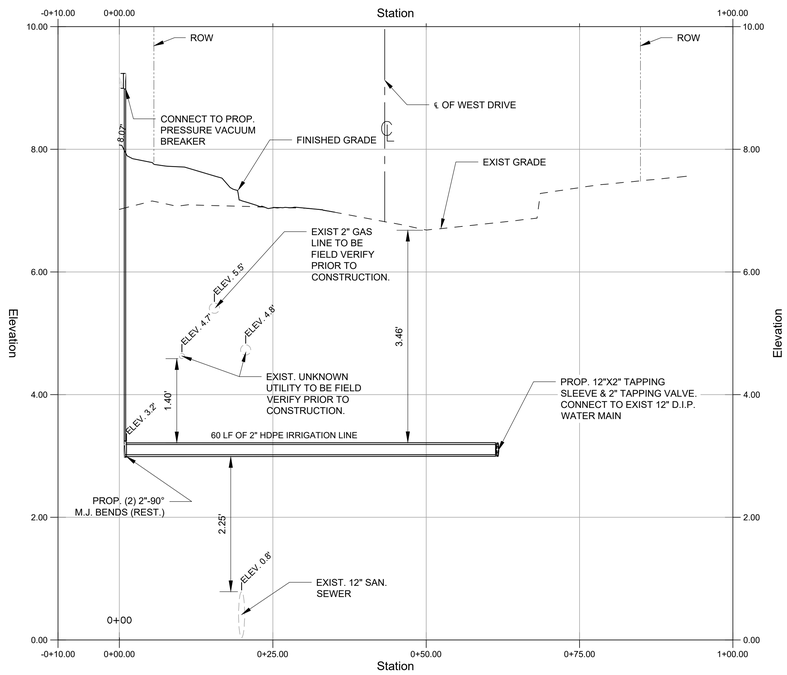
PROPOSED 2-IN IRRIGATION LINE PROFILE ACROSS WEST DRIVE

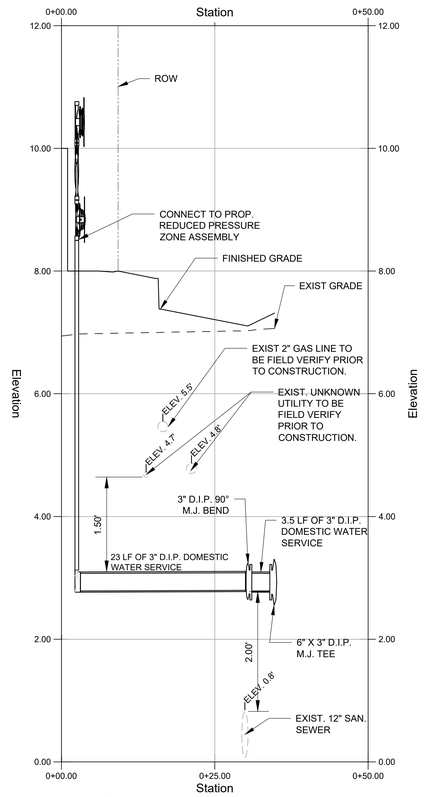


PROPOSED 2" HDPE IRRIGATION LINE PROFILE (ACROSS WEST DRIVE)

HOR. SCALE: 1" = 10

VER. SCALE: 1" = 1'

PROPOSED 3-IN DOMESTIC WATER PROFILE ACROSS WEST DRIVE

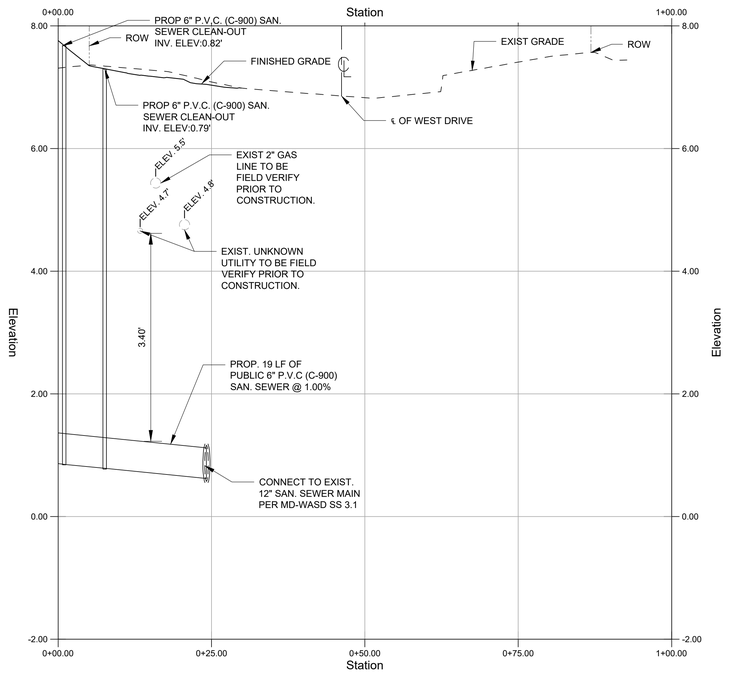


PROPOSED 3" D.I.P. WATER MAIN PROFILE (ACROSS WEST DRIVE)

HOR. SCALE: 1" = 10

VER. SCALE: 1" = 1'

PROPOSED 6-IN SANITARY CONNECTION PROFILE

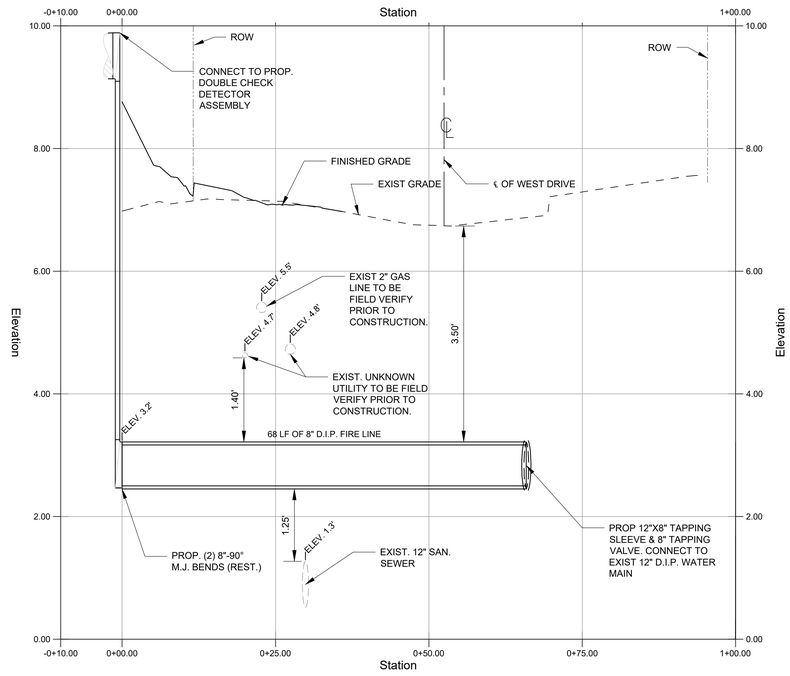


PROPOSED 6" P.V.C. (C-900) SAN. SEWER CONNECTION

HOR. SCALE: 1" = 10

VER. SCALE: 1" = 1'

PROPOSED 8-IN FIRE LINE PROFILE ACROSS WEST DRIVE



PROPOSED 8" D.I.P. FIRE LINE PROFILE (ACROSS WEST DRIVE)

HOR. SCALE: 1" = 10

VER. SCALE: 1" = 1'

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STATE OF FLORIDA
PROFESSIONAL ENGINEER

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WATER & SEWER PROFILES

C-08

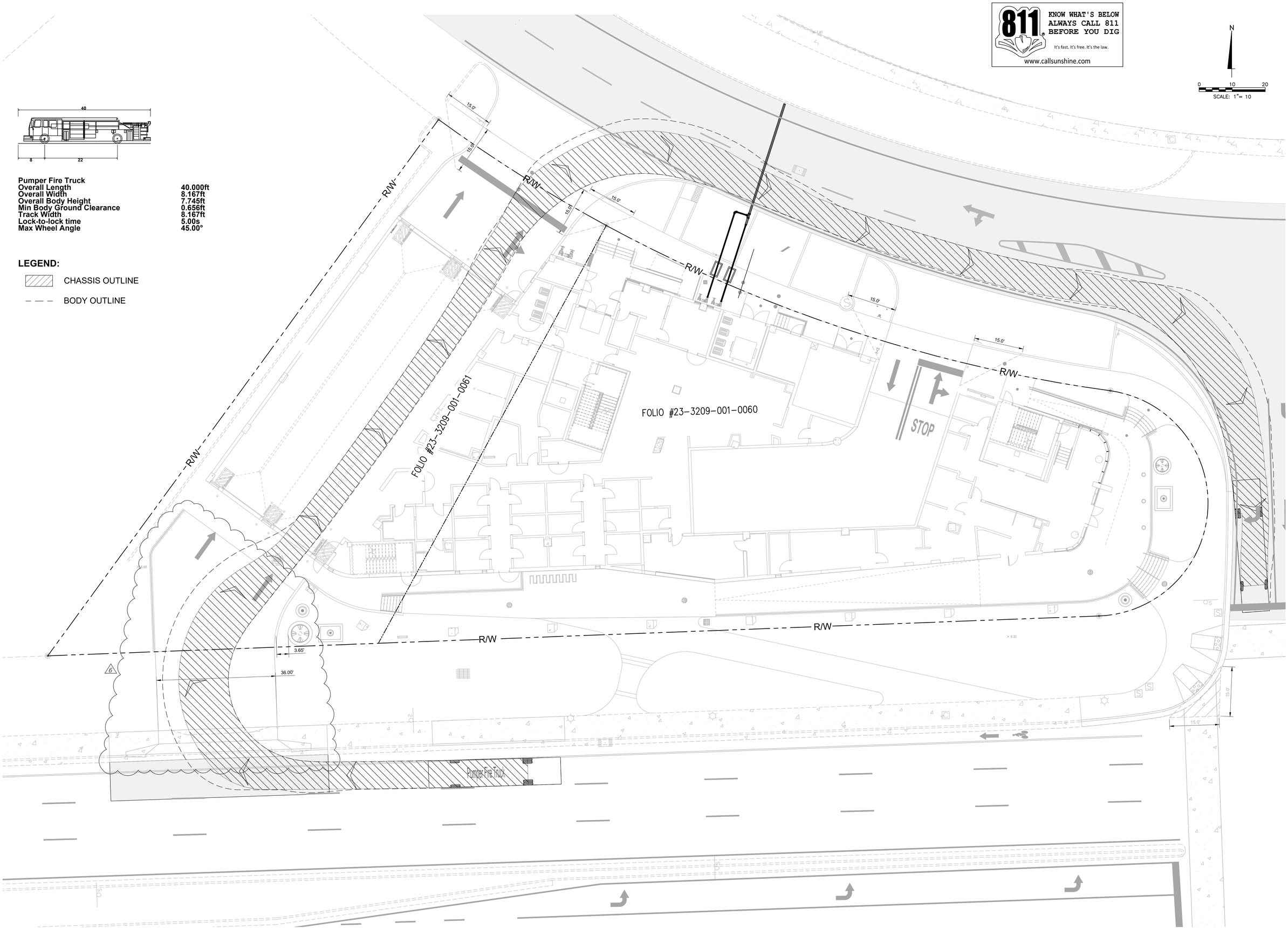
TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

Pumper Fire Truck	
Overall Length	**40.000ft**
Overall Width	**8.167ft**
Overall Body Height	**7.745ft**
Min Body Ground Clearance	**0.656ft**
Track Width	**8.167ft**
Lock-to-lock time	**5.00s**
Max Wheel Angle	**45.00°**

LEGEND:

CHASSIS OUTLINE

BODY OUTLINE



PLAN VIEW

SCALE : 1"=10'

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3	REV #6	10/27/2025

AUTOTURN - RIGHT-BAY EASTBOUND

C-09

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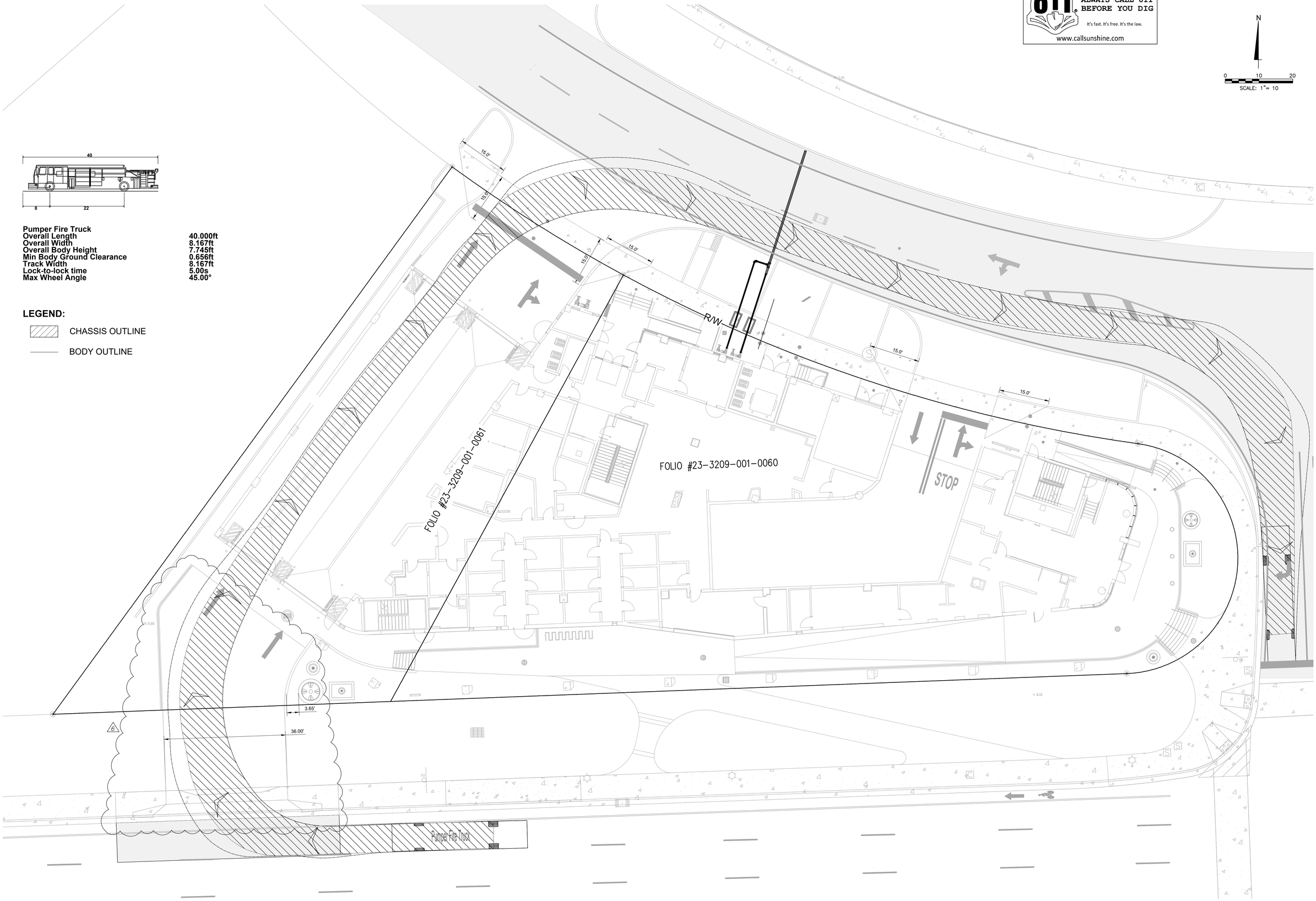
Pumper Fire Truck	
Overall Length	**40.000ft**
Overall Width	**8.167ft**
Overall Body Height	**7.745ft**
Min Body Ground Clearance	**0.656ft**
Track Width	**8.167ft**
Lock-to-lock time	**5.00s**
Max Wheel Angle	**45.00°**

LEGEND:

CHASSIS OUTLINE

BODY OUTLINE



PLAN VIEW

SCALE : 1"=10'

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N

0 10 20

SCALE: 1"= 10

DESIGN ARCHITECT

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180 Mirror Lake Drive North
St. Petersburg, Florida 33701-3214
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33140

7/30/2024 9:10:27 AM

Project Number

WJ 2312 / WA 22303.0

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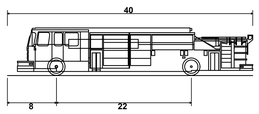
08-01-2024

REV	DESCRIPTION	DATE
2	REV #2	12/20/2024
6	REV #6	10/27/2025

AUTOTURN - LEFT-BAY EASTBOUND

C-10

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



Pumper Fire Truck	
Overall Length	**40.000ft**
Overall Width	**8.167ft**
Overall Body Height	**7.745ft**
Min Body Ground Clearance	**0.656ft**
Track Width	**8.167ft**
Lock-to-lock time	**5.00s**
Max Wheel Angle	**45.00°**

LEGEND:

CHASSIS OUTLINE

BODY OUTLINE

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N

0 10 20

SCALE: 1"= 10

FOLIO #23-3209-001-0060

FOLIO #23-3209-001-0061

R/W

STOP

15.0'

3.65'

36.00'

Pumper Fire Truck

PLAN VIEW

SCALE : 1"=10'

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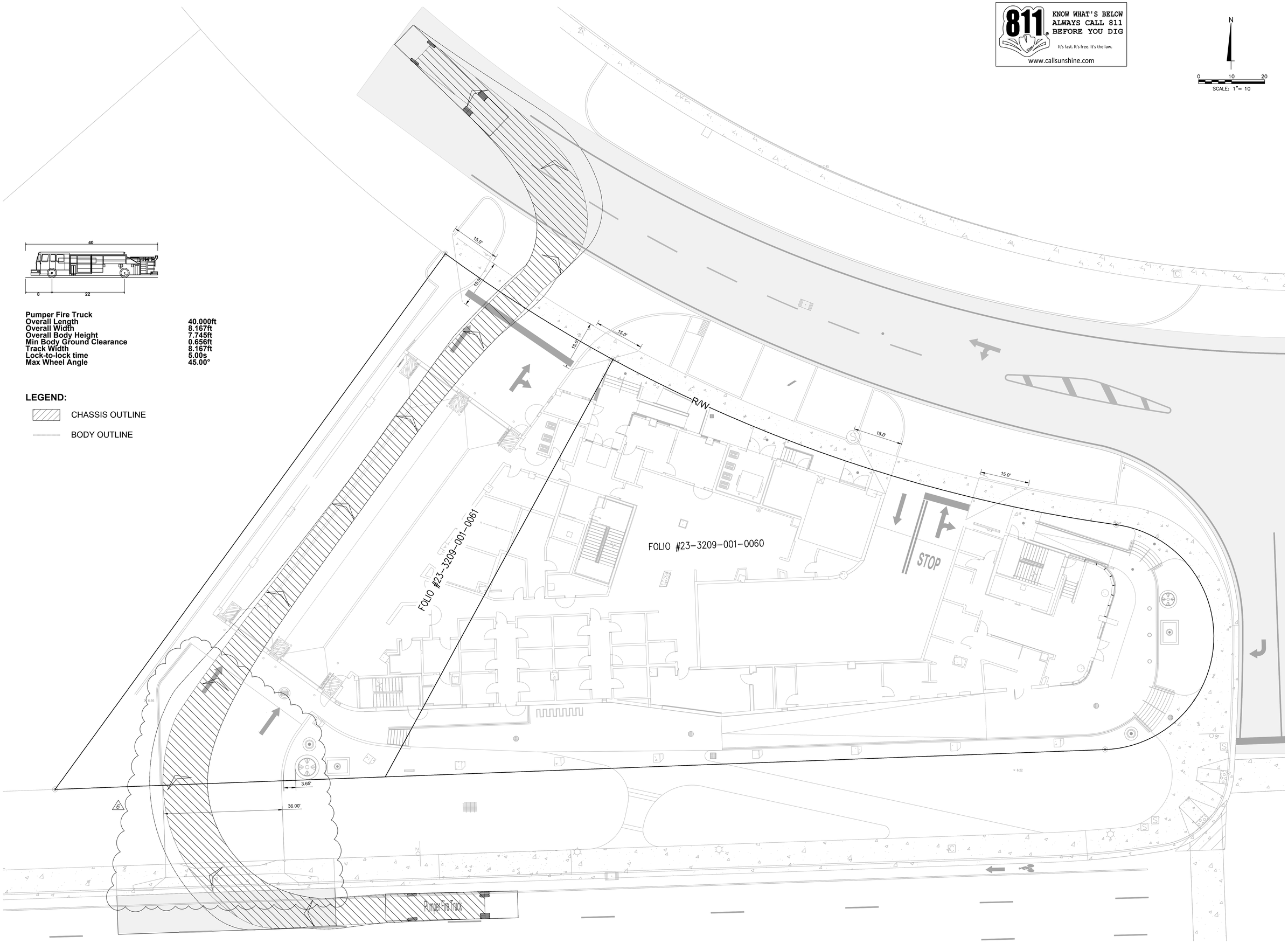

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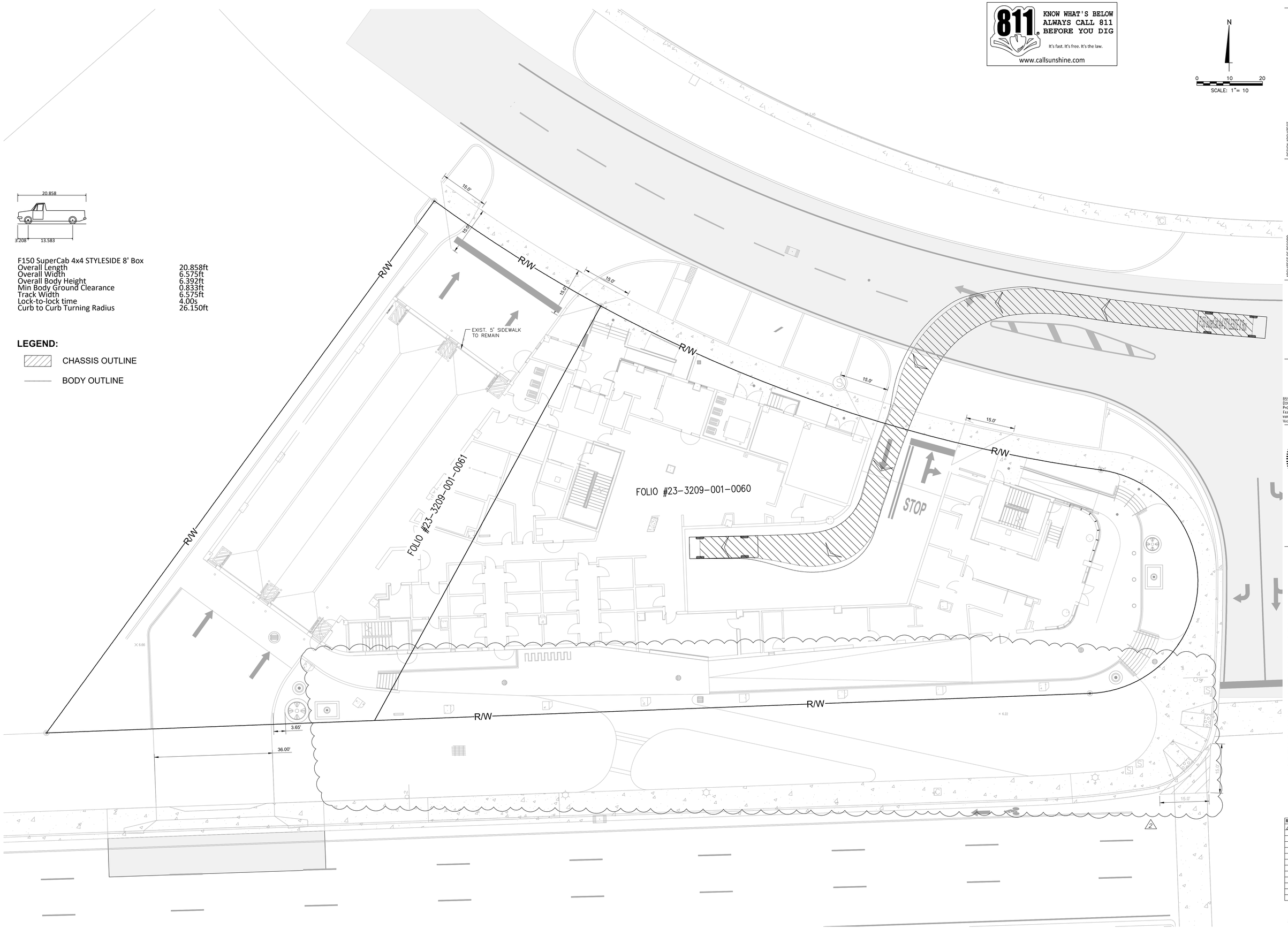
AUTOTURN - LEFT-BAY WESTBOUND

C-12



F150 SuperCab 4x4 STYLESIDE 8' Box

Overall Length	20.858ft
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Overall Body Height	6.392ft
Min Body Ground Clearance	0.833ft
Track Width	6.575ft
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LEGEND:

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AUTOTURN - GARAGE ENTRY WESTBOUND

C-13

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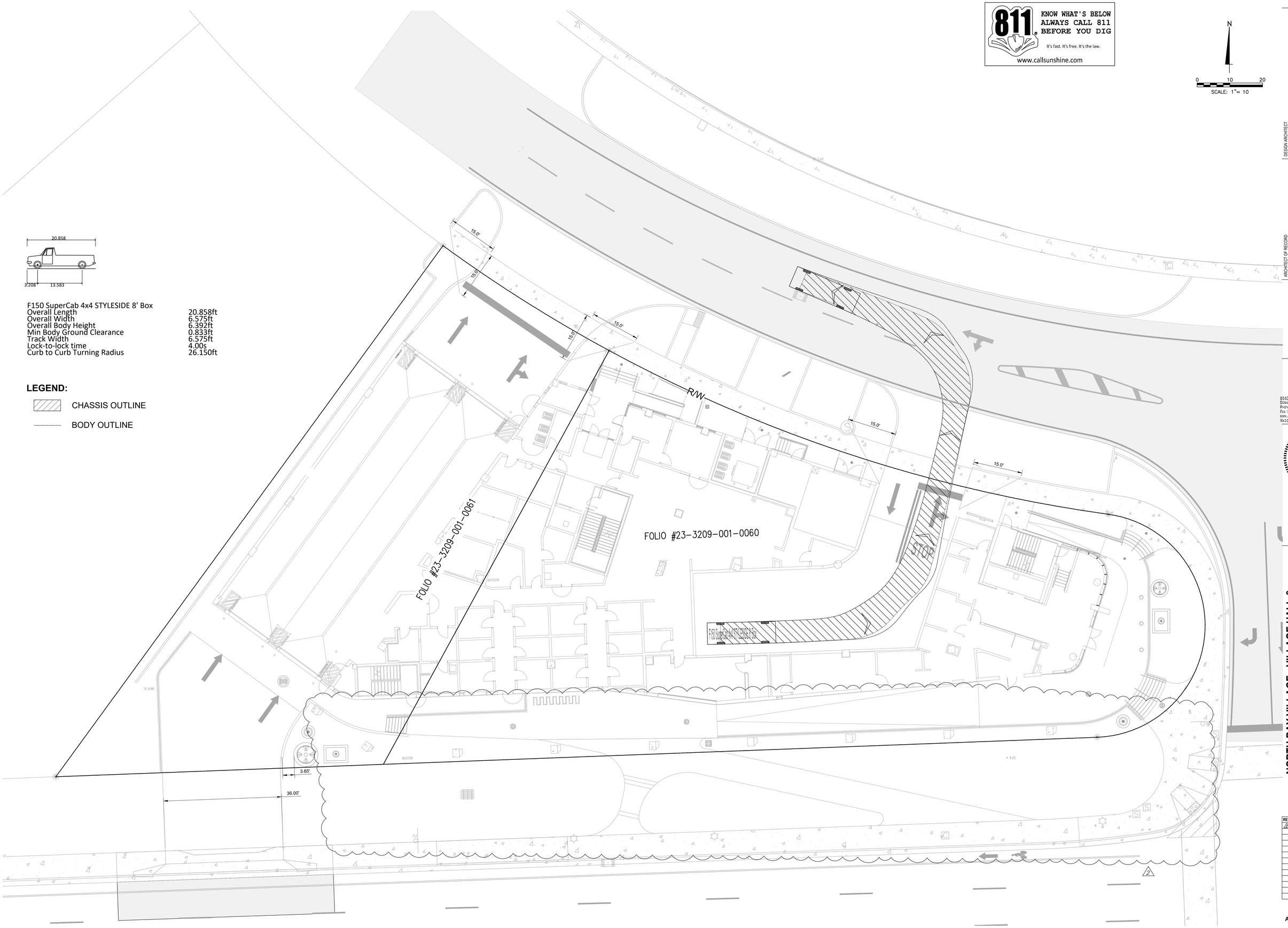

F150 SuperCab 4x4 STYLESIDE 8' Box

Overall Length	20.858ft
Overall Width	6.575ft
Overall Body Height	6.392ft
Min Body Ground Clearance	0.833ft
Track Width	6.575ft
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	26.150ft

LEGEND:

CHASSIS OUTLINE

BODY OUTLINE

PLAN VIEW

SCALE : 1"=10'

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AUTOTURN - GARAGE EXIT WESTBOUND

C-14

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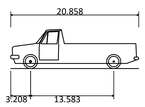

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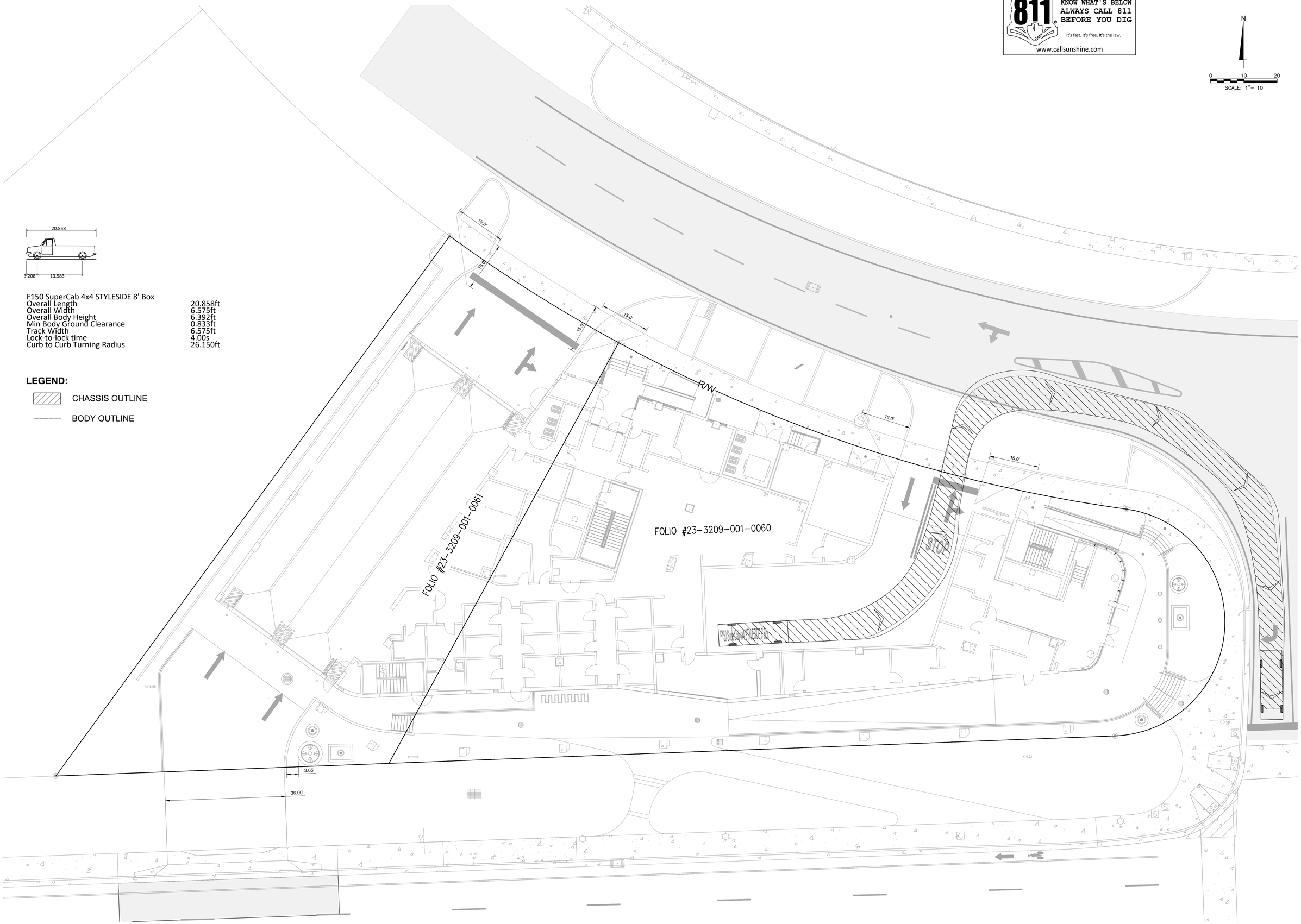

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AUTOTURN - GARAGE EXIT EASTBOUND

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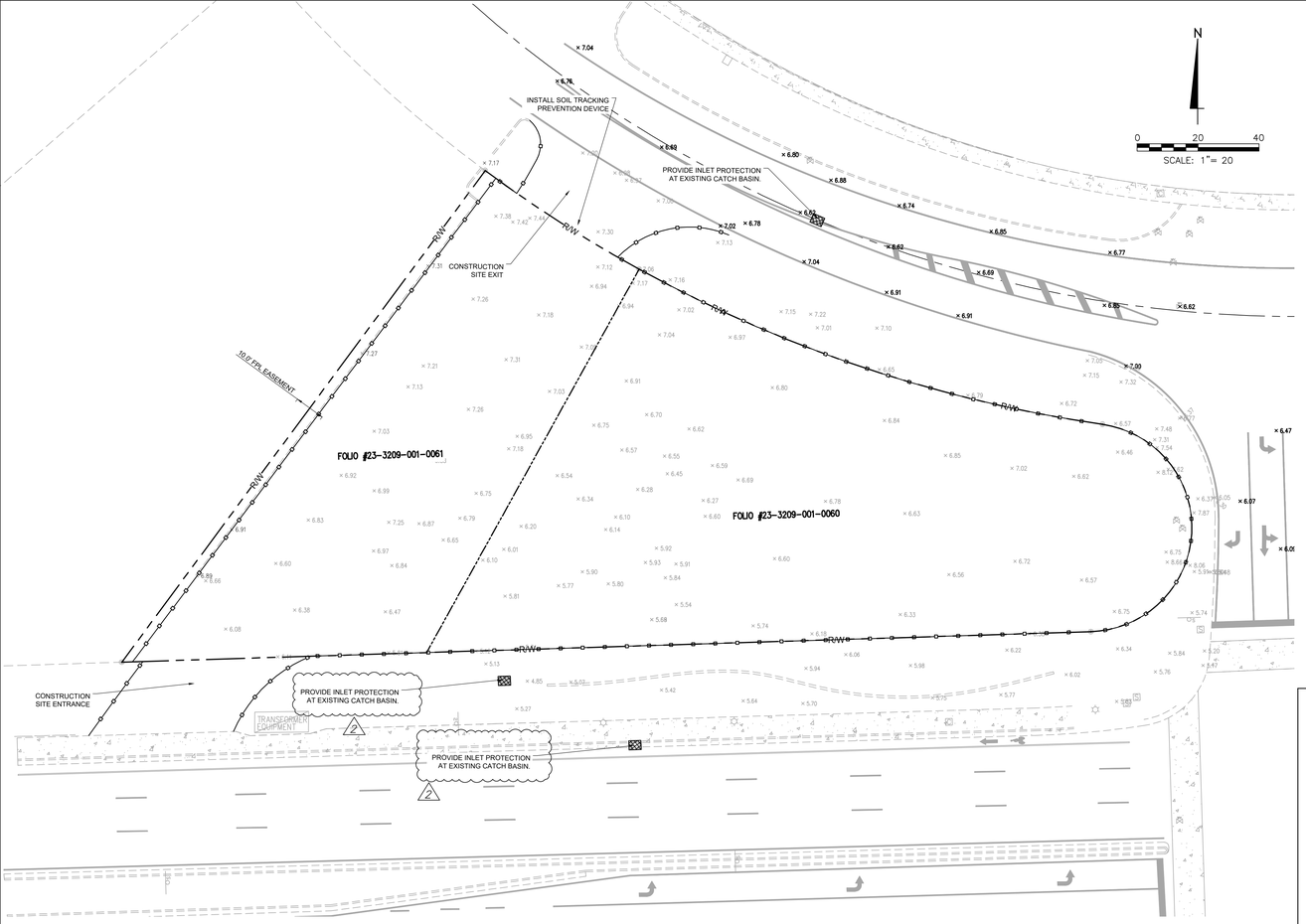
N
0
20
40
SCALE: 1"= 20
INSTALL SOIL TRACKING PREVENTION DEVICE
PROVIDE INLET PROTECTION AT EXISTING CATCH BASIN.
CONSTRUCTION SITE EXIT
CONSTRUCTION SITE ENTRANCE
10.0 P.U.E. EASEMENT
FOLIO #23-3209-001-0061
FOLIO #23-3209-001-0060
TRANSFORMER EQUIPMENT
PROVIDE INLET PROTECTION AT EXISTING CATCH BASIN.
PROVIDE INLET PROTECTION AT EXISTING CATCH BASIN.
RW
RW
RW

SWPPP - NARRATIVE

1. PROJECT/SITE DESCRIPTION

a. CONSTRUCTION ACTIVITY:
CLEARING & GRUBBING AT GRADE LEVEL INCLUDING REMOVAL OF EXISTING TREES, LIGHT POLE, ASPHALT PAVEMENT, SOD, AND CONCRETE CURB

PROJECT LIMITS:
THE PROJECT SITE IS LOCATED IN 1335 79TH STREET CAUSWAY, NORTH BAY VILLAGE, FL 33141

PROJECT DESCRIPTION:
THIS PHASE 1 INCLUDES ONLY THE DEMOLITION OF THE EXISTING CONDITIONS FOR THE PREPARATION OF THE NEW PARKING GARAGE.

b. MAJOR SOIL DISTURBING ACTIVITIES:
● CLEARING & GRUBBING AT GRADE LEVEL INCLUDING REMOVAL OF EXISTING TREES AND LIGHT POLE

c. TOTAL PROJECT AREA:
1.15 ACRES

TOTAL AREA TO BE DISTURBED:
0.77 ACRES

d. (1) RUNOFF COEFFICIENTS BEFORE, DURING, AND AFTER CONSTRUCTION:
BEFORE: CN=0.40 (SANDY SOILS); AREA = 0.299 AC PERVIOUS, 0.429 AC IMPERVIOUS; RUNOFF COEFFICIENT = 0.53
DURING: CN=0.40; AREA = 0.729 AC IMPERVIOUS; RUNOFF COEFFICIENT = 0.29
AFTER: CN=0.95; AREA = 0.682 AC IMPERVIOUS, 0.047 AC PERVIOUS; RUNOFF COEFFICIENT = 0.67

(2) DESCRIPTION OF SOIL OR QUALITY OF DISCHARGE:
N/A

(3) ESTIMATES OF SIZE OF DRAINAGE AREA FOR EACH OUTFALL:
N/A

e. FOR LOCATIONS OF DRAINAGE AREAS AND OUTFALLS :
N/A

f. (1) NAME OF RECEIVING WATERS:
N/A

(2) WETLAND AREA:
N/A

2. CONTROLS

NARRATIVE - SEQUENCE OF SOIL DISTURBING ACTIVITIES AND IMPLEMENTATION OF CONTROLS:
PRIOR TO THE START OF CLEARING AND GRUBBING OPERATIONS, SILT FENCE, AND SYNTHETIC BALES SHALL BE INSTALLED AS SHOWN ON THE PLANS FOR EACH PHASE OF CONSTRUCTION OR AS DIRECTED BY THE ENGINEER. THE SILT FENCE, SHALL REMAIN IN PLACE UNTIL THE CONSTRUCTION IS COMPLETED OR AS DIRECTED BY THE ENGINEER. TEMPORARY SODDING, PERMANENT SODDING, ETC SHALL BE PLACED IN DISTURBED SOILS.

a. EROSION AND SEDIMENT CONTROLS:
(1) STABILIZATION PRACTICES:
____TEMPORARY SODDING
____TEMPORARY GRASSING
____PERMANENT PLANTING, SODDING, OR SEEDING
____TEMPORARY MULCHING
____ARTIFICIAL COVERING
____BUFFER ZONES
____PRESERVATION OF NATURAL RESOURCES
____OTHER :

(2) STRUCTURAL PRACTICES:
__✓__ SAND BAGGING
__✓__ SILT FENCES
____WIND SCREEN
__✓__ SYNTHETIC BALES
____BERMS
____DIVERSION, INTERCEPTOR, OR PERIMETER DITCHES
__✓__ PIPE SLOPE DRAINS
____FLUMES
__✓__ ROCK BEDDING AT CONSTRUCTION EXIT
____TIMBER BEDDING AT CONSTRUCTION EXIT
____DITCH LINER
____SEDIMENT TRAPS
____SEDIMENT BASINS
__✓__ STORM INLET SEDIMENT TRAP
____STONE OUTLET STRUCTURES
__✓__ CURBS AND GUTTERS
__✓__ STORM SEWERS
____VELOCITY CONTROL DEVICES
____TURBIDITY BARRIER
____RIP RAP
____OTHER :

b. DESCRIPTION OF STORM WATER MANAGEMENT:
N/A

c. OTHER CONTROLS
(1) WASTE DISPOSAL:
ANY CONSTRUCTION DEBRIS GENERATED AS A RESULT OF THIS PROJECT WILL BE DISPOSED OF OFF-SITE AT AN APPROPIATE WASTE DISPOSAL FACILITY
a.) CONCRETE WASH OUT LOCATIONS WILL BE PROVIDED IN AREAS WHERE THE DISPOSAL MATERIALS WILL BE CONTAINED SO AS TO PREVENT DISCHARGE OUTSIDE OF THE PROJECT LIMITS AND INTO THE WATERWAYS.
b.) NEW DRAINAGE STRUCTURES WILL BE PROTECTED WITH SYNTHETIC BALES AND/OR FILTER FABRIC.
c.) STAGING AREAS WILL BE LOCATED WITHIN THE PROJECT WORK ZONE UNLESS REQUESTED OTHERWISE FOR APPROVAL.
d.) LITTER WILL BE DEPOSITED IN APPROPIATE LOCATIONS. A DUMPSTER MAY BE PROVIDED AT THE SITE DEPENDING ON THE AMOUNT OF LITTER GENERATED.
e.) LOADED TRUCKS WILL BE COVERED WITH TARPS
f.) SWEEPERS AND/OR WATER TRUCKS WILL BE PROVIDED TO REDUCE DUST DAILY.
g.) SOIL PREVENTION TRACKING WILL BE INSTALLED AS PER THE SWPPP AND/OR AS DIRECTED BY CITY INSPECTOR.

(2) OFFSITE VEHICLE TRACKING:
____HAUL ROADS DAMPENED FOR DUST CONTROL
____LOADED HAUL TRUCKS TO BE COVERED WITH TARPAULIN
__✓__ EXCESS DIRT ON ROAD REMOVED DAILY
____STABILIZED CONSTRUCTION ENTRANCE
__✓__ WATER TRUCK SCHEDULING
__✓__ STREET SWEEPING (AS REQUIRED)
____OTHER :

(3) SANITARY WASTE:
N/A

(4) FERTILIZERS, PESTICIDES AND TREES:
NO FERTILIZERS OR PESTICIDES WILL BE USED AT THE SITE. PROTECT ALL TREES WITHIN PROJECT LIMITS AS PER FDOT INDEX No. 544.

(5) TOXIC SUBSTANCES:
TOXIC SUBSTANCES WILL NOT BE STORED AT THE SITE.

(6) NON-STORM WATER DISCHARGE (INCLUDING SPILL REPORTING):
NO NON-STORMWATER DISCHARGES ARE ANTICIPATED AT THIS TIME. CONTAMINATED SOIL OR GROUNDWATER ENCOUNTERED SHALL BE REPORTED IMMEDIATELY TO NORTH BAY VILLAGE PERSONNEL IN IF DEWATERING IS IMPLEMENTED, THE WATER WILL BE DEPOSITED IN A CONTROLLED AREA ON-SITE TO PREVENT OFF-SITE DISCHARGE OR AS APPROVED BY PERMIT.

(7) EROSION CONTROL DEVICES:
LOCATIONS AND TYPES OF ALL EROSION CONTROL DEVICES SHALL BE INSTALLED AS DIRECTED BY PLAN AND/OR BY THE CITY OF NORTH BAY VILLAGE. CONTRACTOR SHALL IMPLEMENT THE SWPPP AS PER CONTRACT PLANS. HOWEVER, IT MAY BE REVISED BASED ON ACTUAL FIELD CONDITIONS AT THE TIME WORK IS BEING PERFORMED. FIELD MODIFICATIONS WILL BE APPROVED BY MDAD. MONITORING SHALL BE PERFORMED ON A WEEKLY BASIS AND AFTER A 1/2" STORM EVENT WITH ROUTINE MAINTENANCE AND REPLACEMENT OF ANY DEVICES AS REQUIRED. CONTAINMENT OR REMOVAL OF POLLUTANTS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE STATE AND MDAD REGULATIONS AND/OR FDOT STANDARD SPECIFICATIONS.
THE RESPONSIBLE PERSONS FOR MONITORING AND MAINTAINING THE EROSION CONTROL DEVICES SHALL BE:
CONTRACTOR: TELEPHONE:
REMARKS:
IF CONTAMINATED SOIL OR GROUNDWATER IS ENCOUNTERED, CONTACT PROJECT ENGINEER AT 305-551-4608

d. APPROVED STATE, LOCAL PLANS, OR STORM WATER PERMITS: (CHECK ALL THAT APPLY)

1. NPDES PERMIT (0.5 ACRE OR MORE) ☑

2. NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FROM THE FLORIDA DEPARTMENT OF ENVIROMENTAL PROTECTION (FDEP) FOR PROJECTS DISTURBING MORE THAN 1 ACRE. ☑

3. DADE COUNTY PERMITTING, REGULATORY & ECONOMIC RESOURCES (RER) CLASS II-STORMWATER MANAGEMENT PERMIT AND DEWATERING PERMIT. ☐

4. ENVIROMENTAL RESOURCES (ERP) PERMIT FROM THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) ☐

5. U.S. ARMY CORPS OF ENGINEERS DREDGE AND FILL PERMIT. ☐

6. SOUTH FLORIDA WATER MANAGMENT DISTRICT (SFWMD) RIGHT-OF-WAY USE PERMIT. ☐

7. PUBLIC WORKS EXCAVATION PERMIT ☑

8. POLICE ☐

9. TREE PERMIT ☐

10. CITY DEWATERING PERMIT ☐

3. MAINTENANCE:

● ALL MEASURES WILL BE MAINTAINED IN GOOD WORKING ORDER; IF A REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF REPORT.
● BUILT UP SEDIMENT WILL BE REMOVED FROM SILT FENCE WHEN IT HAS REACHED ONE-THIRD OF THE HEIGHT OF THE FENCE.
● PROTECT ALL INLETS SURROUNDING CONSTRUCTION SITE.
● STREET SWEEPING AND DUST PREVENTION MUST BE IMPLEMENTED DAILY.

4. INSPECTION:

a. QUALIFIED PERSONNEL FROM THE CITY AND CONTRACTOR SHALL INSPECT THE FOLLOWING ITEMS DAILY THROUGHOUT THE CONSTRUCTION PERIOD.
b. PREPARATION OF THE CONTRACTOR'S WEEKLY REPORT OF INSPECTION, MAINTENANCE AND REPAIRS FOR THE CONTROL AND ABATEMENT OF EROSION AND WATER POLLUTION SHALL BE INCLUDED IN THE COST OF THE RESPECTIVE PAY ITEMS. WHERE SITES HAVE BEEN FINALLY STABILIZED, INSPECTIONS SHALL BE CONDUCTED WEEKLY.
- ● POINTS OF DISCHARGE TO WATERS OF THE UNITED STATES
- ● POINTS OF DISCHARGE TO MUNICIPAL SEPARATE STORM SEWER SYSTEMS
- ● DISTURBED AREAS OF THE SITE THAT HAVE NOT BEEN FINALLY STABILIZED
- ● AREAS USED FOR STORAGE OF MATERIALS THAT ARE EXPOSED TO PRECIPITATION
- ● STRUCTURAL CONTROLS
- ● STORMWATER MANAGEMENT SYSTEMS
- ● LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE
- ● STREET SWEEPING AND DUST CONTROL

c. A MAINTENANCE INSPECTION REPORT WILL BE MADE AFTER EACH INSPECTION. IF REPAIR IS NECESSARY, IT WILL BE INITIATED WITHIN 24 HOURS OF THE REPORT
d. REMOVE EXCESS DIRT FROM ALL ROADS ADJACENT TO PROJECT AREA ON A DAILY BASIS.
e. SEDIMENT FOUND IN DRAINAGE INSPECTION WILL REQUIRE DRAINAGE SYSTEM CLEANING BY CONTRACTOR.

TO THE BEST OF THE ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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A·D·A ENGINEERING
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Waddie Ruiz, P.E. P.E. License No. 62714

WADDIE D. RUIZ, P.E. No. 62714 STATE OF FLORIDA PROFESSIONAL ENGINEER

WADDIE D. RUIZ, P.E.
LIC. NO. 62714
This item has been digitally signed & sealed by Waddie D. Ruiz, P.E. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA, 33140

7/30/2024 9:10:27 AM

Project Number
WJ 2312 / WA 22303.0

DISTRIBUTION
08-01-2024

REV	DESCRIPTION	DATE

STORM WATER POLLUTION PREVENTION PLAN

C-18

THIS CONTRACT PLAN SET INCLUDES

SIGNALIZATION PLANS

SIGNALIZATION PLANS
CONTRACT PLANS

J.F. KENNEDY CSWY/SR 934 & HARBOR ISLAND DR
NORTH BAY VILLAGE, FLORIDA

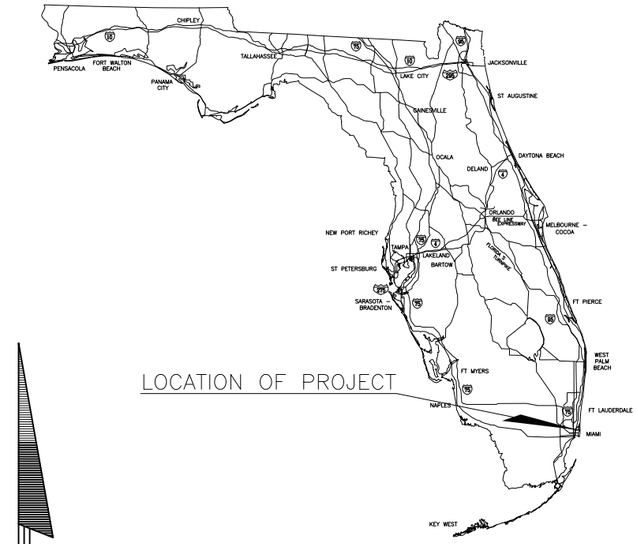
INDEX OF SIGNALIZATION PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	TABULATION OF QUANTITIES
3	SIGNALIZATION PLAN

PROJECT LOCATION



LOCATION MAP



LOCATION OF PROJECT

NTS

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH THE FOLLOWING: MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), FDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION (STANDARD SPECIFICATIONS), FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS (STANDARD INDEXES); ALL SUPPLEMENTS THERE TO: MIAMI–DADE PUBLIC WORKS, TRAFFIC CONTROL EQUIPMENT SPECIFICATIONS AND STANDARDS, AND ALL MIAMI–DADE TRAFFIC ENGINEERING REQUIREMENTS THAT MEET OR EXCEED THE ABOVE.

REVISIONS		
DATE	BY	DESCRIPTION

PLANS PREPARED BY :

RICHARD GARCIA & ASSOCIATES, INC.
8065 N.W. 98TH STREET
HIALEAH GARDENS, FLORIDA 33016
TEL. 305-362-0677
FAX 305-675-6474

FL. CERT OF AUTH NO.: 9592

RICHARD GARCIA LICENSE No. 54886 STATE OF FLORIDA PROFESSIONAL ENGINEER

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED BY REPRODUCTION.

SIGNALIZATION PLANS ENGINEER OF RECORD: RICHARD GARCIA, P.E.

P.E. NO.: 54886

TABULATION OF SIGNALIZATION QUANTITIES

PAY ITEM NO.	DESCRIPTION	SHEET NUMBER	3												TOTAL THIS SHEET		GRAND TOTAL	
		UNIT	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL	ORIG.	FINAL
630-2-12	CONDUIT, FURNISH & INSTALL, DIRECTIONAL BORE	LF	400															
632-7-2	SIGNAL CABLE, OTHER OPERATIONS - FURNISH & INSTALL	LF	400															
635-2-11	PULL & SPLICE BOX, FURNISH & INSTALL, 13"X24" COVER SIZE	EA	5															
663-1-131	SIGNAL PRIORITY AND PREEMPTION SYSTEM (INCLUDES FIRE STATION EQUIPMENT)	EA	1															

NOTES

1. ALL TRAFFIC SIGNALIZATION CONDUIT AND WIRING SHALL BE IN ACCORDANCE WITH SIGNALIZATION PLANS AND SHALL BE SUFFICIENT QUANTITY FOR COMPLETE INSTALLATION.
2. ALL HARDWARE INCIDENTAL TO THE COMPLETE SIGNALIZATION AS INDICATED ON PLAN SHEETS AND SUMMARY OF QUANTITIES SHEET SHALL BE INCLUDED IN THE COST OF ITEMS SUPPLIED.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE ASSEMBLY WHEN SPECIFIED IN THE TABULATION OF QUANTITIES.
4. WHEN TWO, THREE, AND FOUR WAY SIGNAL HEAD BRACKETS ARE SPECIFIED, THE TOP BRACKET SHALL BE CONSTRUCTED OF HOLLOW CAST ALUMINUM AND THE BOTTOM BRACKET SHALL BE CAST ALUMINUM, BOTH WITH STAINLESS STEEL STUDS, WASHERS, AND NUTS.
5. SIGNAL HEADS SHALL BE OF CAST ALUMINUM AND SHALL HAVE FLAT BLACK BODIES WITH FLAT BLACK TUNNEL VISORS AND DOORS. THE SIGNAL LENSES SHALL BE GLASS.
6. ALL GROUND RODS SHALL BE COPPER CLAD 5/8" X10'-0" SECTIONS WITH BONDING WIRE AND CLAMP.
7. LOOP DETECTORS SHALL BE TWO-CHANNEL "SCANNING" TYPE SHELF MODEL WITH RELAY FAIL CALL OUTPUT PER MIAMI-DADE COUNTY SPECIFICATIONS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPENSATING AT&T FOR PROVIDING AND CONNECTING SERVICE PICK-UP. THE CONTRACTOR SHALL ALSO PROVIDE PULL WIRE FOR AT&T SERVICE CONDUIT.
9. THE CONTRACTOR SHALL CONTACT FP&L AND AT&T REPRESENTATIVE PRIOR TO INSTALLING CONDUITS TO THEIR MANHOLES. THE SERVICE CONDUIT SHALL BE BROUGHT TO THE MANHOLES FROM THE SIDES AND NOT THE TOP.
10. CONTRACTOR SHALL REPLACE ENTIRE SIDEWALK FLAG WHEN SIDEWALK IS DISTURBED BY CONSTRUCTION. CONTRACTOR SHALL RESTORE EXISTING PAVEMENT MARKINGS DISTURBED BY TRENCHING OF SAW CUTTING.
11. INSTALL SPARE CONDUIT OF EQUAL LENGTH TO SIGNAL CONDUIT WITHIN SAME TRENCH.

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

SEAL:

RICHARD GARCIA, P.E.
REGISTERED ENGINEER No. 54886
STATE OF FLORIDA

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HIALEAH GARDENS, FLORIDA 33016
TEL. 305-362-0677
FAX 305-675-6474
FL. CERT OF AUTH NO.: 9592

	NAME	DATE		NAME	DATE
DESIGNED BY	C.V.	12/17/2024	DRAWN BY		
CHECKED BY	R.G.	12/17/2024	CHECKED BY		
SUPERVISED BY:	R.G.				

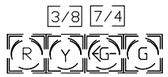
NORTH BAY VILLAGE

SUMMARY OF QUANTITIES

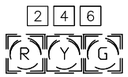
SIGNAL HEAD & SIGNS DETAILS



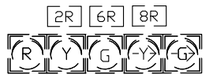
5–SECT., 1–WAY
EXISTING
(TO REMAIN)



4–SECT., 1–WAY
EXISTING
(TO REMAIN)



3–SECT., 1–WAY
EXISTING
(TO REMAIN)



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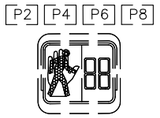
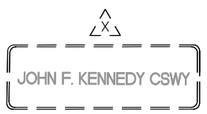
EXISTING
(TO REMAIN)



PED. SIGNAL
EXISTING
(TO REMAIN)



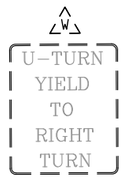
EXIST. IISNS
(TO REMAIN)



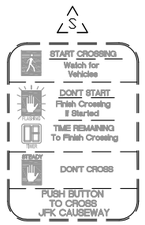
EXIST. IISNS
(TO REMAIN)



EXIST. IISNS
(TO REMAIN)

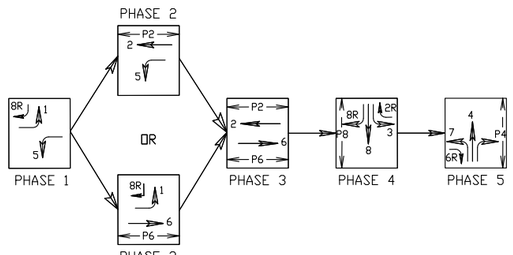


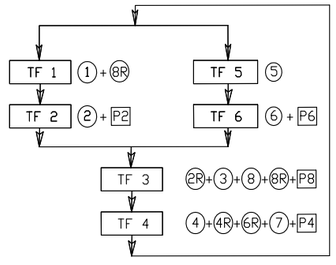
EXIST. SIGN PANEL
(TO REMAIN)



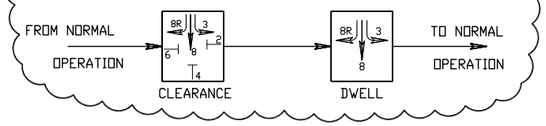
EXIST. SIGN PANEL
(TO REMAIN)

SIGNAL OPERATING PLAN (S.O.P.)





PREEMPTION OPERATION PLAN (P.O.P.)



CONTROLLER OPERATIONS

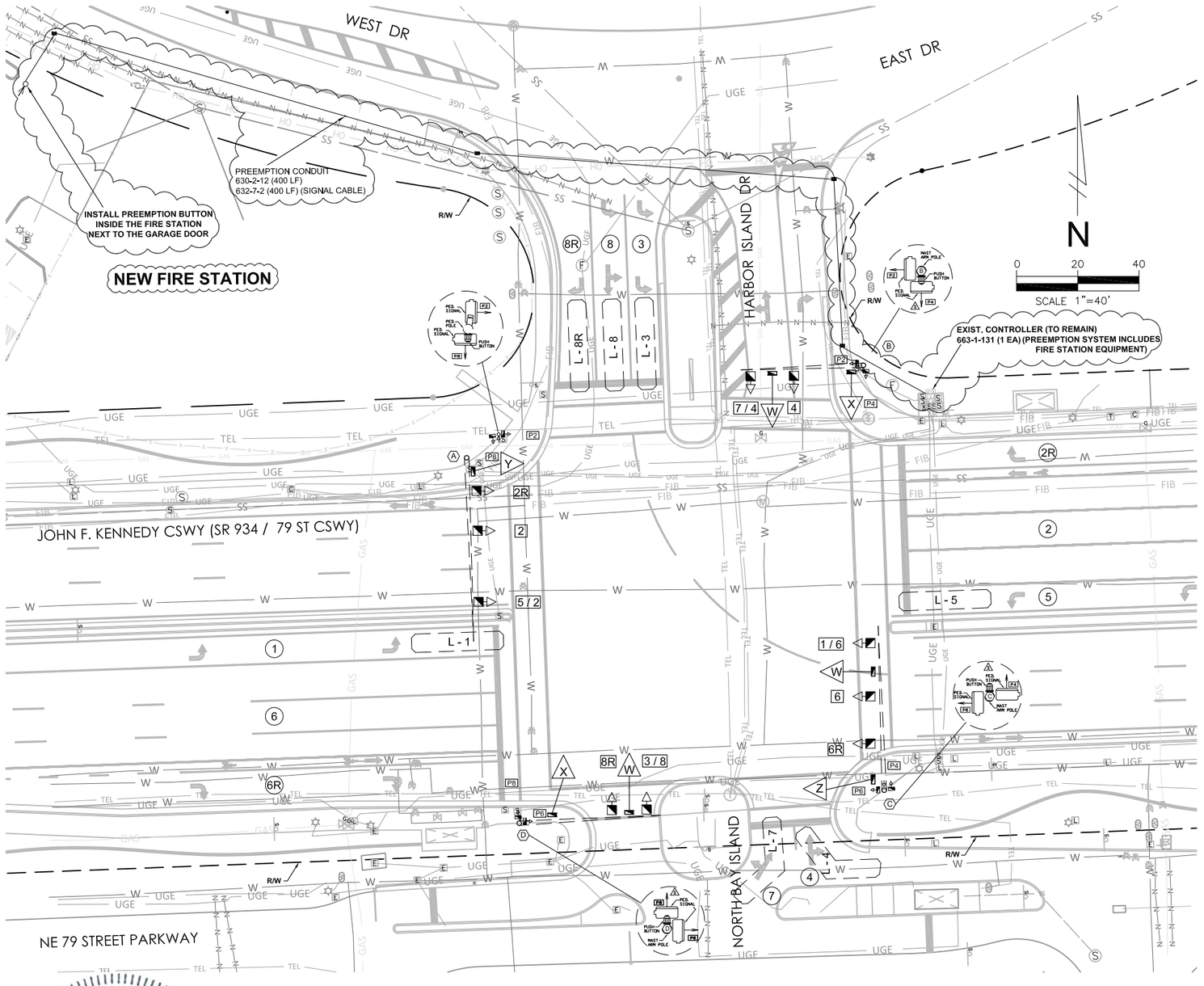
1. MAJOR STREET: J.F. KENNEDY CSWY / SR 934
   MINOR STREET: HARBOR ISLAND DR / NORTH BAY ISLAND
2. SIGNAL OPERATING PLAN (SOP) AS SHOWN
3. PHASES 1, 2, 4 & 5 ARE ACTUATED
4. SIGNAL COORDINATION IS PHASE 3
5. FLASHING OPERATION:
   2 & 6 – FLASHING YELLOW
   4 & 8 – FLASHING RED
6. PREEMPTION IS ACTUATED BY FIRE STATION REQUEST.

NOTES

1. SIGNAL TIMING TO BE PROVIDED BY MIAMI–DADE COUNTY PUBLIC WORKS AND WASTE MANAGEMENT, TRAFFIC SIGNALS AND SIGNS DIVISION.
2. CONTRACTOR SHALL COORDINATE THE LOCATION OF THE PREEMPTION EQUIPMENT IN THE FIRE STATION WITH THE CHIEF.

DETECTORS FOR LOOPS		
LOOP	NO. OF LOOPS	NO. OF DETS.
L-1	1	1
L-3	1	1
L-4	1	1
L-5	1	1
L-7	1	1
L-8	1	1
L-8R	1	1

EXIST. DETS.
(TO REMAIN)



NEW SIGNAL PREEMPTION

ASSET ID: 3015
J.F. KENNEDY CSWY / SR 934 / 79 ST CSWY
AND HARBOR ISLAND

REVISIONS								
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

SEAL:
RICHARD GARCIA
LICENSE
No. 54886
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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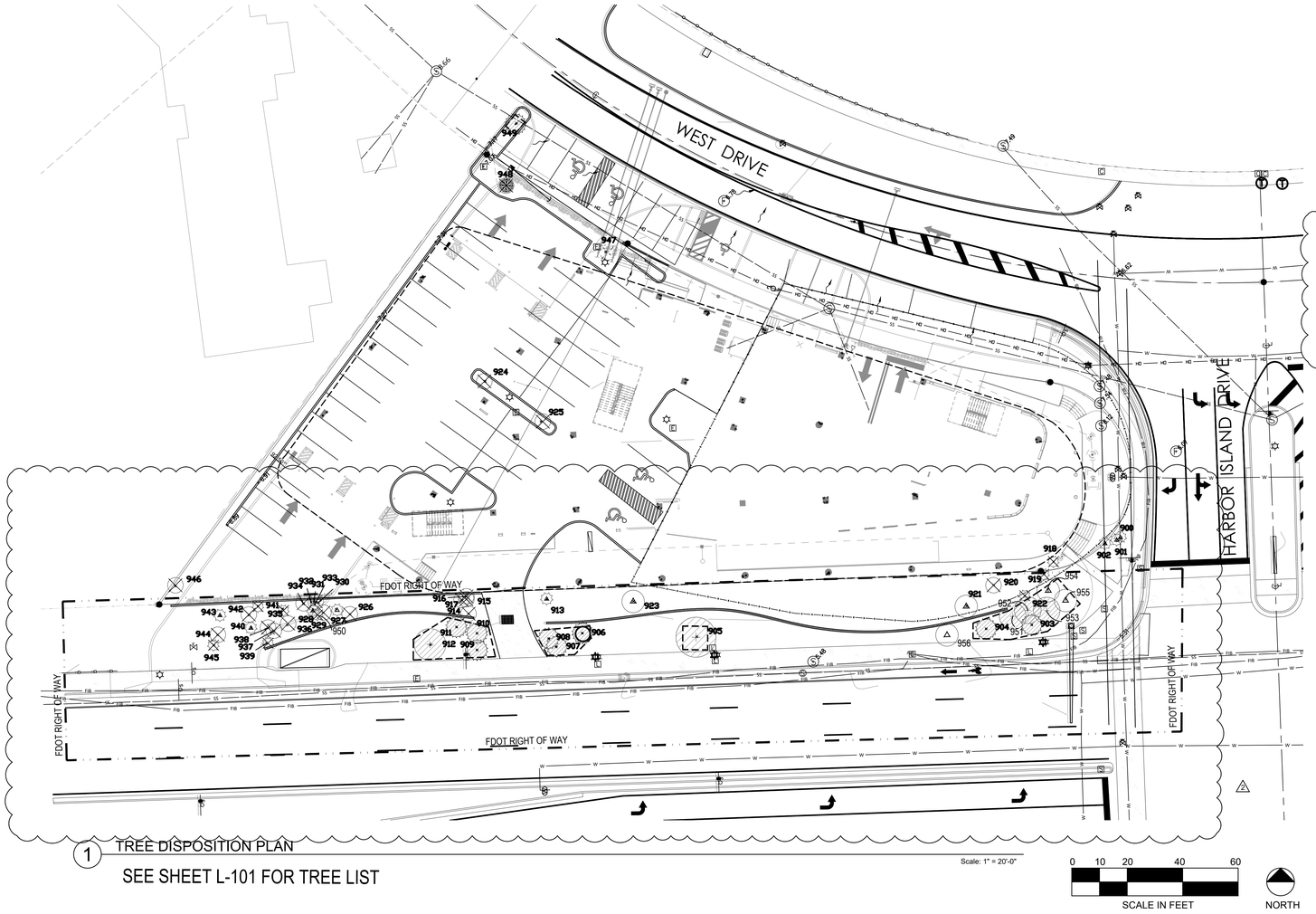
	NAME	DATE		NAME	DATE
DESIGNED BY	C.V.	12/17/2024	DRAWN BY		
CHECKED BY	R.G.	12/17/2024	CHECKED BY		
SUPERVISED BY:	R.G.				

NORTH BAY VILLAGE

SIGNALIZATION PLAN



TREE DISPOSITION LEGEND

TREE/PALM TO REMAIN

TREE/PALM TO REMOVE

TREE/PALM TO RELOCATE

Tree Calculations Table	
Trees to relocate	5
Palms to relocate	8
Total Trees to remove	21
Invasive Trees to remove	13
Palms to remove	9
Canopy to be removed	10,905.00
Canopy requiring Mitigation	9,203.00
Mitigation trees required @12' oa height	18

SEE DETAILS AND NOTES SHEET L-101

1 TREE DISPOSITION PLAN

SEE SHEET L-101 FOR TREE LIST

Scale: 1" = 20'-0"

0 10 20 40 60

SCALE IN FEET

NORTH

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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SOUTH MIAMI, FLORIDA. 33143
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www.curtisrogers.com LC C000241

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10/29/2025

Carlos M. Curtis LA0001330
Jonathan Rogers-Portuondo LA0001693
Daniel Lafuente LA0002746
Mariana Gabriela Bello Dallmeier LA6662746

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33140

7/30/2024 9:10:27 AM

Project Number
WJ 2312 / WA 22303.0

DISTRIBUTION

08-01-2024

REV	DESCRIPTION	DATE
2	Owner's Changes	12/20/24

Tree Disposition Plan

L-100

TREE DISPOSITION LIST (IN FDOT ROW)

NUMBER	Scientific name	Common Name	DBH (")	Height (')	Spread (' DIA)	Condition	Notes	Action	Mitigation Required
903	Phoenix dactylifera	Date Palm	16	20	15	Good		Remain	
904	Phoenix dactylifera	Date Palm	15	20	15	Good		Remain	
905	Quercus virginiana	Live Oak	13	20	25	Good		Remain	
906	Phoenix dactylifera	Date Palm	16	20	15	Good		Remain	
907	Phoenix roebellini	Pygmy Date Palm	4	8	5	Good		Remain	
908	Phoenix roebellini	Pygmy Date Palm	4	8	5	Good		Remain	
909	Phoenix roebellini	Pygmy Date Palm	4	8	5	Good		Remain	
910	Phoenix roebellini	Pygmy Date Palm	4	8	5	Good		Remain	
911	Phoenix roebellini	Pygmy Date Palm	5	8	5	Good		Remain	
912	Quercus virginiana	Live Oak	15	20	20	Good		Remain	
913	**Phoenix dactylifera**	Date Palm	17	20	15	Good		***Relocate***	
914	Schefflera arboricola	Umbrella Tree	6	18	5	Good	Invasive	REMOVE	No
915	Schefflera arboricola	Umbrella Tree	4	15	5	Good	Invasive	REMOVE	No
916	Schefflera arboricola	Umbrella Tree	3	12	5	Good	Invasive	REMOVE	No
917	Phoenix dactylifera	Date Palm	16	20	15	Good		REMOVE	176
920	Ceiba speciosa	Silk Floss Tree	9	12	10	Poor	Toppled	REMOVE	314
921	**Ceiba speciosa**	Silk Floss Tree	8	15	10	Good		***Relocate *****	
922	Ptychosperma elegans	Solitaire Palm	6	12	5	Good		REMOVE	78.5
923	**Bursera simaruba**	Gumbo Limbo	8	12	15	Good		***Relocate *****	
926	Schinus terebinthifolia	Brazilian Pepper	6	12	15	Good	Invasive	REMOVE	No
927	**Phoenix dactylifera**	Date Palm	15	20	15	Good		***Relocate***	
928	**Cocos nucifera**	Coconut Palm	8	18	15	Good		***Relocate***	
929	Schefflera arboricola	Umbrella Tree	4	15	5	Good	Invasive	REMOVE	No
930	Schefflera arboricola	Umbrella Tree	3	10	5	Good	Invasive	REMOVE	No
931	Schefflera arboricola	Umbrella Tree	3	10	5	Good	Invasive	REMOVE	No
932	Schefflera arboricola	Umbrella Tree	3	10	5	Good	Invasive	REMOVE	No
933	Schefflera arboricola	Umbrella Tree	4	15	5	Good	Invasive	REMOVE	No
934	Schefflera arboricola	Umbrella Tree	4	15	5	Good	Invasive	REMOVE	No
935	Roystonea elegans	Royal Palm	5	8	5	Fair	Too young to relocate well	REMOVE	78.5
936	Bursera simaruba	Gumbo Limbo	7	12	10	Good	Growing close to wall	REMOVE	314
937	Schefflera arboricola	Umbrella Tree	6	15	5	Good	Invasive	REMOVE	No
938	Bursera simaruba	Gumbo Limbo	7	12	10	Good	Growing close to wall	REMOVE	314
939	Roystonea elegans	Royal Palm	8	12	10	Fair	Too young to relocate well	REMOVE	314
940	**Cocos nucifera**	Coconut Palm	9	18	15	Good		***Relocate***	
941	Roystonea elegans	Royal Palm	8	10	10	Good	Too young to relocate well	REMOVE	314
942	Schefflera arboricola	Umbrella Tree	4	15	5	Good	Invasive	REMOVE	No
943	**Cocos nucifera**	Coconut Palm	7	18	15	Good		***Relocate***	
944	Coccoloba uvifera	Seagrape	4	10	10	Good	Overgrown shrub -Not considered a tree by MDC	REMOVE	No
945	Roystonea elegans	Royal Palm	8	12	15	Fair	Too young to relocate well	REMOVE	706.5
950	Washingtonia robusta	Mexican Fan Palm	8	8	10	Good		REMOVE	314
951	Pandanus utilis	Screw Pine	6	12	12	Good		Remain	
952	Pandanus utilis	Screw Pine	6	12	12	Good		Remain	
953	Pandanus utilis	Screw Pine	6	12	12	Good		Remain	
954	**Pandanus utilis**	Screw Pine	6	12	12	Good		***Relocate***	
955	**Pandanus utilis**	Screw Pine	6	12	12	Good		***Relocate***	
956	**Pandanus utilis**	Screw Pine	6	12	12	Good		***Relocate***	
							Total Mitigation Required =		2923.5
							Total Replacement Trees required=		6

TREE DISPOSITION LIST (ON CITY PROPERTY)

NUMBER	Scientific name	Common Name	DBH (")	Height (')	Spread (' DIA)	Condition	Notes	Action	Mitigation Required
900	**Sabal palmetto**	Cabbage Palm	10	15	10	Good		***Relocate***	
901	**Sabal palmetto**	Cabbage Palm	9	15	10	Good		***Relocate***	
902	**Sabal palmetto**	Cabbage Palm	12	18	10	Good		***Relocate***	
918	Ptychosperma elegans	Solitaire Palm	7	20	5	Good		REMOVE	78.5
919	Ptychosperma elegans	Solitaire Palm	7	20	5	Good		REMOVE	78.5
924	Quercus virginiana	Live Oak	8	15	15	Good	Stunted growth -confined roots	REMOVE	706.5
925	Quercus virginiana	Live Oak	7	15	10	Good	Stunted growth -confined roots	REMOVE	314
946	Schefflera arboricola	Umbrella Tree	9	18	15	Good	Invasive	REMOVE	No
947	Quercus virginiana	Live Oak	11	15	20	Good	Stunted growth -confined roots	REMOVE	1256
948	Sweitenia mahagoni	Mahogany	18	25	35	Good	3 leaders -in confined space next to pole. Not good relocation candidate	REMOVE	3846.5
949	Sabal palmetto	Cabbage Palm	10	15	10	Good		Remain	
							Total Mitigation Required =		6280
							Total Replacement Trees required=		13

NOTE: TOTAL MITIGATION REQUIRED IS 18 TREES. AS THERE IS NO ROOM ON SITE TO ADD TREES, THE CITY WILL DETERMINE OTHER LOCATIONS ON THEIR PROPERTY TO PLANT THE REPLACEMENT TREES.

** INDICATES A TREE TO BE RELOCATED OFF-SITE TO A LOCATION IN THE CITY TBD

2

Tree Protection Notes

1.0 A Tree Protection Zone (TPZ) shall be established around all trees which are to be retained. The TPZ shall include all such trees in a single cluster, with protective fencing around the perimeter of the cluster.

2.0 The TPZ fencing shall be 4 feet high min., with wood posts spaced max. 10 feet o.c., with 2 x 2 mesh. Orange construction mesh shall be securely attached to posts and rails.

3.0 The area within the TPZ shall be maintained in its current condition. There shall be no grade changes, bulldozing, scarifying or any other type of soil disturbance within this area. No new utilities shall be installed in this area.

4.0 The area within the TPZ shall be kept free of heavy equipment operation. There shall be no movement of heavy equipment within these areas.

5.0 The area within the TPZ shall not be used for any type of materials storage or dumping (including wash water).

6.0 There shall be no damage, wounding, or other types of physical injury made to the tree trunks, buttress roots, surface roots, limbs, branches, or other exposed parts of the trees. No signage shall be attached to the trees and no work stations set up beneath the trees.

7.0 Prior to construction activities, any tree limbs which may interfere with, or are at risk of damage or injury from, construction activities, shall be pruned following the guidelines in the most recent edition of the American National Standards Institute A-300 document. All trees to be retained shall be pruned to clean their crowns, as defined in the ANSI A-300 document (remove dead, diseased, or broken branches).

8.0 Any tree roots which are at risk of being cut, damaged or exposed during excavation activities shall be pruned beforehand using appropriate pruning tools (saws, loppers or clippers) and techniques, leaving clean, smooth cuts at a maximum distance allowable from the tree trunks. When digging trenches using trenchers, backhoes or similar equipment, tree roots shall be cut by hand, using appropriate pruning tools, at least 2 to 4 inches further back, toward the tree, from the edge of the trench and behind the equipment-damaged roots. Trenches shall then be backfilled with sand or existing soil.

9.0 Heavy equipment shall be routed around all TPZ's. Heavy equipment routes shall have gravel or mulch maintained at a minimum depth of 3 to 4 inches at all times to help disperse weight loads and minimize soil compaction and root damage.

TREE RELOCATION NOTES

1.01 PERMITS AND CODES

A. The Contractor shall procure all necessary permits to accomplish all of the work.

B. The Contractor shall be responsible for performing all work in accordance with all applicable regulations, ordinances and code requirements from the appropriate city, county, state and/or federal jurisdiction the project is located in.

C. All Contractors shall be responsible for providing all labor and materials needed to completely and accurately perform the work outlined in these specifications. Equipment and materials furnished shall be of the appropriate type, size and quantity needed to adequately accomplish the specified work.

D. All Contractors shall be responsible for regularly inspecting all equipment to be used on the job site and for providing scheduled preventative maintenance, so as to prevent any damage or injury to landscaping, structures or the environment.

2.0 PREPARATION PRIOR TO TRANSPLANTING

A. Crown Pruning

1. Hardwood tree crowns shall be pruned to remove dead or damaged branches, and to raise or reduce them only as needed to facilitate handling, as directed by the Consulting Arborist. All pruning shall be performed following the latest revision of the American National Standards Institute A-300 pruning standards (ANSI A-300), with the following exceptions:
2. Palms shall have their lower fronds removed up to, but not any more than, the horizontal plane. All inflorescences and fruits shall be removed prior to relocation. Crowns shall be tied-up during the move to prevent damage.

B. Watering and Fertilization

1. Clear the root ball area of all foreign material, trash, etc. to expose undisturbed soil.
2. Trees shall be deep injection fertilized within 24 hours after crown pruning, a minimum of 8 days prior to root pruning. Fertilizer shall be "Micro Mix" liquid as produced by Lesco, Inc., to be diluted at a rate of 1 gallon per 100 gallons of water.
3. Inject into root zone within the limits of proposed rootball at the rate of 50 gallons fluid per 1,000 square feet of tree canopy, using only approved spray equipment.
4. Trees to be root pruned shall be watered two weeks prior to root severance. During this period, the soil moisture in the root zone shall be maintained at an optimum level for growth. This is interpreted to mean that two (2) to three (3) inches shall be applied to the root zone each week to achieve deep watering of the area.

C. Root Pruning

1. Beginning at least 8 to 12 weeks prior to tree relocation all hardwood trees to be relocated shall have their roots pruned.
2. Hardwood trees with trunk diameters (DBH) of 18 inches or greater shall have their roots pruned in two separate operations beginning with two opposite sides of the tree, followed by the other two opposite sides of the tree 8 to 12 weeks later. The trees can typically be moved 8 to 12 weeks after the second root pruning operation. Contractor shall verify this with the tree permit requirements.
3. Palms do not require root pruning prior to digging and moving. They can be pruned the same day as relocation.
4. Rootball sizes for hardwood trees shall be based upon ANSI A-300 Guidelines (8" diameter per 1" DBH), with some variations due to tree- and site-specific conditions.
5. Rootball sizes for Bismarck palms and dwarf sugar palms shall be 36 to 48 inches in diameter. Rootball sizes for latan palms, coconut palms, hurricane palms, and pygmy date palms shall be 24 to 36 inches in diameter. Rootball sizes for cabbage palms shall be 12 to 18 inches in diameter.
6. Rootball depth for all trees and palms to be relocated shall be at least 18 to 24 inches, greater if soil conditions permit.
7. There shall be some allowance for field adjustments in rootball sizes and depths depending on tree and site conditions, as directed by the Consulting Arborist.
8. Root pruning shall be performed using a stump-grinder or more refined equipment such that cuts are clean, smooth and thorough without cuts or tears in the bark, wood or cambium.
9. Following root pruning, the edges of the rootballs of hardwood trees and palms shall be backfilled with 70:30 landscape soil mix, then wrapped with burlap and secured with wire. The trenches shall also be backfilled with 70:30 landscape mix.
10. If cabbage palms and coconut palms are moved the same day they are root-pruned, the rootballs shall not require backfilling and wrapping.
11. Backfilling Trench:
12. All trenches are to be backfilled with planting soil consisting of a mixture 25 % allgrow compost (or approved equal) 60 % sand and 15 % muck. Trenches shall be flooded to remove air pockets. Fill entire trench.
13. Re-establish a 6" berm, 12" outside the root pruning trench using excavated soil.
14. Mulching: Spread Florimulch -shredded maleleuca mulch, 3" thick within the bermed area.
15. Watering After Root Pruning
16. Watering after root pruning shall be three times per week.
17. Watering shall be accomplished by a water truck, or by on-site water supply as required to provide sufficient quantity and pressure. It is the contractor's responsibility to pay for any fees for water use.
18. Watering shall continue until the root generation period is over.
19. Root Regeneration Period shall be 60 days, unless otherwise specified.

2.01 DIGGING AND MOVING

A. The trees and palms shall be dug manually or with the usage of a backhoe and lifted using cranes, loaders, backhoes or other equipment which is appropriate for the size and weight of the trees. They shall be carried directly to the site of relocation and installed.

B. The trees and palms shall be lifted using fiber rope tree slings or other appropriate materials. During lifting the trees and palms shall be balanced in an upright position with their rootballs intact. Tree trunks and branches shall be heavily padded with burlap beneath the braces or lifting straps such that damage to the bark, wood or cambium is prevented. If using a fiber rope lifting strap, it shall be double-wrapped around the burlap and fastened in such a manner as to prevent slippage and subsequent wood, bark or cambium damage.

C. The trees and palms shall not be "pinned" using steel dowels through their trunks or branches, unless otherwise directed by the Consulting Arborist.

D. The rootballs shall be cradled with lifting straps, cables, or within a loader bucket such that the bulk of the tree's weight rests on the rootball, not on the lifting straps attached to the trunks or branches.

E. Once lifting begins, any uncut roots which become apparent around or under the rootball shall be immediately severed with the appropriate pruning tools (saws, loppers, pruning clippers) so as to minimize tearing.

F. The trees and palms shall be set in pre-dug pits, which are slightly wider and approximately the same depth as the rootball. The trees shall be set at or slightly above (no more than 2 inches) final grade. The trees shall be backfilled using a 1:1 mixture of existing soil and 70:30 topsoil mix (70% coarse grade sand and 30% Everglades muck), thoroughly incorporated together. The trees shall be watered in during installation to prevent the formation of air pockets, which could cause settling.

G. Organic wood mulch shall be layered to a depth of 2 to 3 inches over the top and surrounding 6 to 8 inches of the rootballs. Mulch shall not be applied to, or allowed to accumulate directly against the tree trunks

2.02 BRACING AND STAKING

A. The trees and single-trunked palms shall be braced and staked, using a minimum per tree of 3 4"x 4" wooden stakes, attached to 2" x 4" wood battens, double-banded around the burlap-wrapped trunks and branches. Nails shall be driven into the wood battens, not into tree trunks or branches. Damage or injury to trunks or branches shall be avoided.

B. Stakes shall be properly anchored and remain in place for at least 6 to 8 months, or until the trees show adequate signs of healthy new growth

3.00 MAINTENANCE

A. IRRIGATION

1. Beginning at least two weeks prior to root pruning and continuing until the time of root pruning, the trees to be relocated shall be irrigated one time each two to three days using a high volume of water to thoroughly moisten the root zones.
2. Following root pruning and until the time of relocation, the trees to be relocated shall be watered daily at high volume.
3. For at least the first month after relocation, the relocated trees shall be irrigated daily at high volume. After that time, irrigation rates shall be reduced to three times per week, continuing at high rates, for at least three more months.
4. There shall be some allowance for field adjustments in irrigation rates and frequencies due to site, weather, or tree conditions, as directed by the Consulting Arborist.

3.01 FERTILIZATION

A. The trees to be relocated shall be fertilized by Contractor prior to root pruning using a chelated micronutrient mix, mixed at label rates, drenching at least 10 gallons of mixture around the root zone of each tree. Biostimulants and other supplements may also be used if approved by Consulting Arborist.

B. Approximately 6 weeks after relocation, following the trees' first flush of new growth, the contractor shall fertilize the trees at standard rates, as per tree size, using a granular "Palm Special" 8-2-12 product, broadcast on the soil surface beneath the canopy of each tree.

C. During the remainder of the project, the trees shall be fertilized with "Palm Special" 8-2-12 and a chelated micronutrient mix one time each three months, at the rates specified in 3.7 A and B, above.

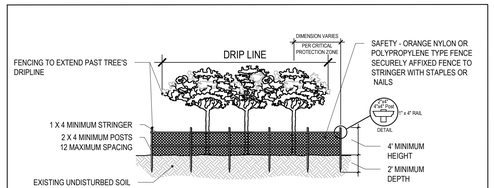
3.01 CLEAN-UP & DEBRIS REMOVAL

A. Contractor shall be responsible for the timely clean-up and removal of all debris generated by the activities specified in this document. All debris shall be collected and properly disposed of at authorized dumping or recycling sites.

3.02 GUARANTEE

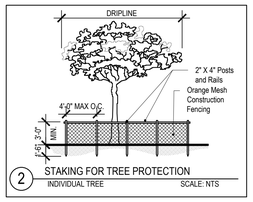
A. The trees shall be guaranteed for a period of eighteen (18) months.

B. If the trees are damaged or die during the relocation process they shall be mitigated at no cost to Owner. Contractor shall replace the dead/damaged tree with new trees as needed to satisfy the City of Coral Gables mitigation requirements found in the Tree Protection and Preservation Ordinance.



NOTES: TREE PROTECTION ZONE (TPZ): THE AREA SURROUNDING A TREE WITHIN A CIRCLE DESCRIBED BY A RADIUS OF ONE FOOT FOR EACH INCH OF THE TREE TRUNK DIAMETER AT 54" ABOVE FINISHED GRADE. FOR GROUPS OF TREES, PLACE BARRICADES BETWEEN TREES AND CONSTRUCTION ACTIVITY. TREE PROTECTION BARRICADES SHALL BE LOCATED TO PROTECT A MINIMUM OF 75% OF THE CRITICAL PROTECTION ZONE.

1 TREE PROTECTION DETAIL
TREE GROUPINGS SCALE: NTS



2 STAKING FOR TREE PROTECTION
INDIVIDUAL TREE SCALE: NTS

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10/29/2025

Alicia M. Curtis, LA0001395
Jared J. Ferrer, LA0001396
Rafael J. Ferrer LA0001396
Electronically Signed and Sealed

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

7/30/2024 9:10:27 AM

Project Number

WJ 2312 / WA 22303.0

DISTRIBUTION

08-01-2024

REV	DESCRIPTION	DATE
2	Owner's Changes	12/20/24

Tree Disposition Notes

L-101

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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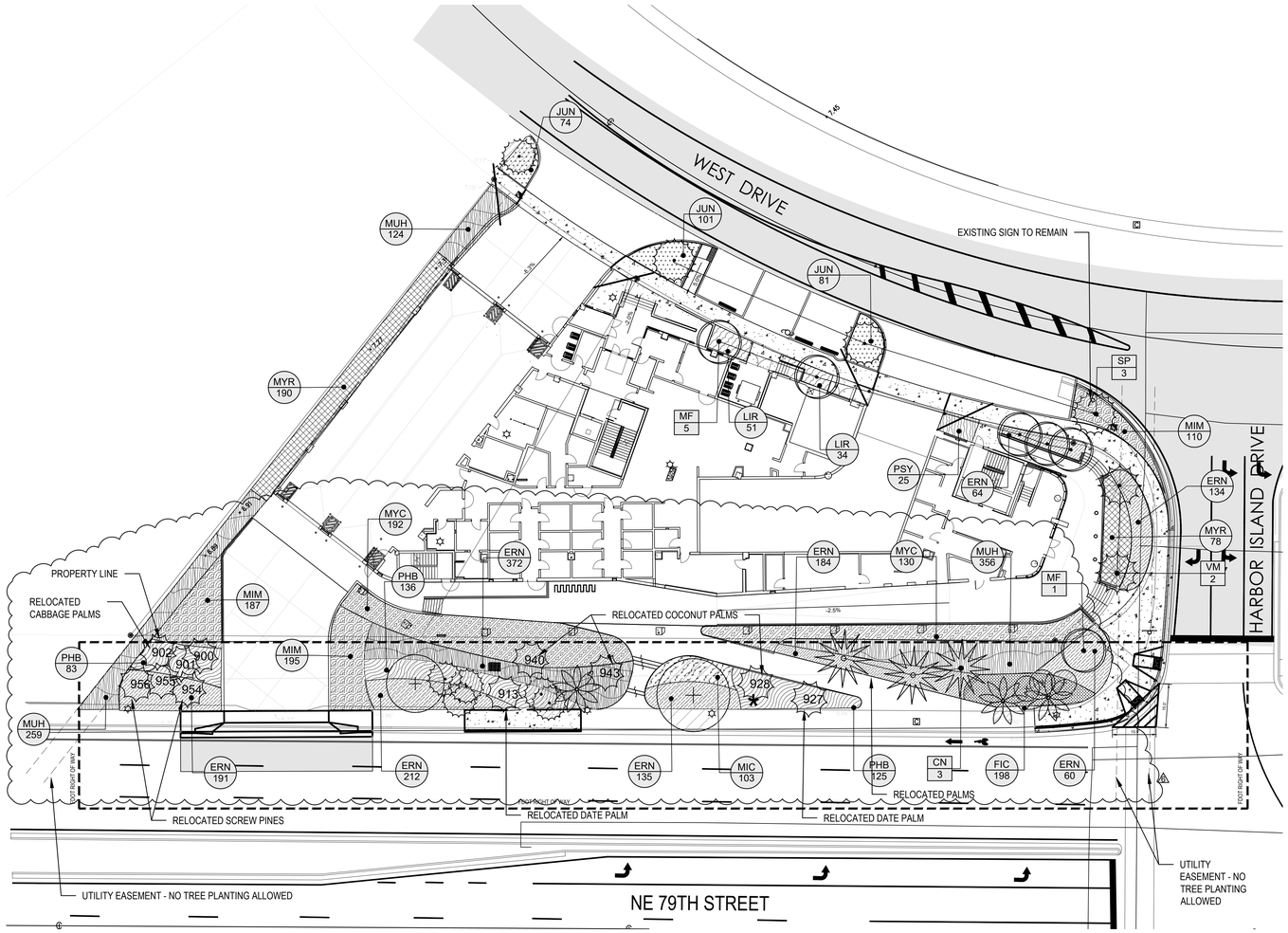

1 PLANTING PLAN

Scale: 1" = 20'-0"

SCALE IN FEET: 0 10 20 40 60

NORTH

* NOTE: DATE PALMS #913 AND #927 SHALL HAVE THE LANDSCAPE LIGHTING RELOCATED WITH THEM. ALL OTHER LANDSCAPE LIGHTING SHALL STAY IN PLACE. IF A CONFLICT ARISES THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED.

TREE LEGEND

## ##	TREE/PALM RELOCATED TO NEW LOCATION SEE TREE DISPOSITION FOR NUMBERS
+	TREE/PALM EXISTING

PLANT SCHEDULE PLANTING GRADE

SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	NATIVE	SALT TOLERANCE	SPACING
TREES								
	MF	8	Myrcianthes fragrans	Simpson's Stopper	12` Ht. Min, 7` Spr. Min., 2.5" DBH Min., Multi-Trunk	Yes	High	
PALM TREES								
	CN	3	Cocos nucifera 'Gold Malayan'	Gold Malayan Coconut Palm	---			
	SP	3	Sabal palmetto	Cabbage Palmetto	16`-18` CT, Matched, Slick			
	VM	2	Veitchia montgomeryana	Montgomery Palm	16' CT, Matched	No	Moderate	
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	NATIVE	SALT TOLERANCE	SPACING
SHRUB AREAS								
	ERN	1,490	Ernodea littoralis	Golden Creeper	18" Ht. Min., 12" Spr. Min.	Yes	Moderate	18" o.c.
	FIC	191	Ficus microcarpa 'Green Island'	Green Island Indian Laurel Fig	18" Ht. Min., 12" Spr. Min.	No	High	18" o.c.
	JUN	256	Juniperus conferta 'compacta'	Dwarf Shore Juniper	12" Ht. Min., 12" Sprd. Min.	No	High	18" o.c.
	LIR	85	Liriope muscari	Lilyturf	12" Ht. Min., 18" Spr. Min.	No	Moderate	18" o.c.
	MIC	105	Microsorum scolopendria	Wart Fern	18" Ht. Min., 12" Spr. Min.	No	Moderate	18" o.c.
	MIM	440	Mimosa strigillosa	Sunshine Mimosa	12" Ht. Min., 12" Sprd. Min.	Yes	Moderate	18" o.c.
	MUH	1,810	Muhlenbergia capillaris	Pink Muhly Grass	18" Ht. Min., 12" Spr. Min.	Yes	High	18" o.c.
	MYR	269	Myrcianthes fragrans	Simpson's Stopper	24" Ht. Min., 18" Spr. Min., FULL 24" o.c	Yes	High	24" o.c.
	MYC	52	Myrica cerifera	Wax Myrtle	24" Ht. Min., 18" Spr. Min., FULL 24" o.c	Yes	High	30" o.c.
	PHB	317	Philodendron burle-marxii	Burle Marx Philodendron	18" Ht. Min., 18" Spr. Min., FULL	No	Low	24" o.c.
	PSY	25	Psychotria nervosa	Wild Coffee	18" Ht. Min., 18" Spr. Min., Full to Base	Yes	Moderate	24" o.c.

NOTES:
- ALL SHRUBS SHALL BE A MINIMUM OF 24" IN HEIGHT.
- ALL PLANT MATERIALS SHALL MEET OR EXCEED FLORIDA #1 STANDARD PER MOST RECENT VERSION OF FLORIDA GRADES AND STANDARDS .
- FULL IRRIGATION PLANS SHALL BE SUBMITTED FOR REVIEW AT TIME OF BUILDING PERMIT
- FLORIDA FRIENDLY PRINCIPLES SHALL BE UTILIZED FOR FINAL PLANTING PLANS, GROUPING PLANTS BY WATER REQUIREMENTS AND PLACING THEM IN APPROPRIATE LOCATIONS FOR LIGHT REQUIREMENTS.
- ALL PLANTS SELECTED SHALL BE SALT TOLERANT AND AT LEAST MODERATELY DROUGHT TOLERANT

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THE PLANS AND SPECIFICATIONS COMPLY WITH THE FLORIDA BUILDING CODE 8TH EDITION (2023) AND THE STATE STATUTES.

10/29/2025

Alda M. Curtis LA0001330
Jeffrey J. Rogers LA0001003
Rafael J. Fornir LA6667366
Marina Llacera Soto Delmar LA6667240

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7/30/2024 9:10:27 AM

Project Number
WJ 2312 / WA 22303.0

DISTRIBUTION
08-01-2024

REV	DESCRIPTION	DATE
1	PLANS REVIEW	06/30/25
2	Revision 6	10/27/25

Planting Plan

L-200

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

MIAMI-DADE COUNTY - LANDSCAPE LEGEND

Zoning District T6-24MU | Net Lot Area (Acres): 0.76 | Square Feet: 32,938

	REQUIRED/ALLOWED	PROVIDED
OPEN SPACE		
A. Square feet Open Space required by Chapter 33, as indicated on Site Plan: Net Lot Area = 32,938 s.f. x 10 % = 3,294 s.f.	3,294	4,909
B. Square feet of parking lot open space required by Chapter 18A, as indicated on site plan: Number of parking Spaces 0 x 10 s.f. per parking space =	0	0
C. Total Square feet of landscaped open space required by Chapter 33= A+B=	3,294	4,909
LAWN AREA CALCULATION		
A. Square feet of landscaped open space as required by Chapter 33=	3,294	2,674
B. Maximum lawn area (St. Augustine sod) permitted = 0 % x sf	N/A	N/A
TREES		
A. Number of trees required per net lot acre		
less existing number of trees meeting minimum requirements = Minus	0	
28 trees x 0.76 net lot acres - number of existing trees = 21	21	7
B. 30 % Palms trees allowed (two palms = one tree) Palms provided = 4	6	2
C. Percentage of Natives required: Number of trees provided x 30% =	2	6
D. Street trees (maximum average spacing of 35' o.c./Palms 25' o.c.):		
linear feet along street/35 =	0	0
NE 79th Street/SR 934: 300 LF (All existing or relocated)	10	15
Palms as Street trees (maximum average spacing of 25' o.c.):		
linear feet along street/25 =		
West Drive: 150 LF (One existing palm to remain)	6	4
Harbor Island Drive: 60 LF	2	2
E. Street trees located directly beneath power lines (max. avg. spacing 25' o.c.)		
linear feet along street/25 = 13	0	0
F. Total number of trees provided =	39	28
SHRUBS		
A. Number of shrubs required: Number of trees required x 10 =	400	4,420
B. % Native shrubs required: Number of Shrubs provided x 30% =	120	3,106
IRRIGATION PLAN		
Required by Chapter 33		
Auto Irrigation or Hose Bib		Auto

4

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10/29/2025

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

7/30/2024 9:10:27 AM

Project Number
WJ 2312 / WA 22303.0

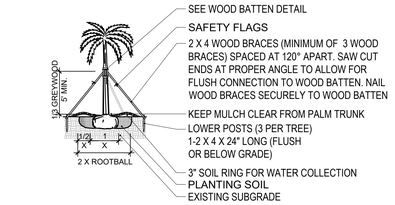
DISTRIBUTION
08-01-2024

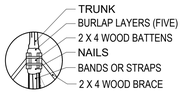
REV	DESCRIPTION	DATE
1	PLANS REVIEW	06/30/25

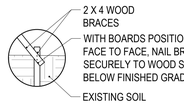
Landscape Legend & Upper Floor Planting

L-201

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.







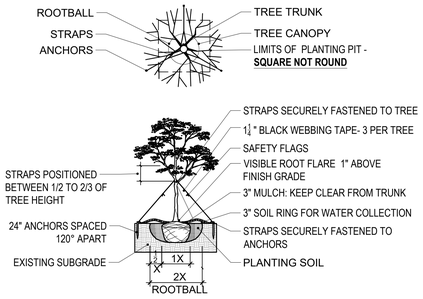
NOTE: STAKE INTO FIRM EXISTING SOIL

WOOD BATTEN DETAIL

WOOD STAKING DETAIL

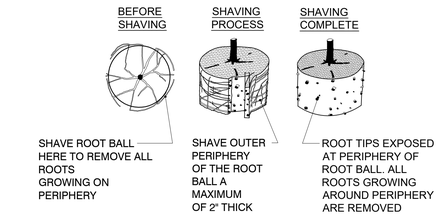
1 PALM PLANTING DETAIL

1/8" = 1'-0"



2 MEDIUM TREE PLANTING DETAIL

1/8" = 1'-0"

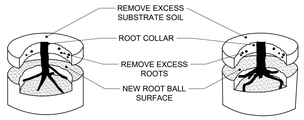


NOTES:
1- SHAVING TO BE CONDUCTED USING A SHARP BLADE OR HAND SAW ELIMINATING NO MORE THAN NEEDED TO REMOVE ALL ROOTS ON THE PERIPHERY OF ROOT BALL.
2- SHAVING CAN BE PERFORMED JUST PRIOR TO PLANTING OR AFTER PLACING IN THE HOLE.

3 ROOTBALL SHAVING CONTAINER DETAIL

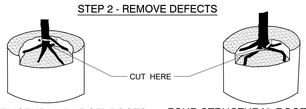
3/16" = 1'-0"

STEP 1 - REMOVE SUBSTRATE OVER ROOT COLLAR



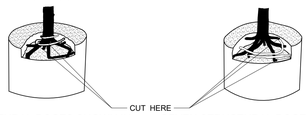
TREE PLANTED TOO DEEPLY IN ROOT BALL. REMOVE EXCESS SUBSTRATE AND ROOTS TO MEET ROOT INSPECTION DETAIL.

STEP 2 - REMOVE DEFECTS



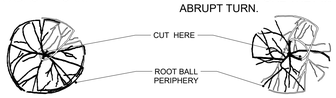
FIVE STRUCTURAL (LARGE) ROOTS SHOWN IN BLACK. REMOVE STRUCTURAL ROOT (WHITE) WRAPPING ROOT COLLAR.

FOUR STRUCTURAL ROOTS SHOWN IN BLACK. REMOVE ROOT (WHITE) GROWING OVER STRUCTURAL ROOTS.



SIX STRUCTURAL ROOTS SHOWN IN BLACK. REMOVE ROOTS (WHITE) GROWING OVER ROOT COLLAR BY CUTTING THEM JUST BEFORE THEY MAKE AN ABRUPT TURN.

SEVEN STRUCTURAL ROOTS SHOWN IN BLACK. REMOVE STRUCTURAL ROOTS (WHITE) GROWING AROUND OR OVER ROOT COLLAR BY CUTTING THEM JUST BEFORE THEY MAKE AN ABRUPT TURN.



CUT STRUCTURAL ROOT JUST BEFORE IT MAKES ABRUPT TURN. PRUNING CUT SHOULD BE MADE TANGENT (PARALLEL) TO THE TRUNK.

CUT STRUCTURAL ROOTS JUST BEFORE THEY MAKE ABRUPT TURN BY CUTTING TANGENT (PARALLEL) TO THE TRUNK (TWO CUTS SHOWN).

NOTES:
1- ALL TREES SHOWN ARE REJECTABLE UNLESS THEY UNDERGO RECOMMENDED CORRECTION.
2- FIRST STEP 1, THEN STEP 2. ROOTS AND SOIL MAY BE REMOVED DURING THE CORRECTION PROCESS; SUBSTRATE/SOIL SHALL BE REPLACED AFTER CORRECTION HAS BEEN COMPLETED.
3- TREES SHALL MEET ROOT OBSERVATIONS DETAIL FOLLOWING CORRECTION.
4- SMALL ROOTS (1/4" OR LESS) ON THE PERIPHERY OF THE ROOT BALL ARE COMMON WITH CONTAINER PLANT PRODUCTION. THESE SMALL ROOTS ARE NOT DEFINED AS "DEFECTS" AND CAN BE ADDRESSED AT THE TIME OF INSTALLATION (SEE ROOT BALL SHAVING CONTAINER DETAIL).

4 ROOT CORRECTION DETAIL - CONTAINER

3/16" = 1'-0"

5 SOD ADJACENT TO ASPHALT DETAIL

3/16" = 1'-0"

6 SOD ADJACENT TO CONCRETE DETAIL

3/16" = 1'-0"

NOTE:
TOP OF MULCH TO BE 1/2" BELOW PAVEMENT OR SOD

7 GROUNDCOVER PLANTING DETAIL

1/4" = 1'-0"

8 SHRUB PLANTING DETAIL

3/16" = 1'-0"

LANDSCAPE SPECIFICATIONS

1. GENERAL

1.01 The contractor shall obtain and pay for all permits related to this section of work unless previously excluded.
1.02 Before changes or substitutions can be made due to unavailability of plant material, submit evidence of having undertaken methods of locating plant material that is acceptable to the Landscape Architect.
1.03 In the case of discrepancy in the plant quantities between the plan drawings, plant call outs, plant list or plant schedule, the number of plants or square footage of the planting bed actually drawn on the plan drawings shall be deemed correct and prevail.
1.04 Evidence of inadequate protection following digging, carelessness in transit, or improper storage or handling shall be cause for rejection.
1.05 Submittals: Contractor to submit all product submittals 8 weeks prior to installation of plantings.
a) Product Data: submit manufacturer product data and literature describing all products required by this section to the Landscape Architect for approval.
b) Samples: submit samples of each product and material where required, to the Landscape Architect for approval. Label samples to indicate product, characteristics and locations in the work. Samples will be reviewed for appearance only. Compliance with other requirements is the responsibility of the Contractor.
c) Plant sources: submit sources of plants to the Landscape Architect for approval.
1.06 Pre-Construction Conference: Contractor shall schedule a pre-construction conference with the Landscape Architect at least seven (7) days before beginning the work, to review any questions the Contractor may have regarding the work, administrative procedures during construction and project work schedule.
1.07 The Landscape Architect shall be informed of the progress of the work so that the work may be observed at the following key times in the construction process.
a) Site Conditions Prior to Start of Planting - to review soil and drainage conditions
b) Completion of Plant layout staking- review of plant layout
c) Plant Quality- Review of plant quality at time of delivery and prior to installation. The Landscape Architect reserves the right to select and observe all plants at the nursery prior to delivery. If a particular defect or substandard element can be corrected at the nursery as determined by the landscape architect, the agreed upon remedy may be applied by the nursery or contractor provided that the correction allows the plant to meet the requirements stipulated in this section. Any work to correct defects shall be at the contractor's expense.
The landscape architect may choose to attach their seal to each plant or a representative sample. Viewing or sealing of plants by the Owner's representative at the nursery does not preclude the landscape architect to reject the plant material while on site.
d) Completion of the Planting- review the completed planting.
1.08 The Landscape Architect shall inspect all work for Substantial Completion upon notice of completion. Upon completion and re -inspection of all repairs or renewals necessary in the judgement of the Landscape Architect, the Landscape Architect will recommend to the Owner the Acceptance of the work.
1.09 Following Acceptance, maintenance of the plant material shall become the Owners responsibility. The Contractor shall provide the Owner with a typewritten recommended maintenance program at the time of Acceptance. Make periodic inspections of the Owners maintenance during the guarantee period. Submit written report to the Owner of any corrective measures required to keep the guarantee valid.
1.10 It is the responsibility of the contractor to be aware of all surface and subsurface conditions, and to notify the Landscape Architect, in writing of any circumstances that would negatively impact the health of plantings. Do not proceed with work until satisfactory conditions have been corrected.
1.11 All plant material shall be guaranteed for a period of one (1) year from the time of Acceptance.
1.12 Sod shall be guaranteed for a period of 90 days from the time of Acceptance. Replacement sod under this guarantee shall be guaranteed for an additional 90 days from the date of installation. Repair any damage caused by sod replacement at no cost to the Owner.
1.13 Plants shall be healthy, free of pests and disease, and in flourishing condition at the end of the guarantee period. Plants shall be free of dead and dying branches and branch tips, and shall bear foliage of normal density, size and color.
1.14 Replace dead plants and all plants not in a vigorous, thriving condition, as determined by the Landscape Architect, during and at the end of the guarantee period, without cost to Owner, as soon as weather conditions permit and within the specified planting period.
Replacements shall closely match adjacent specimens of the same species. Replacements shall be subject to all requirements stated in these specifications.
a. Make all necessary repairs caused by plant replacement activities.
b. The guarantee of all replacement plants shall extend for an additional one year period from the date of their acceptance after replacement. In the event that a replacement plant is not acceptable during or at the end of the said extended guarantee period, the Owner may elect either one more replacement, without guarantee, or credit for each item.
1.15 At the end of the guarantee period, the Landscape Architect will inspect the work for Final Acceptance. Upon completion of all repairs or replacements necessary, in the judgement of the Landscape Architect, the work will be recommended for Final Acceptance by the Owner.

II PRODUCTS

2.01 All plant material shall be Florida No. 1, as specified in the Grades and Standards for Nursery Plants, 2015 or latest edition unless otherwise noted.
2.02 All plant material shall meet or exceed the size requirements as specified in the plant list. No substitutions shall be accepted without the Landscape Architect's approval. If a range of size is given, no plant shall be less than the minimum size and not less than 50 percent of the plants shall be as large as the maximum size specified.
2.03 Contractor shall schedule with Landscape Architect a time in which to view plant material in the nursery prior to installation.
2.04 Planting soil shall consist of a mixture of 60% sand and 40% muck with a PH between 6.5 and 7.5.
2.05 Mulch shall be shredded Grade "A" Eucalyptus as manufactured by AACTION Nursery Products or approved equal. Submit suppliers product specification data sheet and a one gallon sample for approval.
2.06 Fertilizer for planting shall be Agriform planting tablets 20-10-5 formula, 21 gram. Fertilizer for palms shall be "Palm Special" - from AFEC 8-4-12. Submit suppliers product specification data sheet.
2.07 Fertilizer for sod shall be granular fertilizer having a 12-6-8 analysis. Submit suppliers product specification data sheet.
2.08 Weed control fabric shall be Pro5 Weed barrier by Dewitt or approved equal. Submit suppliers product specification data sheet.
2.09 Sod shall be free of weeds and the roots shall be thoroughly knit to the soil. At Substantial Completion all areas shall show a uniform stand of the specified grass in a healthy condition with no visible gaps or joints. Roll sod, except on pegged areas, with roller weighing no more than 150 lbs. per foot of roller width to eliminate air pockets. Sod shall be irrigated immediately before and/or after rolling. Topdressing to fill cracks and low spots shall be repeated throughout the guarantee period as needed.
2.10 Tree guying and staking material shall be as shown in the details. Submit manufacturer's product data for approval.
2.11 Watering Bags: Plastic watering bags holding a minimum of 25 gallons of water and with a slow drip hole water release system, specifically designed to water establishing trees. Water should release over a several day period, not within a few hours. Watering bags shall be Treegator Irrigation Bags sized to appropriate model for requirements of the plant, as manufactured by Spectrum Products, Inc,. Youngsville, NC. 27596, or approved equal. Submit suppliers product specification data sheet and a 2 bag- samples for approval.

III EXECUTION

3.01 Contractor is responsible for verifying all underground utilities and obtaining the necessary clearances prior to planting.
3.02 Contractor shall examine subgrade and rough grade before planting and alert Landscape Architect of any unacceptable subgrade or rough grade. The Contractor shall notify the Landscape Architect, in writing, of all soil or drainage conditions that he/she considers detrimental to growth of plant material. If the contractor fails to notify the Landscape Architect of such conditions, he/she shall remain responsible for the plant material through the guarantee period.
3.03 Volumetric soil moisture level, in both the planting soil and the root balls of all plants, prior to, during and after planting shall be above permanent wilting point and below field capacity for each type of soil texture within the following ranges.

Soil Type	Permanent Wilting Point	Field Capacity
Sand, Loamy sand, Sandy Loam	5-8%	12-18%
Loam, Sandy Clay, Sandy Clay Loam	14-25%	27-36%

Volumetric soil moisture shall be measured with a digital moisture meter. The meter shall be the Digital Soil Moisture Meter, DSMM500 by General Specialty Tools and Instruments, or approved equivalent.
The Contractor shall confirm the soil moisture levels with a moisture meter. If the moisture is too high, suspend planting operations until the soil moisture drains to below field capacity.

3.04 Subgrade of planting areas shall be loosened or scarified to a minimum depth of 6 inches prior to spreading planting soil. Subgrade shall be brought to true and uniform grade and shall be cleared of stones greater than 2 inch, sticks and other extraneous material.
3.05 Excavation of the Planting Space: Using hand tools or tracked mini-excavator, excavate the planting hole into the existing soil to the depth of the root ball measured after any root ball modification to correct root problems, and wide enough for working room around the root ball or to the size indicated on the drawing or as noted below.
1. For trees and shrubs planted in soil areas that are NOT tilled or otherwise modified to a depth of at least 12 inches over a distance of more than 10 feet radius from each tree, or 5 feet radius from each shrub, the soil around the root ball shall be loosened as defined below or as indicated on the drawings.
a. The area of loosening shall be a minimum of 3 times the diameter of the root ball at the surface sloping to 2 times the diameter of the root ball at the depth of the root ball.
b. Loosening is defined as digging into the soil and turning the soil to reduce the compaction. The soil does not have to be removed from the hole, just dug, lifted and turned. Lifting and turning may be accomplished with a tracked mini excavator, or hand shovels.
2. If an auger is used to dig the initial planting hole, the soil around the auger hole shall be loosened as defined above for trees and shrubs planted in soil areas that are NOT tilled or otherwise modified.
3. The measuring point for root ball depth shall be the average height of the outer edge of the root ball after any required root ball modification.
4. If motorized equipment is used to deliver plants to the planting area over exposed planting beds, or used to loosen the soil or dig the planting holes, all soil that has been driven over shall be tilled to a depth of 6 inches.
3.06 For trees to be planted in prepared planting soil that is deeper than the root ball depth, compact the soil under the root ball using a mechanical tamper to assure a firm bedding for the root ball. If there is more than 12 inches of planting soil under the root ball excavate and tamp the planting soil in lifts not to exceed 12 inches.
3.07 Backfill the space around the root ball with the same planting soil or existing soil that was excavated for the planting space. See Planting Soil- above, for requirements to modify the soil within the planting bed.
A. When the planting hole has been backfilled to three quarters of its depth, water shall be poured around the root ball and allowed to soak into the soil to settle the soil. Do not flood the planting space. If the soil is above field capacity, allow the soil to drain to below field capacity before finishing the planting. Air pockets shall be eliminated and backfill continued until the planting soil is brought to grade level.
B. Where indicated on the drawings, build a 4 inch high, level berm of planting soil around the outside of the root ball to retain water. Tamp the berm to reduce leaking and erosion of the saucer.
C. Thoroughly water the planting soil and root ball immediately after planting.
3.08 All areas to receive shrub planting shall be prepared with planting soil.
3.09 All areas to receive sod shall have a minimum of 2" of planting soil.
3.10 New trees, palms, shrubs and groundcovers shall be fertilized in accordance with manufacturers recommendations.
3.11 Sodded areas shall be fertilized with granular fertilizer at a rate of 12 lbs per 1000 S.F. of lawn and in accordance with the manufacturer's recommendations.
3.12 After planting, smooth out all grades between plants before mulching. Separate the edges of planting beds and lawn areas with a smooth, formed edge cut into the turf with the bed mulch level slightly lower, 1 and 2 inches, than the adjacent turf sod or as directed by Landscape Architect. Bed edge lines shall be a depicted on the drawings.
3.13 All planted areas are to receive a 3"-4" layer of mulch.
3.13 Weed control fabric shall be installed as per manufacturer's recommendations.
3.14 Do not stake or guy trees unless specifically required by the Contract Documents, or in the event that the Contractor feels that staking is the only alternative way to keep particular trees plumb.
1. The Landscape Architect shall have the authority to require that trees are staked or to reject staking as an alternative way to stabilize the tree.
2. Trees that required heavily modified root balls to meet the root quality standards may become unstable. The Landscape Architect may choose to reject these trees rather than utilize staking to temporarily support the tree.
A. Trees that are guyed shall have their guys and stakes removed after one full growing season or at other times as required by the Landscape Architect.
B. If tree guying is necessary, Contractor shall utilize the tree staking and guying materials specified.
3.15 The contractor shall be fully responsible to ensure that adequate water is provided to all plants from the point of installation until the date of substantial completion acceptance. The contractor shall adjust the automatic irrigation system, if available, and apply additional or adjust for less water using hoses as required.
3.16 Contractor shall maintain all plant material including sod until acceptance. Maintenance shall consist of mowing, edging, pruning, watering, weeding, mulching, removal of dead material, maintaining plants in a plumb position, resetting plants to proper grades and upright position, and furnishing and applying such sprays as are necessary to keep plants free of insects and disease, and in a healthy growing condition.

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10/29/2025

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Jennifer Rogers-Ronanella LA6663093
Michael Wolfberg LA6667246
Mariana Galvez Bolo,Dalmau LA6667246

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

7/30/2024 9:10:27 AM

Project Number
WJ 2312 / WA 22303.0

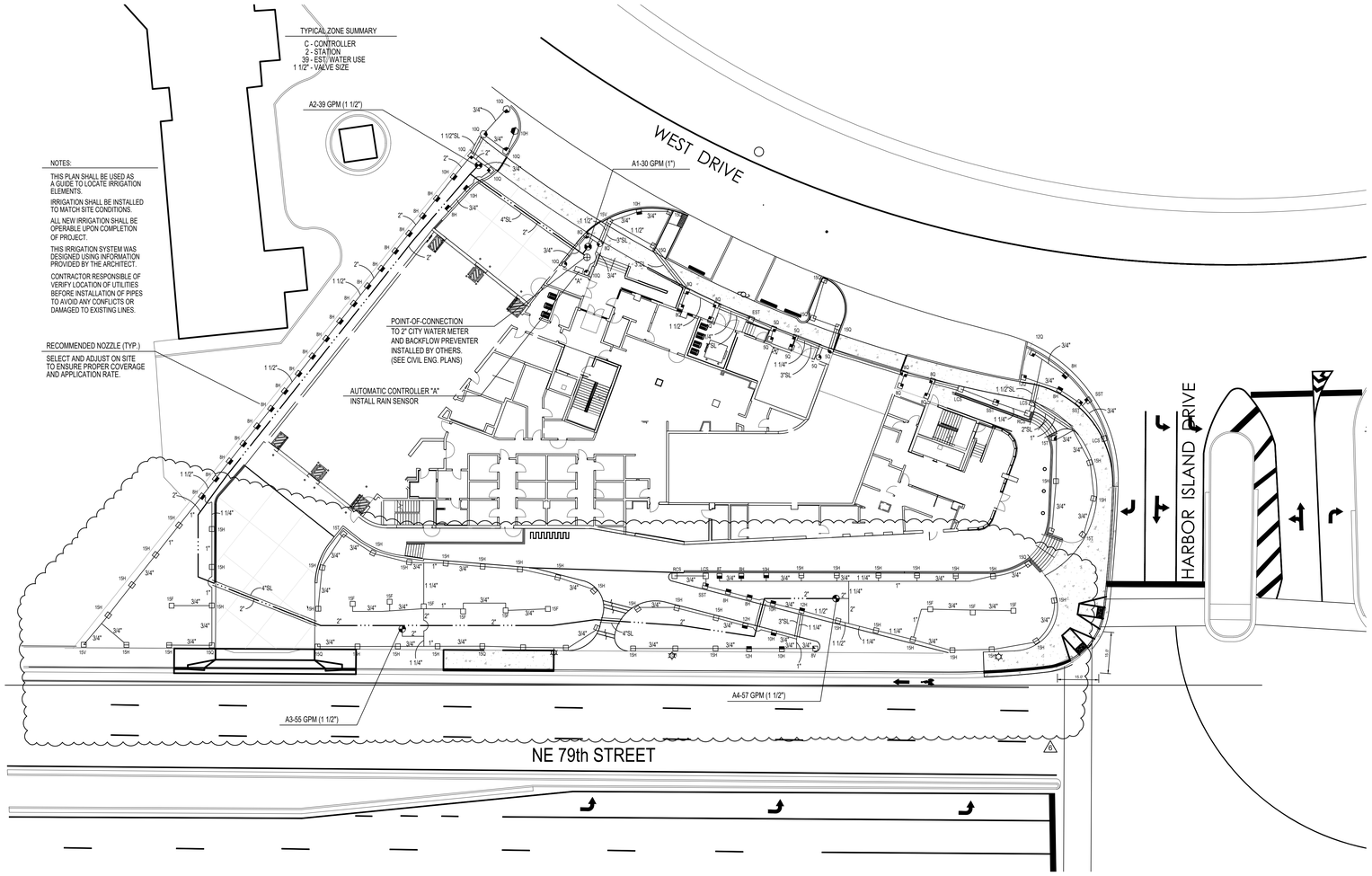
DISTRIBUTION
08-01-2024

REV	DESCRIPTION	DATE

Planting Notes & Details

L-202

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



1 GROUND LEVEL IRRIGATION PLAN

Scale: 1" = 20'-0"

0 10 20 40 60

SCALE IN FEET

NORTH

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

7/30/2024 9:10:27 AM

Project Number

WJ 2312 / WA 22303.0

DISTRIBUTION

08-01-2024

REV	DESCRIPTION	DATE
2	Owner's Changes	12-20-24
6	Revision 6	10-27-25

Irrigation Plan

L-300

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

LEGEND

SYMBOL	MODEL NO.	DESCRIPTION	* EST. QTY.
5Q	PABS-5Q	RAINBIRD ADJ. SHRUB SPRAY	05
8Q	PABS-8Q	RAINBIRD ADJ. SHRUB SPRAY	09
8T	PABS-8T	RAINBIRD ADJ. SHRUB SPRAY	01
8H	PABS-8H	RAINBIRD ADJ. SHRUB SPRAY	25
10Q	PABS-10Q	RAINBIRD ADJ. SHRUB SPRAY	02
10T	PABS-10T	RAINBIRD ADJ. SHRUB SPRAY	01
10H	PABS-10H	RAINBIRD ADJ. SHRUB SPRAY	06
12V	PABS-12V	RAINBIRD ADJ. SHRUB SPRAY	00
12Q	PABS-12Q	RAINBIRD ADJ. SHRUB SPRAY	02
12T	PABS-12T	RAINBIRD ADJ. SHRUB SPRAY	01
12H	PABS-12H	RAINBIRD ADJ. SHRUB SPRAY	03
EST	PABS-15EST	RAINBIRD ADJ. SHRUB SPRAY	01
RCS	PABS-15RCS	RAINBIRD ADJ. SHRUB SPRAY	05
LCS	PABS-15LCS	RAINBIRD ADJ. SHRUB SPRAY	04
SST	PABS-15SST	RAINBIRD ADJ. SHRUB SPRAY	04
15Q	PABS-15Q	RAINBIRD ADJ. SHRUB SPRAY	09
15T	PABS-15T	RAINBIRD ADJ. SHRUB SPRAY	05
15H	PABS-15H	RAINBIRD ADJ. SHRUB SPRAY	42
15F	PABS-15F	RAINBIRD ADJ. SHRUB SPRAY	10
5Q	1806-5Q	RAINBIRD ADJ. POP-UP SPRAY (6")	02
8Q	1806-8Q	RAINBIRD ADJ. POP-UP SPRAY (6")	02
10Q	1806-10Q	RAINBIRD ADJ. POP-UP SPRAY (6")	02
10Q	1812-10Q	RAINBIRD ADJ. POP-UP SPRAY (12")	03
10H	1812-10H	RAINBIRD ADJ. POP-UP SPRAY (12")	01
	075-DVF	RAINBIRD 3/4" SOLENOID VALVE	01
	100-PEB	RAINBIRD 1" SOLENOID VALVE	02
	150-PEB	RAINBIRD 1 1/2" SOLENOID VALVE	02
"X"	ESP-8LXME	RAIN BIRD AUTOMATIC CONTROLLER	01
"B"	075-DV	RAIN BIRD AUTOMATIC CONTROLLER	01
NOT SHOWN	RSD-BEx	RAIN BIRD RAIN SENSOR	01
NOT SHOWN	PAIGE THHN WIRE #12 AWG COMMON #14 AWG CONTROL		AS REQUIRED
NOT SHOWN	SCH 40 GALVANIZED STEEL		AS REQUIRED
	SCH 40 PVC MAIN SLEEVES		AS REQUIRED
NOT SHOWN	SPRINKLER RISERS		
NOT SHOWN	PVC FITTINGS		
NOT SHOWN	WIRE CONDUIT		
	TYPE 1120 PVC LATERALS SDR 26, CLASS 160 (1" AND LARGER) SDR 21, CLASS 200 (3/4")		AS REQUIRED
NOT SHOWN	MASTER VALVE (TO LINE SIZE)		01
	VALVE BOXES		06
"X"	GROUNDING LOCATION		01
POC	POINT-OF-CONNECTION		01
NOT SHOWN	BACKFLOW PREVENTER		BY OTHERS
NOT SHOWN	2" CITY WATER METER		BY OTHERS

NOTE: ABOVE QUANTITIES ARE FOR COMPARISON ONLY.
CONTRACTOR SHALL VERIFY PRIOR TO SUBMITTING BID.

ZONE SUMMARY CHART

GROUND LEVEL

STA NO.	VALVE	SPRINKLER TYPE	VALVE SIZE	WATER DEMAND	RUN *TIME	WEEKLY USAGE
1	A1	SPRAY	1"	30 GPM	40 MIN/WK	1200 GAL/WK
2	A2	SPRAY	1"	39 GPM	40 MIN/WK	1560 GAL/WK
3	A3	SPRAY	1 1/2"	55 GPM	40 MIN/WK	2200 GAL/WK
4	A4	SPRAY	1 1/2"	57 GPM	40 MIN/WK	2280 GAL/WK
5-8	SPARE					
					160 MIN/WK	7,240 GAL/WK

* APPROXIMATE RUN TIME TO APPLY 1.0 IN/WK

UPPER LEVEL

STA NO.	VALVE	SPRINKLER TYPE	VALVE SIZE	WATER DEMAND	RUN *TIME	WEEKLY USAGE
1	B1	SPRAY	3/4	03 GPM	40 MIN/WK	120 GAL/WK
					40 MIN/WK	120 GAL/WK

* APPROXIMATE RUN TIME TO APPLY 1.0 IN/WK

IRRIGATION NOTES & SPECIFICATIONS

AUTOMATIC IRRIGATION SYSTEM
WATER DEMAND / ZONE — REFER TO PLAN
WATER SOURCE-GROUND LEVEL — 2" CITY WATER METER
WATER SOURCE-UPPER LEVEL — BUILDING DOMESTIC WATER
PRESSURE REQUIRED — 50 PSI

GENERAL

IRRIGATION SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES, CONTRACT DRAWINGS, CONTRACT SPECIFICATIONS. AND APPENDIX "F" OF THE SOUTH FLORIDA BUILDING CODE.

IRRIGATION DESIGN BASED ON "SITE LANDSCAPE PLAN" DATED JUNE 2024. CONTRACTOR SHALL REFER TO THIS PLAN TO COORDINATE SPRINKLER LOCATIONS AND PIPE ROUTING WITH NEW AND EXISTING PLANT LOCATIONS.

THIS IRRIGATION PLAN SHALL BE USED AS A GUIDE ONLY. THIS IRRIGATION SHALL BE INSTALLED TO MATCH ON SITE CONDITIONS AND TO OVERCOME THE INHERENT INACCURACIES THAT RESULT WHEN DESIGNING FROM BASE PLANS SCALED AT 1"=20' AND 1"=10'.

THIS SITE SHALL BE IRRIGATED WITH TWO INDEPENDENT SYSTEMS. THE WATER SOURCE FOR THE GROUND LEVEL SHALL BE A 2" CITY WATER METER. THE WATER SOURCE FOR THE UPPER LEVEL SHALL BE A POINT-OF-CONNECTION TO DOMESTIC WATER.

BACKFLOW PREVENTION SHALL BE INSTALLED TO MEET LOCAL CODE REQUIREMENTS FOR CROSS CONNECTION CONTROL. A PRESSURE VACUUM BREAKER SHALL BE INSTALLED IN EACH CITY WATER SYSTEM.

IRRIGATION HAS BEEN DESIGNED AS A TYPICAL BLOCK VALVE TYPE USING RAINBIRD SPRAY SPRINKLERS, IN-LINE VALVES, AND CONTROL SYSTEMS. RAIN SENSORS SHALL BE INSTALLED TO CONSERVE WATER.

CONTRACTOR IS ADVISED TO STUDY THE PLANS FOR ADDITIONAL INFORMATION AND TO VISIT THE SITE TO BECOME FAMILIAR WITH EXISTING CONDITIONS.

TO ENSURE PROPER OPERATION, PRESSURE REQUIRED, SOURCE SIZE, VALVE SIZES, ZONE CAPACITIES, SPRINKLER SPACING, PIPE AND WIRE SIZES, INSTALLATION NOTES AND DETAILS, AND SPECIFICATIONS SHALL BE FOLLOWED AS SHOWN.

PIPING

PIPE ROUTING IS SCHEMATIC ONLY AND SHALL BE ADJUSTED FOR ON SITE CONDITIONS. PIPE SHALL BE INSTALLED TO MINIMIZE DAMAGED TO THE ROOT SYSTEMS OF EXISTING TREES AND PLANTS.

PIPE SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND PIPE MANUFACTURER'S INSTRUCTIONS.

PIPE ROUTED UNDER HARDSCAPED AREAS SHALL BE SLEEVED IN SCH 40 PVC. EACH SLEEVE SHALL: (1) BE BURIED TO A MINIMUM DEPTH OF 18", (2) BE TWO PIPE SIZES LARGER THAN THE CARRIER PIPE, AND (3) EXTEND 3' BEYOND HARDSCAPED AREA. CONTRACTOR SHALL VERIFY THE SIZE, DEPTH AND LOCATION OF ALL EXISTING SLEEVES.

PIPE INSTALLED ABOVE GRADE FOR EACH BACKFLOW PREVENTER SHALL BE SCH 40 GALVANIZED STEEL. ALL OTHER PIPE AND FITTINGS SHALL BE TYPE 1120 PVC. MAIN LINE, PIPE HUNG FROM SLAB AND FITTINGS SHALL BE SCH 40. LATERALS SIZED 1" AND LARGER SHALL BE SDR 26, CLASS 160. LATERALS SIZED 3/4" SHALL BE SDR 21, CLASS 200.

PIPE SIZED TO LIMIT FLOW VELOCITIES TO 5 FEET/SECOND AND TO LIMIT FRICTION LOSS IN THE PIPING NETWORK.

PIPE SHALL BE INSTALLED AT SUFFICIENT DEPTH BELOW GROUND TO PROTECT IT FROM HAZARD SUCH AS VEHICULAR TRAFFIC OR ROUTINE OCCURRENCES WHICH OCCUR IN THE NORMAL USE AND MAINTENANCE OF THE PROPERTY. DEPTHS OF COVER SHALL MEET OR EXCEED SCS CODE 430-DD. REFER TO THE APPLICABLE DETAIL FOR ADDITIONAL INFORMATION.

BACKFILL SHALL BE OF SUITABLE MATERIAL, FREE OF ROCKS, STONES, AND OTHER DEBRIS THAT WOULD DAMAGE IRRIGATION SYSTEM COMPONENTS.

THE BACKFLOW PREVENTER SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND SHALL BE LOCATED TO BE CONCEALED FROM VIEW.

A MASTER VALVE SHALL BE INSTALLED IN THE SYSTEM FOR ISOLATION. THIS MASTER VALVE SHALL BE TO LINE SIZE AND INSTALLED IN A VALVE BOX. POROUS MATERIAL SHALL BE INSTALLED PER BOX TO PROMOTE DRAINAGE.

PIPE RISERS SHALL BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE SECTION OF THE MECHANICAL SPECIFICATIONS. THE LOCATION OF EACH RISER SHALL BE VERIFIED ON SITE. CONTRACTOR SHALL VERIFY THAT INSTALLING SCH 40 PVC RISERS IS TO LOCAL CODES.

SPRINKLERS

SPRINKLER LOCATIONS ARE SCHEMATIC ONLY AND SHALL BE ADJUSTED FOR LANDSCAPING, FENCES, SITE LIGHTING, PREVAILING WIND, MOUNDING, ETC., TO ENSURE PROPER COVERAGE WITH MINIMAL UNDESIRABLE OVERTHROW. A PRIME OBJECTIVE SHALL BE TO ELIMINATE OVERTHROW ONTO BUILDINGS, PAVEMENT, AND SIDEWALKS.

SPRAY HEADS SHALL BE RAINBIRD 1800 SERIES. SIX INCH POP-UP TYPE SHALL BE INSTALLED IN AREAS LANDSCAPED WITH SOD, TWELVE INCH POP UP TYPE SHALL BE INSTALLED IN AREAS LANDSCAPED WITH GROUNDCOVER AND LOW SHRUBS, SHRUB HEADS SHALL BE INSTALLED IN AREAS LANDSCAPED WITH TALL SHRUBS, AND BUBBLERS SHALL BE INSTALLED IN NARROW LANDSCAPED AREAS AND AT SELECTED TREES.

POP-UP TYPE LOCATED IN SOD, MULCH, AND GROUND COVERS SHALL BE INSTALLED ON FLEXIBLE SWING JOINTS CONSISTING OF THICKWALLED POLY PIPE 1/2" AND INSERT ELBOWS.

POP-UP TYPE LOCATED IN SHRUBS SHALL BE INSTALLED ON 1/2" SCH 40 PVC RISERS TO A HEIGHT SO SPRINKLERS ARE CONCEALED FROM VIEW EXCEPT DURING USE.

SHRUB TYPE AND BUBBLERS SHALL BE INSTALLED ON 1/2" SCH 40 PVC RISERS. SHRUB HEADS SHALL BE INSTALLED A STANDARD HEIGHT OF 6" ABOVE PLANTS AND SHALL BE INSTALLED WITHIN PLANTS TO BE CONCEALED FROM VIEW. BUBBLERS SHALL BE INSTALLED AT THE BASE OF TALL SHRUBS FOR LOW LEVEL WATERING. RISERS SHALL BE PAINTED FLAT BLACK TO BE LESS VISIBLE.

EACH SPRAY HEAD SHALL BE EQUIPPED WITH THE APPROPRIATE SPRAY NOZZLE.

ADJUSTMENT FEATURES OF SPRINKLERS SPECIFIED SHALL BE UTILIZED TO INSURE PROPER COVERAGE WITH MINIMAL UNDESIRABLE OVERTHROW. LOW ANGLE, FLAT SPRAY, AND ADJUSTABLE ARC NOZZLES SHALL BE USED TO MINIMIZE OVERTHROW.

SPRINKLERS LOCATED ADJACENT TO HARDSCAPED AREAS SHALL BE INSTALLED AWAY FROM HARDSCAPED AREAS TO MINIMIZE OVERTHROW AND THE CHANCE OF DAMAGE BY VEHICLES, PEDESTRIANS, AND LAWN MAINTENANCE PERSONNEL. AS A GENERAL RULE, 6" POP-UP SPRAY HEADS SHALL BE INSTALLED IN 4", SHRUB HEADS SHALL BE INSTALLED IN 12", AND 12" POP-UP SPRAY HEADS SHALL BE INSTALLED IN 6".

CONTROL SYSTEM

TWO RAIN BIRD ESP SERIES ELECTRIC CONTROL SYSTEM SHALL BE INSTALLED, FOR THE SITE LEVEL, ONE STATION CONTROLLER SHALL ACTIVATE 4 SOLENOID VALVES. FOR THE UPPER LEVEL, ONE 4 STATION CONTROLLER SHALL ACTIVATE 1 SOLENOID VALVE. A RAIN SENSOR SHALL BE INSTALLED PER CONTROLLER TO CONSERVE WATER.

CONTROLLERS SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND MANUFACTURER'S INSTRUCTIONS. PROPER GROUNDING EQUIPMENT SHALL BE PROVIDED.

CONTROLLER LOCATIONS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE. A 120 VAC ELECTRIC SOURCE IS REQUIRED AT EACH.

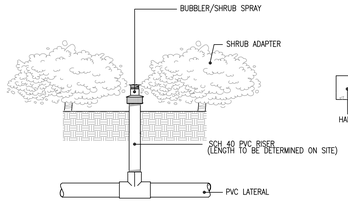
CONTROL LINES FROM EACH AUTOMATIC CONTROLLER TO IN-LINE AUTOMATIC VALVES SHALL BE #14 AWG THHN TYPE WHICH SHALL BE: (1) INSTALLED IN ACCORDANCE WITH LOCAL CODES, (2) INSTALLED IN WIRE CONDUIT, (3) BURIED TO A MINIMUM DEPTH OF 15" SPLICES SHALL BE MADE WATERPROOF USING APPROVED METHODS. SPARE WIRES SHALL BE INSTALLED AS NOTED ON THE PLAN.

AUTOMATIC VALVE LOCATIONS ARE SCHEMATIC ONLY AND SHALL BE ADJUSTED FOR ON SITE CONDITIONS. EACH VALVE SHALL BE INSTALLED IN A VALVE BOX. A MINIMUM OF ONE CUBIC FOOT OF GRAVEL SHALL BE PROVIDED PER BOX TO PROMOTE DRAINAGE.

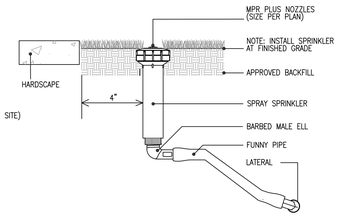
WATER CONSERVATION EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. THE RAIN SENSOR FOR THE DECK LEVEL SHALL BE INSTALLED AS A POLE MOUNT.

TIMING AND PRECIPITATION

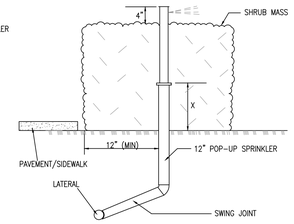
TIMING OF EACH STATION SHALL BE SET IN THE FIELD TO MATCH LOCAL REQUIREMENTS. REFER TO ZONE SUMMARY CHARTS FOR RECOMMENDED RUN TIMES TO APPLY 1.0 INCHES/WEEK.



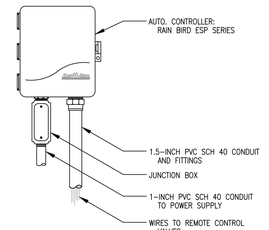
SPRINKLER DETAIL (NTS)
BUBBLER/SHRUB SPRAY INSTALLED AT THE BASE OF PLANTS FOR LOW LEVEL WATERING



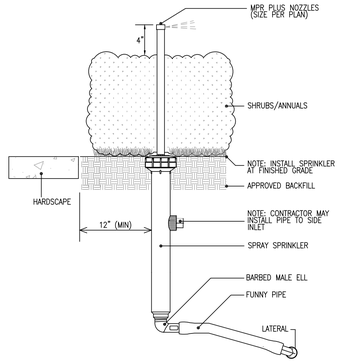
SPRINKLER DETAIL (NTS)
POP-UP SPRAY ON POLY PIPE SWING JOINT LOCATED IN SOD OR MULCH



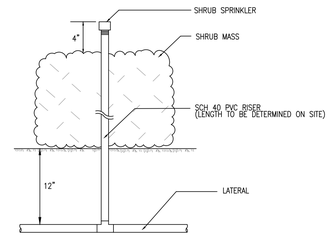
SPRINKLER DETAIL (NTS)
12" POP-UP INSTALLED ON PVC SWING JOINT LOCATED IN PLANT MASS MAINTAINED TO A MAXIMUM HEIGHT OF 18".



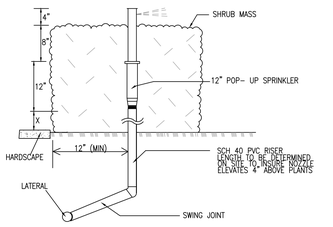
ESP AUTOMATIC CONTROLLER
NOT TO SCALE



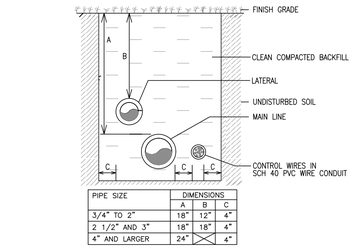
SPRINKLER DETAIL (NTS)
12" POP-UP SPRAY ON POLY PIPE SWING JOINT LOCATED IN PLANTS MAINTAINED TO A MAXIMUM HEIGHT OF 8".



SPRINKLER DETAIL (NTS)
SHRUB SPRAY ON RISER AT INTERIOR LOCATION IN PLANT MASS.

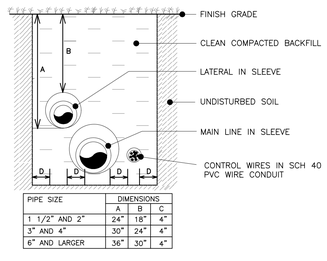


SPRINKLER DETAIL (NTS)
12" POP-UP ON PVC SWING JOINT WITH RISER LOCATED IN PLANT MASS MAINTAINED TO A MINIMUM HEIGHT OF 24".



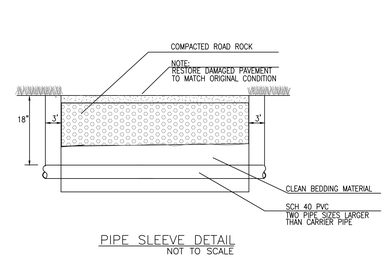
PIPE SIZE	DIMENSIONS		
	A	B	C
3/4" TO 2"	18"	12"	4"
2 1/2" AND 3"	18"	18"	4"
4" AND LARGER	24"		4"

TRENCHING DETAIL (NTS)
NON-TRAFFIC AREAS

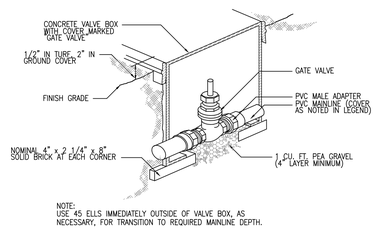


PIPE SIZE	DIMENSIONS		
	A	B	C
1 1/2" AND 2"	24"	18"	4"
3" AND 4"	30"	24"	4"
6" AND LARGER	36"	30"	4"

TRENCHING DETAIL (NTS)
TRAFFIC AREAS

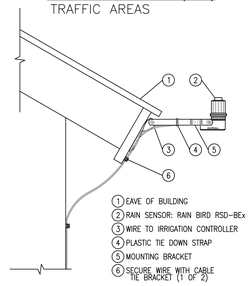


PIPE SLEEVE DETAIL
NOT TO SCALE



NOTE:
USE 45 ELLS IMMEDIATELY OUTSIDE OF VALVE BOX, AS NECESSARY, FOR TRANSITION TO REQUIRED MAINLINE DEPTH.

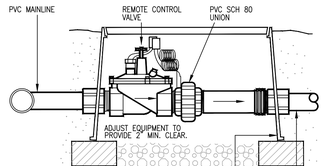
GATE VALVE DETAIL
NOT TO SCALE



1. EAVE OF BUILDING
2. RAIN SENSOR: RAIN BIRD RSD-BEx
3. WIRE TO IRRIGATION CONTROLLER
4. PLASTIC TIE DOWN STRAP
5. MOUNTING BRACKET
6. SECURE WIRE WITH CABLE TIE BRACKET (1 OF 2)

RAIN SENSOR RSD-BEx
NOT TO SCALE

NOTE: INSTALLATION SHALL BE ADJUSTED TO SITE CONDITIONS TO ENSURE THERE IS NO ROOF OR OVERHANG OVER THE SENSOR.



REMOTE CONTROL VALVE DETAIL
NOT TO SCALE

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10/29/2025

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Jason Rogers LA0001330 Date
Rafael J. Ferrer LA6667366
Brianna Gabriela Bobo Dalmer LA6667240

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33140

7/3/2024 9:10:27 AM

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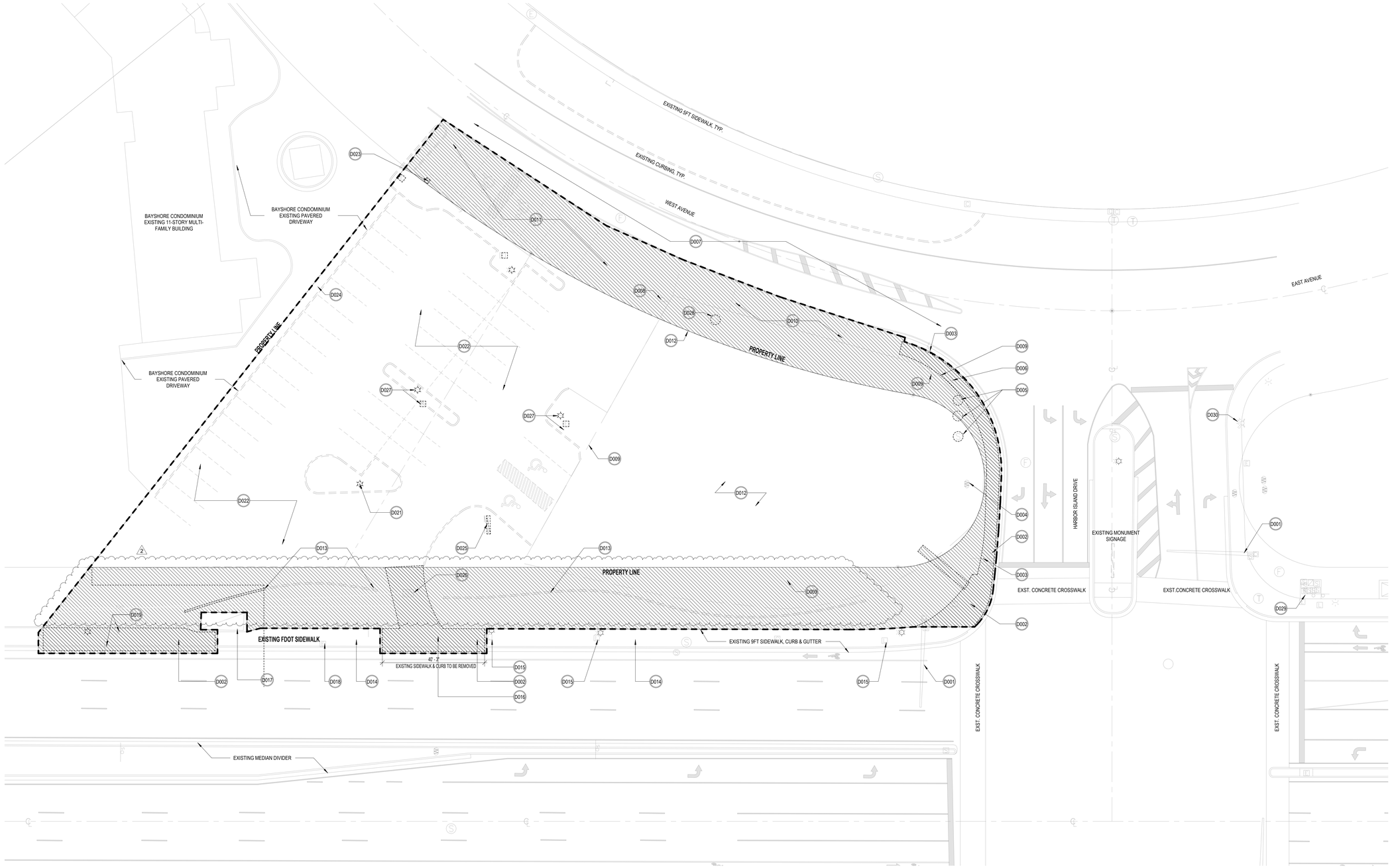
DISTRIBUTION
08-01-2024

REV	DESCRIPTION	DATE
2	Owner's Changes	12-20-24
6	Revision 6	10-27-25

Irrigation Notes & Details

L-301

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



1 DEMO PLAN
1/16" = 1'-0"

LEGEND - DEMOLITION

REFER TO CIVIL SHEET C-03 FOR SITE DEMO AND LANDSCAPE SHEET L-100 FOR TREE DISPOSITION PLAN

DEMO PERIMETER

GENERAL NOTES - DEMOLITION

1. ALL DIMENSIONS AND CONDITIONS TO BE FIELD VERIFIED BY CONTRACTOR PRIOR TO WORK, NOTIFY ARCHITECT IF CONFLICTS ARE FOUND

2. PROTECT ALL AREAS TO REMAIN. G.C. TO REPAIR OR REPLACE ANY ITEM TO REMAIN OR TO BE RELOCATED THAT IS DAMAGED DURING THE WORK. PROVIDE A SEAMLESS, UNDAMAGED APPEARANCE WHEN JOINING NEW TO EXISTING

3. REMOVE DASHED PORTION OF EXISTING WALLS, DOORS, WINDOWS, SIDELIGHTS, TRANSOMS, AND FRAMES. PREPARE AREA TO RECEIVE NEW CONSTRUCTION AS SCHEDULED. STORE ALL DOORS AND HARDWARE FOR REINSTALLATION AS PART OF NEW SCOPE OF WORK, UON

4.CONFLICTS - ANY CONFLICT FOUND WITH EXISTING CONDITIONS AND REQUIREMENTS FOR NEW CONSTRUCTION SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE ARCHITECT. IF THE CONFLICT AFFECTS THE PROGRESS OF THE WORK, VERIFY WITH ARCHITECT SOLUTION NECESSARY PRIOR TO PROCEEDING WITH THAT PORTION OF THE WORK AND IN A TIMELY FASHION SO AS NOT TO DELAY THE WORK. COORDINATE ALL TRADES TO ASCERTAIN NO FURTHER WORK WILL BE IMPACTED BY THE CONFLICT, OR ITS SOLUTION.

5. FOR THE REMOVAL OF TREES, PLEASE REFER TO SHEET L-100 - TREE DISPOSITION PLAN. THIS DETAILED PLAN PROVIDES ESSENTIAL INFORMATION REGARDING THE DISPOSITION OF TREES WITHIN THE PROJECT AREA.

6. REFER TO SURVEY AND SPECIFICATIONS FOR PRE-DEMOLITION ASBESTOS AND LEAD PAINT SURVEY REPORT.

7. REFER TO CIVIL FOR SCOPE OF ALL SYSTEMS TO BE DEMOLISHED AND TO REMAIN AND ALL STORM WATER SCOPE OF WORK.

SPECIFIC KEYNOTES - ALL	
Keynote Number	Keynote Text
D001	REFER TO TRAFFIC SIGNALIZATION DRAWINGS FOR PRE-EMPTION SYSTEM FOR FIRE STATION USE
D002	EXTENTS OF SIDEWALK TO REMOVED. REFER TO CIVIL DRAWINGS.
D003	EXISTING SIGNAGE TO REMAIN
D004	EXISTING U.G. WATER METER AND LINE TO REMAIN
D005	EXISTING U.G. TANKS AND GREASE TRAP INFRASTRUCTURE TO BE REMOVED
D006	EXISTING CL POST TO REMAIN
D007	REFER TO CIVIL DRAWINGS FOR EXTENT OF STREET REMOVAL/REPAIR
D008	EXISTING UTILITY WOOD POLE WITH OVERHEAD DATA CABLE TO BE REMOVED. DATA CABLE TO BE BURIED.
D009	EXISTING FENCE TO BE REMOVED
D010	EXISTING STREET PARKING TO BE REMOVED.
D011	EXISTING PARKING AND ASPHALT DRIVE TO BE REMOVED.
D012	EXISTING SITE TO BE CLEARED & PREPPED FOR CONSTRUCTION. REFER TO CIVIL DRAWINGS FOR COORDINATION.
D013	EXISTING STONE WALL TO REMOVED ENTIRELY.
D014	EXISTING SIDEWALK TO REMAIN
D015	EXISTING SIGN/LIGHT POST TO REMAIN
D016	EXISTING DRIVE TO BE REMOVED
D017	EXISTING UNDERGROUND FPL TRANSFORMER TO REMAIN. REFER TO CIVIL DRAWINGS.
D018	EXISTING EQUIPMENT TO REMAIN.
D019	EXISTING SIGNAGE TO BE RELOCATED. REFER TO CIVIL DRAWINGS.
D021	EXISTING LIGHT POST TO BE REMOVED. CLEAR ALL CONDUIT, CABLES, CAP AT PROPERTY LINE.
D022	EXISTING ASPHALT PARKING LOT INCLUDING ALL CURBS AND LANDSCAPE AND TREES WITHIN THE PROPERTY TO BE REMOVED.
D023	EXISTING FPL UTILITY POST TO BE RELOCATED. REFER TO CIVIL DRAWINGS.
D024	EXISTING PAVER TO BE REMOVED UP TO THE PROPERTY LINE.
D025	EXISTING MONUMENT SIGN TO BE REMOVED
D026	EXISTING INLET TO REMAIN
D027	REMOVE ALL EXISTING UTILITIES ABOVE GROUND & UNDERGROUND AND CAP AT PROPERTY LINE
D028	EXISTING SEWER MANHOLE TO REMAIN
D029	PROVIDE NEW PRE-EMPTION CONNECTIONS TO EXISTING TRAFFIC SIGNAL BOXES
D030	EXISTING FIRE HYDRANT TO REMAIN

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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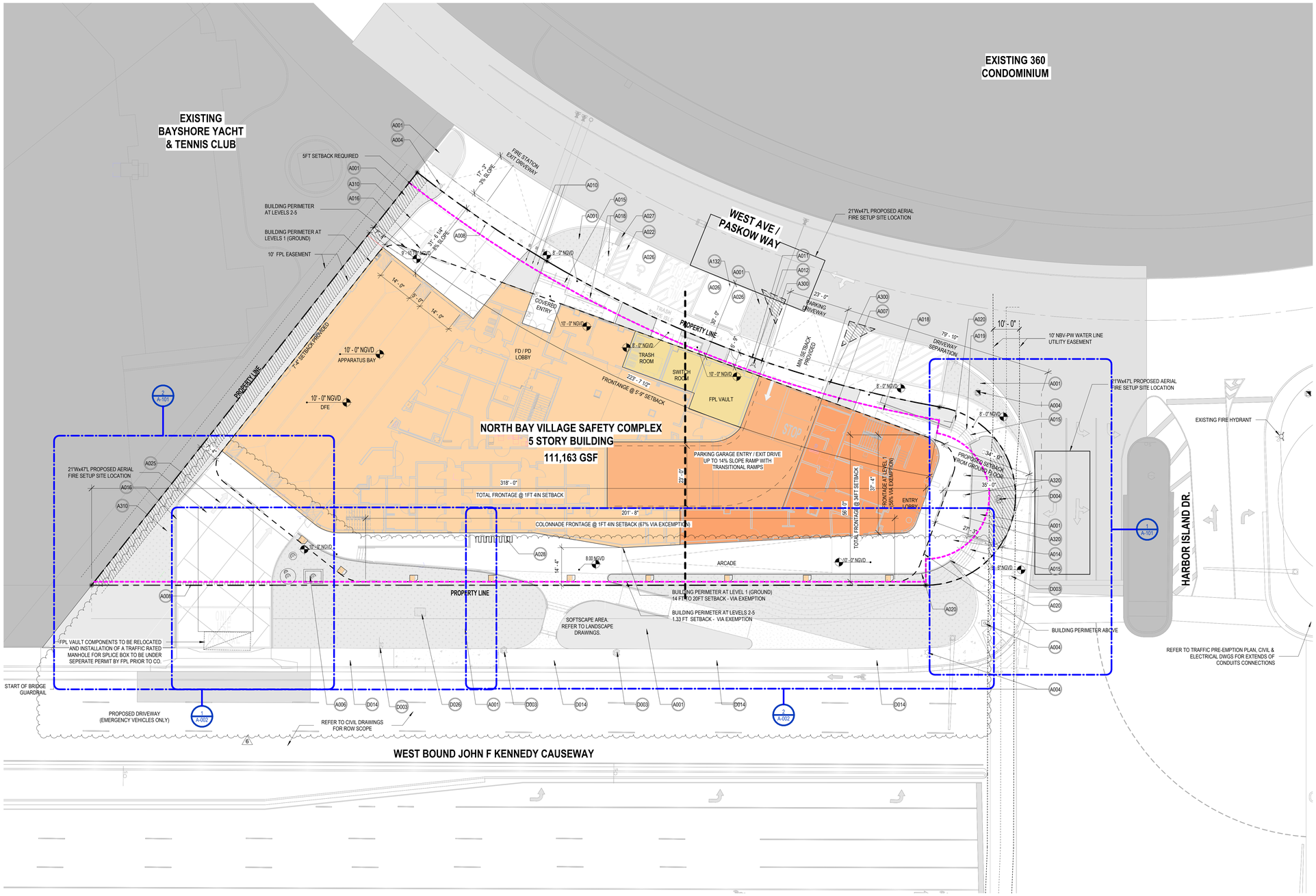
Project Number
WJ 2312

DISTRIBUTION
12/11/2024

REV	DESCRIPTION	DATE
2	Plan Review	12/20/24

DEMO FLOOR PLAN

AD-100



1 SITE PLAN
1/16" = 1'-0"

GENERAL NOTES

1. BOUNDS OF SCOPE OF WORK ARE TO THE EXTENT REQUIRED TO COMPLETE WORK.
2. REFER TO CIVIL AND MEP FOR UTILITIES AND ACCESS POINTS.

ZONING LEGEND

*ZONING DISTRICT: URBAN CORE ZONE-MUNICIPAL USE TRANSECT ZONE, T6-24MU
*FUTURE LAND USE MAP - COMMERCIAL / GOVERMENT USE

FEMA FLOOD ZONE: FLOOD ZONE AE (BASED ON FIRM MAP)
BASE FLOOD ELEVATION (BFE): 8'-0" NGVD
FREEBOARD ELEVATION (FBE): 2'
PROPOSED BUILDING ELEVATION: 8' (BFE) +2' (FBE) = 10'-0" NGVD

1. BUILDING DISPOSITION
i. LOT OCCUPATION
a. LOT AREA 10,000 SF MIN. ALLOWED / REQUIRED, 32,938 S.F. (0.75 ACRES) PROPOSED
b. LOT WIDTH 100' MIN. ALLOWED / REQUIRED, UP TO 383' PROPOSED
c. LOT COVERAGE 90% MAX. (29,645 SF), 73% (24,159 SF) PROPOSED
d. FLOOR LOT RATION N/A
e. FRONTAGE AT FRONT SETBACK
@ KENNEDY CSWY - 70% MIN. 318 FT. = 223 FT REQUIRED, 201 FT PROPOSED (63% SEE EXEMPTION)
@ HARBOR ISLAND DR. - 70% MIN. 68 FT. = 48 FT REQUIRED, 37 FT-4 IN @LEVEL 1 (56% SEE EXEMPTION)
56 FT @ LEVELS 02-05 (83%) PROPOSED
f. OPEN SPACE REQUIREMENT 10% LOT AREA MIN. = 3,294 SF., 4,909 SF (14.9%) PROPOSED
g. DENSITY W/ BONUS (1) N/A
h. DENSITY W/ BONUS (2) N/A

ii. BUILDING SETBACKS:
a. PRIMARY FRONT (SOUTH) 20' REQUIRED, 1 FT - 4 IN PROPOSED (SEE EXEMPTION #1A)
b. SECONDARY FRONTSIDE A (EAST) 10' REQUIRED, 10' - 9" PROPOSED
c. SIDE B (WEST) 0' REQUIRED, 7 FT - 4 IN PROPOSED
d. REAR (NORTH) 5' REQUIRED, 5FT - 8 IN PROPOSED

2. BUILDING CONFIGURATION:
i. FRONTAGE
a. COMMON LAWN PROHIBITED, N/A PROPOSED
b. PORCH AND FENCE PROHIBITED, NONE PROPOSED
c. TERRACE PROHIBITED, NONE PROPOSED
d. FORECOURT ALLOWED, NONE PROPOSED
e. STOOP ALLOWED, NONE PROPOSED
f. SHOPFRONT ALLOWED, NONE PROPOSED
g. GALLERY ALLOWED 20 FT, NONE PROPOSED
h. ARCADE PROHIBITED, VARIES BETWEEN 14 FT TO 20 FT PROPOSED, SEE EXEMPTION #1a

ii. BUILDING HEIGHT.
a. MIN. BUILDING HEIGHT 2 STORIES
b. MAX PEDESTAL HEIGHT 5 STORIES, TOTAL 6 STORIES PROPOSED
c. MAX BUILDING HEIGHT 24 STORIES OR 240', 6 STORIES / 82'-8" PROPOSED

PARKING REQUIREMENT
ELECTRIC VEHICLE 5% REQUIRED = 5 SPACES , 21 SPACES PROPOSED
ON-STREET PARKING 0 REQUIRED, 3 PROPOSED
BICYCLE PARKING 6 REQUIRED, 9 PROPOSED
LOADING BERTH - EXEMPT
PARKING SPACES 77 REQUIRED , 93 PROPOSED
d. OFFICE AREA 3 SPACES / 1000 SF 16,203 SF = 49 SPACES REQUIRED
g. CIVIC AREA
CHAMBERS - MIN. 1 / 5 SEATS 13 SPACES REQUIRED
FIRE DEPT. 15 REQ. PER MDFR 15 SPACES REQUIRED

SITE PLAN LEGEND

- X'-X" AFF — FINISH FLOOR LEVEL AT BUILDING ENTRY POINT
- EASEMENT
- AREA N.I.C.
- PROPOSED BUILDING
- GREENSPACE
- PROPOSED PAVED AREA
- PROPERTY LINE
- SETBACK
- BUILDING PERIMETER
- FIRE DEPARTMENT CONNECTION
- XX — NUMBER OF PARKING SPACES

FIRE SETUP SITE NOTES:

1. EXISTING OVERHEAD LINES ARE SCHEDULED & NOTED ON AD-100 & C-02 DEMOLITION PLANS TO BE REMOVED AND RELOCATED UNDERGROUND. CONTRATOR SHALL COORDINATE PROPOSED UNDERGROUND LINES ROUTE WITH THE OWNER TO MINIMIZE ANY POTENTIAL CONFLICT WITH THE EXISTING UNDERGROUND UTILITIES.
2. REFER TO C-03 FOR ROAD SUPPORT & COMPOSITION, CURB SECTIONS/ SWALES DETAILS, PROPOPSED CROSS SLOPES & BUILDING SEPARATION.

ALL ELEVATION TO REFER TO NGVD

ELEVATION 10' - 0" NGVD IS THE BUILDING'S FINISHED FIRST FLOOR ELEVATION.
10' - 0" NGVD = 0' - 0"

SPECIFIC KEYNOTES - ALL	
Keynote Number	Keynote Text
A001	LANDSCAPE BUFFER (HEDGE),GROUNDCOVER, REFER TO LANDSCAPE DRAWINGS FOR TYPE AND HEIGHT
A004	EXISTING TRAFFIC CONTROL, UTILITY POLE, AND/OR UTILITY BOXES TO REMAIN. CONFIRM WITH AHJ
A006	DRAINAGE WELL SYSTEM WITH MANHOLE AND DEFENDER, REFER TO CIVIL
A007	APPROXIMATE LOCATION FOR GAS METER.
A008	TRENCH DRAIN, REFER TO CIVIL & PLUMBING
A010	DOUBLE DETECTOR CHECK VALVE ASSEMBLY, REFER TO CIVIL DWGS
A011	FIRE DEPARTMENT CONNECTION, REFER TO MECH & CIVIL
A012	FIRE HYDRANT, REFER TO CIVIL DWGS.
A014	REINFORCED CONCRETE SLAB ON VAPOR BARRIER OVER COMPACT GRADE, SEE STRUC.
A015	REINFORCED CONCRETE STAIR ON VAPOR BARRIER OVER COMPACT GRADE, SEE STRUC.
A016	REINFORCED CONCRETE VEHICULAR RAMP SLAB ON VAPOR BARRIER OVER COMPACT GRADE, SEE STRUC.
A018	ACCESSIBLE ADA RAMP
A019	HANDRAIL
A020	42" MIN. AFF GUARDRAIL
A022	6" BLUE PAVEMENT MARKING PER DOT & ADA STANDARDS, SEE CIVIL
A025	WHITE DIRECTIONAL ARROWS, SEE CIVIL
A026	ON-STREET PARKING, REFER TO CIVIL DWGS.
A027	ADA DETECTABLE SURFACE
A028	BICYCLE STORAGE FOR NINE (9)BIKES
A132	WHITE PARKING STRIPING PER DOT STANDARDS
A300	BOLLARD
A310	CONCRETE RAMP WALLS, REFER TO STRUCTURAL
A320	NEW FLAGPOLE W/ IN-GRADE COLOR CHANGING UPLIGHTING, REFER TO ELECTRICAL
D003	EXISTING SIGNAGE TO REMAIN
D004	EXISTING U.G. WATER METER AND LINE TO REMAIN
D014	EXISTING SIDEWALK TO REMAIN
D026	EXISTING INLET TO REMAIN

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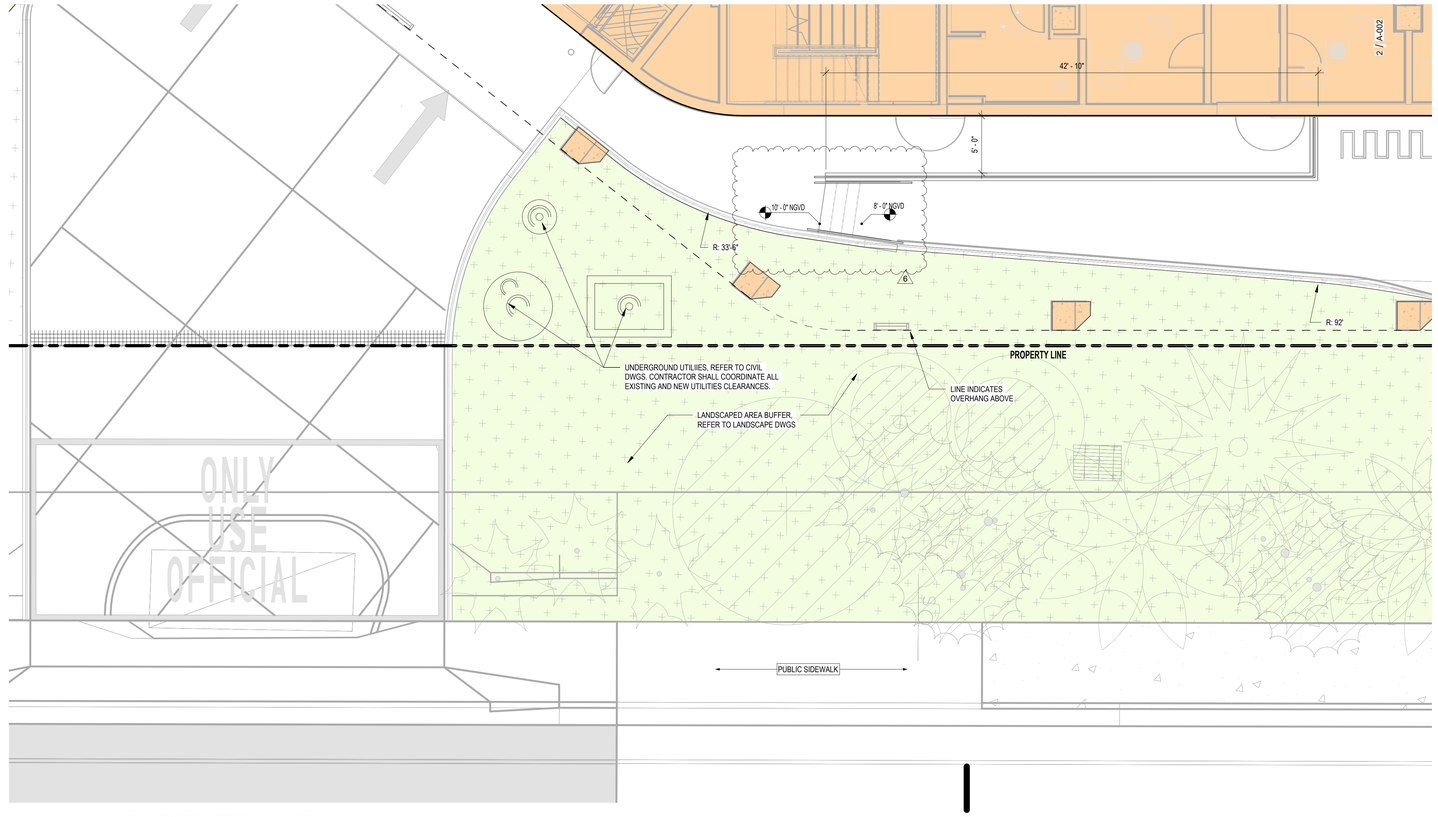
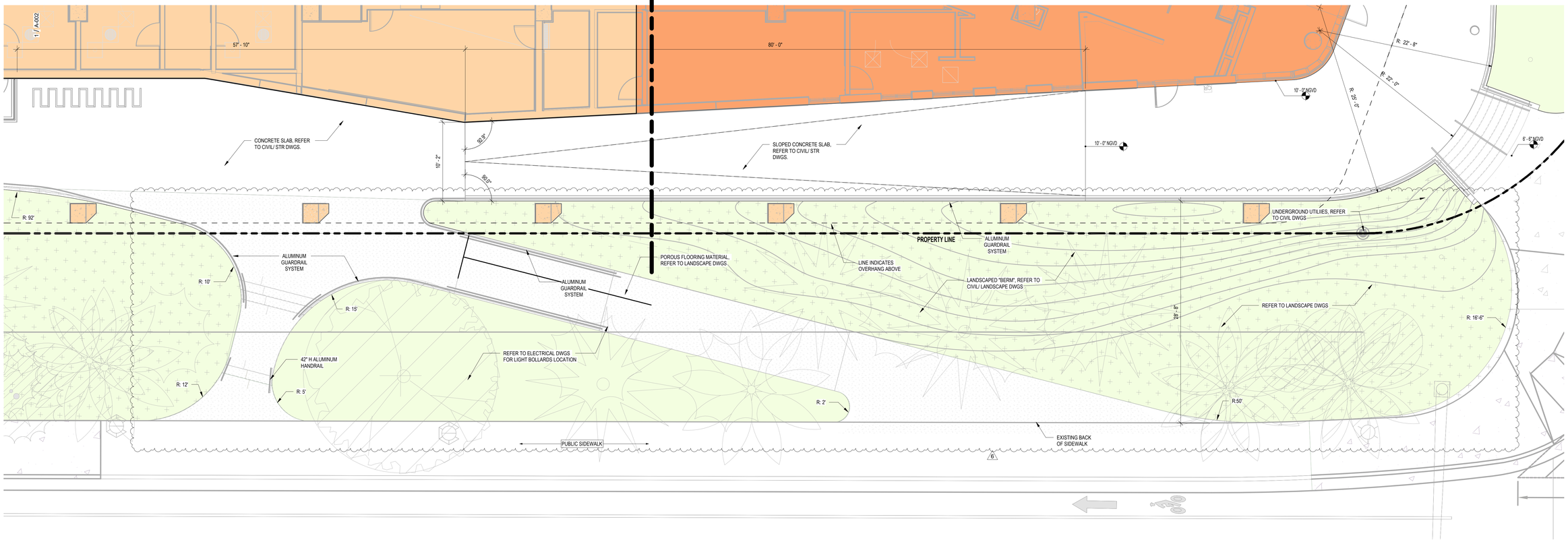
REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
2	Plan Review	12/20/24
3	Plan Review	03/21/25
6	Plan Review	10/27/25

SITE PLAN

A-001



1 **ENLARGED SITE PLAN - AREA A**
SCALE: 3/16" = 1'-0"



2 **ENLARGED SITE PLAN - AREA B**
SCALE: 3/16" = 1'-0"

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REGISTERED ARCHITECT 9564 L.I.C. INTERIOR DESIGNER 3655
MARCEL R. MORLOTE
STATE OF FLORIDA

MARCEL R. MORLOTE, R.A.
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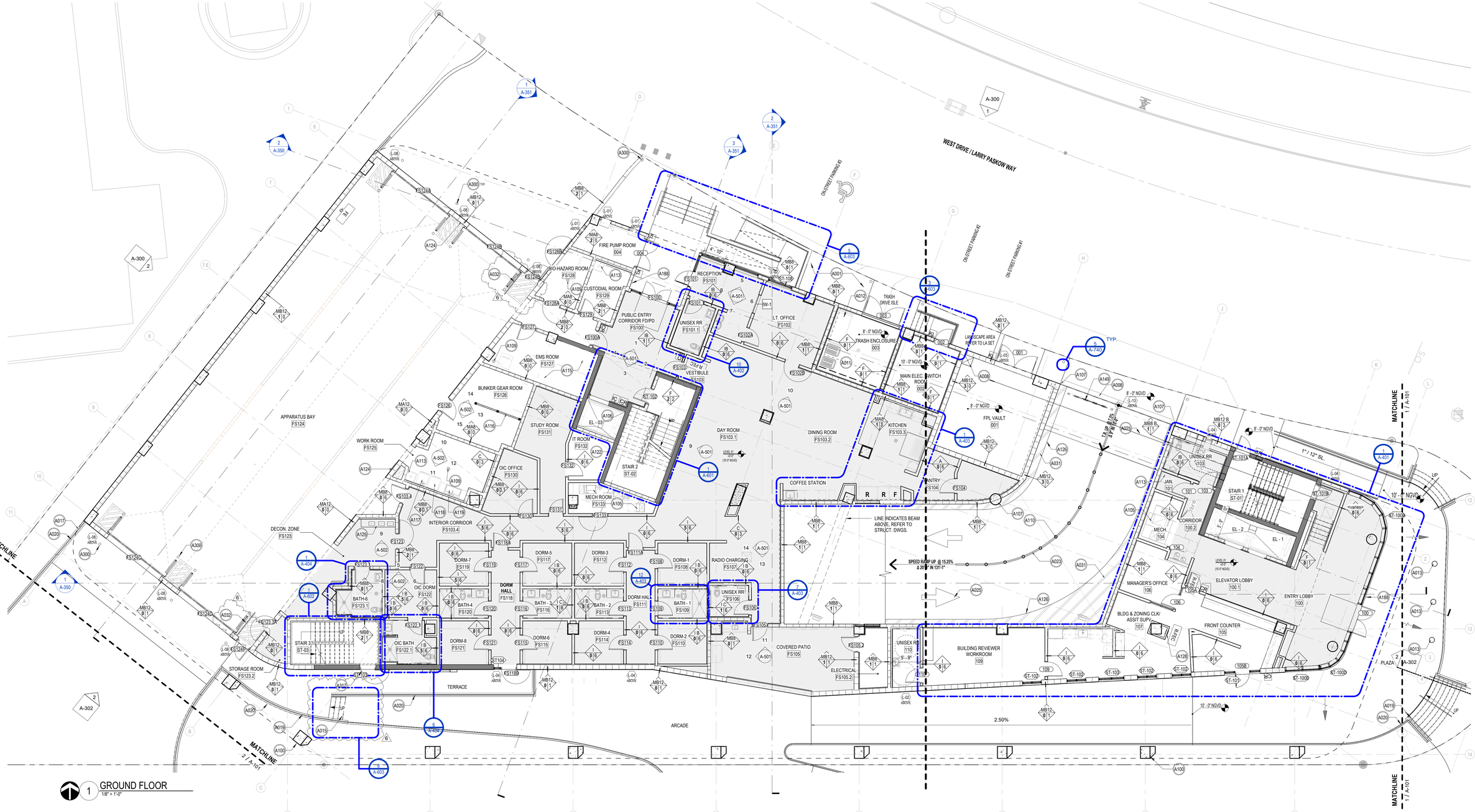
2	Plan Review	12/20/24
6	Plan Review	10/27/25

ENLARGED SITE PLAN

NEW SHEET
A-002

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



GROUND FLOOR
1/8" = 1'-0"

SPECIFIC KEYNOTES - PLANS	
NUMBER	TEXT
A001	LANDSCAPE BUFFER (HEDGE),GROUNDCOVER, REFER TO LANDSCAPE DRAWINGS FOR TYPE AND HEIGHT
A004	EXISTING TRAFFIC CONTROL, UTILITY POLE, AND/OR UTILITY BOXES TO REMAIN. CONFIRM WITH AHJ
A006	DRAINAGE WELL SYSTEM WITH MANHOLE AND DEFENDER, REFER TO CIVIL
A007	APPROXIMATE LOCATION FOR GAS METER.
A008	TRENCH DRAIN. REFER TO CIVIL & PLUMBING
A010	DOUBLE DETECTOR CHECK VALVE ASSEMBLY, REFER TO CIVIL DWGS
A011	FIRE DEPARTMENT CONNECTION, REFER TO MECH & CIVIL
A012	FIRE HYDRANT, REFER TO CIVIL DWGS.
A013	NEW FLAGPOLE W/ IN-GRADE COLOR CHANGING UPLIGHTING, REFER TO ELECTRICAL
A014	REINFORCED CONCRETE SLAB ON VAPOR BARRIER OVER COMPACT GRADE, SEE STRUC.
A015	REINFORCED CONCRETE STAIR ON VAPOR BARRIER OVER COMPACT GRADE, SEE STRUC.
A016	REINFORCED CONCRETE VEHICULAR RAMP SLAB ON VAPOR BARRIER OVER COMPACT GRADE, SEE STRUC.
A017	REINFORCED CONCRETE SITE WALL, SEE STRUC.
A018	ACCESSIBLE ADA RAMP
A019	HANDRAIL
A020	42" MIN. AFF GUARDRAIL
A022	6" BLUE PAVEMENT MARKING PER DOT & ADA STANDARDS, SEE CIVIL
A023	4" DOUBLE YELLOW PAVEMENT MARKING PER DOT STANDARDS, SEE CIVIL
A025	WHITE DIRECTIONAL ARROWS, SEE CIVIL
A026	ON-STREET PARKING, REFER TO CIVIL DWGS.
A029	REINFORCED PLANTER & WALLS, SEE STRUC. & LANDSCAPE
A030	NOT USED
A031	PARKING STRIPING , PAINT WHITE PROVIDE SPECS FOR ARCHITECTS APPROVAL
A032	36" MIN. AFF GUARDRAIL
A100	SKIM COAT STUCCO FINISH
A101	CAST IN PLACE REINFORCED CONCRETE FRAME & CANOPY, SMOOTH FINISH, WATERPROOF SEAL

SPECIFIC KEYNOTES - PLANS	
NUMBER	TEXT
A102	FRONT OPERATIONS SERVICE COUNTER, SEE ID SET
A103	FRONT OPERATIONS ACCESSIBLE SERVICE COUNTER, SEE ID SET
A104	ADA COMPLIANT DUAL LEVEL WALL MOUNT DRINK FOUNTAINS
A105	AHU, SEE MECHANICAL
A106	ELEVATOR, REFER TO ENLARGED FLOOR AND SECTION DWGS
A107	CORNER/WALL/COLUMN GUARD, SEE DETAIL 2/A-742
A108	24" x 24" x 10" D SUM PIT, FINAL SIZE AND LOCATION BY FPL
A109	FLOOR DRAIN, SEE PLUMB. FOR EXACT DRAIN PITCH LINE FOR TILE INSTALLATION
A110	36" HIGH SURFACE MOUNTED FLEXIBLE DELINEATOR POST 48" O.C BOD: SETON
A113	MOP SINK, REFER TO PLUMBING DRAWINGS
A115	EMS ROOM EQUIPMENT, REFER TO FFE PLANS
A116	4"x4"x1/4" GALV. STEEL TUBE WELDED TO STEEL PLATE BOLTED TO FLOOR WITH (2) 1/2" EXPANSION BOLTS, PAINTED
A117	LAUNDRY DRYER, REFER TO ID DRAWINGS
A118	LAUNDRY WASHER, REFER TO ID DRAWINGS
A119	DUAL COMMERCIAL SINK
A122	IT RACKS, REFER TO FFE PLANS
A124	PRE-EMPTION SIGNAL BUTTON
A125	DECON ZONE SINKS & COUNTER (3)
A126	6" H. CONCRETE CURB, REFER TO STRUCTURAL DWGS
A128	WALL RECESS FIRE EXTINGUISHER WITH CABINET
A129	STAND BY EMERGENCY GENERATOR & SUPPORTING EQUIPMENT, REFER TO ELECTRICAL
A131	42" HIGH CONCRETE VEHICULAR CRASH WALL, SEE STRUCTURAL
A132	WHITE PARKING STRIPING PER DOT STANDARDS
A135	ELECTRICAL VEHICULAR DUAL PORT CHARGING STATION, REFER TO ELECTRICAL AND MANUFACTURE'S SPECS
A136	PARKING STALL - 9FT BY 18FT
A137	PARKING STALL - ADA - 12FT BY 18FT
A138	PARKING STALL - COMPACT - 8FT BY 16FT

SPECIFIC KEYNOTES - PLANS	
NUMBER	TEXT
A139	PARKING STALL - TANDEM - 9FT BY 36FT
A141	HEAVY DUTY STEEL COLUMN, DUCTWORK & PIPE GUARD
A142	CHASE FOR KITCHEN HOOD EXHAUST DUCT FROM LEVEL 01 TO ROOF
A144	MECHANICAL EQUIPMENT RACK ANCHORED TO FLOOR SLAB, SEE STRUCTURAL & MECHANICAL
A148	DAIS FURNITURE & EQUIPMENT, REFER TO FFE PLANS
A149	OVERHEAD CLEARANCE BAR, SEE DETAIL 8/A-740
A154	QR SCANNER
A155	42" HIGH CMU WALL PAINTED
A156	OVERHEAD VEHICULAR SECURITY GATE
A157	DOG WASHING STATION, REFER TO PLUMBING DWGS
A159	SHADED AREA INDICATES RAISED DAIS PLATFORM & RAMPS TO DESIGNED BY DELEGATED ENGINEER. SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW.
A160	2HR FIRE RATED IMPACT RESISTANT CHASE TO BE DESIGNED BY DELEGATED ENGINEER. SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS (TYP. IN THE PARKING GARAGE AREA)
A187	4" HOUSEKEEPING PAD
A188	NO SMOKING SIGN - SEE 15/G107
A325	FULL HEIGHT ALUMINUM PICKET FENCE ON TOP OF LOW WALL. PAINTED.
A500	TV BY OWNER. PROVIDE DIRECT ELECT/AV CONNECTIONS, REFER TO ELECT.
A529	ROD AND SHOWER CURTAIN
A531	4" CONCRETE PAD POUR FOR CASEWORK, COORDINATE WITH CASEWORK
A559	ADA FOLDING SHOWER BENCH
ID13	CENTER FLOOR TILE WITH DRAIN PITCH LINE
ID14	FULL TILE AT START OF DRAIN PITCH
ID15	TILE BREAK LINE
ID16	CUT-TILE AT DOORWAY: WIDTH TO MATCH FRAME

SPECIFIC KEYNOTES - ELEVATIONS	
NUMBER	TEXT
A300	BOLLARD
A317	SIGNAGE

GENERAL NOTES

1. PROVIDE SUPPORT FOR WALL MOUNTED CABINETS AND PLUMBING FIXTURES. STEEL STUDS SUPPORTING WALL MOUNTED FIXTURES TO BE DOUBLED AT 16 O.C. OR NOT LESS THAN 20 GAUGE PER FBC 2517.5.1.1.

2. COMBUSTIBLE MATERIALS IN TYPES I & II CONSTRUCTION TO COMPLY WITH FBC 603.1 (FIRE RETARDANT - TREATED WOOD) AND 805.1 & 806.1

3. PROVIDE CEMENTITIOUS BACKER BOARD IN PLACE OF GWB AT ALL LOCATIONS SHOWING CERAMIC OR PORCELAIN TILE FINISH.

LINE INDICATES FULL HEIGHT PARTITIONS AS SCHEDULED ON PARTITION TYPES.

LINE INDICATES BULLET/ FORCED ENTRY RESISTANT PARTITION.

FIRST FLOOR ELEVATION 10' - 0" NGVD = 0' - 0"

TERMITE PROTECTION:

TERMITE PROTECTION SHALL BE PROVIDED BY A REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES APPLIED TO WOOD, OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE AS A PREVENTATIVE TREATMENT TO NEW CONSTRUCTION.
SEE SECTION 202, "REGISTERED TERMITICIDE". UPON COMPLETION OF THE APPLICATION OF THE TERMITE PROTECTIVE TREATMENT, A CERTIFICATE OF COMPLIANCE SHALL BE ISSUE TO THE BUILDING DEPARTMENT BY THE LICENSED PEST CONTROL COMPANY THAT CONTAINS THE FOLLOWING STATEMENT: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT IS IN ACCORDANCE WITH RULES AND LAWS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."

TAG LEGEND

ELEMENT TAGS

Room name 101 — ROOM TAG
1001X — DOOR TAG
ST-X — STOREFRONT TAG
X16 — WALL TAG
XXX — SPECIALTY EQUIPMENT TAG
1f — FLOOR TAG
ALIGNMENT TAG — ALIGN
SPECIFIC NOTE TAG — XXX
SHADED AREA INDICATES 1-1/2" CONCRETE SLAB RECESS
SHADED AREA INDICATES 4" CONCRETE SLAB RECESS

VIEW TAGS

EXTERIOR ELEVATION (Ref / A101)
INTERIOR ELEVATION (Ref / A101)
SECTION MARK (SIM / A101)
VIEW CALLOUT (SIM / A101)
LEVEL HEAD (Name / Elevation)
SPOT ELEVATION MARK (1'-0" A.F.F)

ACCESS CONTROL

CR — CARD READER
IC — CALL BOX/ INTERCOMM
KL — KEY LOCK
D — DELAY EGRESS
B — BIOMETRIC READER

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FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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Project Number
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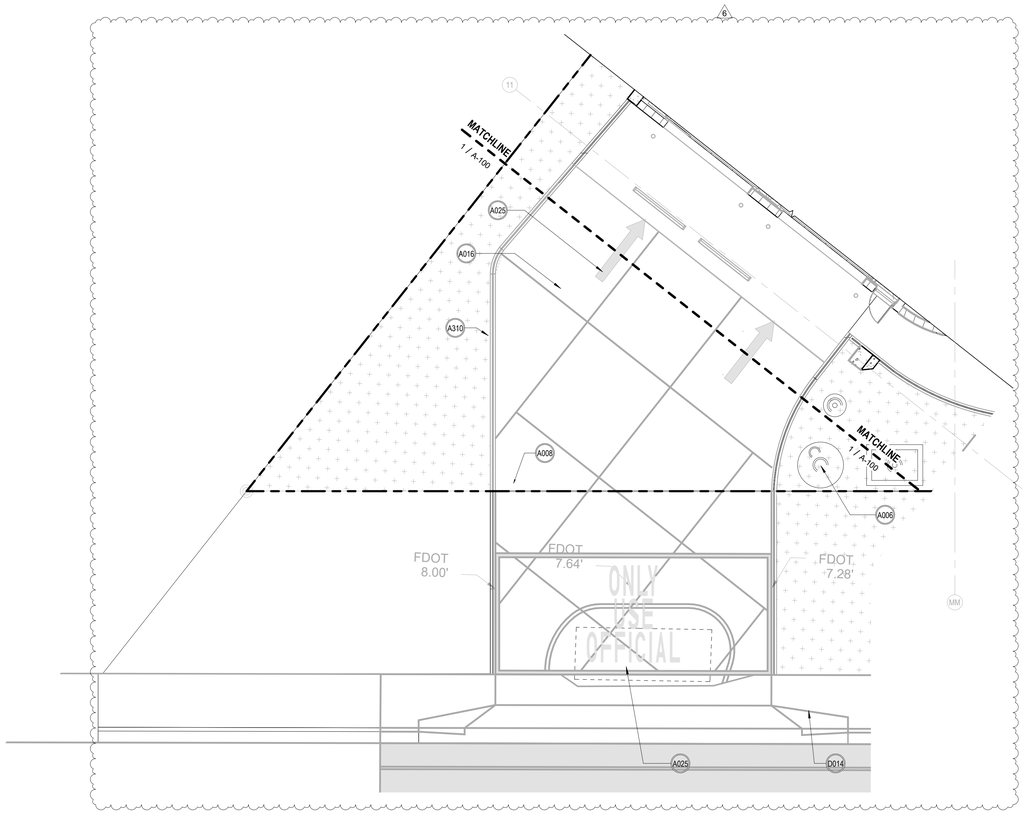
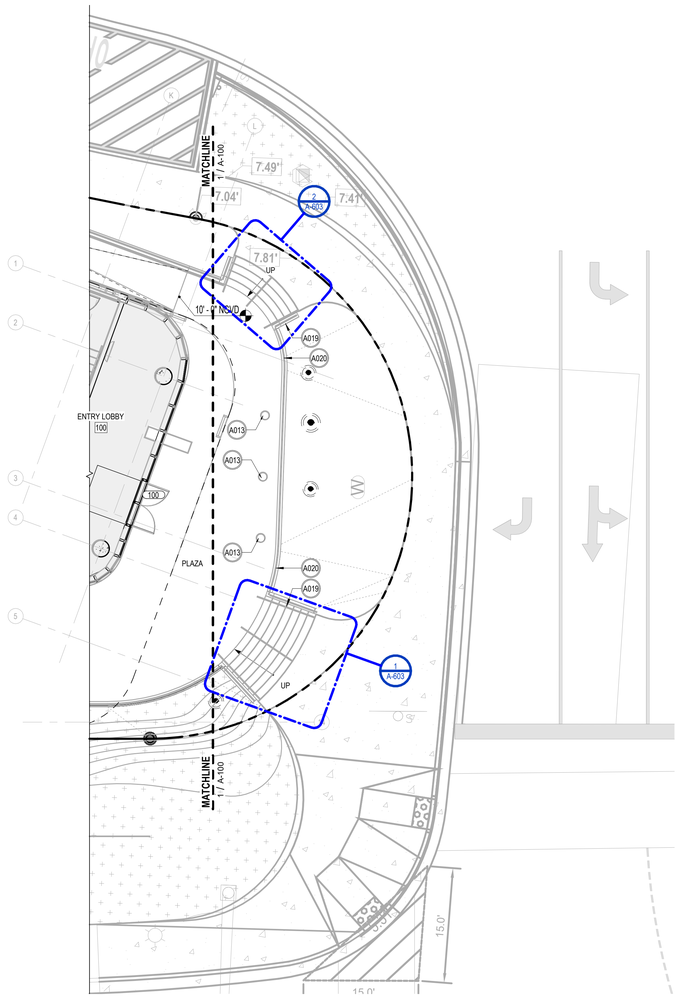
REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
2	Plan Review	12/20/24
4	Plan Review	06/30/25
6	Plan Review	10/27/25

LEVEL 1 - FLOOR PLAN

A-100



2 GROUND FLOOR - APPARATUS BAY ENTRANCE
1/8" = 1'-0"



1 GROUND FLOOR - EAST PLAZA
1/8" = 1'-0"

SPECIFIC KEYNOTES - ALL	
Keynote Number	Keynote Text
A006	DRAINAGE WELL SYSTEM WITH MANHOLE AND DEFENDER, REFER TO CIVIL
A008	TRENCH DRAIN, REFER TO CIVIL & PLUMBING
A013	NEW FLAGPOLE W/ IN-GRADE COLOR CHANGING UPLIGHTING, REFER TO ELECTRICAL
A016	REINFORCED CONCRETE VEHICULAR RAMP SLAB ON VAPOR BARRIER OVER COMPACT GRADE, SEE STRUC.
A019	HANDRAIL
A020	42" MIN. AFF GUARDRAIL
A025	WHITE DIRECTIONAL ARROWS, SEE CIVIL
A310	CONCRETE RAMP WALLS, REFER TO STRUCTURAL
D014	EXISTING SIDEWALK TO REMAIN

NOTE:

REFER TO SHEET A-100 FOR LEGEND & GENERAL NOTES.

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MARCEL R. MORLOTE
STATE OF FLORIDA

MARCEL R. MORLOTE, R.A.
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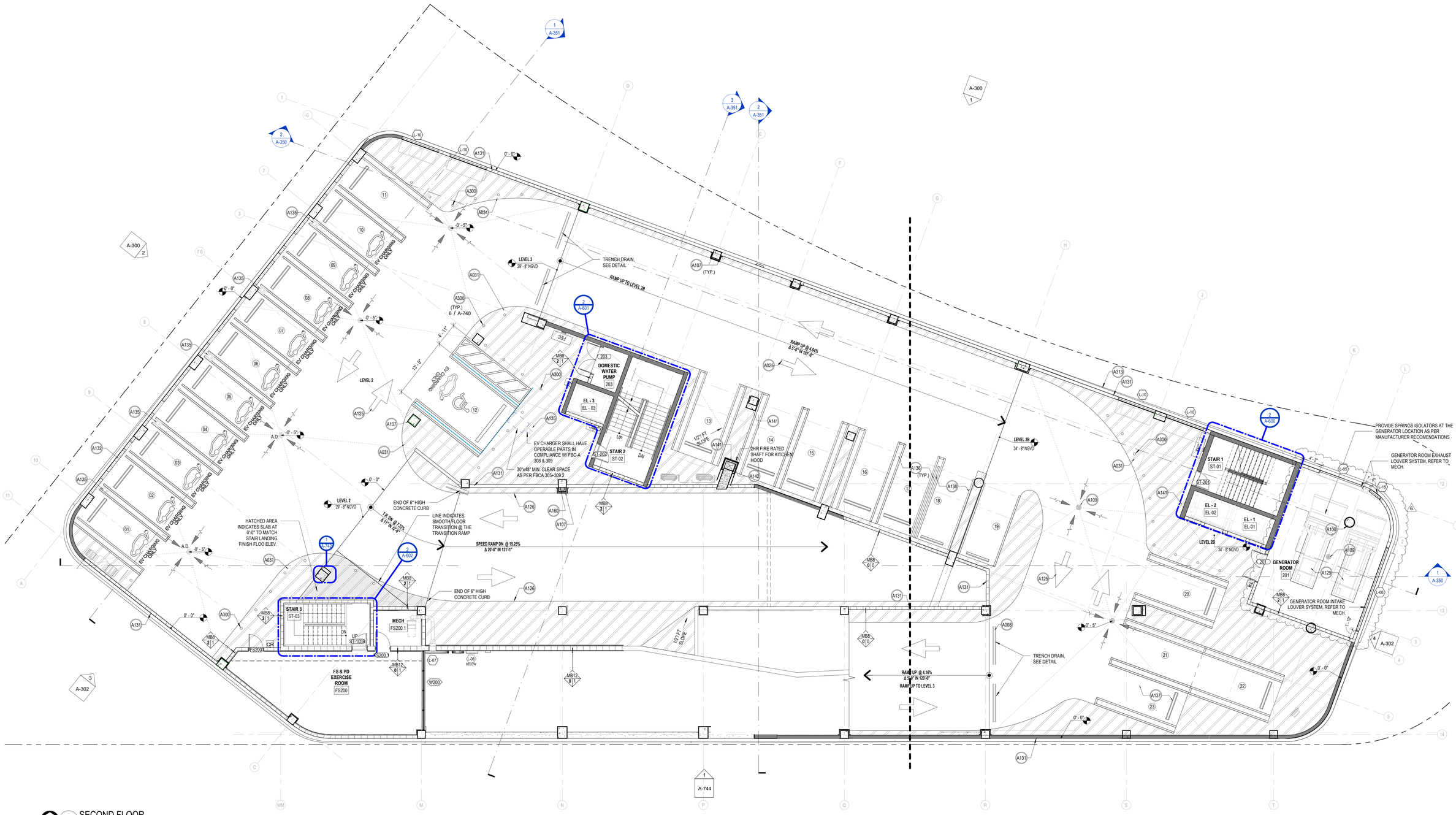
4	Plan Review	06/30/25
6	Plan Review	10/27/25

LEVEL 1 - FLOOR PLAN (CONT.)

A-101

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



1 SECOND FLOOR
1/8" = 1'-0"

SPECIFIC KEYNOTES - ALL	
Keynote Number	Keynote Text
A008	TRENCH DRAIN, REFER TO CIVIL & PLUMBING
A025	WHITE DIRECTIONAL ARROWS, SEE CIVIL
A031	PARKING STRIPING , PAINT WHITE PROVIDE SPECS FOR ARCHITECTS APPROVAL
A100	SKIM COAT STUCCO FINISH
A107	CORNER/WALL/COLUMN GUARD, SEE DETAIL 2/A-742
A109	FLOOR DRAIN, SEE PLUMB. FOR EXACT DRAIN PITCH LINE FOR TILE INSTALLATION
A125	DECON ZONE SINKS & COUNTER (3)
A126	6" H. CONCRETE CURB, REFER TO STRUCTURAL DWGS
A129	STAND BY EMERGENCY GENERATOR & SUPPORTING EQUIPMENT, REFER TO ELECTRICAL
A131	42" HIGH CONCRETE VEHICULAR CRASH WALL, SEE STRUCTURAL
A132	WHITE PARKING STRIPING PER DOT STANDARDS
A135	ELECTRICAL VEHICULAR DUAL PORT CHARGING STATION, REFER TO ELECTRICAL AND MANUFACTURE'S SPECS
A136	PARKING STALL - 9FT BY 18FT
A137	PARKING STALL - ADA - 12FT BY 18FT
A138	PARKING STALL - COMPACT - 8FT BY 16FT
A141	HEAVY DUTY STEEL COLUMN, DUCTWORK & PIPE GUARD
A142	CHASE FOR KITCHEN HOOD EXHAUST DUCT FROM LEVEL 01 TO ROOF
A160	2HR FIRE RATED IMPACT RESISTANT CHASE TO BE DESIGNED BY DELEGATED ENGINEER. SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS (TYP. IN THE PARKING GARAGE AREA)
A300	BOLLARD
A313	ARCHITECTURAL MESH, REFER TO SPECIFICATIONS

NOTE:

REFER TO SHEET A-100 FOR LEGEND & GENERAL NOTES.

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MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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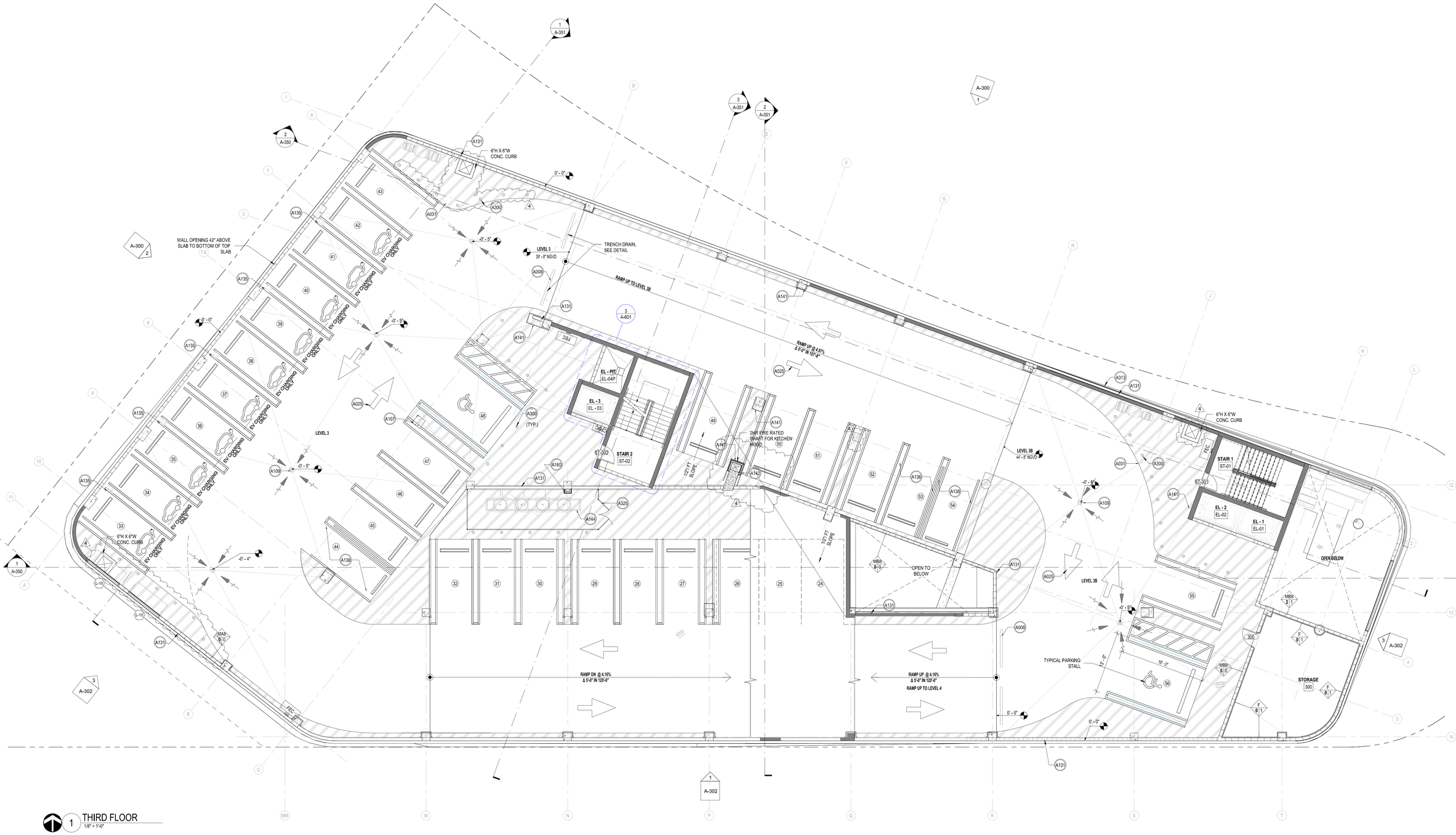
REV	DESCRIPTION	DATE
4	Plan Review	06/30/25
6	Plan Review	10/27/25

LEVEL 2 - FLOOR PLAN

A-102



1 THIRD FLOOR
1/8" = 1'-0"

SPECIFIC KEYNOTES - ALL	
Keynote Number	Keynote Text
A008	TRENCH DRAIN, REFER TO CIVIL & PLUMBING
A025	WHITE DIRECTIONAL ARROWS, SEE CIVIL
A031	PARKING STRIPING , PAINT WHITE PROVIDE SPECS FOR ARCHITECTS APPROVAL
A107	CORNER/WALL/COLUMN GUARD, SEE DETAIL 2/A-742
A109	FLOOR DRAIN, SEE PLUMB. FOR EXACT DRAIN PITCH LINE FOR TILE INSTALLATION
A131	42" HIGH CONCRETE VEHICULAR CRASH WALL, SEE STRUCTURAL
A135	ELECTRICAL VEHICULAR DUAL PORT CHARGING STATION, REFER TO ELECTRICAL AND MANUFACTURE'S SPECS
A136	PARKING STALL - 9FT BY 18FT
A138	PARKING STALL - COMPACT - 8FT BY 16FT
A141	HEAVY DUTY STEEL COLUMN, DUCTWORK & PIPE GUARD
A142	CHASE FOR KITCHEN HOOD EXHAUST DUCT FROM LEVEL 01 TO ROOF
A144	MECHANICAL EQUIPMENT RACK ANCHORED TO FLOOR SLAB, SEE STRUCTURAL & MECHANICAL
A160	2HR FIRE RATED IMPACT RESISTANT CHASE TO BE DESIGNED BY DELEGATED ENGINEER. SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS (TYP. IN THE PARKING GARAGE AREA)
A300	BOLLARD
A313	ARCHITECTURAL MESH, REFER TO SPECIFICATIONS
A325	FULL HEIGHT ALUMINUM PICKET FENCE ON TOP OF LOW WALL, PAINTED.

NOTE:

REFER TO SHEET A-100 FOR LEGEND & GENERAL NOTES.

4

REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:

1. ADDITION AND REVISION OF LOUVERS
2. SLAB OPENINGS

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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MARCEL R. MORLOTE, R.A.
FL ARCHITECT
FL ARCH. REG. NO. 9564
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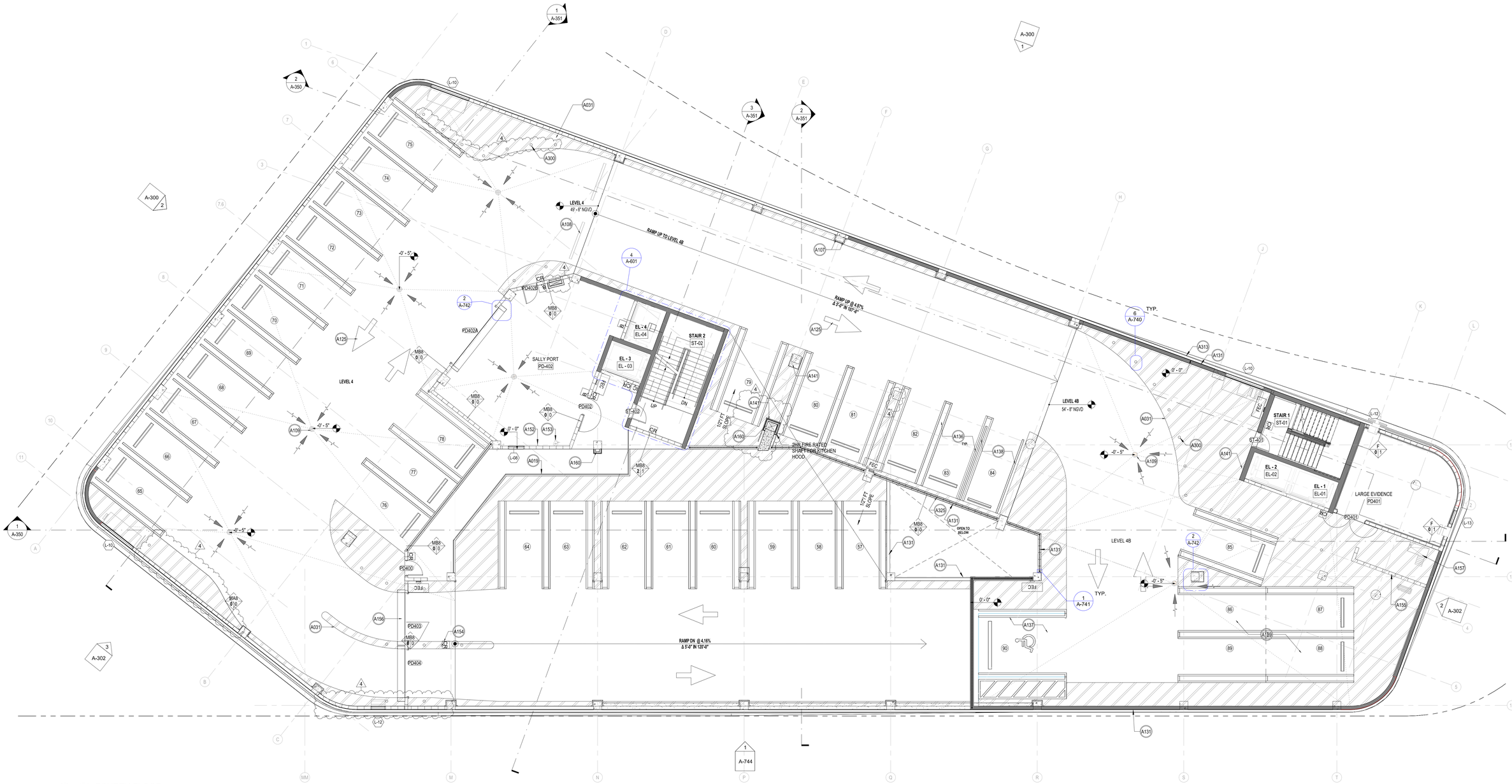
REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
2	Plan Review	12/20/24
4	Plan Review	06/30/25

LEVEL 3 - FLOOR PLAN

A-103



1 FOURTH FLOOR
1/8" = 1'-0"

SPECIFIC KEYNOTES - ALL	
Keynote Number	Keynote Text
A019	HANDRAIL
A031	PARKING STRIPING , PAINT WHITE PROVIDE SPECS FOR ARCHITECTS APPROVAL
A107	CORNER/WALL/COLUMN GUARD, SEE DETAIL 2/A-742
A108	24" x 24" x 10" D SUM PIT, FINAL SIZE AND LOCATION BY FPL
A109	FLOOR DRAIN, SEE PLUMB. FOR EXACT DRAIN PITCH LINE FOR TILE INSTALLATION
A125	DECON ZONE SINKS & COUNTER (3)
A131	42" HIGH CONCRETE VEHICULAR CRASH WALL, SEE STRUCTURAL
A136	PARKING STALL - 9FT BY 18FT
A137	PARKING STALL - ADA - 12FT BY 18FT
A138	PARKING STALL - COMPACT - 8FT BY 16FT
A139	PARKING STALL - TANDEM - 9FT BY 36FT
A141	HEAVY DUTY STEEL COLUMN, DUCTWORK & PIPE GUARD
A152	HOSE BIB
A153	EYEWASH
A154	QR SCANNER
A155	42" HIGH CMU WALL PAINTED
A156	OVERHEAD VEHICULAR SECURITY GATE
A157	DOG WASHING STATION, REFER TO PLUMBING DWGS
A160	2HR FIRE RATED IMPACT RESISTANT CHASE TO BE DESIGNED BY DELEGATED ENGINEER. SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS (TYP. IN THE PARKING GARAGE AREA)
A300	BOLLARD
A313	ARCHITECTURAL MESH, REFER TO SPECIFICATIONS
A325	FULL HEIGHT ALUMINUM PICKET FENCE ON TOP OF LOW WALL. PAINTED.

NOTE:
REFER TO SHEET A-100 FOR LEGEND & GENERAL NOTES.

4
REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:
1. ADDITION AND REVISION OF LOUVERS
2. SLAB OPENINGS

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MARCEL R. MORLOTE
STATE OF FLORIDA

MARCEL R. MORLOTE, R.A.
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FL. ARCH. REG. NO. 9564
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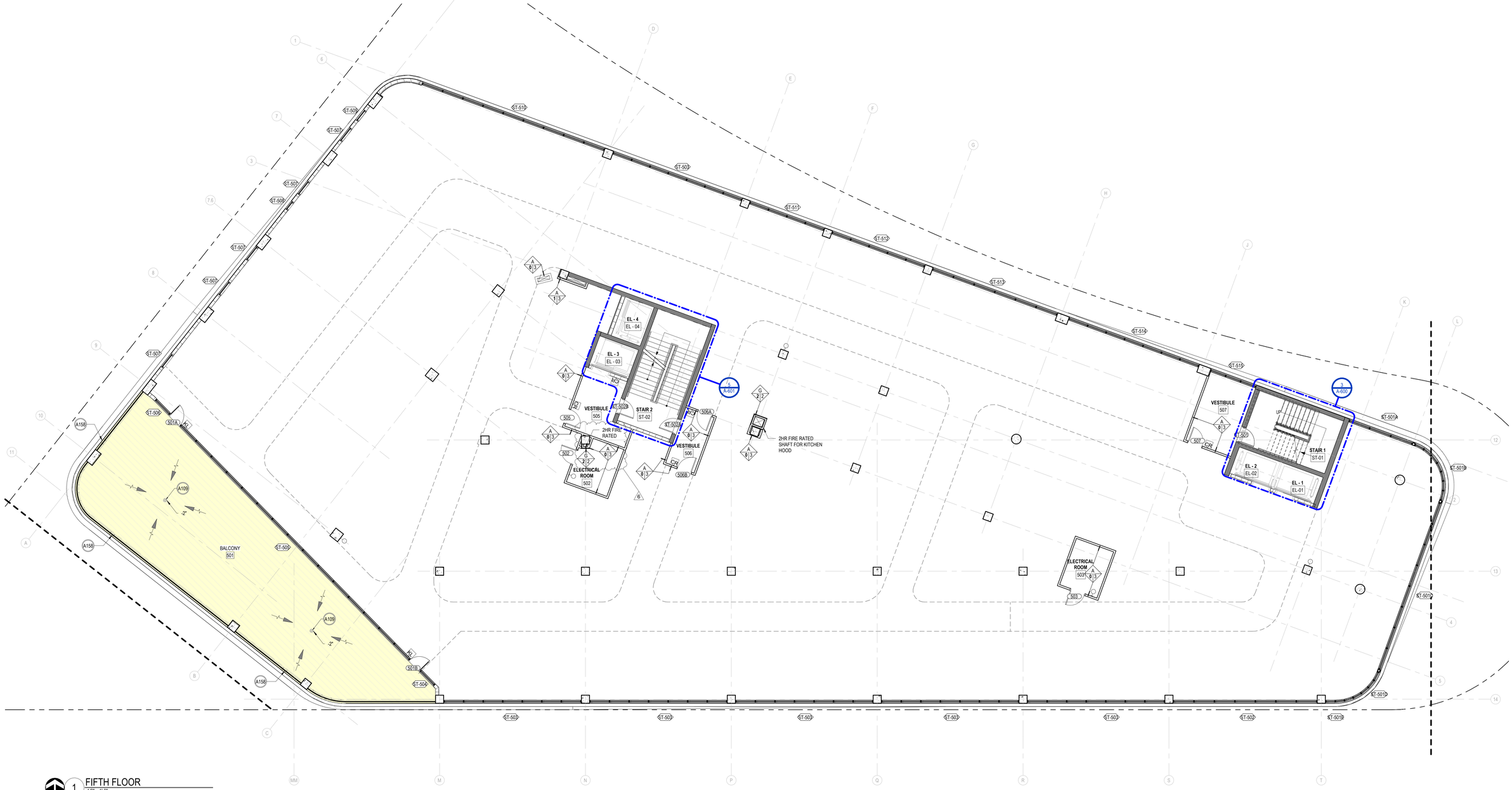
REV	DESCRIPTION	DATE
2	Plan Review	12/20/24
4	Plan Review	06/30/25

LEVEL 4 - FLOOR PLAN

A-104



1 FIFTH FLOOR
1/8" = 1'-0"

SPECIFIC KEYNOTES - ALL	
Keynote Number	Keynote Text
A109	FLOOR DRAIN, SEE PLUMB. FOR EXACT DRAIN PITCH LINE FOR TILE INSTALLATION
A158	EMERGENCY OVERFLOW SCUPPER

NOTE:

REFER TO SHEET A-100 FOR LEGEND & GENERAL NOTES.

6

REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:

1. ADDITION OF SECURITY DEVICES

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MARCEL R. MORLOTE, R.A.
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REV	DESCRIPTION	DATE
4	Plan Review	06/30/25
6	Plan Review	10/27/25

LEVEL 5 - FLOOR PLAN

A-105



1 SIXTH FLOOR
1/8" = 1'-0"

SPECIFIC KEYNOTES - ALL	
Keynote Number	Keynote Text
A100	SKIM COAT STUCCO FINISH
A109	FLOOR DRAIN, SEE PLUMB. FOR EXACT DRAIN PITCH LINE FOR TILE INSTALLATION
A117	LAUNDRY DRYER, REFER TO ID DRAWINGS
A118	LAUNDRY WASHER, REFER TO ID DRAWINGS
A131	42" HIGH CONCRETE VEHICULAR CRASH WALL, SEE STRUCTURAL
A148	DAIS FURNITURE & EQUIPMENT, REFER TO FFE PLANS
A158	EMERGENCY OVERFLOW SCUPPER
A159	SHADED AREA INDICATES RAISED DAIS PLATFORM & RAMPS TO DESIGNED BY DELEGATED ENGINEER. SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW.
A312	GLASS RAILING SYSTEM

NOTE:

REFER TO SHEET A-100 FOR LEGEND & GENERAL NOTES.

4

REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:

1. SHIFTING THE ORIGINAL LEVEL UPWARD ACCORDINGLY TO THE NEW LEVEL ADDED
2. PLAN REVISION
3. PLANTER ELIMINATED
4. ROOM NAMES

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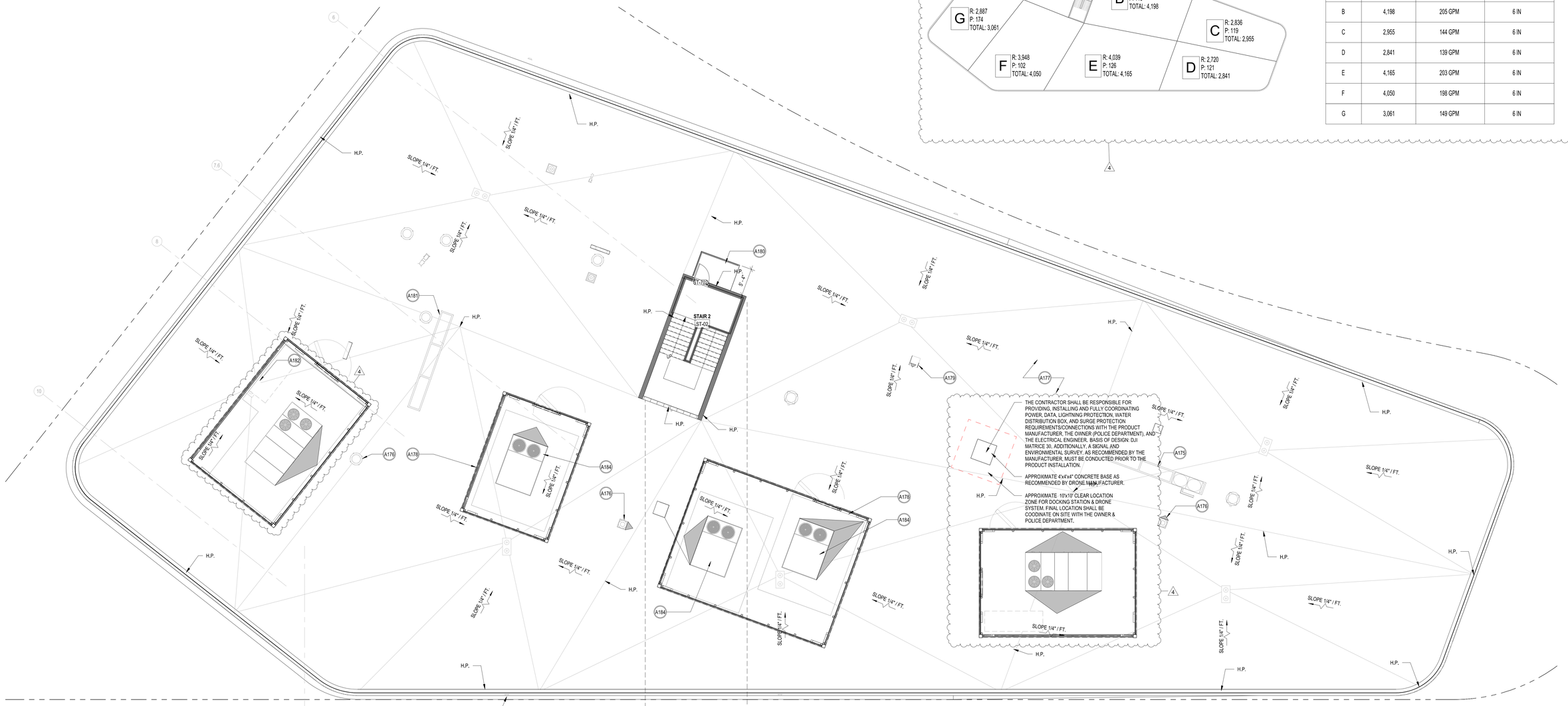
4	Plan Review	06/30/25

LEVEL 6 - FLOOR PLAN

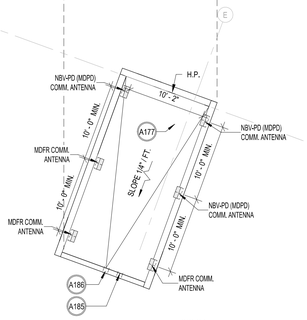
A-106



ROOF DATA BASED ON 4.7"/ HR

ROOF	TRIBUTARY AREA (S.F.)	ROOF DRAIN	
		(GPM = R"A"0.0104) FBC(P) 2020 1106.2	PROVIDED PIPE SIZE/CAPACITY
A	4,245	207 GPM	6 IN
B	4,198	205 GPM	6 IN
C	2,955	144 GPM	6 IN
D	2,841	139 GPM	6 IN
E	4,165	203 GPM	6 IN
F	4,050	198 GPM	6 IN
G	3,061	149 GPM	6 IN

1 ROOF
1/8" = 1'-0"



T.O PARAPET

SPECIFIC KEYNOTES - ALL	
Keynote Number	Keynote Text
A175	ALUMINUM MECHANICAL EQUIPMENT STAND. SUBMIT SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A FL. REGISTERED ENGINEER.
A176	EF - SEE MECHANICAL DRAWINGS
A177	ROOFING SYSTEM AS SCHEDULED
A178	REFER TO STRUCTURAL DRAWINGS FOR MECHANICAL EQUIPMENT ENCLOSURE. SUBMIT SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A FL. REGISTERED ENGINEER FOR PRE-FINISHED METAL SCREEN.
A179	FIRE STATION KITCHEN HOOD, REFER TO MECHANICAL DRAWINGS
A180	ALUMINUM LANDING. SUBMIT SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A FL. REGISTERED ENGINEER.
A181	ALUMINUM MECHANICAL EQUIPMENT STAND. SUBMIT SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A FL. REGISTERED ENGINEER.
A182	INDICATES COMBINATION WORKING/OVERFLOW SCUPPER, REFER TO PLUMBING DWGS. (TYPICAL)
A184	RTU - SEE MECHANICAL DRAWINGS
A185	8"W x 4"H EMERGENCY OVERFLOW SCUPPER TO 2" ABOVE LOW POINT ON ROOF PER FBC 2023 1514.4.2
A186	DOWNSPOUT WITH ALUMINUM COLLECTOR BOX

GENERAL NOTES

1. ROOFING PRODUCT BASIS-OF-DESIGN: JOHN MASVILLE 60 MIL PVC OR APPROVED EQUAL (COLOR WHITE) OVER LIGHTWEIGHT INSULATED CONCRETE (AVERAGE R-30) AT ALL ROOFS OVER CONDITIONED SPACES. PROVIDE ROOFING COMPONENTS AND MATERIALS APPROVED BY THE ROOFING PRODUCT MANUFACTURER. ASSEMBLE ROOFING COMPONENTS INCLUDING FLASHING, ROOF DRAINS, ETC. PER THE ROOFING PRODUCT MANUFACTURER'S DETAILS AND INSTRUCTIONS SO AS TO QUALIFY FOR, AND RECEIVE A SPECIAL 20-YEAR WEATHER-TIGHTNESS WARRANTY FROM THE MANUFACTURER AS WELL AS A SPECIAL 2-YEAR PROJECT WARRANTY FROM THE ROOFING INSTALLER COVERING ALL COMPONENTS OF THE ROOFING SYSTEM SUCH AS ROOFING, BASE FLASHING, ROOF INSULATION, FASTENERS, COVER BOARDS, ETC.. PROVIDE ROOFING FROM A QUALIFIED MANUFACTURER THAT IS FM GLOBAL APPROVED FOR ROOFING SYSTEM IDENTICAL TO THAT USED FOR THIS PROJECT.

2. PROVIDE METAL ROOF COPINGS AND PARAPET FASCIAS FABRICATED OF STAINLESS STEEL, COMPLY WITH "THE NRCA ROOFING MANUAL" AND THE SMACNA "ARCHITECTURAL SHEET METAL MANUAL REQUIREMENTS FOR DIMENSIONS AND PROFILES SHOWN UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED. PROVIDE MANUFACTURER'S 20-YEAR FINISH WARRANTY. SECURE COPINGS TO PARAPETS WITH CONT STAINLESS STEEL CLEATS.

3. PROVIDE GALVANIZED STEEL (PRIMED) INTERNALLY REINFORCED ROOF-CURB UNITS CAPABLE OF SUPPORTING SUPERIMPOSED LIVE AND DEAD LOADS, INCLUDING EQUIPMENT LOADS, WITH WELDED OR MECHANICALLY FASTENED, NON-SAG SEALED JOINTS AND INTEGRALLY FORMED DECK-MOUNTING FLANGE AT PERIMETER BOTTOM. COORDINATE DIMENSIONS WITH ROUGHING-IN INFORMATION ON SHOP DRAWINGS OF EQUIPMENT TO BE SUPPORTED.

4. ROOF SLOPES SHALL BE 1/4" PER FT. MINIMUM.

5. ROOF CRICKET SLOPE SHALL BE 1/2" PER FT. MINIMUM.

6. ROOFING SYSTEMS SHALL HAVE PRODUCT CONTROL NOTICE OF ACCEPTANCE.

7. ROOFING SYSTEM TO COMPLY WITH THE WIND PRESSURE REQUIREMENTS INDICATED ON THE STRUCTURAL DRAWINGS. REFER TO STRUCTURAL DRAWINGS FOR ROOF LOADS AND PRESSURE DESIGN DATA.

8. ROOF CONSTRUCTION TO BE UL RATED CLASS A

9. MANUFACTURER OF ROOFING SYSTEM SHALL SUBMIT ALL PROPOSED ROOFING DETAILS FOR FLASHING, ETC..

10. REFER TO PLUMBING DRAWINGS FOR ALL ROOF AND EMERGENCY OVERFLOW DRAINS CALCULATIONS.

4
REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:
1. PLAN REVISION
2. ROOF DRAINAGE DATA TABULATION

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ROOF PLAN

A-107

DIMENSION NOTES:

1. DIMENSIONS ARE INDICATED TO THE FACE OF CONCRETE WALL, NOMINAL FACE OF CMU WALL, OR CENTERLINE OF PARTITION TYPE AS SCHEDULED, UON. INTERIOR PARTITIONS ARE DIMENSIONED TO CENTERLINE OF STUD AND FROM INSIDE FACES OF EXTERIOR BLOCK WALLS.

2. ALIGNMENT OF PARTITIONS AND FINISHES AS SCHEDULED SHALL BE STRAIGHT, TRUE & PLUMB. THE PRIORITY FOR PROJECT DIMENSIONS SHALL BE IN THE FOLLOWING ORDER:

A. MINIMUM DIMENSIONS FOR ACCESSIBILITY CLEARANCE & BUILDING CODE REQUIREMENT
B. STRUCTURAL GRID
C. LARGE SCALE DETAILS
D. SMALL SCALE DETAILS
E. ENLARGED VIEWS
F. FLOOR PLANS AND ELEVATIONS

3. FLOOR ELEVATIONS ARE INDICATED TO THE FACE OF THE STRUCTURAL SLAB, UNLESS OTHERWISE NOTED.

4. VERTICAL DIMENSIONS ARE INDICATED FROM THE FINISH FLOOR ELEVATION TO FACE OF FINISHED MATERIAL AT THE DIMENSION POINT, UNLESS NOTED ABOVE FINISH FLOOR - "AFF".

5. DIMENSIONS SHOWN ON THE DRAWINGS SHALL INDICATE THE REQUIRED SIZE, CLEARANCE, AND DIMENSIONAL RELATIONSHIP BETWEEN PROJECT SYSTEMS AND COMPONENTS. DIMENSIONS SHALL NOT BE DETERMINED BY SCALING THE DRAWINGS.

6. MINIMUM DIMENSIONS FOR ACCESSIBILITY CLEARANCES AND BUILDING CODE REQUIREMENTS SHALL BE MAINTAINED.

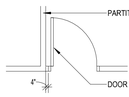
7. OPENINGS OCCURRING IN PARTITIONS OR WALLS:

A. WHEN ONE JAMB OCCURS AT A COLUMN OR GRID LINE NO DIMENSIONS WILL BE SHOWN ON THE SMALL SCALE PLANS. THE OPENING WIDTH WILL BE GOVERNED BY CRITERIA OR SCHEDULES.

B. WHEN NEITHER JAMB OCCURS AT A COLUMN OR GRID LINE ONE JAMB WILL BE DIMENSIONED.

9. DOOR LOCATIONS ARE TO BE LOCATED BY ONE OF FOLLOWING:

A. ONE JAMB FACE LOCATED BY A PARTITION AT RIGHT ANGLE. TYPICAL UNLESS INDICATED ON PLAN.



B. CENTERED IN WALL.
C. OR AS DIMENSIONED ON PLAN.

1 LEVEL 1 - EXTERIOR DIMENSION PLAN
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MARCEL R. MORLOTE
REGISTERED ARCHITECT

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1. PLAN REVISION

LEVEL 1 - DIMENSION PLAN

A-120

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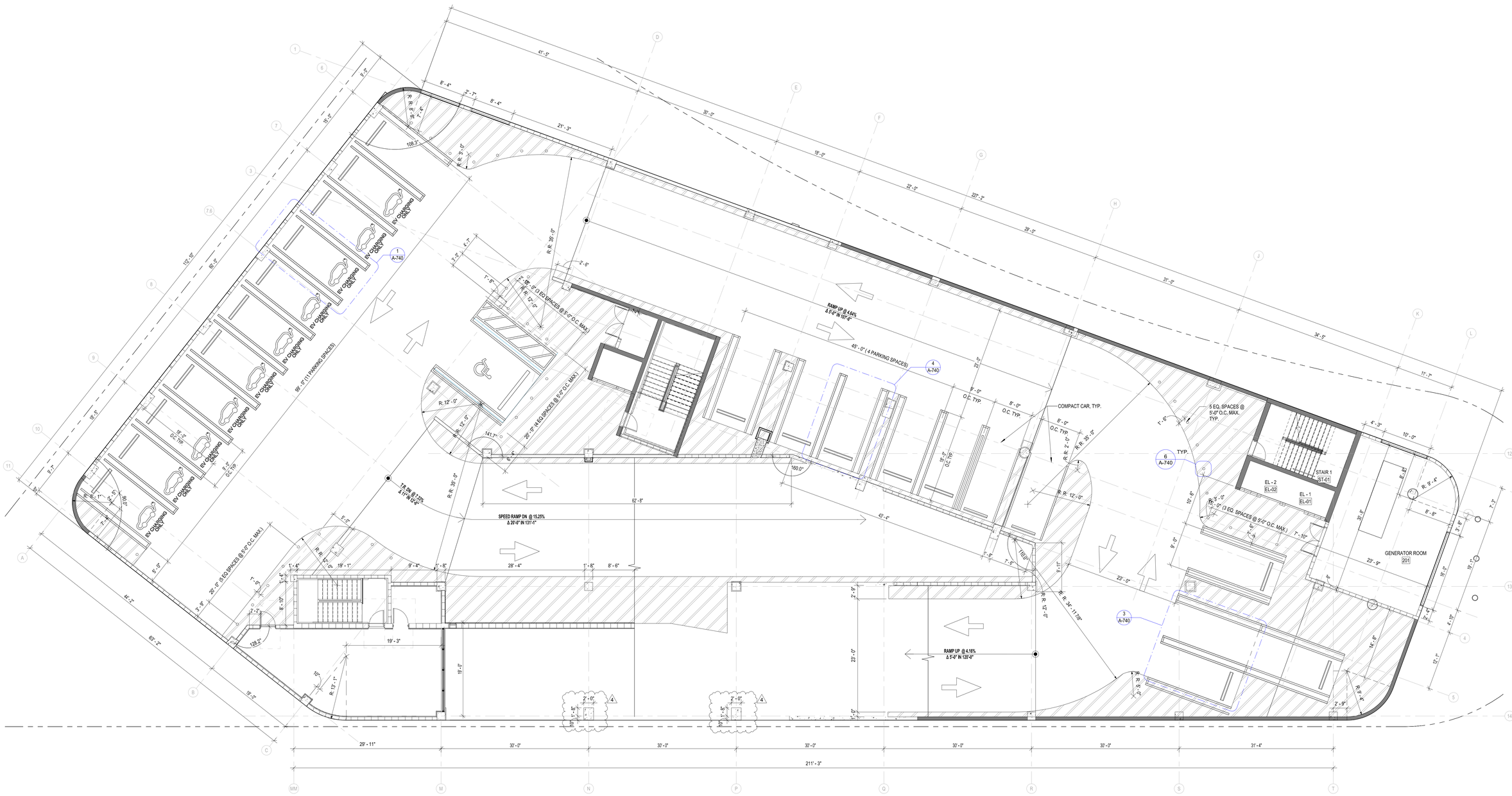

1 LEVEL 2 - DIMENSION PLAN

1/8" = 1'-0"

NOTE:

REFER TO SHEET A-120 FOR DIMENSIONS GENERAL NOTES.

SPECIFIC NOTES

TAG	NOTE

4

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1. PLAN REVISION
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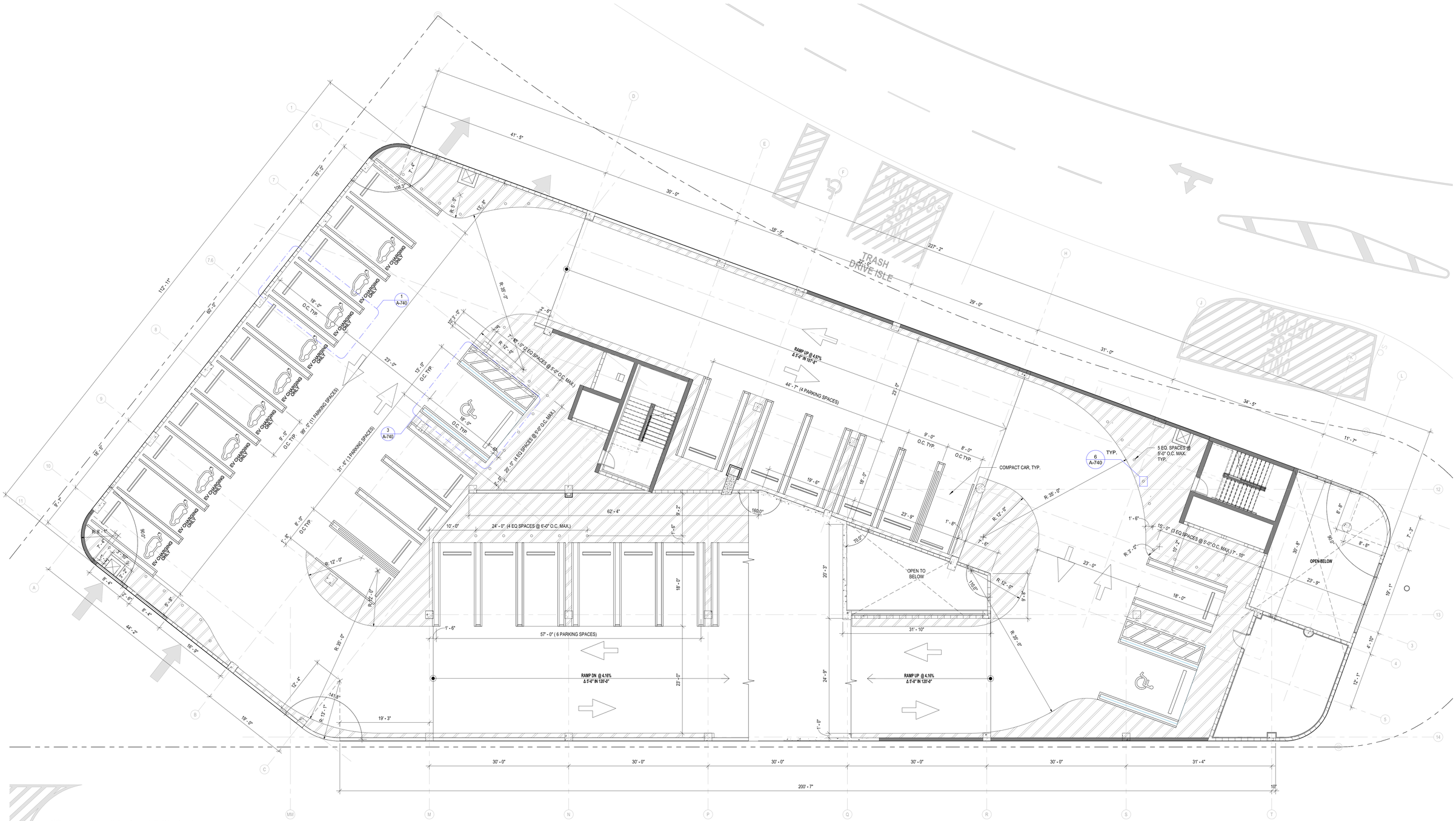
LEVEL 2 - DIMENSION PLAN

A-121



1 LEVEL 3A / 3B - DIMENSION PLAN
1/8" = 1'-0"

NOTE:
REFER TO SHEET A-120 FOR DIMENSIONS GENERAL NOTES.

SPECIFIC NOTES

TAG	NOTE

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2. ADDITION AND REVISION OF LOUVERS
3. SLAB OPENINGS

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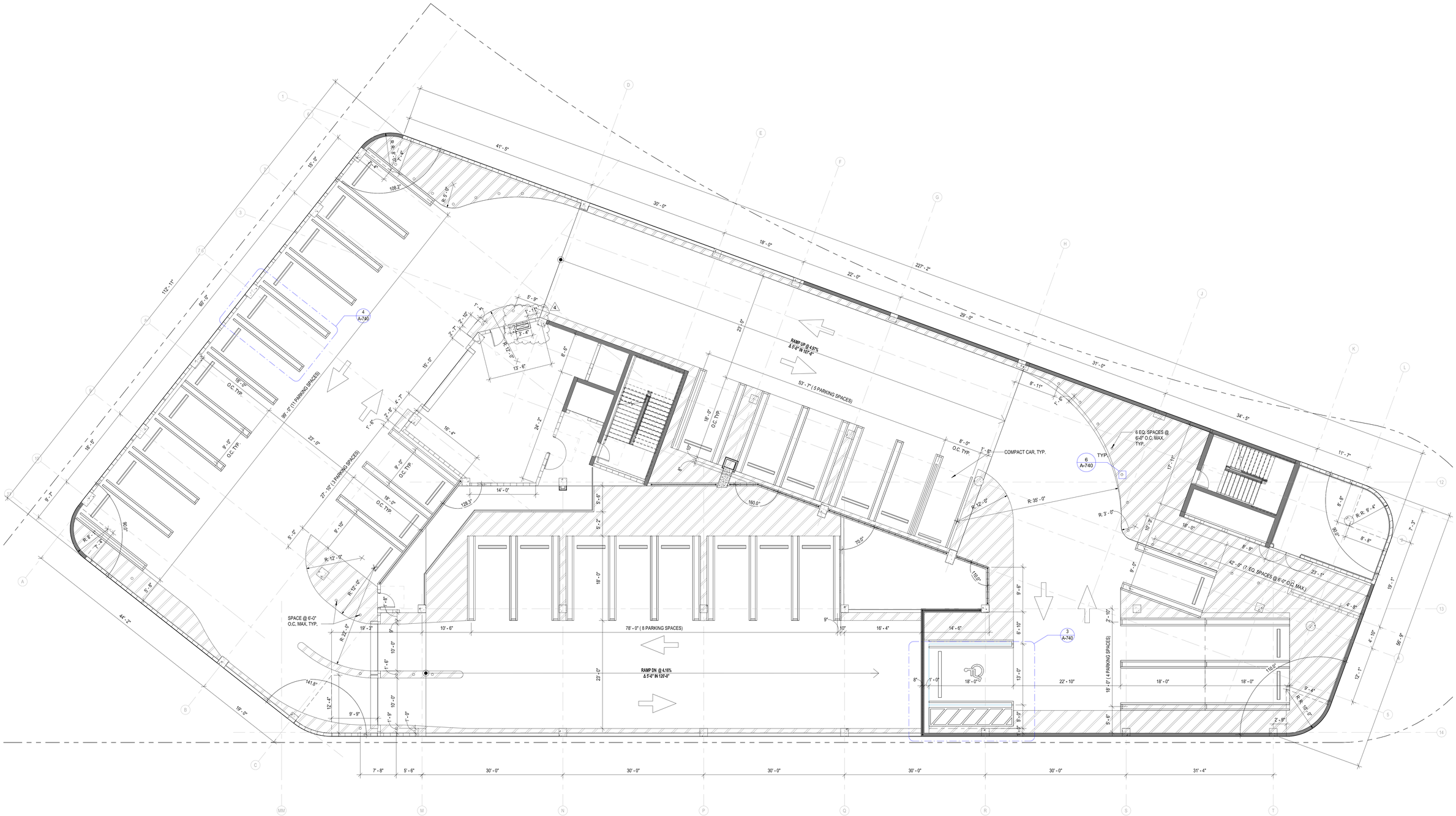
LEVEL 3 - DIMENSION PLAN

A-122



1 LEVEL 4 - DIMENSION PLAN

1/8" = 1'-0"

NOTE:

REFER TO SHEET A-120 FOR DIMENSIONS GENERAL NOTES.

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LEVEL 4 - DIMENSION PLAN

A-123

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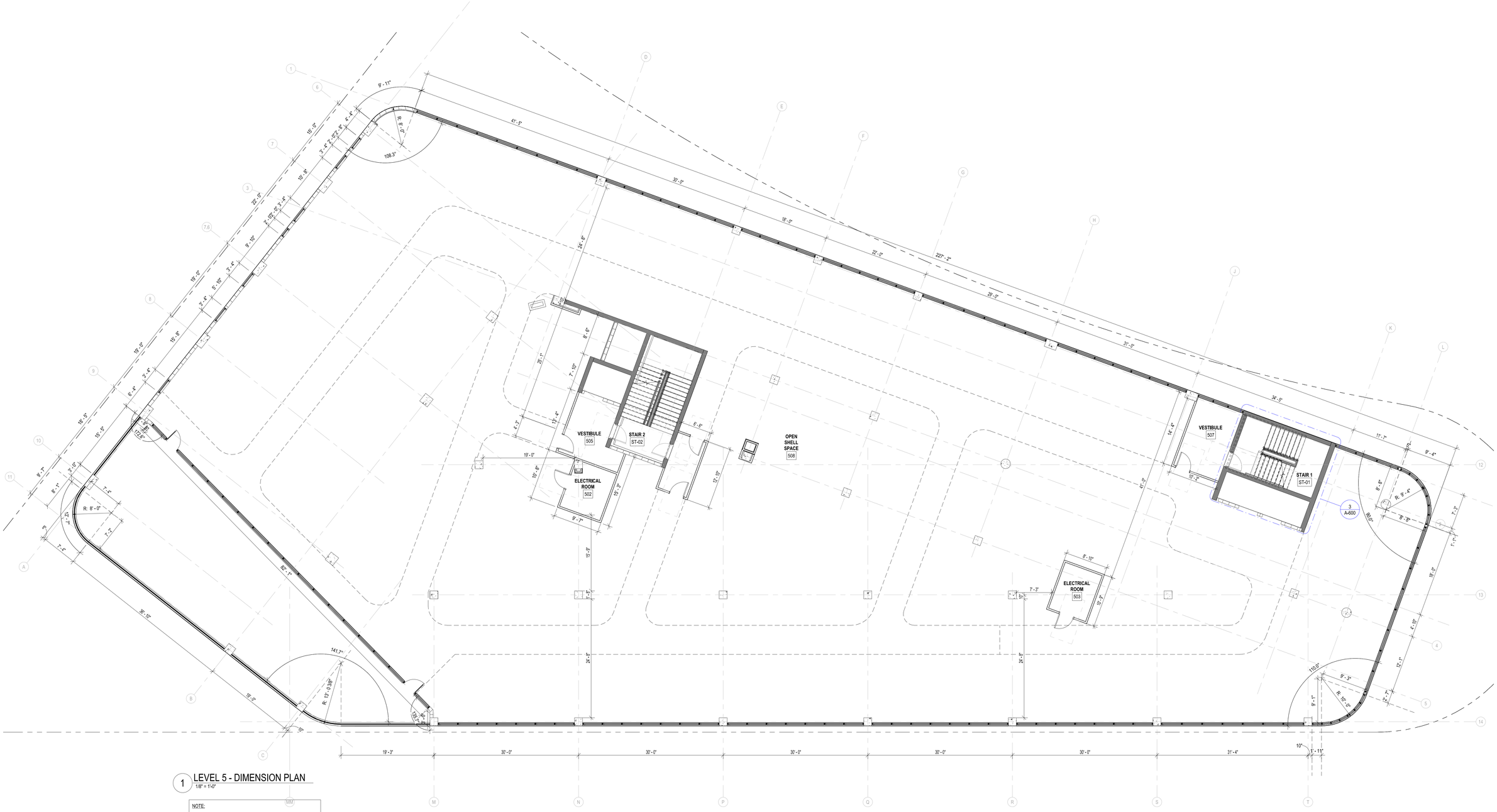

1 LEVEL 5 - DIMENSION PLAN
1/8" = 1'-0"

NOTE:
REFER TO SHEET A-120 FOR DIMENSIONS GENERAL NOTES.

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REGISTERED ARCHITECT 9564 L.I.C. INTERIOR DESIGNER 3655
MARCEL R. MORLOTE
STATE OF FLORIDA

MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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4	Plan Review	06/30/25

LEVEL 5 - DIMENSION PLAN
NEW SHEET
A-124

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

SPECIFIC NOTES

TAG	NOTE



1 LEVEL 6 - DIMENSION PLAN
1/8" = 1'-0"

NOTE:

REFER TO SHEET A-120 FOR DIMENSIONS GENERAL NOTES.

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MARCEL R. MORLOTE
REGISTERED ARCHITECT
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4	Plan Review	06/30/25

LEVEL 6 - DIMENSION PLAN

A-125

4
REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:
1. PLAN REVISION

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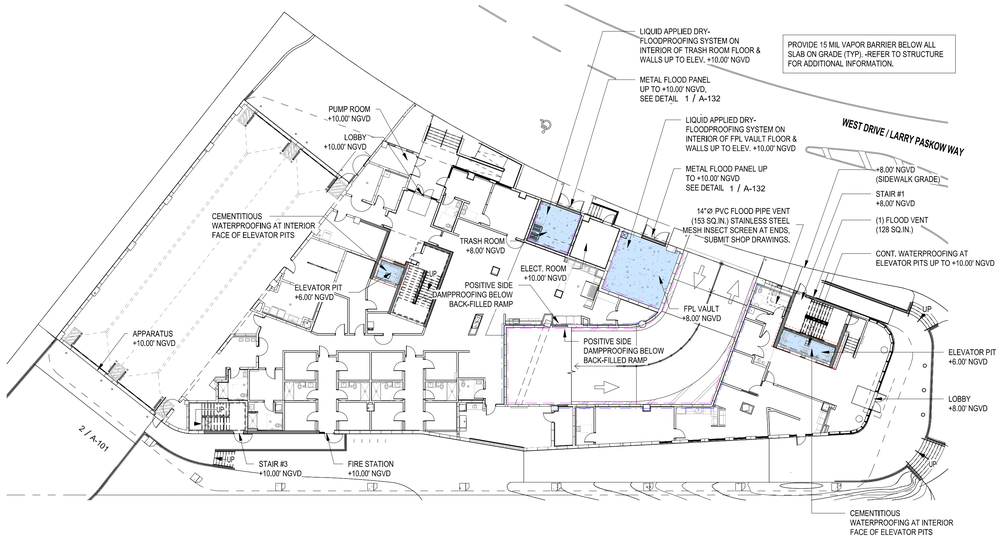
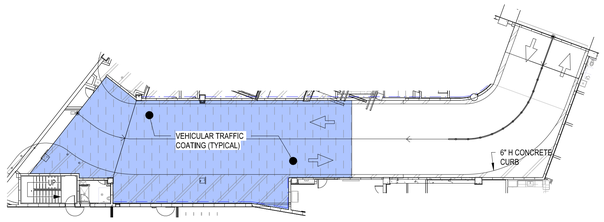
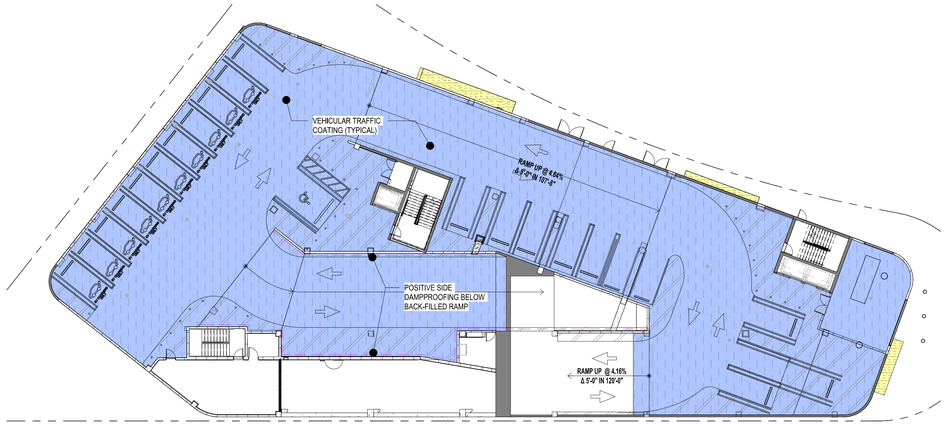


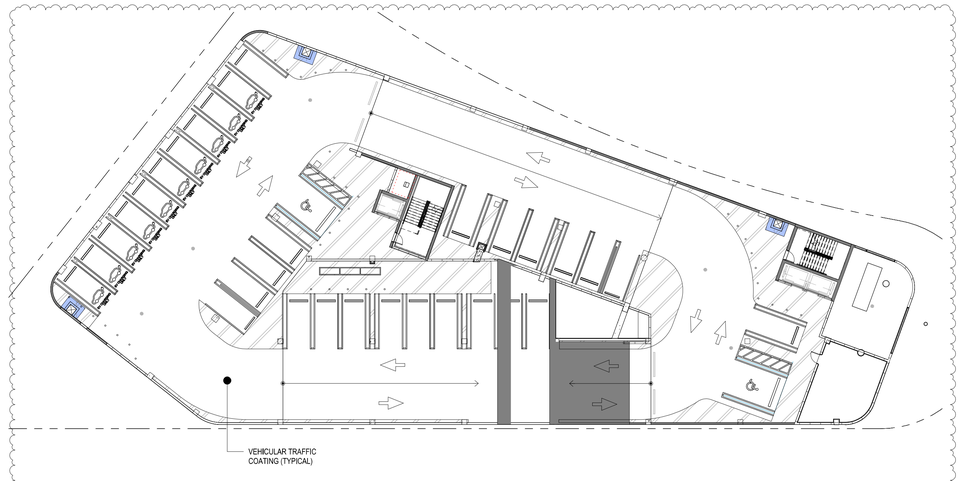
1 GROUND FLOOR-WATERPROOFING
1" = 20'-0"



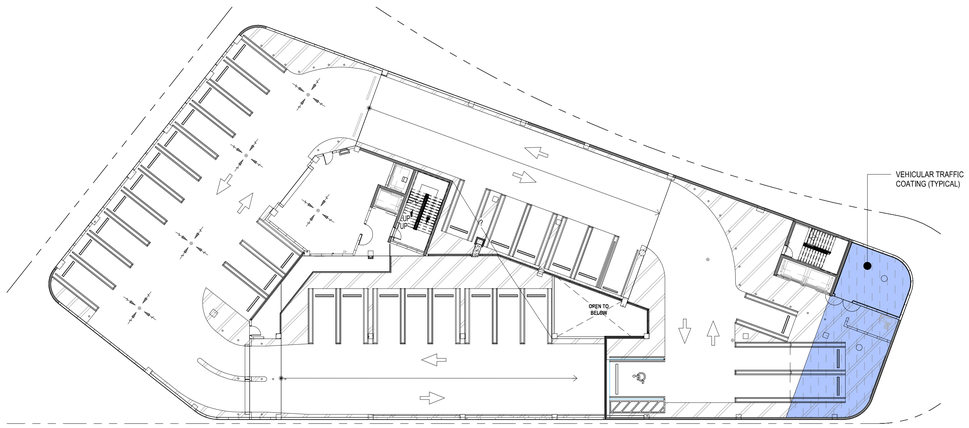
2 SPEED RAMP-WATERPROOFING
1" = 20'-0"



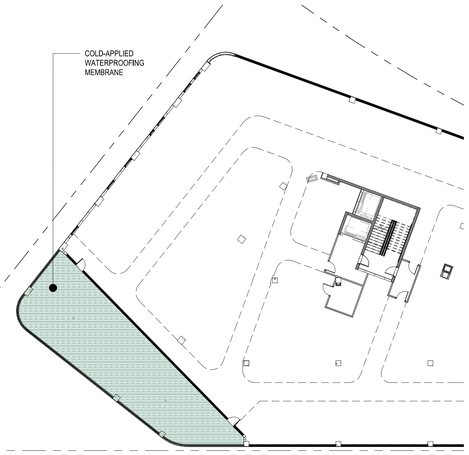
3 SECOND FLOOR-WATERPROOFING
1" = 20'-0"



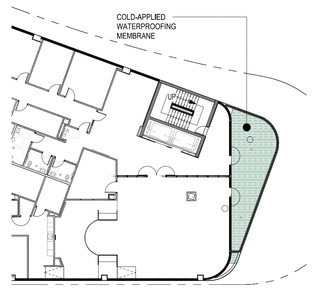
4 THIRD FLOOR-WATERPROOFING
1" = 20'-0"



5 FOURTH FLOOR-WATERPROOFING
1" = 20'-0"



6 FIFTH FLOOR-WATERPROOFING
1" = 20'-0"



7 SIXTH FLOOR-WATERPROOFING
1" = 20'-0"

WATERPROOFING DIAGRAM KEY

COLD FLUID-APPLIED DURABLE / VEHICULAR TRAFFIC COAT SYSTEM:
BASIS OF DESIGN
MANUFACTURER: TREMCO, INC.,
PRODUCT NAME: VULKEM 350NF/ 346/346

COLD-APPLIED WATERPROOFING SYSTEM | PLANTER
BASIS OF DESIGN
MANUFACTURER: TREMCO, INC.,
PRODUCT NAME: PUMA (PMMA-EWS)

UNDER-TILE PEDESTRIAN TRAFFIC COAT SYSTEM:
BASIS OF DESIGN
MANUFACTURER: TREMCO, INC.,
PRODUCT NAME: VULKEM 350NF

COLD FLUID-APPLIED SYSTEM:
BASIS OF DESIGN
MANUFACTURER: TREMCO, INC
PRODUCT NAME: VULKEM 350/351

DRY-FLOODPROOFING SYSTEM:
BASIS OF DESIGN
MANUFACTURER: XYPEX
PRODUCT NAME: CONCENTRATE - SURFACE APPLIED (FLOORS AND WALLS)

WATERPROOFING (@ ALL ROUGH OPENING: STOREFRONT/ WINDOWS/ LOUVERS, DOORS):
BASIS OF DESIGN
MANUFACTURER: TREMCO, INC
PRODUCT NAME: VULKEM 350NF/ 350NF @ 40 WET MILS + (CONT. SEALANT: DYMONIC 100)

WATERPROOFING (@ ELEVATOR PIT):
INTERIOR FACE JOINTS:
BASIS OF DESIGN
MANUFACTURER: XYPEX
PRODUCT NAME: CONCENTRATE

EXTERIOR FACE:
BASIS OF DESIGN
MANUFACTURER: TREMCO, INC
PRODUCT NAME: SALTWATER PARASEAL GM
HDPE/BENTONITE SHEET MEMBRANE DUAL WATERPROOFING SYSTEM

FLUID-APPLIED DAMPPROOFING SYSTEM (@ RAMP):
BASIS OF DESIGN
MANUFACTURER: TREMCO, INC
PRODUCT NAME: EXOAIR 230/230LT

FLUID-APPLIED SEAL SYSTEM (@ RAMP - INSIDE CONDITIONED SPACES):
BASIS OF DESIGN
MANUFACTURER: TREMCO, INC
PRODUCT NAME: EXOAIR 230/230LT

GENERAL SEALANT NOTES:

1. PRIMARY EXTERIOR SEALANT - PERIMETER OF ALL WINDOWS AND DOORS MUST BE CONTINUOUSLY SEALED. GYPSUM BOARD MUST BE ALSO CONTINUOUSLY SEALED ALONG JAMB, HEADER AND SILL OF ALL STOREFRONT, DOORS & LOUVERS. PRIMARY SEALANT SHALL BE APPLIED DIRECTLY TO THE STRUCTURE, BEAUTY BEAD (COMPATIBLE WITH PRIMARY SEALANT) CAN BE ADDED TO THE STUCCO LATER.
2. WATERPROOFING SYSTEM ON ROUGH OPENINGS AT WINDOWS, DOORS, LOUVERS & FLOOD VENTS SHALL EXTEND 8" MIN. ON THE INTERIOR/EXTERIOR SIDE OF THE WALLS.
3. PLUG HOLLOW JAMBS AND MULLION ENDS WITH SILICONE SEALANT AND BACKER-ROD. REQUIRED FOR EXTERIOR PERIMETER BACKER-ROD SUPPORT.EXTERIOR PERIMETER SILICONE SEALANT INSTALLATION 1/4 MIN.

FLOOD REQUIREMENT NOTES:

- ELEVATIONS NOTED ARE BASED ON NGVD 1929
- ALL CONSTRUCTION MATERIAL BELOW DESIGN FLOOD ELEVATION (+10.00' NGVD) SHALL BE FLOOD-DAMAGE- RESISTANT MATERIAL (FEMA TECHNICAL BULLETIN 2).
- ELECTRICAL SYSTEMS, EQUIPMENT, AND COMPONENTS, HEATING, VENTILATION, AIR CONDITIONING, PLUMBING, APPLIANCES AND PLUMBING FIXTURES, DUCT SYSTEMS AND OTHER SERVICE EQUIPMENT SHALL BE LOCATED AT OR ABOVE DESIGN FLOOD ELEVATION (+10.00 NGVD).
- ENCLOSED AREAS BELOW DESIGN FLOOD ELEVATION (+10.00 NGVD) SHALL BE USED SOLELY FOR BUILDING ACCESS OR STORAGE.
- FLOOD OPENINGS SHALL NOT BE LESS THAN 3 INCHES IN ANY DIRECTION IN THE PLANE OF THE WALL.
- FLOOD OPENING LOUVERS, SCREENS, OR OTHER OPENING COVERS SHALL NOT BLOCK OR IMPEDE THE AUTOMATIC FLOW OF FLOOD WATER INTO OR OUT OT THE ENCLOSED AREA.
- THE FOLLOWING AREA USED SOLELY FOR BUILDING ACCESS ARE FURNISHED WITH FLOOD VENTS AND PIPE FLOOD VENT, WITH MINIMUM 2 OPENINGS ON DIFFERENT SIDES OF EACH ENCLOSED AREA HAVING A NET AREA OF NOT LESS THAN ONE SQUARE INCH FOR EVERY SQUARE INCH OF ENCLOSED AREA SUBJECT TO FLOODING.
  1. STAIR #1: 274 SQ.FT = 281 SQ.IN. FLOOD VENTS PROVIDED
  2. THE BOTTOM OF THE FLOOD VENT SHALL BE NO HIGHER THAN 1'-0" ABOVE THE HIGHER OF THE EXTERIOR OR INTERIOR GRADE OR FLOOR IMMEDIATELY BELOW THE OPENING.
  3. FLOOD VENTS TO BE FEMA ACCEPTED
- TO MINIMIZE THE LOSS OF LIFE, INJURIES, AND DAMAGES, A SYSTEM OF INTERLOCKING CONTROLS WITH ONE OR MORE FLOAT SWITCHES IN THE ELEVATOR SHAFT WHICH PREVENTS THE CAB FROM DESCENDING INTO FLOOD WATERS SHOULD BE INSTALLED. IN ADDITION, THE MAJORITY OF THE ELECTRICAL EQUIPMENT SUCH AS ELECTRICAL JUNCTION BOXES, AND CIRCUIT AND CONTROL PANELS SHOULD BE ELEVATED ABOVE DFE (+10.00' NGVD).
- ELEVATOR SHALL BE INSTALLED ACCORDING TO ASCE 24-05 SECTION 7.5 & FEMA TECHNICAL BULLETIN 4.
- ELEVATOR WILL BE EQUIPPED WITH FLOAT DEVICE, ADEQUATE DRAINAGE, AND SUMP PUMP.
- FLOOD BARRIERS WILL BE SUBMITTED UNDER A SEPARATE PERMIT.

DRY-FLOODPROOFING REQUIREMENTS:

- FPL VAULT ROOM & TRASH ROOM WILL BE DESIGNED AND CONSTRUCTED ACCORDING TO 2023 FBC CHAPTER 16 AND ASCE 24 SO THAT ANY STRUCTURE OR AREA BELOW DESIGN FLOOD ELEVATION (+10.00' NGVD), TOGETHER WITH ATTENDANT UTILITY AND SANITARY FACILITIES, IS WATERTIGHT WITH WALLS SUBSTANTIALLY IMPERMEABLE TO THE PASSAGE OF WATER AND WITH STRUCTURAL COMPONENTS HAVING THE CAPABILITY OF RESISTING HYDROSTATIC AND HYDRODYNAMIC LOADS AND EFFECTS OF BUOYANCY.
- ALL OPENINGS INSIDE THE DRY-FLOODPROOFED AREA BELOW DESIGN FLOOD ELEVATION (+10.00' NGVD) WILL BE PROTECTED BY FLOOD BARRIERS.

INSPECTION REQUIREMENTS:

- CONTRACTOR SHALL SUBMIT AN UNDER CONSTRUCTION ELEVATION CERTIFICATE AND FLOOD PROOFING CERTIFICATE UPON PLACEMENT OF THE LOWEST FLOOR AND PRIOR TO FURTHER VERTICAL CONSTRUCTION TO BUILDING DEPARTMENT FOR REVIEW AND APPROVAL.
- OWNER OR CONTRACTOR SHALL SUBMIT A FINISHED CONSTRUCTION ELEVATION CERTIFICATE, FLOOD PROOFING CERTIFICATE, AND FLOOD EMERGENCY RESPONSE PLAN (FERP) PRIOR TO BUILDING FINAL INSPECTION. THE FERP WILL INCLUDE BUT NOT LIMITED TO:
  - -PERSONS OF AUTHORITY
  - -DESCRIPTION OF PURPOSE OF FERP
  - -ZONE MAP
  - -INSTALLATION INSTRUCTIONS
  - -ELECTRICAL SHUT-DOWN PROCESS
  - -EVACUATION INSTRUCTIONS
  - -POST EVENT INSTRUCTIONS
  - -CLEAN-UP
  - -RECOVERY PLANS
  - -MAINTENANCE
- THE FLOOD BARRIERS AND COMPONENTS SHALL BE INSTALLED IN ITS ENTIRETY, APPROVED BY THE OWNER AND OFFICIAL HAVING JURISDICTION.

4 REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:

1. PLAN REVISION

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1	Plan Review	11/08/24
2	Plan Review	12/20/24
4	Plan Review	06/30/25

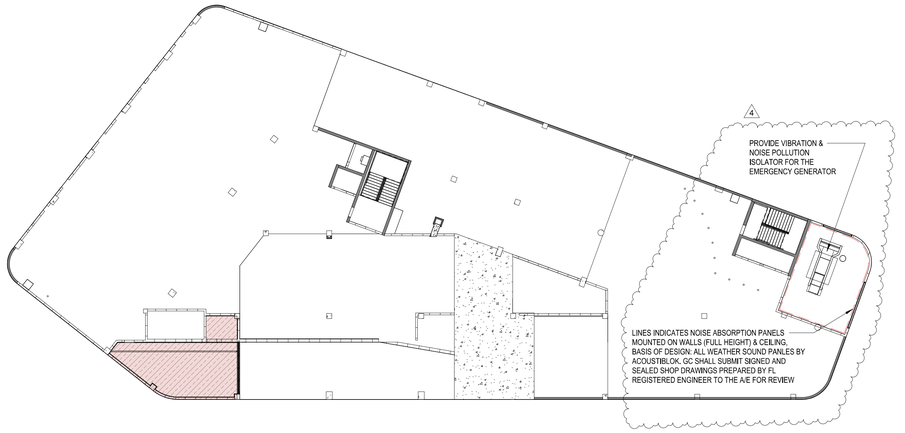
WATERPROOFING DIAGRAMS

A-130

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



1 LEVEL 1 - INSULATION
SCALE: 1" = 20'-0"



2 LEVEL 2 - INSULATION
SCALE: 1" = 20'-0"

INSULATION DIAGRAM KEY

IN-01 - OPEN CELL FOAM INSULATION
BASIS OF DESIGN
MANUFACTURER: MONOGLASS INCORPORATED
PRODUCT NAME: MONOGLASS SPRAY-ON
MINIMUM R-VALUE: R-19
APPLICATION: SPRAY-APPLIED THERMAL INSULATION

IN-02 - FLUID APPLIED AIR & VAPOR PERMEABLE MEMBRANE
BASIS OF DESIGN
MANUFACTURER: TREMCO, INC
PRODUCT NAME: EXOAIR 230/230LT
APPLICATION: ROLLED

IN-03 - LIGHT-WEIGHT INSULATING CONCRETE SYSTEM:
BASIS OF DESIGN
MANUFACTURER: CELCORE
PRODUCT NAME: LWIC
MINIMUM R-VALUE: R-32
APPLICATION: POURED ABOVE STRUCTURAL ROOF DECK WITH EPS FOAM, AS REQUIRED.

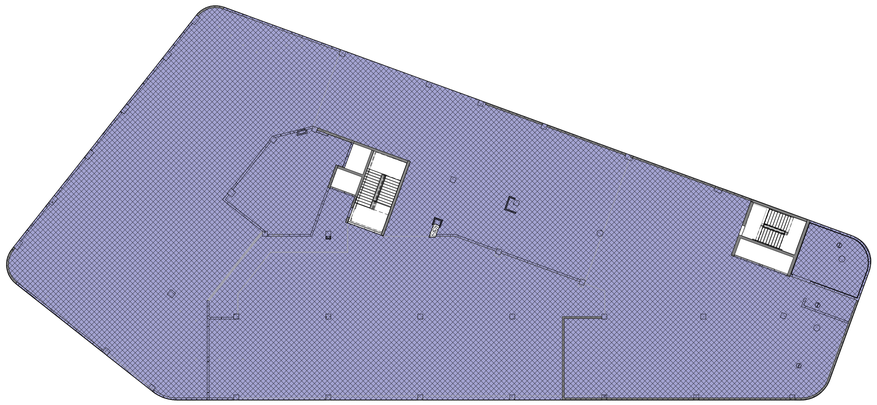
SINGLE-PLY MEMBRANE ROOFING SYSTEM:
BASIS OF DESIGN
MANUFACTURER: JOHN MASVILLE PVC MEMBRANE (60 MIL)
PRODUCT NAME: JM TPO ROOFING MEMBRANE

VIBRATION & SOUND ATTENUATION DIAGRAM KEY

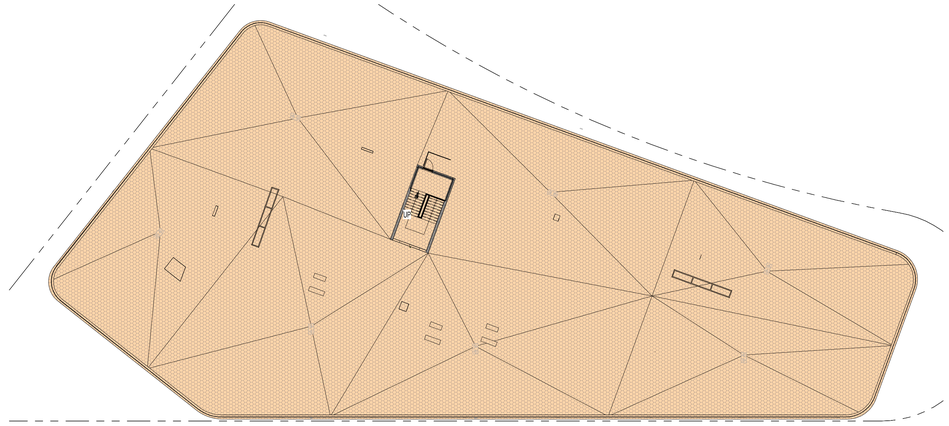
ALL SUSPENDED UTILITIES INCLUDING BUT NOT LIMITED TO PLUMBING, FIRE PROTECTION, CEILING SYSTEM, LIGHTING AND HVAC SHALL RECEIVE VIBRATION ISOLATORS/ ANTI-VIBRATION RUBBER MOUNTS FOR ON THE FIRE STATION (HABITABLE AREAS), MAIN LOBBY AND THE FRONT COUNTER DEPARTMENT. THE DESIGNATED AREA WILL BE DESIGNED BY FLORIDA REGISTERED ENGINEER. SUBMIT SIGNED AND SEALED SHOP DRAWINGS TO ARCHITECT FOR REVIEW.

SHADED AREA TO ACHIEVE ICC RATING 74 MIN.

SHADED AREA TO ACHIEVE ICC RATING 84 MIN.



3 LEVEL 4 - INSULATION
SCALE: 1" = 20'-0"



4 ROOF - INSULATION
SCALE: 1" = 20'-0"



5 GROUND FLOOR-VIBRATION ISOLATION
SCALE: 1" = 20'-0"

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1. PLAN REVISION FOR GENERATOR

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REGISTERED ARCHITECT
MARCEL R. MORLOTE
LICENSE NUMBER

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INSULATION DIAGRAMS

A-131

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ESR-2074

Reissued 02/2017
Revised 10/2018
This report is subject to renewal 02/2019.

DIVISION: 08 00 00—OPENINGS
SECTION: 08 95 43—VENTS/FOUNDATION FLOOD VENTS

REPORT HOLDER:

SMART VENT PRODUCTS, INC.

EVALUATION SUBJECT:

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574; #1540-524; #1540-514 FLOOD VENT SEALING KIT #1540-526

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"2014 Recipient of Prestigious Western States Seismic Policy Council (WSSPC) Award in Excellence"

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ANSI ACCREDITED ISO/IEC 17065 Product Certification Body #1059

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feet (18.6 m^2) of enclosed area, except that the SmartVENT® Stacking Model #1540-511 and FloodVENT® Stacking Model #1540-521 must be installed with a minimum of one FV for every 400 square feet (37.2 m^2) of enclosed area.

- Below the base flood elevation.
- With the bottom of the FV located a maximum of 12 inches (305.4 mm) above the higher of the final grade or floor and finished exterior grade immediately under each opening.

4.2 Flood Vent Sealing Kit

The Flood Vent Sealing Kit Model 1540-526 is used in conjunction with FloodVENT® Model #1540-520. When installed and tested in accordance with ASTM E283, the FV and Flood Vent Sealing Kit assembly have an air leakage rate of less than 0.2 cubic feet per minute per lineal foot (18.56 l/min per lineal meter) at a pressure differential of 1 pound per square foot (50 Pa) based on 12.58 lineal feet (3.8 lineal meters) contained by the Flood Vent Sealing Kit.

5.0 CONDITIONS OF USE

The Smart Vent® FVs described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 The Smart Vent® FVs must be installed in accordance with this report, the applicable code and the manufacturer's installation instructions. In the event of a conflict, the instructions in this report govern.

5.2 The Smart Vent® FVs must not be used in the place of "breakaway walls" in coastal high hazard areas, but are permitted for use in conjunction with breakaway walls in other areas.

6.0 EVIDENCE SUBMITTED

6.1 Data in accordance with the ICC-ES Acceptance Criteria for *Mechanically Operated Flood Vents* (AC364), dated August 2015 (editorially revised October 2017).

6.2 Test report on air infiltration in accordance with ASTM E283.

7.0 IDENTIFICATION

7.1 The Smart VENT® models and the Flood Vent Sealing Kit recognized in this report must be identified by a label bearing the manufacturer's name (Smartvent Products, Inc.), the model number, and the evaluation report number (ESR-2074).

7.2 The report holder's contact information is the following:

SMART VENT PRODUCTS, INC.
430 ANDBRO DRIVE, UNIT 1
PITMAN, NEW JERSEY 08071
(877) 441-8368
www.smartvent.com
Info@smartvent.com

TABLE 1—MODEL SIZES

MODEL NAME	MODEL NUMBER	MODEL SIZE (in.)	COVERAGE (sq. ft.)
FloodVENT®	1540-520	$15^3/_4$" X $7^3/_4$"	200
SmartVENT®	1540-510	$15^3/_4$" X $7^3/_4$"	200
FloodVENT® Overhead Door	1540-524	$15^3/_4$" X $7^3/_4$"	200
SmartVENT® Overhead Door	1540-514	$15^3/_4$" X $7^3/_4$"	200
Wood Wall FloodVENT®	1540-570	14" X $8^1/_4$"	200
Wood Wall FloodVENT® Overhead Door	1540-574	14" X $8^1/_4$"	200
SmartVENT® Stacker	1540-511	16" X 16"	400
FloodVent® Stacker	1540-521	16" X 16"	400

For SI: 1 inch = 25.4 mm; 1 square foot = m^2

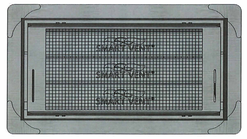

FIGURE 1—SMART VENT: MODEL 1540-510

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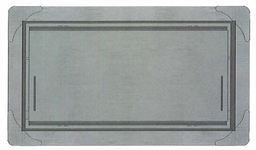

FIGURE 2—SMART VENT MODEL 1540-520

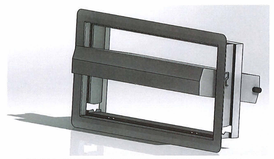

FIGURE 3—SMART VENT: SHOWN WITH FLOOD DOOR PIVOTED OPEN

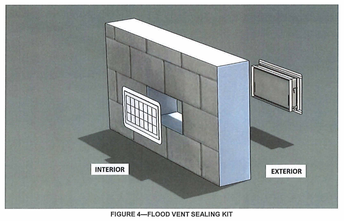

FIGURE 4—FLOOD VENT SEALING KIT

EVALUATION REPORT

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Most Widely Accepted and Trusted

ICC-ES Evaluation Report

ESR-2074

Reissued February 2017
Revised October 16, 2018
This report is subject to renewal February 2019.

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DIVISION: 08 00 00—OPENINGS
Section: 08 95 43—Vents/Foundation Flood Vents

REPORT HOLDER:

SMART VENT PRODUCTS, INC.

EVALUATION SUBJECT:

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574; #1540-524; #1540-514 FLOOD VENT SEALING KIT #1540-526

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2018, 2015, 2012, 2009 and 2006 *International Building Code®* (IBC)
- 2018, 2015, 2012, 2009 and 2006 *International Residential Code®* (IRC)
- 2018 *International Energy Conservation Code®* (IECC)
- 2013 *Abu Dhabi International Building Code* (ADIBC)†

†The ADIBC is based on the 2009 IBC. 2009 IBC code sections referenced in this report are the same sections in the ADIBC.

Properties evaluated:

- Physical operation
- Water flow

2.0 USES

The Smart Vent® units are engineered mechanically operated flood vents (FVs) employed to equalize hydrostatic pressure on walls of enclosures subject to rising or falling flood waters. Certain models also allow natural ventilation.

3.0 DESCRIPTION

3.1 General:

When subjected to rising water, the Smart Vent® FVs internal floats are activated, then pivot open to allow flow in either direction to equalize water level and hydrostatic pressure from one side of the foundation to the other. The FV pivoting door is normally held in the closed position by a buoyant release device. When subjected to rising water, the buoyant release device causes the unit to unlatch, allowing the door to rotate out of the way and allow flow. The water level stabilizes, equalizing the lateral forces. Each unit is fabricated from stainless steel. Smart Vent® Automatic Foundation Flood Vents are available in various models and sizes as described in Table 1. The SmartVENT® Stacking Model #1540-511 and FloodVENT® Stacking Model #1540-521 units each contain two vertically arranged openings per unit.

3.2 Engineered Opening:

The FVs comply with the design principle noted in Section 2.7.2.2 and Section 2.7.3 of ASCE/SEI 24-14 [Section 2.6.2.2 of ASCE/SEI 24-05 (2012, 2009, 2006 IBC and IRC)] for a maximum rate of rise and fall of 5.0 feet per hour (0.423 mm/s). In order to comply with the engineered opening requirement of ASCE/SEI 24, Smart Vent FVs must be installed in accordance with Section 4.0.

3.3 Ventilation:

The SmartVENT® Model #1540-510 and SmartVENT® Overhead Door Model #1540-514 both have screen covers with $^1/_4$-inch-by-$^1/_4$-inch (6.35 by 6.35 mm) openings, yielding 51 square inches (32 903 mm^2) of net free area to supply natural ventilation. The SmartVENT® Stacking Model #1540-511 consists of two Model #1540-510 units in one assembly, and provides 102 square inches (65 806 mm^2) of net free area to supply natural ventilation. Other FVs recognized in this report do not offer natural ventilation.

3.4 Flood Vent Sealing Kit:

The Flood Vent Sealing Kit Model #1540-526 is used with SmartVENT® Model #1540-520. It is a Homasote 440 Sound Barrier® (ESR-1374) insert with 21 – 2-inch-by-2-inch (51 mm x 51 mm) squares cut in it. See Figure 4.

4.0 DESIGN AND INSTALLATION

4.1 SmartVENT® and FloodVENT®:

SmartVENT® and FloodVENT® are designed to be installed into walls or overhead doors of existing or new construction from the exterior side. Installation of the vents must be in accordance with the manufacturer's instructions, the applicable code and this report. Installation clips allow mounting in masonry and concrete walls of any thickness. In order to comply with the engineered opening design principle noted in Section 2.7.2.2 and 2.7.3 of ASCE/SEI 24-14 [Section 2.6.2.2 of ASCE/SEI 24-05 (2012, 2009, 2006 IBC and IRC)], the Smart Vent® FVs must be installed as follows:

- With a minimum of two openings on different sides of each enclosed area.
- With a minimum of one FV for every 200 square

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ICC-ES Evaluation Report

ESR-2074 CBC and CRC Supplement

Issued February 2017
Revised October 16, 2018
This report is subject to renewal February 2019.

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DIVISION: 08 00 00—OPENINGS
Section: 08 95 43—Vents/Foundation Flood Vents

REPORT HOLDER:

SMART VENT PRODUCTS, INC.

EVALUATION SUBJECT:

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574; #1540-524; #1540-514 FLOOD VENT SEALING KIT #1540-526

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Smart Vent® Automatic Foundation Flood Vents, recognized in ICC-ES master evaluation report ESR-2074, have also been evaluated for compliance with codes noted below.

Applicable code edition:

- 2016 *California Building Code* (CBC)
- 2016 *California Residential Code* (CRC)

2.0 CONCLUSIONS

2.1 CBC:

The Smart Vent® Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2074, comply with 2016 CBC Chapter 12, provided the design and installation are in accordance with the 2015 *International Building Code®* (IBC) provisions noted in the master report and the additional requirements of CBC Chapters 12, 16 and 16A, as applicable.

The products recognized in this supplement have not been evaluated under CBC Chapter 7A for use in the exterior design and construction of new buildings located in any Fire Hazard Severity Zone within State Responsibility Areas or any Wildland-Urban Interface Fire Area.

2.2 CRC:

The Smart Vent® Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2074, comply with the 2016 CRC, provided the design and installation are in accordance with the 2015 *International Residential Code®* (IRC) provisions noted in the master report.

The products recognized in this supplement have not been evaluated under 2016 CRC Chapter R337, for use in the exterior design and construction of new buildings located in any Fire Hazard Severity Zone within State Responsibility Areas or any Wildland-Urban Interface Fire Area.

The products recognized in this supplement have not been evaluated for compliance with the International Wildland–Urban Interface Code®.

This supplement expires concurrently with the master report, reissued February 2017 and revised October 16, 2018.

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ICC-ES Evaluation Report

ESR-2074 FBC Supplement

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DIVISION: 08 00 00—OPENINGS
Section: 08 95 43—Vents/Foundation Flood Vents

REPORT HOLDER:

SMART VENT PRODUCTS, INC.

EVALUATION SUBJECT:

SMART VENT® AUTOMATIC FOUNDATION FLOOD VENTS: MODELS #1540-520; #1540-521; #1540-510; #1540-511; #1540-570; #1540-574; #1540-524; #1540-514 FLOOD VENT SEALING KIT #1540-526

1.0 REPORT PURPOSE AND SCOPE

Purpose:

The purpose of this evaluation report supplement is to indicate that Smart Vent® Automatic Foundation Flood Vents, recognized in ICC-ES master report ESR-2074, have also been evaluated for compliance with the codes noted below.

Applicable code editions:

- 2017 *Florida Building Code—Building*
- 2017 *Florida Building Code—Residential*

2.0 CONCLUSIONS

The Smart Vent® Automatic Foundation Flood Vents, described in Sections 2.0 through 7.0 of the master evaluation report ESR-2074, comply with the *Florida Building Code—Building* and the FRC, provided the design and installation are in accordance with the 2015 *International Building Code®* provisions noted in the master report.

Use of the Smart Vent® Automatic Foundation Flood Vents has also been found to be in compliance with the High-Velocity Hurricane Zone provisions of the *Florida Building Code—Building* and the *Florida Building Code—Residential* .

For products falling under Florida Rule 9N-3, verification that the report holder's quality assurance program is audited by a quality assurance entity approved by the Florida Building Commission for the type of inspections being conducted is the responsibility of an approved validation entity (or the code official when the report holder does not possess an approval by the Commission).

This supplement expires concurrently with the master report, reissued February 2017 and revised October 16, 2018.

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DETAIL DIAGRAM
MODEL 1540–520
FLOOD VENT INSULATED

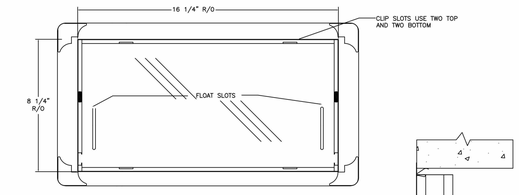


FIGURE 1
FRONT VIEW

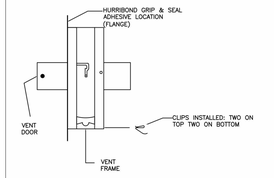


FIGURE 2
SIDE VIEW

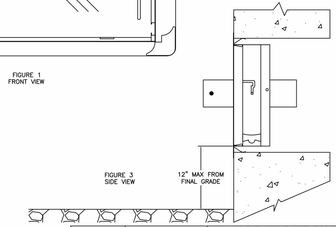


FIGURE 3
SIDE VIEW

SMART VENT®
877–441–8368
WWW.SMARTVENT.COM

SMART VENT FOUNDATION FLOOD VENTS
430 ANDBRO DR., UNIT 1
PITMAN NJ 08071

FLOOD VENT INSULATED
MODEL 1540–520

SIZE	DWG NO.	REV
A	1540–520	B
DATE: 6–21–16	SHEET 1 OF 2	

Smart VENT
877– 441– 8368
www.smartvent.com

INSTALLATION INSTRUCTIONS
& DETAILS
MODEL 1540–520
FLOODVENT INSULATED

INSTALLATION INSTRUCTIONS

1. REMOVE VENT DOOR FROM VENT FRAME. (TURN UPSIDE DOWN, ROTATE BOTTOM OF DOOR OUTWARD AND SLIDE OUT)
2. PREPARE A CLEAN 16.25" WIDE BY 8.25" HIGH ROUGH OPENING (APPROX. 1 BLOCK WIDE X 1 BLOCK HIGH) FOR EACH VENT. ENSURE THE BOTTOM OF THE ROUGH OPENING IS NO MORE THAN 12" ABOVE THE FINISHED GRADE.
3. APPLY A BEAD OF HURRIBOND GRIP & SEAL OR EQUIVALENT ADHESIVE AROUND THE BACK OF THE FLANGE ON THE VENT FRAME. (FIG. 2)
4. INSERT INSTALLATION CLIPS INTO THE TWO SLOTS ON THE TOP AND TWO SLOTS ON THE BOTTOM OF THE FRAME.
5. THE SPRING ARM OF THE CLIPS SHOULD BE ON THE OUTSIDE OF THE VENT FRAME.
   COMPRESS THE BOTTOM TWO CLIPS AND BEGIN SLIPPING THE FRAME INTO THE OPENING. ENSURE THAT THE BOTTOM CLIPS ARE IN THE OPENING BEFORE ALLOW THEM TO DECOMPRESS.
6. WITH THE FRAME NOW IN THE OPENING, AND THE BOTTOM SPRINGS IN PLACE, COMPRESS THE TOP SPRINGS AND PUSH THE VENT FRAME INTO THE OPENING
   COMPLETELY UNTIL THE FRAME IS FLUSH WITH THE WALL.
7. RE–CHECK THAT FRAME IS SQUARE AND SLOTS ARE CLEAR OF DEBRIS, AND CAULK.
8. INSTALL THE DOOR INTO FRAME BY GRASPING THE BOTTOM OF DOOR (WITH FLOAT PINS DOWN) AND FRONT (SMALL SCREEN IN FRONT). SLIDE DOOR INTO FRAME AND
   ROTATE UNTIL IT IS LATCHED.
9. TO OPEN THE DOOR INSERT TWO CREDIT CARDS INTO THE FLOAT SLOTS AS SHOWN IN THE DIAGRAM. THIS WILL UNLATCH THE DOOR FOR REMOVAL AND CLEANING.

DETAIL SPECIFICATIONS:
MATERIAL: STAINLESS STEEL
OPERATION: AUTOMATIC NON–POWERED ACTIVATION AND OPERATION

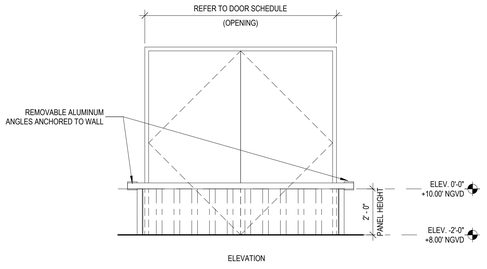
INSTALLATION:
SECURED W/ 4 STAINLESS STEEL INSTALLATION CLIPS INCLUDED AND AN ADHESIVE
HYDROSTATIC RELIEF: 200 SQ. FT PER VENT
REQUIREMENTS: MINIMUM OF 2 VENTS PER ENCLOSED AREA MOUNTED ON AT LEAST TWO DIFFERENT WALLS

COLORS: STAINLESS (STANDARD)
EXTERIOR POWDER COATED WHITE, WHEAT, GRAY, AND BLACK (AVAILABLE)

MEETS THE REQUIREMENTS FOR ENGINEERED OPENINGS AS SET FORTH BY:
FEMA, NFIP, ICC, & ASCE
SUPPORTIVE DOCUMENTS, TB 1–08, 44CFR 60.3(C)(5), ASCE 24–14
ICC EVALUATION # ESR–2074

SHEET 2 OF 2

BASIS OF DESIGN FLOOD VENT DETAIL



ELEVATION

1 DOUBLE DOOR FLOOD BARRIER
SCALE: 3/8" = 1'-0"

DESIGN ARCHITECT
Wannemacher Jensen Architects, Inc.
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St. Petersburg, Florida 33701-3214
(727) 822-5566 fax (727) 822-5475
www.wjarc.com
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Miami, Florida 33126
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AA002416 EB 002354

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MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564

This item has been digitally signed & sealed by Marcel R. Morlote, R.A. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33140

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Project Number
WJ 2312

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REV	DESCRIPTION	DATE
1	Plan Review	11/08/24

FLOODPLAIN DETAILS

NEW SHEET
A-132

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



1 LEVEL 1 RCP
1/8" = 1'-0"

NOTE:

THE SPACE ABOVE THE CEILING IS A RETURN AIR PLENUM. MATERIALS WIYHIN PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL BE LISTED AND LABALED AS HAVING A FLAME SPREAD INDES OFN NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723, PER FBCM-2020 SECTION 602.2.1

CEILING MATERIAL LEGEND

CL-1 — GYPSUM BOARD CEILING, PAINTED. SEE GENERAL NOTE 3 ON THIS SHEET.

CL-2 — MOISTURE RESISTANT GYPSUM BOARD CEILING, PAINTED. SEE GENERAL NOTE 3 ON THIS SHEET.

CL-3 — EXTERIOR RATED DENSGLASS SHEATING ON METAL LATH AND PAINTED STUCCO FINISH. EXTERIOR SOFFITS SHALL BE DESIGNED BY A FLORIDA REGISTERED DELEGATED ENGINEER. SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS TO THE ARCHITECT FOR REVIEW.

CL-4 — INTERIOR RATED DENSGLASS SHEATING ON METAL LATH AND PAINTED STUCCO FINISH.

CL-5 — 24"x24" SUSPENDED ACOUSTICAL CEILING TILE. ***(ACT-1 & FACT-1)*** SEE FINISH LEGEND ON SHEET ***(ID-100).***

CL-6 — 24"x24"x1-1/2" SUSPENDED ACOUSTICAL CEILING TILE ***(F ACT-2)*** SEE FINISH LEGEND ON SHEET ***(ID-100).***

CL-7 — 24"x48" & 6"x48" SUSPENDED ACOUSTICAL CEILING TILE. ***(ACT-3)*** SEE FINISH LEGEND ON SHEET ***(ID-100).***

CL-8 — BLANK DENOTES OPEN TO UNDERSIDE OF STRUCTURAL CONCRETE SLAB, PAINTED.

CL-9 — INSULATION AS SCHEDULED, REFER TO INSULATION SHEET A-131

CEILING FIXTURE LEGEND

- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST VENT
- 2X4 DIRECT / INDIRECT TROFFER
- 2X3 DIRECT / INDIRECT TROFFER
- FAN / LIGHT COMBO
- SMOKE DETECTOR - CEILING MOUNTED
- SPEAKER - CEILING MOUNTED
- HEAT DETECTOR - CEILING MOUNTED
- 2' x 4' LIGHT FIXTURE
- SCONCE FIXTURE
- COVE LIGHT
- SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE
- PENDANT LIGHT
- EMERGENCY RECESSED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- SPRINKLER HEAD
- EXIT SIGN
- 2' x 2' LIGHT FIXTURE
- 2' x 2' EMERGENCY LIGHT FIXTURE
- PENDANT CEILING LINEAR LIGHT FIXTURE
- EMERGENCY CEILING GRID MOUNTED LINEAR LIGHT FIXTURE
- ELEVATOR LIGHT

GENERAL NOTES - RCP

1. CEILING HEIGHTS ARE INDICATED FROM THE FINISH FLOOR ELEVATION TO THE FACE OF SUSPENDED CEILING SYSTEM OR FACE OF FINISH MATERIAL AS SCHEDULED
2. VERIFY LOCATIONS OF ALL LIGHT FIXTURES, AIR SLOTS, AIR SUPPLY AND RETURN GRILLES WITH PLANS AND COORDINATE INSTALLATION WITH MECHANICAL AND ELECTRICAL CONTRACTORS. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO INSTALLATION.
3. ALIGN EXIT SIGNS WITH THE CENTER OF DOORS UNLESS OTHERWISE NOTED, CENTER CEILING MOUNTED EXIT SIGNS IN CORRIDOR OR CEILING PANEL IN OPEN AREAS UNLESS OTHERWISE NOTED, SEE ELECTRICAL DRAWINGS FOR LOCATION.
4. AT ACOUSTICAL PANEL CEILINGS, LOCATE ELECTRICAL OR LIFE SAFETY FIXTURES AND DEVICES IN CENTER OF PANEL, UNLESS OTHERWISE NOTED.
5. PAINT ALL MECHANICAL SLOTS, GRILLES, OR ACCESS PANELS TO MATCH SURFACE ON WHICH THEY OCCUR, UNLESS OTHERWISE NOTED.
6. CONTRACTOR IS TO PROVIDE ALL MISCELLANEOUS MTL STUD FRAMING REQUIRED FOR SOFFITS AND BULKHEADS AS GRAPHICALLY DEPICTED ON THE REFLECTED CEILING PLAN, SECTIONS AND ELEVATIONS.
7. SUPPORT FINISH EDGES OF CEILING WITH EDGE ANGLES ATTACHED TO WALL.
8. PAINT ALL EXPOSED STEEL STRUCTURE AND ALL OTHER EXPOSED SURFACES THAT ARE NOT PREFINISHED OR INTEGRALLY COLORED EXCEPT IN CONCEALED SPACES INCLUDING MECHANICAL ROOMS, JANITOR CLOSETS, AND ELECTRICAL ROOMS.
9. PROVIDE CARE AND COORDINATION TO CONCEAL ALL CONDUIT, FIRE PROTECTION PIPING, AND PLUMBING
10. ALL LIGHTING IS DEPICTED TO INDICATE LOCATION ONLY. SEE ELECTRICAL FOR FIXTURE SPECIFICATIONS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
11. CONTROL JOINTS SHALL BE INSTALLED IN CEILING TO DELINEATE AREAS NO MORE THANK 110 SQ. FT.
12. PAINT ALL GYPSUM CEILINGS, REFERENCE FINISH LEGEND ON SHEET *(ID-100).*
13. COORDINATE ALL CEILING FIXTURES SHOWN ON REFLECTED CEILING PLAN WITH MECHANICAL, ELECTRICAL AND FIRE PROTECTION DRAWINGS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION BEFORE PROCEEDING WITH THE WORK.
14. FOR FIXTURE AND/OR DEVICE TYPE AND SPECIFICATIONS, SEE MECHANICAL, ELECTRICAL, AND FIRE PROTECTION DRAWINGS.
15. LIGHTS NOT DIMENSIONED SHALL BE CENTERED WITH ROOM.
16. SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF THE TILE OR IN CL W/ LIGHT FIXTURES IN GYP. BD. INSTALLATIONS. REFER TO FIRE PROTECTION DRAWINGS.
17. REFER TO FLOOR PLANS FOR ROOM NAMES & ROOM NUMBERS.
18. CEILING GRID SHALL BE CENTERED IN ROOM UNLESS OTHERWISE NOTED OR ILLUSTRATED.
19. FOR SUSPENDED FIXTURES SEE ELECTRICAL DRAWINGS FOR MOUNTING HEIGHT.
20. **PROVIDE ACCCESS PANEL IN ALL HARD CEILINGS (GYPSUM BOARD OR DENSGLASS) FOR MECHANICAL (VAV'S), PLUMBING AND FIRE PROTECTION VALVES LOCATIONS, COORDINATE LOCATION AND SIZE WITH THE ARCHITECT.**

4
REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:
1. PLAN REVISION

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MARCEL R. MORLOTE
STATE OF FLORIDA
REGISTERED ARCHITECT 9564

MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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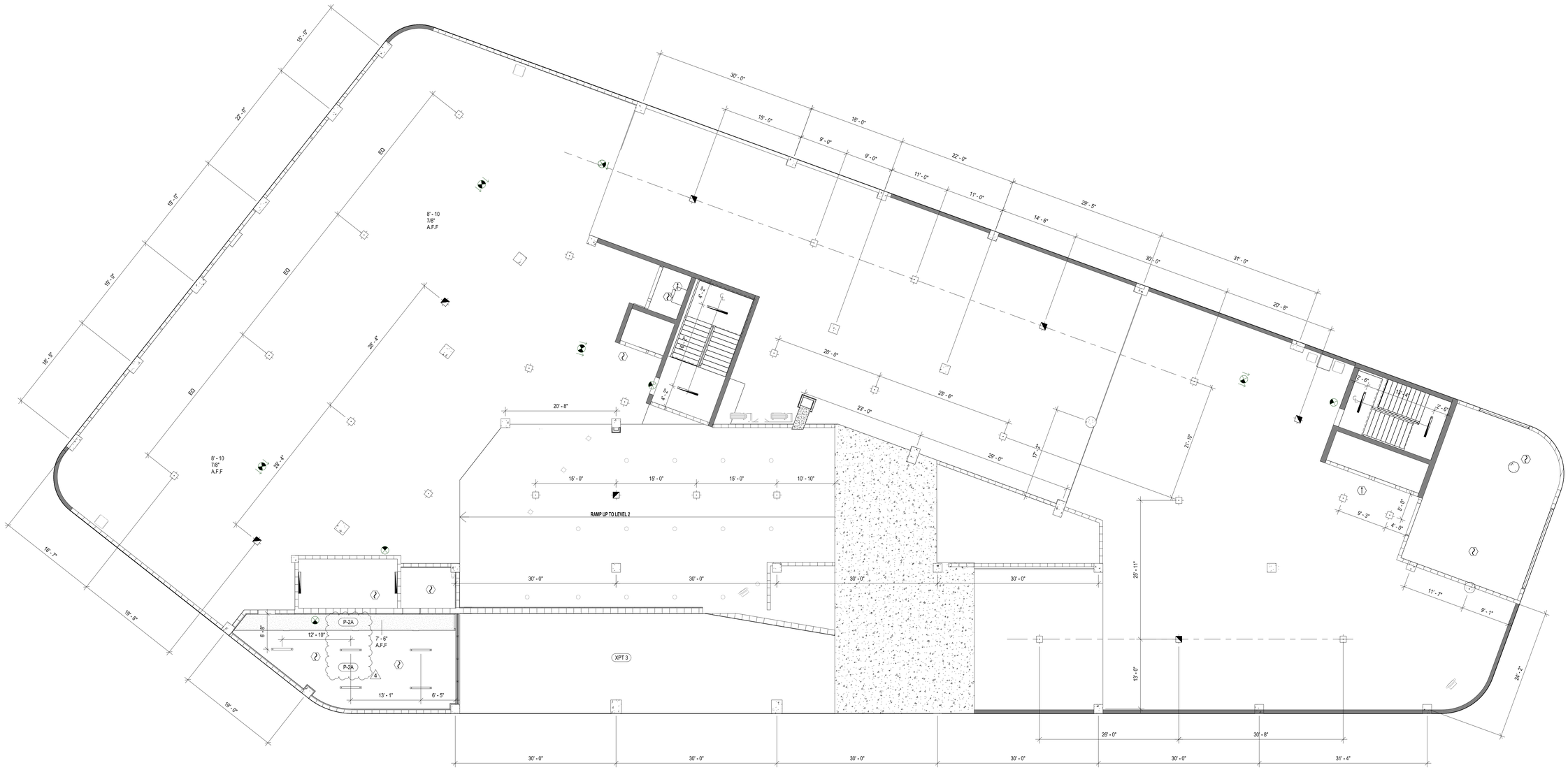
Project Number
WJ 2312

DISTRIBUTION
12/11/2024

REV	DESCRIPTION	DATE
2	Plan Review	12/20/24
4	Plan Review	06/30/25

LEVEL 1 - RCP

A-201



1 LEVEL 2 RCP
1/8" = 1'-0"

CEILING MATERIAL LEGEND

- CL-1: GYPSUM BOARD CEILING, PAINTED. SEE GENERAL NOTE 3 ON THIS SHEET.
- CL-2: MOISTURE RESISTANT GYPSUM BOARD CEILING, PAINTED. SEE GENERAL NOTE 3 ON THIS SHEET.
- CL-3: EXTERIOR RATED DENSGLASS SHEATING ON METAL LATH AND PAINTED STUCCO FINISH. EXTERIOR SOFFITS SHALL BE DESIGNED BY A FLORIDA REGISTERED DELEGATED ENGINEER. SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS TO THE ARCHITECT FOR REVIEW.
- CL-4: INTERIOR RATED DENSGLASS SHEATING ON METAL LATH AND PAINTED STUCCO FINISH.
- CL-5: 24"x24" SUSPENDED ACOUSTICAL CEILING TILE. ***(ACT-1 & F.ACT-1)*** SEE FINISH LEGEND ON SHEET ***(ID-100)***.
- CL-6: 24"x24"x1-1/2" SUSPENDED ACOUSTICAL CEILING TILE. ***(F ACT-2)*** SEE FINISH LEGEND ON SHEET ***(ID-100)***.
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- CL-8: BLANK DENOTES OPEN TO UNDERSIDE OF STRUCTURAL CONCRETE SLAB, PAINTED.
- CL-9: INSULATION AS SCHEDULED, REFER TO INSULATION SHEET A-131

CEILING FIXTURE LEGEND

- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST VENT
- 2X4 DIRECT / INDIRECT TROFFER
- 2X2 DIRECT / INDIRECT TROFFER
- FAN / LIGHT COMBO
- SMOKE DETECTOR - CEILING MOUNTED
- SPEAKER - CEILING MOUNTED
- HEAT DETECTOR - CEILING MOUNTED
- 2' x 4' LIGHT FIXTURE
- SCONCE FIXTURE
- COVE LIGHT
- SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE
- PENDANT LIGHT
- EMERGENCY RECESSED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- SPRINKLER HEAD
- EXIT SIGN
- 2' x 2' LIGHT FIXTURE
- 2' x 2' EMERGENCY LIGHT FIXTURE
- PENDANT CEILING LINEAR LIGHT FIXTURE
- EMERGENCY CEILING GRID MOUNTED LINEAR LIGHT FIXTURE
- ELEVATOR LIGHT

GENERAL NOTES - RCP

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2. VERIFY LOCATIONS OF ALL LIGHT FIXTURES, AIR SLOTS, AIR SUPPLY AND RETURN GRILLES WITH PLANS AND COORDINATE INSTALLATION WITH MECHANICAL AND ELECTRICAL CONTRACTORS. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO INSTALLATION.
3. ALIGN EXIT SIGNS WITH THE CENTER OF DOORS UNLESS OTHERWISE NOTED. CENTER CEILING MOUNTED EXIT SIGNS IN CORRIDOR OR CEILING PANEL IN OPEN AREAS UNLESS OTHERWISE NOTED, SEE ELECTRICAL DRAWINGS FOR LOCATION.
4. AT ACOUSTICAL PANEL CEILINGS, LOCATE ELECTRICAL OR LIFE SAFETY FIXTURES AND DEVICES IN CENTER OF PANEL, UNLESS OTHERWISE NOTED.
5. PAINT ALL MECHANICAL SLOTS, GRILLES, OR ACCESS PANELS TO MATCH SURFACE ON WHICH THEY OCCUR, UNLESS OTHERWISE NOTED.
6. CONTRACTOR IS TO PROVIDE ALL MISCELLANEOUS MTL STUD FRAMING REQUIRED FOR SOFFITS AND BULKHEADS AS GRAPHICALLY DEPICTED ON THE REFLECTED CEILING PLAN, SECTIONS AND ELEVATIONS.
7. SUPPORT FINISH EDGES OF CEILING WITH EDGE ANGLES ATTACHED TO WALL.
8. PAINT ALL EXPOSED STEEL STRUCTURE AND ALL OTHER EXPOSED SURFACES THAT ARE NOT PREFINISHED OR INTEGRALLY COLORED EXCEPT IN CONCEALED SPACES INCLUDING MECHANICAL ROOMS, JANITOR CLOSETS, AND ELECTRICAL ROOMS.
9. PROVIDE CARE AND COORDINATION TO CONCEAL ALL CONDUIT, FIRE PROTECTION PIPING, AND PLUMBING
10. ALL LIGHTING IS DEPICTED TO INDICATE LOCATION ONLY, SEE ELECTRICAL FOR FIXTURE SPECIFICATIONS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
11. CONTROL JOINTS SHALL BE INSTALLED IN CEILING TO DELINEATE AREAS NO MORE THANK 110 SQ. FT.
12. PAINT ALL GYPSUM CEILINGS, REFERENCE FINISH LEGEND ON SHEET *(ID-100)*.
13. COORDINATE ALL CEILING FIXTURES SHOWN ON REFLECTED CEILING PLAN WITH MECHANICAL, ELECTRICAL AND FIRE PROTECTION DRAWINGS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION BEFORE PROCEEDING WITH THE WORK.
14. FOR FIXTURE AND/OR DEVICE TYPE AND SPECIFICATIONS, SEE MECHANICAL, ELECTRICAL, AND FIRE PROTECTION DRAWINGS.
15. LIGHTS NOT DIMENSIONED SHALL BE CENTERED WITH ROOM.
16. SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF THE TILE OR IN CL W/ LIGHT FIXTURES IN GYP. BD. INSTALLATIONS, REFER TO FIRE PROTECTION DRAWINGS.
17. REFER TO FLOOR PLANS FOR ROOM NAMES & ROOM NUMBERS.
18. CEILING GRID SHALL BE CENTERED IN ROOM UNLESS OTHERWISE NOTED OR ILLUSTRATED.
19. FOR SUSPENDED FIXTURES SEE ELECTRICAL DRAWINGS FOR MOUNTING HEIGHT.

20. PROVIDE ACCCESS PANEL IN ALL HARD CEILINGS (GYPSUM BOARD OR DENSGLASS) FOR MECHANICAL (VAV'S) PLUMBING AND FIRE PROTECTION VALVES LOCATIONS. COORDINATE LOCATION AND SIZE WITH THE ARCHITECT.

4
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REV	DESCRIPTION	DATE
4	Plan Review	06/30/25

LEVEL 2 - RCP

A-202



1 LEVEL 3 RCP
1/8" = 1'-0"

CEILING MATERIAL LEGEND

- CL-1 — GYPSUM BOARD CEILING, PAINTED. SEE GENERAL NOTE 3 ON THIS SHEET.
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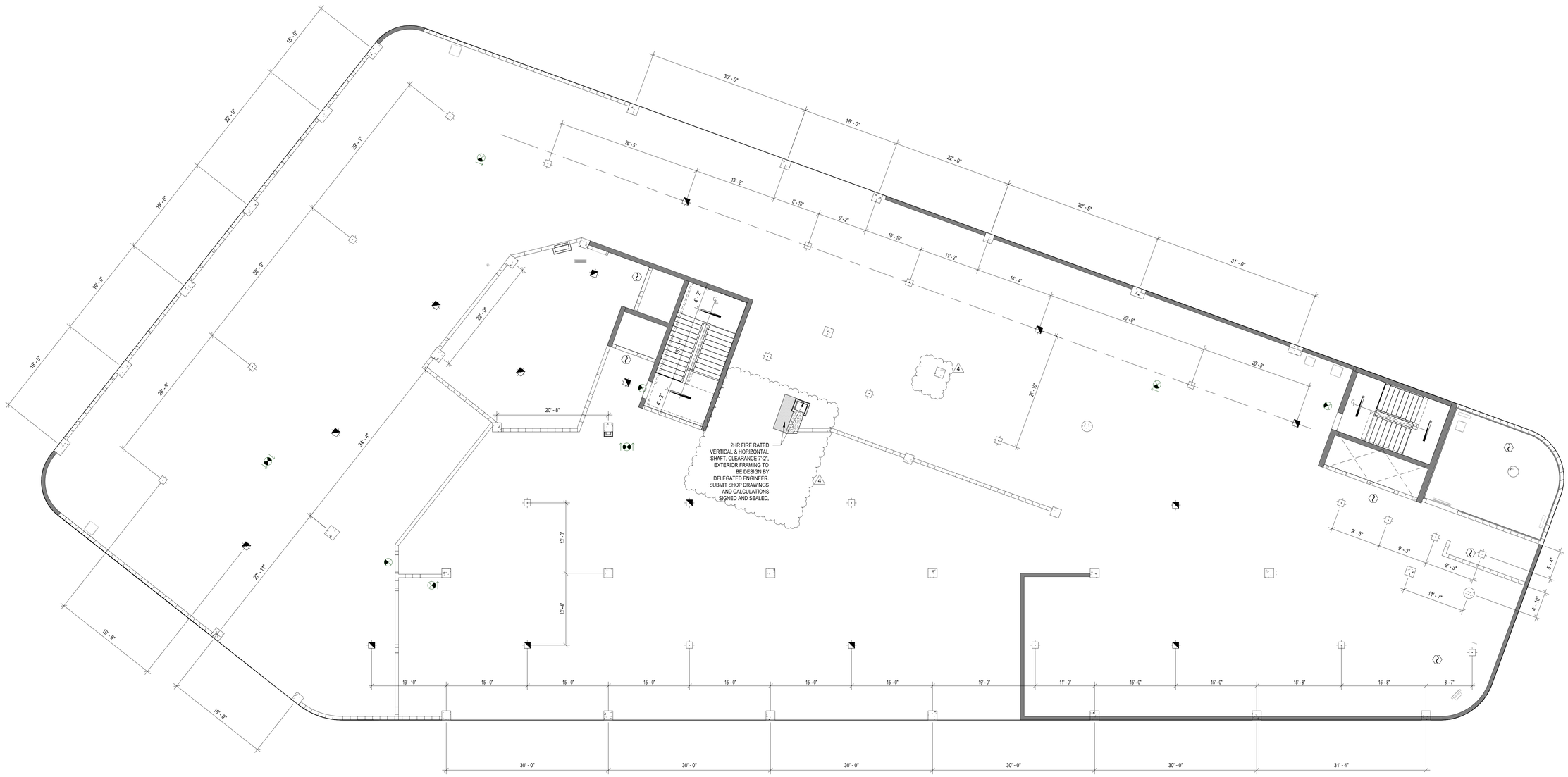
REV	DESCRIPTION	DATE

LEVEL 3 - RCP

A-203



1 LEVEL 4 REFLECTED CEILING PLAN

1/8" = 1'-0"

CEILING MATERIAL LEGEND

- CL-1 — GYPSUM BOARD CEILING, PAINTED. SEE GENERAL NOTE 3 ON THIS SHEET.
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

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Project Number
WJ 2312

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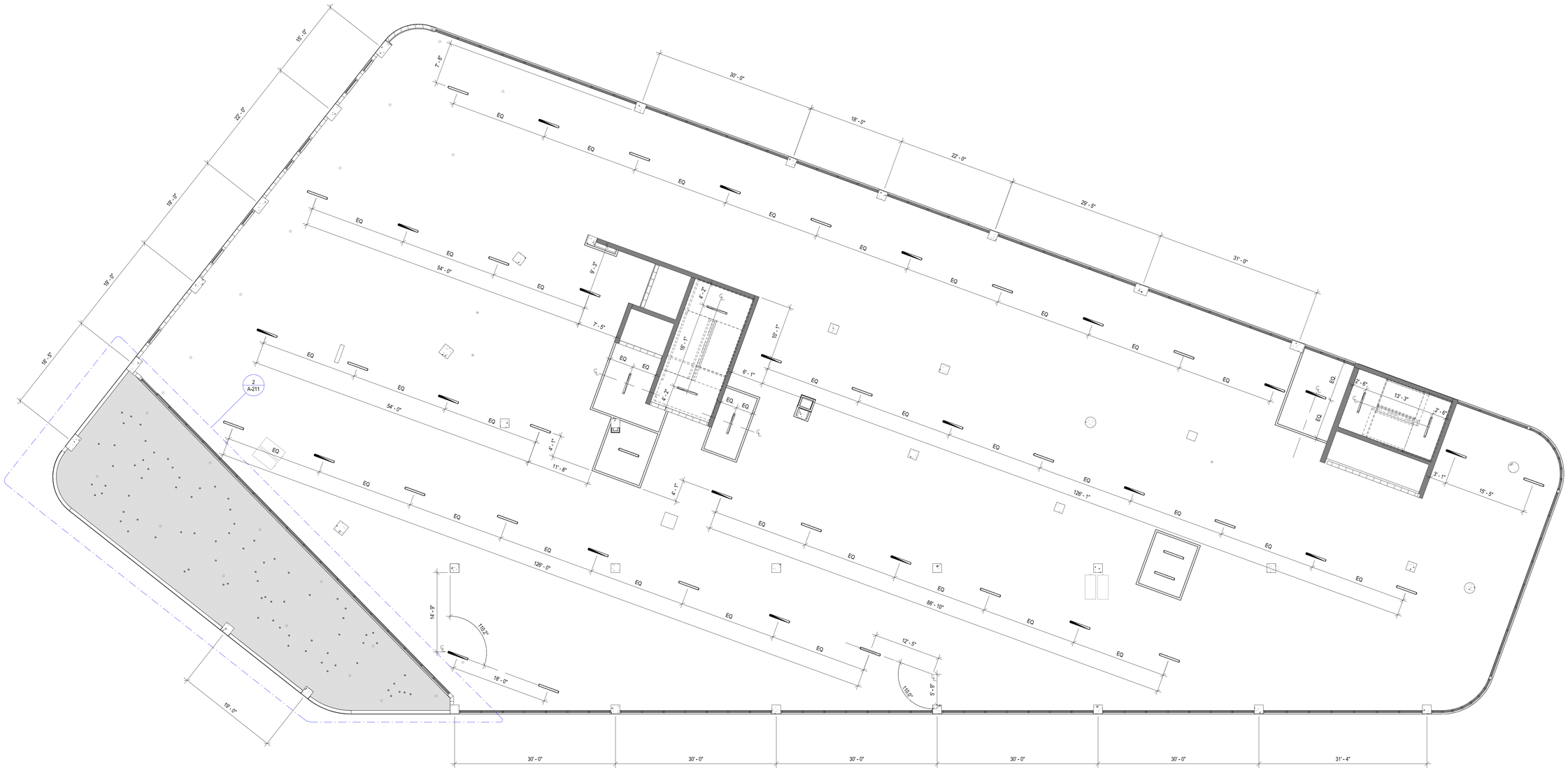
REV	DESCRIPTION	DATE
4	Plan Review	06/30/25

LEVEL 4 - RCP

A-204



1 LEVEL 5 REFLECTED CEILING PLAN
1/8" = 1'-0"

CEILING MATERIAL LEGEND

- CL-1 — GYPSUM BOARD CEILING, PAINTED. SEE GENERAL NOTE 3 ON THIS SHEET.
- CL-2 — MOISTURE RESISTANT GYPSUM BOARD CEILING, PAINTED, SEE GENERAL NOTE 3 ON THIS SHEET.
- CL-3 — EXTERIOR RATED DENSGLASS SHEATING ON METAL LATH AND PAINTED STUCCO FINISH. EXTERIOR SOFFITS SHALL BE DESIGNED BY A FLORIDA REGISTERED DELEGATED ENGINEER. SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS TO THE ARCHITECT FOR REVIEW.
- CL-4 — INTERIOR RATED DENSGLASS SHEATING ON METAL LATH AND PAINTED STUCCO FINISH.
- CL-5 — 24"x24" SUSPENDED ACOUSTICAL CEILING TILE. ***(ACT-1 & F ACT-1)*** SEE FINISH LEGEND ON SHEET ***(ID-100)***.
- CL-6 — 24"x24"x1-1/2" SUSPENDED ACOUSTICAL CEILING TILE. ***(F ACT-2)*** SEE FINISH LEGEND ON SHEET ***(ID-100)***.
- CL-7 — 24"x48" & 6"x48" SUSPENDED ACOUSTICAL CEILING TILE. ***(ACT-2)*** SEE FINISH LEGEND ON SHEET ***(ID-100)***.
- CL-8 — BLANK DENOTES OPEN TO UNDERSIDE OF STRUCTURAL CONCRETE SLAB, PAINTED.
- CL-9 — INSULATION AS SCHEDULED, REFER TO INSULATION SHEET A-131

CEILING FIXTURE LEGEND

- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST VENT
- 2X4 DIRECT / INDIRECT TROFFER
- 2X2 DIRECT / INDIRECT TROFFER
- FAN / LIGHT COMBO
- SMOKE DETECTOR - CEILING MOUNTED
- SPEAKER - CEILING MOUNTED
- HEAT DETECTOR - CEILING MOUNTED
- 2' x 4' LIGHT FIXTURE
- SCONCE FIXTURE
- COVE LIGHT
- SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE
- PENDANT LIGHT
- EMERGENCY RECESSED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- SPRINKLER HEAD
- EXIT SIGN
- 2' x 2' LIGHT FIXTURE
- 2' x 2' EMERGENCY LIGHT FIXTURE
- PENDANT CEILING LINEAR LIGHT FIXTURE
- EMERGENCY CEILING GRID MOUNTED LINEAR LIGHT FIXTURE
- ELEVATOR LIGHT

GENERAL NOTES - RCP

1. CEILING HEIGHTS ARE INDICATED FROM THE FINISH FLOOR ELEVATION TO THE FACE OF SUSPENDED CEILING SYSTEM OR FACE OF FINISH MATERIAL AS SCHEDULED
2. VERIFY LOCATIONS OF ALL LIGHT FIXTURES, AIR SLOTS, AIR SUPPLY AND RETURN GRILLES WITH PLANS AND COORDINATE INSTALLATION WITH MECHANICAL AND ELECTRICAL CONTRACTORS. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO INSTALLATION.
3. ALIGN EXIT SIGNS WITH THE CENTER OF DOORS UNLESS OTHERWISE NOTED. CENTER CEILING MOUNTED EXIT SIGNS IN CORRIDOR OR CEILING PANEL IN OPEN AREAS UNLESS OTHERWISE NOTED. SEE ELECTRICAL DRAWINGS FOR LOCATION.
4. AT ACOUSTICAL PANEL CEILINGS, LOCATE ELECTRICAL OR LIFE SAFETY FIXTURES AND DEVICES IN CENTER OF PANEL, UNLESS OTHERWISE NOTED.
5. PAINT ALL MECHANICAL SLOTS, GRILLES, OR ACCESS PANELS TO MATCH SURFACE ON WHICH THEY OCCUR, UNLESS OTHERWISE NOTED.
6. CONTRACTOR IS TO PROVIDE ALL MISCELLANEOUS MTL STUD FRAMING REQUIRED FOR SOFFITS AND BULKHEADS AS GRAPHICALLY DEPICTED ON THE REFLECTED CEILING PLAN, SECTIONS AND ELEVATIONS.
7. SUPPORT FINISH EDGES OF CEILING WITH EDGE ANGLES ATTACHED TO WALL.
8. PAINT ALL EXPOSED STEEL STRUCTURE AND ALL OTHER EXPOSED SURFACES THAT ARE NOT PREFINISHED OR INTEGRALLY COLORED EXCEPT IN CONCEALED SPACES INCLUDING MECHANICAL ROOMS, JANITOR CLOSETS, AND ELECTRICAL ROOMS.
9. PROVIDE CARE AND COORDINATION TO CONCEAL ALL CONDUIT, FIRE PROTECTION PIPING, AND PLUMBING
10. ALL LIGHTING IS DEPICTED TO INDICATE LOCATION ONLY, SEE ELECTRICAL FOR FIXTURE SPECIFICATIONS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
11. CONTROL JOINTS SHALL BE INSTALLED IN CEILING TO DELINEATE AREAS NO MORE THANK 110 SQ. FT.
12. PAINT ALL GYPSUM CEILINGS, REFERENCE FINISH LEGEND ON SHEET *(ID-100)*.
13. COORDINATE ALL CEILING FIXTURES SHOWN ON REFLECTED CEILING PLAN WITH MECHANICAL, ELECTRICAL AND FIRE PROTECTION DRAWINGS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION BEFORE PROCEEDING WITH THE WORK.
14. FOR FIXTURE AND/OR DEVICE TYPE AND SPECIFICATIONS, SEE MECHANICAL, ELECTRICAL, AND FIRE PROTECTION DRAWINGS.
15. LIGHTS NOT DIMENSIONED SHALL BE CENTERED WITH ROOM.
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17. REFER TO FLOOR PLANS FOR ROOM NAMES & ROOM NUMBERS.
18. CEILING GRID SHALL BE CENTERED IN ROOM UNLESS OTHERWISE NOTED OR ILLUSTRATED.
19. FOR SUSPENDED FIXTURES SEE ELECTRICAL DRAWINGS FOR MOUNTING HEIGHT.

20. PROVIDE ACCCESS PANEL IN ALL HARD CEILINGS (GYPSUM BOARD OR DENSGLASS) FOR MECHANICAL (VAV'S) PLUMBING AND FIRE PROTECTION VALVES LOCATIONS. COORDINATE LOCATION AND SIZE WITH THE ARCHITECT.

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Project Number
WJ 2312

DISTRIBUTION
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REV	DESCRIPTION	DATE
4	Plan Review	06/30/25

LEVEL 5 - RCP
NEW SHEET
4
A-205



1 LEVEL 6 REFLECTED CEILING PLAN
1/8" = 1'-0"

SPECIFIC KEYNOTES - INTERIOR

NUMBER	DESCRIPTION
A204	SPRINKER SYSTEM; FIRE PROTECTION DELEGATED DESIGN

NOTE:

THE SPACE ABOVE THE CEILING IS A RETURN AIR PLENUM. MATERIALS WIYHIN PLENUMS SHALL BE NON-COMBUSTIBLE OR SHALL BE LISTED AND LABALED AS HAVING A FLAME SPREAD INDES OFN NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723, PER FBC/M-2020 SECTION 602.2.1

CEILING MATERIAL LEGEND

- CL-1: GYPSUM BOARD CEILING, PAINTED. SEE GENERAL NOTE 3 ON THIS SHEET.
- CL-2: MOISTURE RESISTANT GYPSUM BOARD CEILING, PAINTED. SEE GENERAL NOTE 3 ON THIS SHEET.
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- RETURN DIFFUSER
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4

REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:

1. SHIFTING THE ORIGINAL LEVEL UPWARD ACCORDINGLY TO THE NEW LEVEL ADDED
2. PLAN REVISION

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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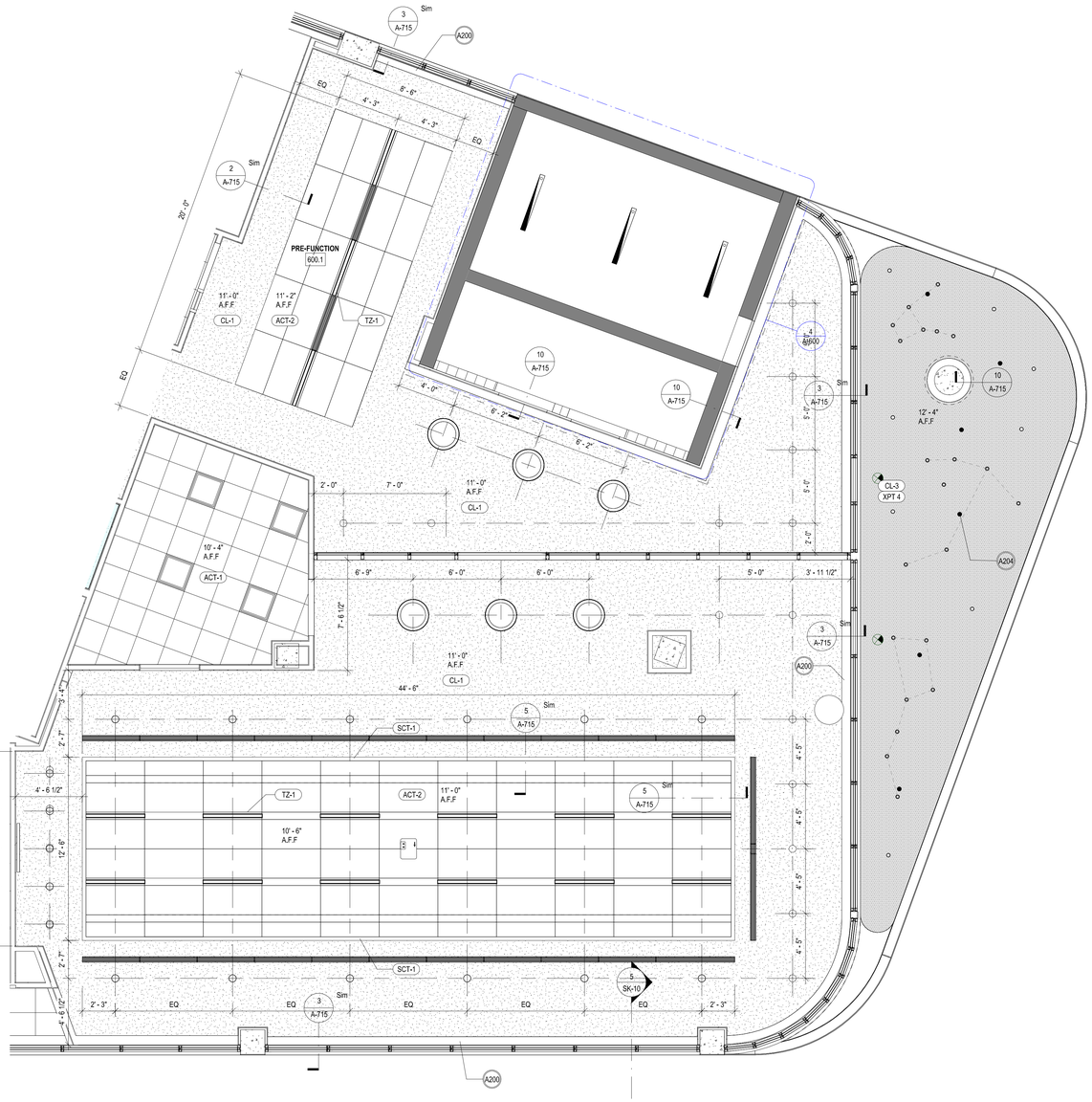
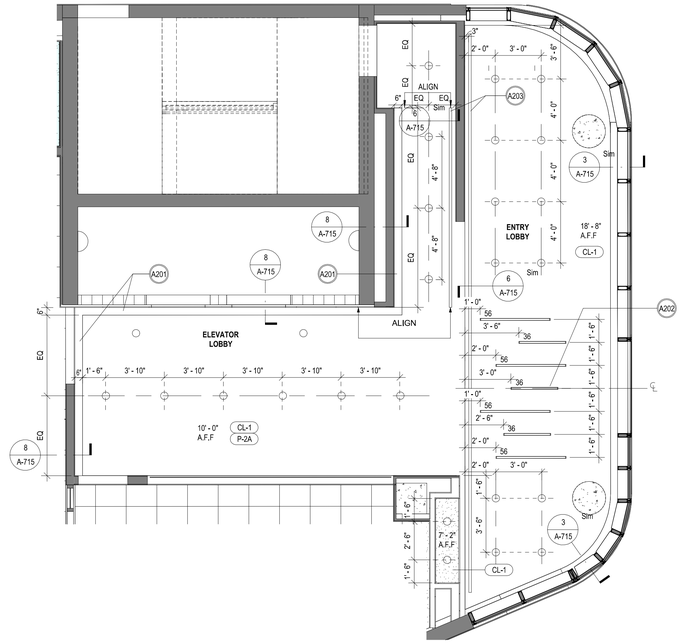
4	Plan Review	06/30/25

LEVEL 6 - RCP

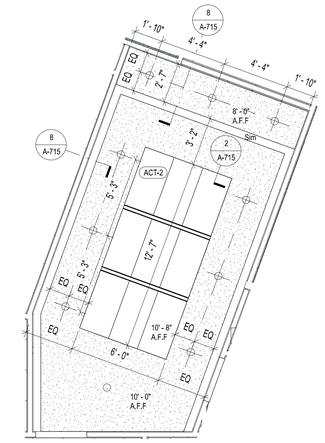
A-206



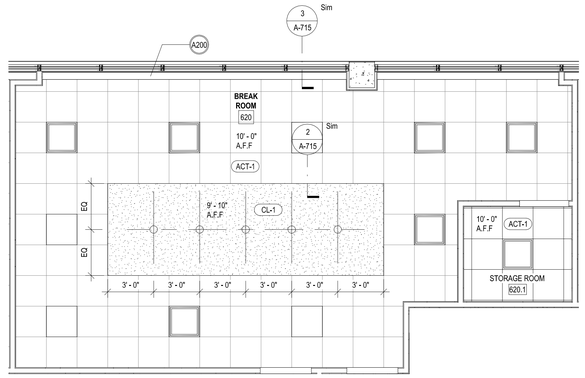
1 LOBBY, CHAMBERS & PRE-FUNCTION - ENLARGED RCP
1/4" = 1'-0"



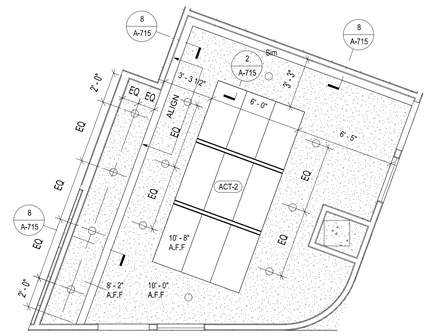
2 ENTRY / ELEVATOR LOBBY 100/100.1 - ENLARGED RCP
1/4" = 1'-0"



4 POLICE DEPT. CONFERENCE ROOM #PD515
1/4" = 1'-0"



3 BREAKROOM 602 - ENLARGED RCP
1/4" = 1'-0"



5 VILLAGE HALL CONFERENCE ROOM #537
1/4" = 1'-0"

SPECIFIC KEYNOTES - INTERIOR

NUMBER	DESCRIPTION
A200	SHADE POCKET, SEE FINISH LEGEND RS-1
A201	SHADOW COVE DETAIL. SEE DETAIL SHEET A-715
A202	SUSPENDED LINEAR PENDANT; SEE SCHEDULE 'A' FOR SIZE. PENDANT GROUPING TO BE POSITIONED O.C. W/ ENTRANCE DOOR.
A203	TRIMLESS RECESSED CEILING SLOT SYSTEM, 1.5" APERTURE
A204	SPRINKER SYSTEM; FIRE PROTECTION DELEGATED DESIGN

SCHEDULE 'A' LIGHT FIXTURE

TAG	BASIS OF DESIGN	COMMENT
36	SUSPENDED LINEAR PENDANT WITH INTEGRAL LED; 36" WIDE X 2" APERTURE	SEE ELEC. DWGS FOR SPECS
56	SUSPENDED LINEAR PENDANT WITH INTEGRAL LED; 56" WIDE X 2" APERTURE	SEE ELEC. DWGS FOR SPECS

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1. CEILING HEIGHTS ARE INDICATED FROM THE FINISH FLOOR ELEVATION TO THE FACE OF SUSPENDED CEILING SYSTEM OR FACE OF FINISH MATERIAL AS SCHEDULED
2. VERIFY LOCATIONS OF ALL LIGHT FIXTURES, AIR SLOTS, AIR SUPPLY AND RETURN GRILLES WITH PLANS AND COORDINATE INSTALLATION WITH MECHANICAL AND ELECTRICAL CONTRACTORS. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO INSTALLATION.
3. ALIGN EXIT SIGNS WITH THE CENTER OF DOORS UNLESS OTHERWISE NOTED. CENTER CEILING MOUNTED EXIT SIGNS IN CORRIDOR OR CEILING PANEL IN OPEN AREAS UNLESS OTHERWISE NOTED, SEE ELECTRICAL DRAWINGS FOR LOCATION.
4. AT ACOUSTICAL PANEL CEILINGS, LOCATE ELECTRICAL OR LIFE SAFETY FIXTURES AND DEVICES IN CENTER OF PANEL, UNLESS OTHERWISE NOTED.
5. PAINT ALL MECHANICAL SLOTS, GRILLES, OR ACCESS PANELS TO MATCH SURFACE ON WHICH THEY OCCUR, UNLESS OTHERWISE NOTED.
6. CONTRACTOR IS TO PROVIDE ALL MISCELLANEOUS MTL STUD FRAMING REQUIRED FOR SOFFITS AND BULKHEADS AS GRAPHICALLY DEPICTED ON THE REFLECTED CEILING PLAN, SECTIONS AND ELEVATIONS.
7. SUPPORT FINISH EDGES OF CEILING WITH EDGE ANGLES ATTACHED TO WALL.
8. PAINT ALL EXPOSED STEEL STRUCTURE AND ALL OTHER EXPOSED SURFACES THAT ARE NOT PREFINISHED OR INTEGRALLY COLORED EXCEPT IN CONCEALED SPACES INCLUDING MECHANICAL ROOMS, JANITOR CLOSETS, AND ELECTRICAL ROOMS.
9. PROVIDE CARE AND COORDINATION TO CONCEAL ALL CONDUIT, FIRE PROTECTION PIPING, AND PLUMBING
10. ALL LIGHTING IS DEPICTED TO INDICATE LOCATION ONLY, SEE ELECTRICAL FOR FIXTURE SPECIFICATIONS, NOTIFY ARCHITECT OF ANY DISCREPANCIES.
11. CONTROL JOINTS SHALL BE INSTALLED IN CEILING TO DELINEATE AREAS NO MORE THANK 110 SQ. FT.
12. PAINT ALL GYPSUM CEILINGS, REFERENCE FINISH LEGEND ON SHEET (ID-100).
13. COORDINATE ALL CEILING FIXTURES SHOWN ON REFLECTED CEILING PLAN WITH MECHANICAL, ELECTRICAL AND FIRE PROTECTION DRAWINGS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE ARCHITECT'S ATTENTION BEFORE PROCEEDING WITH THE WORK.
14. FOR FIXTURE AND/OR DEVICE TYPE AND SPECIFICATIONS, SEE MECHANICAL, ELECTRICAL, AND FIRE PROTECTION DRAWINGS.
15. LIGHTS NOT DIMENSIONED SHALL BE CENTERED WITH ROOM.
16. SPRINKLER HEADS SHALL BE LOCATED IN THE CENTER OF THE TILE OR IN CL W/ LIGHT FIXTURES IN GYP, BD. INSTALLATIONS, REFER TO FIRE PROTECTION DRAWINGS.
17. REFER TO FLOOR PLANS FOR ROOM NAMES & ROOM NUMBERS.
18. CEILING GRID SHALL BE CENTERED IN ROOM UNLESS OTHERWISE NOTED OR ILLUSTRATED.
19. FOR SUSPENDED FIXTURES SEE ELECTRICAL DRAWINGS FOR MOUNTING HEIGHT.
20. **PROVIDE ACCCESS PANEL IN ALL HARD CEILINGS (GYPSUM BOARD OR DENSGLASS) FOR MECHANICAL (VAV'S) PLUMBING AND FIRE PROTECTION VALVES LOCATIONS. COORDINATE LOCATION AND SIZE WITH THE ARCHITECT.**

REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:
1. PLAN REVISION
4

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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MARCEL R. MORLOTE
REGISTERED ARCHITECT
STATE OF FLORIDA

MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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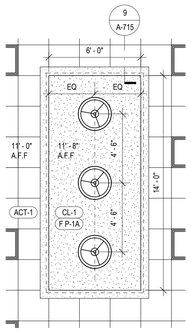
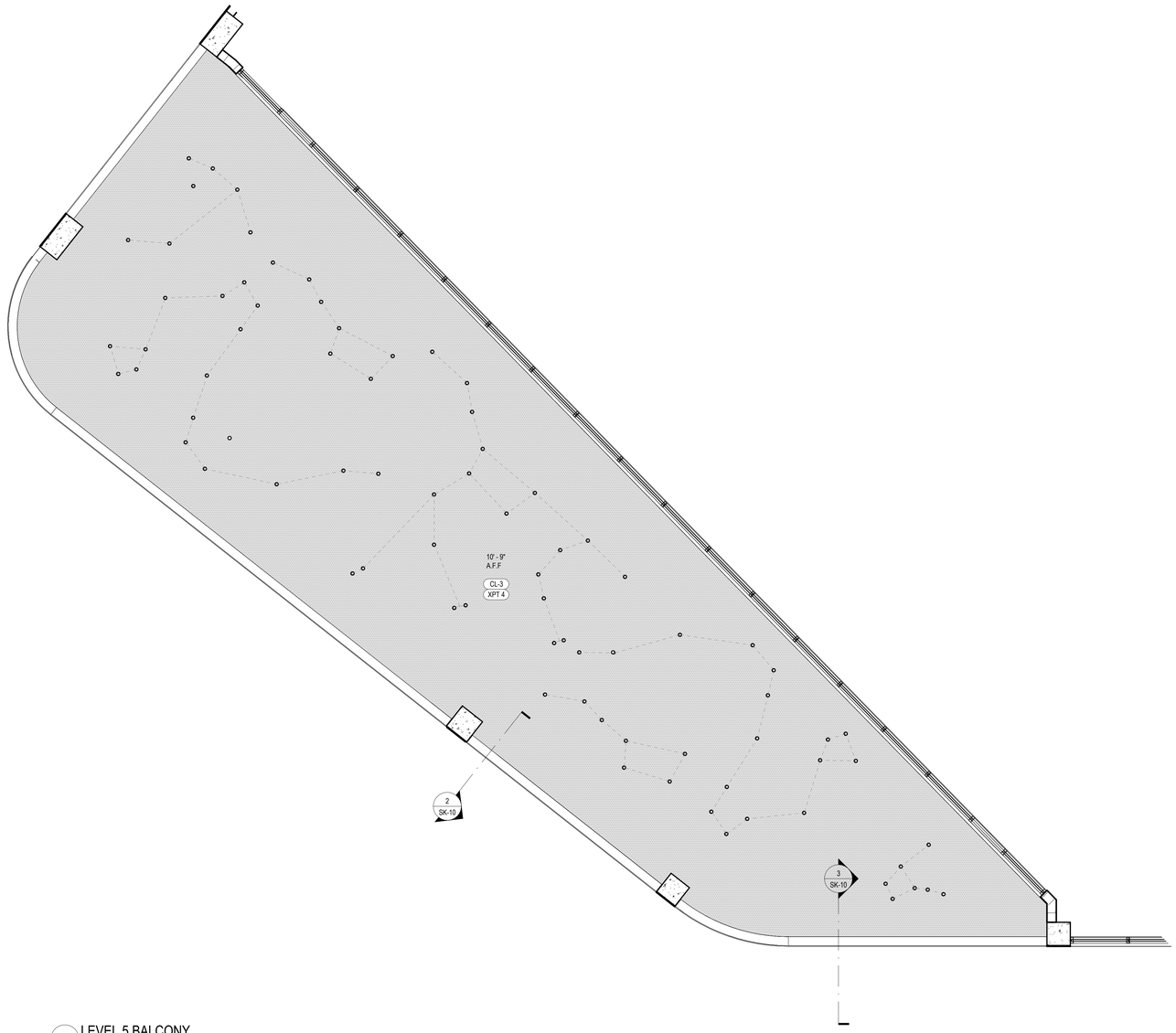
REV	DESCRIPTION	DATE
4	Plan Review	06/30/25

ENLARGED RCP

A-210



1 FIRST FLOOR DINING ROOM #FS103.2
1/4" = 1'-0"



2 LEVEL 5 BALCONY
1/4" = 1'-0"

SPECIFIC KEYNOTES - INTERIOR

NUMBER	DESCRIPTION

CEILING MATERIAL LEGEND

CL-1 — GYPSUM BOARD CEILING, PAINTED. SEE GENERAL NOTE 3 ON THIS SHEET.

CL-2 — MOISTURE RESISTANT GYPSUM BOARD CEILING, PAINTED. SEE GENERAL NOTE 3 ON THIS SHEET.

CL-3 — EXTERIOR RATED DENSGLASS SHEATING ON METAL LATH AND PAINTED STUCCO FINISH. EXTERIOR SOFFITS SHALL BE DESIGNED BY A FLORIDA REGISTERED DELEGATED ENGINEER. SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS TO THE ARCHITECT FOR REVIEW.

CL-4 — INTERIOR RATED DENSGLASS SHEATING ON METAL LATH AND PAINTED STUCCO FINISH.

CL-5 — 24"x24" SUSPENDED ACOUSTICAL CEILING TILE. ***(ACT-1 & F ACT-1)*** SEE FINISH LEGEND ON SHEET ***(ID-100)***.

CL-6 — 24"x24"x1-1/2" SUSPENDED ACOUSTICAL CEILING TILE. ***(F ACT-2)*** SEE FINISH LEGEND ON SHEET ***(ID-100)***.

CL-7 — 24"x48" & 6"x48" SUSPENDED ACOUSTICAL CEILING TILE. ***(ACT-2)*** SEE FINISH LEGEND ON SHEET ***(ID-100)***.

CL-8 — BLANK DENOTES OPEN TO UNDERSIDE OF STRUCTURAL CONCRETE SLAB, PAINTED.

CL-9 — INSULATION AS SCHEDULED, REFER TO INSULATION SHEET A-131

CEILING FIXTURE LEGEND

- SUPPLY DIFFUSER
- RETURN DIFFUSER
- EXHAUST VENT
- 2X4 DIRECT / INDIRECT TROFFER
- 2X2 DIRECT / INDIRECT TROFFER
- FAN / LIGHT COMBO
- SMOKE DETECTOR - CEILING MOUNTED
- SPEAKER - CEILING MOUNTED
- HEAT DETECTOR - CEILING MOUNTED
- 2' x 4' LIGHT FIXTURE
- SCONCE FIXTURE
- COVE LIGHT
- SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE
- PENDANT LIGHT
- EMERGENCY RECESSED LIGHT FIXTURE
- RECESSED LIGHT FIXTURE
- SPRINKLER HEAD
- EXIT SIGN
- 2' x 2' LIGHT FIXTURE
- 2' x 2' EMERGENCY LIGHT FIXTURE
- PENDANT CEILING LINEAR LIGHT FIXTURE
- EMERGENCY CEILING GRID MOUNTED LINEAR LIGHT FIXTURE
- ELEVATOR LIGHT

GENERAL NOTES - RCP

1. CEILING HEIGHTS ARE INDICATED FROM THE FINISH FLOOR ELEVATION TO THE FACE OF SUSPENDED CEILING SYSTEM OR FACE OF FINISH MATERIAL AS SCHEDULED
2. VERIFY LOCATIONS OF ALL LIGHT FIXTURES, AIR SLOTS, AIR SUPPLY AND RETURN GRILLES WITH PLANS AND COORDINATE INSTALLATION WITH MECHANICAL AND ELECTRICAL CONTRACTORS. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO INSTALLATION.
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STATE OF FLORIDA
REGISTERED ARCHITECT
MARCEL R. MORLOTE
LICENSE NUMBER 9564

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FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

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Project Number
WJ 2312

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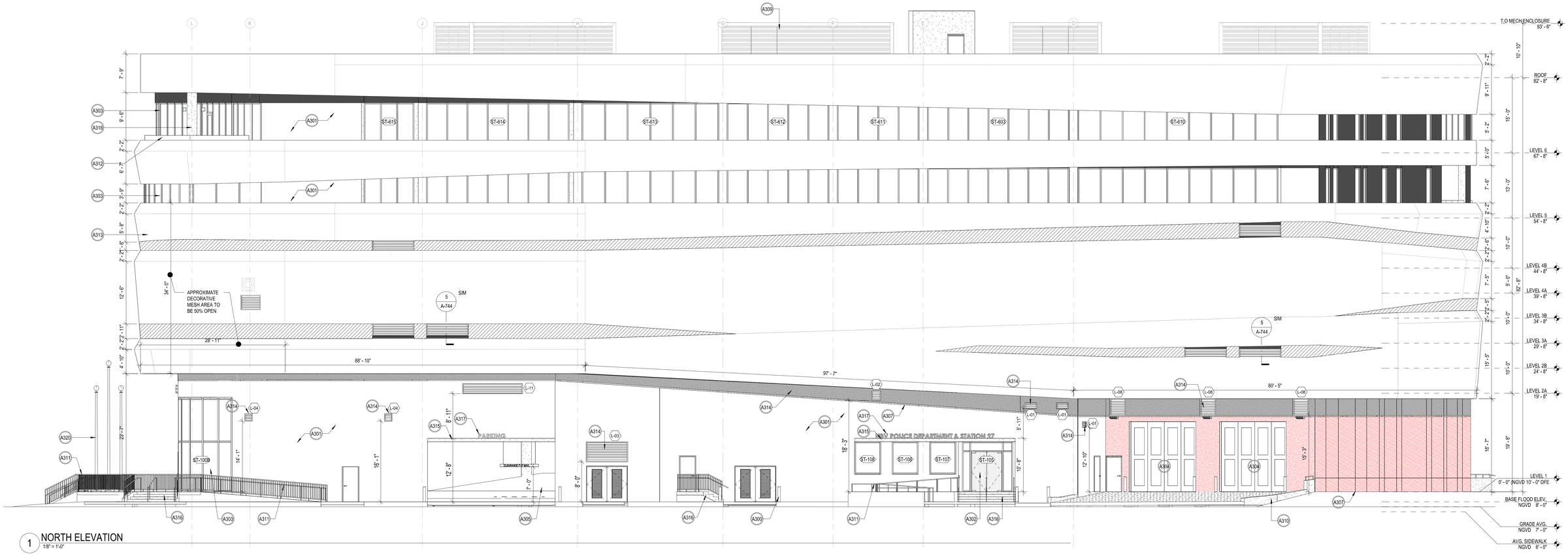
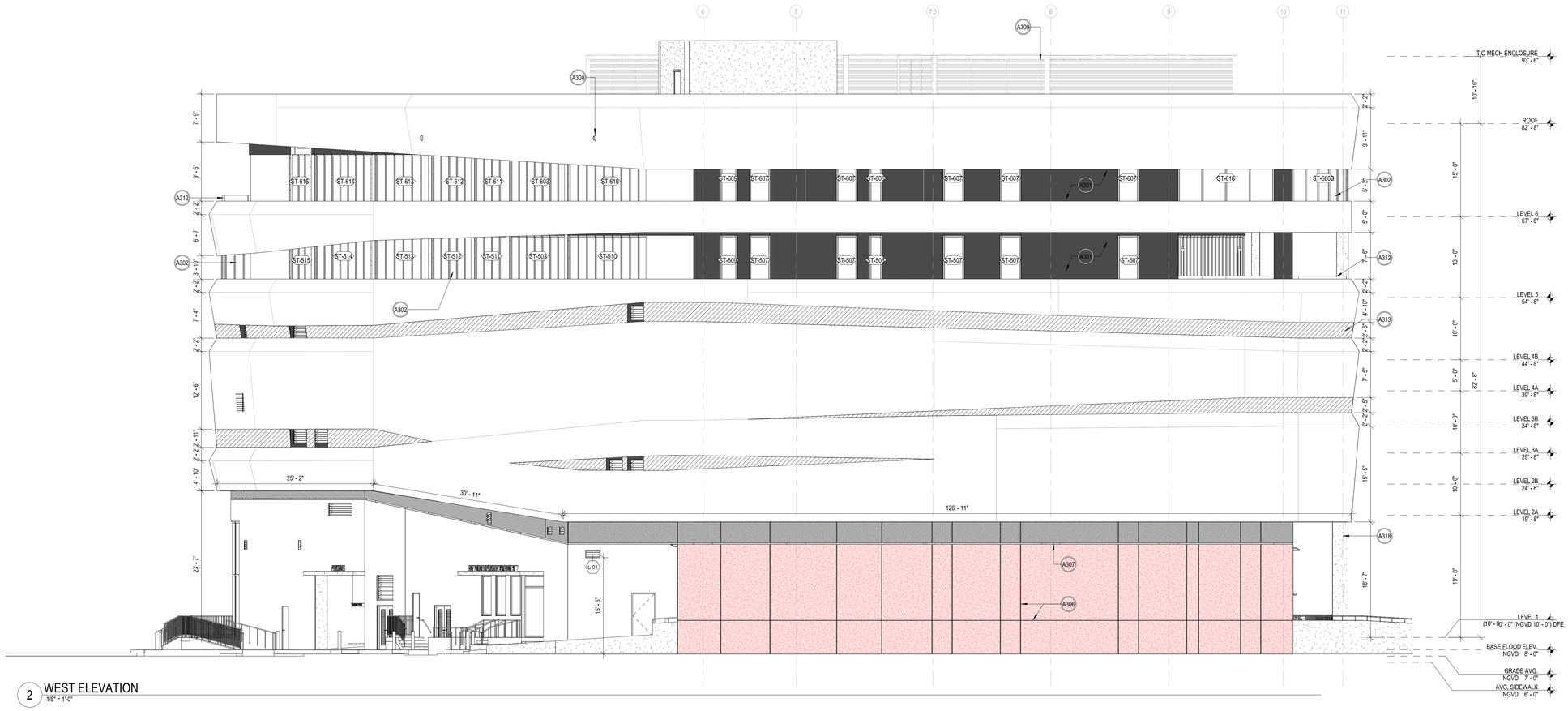
REV	DESCRIPTION	DATE
4	Plan Review	06/30/25

ENLARGED RCP
NEW SHEET
4
A-211



1 NORTH ELEVATION
1/8" = 1'-0"



2 WEST ELEVATION
1/8" = 1'-0"

SPECIFIC KEYNOTES - ELEVATIONS	
NUMBER	TEXT
A300	BOLLARD
A301	PAINTED STUCCO FINISH
A302	IMPACT RESISTANT SYSTEM AS SCHEDULED
A303	IMPACT RESISTANT CURTAIN WALL SYSTEM AS SCHEDULED
A304	4-FOLD BAY DOOR. REFER TO DOOR SCHEDULES
A305	CONCRETE. REFER TO SPECIFICATIONS
A306	3/8" PAINTED STUCCO REVEAL. TYP.
A307	2 1/2" PAINTED STUCCO REVEAL
A308	OVERFLOW DOWNSPOUT NOZZLE W/ COVER. REFER TO PLUMBING AND SPECIFICATIONS
A309	MECHANICAL ENCLOSURE TO BE DESIGNED BY DELEGATED ENGINEER. SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS PREPARED BY FLORIDA REGISTERED ENGINEER.
A310	CONCRETE RAMP WALLS. REFER TO STRUCTURAL
A311	POWDER COATED ALUMINUM GUARDRAIL SYSTEM
A312	GLASS RAILING SYSTEM
A313	ARCHITECTURAL MESH. REFER TO SPECIFICATIONS
A314	IMPACT RESISTANT LOUVER AS SCHEDULED
A315	STUCCO OVER CAST-IN-PLACE CONCRETE EYEBROWS
A316	CONCRETE STAIRS. REFER TO STRUCTURAL DETAILS.
A317	SIGNAGE
A318	CONCRETE COLUMN
A320	NEW FLAGPOLE W/ IN-GRADE COLOR CHANGING UPLIGHTING, REFER TO ELECTRICAL

EXTERIOR MATERIAL COLOR & FINISH SELECTION

METAL MESH FABRIC	VALMEX TF 400 (34% OPEN). STANDARD M/FR COLORS; CHAMPAGNE, GOBI & TAUPE + APPLIED GRADIENT/ LOGO TO MESH. REFER TO SPECIFICATIONS.
ALUMINUM GUARDRAIL SYSTEM @ BALCONY	CLEAR ANODIZED FINISH
METAL DOORS	PAINTED
APPARATUS BAY DOORS	COLOR TBD
METAL FRAME W/ INSECT MESH	TBD
ALUMINUM ENCLOSURE (ROOF MECH)	PAINTED WHITE
FRY REGLET REVEAL CHANNEL	CLEAR ANODIZED
CUSTOM PERFORATED SHEET METAL BUILDING SIGNAGE	COLOR - TBD

4

* FLOAT SAND FINISH STUCCO W/ STUCCO CONTROL JOINT EVERY 144 SF PER ASTMC926 (GC SHALL COORDINATE WITH THE ARCHITECT TO DETERMINE THE SPACING LAYOUT)

DECORATIVE SCREEN STRUCTURE FACADE GENERAL NOTE:
STRUCTURAL FRAMING, SUBFRAMING & ATTACHMENT CONNECTION WILL BE DESIGNED & ENGINEERED BY A DELEGATED ENGINEER. SUBMIT SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER.

REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING: 4

1. NEW LEVEL ADDED
2. NEW ARCHITECTURAL MESH FOR THE BUILDING'S FACADES
3. ADDITION AND REVISION OF LOUVERS

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REGISTERED ARCHITECT MARCEL R. MORLOTE 9564 STATE OF FLORIDA

MARCEL R. MORLOTE, R.A.
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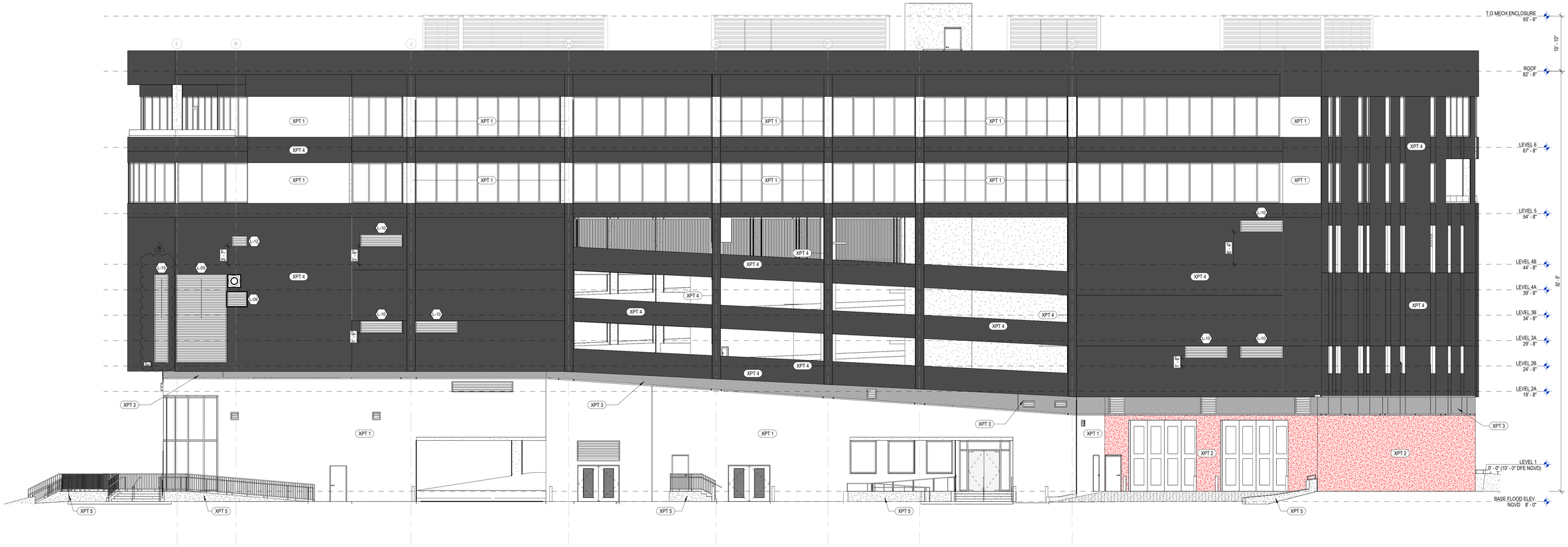
4	Plan Review	06/30/25

EXTERIOR ELEVATIONS (NORTH & WEST)

A-300

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



1 NORTH ELEVATION WITHOUT CLADDING
1/8" = 1'-0"

EXTERIOR ELEVATION PAINT LEGEND

XPT 1 MANUFACTURER: SHERWIN WILLIAMS
DESCRIPTION: EXTERIOR PAINT ON STUCCO (FINE)
STYLE: SW 7035 AESTHETIC WHITE
REMARKS: OR SIMILAR REFER TO SPECIFICATIONS

XPT 2 MANUFACTURER: SHERWIN WILLIAMS
DESCRIPTION: EXTERIOR PAINT ON STUCCO (FINE)
STYLE: SW 6866 HEART THROB
REMARKS: OR SIMILAR REFER TO SPECIFICATIONS

XPT 3 MANUFACTURER: SHERWIN WILLIAMS
DESCRIPTION: EXTERIOR PAINT ON STUCCO (FINE)
STYLE: SW 7018 DOVETAIL
REMARKS: OR SIMILAR REFER TO SPECIFICATIONS

XPT 4 MANUFACTURER: SHERWIN WILLIAMS
DESCRIPTION: EXTERIOR PAINT ON STUCCO (FINE)
STYLE: SW 6005 FOLKSTONE
REMARKS: OR SIMILAR REFER TO SPECIFICATIONS

XPT 5 DESCRIPTION: EXPOSED CONCRETE
REMARKS: REFER TO SPECIFICATIONS

NOTES:

EXTERIOR ELEVATION DEPICTED WITHOUT THE ORNAMENTAL METAL FACADE.

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REGISTERED ARCHITECT 9564 LIC. INTERIOR DESIGNER 3655 MARCEL R. MORLOTE STATE OF FLORIDA

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FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA, 33141

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Project Number
WJ 2312

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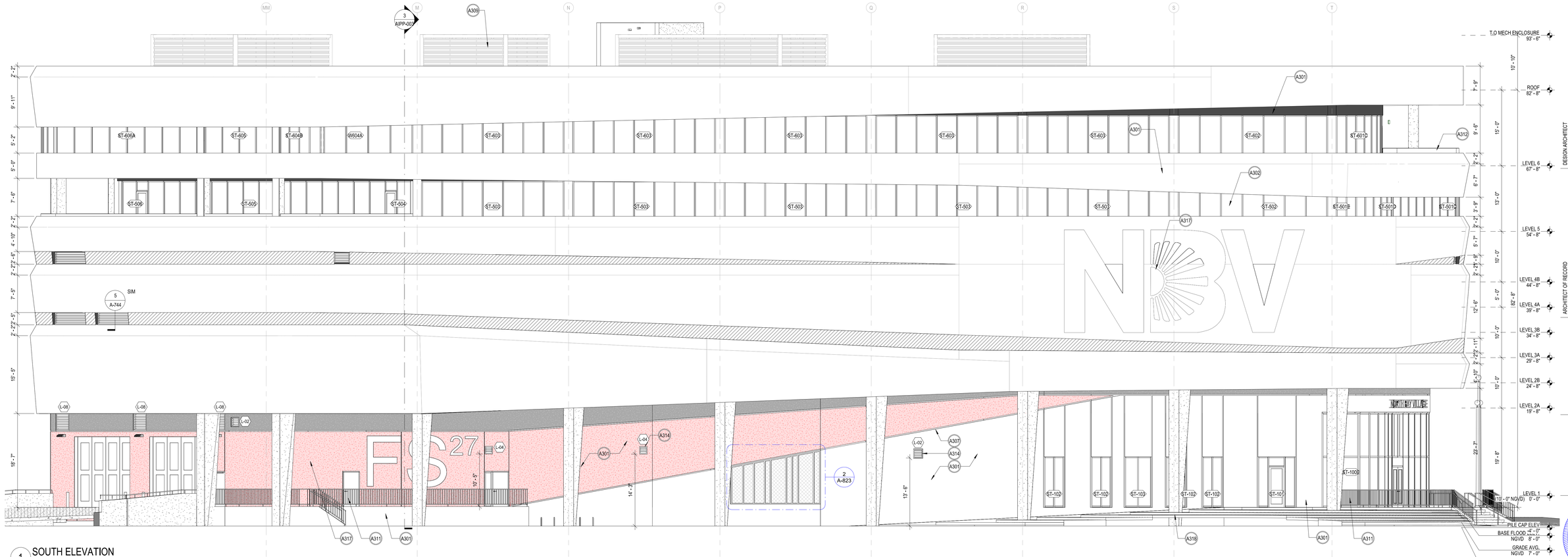
REV	DESCRIPTION	DATE
4	Plan Review	06/30/25
6	Plan Review	10/27/25

EXTERIOR ELEVATIONS (NORTH & WEST) WITHOUT CLADDING

A-301

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.


MM
M
N
P
Q
R
S
T
3
A/PP-003
A309
T.O MECH ENCLOSURE
93' - 6"
ROOF
82' - 8"
LEVEL 6
67' - 8"
LEVEL 5
54' - 8"
LEVEL 4B
44' - 8"
LEVEL 4A
39' - 8"
LEVEL 3B
34' - 8"
LEVEL 3A
29' - 8"
LEVEL 2B
24' - 8"
LEVEL 2A
19' - 8"
LEVEL 1
(10' - 0" NGVD) 0' - 0"
PILE CAP ELEV.
-4' - 0"
BASE FLOOD ELEV.
NGVD 8' - 0"
GRADE AVG.
NGVD 7' - 0"
AVG. SIDEWALK
NGVD 6' - 0"
10' - 10"
15' - 0"
13' - 0"
10' - 0"
12' - 8"
5' - 0"
10' - 0"
10' - 0"
4' - 10"
10' - 0"
22' - 7"
19' - 8"
82' - 8"
ST-606A
ST-605
ST-604B
W604A
ST-603
ST-602
ST-601C
ST-606B
ST-505
ST-504
ST-503
ST-502
ST-501B
ST-501D
ST-501C
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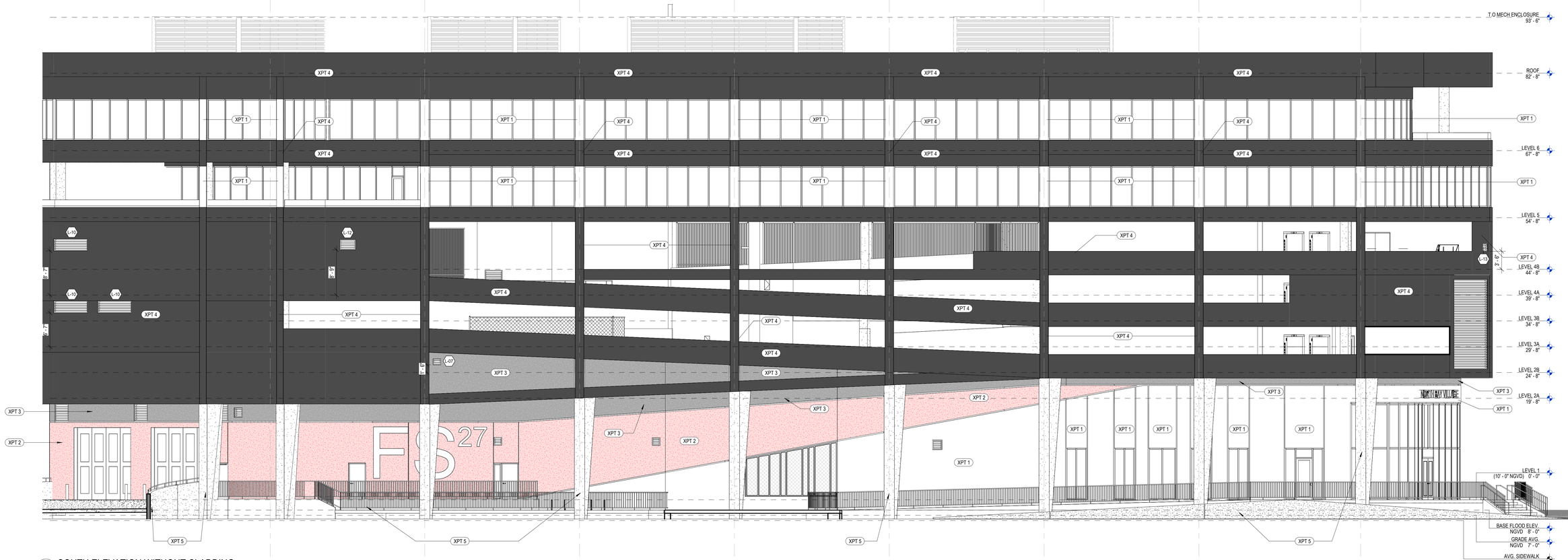
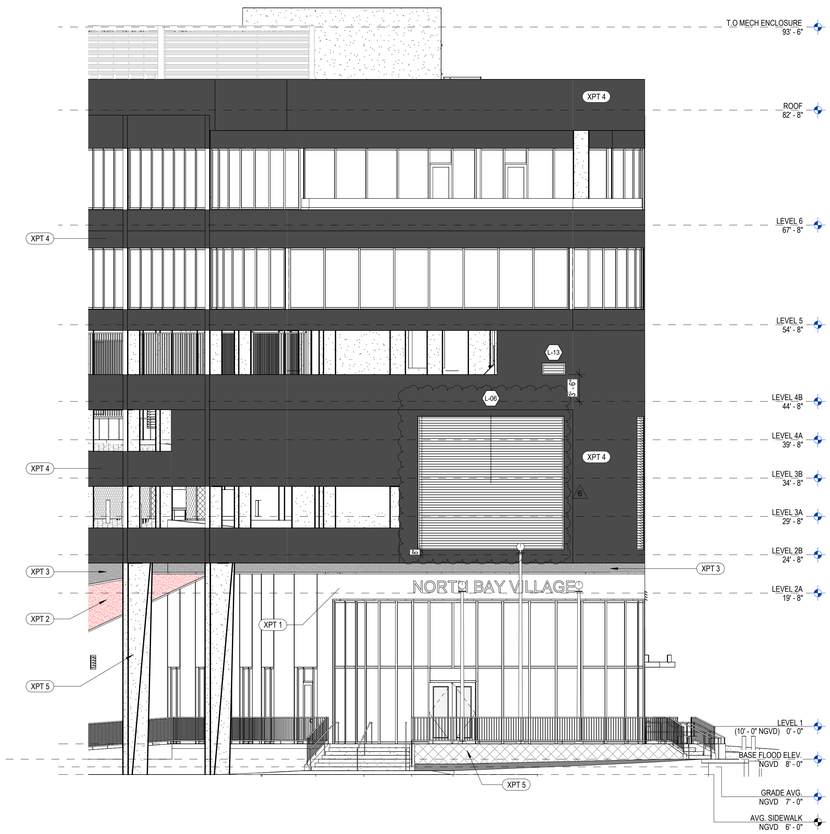
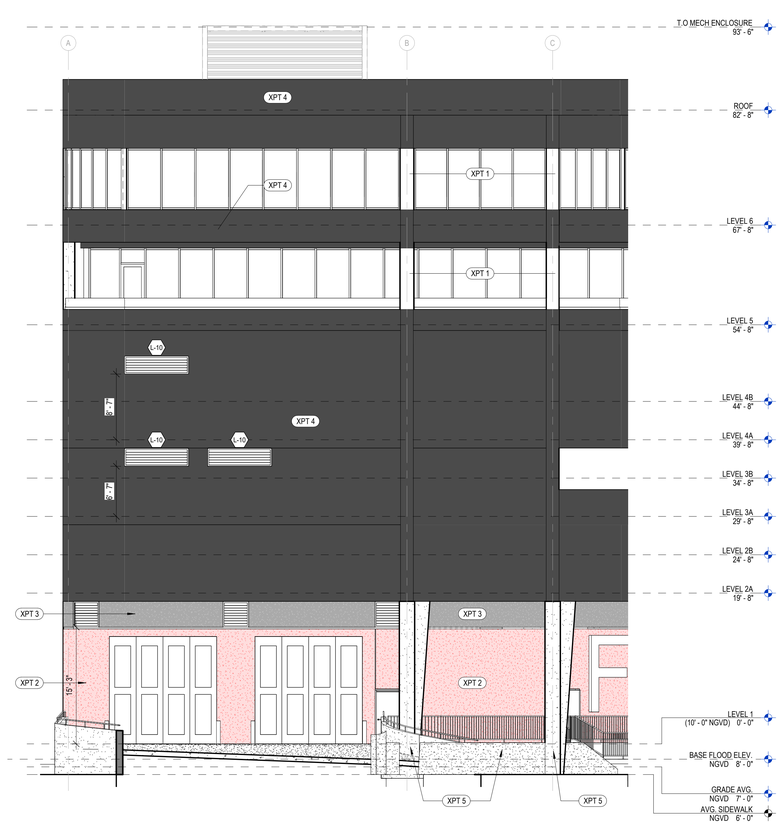


1 SOUTH ELEVATION WITHOUT CLADDING
1/8" = 1'-0"



2 EAST ELEVATION WITHOUT CLADDING
1/8" = 1'-0"



3 SOUTHWEST ELEVATION WITHOUT CLADDING
1/8" = 1'-0"

EXTERIOR ELEVATION PAINT LEGEND

XPT 1 — MANUFACTURER: SHERWIN WILLIAMS
DESCRIPTION: EXTERIOR PAINT ON STUCCO (FINE)
STYLE: SW 7035 AESTHETIC WHITE
REMARKS: OR SIMILAR REFER TO SPECIFICATIONS

XPT 2 — MANUFACTURER: SHERWIN WILLIAMS
DESCRIPTION: EXTERIOR PAINT ON STUCCO (FINE)
STYLE: SW 6866 HEART THROB
REMARKS: OR SIMILAR REFER TO SPECIFICATIONS

XPT 3 — MANUFACTURER: SHERWIN WILLIAMS
DESCRIPTION: EXTERIOR PAINT ON STUCCO (FINE)
STYLE: SW 7018 DOVETAIL
REMARKS: OR SIMILAR REFER TO SPECIFICATIONS

XPT 4 — MANUFACTURER: SHERWIN WILLIAMS
DESCRIPTION: EXTERIOR PAINT ON STUCCO (FINE)
STYLE: SW 6005 FOLKSTONE
REMARKS: OR SIMILAR REFER TO SPECIFICATIONS

XPT 5 — DESCRIPTION: EXPOSED CONCRETE
REMARKS: REFER TO SPECIFICATIONS

NOTES:

EXTERIOR ELEVATION DEPICTED WITHOUT THE ORNAMENTAL METAL FACADE.

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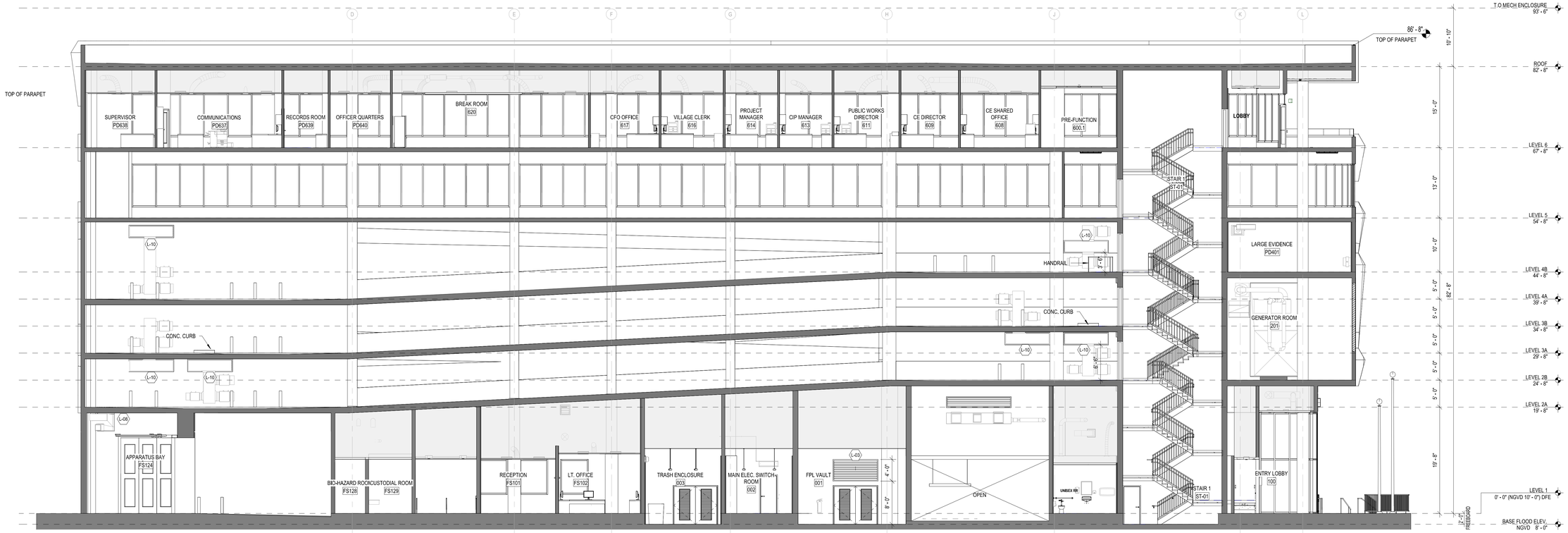
4	Plan Review	06/30/25
6	Plan Review	10/27/25

EXTERIOR ELEVATIONS (SOUTH, EAST & SOUTHWEST) WITHOUT CLADDING

A-303



1 SECTION 1 - SPEED RAMP
1/8" = 1'-0"



2 SECTION 2 - NORTH RAMP
1/8" = 1'-0"

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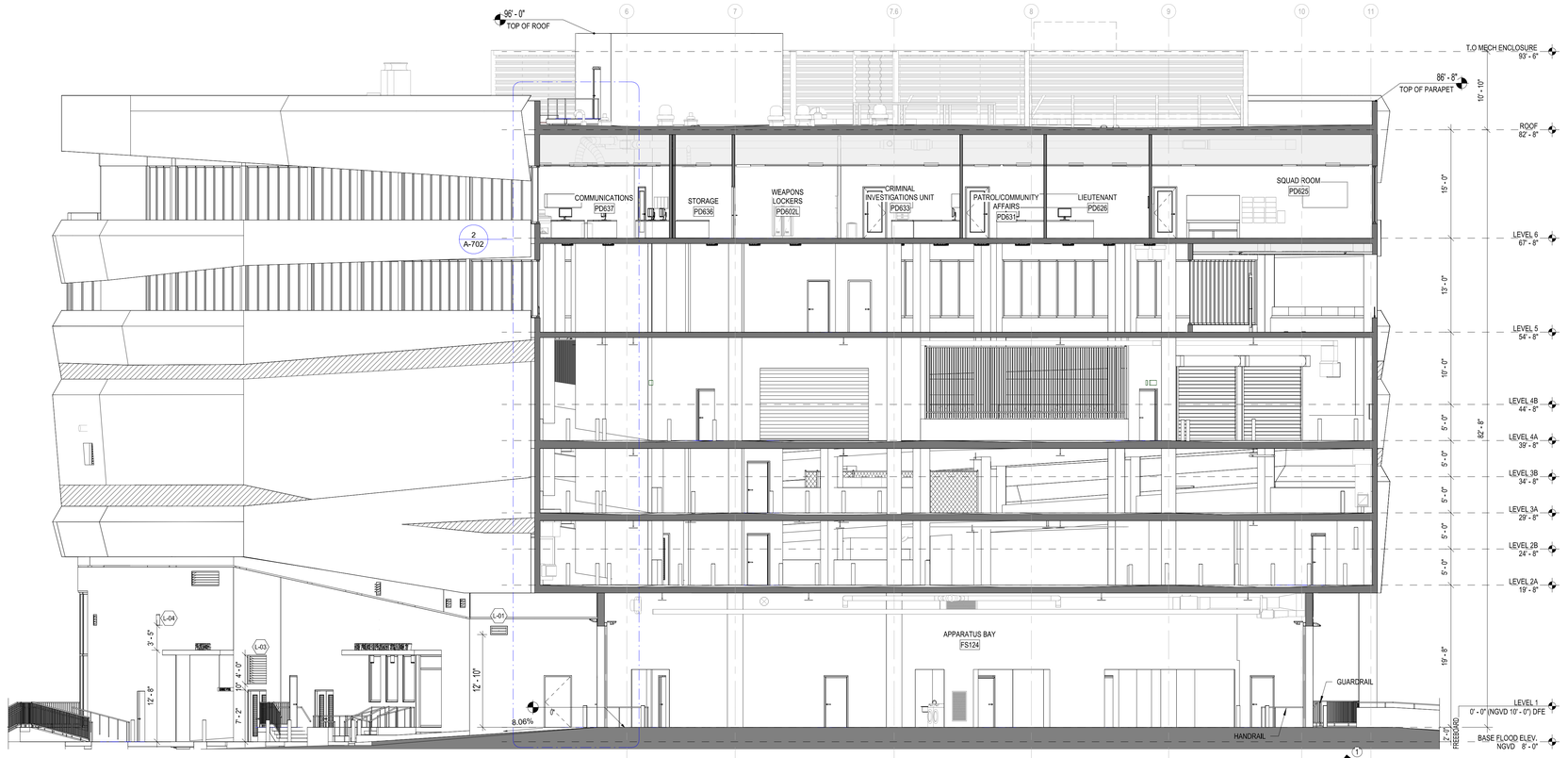
4	Plan Review	06/30/25

BUILDING SECTIONS

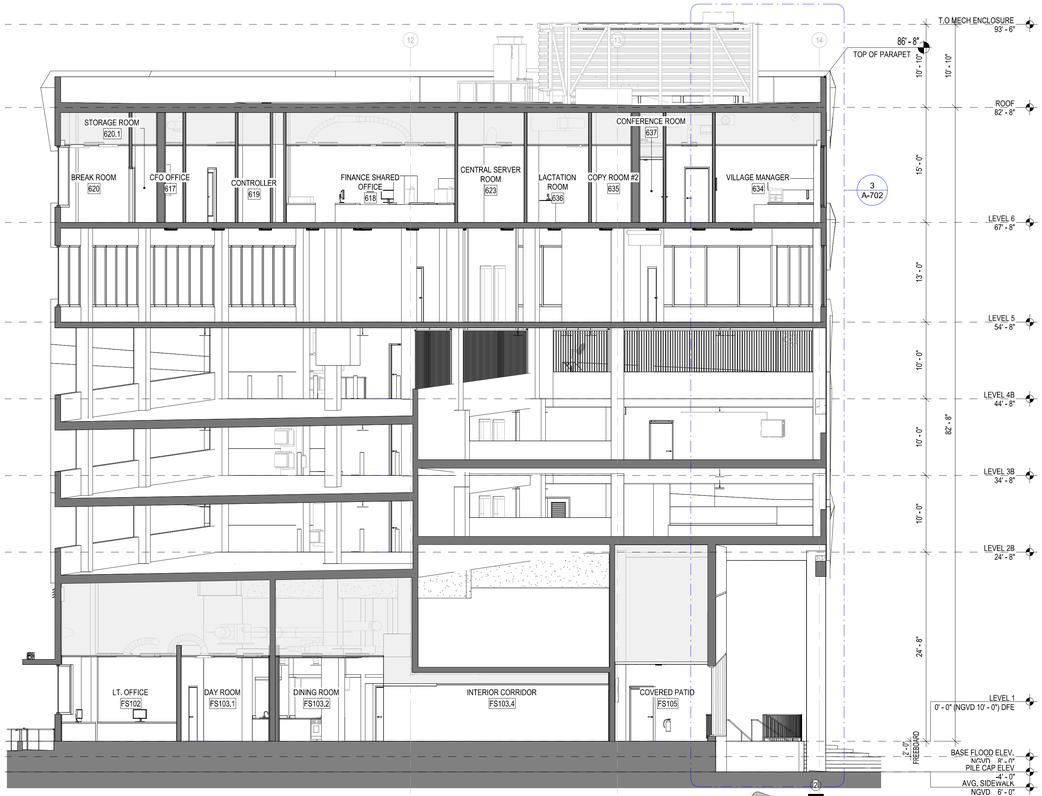
REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:
1. NEW LEVEL ADDED
2. NEW ARCHITECTURAL MESH FOR THE BUILDING'S FACADES

A-350

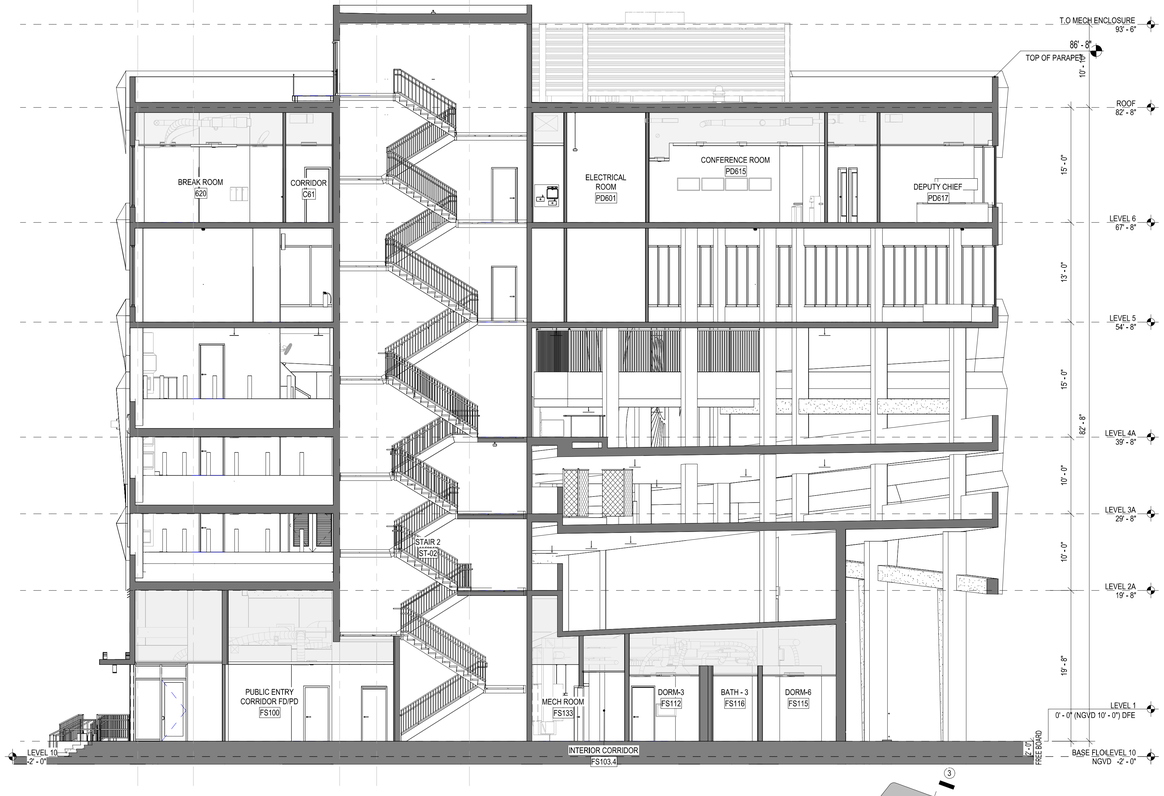
TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



1 SECTION 3 - APPARATUS BAY
1/8" = 1'-0"



2 SECTION 4
1/8" = 1'-0"



3 SECTION 5 - THROUGH STAIR 2
1/8" = 1'-0"

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STATE OF FLORIDA
REGISTERED ARCHITECT
MARCEL R. MORLOTE
LICENSE NUMBER 9564

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4	Plan Review	06/30/25

BUILDING SECTIONS

4
REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:
1. NEW LEVEL ADDED
2. NEW ARCHITECTURAL MESH FOR THE BUILDING'S FACADES

A-351

GENERAL NOTES - INTERIORS

1. ALL EXPOSED SURFACES SHALL BE FINISHED. VERIFY FINISH WITH THE INTERIOR DESIGNER WHERE THE FINISH IS NOT INDICATED OR IS UNCLEAR.

2. ALL FLOOR FINISH CHANGES SHALL OCCUR UNDER THE CENTERLINE OF DOORS IN THE CLOSED POSITION. ALL FLOORING TO RUN UNDERNEATH MILLWORK, DOOR REVEALS, CLOSETS AND SIMILAR OPENINGS. SCRIBE, CUT AND FIT FLOORING TO PIPES, PERMANENT FIXTURES AND FLOOR RECEPTACLES PRIOR TO INSTALLATION.

3. STAIRWELL: SEE SHEETS (***A-604***) FOR STAIRWELL DETAILS.

4. PAINT HOLLOW METAL DOOR FRAMES (***P-1***) OR (***TO MATCH ADJACENT WALL***).

5. PAINT INTERIOR (***STEEL, HOLLOW METAL, WOODEN***) DOOR (***P-1***).

6. WINDOW SILLS TO BE ***SSM1*** (ONLY USE IF SOLID SURFACE WINDOW SILL ARE BEING USED).

7. ELEVATOR FINISHES: (SEE SHEET ***A-602*** FOR ELEVATIONS & DETAILS): MANUFACTURE; OTIS
   FOR ELEVATORS E1-1 & E1-2:
   FLOOR: PORCELAIN TILE (PT-2), SEE FINISH LEGEND, SHEET ID-100
   WALLS: PREMIUM LAMINATE: WALNUT HEIGHTS 7965
   HANDRAILS: STAINLESS STEEL
   CEILING: STAINLESS STEEL
   FOR ELEVATOR E1-3 & E1-4:
   FLOOR: PORCELAIN TILE 12"X12", STYLE TBD
   WALLS: STANDARD FINISHES; RIGIDIZED STAINLESS STEEL 5WL
   HANDRAILS: STAINLESS STEEL
   CEILING: STAINLESS STEEL

8. 803.1.1 "INTERIOR WALL AND CEILING FINISH MATERIALS"
   INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84 OR UL 723. SUCH INTERIOR FINISH MATERIALS SHALL BE GROUPED IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLAME SPREAD AND SMOKE-DEVELOPED INDEXES.
   CLASS A = FLAME SPREAD INDEX 0-25; SMOKE-DEVELOPED INDEX 0-450.
   CLASS B = FLAME SPREAD INDEX 26-75; SMOKE-DEVELOPED INDEX 0-450.
   CLASS C = FLAME SPREAD INDEX 76-200; SMOKE-DEVELOPED INDEX 0-450.
   (EXCEPTION: MATERIALS TESTED IN ACCORDANCE WITH SECTION 803.1.2)

   TABLE 803.9 "INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANY" (REF. SHEET (G-103)

9. FLOORING TRANSITIONS OCCURRING IN THE DOORWAY TO BE CENTERED ON THE CLOSED DOOR WITH THE TRANSITION STRIP NOT VISIBLE. FOLLOW FLORIDA BUILDING CODE REQUIREMENTS ON ACCESSIBILITY (SECTION 303 - CHANGES IN LEVEL FOR ALL ADA REQUIREMENTS).
   FLOORING TRANSITIONS:
   PT TO CPT: SCHLUTER SYSTEM; STYLE: RENO-U; FINISH: SATIN ANODIZED ALUMINUM (3/8" TO 1/4")
   PT TO LVT: SCHLUTER SYSTEM; STYLE: RENO-U; FINISH: SATIN ANODIZED ALUMINUM (3/8" TO 1/8")
   PT TO CS: SCHLUTER SYSTEM; STYLE: RENO-U; FINISH: SATIN ANODIZED ALUMINUM (3/8" TO CONCRETE FLOOR)
   CPT TO LVT: TARKETT; STYLE: METAL EDGE 001 ME-001; COLOR: IRONSTONE #178 (1/4" TO 1/8")
   CS TO TER: SATIN ANODIZED ALUMINUM METAL STRIP (CONCRETE TO TERRAZO)
   LVT TO TER: SATIN ANODIZED ALUMINUM METAL STRIP (1/8" TO TERRAZO FLOOR)
   LVT TO CS: TARKETT RUBBER REDUCER; STYLE: RRS-XX-C; COLOR: TOAST #283 (1/8" TO CONCRETE FLOOR)
   RT TO CS: TARKETT RUBBER REDUCER; STYLE: CRS-XX-B; COLOR: BLACK #40 (3/8" TO CONCRETE FLOOR)
   TER TO WALK-OFF MAT; SATIN ANODIZED ALUMINUM METAL STRIP

10. SEE ENLARGED PLANS/ INTERIOR ELEVATIONS FOR WALL TILE DESIGNATION.

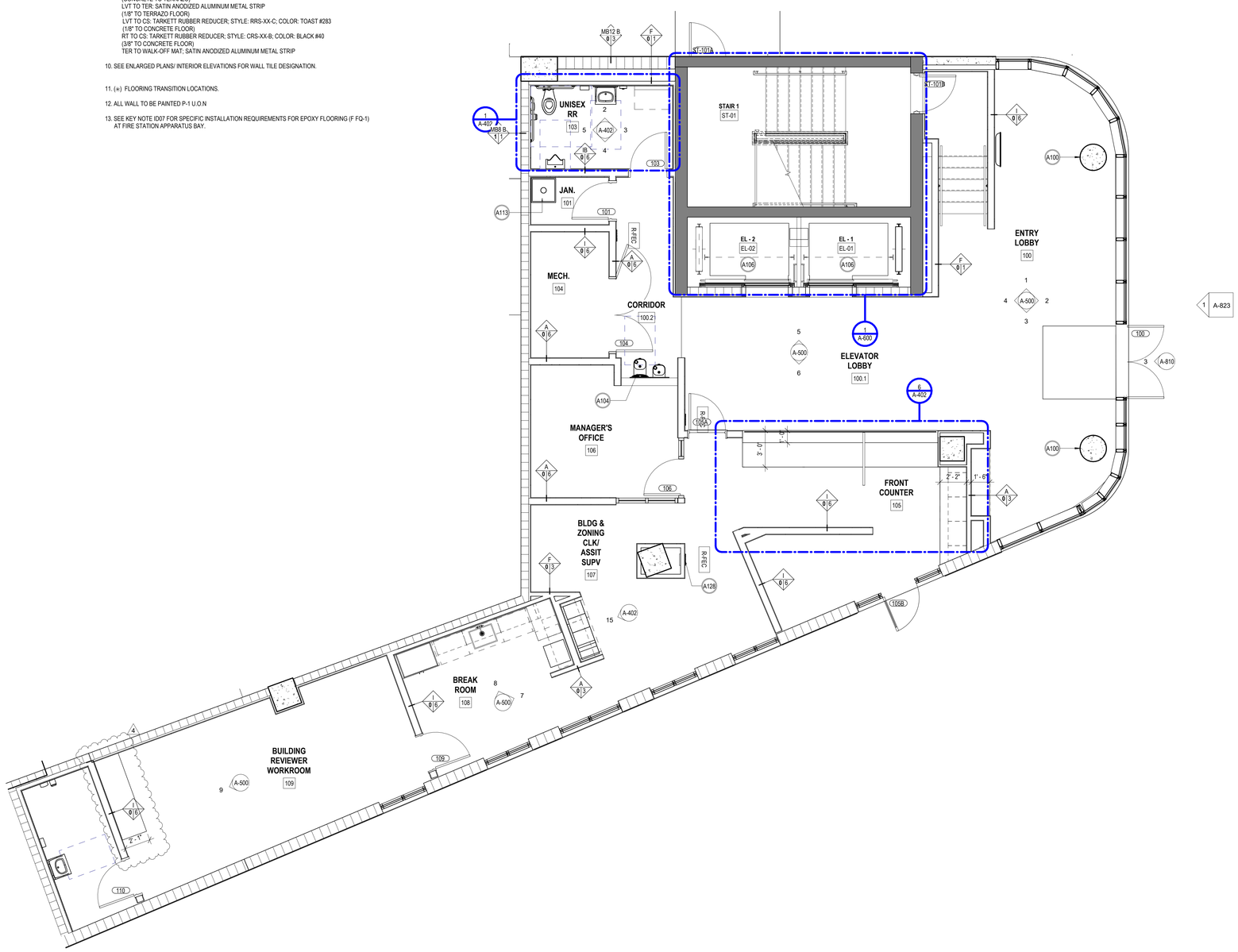
11. (e) FLOORING TRANSITION LOCATIONS.

12. ALL WALL TO BE PAINTED P-1 U.O.N

13. SEE KEY NOTE ID07 FOR SPECIFIC INSTALLATION REQUIREMENTS FOR EPOXY FLOORING (F FQ-1) AT FIRE STATION APPARATUS BAY.

SPECIFIC KEYNOTES - INTERIOR

NUMBER	DESCRIPTION
A100	SKIM COAT STUCCO FINISH
A104	ADA COMPLIANT DUAL LEVEL WALL MOUNT DRINK FOUNTAINS
A106	ELEVATOR, REFER TO ENLARGED FLOOR AND SECTION DWGS
A113	MOP SINK, REFER TO PLUMBING DRAWINGS
A128	WALL RECESS FIRE EXTINGUISHER WITH CABINET



1 ENLARGED GROUND LEVEL ENTRANCE LOBBY
1/4" = 1'-0"

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MARCEL R. MORLOTE, R.A.
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REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
2	Plan Review	12/20/24
4	Plan Review	06/30/25

ENLARGED LEVEL 01 FLOOR PLAN - VH OPERATIONS

A-401

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GENERAL NOTES - INTERIORS

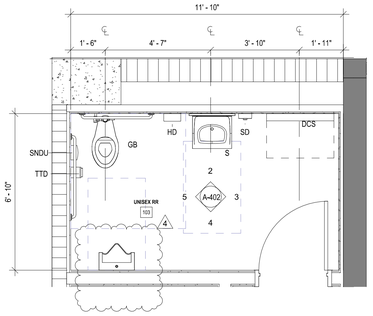
1, SEE SHEET A-401 FOR ALL INTERIORS GENERAL NOTES.

SPECIFIC KEYNOTES - INTERIOR ELEVATIONS

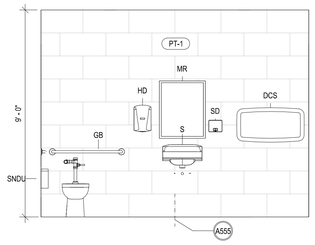
NUMBER	DESCRIPTION
A505	CLEAR ACRYLIC GLASS BARRIER
A506	TRANSACTION OPENING
A507	REFER TO INTERIOR SIGNAGE SHEET A-717
A511	REFER TO DOOR SCHEDULE
A555	MATCH WALL GROUT WITH FLOOR TILE

EQUIPMENT SCHEDULE - LEVEL 1 FRONT...

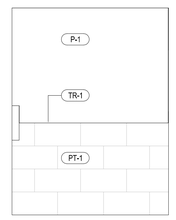
TAG	DESCRIPTION	PROVIDED BY	ROOM #
#1	FLOOR SAFE	BY OWNER	105
#5	DESK TOP SCANNER	BY OWNER	105
#7	POSTAGE METER MACHINE	BY OWNER	105
#11	MONEY ORDER MACHINE	BY OWNER	105
#12	ENVELOP SORTER	BY OWNER	105



1 LVL 1 LOBBY RR ADA 103 - ENLARGED PLAN
3/8" = 1'-0"



2 LVL 1 LOBBY RR ADA 103 - NORTH ELEVATION
3/8" = 1'-0"



3 LVL 1 LOBBY RR ADA 103 - EAST ELEVATION
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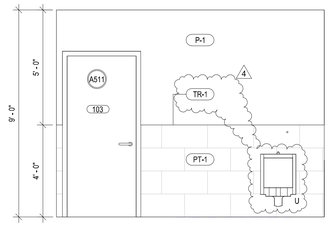

4 LVL 1 LOBBY RR ADA 103 - SOUTH ELEVATION
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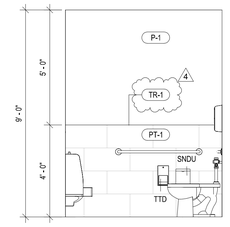
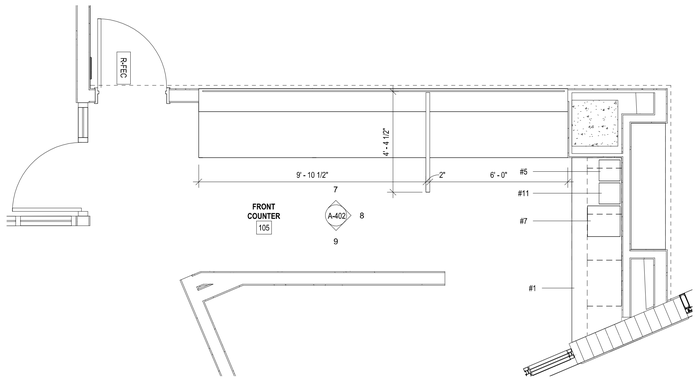


5 LVL 1 LOBBY RR ADA 103 - WEST ELEVATION
3/8" = 1'-0"



6 LVL 1 FRONT COUNTER 105 - ENLARGED PLAN
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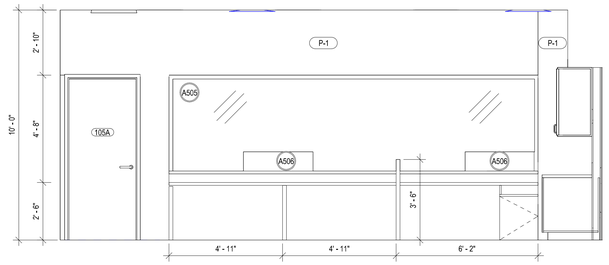
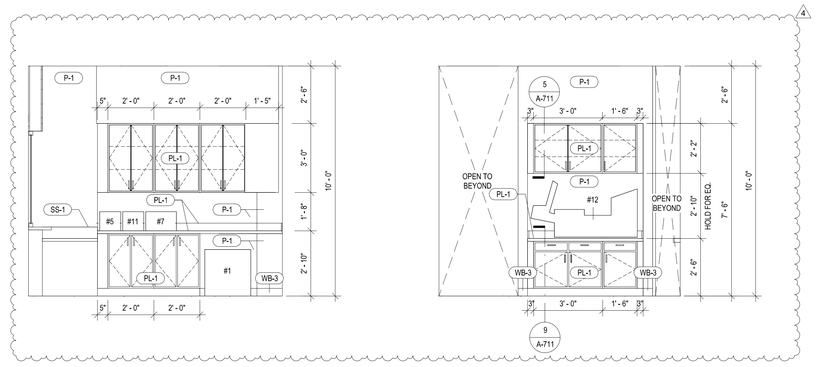
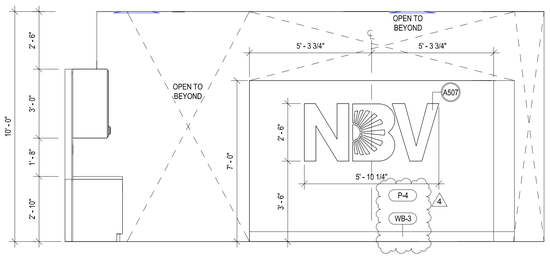


7 LVL 1 FRONT COUNTER 105 - NORTH ELEVATION
3/8" = 1'-0"

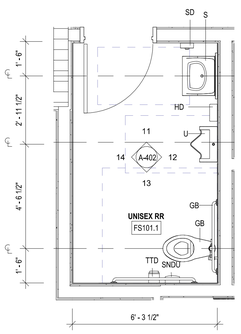


8 LVL 1 FRONT COUNTER 105 - EAST ELEVATION
3/8" = 1'-0"

15 LVL 1 FRONT COUNTER 105
3/8" = 1'-0"



9 LVL 1 FRONT COUNTER 105 - SOUTH ELEVATION
3/8" = 1'-0"



10 LVL 1 LOBBY RR FS101.1 - ENLARGED PLAN
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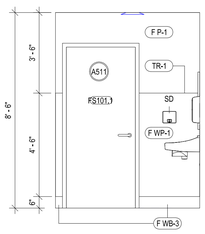

11 LVL 1 LOBBY RR FS101.1 - NORTH ELEVATION
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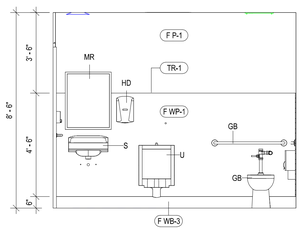

12 LVL 1 LOBBY RR FS101.1 - EAST ELEVATION
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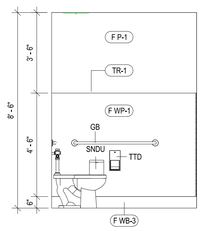
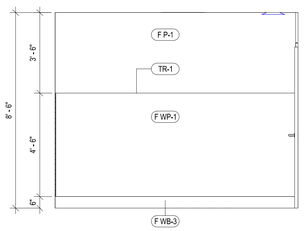


13 LVL 1 LOBBY RR FS101.1 - SOUTH ELEVATION
3/8" = 1'-0"



14 LVL 1 LOBBY RR FS101.1 - WEST ELEVATION
3/8" = 1'-0"

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INTERIOR DESIGNER REGISTERED ARCHITECT MARCEL R. MORLOTE STATE OF FLORIDA

MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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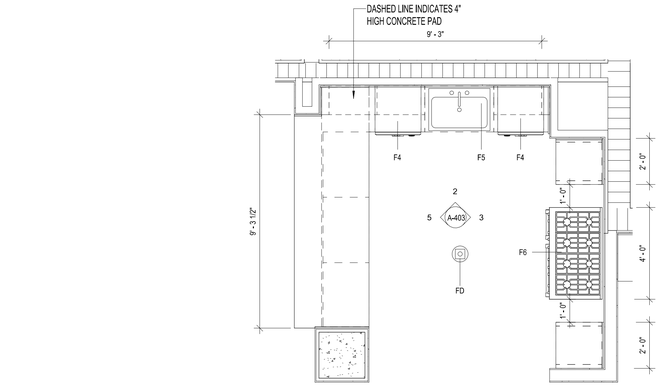
Project Number
WJ 2312

DISTRIBUTION
12/11/2024

REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
4	Plan Review	06/30/25

ENLARGED FLOOR PLANS AND ELEVATIONS

A-402



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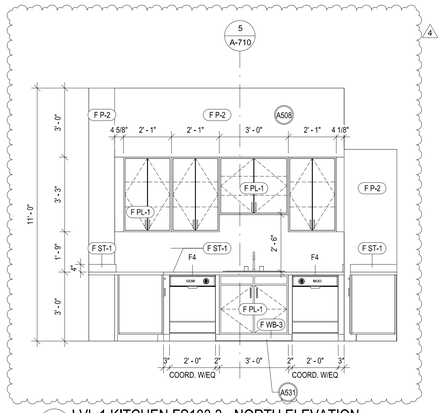
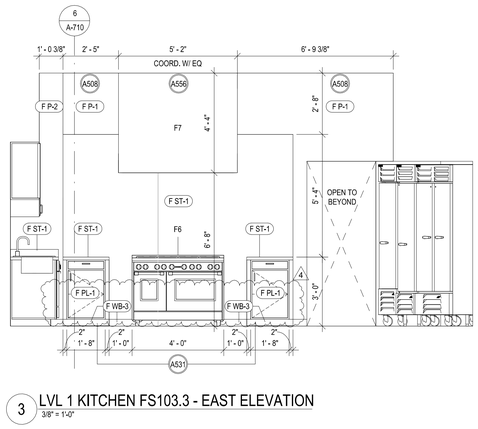


2 LVL 1 KITCHEN FS103.3 - NORTH ELEVATION
3/8" = 1'-0"



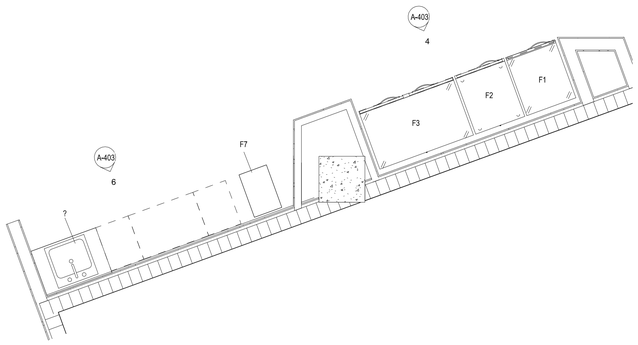
3 LVL 1 KITCHEN FS103.3 - EAST ELEVATION
3/8" = 1'-0"

GENERAL NOTES - INTERIORS

1, SEE SHEET A-401 FOR ALL INTERIORS GENERAL NOTES.

SPECIFIC KEYNOTES - INTERIOR ELEVATIONS

NUMBER	DESCRIPTION
A508	GYPSUM SOFFIT
A511	REFER TO DOOR SCHEDULE
A513	WALL MOUNTED SHELF WITH CONCEALED SUPPORT BRACKETS
A518	SHOWER CURB
A531	4" CONCRETE PAD POUR FOR CASEWORK, COORDINATE WITH CASEWORK
A537	SEE ELECTRICAL DRAWINGS FOR LIGHT SPEC
A556	HOOD CENTER ABOVE RANGE
A557	UNDERSIDE OF SOFFIT PAINTED ACCENT COLOR, SEE INTERIOR ELEVATIONS FOR COLOR TAG



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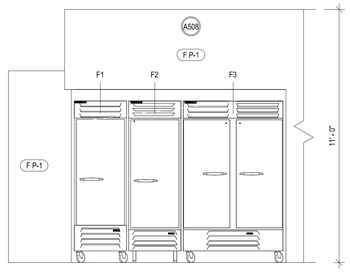
3/8" = 1'-0"



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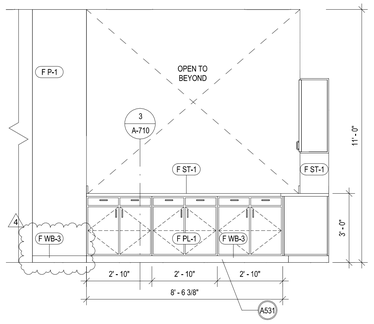

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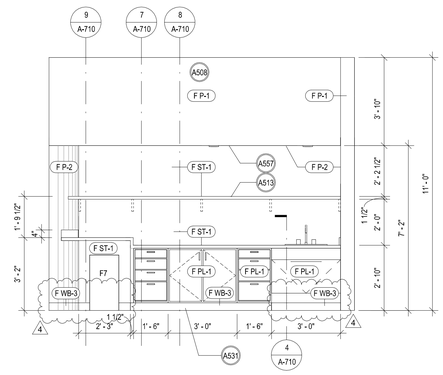

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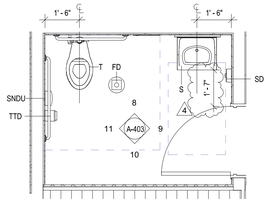

7 LVL 1 RR FS106 - ENLARGED PLAN
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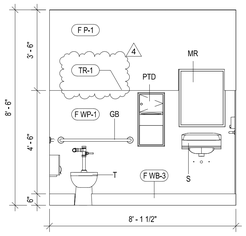

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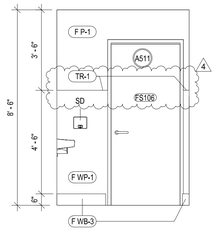

9 LVL 1 RR FS106 - EAST ELEVATION
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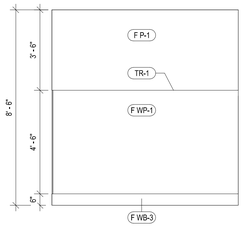

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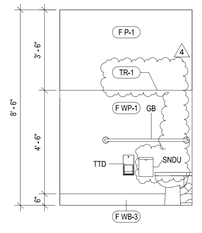

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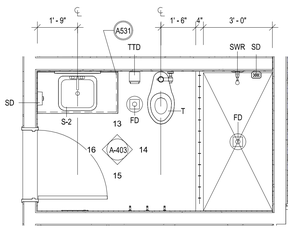

12 LVL 1 BATH-1 FS109 - ENLARGED PLAN
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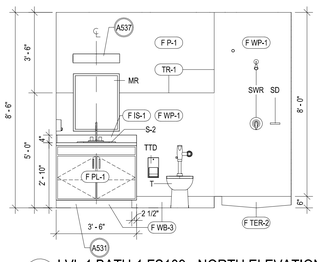

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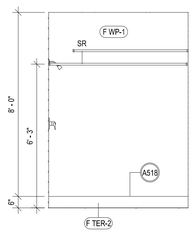
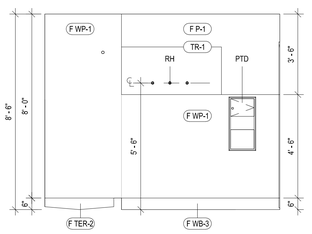


14 LVL 1 BATH-1 FS109 - EAST ELEVATION
3/8" = 1'-0"



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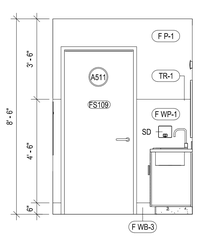
3/8" = 1'-0"



16 LVL 1 BATH-1 FS109 - WEST ELEVATION
3/8" = 1'-0"

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FL. ARCH. REG. NO. 9564
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REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
4	Plan Review	06/30/25

ENLARGED FLOOR PLANS AND ELEVATIONS

A-403

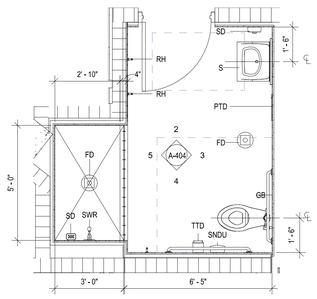
TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

GENERAL NOTES - INTERIORS

1, SEE SHEET A-401 FOR ALL INTERIORS GENERAL NOTES.

SPECIFIC KEYNOTES - INTERIOR ELEVATIONS

NUMBER	DESCRIPTION
A511	REFER TO DOOR SCHEDULE
A518	SHOWER CURB



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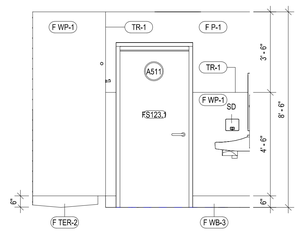

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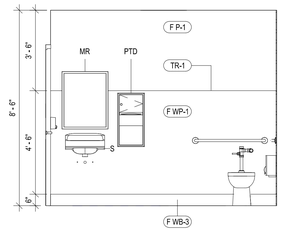

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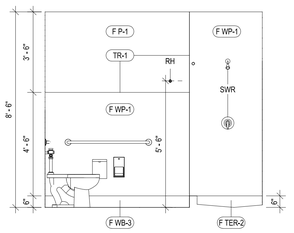

4 LVL 1 BATH-6 FS123.1 - SOUTH ELEVATION
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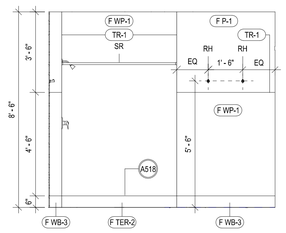

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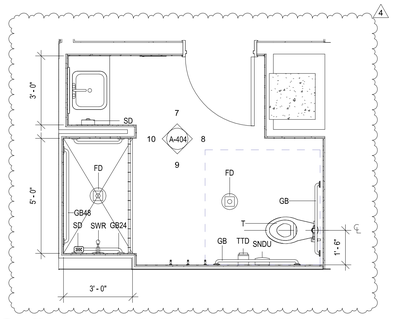

6 LVL 1 OIC BATH FS122.1 - ENLARGED PLAN
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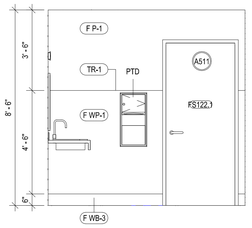

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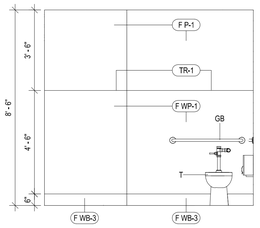

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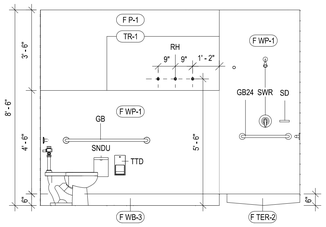
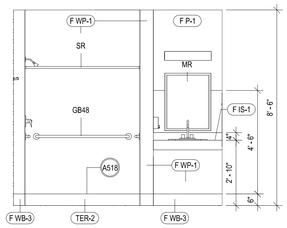


9 LVL 1 OIC BATH FS122.1 - SOUTH ELEVATION
3/8" = 1'-0"



10 LVL 1 OIC BATH FS122.1 - WEST ELEVATION
3/8" = 1'-0"

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FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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Project Number
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REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
2	Plan Review	12/20/24
4	Plan Review	06/30/25

ENLARGED FLOOR PLANS AND ELEVATIONS

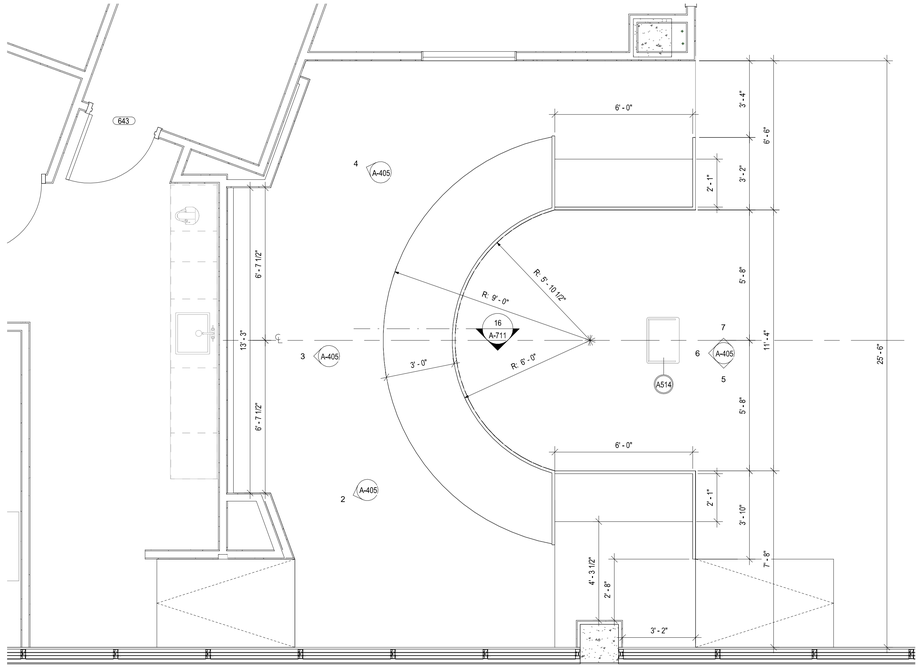
A-404

GENERAL NOTES - INTERIORS

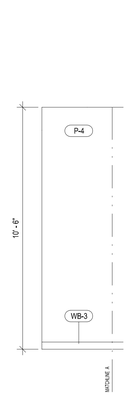
1. SEE SHEET A-401 FOR ALL INTERIORS GENERAL NOTES.

SPECIFIC KEYNOTES - INTERIOR ELEVATIONS

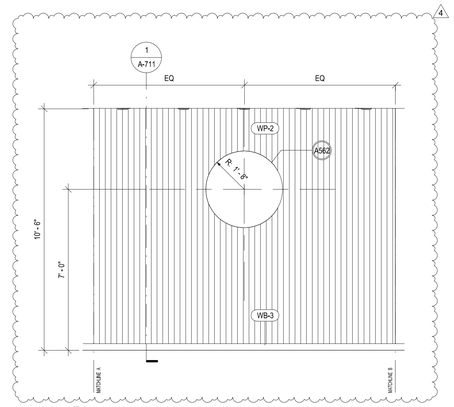
NUMBER	DESCRIPTION
A514	FURNITURE BY OTHER
A522	DAIS DESK, SEE MILLWORK SECTIONS FOR DETAILS, PROVIDE GROMMETS LOCATIONS AT EACH STATION, COLOR TO MATCH ADJACENT LAMINATE
A534	REFER TO INTERIOR WINDOW SCHEDULE SHEET A-810
A551	LOW PLATFORM RAMP
A562	FIRE STATION BUILDING DEDICATION BRONZE PLAQUE, SEE BUILDING SIGNAGE SHEET 7/A-744.



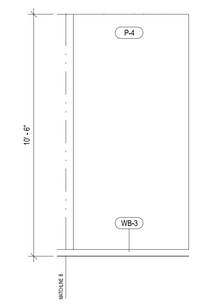
1 LVL 6 DAIS - PLAN
3/8" = 1'-0"



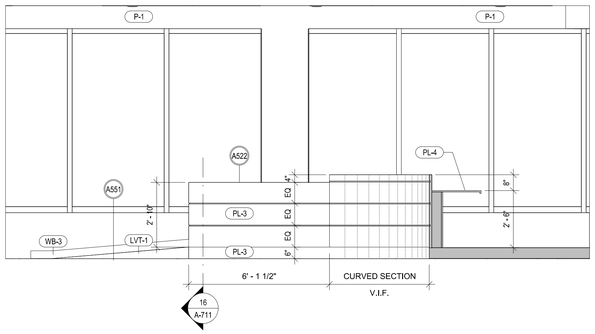
2 LVL 6 ELEVATION - DAIS BACK WALL SOUTH
3/8" = 1'-0"



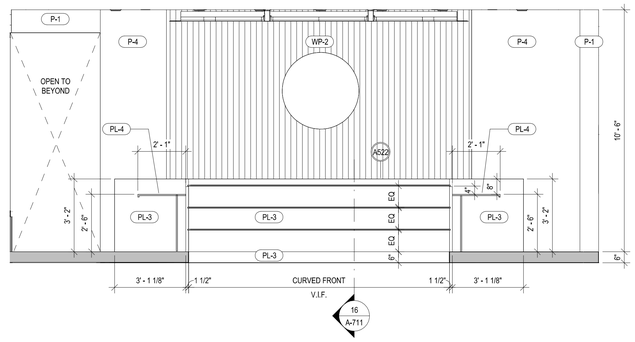
3 LVL 6 ELEVATION - DAIS BACK PANEL WALL WEST
3/8" = 1'-0"



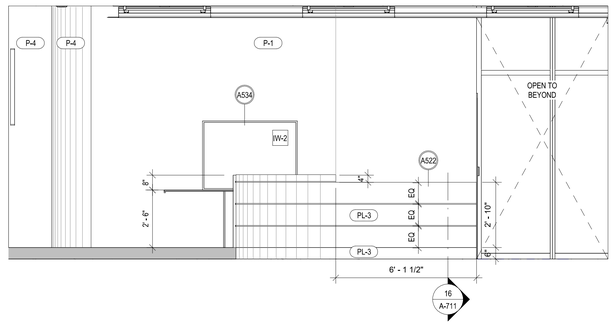
4 LVL 6 ELEVATION - DAIS BACK WALL NORTH
3/8" = 1'-0"



5 LVL 6 601.2 SOUTH ELEVATION - DAIS
3/8" = 1'-0"



6 LVL 6 601.2 WEST ELEVATION - DAIS
3/8" = 1'-0"



7 LVL 6 601.2 NORTH ELEVATION - DAIS
3/8" = 1'-0"

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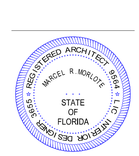

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ENLARGED FLOOR PLANS AND ELEVATIONS

A-405

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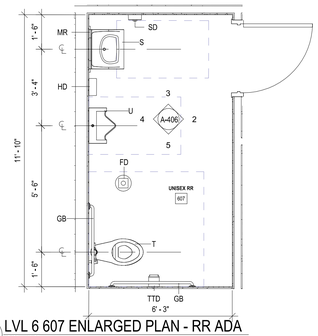
GENERAL NOTES - INTERIORS

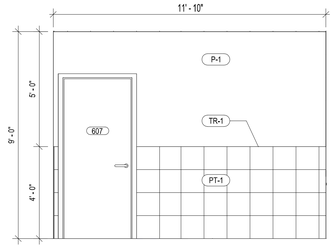
1. SEE SHEET A-401 FOR ALL INTERIORS GENERAL NOTES.

SPECIFIC KEYNOTES - INTERIOR ELEVATIONS

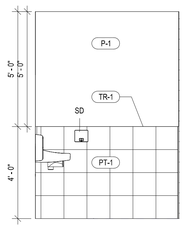
NUMBER	DESCRIPTION



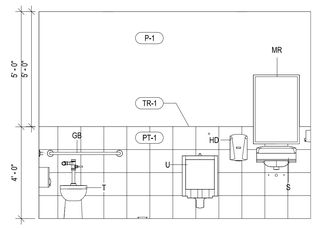
1 LVL 6 607 ENLARGED PLAN - RR ADA
3/8" = 1'-0"



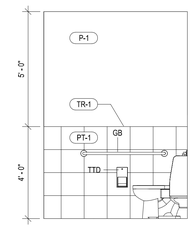
2 LVL 6 607 - EAST ELEVATION - RR ADA
3/8" = 1'-0"



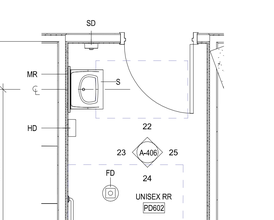
3 LVL 6 607 - NORTH ELEVATION - RR ADA
3/8" = 1'-0"



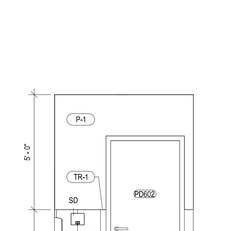
4 LVL 6 607 - WEST ELEVATION - RR ADA
3/8" = 1'-0"



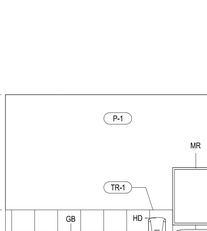
5 LVL 6 607 - SOUTH ELEVATION - RR ADA
3/8" = 1'-0"



6 LVL 6 606 ENLARGED PLAN - RR TYP.
3/8" = 1'-0"



7 LVL 6 606 - NORTH ELEVATION - RR TYP.
3/8" = 1'-0"



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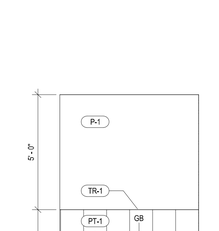
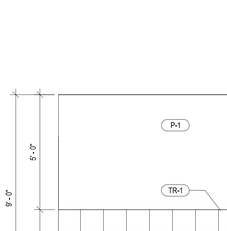
3/8" = 1'-0"



9 LVL 6 606 SOUTH ELEVATION - RR TYP.
3/8" = 1'-0"



10 LVL 6 606 WEST ELEVATION - RR TYP.
3/8" = 1'-0"

11 LVL 6 625 ENLARGED PLAN - RR TYP.
3/8" = 1'-0"

12 LVL 6 625 EAST ELEVATION - RR TYP.
3/8" = 1'-0"

13 LVL 6 625 NORTH ELEVATION - RR TYP.
3/8" = 1'-0"

14 LVL 6 625 WEST ELEVATION - RR TYP.
3/8" = 1'-0"

15 LVL 6 625 SOUTH ELEVATION - RR TYP.
3/8" = 1'-0"

16 LVL 6 627 ENLARGED PLAN - STAFF RR
3/8" = 1'-0"

17 LVL 6 627 EAST ELEVATION - STAFF RR
3/8" = 1'-0"

18 LVL 6 627 NORTH ELEVATION - STAFF RR
3/8" = 1'-0"

19 LVL 6 627 WEST ELEVATION - STAFF RR
3/8" = 1'-0"

20 LVL 6 627 SOUTH ELEVATION - STAFF RR
3/8" = 1'-0"

21 LVL 6 PD602 ENLARGED PLAN - LOBBY RR
3/8" = 1'-0"

22 LVL 6 PD602 NORTH ELEVATION - LOBBY RR
3/8" = 1'-0"

23 LVL 6 PD602 WEST ELEVATION - LOBBY RR
3/8" = 1'-0"

24 LVL 6 PD602 SOUTH ELEVATION - LOBBY RR
3/8" = 1'-0"

25 LVL 6 PD602 EAST ELEVATION - LOBBY RR
3/8" = 1'-0"

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ENLARGED FLOOR PLANS AND ELEVATIONS

4 REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:
1. PLAN REVISION

A-406

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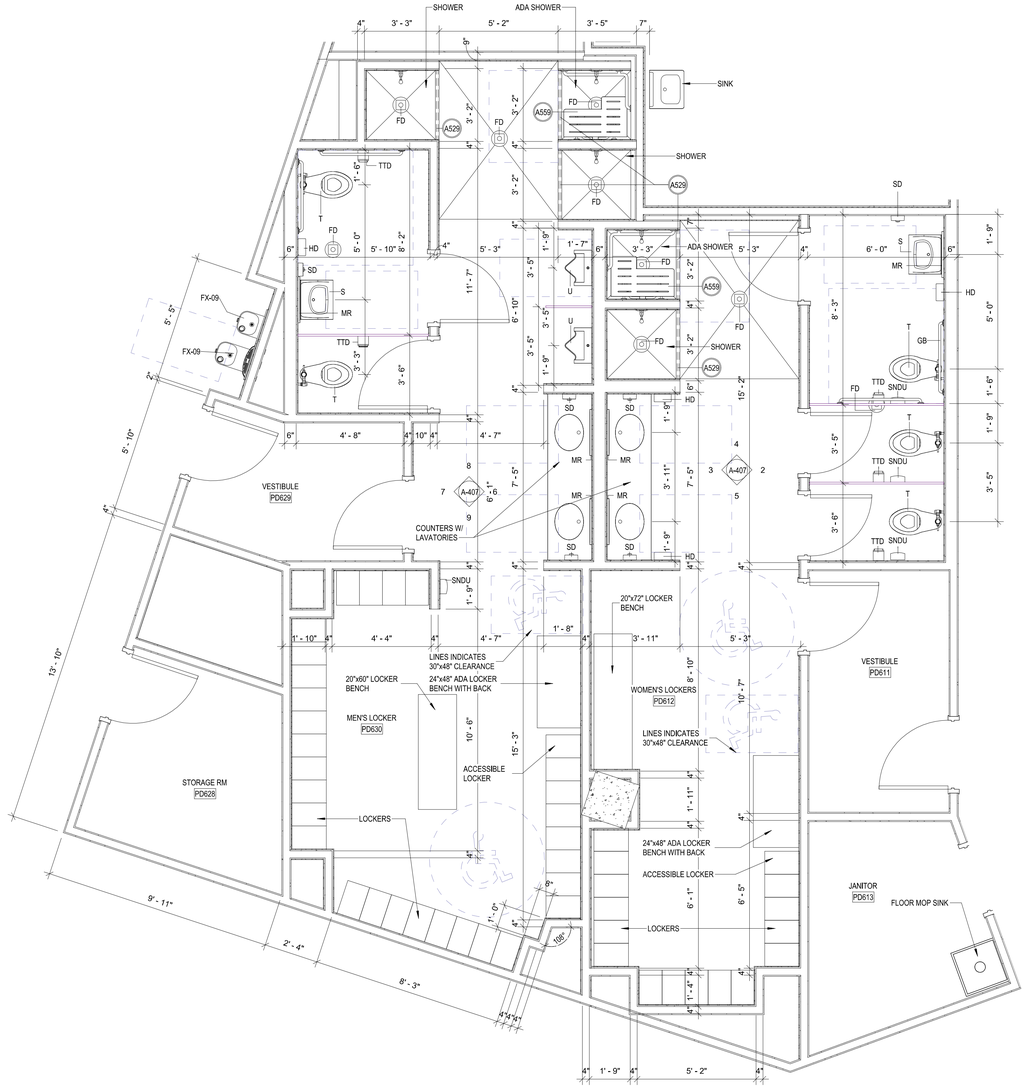
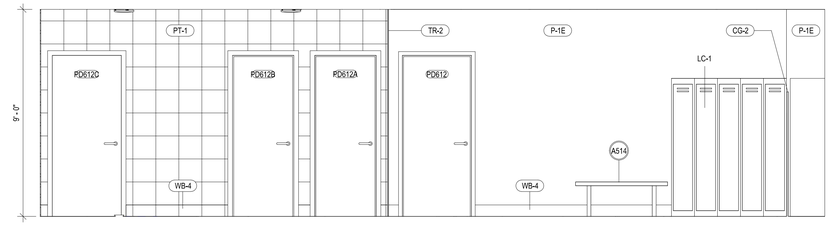
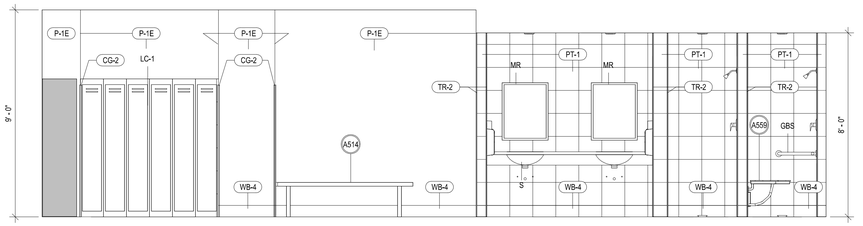


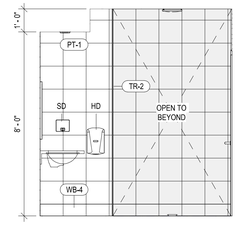
1 LVL 6 PD612 & PD630 ENLARGED PLAN - LOCKER ROOMS
3/8" = 1'-0"



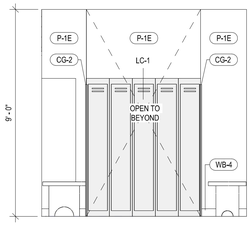
2 LVL 6 PD612 EAST ELEVATION - WOMEN'S LOCKERS
3/8" = 1'-0"



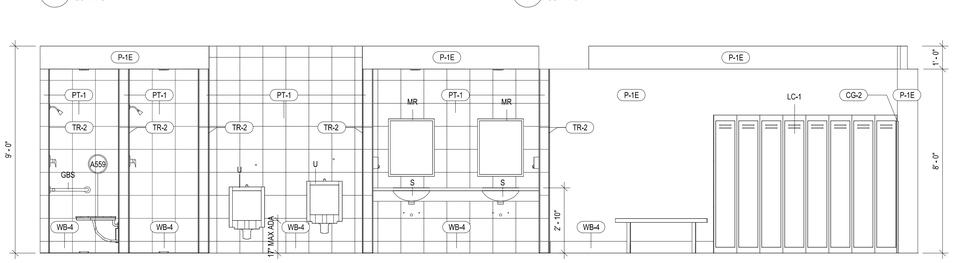
3 LVL 6 PD612 WEST ELEVATION - WOMEN'S LOCKERS
3/8" = 1'-0"



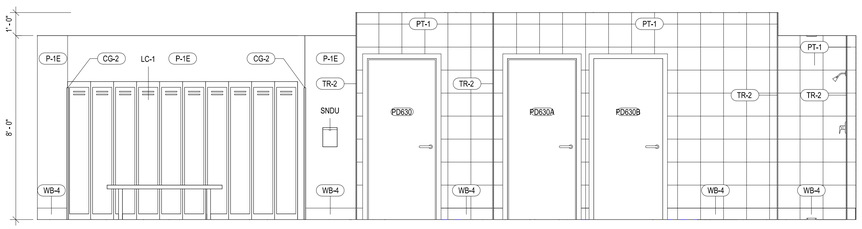
4 LVL 6 PD612 NORTH ELEVATION - WOMEN'S LOCKERS
3/8" = 1'-0"



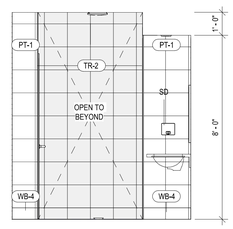
5 LVL 6 PD612 SOUTH ELEVATION - WOMEN'S LOCKERS
3/8" = 1'-0"



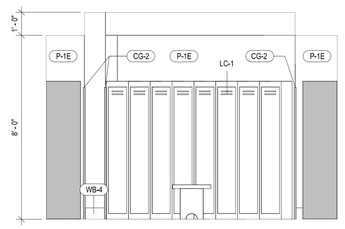
6 LVL 6 PD630 EAST ELEVATION - MEN'S LOCKERS
3/8" = 1'-0"



7 LVL 6 PD630 WEST ELEVATION - MEN'S LOCKERS
3/8" = 1'-0"



8 LVL 6 PD630 NORTH ELEVATION - MEN'S LOCKERS
3/8" = 1'-0"



9 LVL 6 PD630 SOUTH ELEVATION - MEN'S LOCKERS
3/8" = 1'-0"

GENERAL NOTES - INTERIORS

1. SEE SHEET A-401 FOR ALL INTERIORS GENERAL NOTES.

SPECIFIC KEYNOTES - INTERIOR ELEVATIONS

NUMBER	DESCRIPTION
A514	FURNITURE BY OTHER
A529	ROD AND SHOWER CURTAIN
A559	ADA FOLDING SHOWER BENCH

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WJ 2312

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12/11/2024

REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
4	Plan Review	06/30/25

ENLARGED FLOOR PLANS AND ELEVATIONS

A-407

4 REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:
1. PLAN REVISION

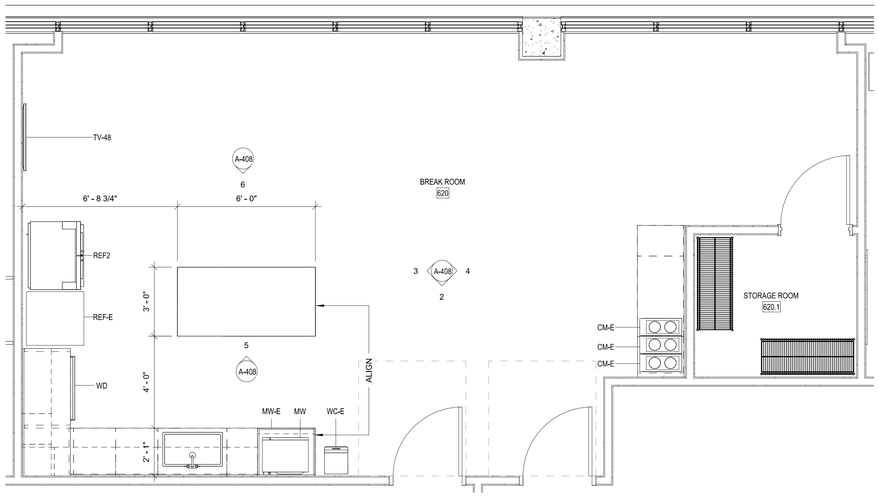
TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

GENERAL NOTES - INTERIORS

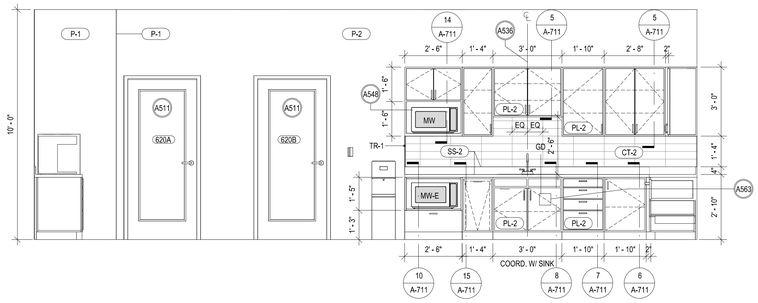
1. SEE SHEET A-401 FOR ALL INTERIORS GENERAL NOTES.

SPECIFIC KEYNOTES - INTERIOR ELEVATIONS

NUMBER	DESCRIPTION
A509	SHADE POCKET 6"
A511	REFER TO DOOR SCHEDULE
A513	WALL MOUNTED SHELF WITH CONCEALED SUPPORT BRACKETS
A536	BACKSPLASH TILE CENTERED ON SINK
A539	WALL MOUNTED TV WITH FIXED BRACKET. 4" MAXIMUM PROTRUSION FOR ADA COMPLIANCE.
A548	COORDINATE MILLWORK WITH EQUIPMENT
A550	BACKSPLASH TILE CENTERED ON COUNTER
A563	ENSURE SINK IS STILL ADA COMPLIANT WITH GARBAGE DISPOSAL.



1 620 ENLARGED PLAN - BREAK ROOM
3/8" = 1'-0"



2 620 SOUTH ELEVATION - BREAK ROOM
3/8" = 1'-0"

3 620 WEST ELEVATION - BREAK ROOM
3/8" = 1'-0"

4 620 EAST ELEVATION - BREAK ROOM
3/8" = 1'-0"

5 620 NORTH ELEVATION - BREAK ROOM ISLAND
3/8" = 1'-0"

6 620 SOUTH ELEVATION - BREAK ROOM ISLAND
3/8" = 1'-0"

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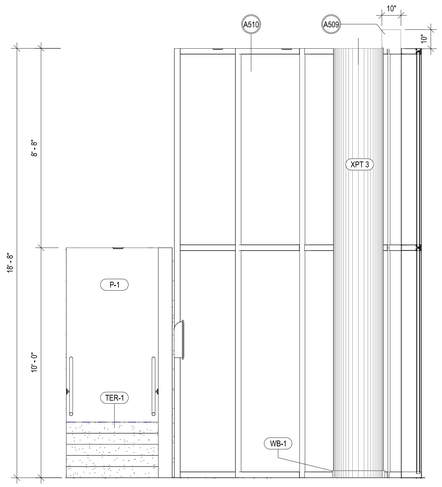
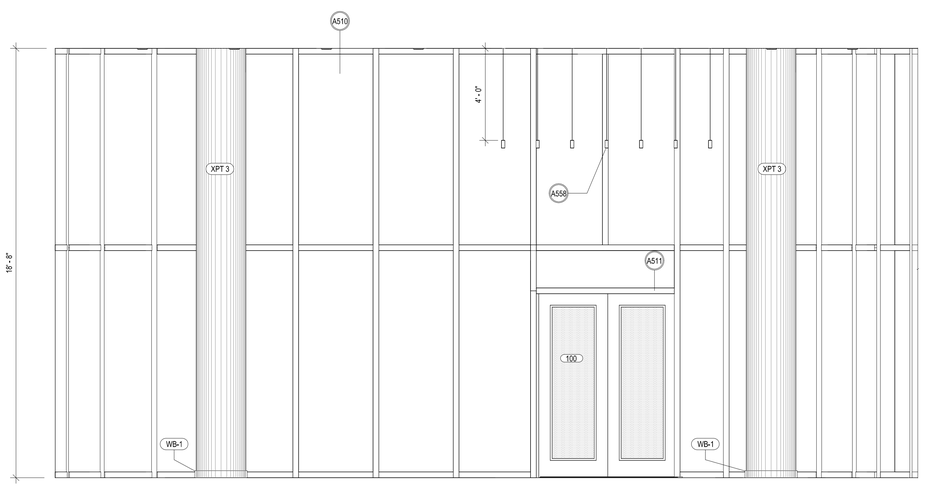


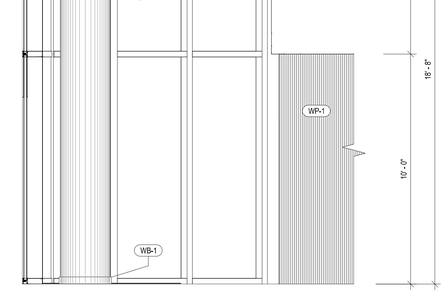
1 LVL 1 - ENTRY LOBBY 100 - NORTH ELEVATION
3/8" = 1'-0"



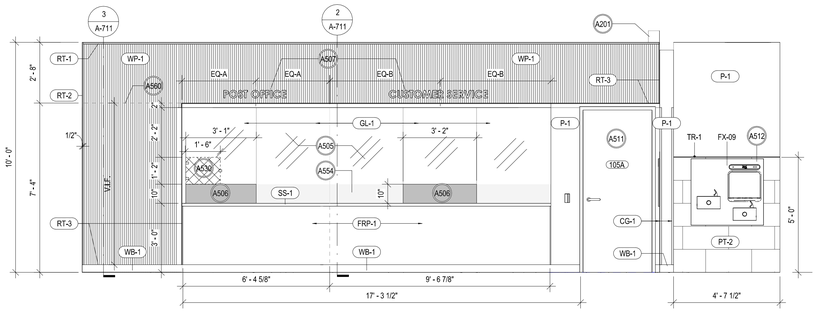
2 LVL 1 ENTRY LOBBY 100 - EAST ELEVATION
3/8" = 1'-0"

3 LVL 1 ENTRY LOBBY 100 - SOUTH ELEVATION
3/8" = 1'-0"

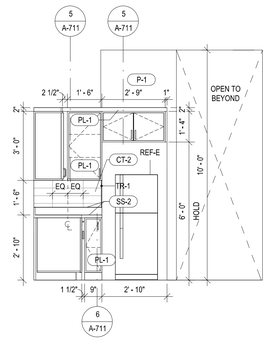
4 LVL 1 ENTRY LOBBY 100 - WEST ELEVATION
3/8" = 1'-0"



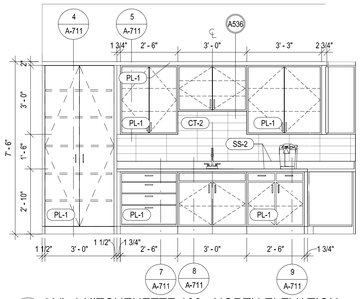
5 LVL 1 ELEVATOR LOBBY 100.1 - NORTH ELEVATION
3/8" = 1'-0"



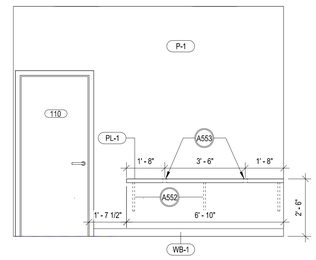
6 LVL 1 ELEVATOR LOBBY 100.1 - SOUTH ELEVATION
3/8" = 1'-0"



7 LVL 1 KITCHENETTE 108 - EAST ELEVATION
3/8" = 1'-0"



8 LVL 1 KITCHENETTE 108 - NORTH ELEVATION
3/8" = 1'-0"



9 LVL 1 BUILDING REVIEWER WORKROOM 109 - WEST ELEVATION
3/8" = 1'-0"

GENERAL NOTES - INTERIORS

1. ALL EXPOSED SURFACES SHALL BE FINISHED. VERIFY FINISH WITH THE INTERIOR DESIGNER WHERE THE FINISH IS NOT INDICATED OR IS UNCLEAR.

2. ALL FLOOR FINISH CHANGES SHALL OCCUR UNDER THE CENTERLINE OF DOORS IN THE CLOSED POSITION, ALL FLOORING TO RUN UNDERNEATH MILLWORK, DOOR REVEALS, CLOSETS AND SIMILAR OPENINGS. SCRIBE, CUT AND FIT FLOORING TO PIPES, PERMANENT FIXTURES AND FLOOR RECEPTACLES PRIOR TO INSTALLATION.

3. STAIRWELL: SEE SHEETS (***A-604***) FOR STAIRWELL DETAILS.

4. PAINT HOLLOW METAL DOOR FRAMES (***P-1***) OR (***TO MATCH ADJACENT WALL***).

5. PAINT INTERIOR (***STEEL, HOLLOW METAL, WOODEN***) DOOR (***P-1***).

6. WINDOW SILLS TO BE ***SSM1*** (ONLY USE IF SOLID SURFACE WINDOW SILL ARE BEING USED).

7. ELEVATOR FINISHES: (SEE SHEET ***A-602*** FOR ELEVATIONS & DETAILS): MANUFACTURE; OTIS
   FOR ELEVATORS EL-1 & EL-2:
   FLOOR: PORCELAIN TILE (PT-2), SEE FINISH LEGEND, SHEET ID-100
   WALLS: PREMIUM LAMINATE: WALNUT HEIGHTS 7965
   HANDRAILS: STAINLESS STEEL
   CEILING: STAINLESS STEEL
   FOR ELEVATOR EL-3 & EL-4:
   FLOOR: PORCELAIN TILE 12"X12", STYLE TBD
   WALLS: STANDARD FINISHES; RIGIDIZED STAINLESS STEEL 5WL
   HANDRAILS: STAINLESS STEEL
   CEILING: STAINLESS STEEL

8. 803.1.1 "INTERIOR WALL AND CEILING FINISH MATERIALS"
   INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84 OR UL 723. SUCH INTERIOR FINISH MATERIALS SHALL BE GROUPED IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLAME SPREAD AND SMOKE-DEVELOPED INDEXES.
   CLASS A = FLAME SPREAD INDEX 0-25; SMOKE-DEVELOPED INDEX 0-450.
   CLASS B = FLAME SPREAD INDEX 26-75; SMOKE-DEVELOPED INDEX 0-450.
   CLASS C = FLAME SPREAD INDEX 76-200; SMOKE-DEVELOPED INDEX 0-450.
   (EXCEPTION: MATERIALS TESTED IN ACCORDANCE WITH SECTION 803.1.2)

   TABLE 803.9 "INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANY" (REF. SHEET (G-103)

9. FLOORING TRANSITIONS OCCURRING IN THE DOORWAY TO BE CENTERED ON THE CLOSED DOOR WITH THE TRANSITION STRIP NOT VISIBLE. FOLLOW FLORIDA BUILDING CODE REQUIREMENTS ON ACCESSIBILITY (SECTION 303 - CHANGES IN LEVEL FOR ALL ADA REQUIREMENTS).
   FLOORING TRANSITIONS:
   PT TO CPT: SCHLUTER SYSTEM; STYLE: RENO-U; FINISH: SATIN ANODIZED ALUMINUM (3/8" TO 1/4")
   PT TO LVT: SCHLUTER SYSTEM; STYLE: RENO-U; FINISH: SATIN ANODIZED ALUMINUM (3/8" TO 1/8")
   PT TO CS: SCHLUTER SYSTEM; STYLE: RENO-U; FINISH: SATIN ANODIZED ALUMINUM (3/8" TO CONCRETE FLOOR)
   CPT TO LVT: TARKETT; STYLE: METAL EDGE 001 ME-001; COLOR: IRONSTONE #178 (1/4" TO 1/8")
   CS TO TER: SATIN ANODIZED ALUMINUM METAL STRIP (CONCRETE TO TERRAZO)
   LVT TO TER: SATIN ANODIZED ALUMINUM METAL STRIP (1/8" TO TERRAZO FLOOR)
   LVT TO CS: TARKETT RUBBER REDUCER; STYLE: RRS-XX-C; COLOR: TOAST #283 (1/8" TO CONCRETE FLOOR)
   RT TO CS: TARKETT RUBBER REDUCER; STYLE: CRS-XX-B; COLOR: BLACK #40 (3/8" TO CONCRETE FLOOR)
   TER TO WALK-OFF MAT; SATIN ANODIZED ALUMINUM METAL STRIP

10. SEE ENLARGED PLANS/ INTERIOR ELEVATIONS FOR WALL TILE DESIGNATION.

11. (⊛) FLOORING TRANSITION LOCATIONS.

12. ALL WALL TO BE PAINTED P-1 U.O.N

13. SEE KEY NOTE ID07 FOR SPECIFIC INSTALLATION REQUIREMENTS FOR EPOXY FLOORING (F FQ-1) AT FIRE STATION APPARATUS BAY.

SPECIFIC KEYNOTES - INTERIOR ELEVATIONS

NUMBER	DESCRIPTION
A201	SHADOW COVE DETAIL, SEE DETAIL SHEET A-715
A505	CLEAR ACRYLIC GLASS BARRIER
A506	TRANSACTION OPENING
A507	REFER TO INTERIOR SIGNAGE SHEET A-717
A509	SHADE POCKET 6"
A510	REFER STOREFRONT SCHEDULE
A511	REFER TO DOOR SCHEDULE
A512	REFER TO MOUNTING HEIGHT SHEET
A530	LOCKABLE DOOR OPENING WITHIN GLASS BARRIER FOR LARGE PACKAGES
A536	BACKSPLASH TILE CENTERED ON SINK
A539	WALL MOUNTED TV WITH FIXED BRACKET, 4" MAXIMUM PROTRUSION FOR ADA COMPLIANCE.
A552	CONCEALED SUPPORT BRACKETS
A553	GROMMET LOCATION, COLOR TO MATCH ADJACENT WORKSURFACE
A554	FROSTED GLASS FILM
A558	SUSPENDED LINEAR PENDANT; SEE SCHEDULE 'A' SHEET A/210, MIDDLE PENDANT O.C. AT ENTRANCE DOOR.
A560	WALL PANEL CUT LINE TO MATCH ADJACENT PANEL.
A561	WALL PANEL CUT LINE. CONTINUE THIS CUT LINE TO PERPENDICULAR WALL PANEL.

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PROFESSIONAL ARCHITECT · MARCEL R. MORLOTE · 9564 · STATE OF FLORIDA

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FL. ARCH. REG. NO. 9564
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INTERIOR ELEVATIONS

4
REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:
1. PLAN REVISION

A-500

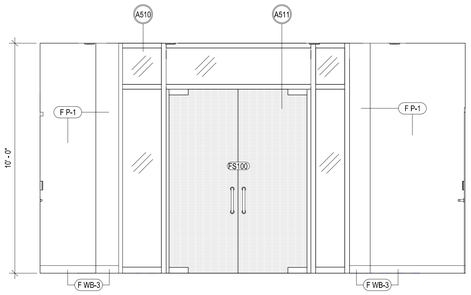
TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

GENERAL NOTES - INTERIORS

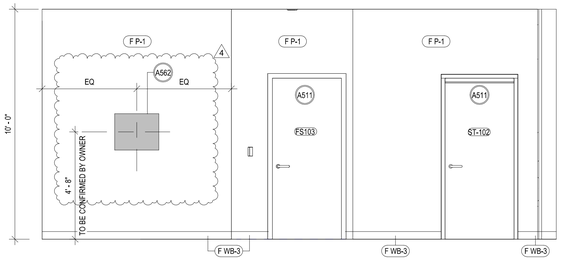
1. SEE SHEET A-500 FOR ALL INTERIORS GENERAL NOTES.

SPECIFIC KEYNOTES - INTERIOR ELEVATIONS

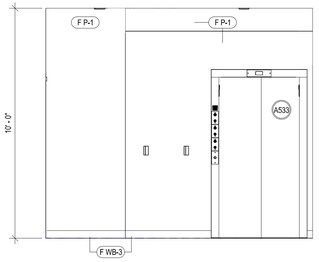
NUMBER	DESCRIPTION
A510	REFER STOREFRONT SCHEDULE
A511	REFER TO DOOR SCHEDULE
A512	REFER TO MOUNTING HEIGHT SHEET
A514	FURNITURE BY OTHER
A515	SEE EQUIPMENT PLAN FOR DETAILS, SHEET SERIES ID-300
A532	PAINT COLOR CHANGE LINE
A533	SEE GENERAL NOTE #7 SHEET A-500 FOR ELEVATOR FINISHES
A534	REFER TO INTERIOR WINDOW SCHEDULE SHEET A-810
A535	REFER TO ENLARGED PLANS/ELEVATIONS FOR MILLWORK FINISHES AND EQUIPMENT, SHEET SERIES A-400
A562	FIRE STATION BUILDING DEDICATION BRONZE PLAQUE, SEE BUILDING SIGNAGE SHEET 7/A-744.



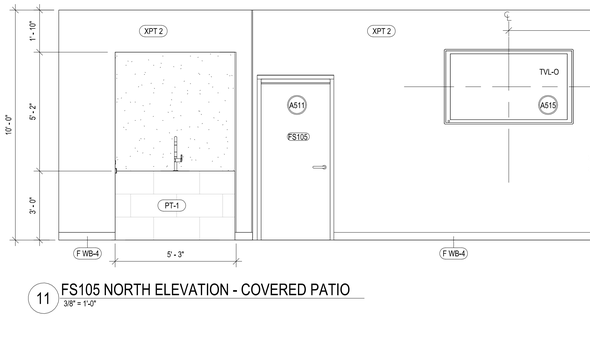
1 FS100 NORTH ELEVATION - PD LOBBY
3/8" = 1'-0"



2 FS100 EAST ELEVATION - PD LOBBY
3/8" = 1'-0"



3 FS100 SOUTH ELEVATION - PD LOBBY
3/8" = 1'-0"



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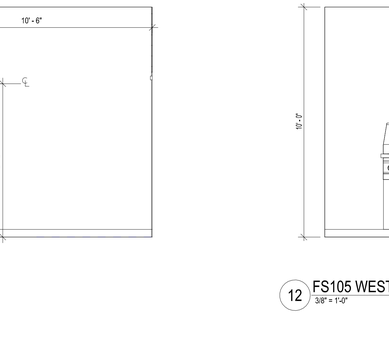
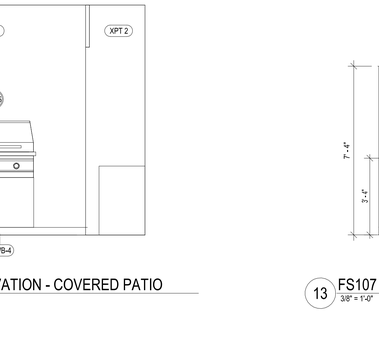
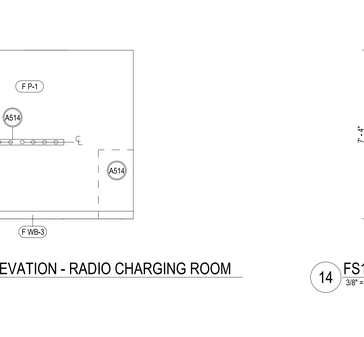
3/8" = 1'-0"



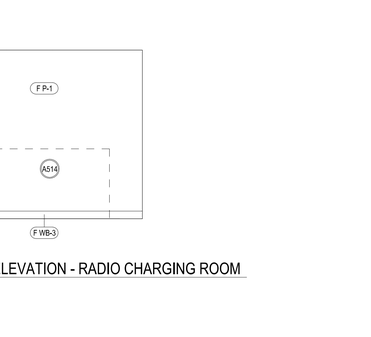
5 FS101 NORTH ELEVATION - RECEPTION
3/8" = 1'-0"



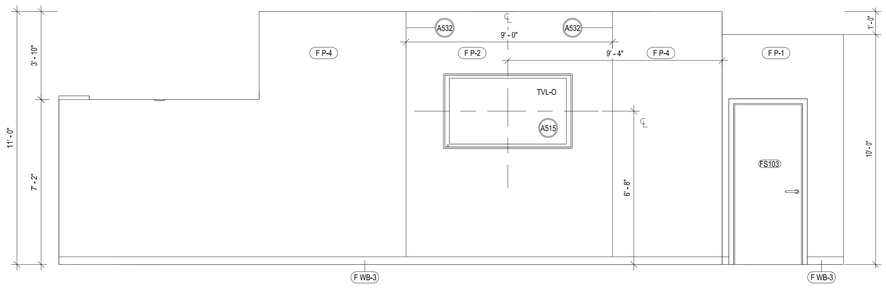
6 FS101 EAST ELEVATION - RECEPTION
3/8" = 1'-0"



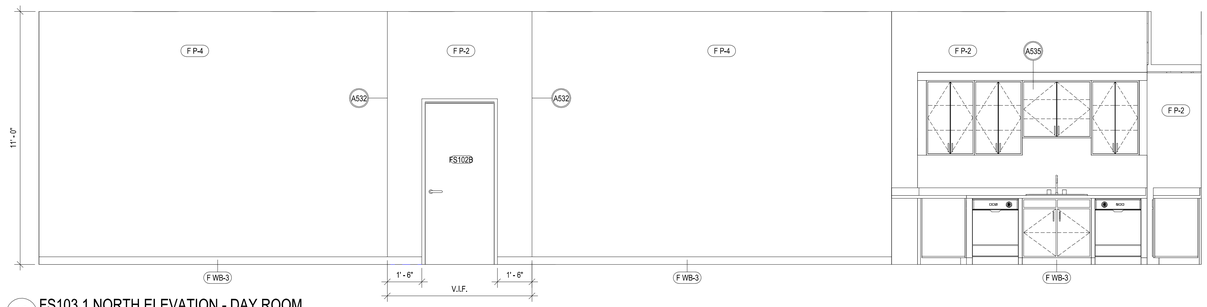
7 FS101 SOUTH ELEVATION - RECEPTION
3/8" = 1'-0"



8 FS101 WEST ELEVATION - RECEPTION
3/8" = 1'-0"

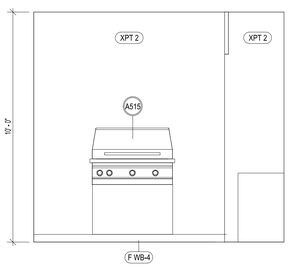


9 FS103.1 WEST ELEVATION - DAY ROOM
3/8" = 1'-0"



10 FS103.1 NORTH ELEVATION - DAY ROOM
3/8" = 1'-0"

11 FS105 NORTH ELEVATION - COVERED PATIO
3/8" = 1'-0"



12 FS105 WEST ELEVATION - COVERED PATIO
3/8" = 1'-0"

13 FS107 SOUTH ELEVATION - RADIO CHARGING ROOM
3/8" = 1'-0"

14 FS107 WEST ELEVATION - RADIO CHARGING ROOM
3/8" = 1'-0"

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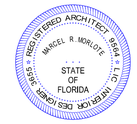

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INTERIOR ELEVATIONS

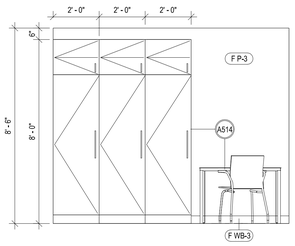
A-501

GENERAL NOTES - INTERIORS

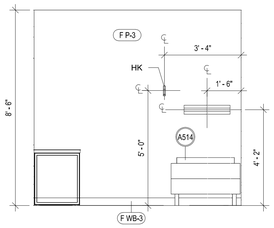
1. SEE SHEET A-500 FOR ALL INTERIORS GENERAL NOTES.

SPECIFIC KEYNOTES - INTERIOR ELEVATIONS

NUMBER	DESCRIPTION
A500	TV BY OWNER, PROVIDE DIRECT ELECT/AV CONNECTIONS, REFER TO ELECT.
A511	REFER TO DOOR SCHEDULE
A514	FURNITURE BY OTHER
A515	SEE EQUIPMENT PLAN FOR DETAILS, SHEET SERIES ID-300
A531	4" CONCRETE PAD POUR FOR CASEWORK, COORDINATE WITH CASEWORK



1 TYPICAL DORM RM
FS108 NORTH ELEVATION - DORM-1
3/8" = 1'-0"



2 TYPICAL DORM RM
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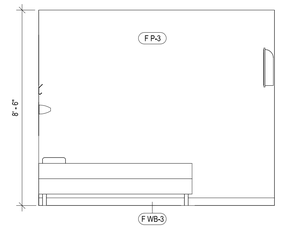
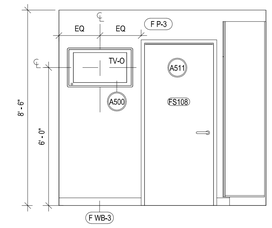


3 TYPICAL DORM RM
FS108 SOUTH ELEVATION - DORM-1
3/8" = 1'-0"



4 TYPICAL DORM RM
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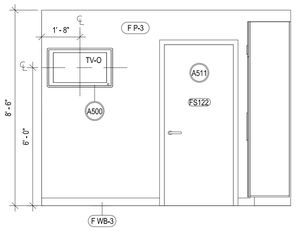

5 FS122 NORTH ELEVATION - OIC DORM
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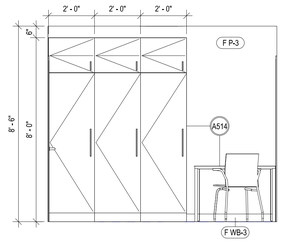

6 FS122 EAST ELEVATION - OIC DORM
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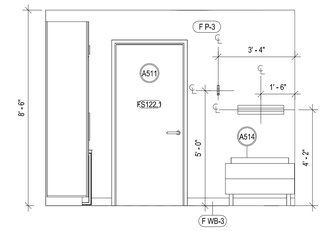

7 FS122 SOUTH ELEVATION - OIC DORM
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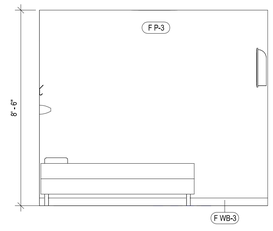

8 FS122 WEST ELEVATION - OIC DORM
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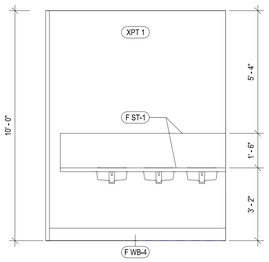
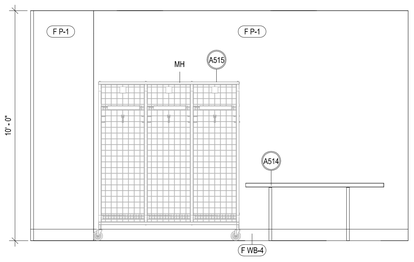
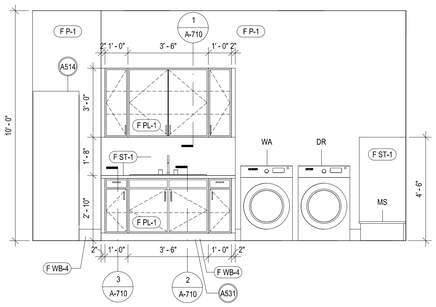


9 FS123 NORTH ELEVATION - DECON. ZONE
3/8" = 1'-0"



10 FS125 NORTH ELEVATION - WORK ROOM
3/8" = 1'-0"



11 FS125 SOUTH ELEVATION - WORK ROOM
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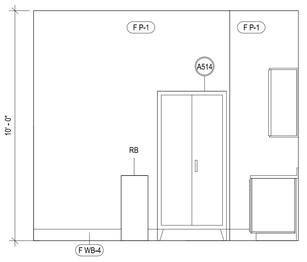
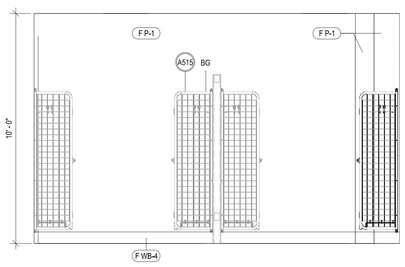
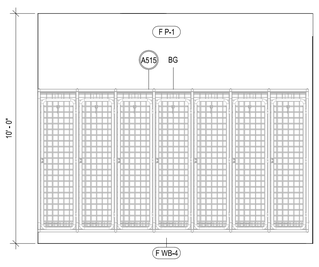


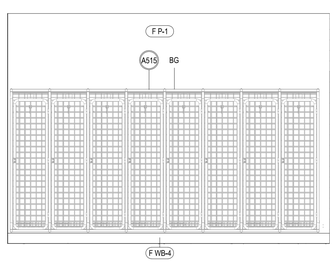
12 FS125 EAST ELEVATION - WORK ROOM
3/8" = 1'-0"



13 FS126 EAST ELEVATION - BUNKER GEAR ROOM
3/8" = 1'-0"



14 FS126 NORTH ELEVATION - BUNKER GEAR ROOM
3/8" = 1'-0"



15 FS126 SOUTH ELEVATION - BUNKER GEAR ROOM
3/8" = 1'-0"

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REGISTERED ARCHITECT MARCEL R. MORLOTE 9564 STATE OF FLORIDA INTERIOR DESIGNER

MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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Project Number
WJ 2312

DISTRIBUTION

12/11/2024

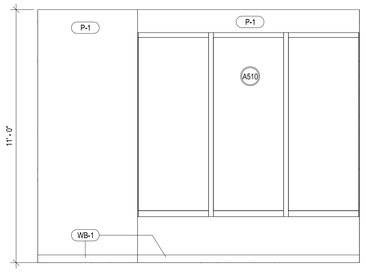
REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
2	Plan Review	12/20/24
4	Plan Review	06/30/25

INTERIOR ELEVATIONS

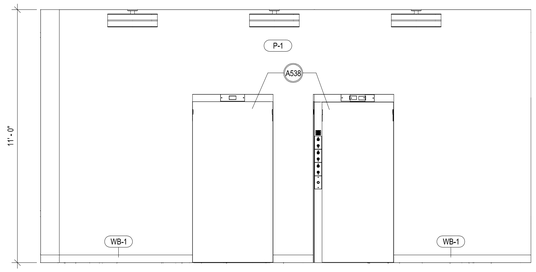
4
REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:
1. PLAN REVISION

A-502

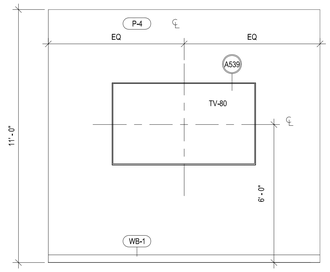
TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



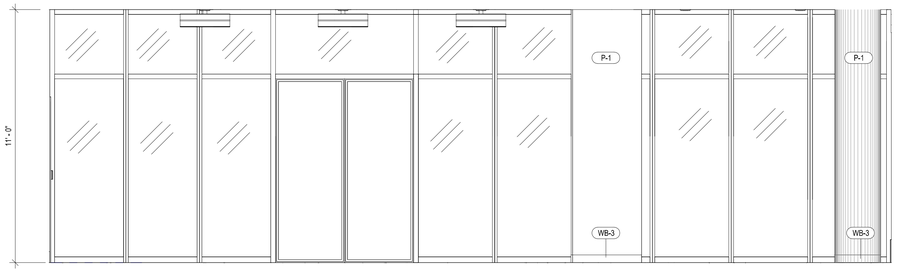
1 600.1 NORTH ELEVATION - PRE FUNCTION SPACE
3/8" = 1'-0"



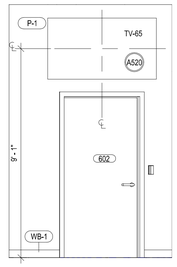
2 600 NORTH ELEVATION - CHAMBERS LOBBY
3/8" = 1'-0"



3 600.1 SOUTH ELEVATION - PRE FUNCTION SPACE
3/8" = 1'-0"



4 601 NORTH ELEVATION - CHAMBERS
3/8" = 1'-0"



5 601 NORTHWEST ELEVATION - CHAMBERS TV SIDE WALL
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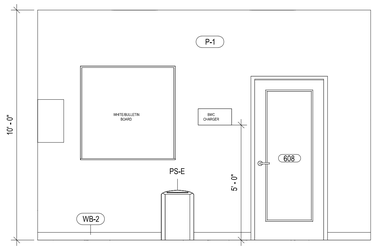
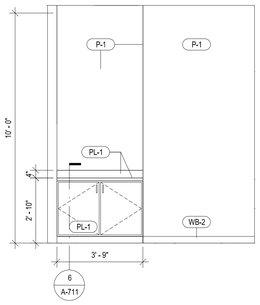
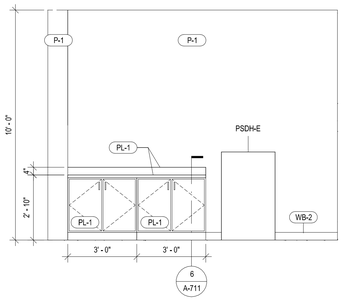


6 608 SOUTH ELEVATION - CODE ENFORCEMENT SHARED
3/8" = 1'-0"



7 612 EAST ELEVATION - COPY ROOM #1
3/8" = 1'-0"



8 635 WEST ELEVATION - COPY ROOM #2
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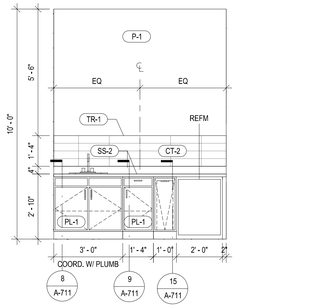
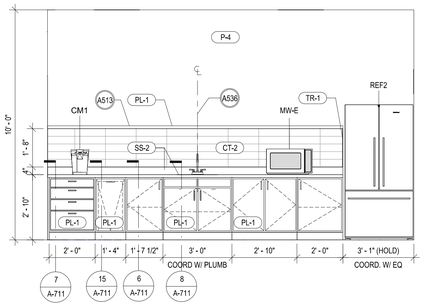
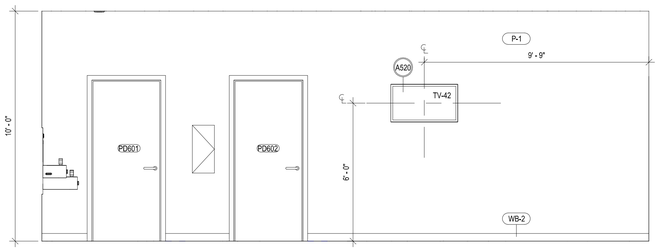


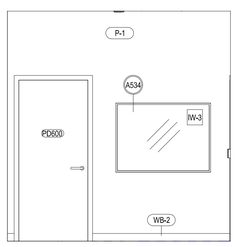
9 636 EAST ELEVATION - LACTATION ROOM
3/8" = 1'-0"



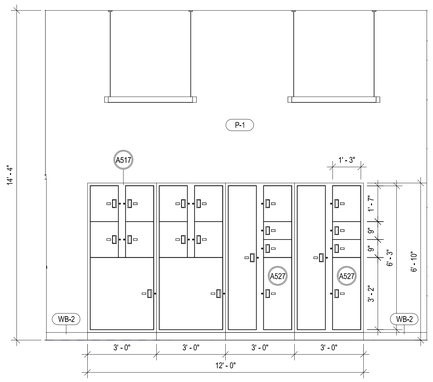
10 642 EAST ELEVATION - COFFEE ALCOVE
3/8" = 1'-0"



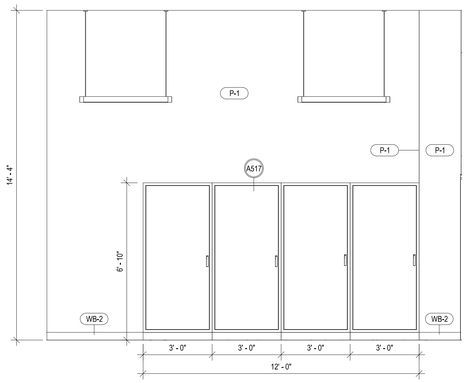
11 PD600 SOUTH ELEVATION - LOBBY
3/8" = 1'-0"



12 PD600 WEST ELEVATION - LOBBY
3/8" = 1'-0"



13 PD605 SOUTH ELEVATION - TEMP. EVIDENCE
3/8" = 1'-0"



14 PD606 NORTH ELEVATION - EVIDENCE SMALL ITEMS
3/8" = 1'-0"

GENERAL NOTES - INTERIORS

1. SEE SHEET A-500 FOR ALL INTERIORS GENERAL NOTES.

SPECIFIC KEYNOTES - INTERIOR ELEVATIONS

NUMBER	DESCRIPTION
A510	REFER STOREFRONT SCHEDULE
A513	WALL MOUNTED SHELF WITH CONCEALED SUPPORT BRACKETS
A517	PASS THROUGH LOCKERS
A520	WALL MOUNTED TV WITH ADJUSTABLE SWING BRACKET
A527	PASS THROUGH REFRIGERATOR
A534	REFER TO INTERIOR WINDOW SCHEDULE SHEET A-810
A536	BACKSPLASH TILE CENTERED ON SINK
A538	REFER TO SHEET A-500 GENERAL NOTE #7 FOR ELEVATOR SPECS AND FINISHES
A539	WALL MOUNTED TV WITH FIXED BRACKET. 4" MAXIMUM PROTRUSION FOR ADA COMPLIANCE.

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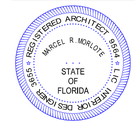

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Project Number
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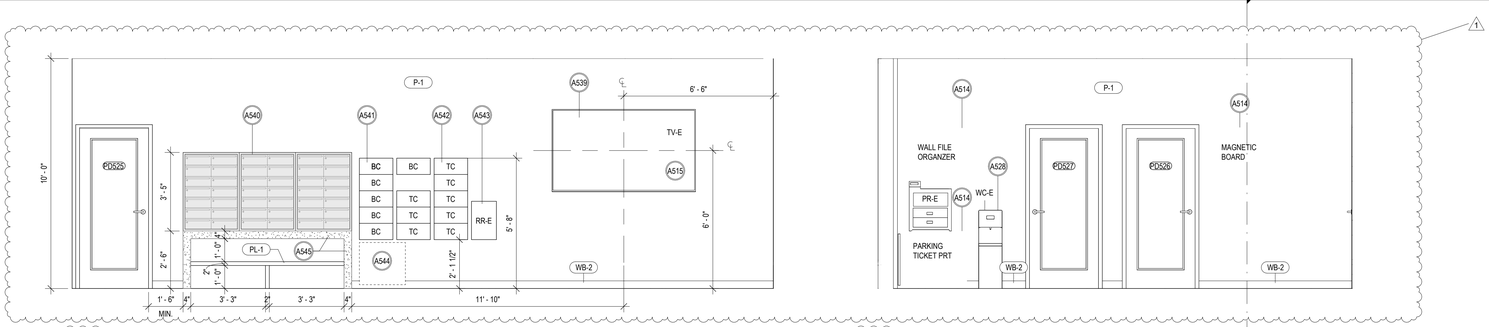
REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
4	Plan Review	06/30/25

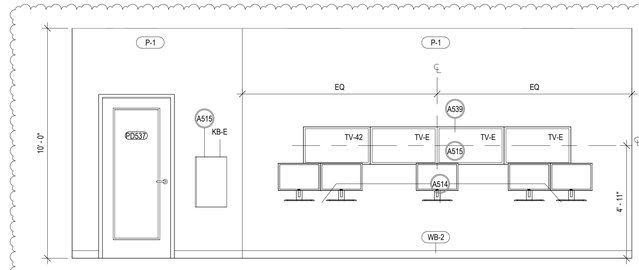
INTERIOR ELEVATIONS

A-503

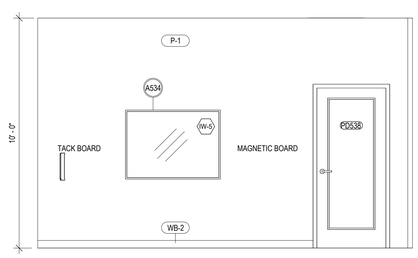


1 PD525 EAST ELEVATION - SQUAD ROOM
3/8" = 1'-0"

2 PD525 NORTH ELEVATION- SQUAD ROOM
3/8" = 1'-0"



3 PD537 SOUTH ELEVATION - COMMUNICATIONS
3/8" = 1'-0"



4 PD537 WEST ELEVATION - COMMUNICATIONS
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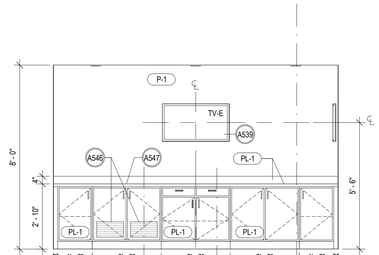

5 PD515 NORTH ELEVATION - CONFRENCE ROOM
3/8" = 1'-0"

GENERAL NOTES - INTERIORS

1. SEE SHEET A-500 FOR ALL INTERIORS GENERAL NOTES.

SPECIFIC KEYNOTES - INTERIOR ELEVATIONS

NUMBER	DESCRIPTION
A514	FURNITURE BY OTHER
A515	SEE EQUIPMENT PLAN FOR DETAILS, SHEET SERIES ID-300
A528	WATER DISPENSER WITH WATER LINE
A534	REFER TO INTERIOR WINDOW SCHEDULE SHEET A-810
A539	WALL MOUNTED TV WITH FIXED BRACKET
A540	NEW LOCATION FOR EXISTING MAILBOXES
A541	POLICE DEPARTMENT; BODY WORN CAMERA CHARGERS (BC). REFER TO EQUIPMENT SCHEDULE
A542	POLICE DEPARTMENT; TASER CHARGER (TC). REFER TO EQUIPMENT SCHEDULE
A543	POLICE DEPARTMENT; EXISTING RADIO CHARGER TO BE RELOCATED
A544	PROPOSED AREA FOR CONTROLLER BOX (WALL MOUNTED)
A545	GYPSUM WALL FRAME TO SUPPORT MAILBOX
A546	VENTILATION GRILL
A547	2" GROMMET LOCATION, COLOR TO MATCH ADJACENT FINISH

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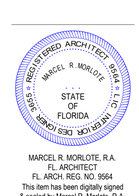

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

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11/12/2024 6:18:43 PM

Project Number
WJ 2312

DISTRIBUTION

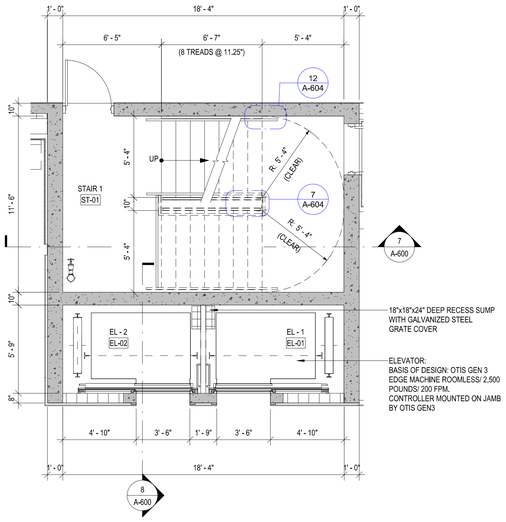
08/01/2024

REV	DESCRIPTION	DATE
1	Plan Review	11/08/24

INTERIOR ELEVATIONS

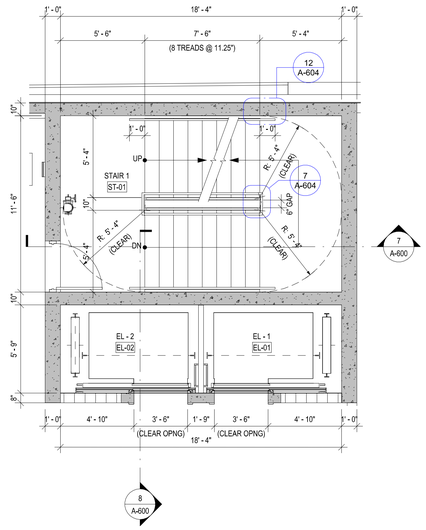
A-504

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



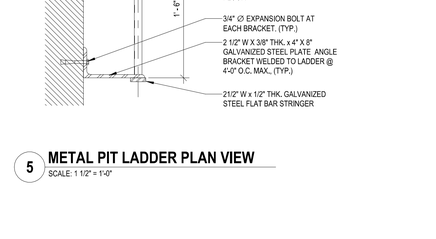
1 LEVEL 1 - STAIR #1 PLAN

SCALE: 1/4" = 1'-0"



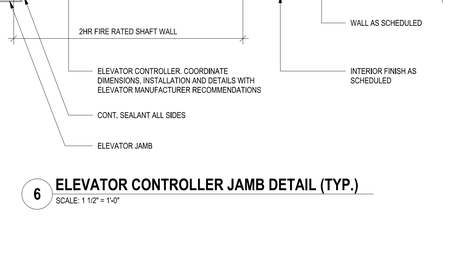
2 TYPICAL FLOOR LEVEL 2, 3 & 4 - STAIR #1 PLAN

SCALE: 1/4" = 1'-0"



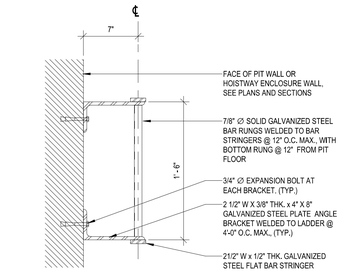
3 LEVEL 5 - STAIR #1 PLAN

1/4" = 1'-0"



4 LEVEL 6 - STAIR #1 PLAN

1/4" = 1'-0"

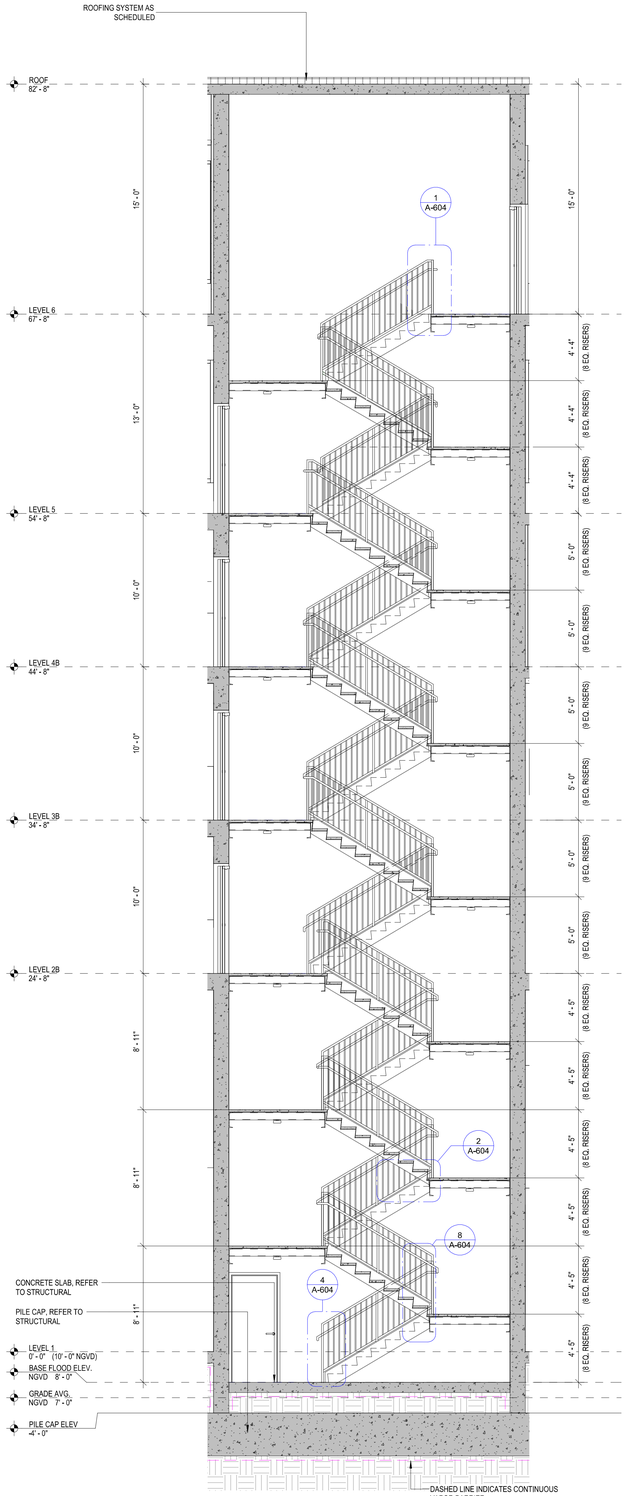


5 METAL PIT LADDER PLAN VIEW

SCALE: 1 1/2" = 1'-0"

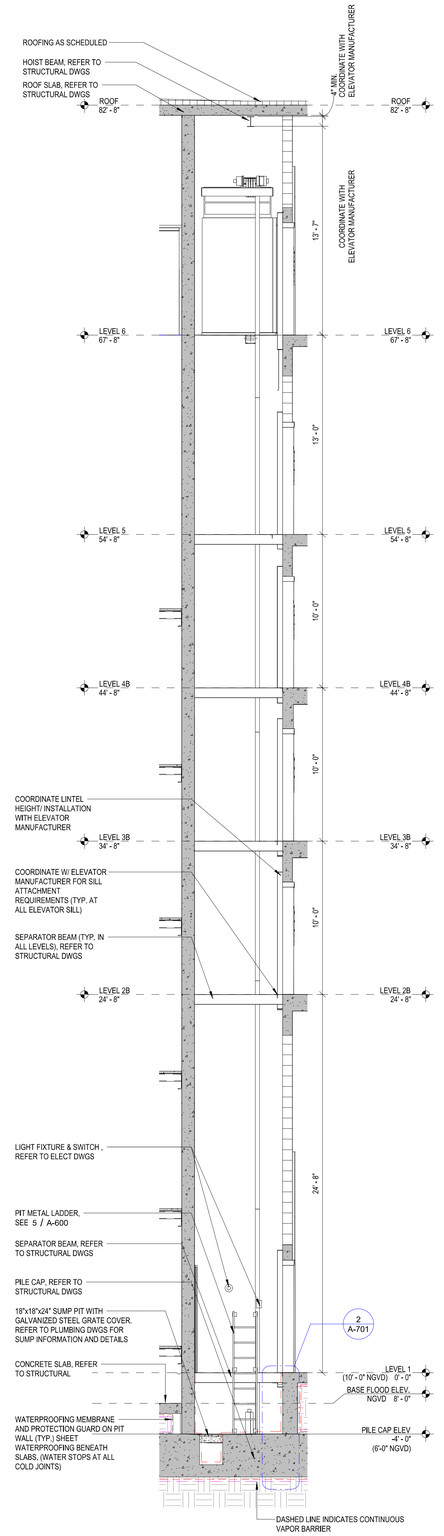
6 ELEVATOR CONTROLLER JAMB DETAIL (TYP.)

SCALE: 1 1/2" = 1'-0"



7 STAIR SECTION - STAIR #1

SCALE: 1/4" = 1'-0"



8 ELEVATOR SECTION

SCALE: 1/4" = 1'-0"

4

REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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Project Number
WJ 2312

DISTRIBUTION

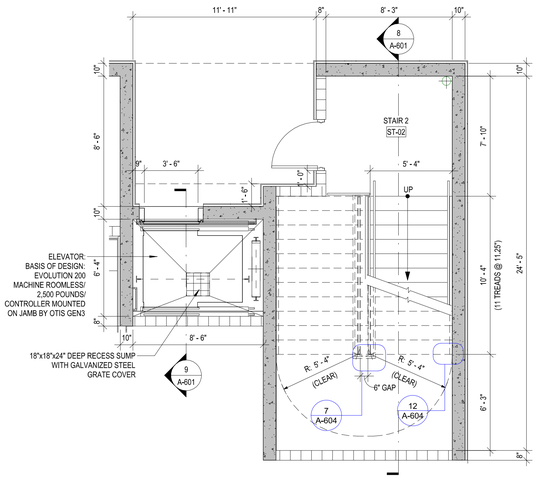
12/11/2024

REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
4	Plan Review	06/30/25

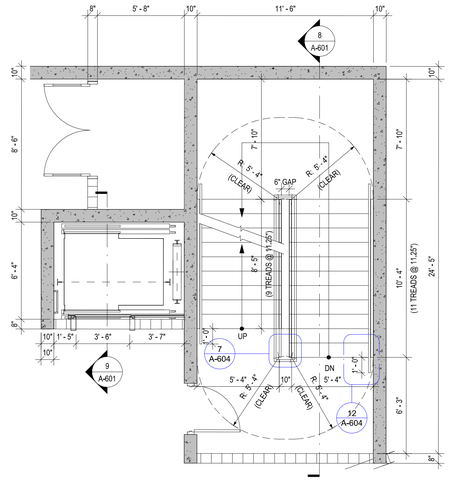
ENLARGED CORE #1 PLANS SECTIONS AND DETAILS

A-600

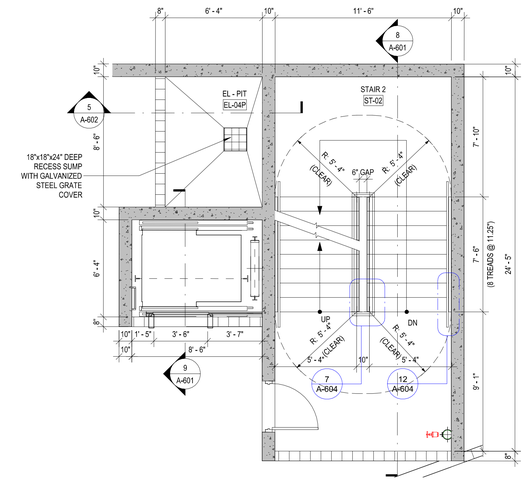
TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



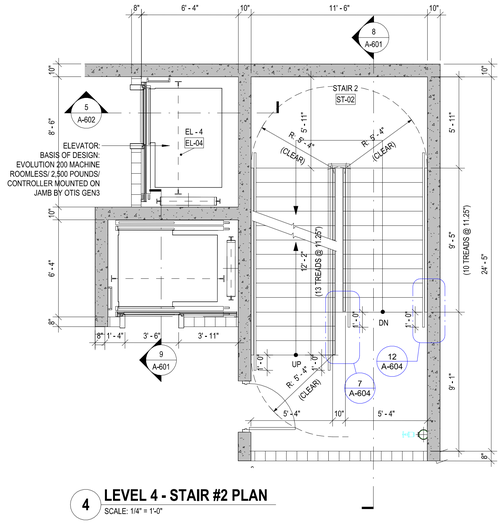
1 LEVEL 1 - STAIR #2 PLAN
SCALE: 1/4" = 1'-0"



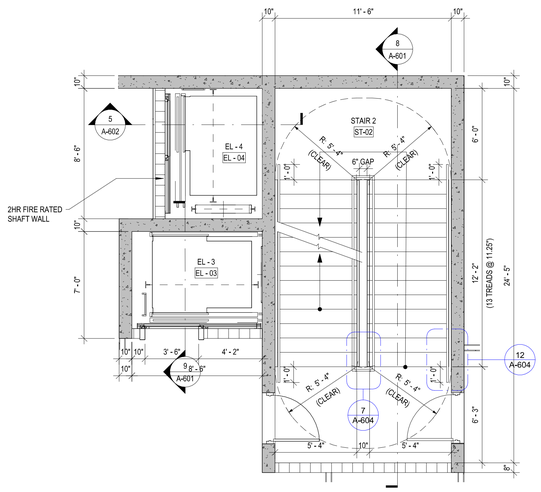
2 LEVEL 2 - STAIR #2 PLAN
SCALE: 1/4" = 1'-0"



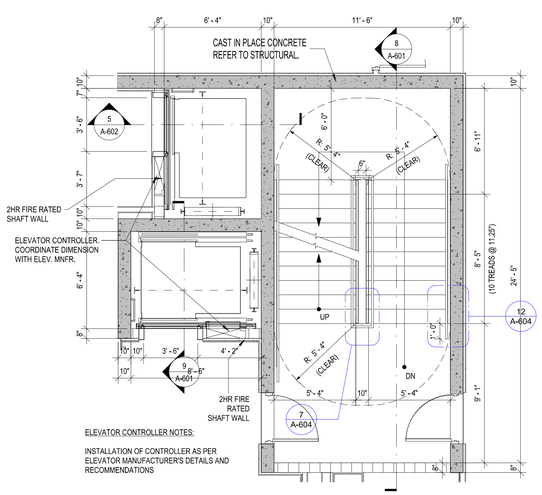
3 LEVEL 3 - STAIR #2 PLAN
SCALE: 1/4" = 1'-0"



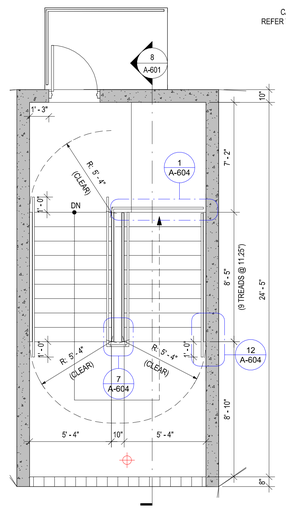
4 LEVEL 4 - STAIR #2 PLAN
SCALE: 1/4" = 1'-0"



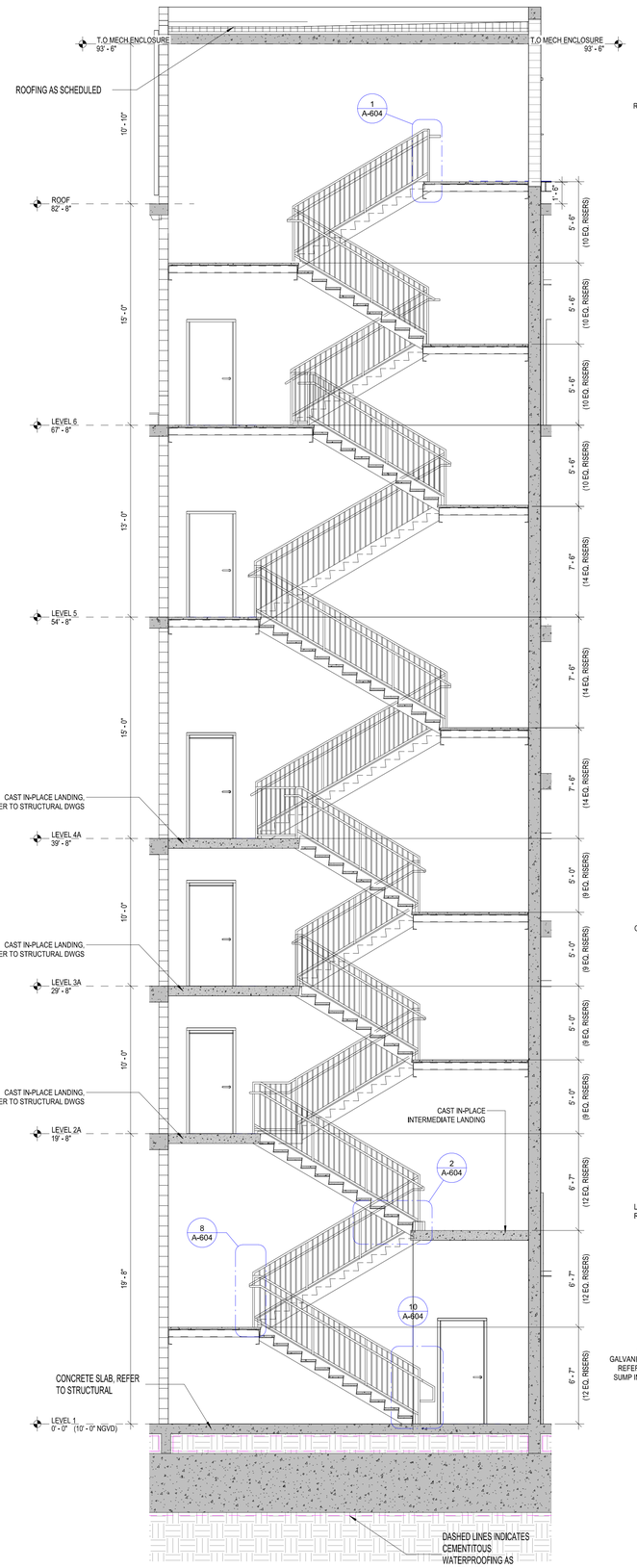
5 LEVEL 5 - STAIR #2 PLAN
SCALE: 1/4" = 1'-0"



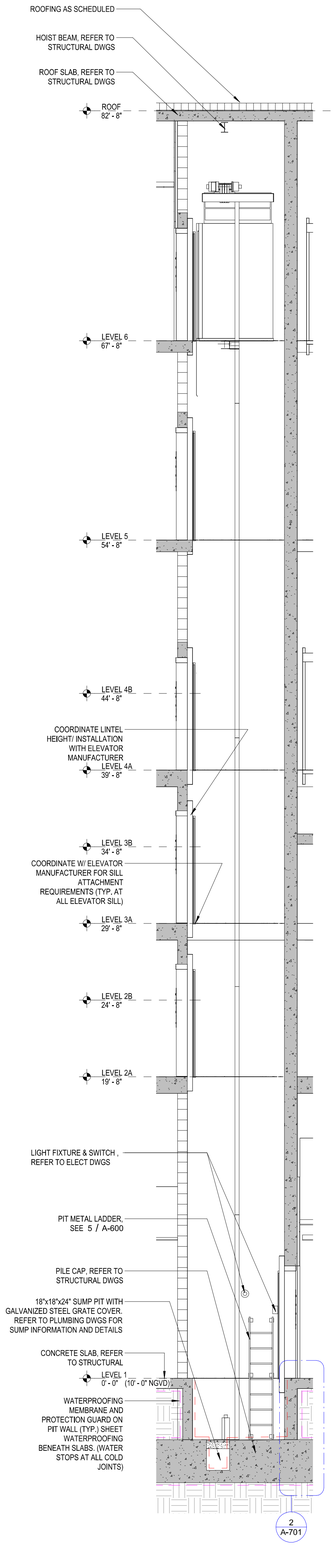
6 LEVEL 6 - STAIR #2 PLAN
SCALE: 1/4" = 1'-0"



7 ROOF LEVEL - STAIR #2
SCALE: 1/4" = 1'-0"



8 STAIR #2 - LONG
SCALE: 1/4" = 1'-0"



9 ELEVATOR #3 SECTION
SCALE: 1/4" = 1'-0"

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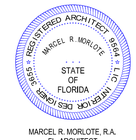

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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Project Number
WJ 2312

DISTRIBUTION
12/11/2024

REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
4	Plan Review	06/30/25

ENLARGED CORE #2 PLANS SECTIONS AND DETAILS

A-601

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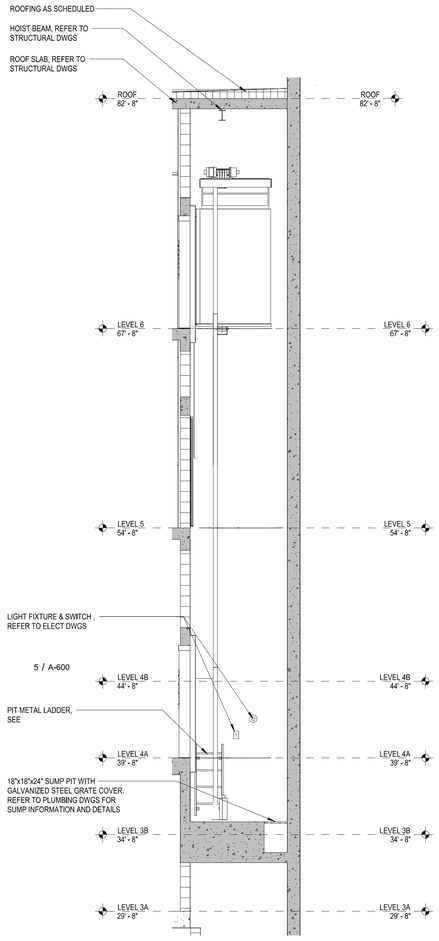
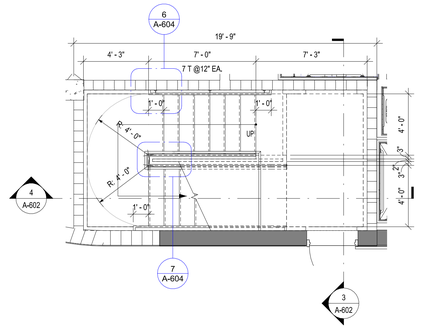
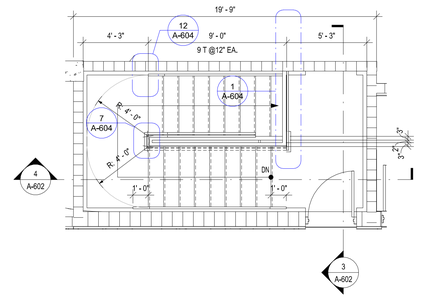


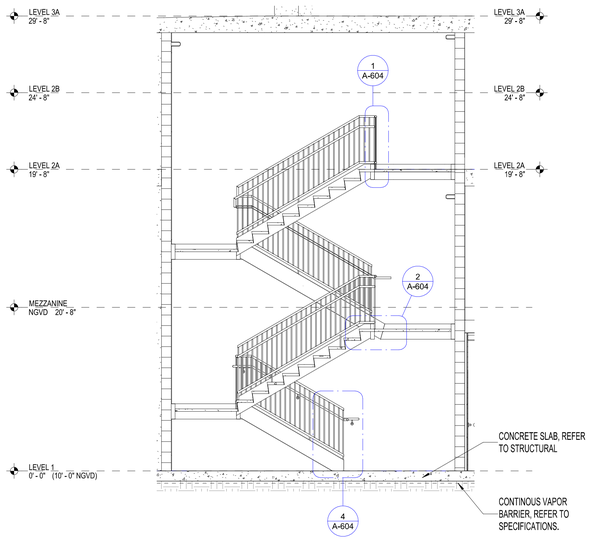
5 ELEVATOR #4 - CROSS
1/4" = 1'-0"



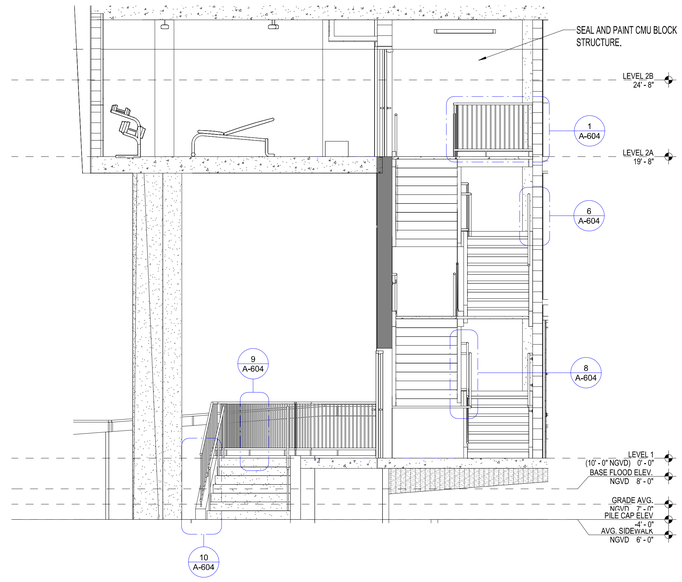
1 LEVEL 1 - STAIR #3 PLAN
1/4" = 1'-0"



2 LEVEL 2 - STAIR #3 PLAN
1/4" = 1'-0"



4 STAIR #3 - LONG
1/4" = 1'-0"



3 STAIR #3 - CROSS
1/4" = 1'-0"

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REV	DESCRIPTION	DATE
4	Plan Review	06/30/25

ENLARGED STAIR #3 PLANS SECTIONS AND DETAILS

A-602

4

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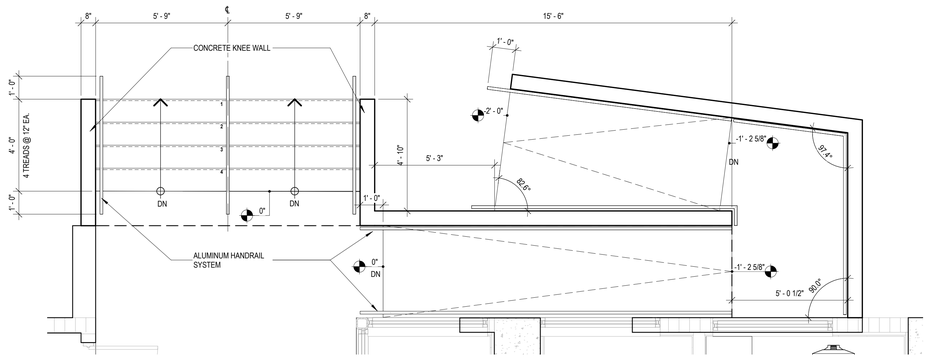
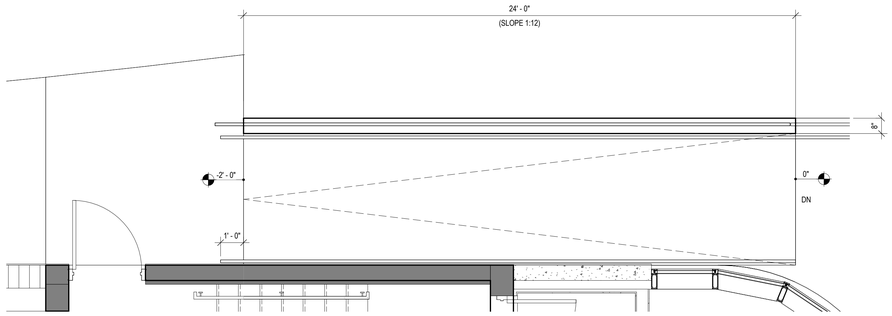
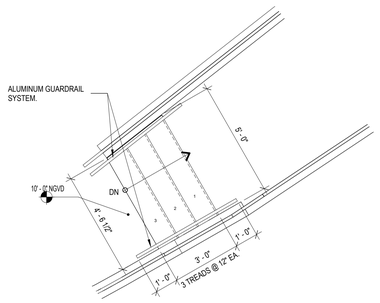


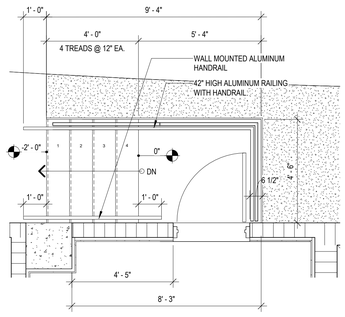
5 GROUND LEVEL - PD/FD ENTRANCE
3/8" = 1'-0"



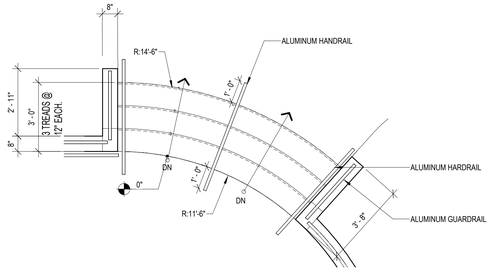
4 001 GROUND LEVEL - NORTH PEDESTRIAN RAMP
3/8" = 1'-0"



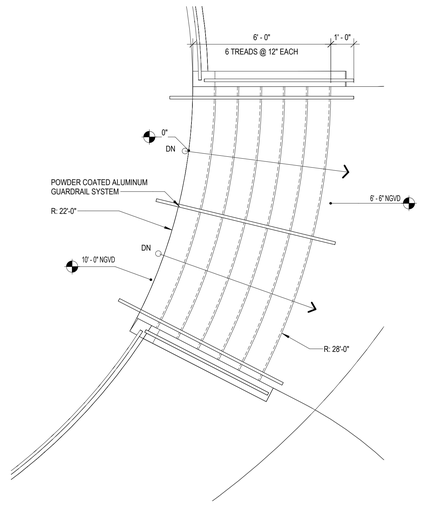
6 LEVEL 1 - ARCADE STAIR PLAN
3/8" = 1'-0"



3 GROUND LEVEL - ELECTRICAL ROOM STAIRS
3/8" = 1'-0"



2 GROUND LEVEL - PLAZA NORTH STAIR
3/8" = 1'-0"



1 GROUND LEVEL - PLAZA SOUTH STAIR
3/8" = 1'-0"

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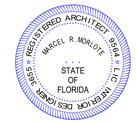

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FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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Project Number
WJ 2312

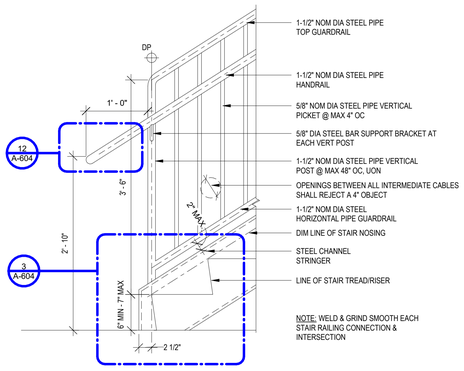
DISTRIBUTION
12/11/2024

REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
2	Plan Review	12/20/24
6	Plan Review	10/27/25

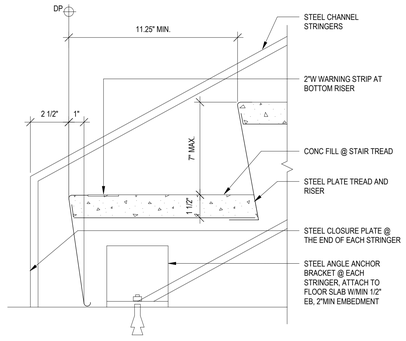
ENLARGED EXTERIOR STAIR & RAMPS PLANS AND SECTIONS

A-603

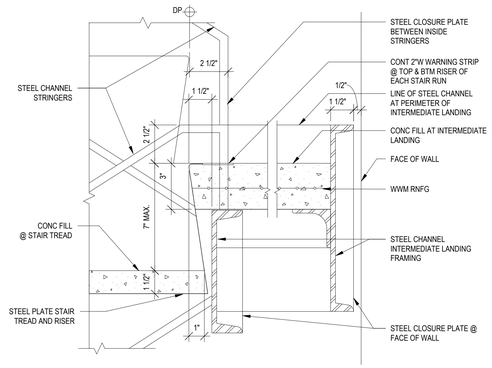
TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



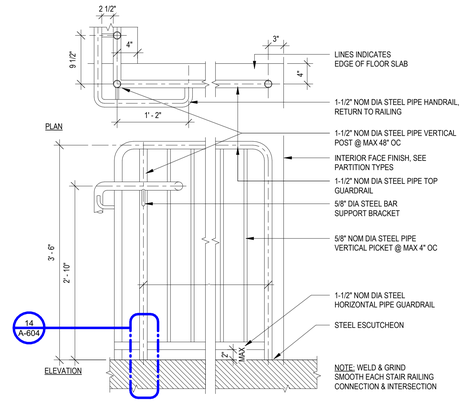
4 STAIR RAIL TRANSITION AT BOTTOM
SCALE: 1" = 1'-0"



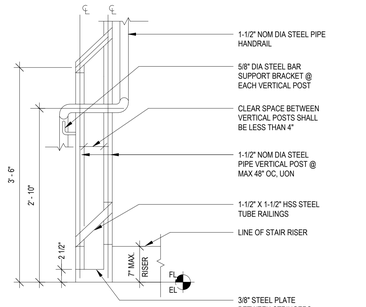
3 METAL PAN STAIR AT FLOOR BASE DETAIL
SCALE: 3" = 1'-0"



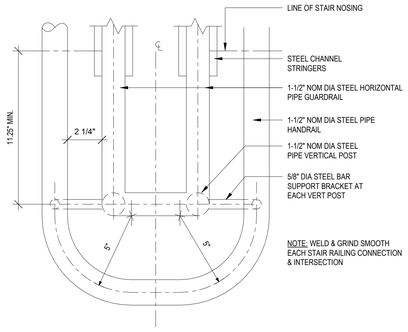
2 METAL PAN STAIR AT INTERMEDIATE LANDING
SCALE: 3" = 1'-0"



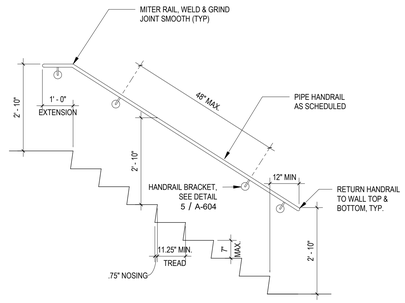
1 STAIR RAIL TERMINATION DETAIL
SCALE: 1" = 1'-0"



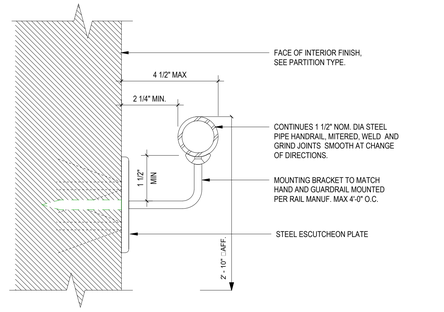
8 STAIR RAILING TRANSITION AT LANDING
SCALE: 1" = 1'-0"



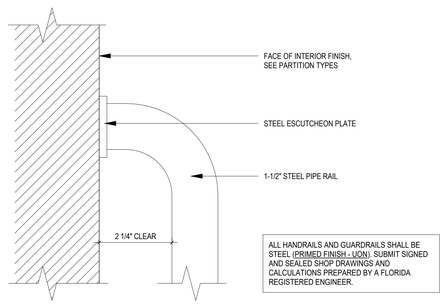
7 STAIR RAILING TRANSITION AT TOP LANDING
SCALE: 3" = 1'-0"



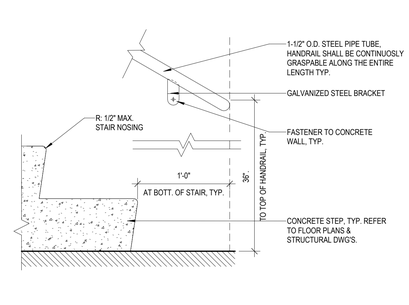
6 WALL MOUNTED HANDRAIL ELEVATION
SCALE: 1/2" = 1'-0"



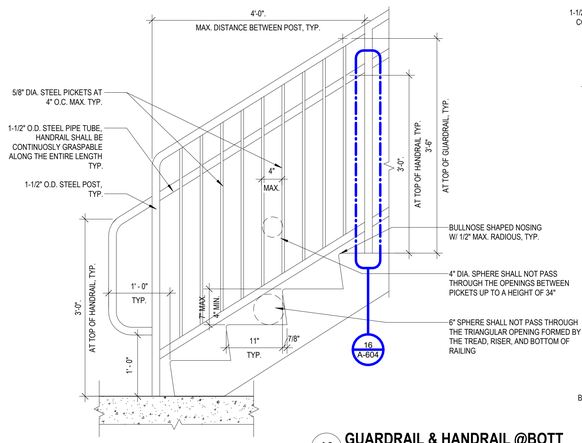
5 WALL MOUNTED HANDRAIL DETAIL
SCALE: 6" = 1'-0"



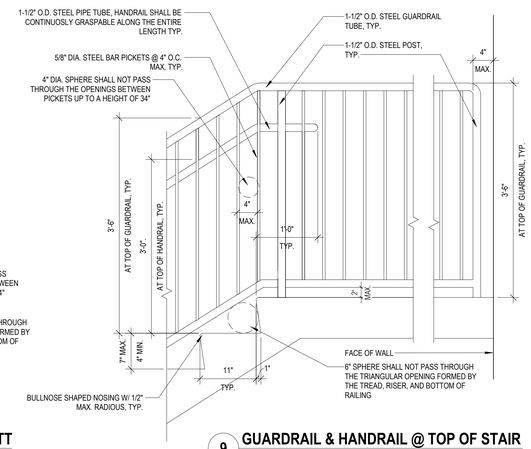
12 WALL MOUNTED HANDRAIL END CONDITION
SCALE: 6" = 1'-0"



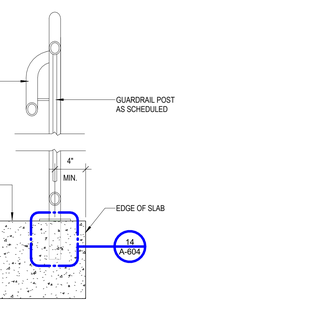
11 BOTTOM HANDRAIL EXTENSION
SCALE: 1 1/2" = 1'-0"



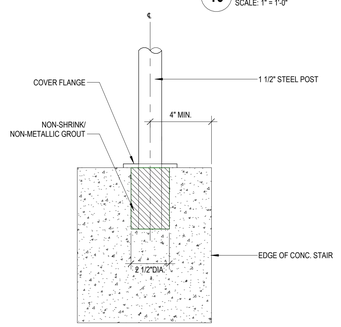
10 GUARDRAIL & HANDRAIL @BOTT
SCALE: 1" = 1'-0"



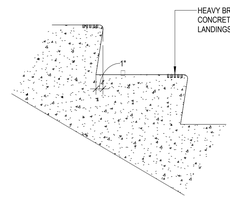
9 GUARDRAIL & HANDRAIL @ TOP OF STAIR
SCALE: 1" = 1'-0"



16 STAIR GUARDRAIL DETAIL
SCALE: 1 1/2" = 1'-0"



14 STAIR POST DETAIL, TYP.
SCALE: 3" = 1'-0"



13 STAIR STEP DETAIL
SCALE: 1 1/2" = 1'-0"

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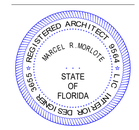

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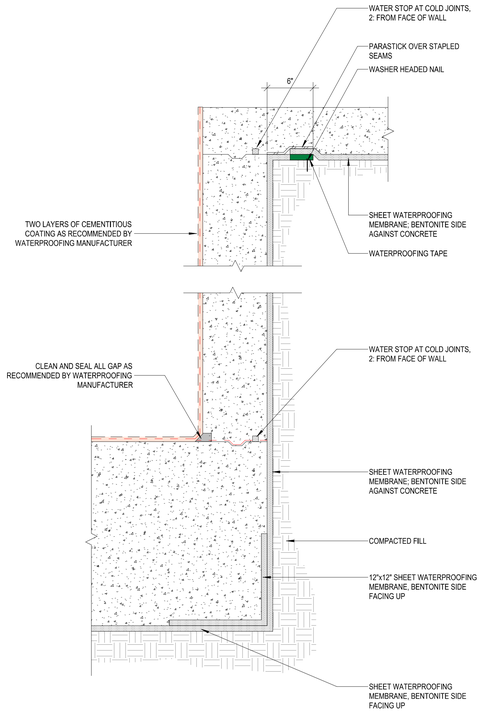
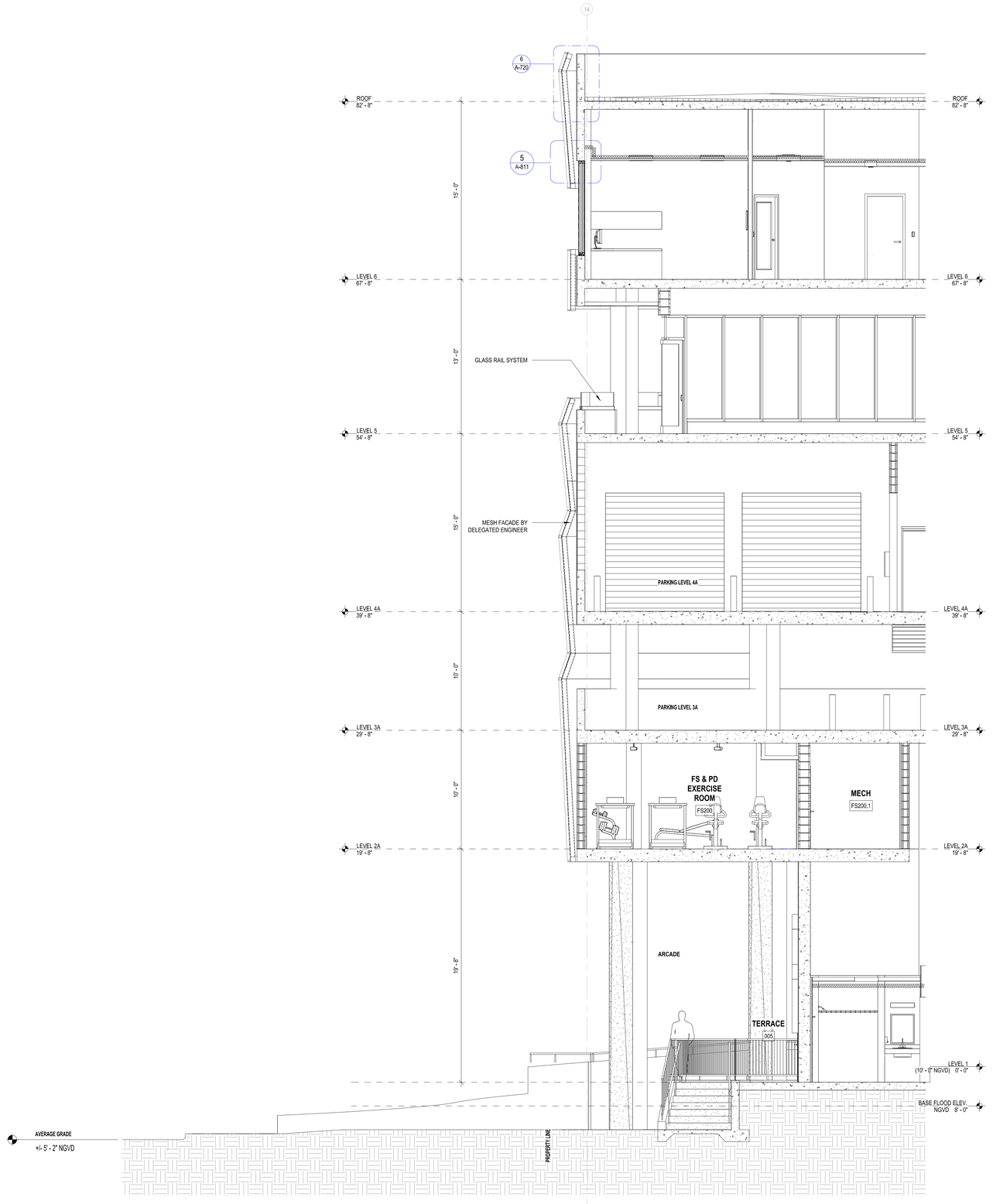
STAIR DETAILS

A-604



2 ELEVATOR PIT DETAIL
1 1/2" = 1'-0"



1 SOUTH FRONTAGE SECTION CDs
1/4" = 1'-0"

REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:

1. NEW LEVEL ADDED
2. NEW ARCHITECTURAL MESH FOR THE BUILDING'S FACADES

4

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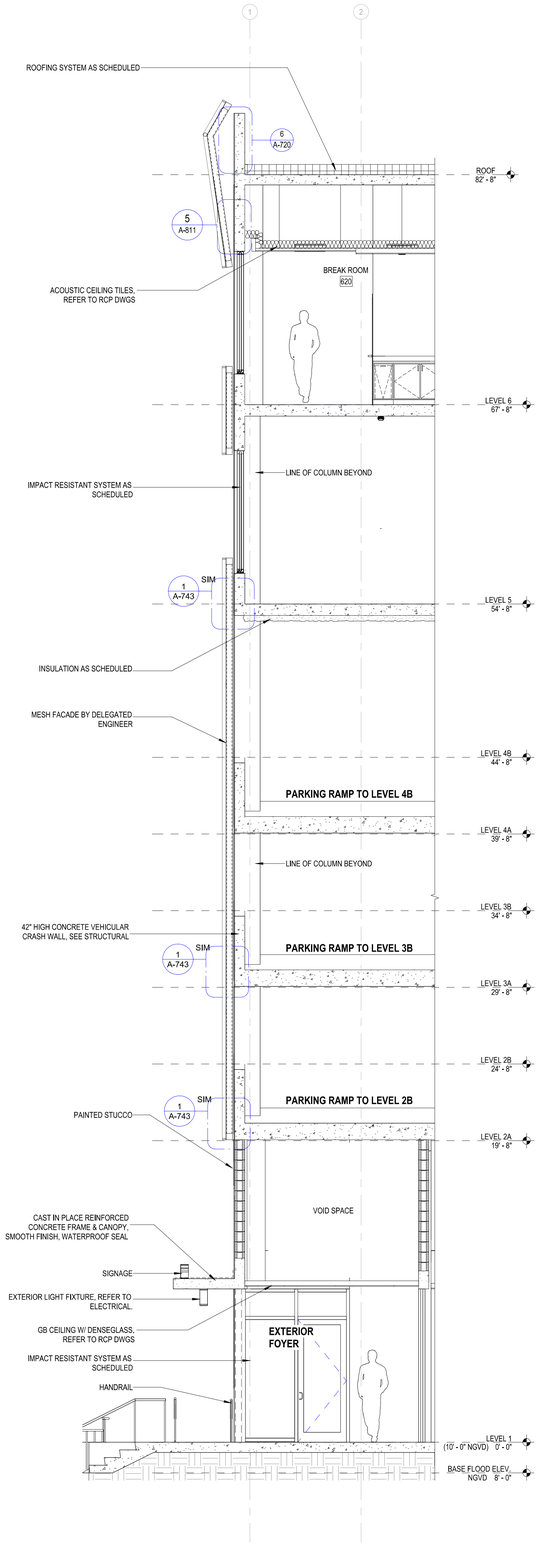
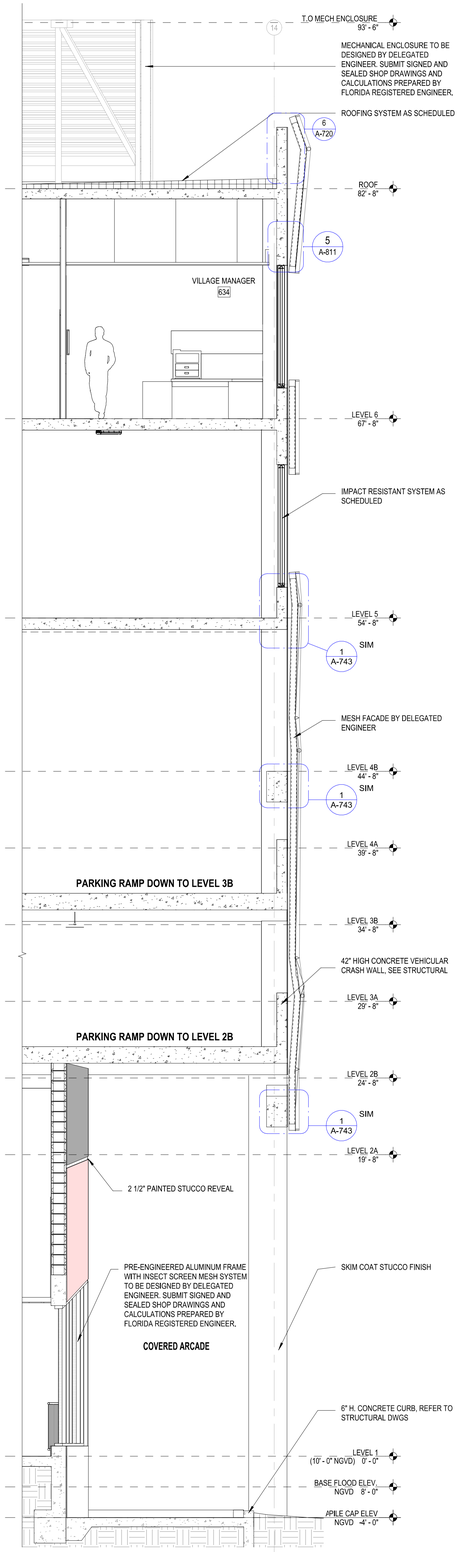
REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
4	Plan Review	06/30/25

WALL SECTIONS

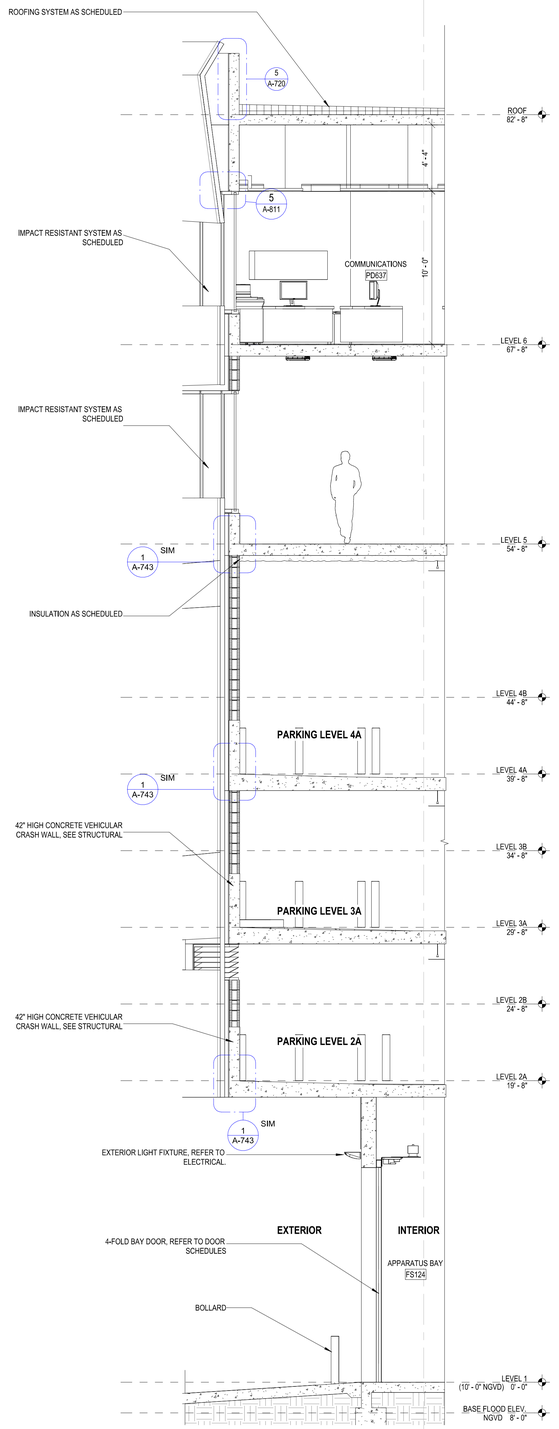
A-701



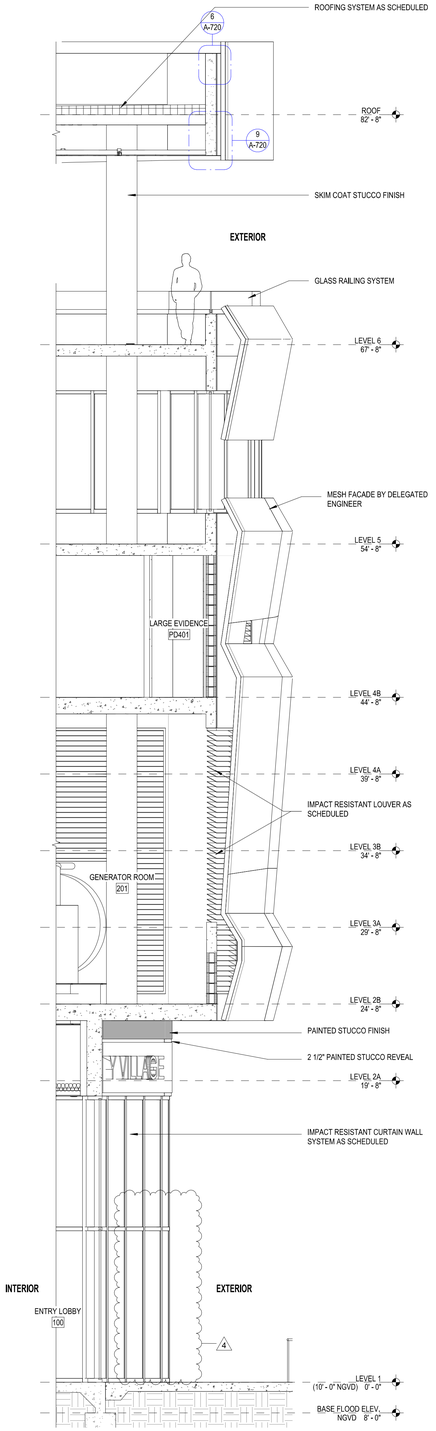
4 WALL SECTION 4 - THROUGH STAIR 2
1/4" = 1'-0"



3 WALL SECTION 3 - THROUGH STAIR 2
1/4" = 1'-0"



2 WALL SECTION - APPARATUS BAY NORTH WAL
1/4" = 1'-0"



1 WALL SECTION - EAST WALL 1/4"
1/4" = 1'-0"

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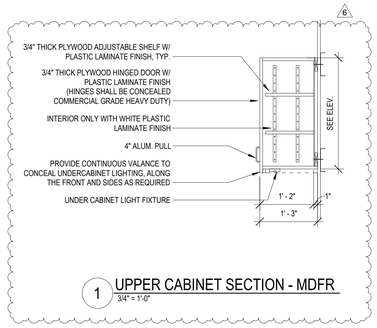
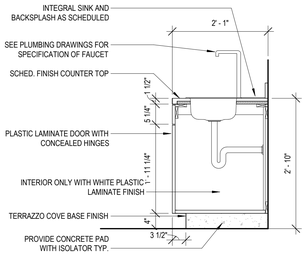
REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
4	Plan Review	06/30/25

WALL SECTIONS

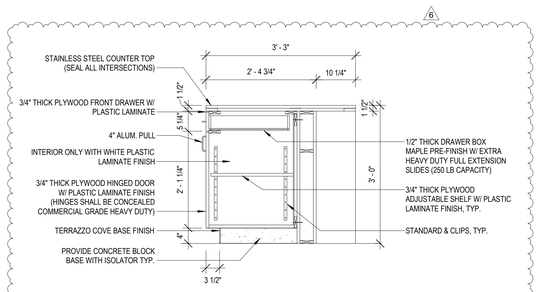
A-702



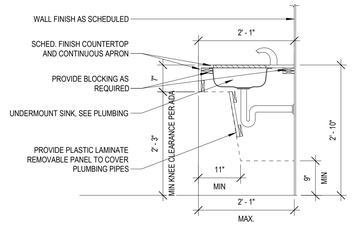
1 UPPER CABINET SECTION - MDFR
3/4" = 1'-0"



2 VANITY SECTION WITH SINK
3/4" = 1'-0"



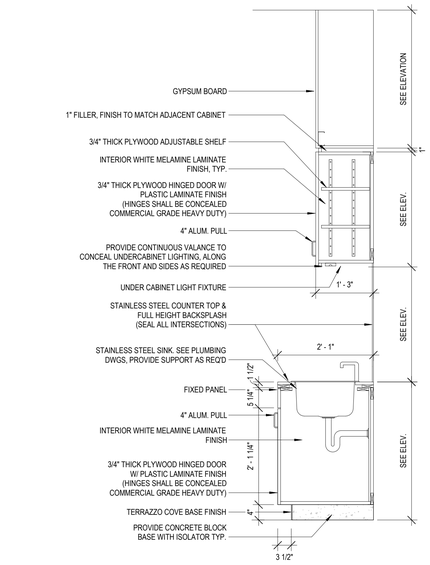
MDFR KITCHEN
3 BASE CABINET W/ DRAWER
3/4" = 1'-0"



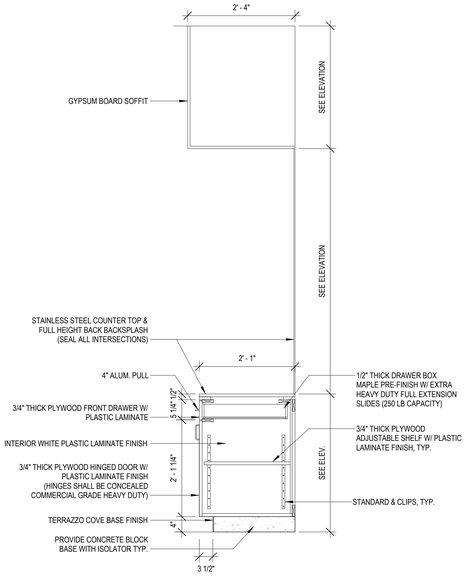
4 ACCESSIBLE LAVATORY
3/4" = 1'-0"

GENERAL NOTES - MILLWORK

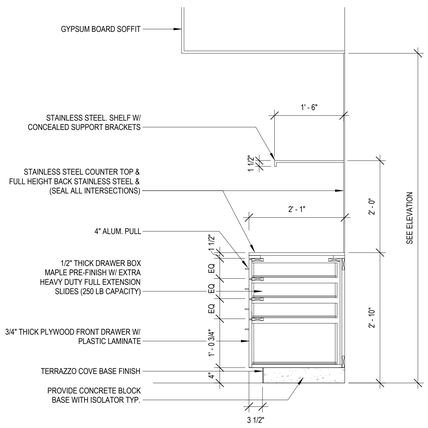
1. VERIFY ALL DIMENSIONS IN FIELD. NOTIFY ARCHITECT/DESIGNER IMMEDIATELY OF ANY DISCREPANCIES WHETHER FOUND IN THE DRAWINGS, SPECIFICATIONS, OR AT THE JOBSITE.
2. PROVIDE LOCKS FOR ALL CASEWORK DOORS/DRAWERS WITH ONE MASTER KEY.
3. CASEWORK CONSTRUCTION, UNLESS OTHERWISE NOTED:
   - 3/4" PLYWOOD FOR DOORS, DRAWER FRONTS, TOEKICK, CASEWORK BODY MEMBERS (SIDES/BOTTOM/ETC.) AND CASEWORK BASES.
   - EXTERIOR GRADE PLYWOOD FOR ALL COUNTERTOPS
   - 3/4" PLYWOOD (EXTERIOR GRADE) FOR SHELVES THAT SPAN UP TO 36" WIDE.
   - 1" PLYWOOD (EXTERIOR GRADE) FOR SHELVES THAT SPAN UP TO 48" WIDE.
   - 1/2" SOLID HARDWOOD LUMBER FOR DRAWER SIDES AND SUBFRONT.
   - 1/4" PLYWOOD FOR CASWEORK BACKS.
   - 1/4" HARDWOOD PLYWOOD FOR DRAWER BOTTOMS.
   - ALL EXPOSED SURFACES TO BE PLASTIC LAMINATE, UNLESS OTHERWISE NOTED.
   - ALL INTERIOR SURFACES TO BE PLASTIC LAMINATE (WHITE COLOR), UNLESS OTHERWISE NOTED.
4. PLUMBING ROUGH INS. ELECTRICAL CONNECTIONS AT ALL APPROVED EQUIPMENT VERIFY AS PER THE MANUFACTURER'S SPECIFICATIONS PRIOR TO ANY FABRICATION AND/OR INSTALLATION.
5. INSTALL ALL SPECIFIED FLOORING TO RUN BELOW ALL MILLWORK, U.N.O.
6. PROVIDE 2 1/2" DIAMETER GROMMETS WITH CAPS AT ALL MILLWORK LOCATIONS NOTED. EXACT LOCATIONS TO BE DETERMINED IN THE FIEDL WITH END USER.
7. MAINTAIN AN 18" MINIMUM CLEAR DIMENSION AT ALL MILLWORK LOCATED ADJACENT TO DOOR LOCATIONS, U.N.O.
8. VOC MATERIAL LIMITS- PROVIDE DOCUMENTATION INDICATING THAT PRODUCTS COMPLY WITH THE TESTING AND PRODUCT REQUIREMENTS OF THE CALIFORNIA DEPARTMENT OF HEALTH SERVICES "STANDARD PRACTICE FOR THE TESTING OF VOLATILE ORGANIC EMISSIONS FROM VARIOUS SOURCES USING SMALL-SCALE ENVIRONMENTAL CHAMBERS."
9. VOC LIMITS FOR INSTALLATION ADHESIVES AND GLUES: USE INSTALLATION ADHESIVES THAT COMPLY WITH THE FOLLOWING LIMITS FOR VOC CONTENTS WHEN CALCULATED ACCORDING TO 40 CFR 59,SUBPART D (EPA METHOD 24) :
   1.) WOOD GLUES 30g/l.
   2.) CONTACT ADHESIVE: 250 g/l.
10. REPLACE ALL PLASTIC LAMINATE CABINETS TO BE STAINLESS STEEL AS AN ALTERANTE. REFER TO SHEET ID-100 FOR ALT-6.



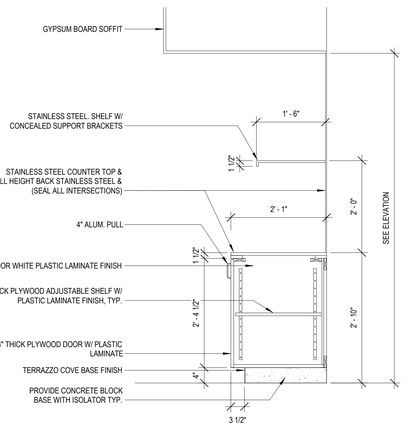
MDFR KITCHEN
5 BASE CABINET W/ SINK & UPPER CAB SECTION
3/4" = 1'-0"



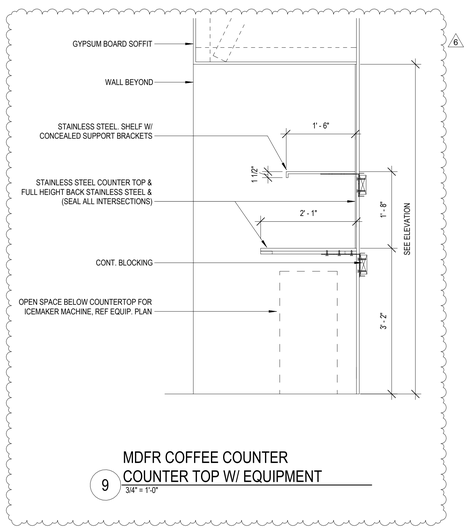
MDFR KITCHEN
6 BASE CABINET W/ DRAWER
3/4" = 1'-0"



MDFR COFFEE ALCOVE
7 BASE CABINET W/ DRAWERS & SHELF
3/4" = 1'-0"



MDFR COFFEE ALCOVE
8 BASE CABINET W/ SHELF
3/4" = 1'-0"



MDFR COFFEE COUNTER
9 COUNTER TOP W/ EQUIPMENT
3/4" = 1'-0"

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STATE OF FLORIDA
REGISTERED ARCHITECT
MARCEL R. MORLOTE
LICENSE NO. 9564

MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
This item has been digitally signed & sealed by Marcel R. Morlote, R.A. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33141

10/27/2025 4:31:21 PM

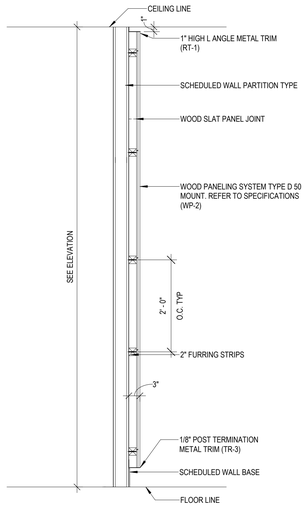
Project Number
WJ 2312

DISTRIBUTION
12/11/2024

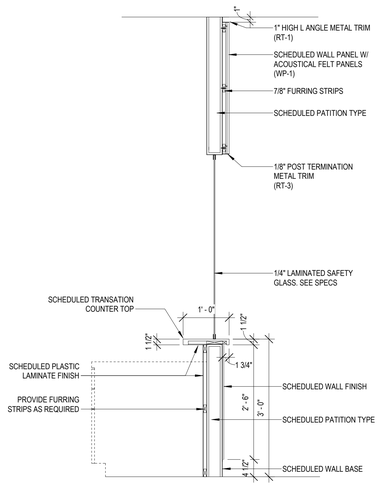
REV	DESCRIPTION	DATE
4	Plan Review	06/30/25
6	Plan Review	10/27/25

MILLWORK SECTIONS - MDFR

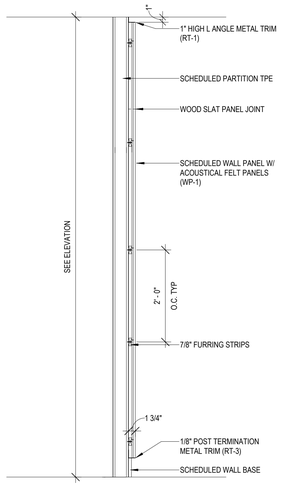
A-710



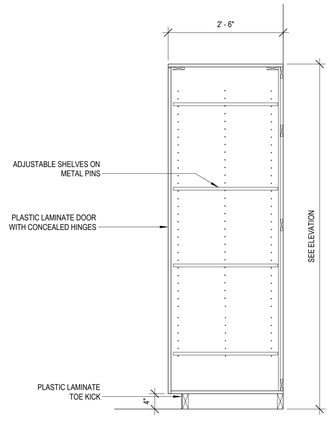
1 WALL PANELING AT DAIS
3/4" = 1'-0"



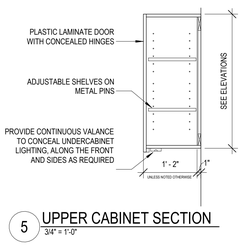
2 FRONT COUNTER WALL SECTION
3/4" = 1'-0"



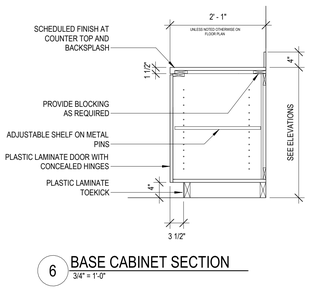
3 WALL PANELING AT LOBBY FRONT COUNTER
3/4" = 1'-0"



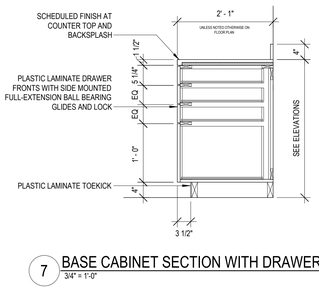
4 KITCHEN PANTRY CABINET SECTION
3/4" = 1'-0"



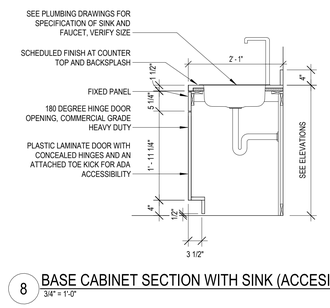
5 UPPER CABINET SECTION
3/4" = 1'-0"



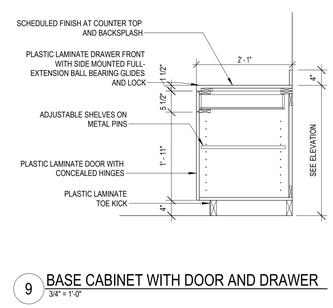
6 BASE CABINET SECTION
3/4" = 1'-0"



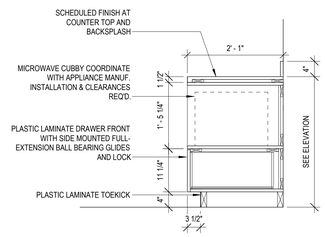
7 BASE CABINET SECTION WITH DRAWERS
3/4" = 1'-0"



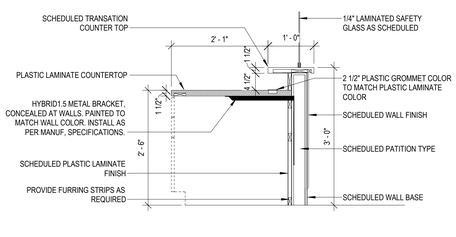
8 BASE CABINET SECTION WITH SINK (ACCESIBLE)
3/4" = 1'-0"



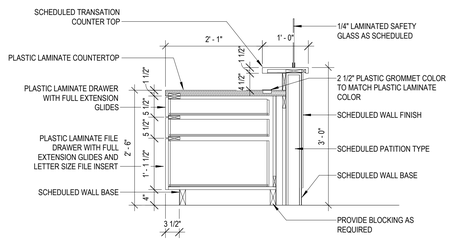
9 BASE CABINET WITH DOOR AND DRAWER
3/4" = 1'-0"



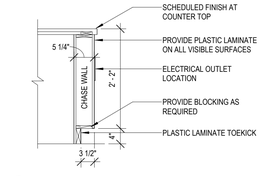
10 BASE CABINET WITH MICROWAVE SECTION
3/4" = 1'-0"



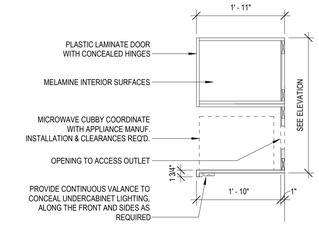
11 FRONT COUNTER OPERATIONS SECTION
3/4" = 1'-0"



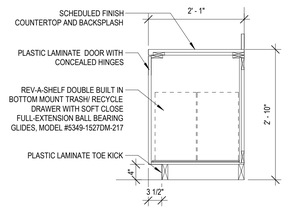
12 FRONT COUNTER OPERATIONS SECTION W/ CABINET
3/4" = 1'-0"



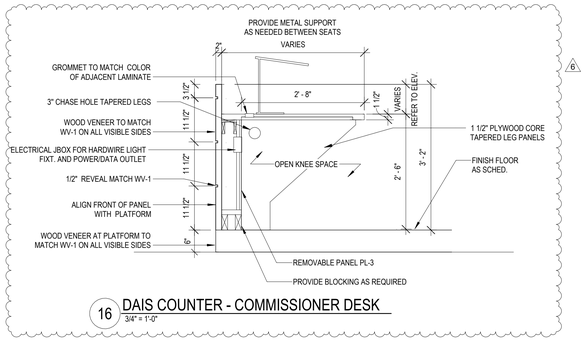
13 KITCHEN ISLAND CHASE WALL
3/4" = 1'-0"



14 UPPER CABINET SECTION W/ MICROWAVE
3/4" = 1'-0"



15 TRASH/RECYCLING PULLOUT CABINET
3/4" = 1'-0"



16 DAIS COUNTER - COMMISSIONER DESK
3/4" = 1'-0"

GENERAL NOTES - MILLWORK

1. VERIFY ALL DIMENSIONS IN FIELD. NOTIFY ARCHITECT/DESIGNER IMMEDIATELY OF ANY DISCREPANCIES WHETHER FOUND IN THE DRAWINGS, SPECIFICATIONS, OR AT THE JOBSITE.
2. PROVIDE LOCKS FOR ALL CASEWORK DOORS/DRAWERS WITH ONE MASTER KEY.
3. CASEWORK CONSTRUCTION, UNLESS OTHERWISE NOTED:
   - 3/4" PLYWOOD FOR DOORS, DRAWER FRONTS, TOEKICK, CASEWORK BODY MEMBERS (SIDES/BOTTOM/ETC.) AND CASEWORK BASES.
   - EXTERIOR GRADE PLYWOOD FOR ALL COUNTERTOPS
   - 3/4" PLYWOOD (EXTERIOR GRADE) FOR SHELVES THAT SPAN UP TO 36" WIDE.
   - 1" PLYWOOD (EXTERIOR GRADE) FOR SHELVES THAT SPAN UP TO 48" WIDE.
   - 1/2" SOLID HARDWOOD LUMBER FOR DRAWER SIDES AND SUBFRONT.
   - 1/4" PLYWOOD FOR CASWEORK BACKS.
   - 1/4" HARDWOOD PLYWOOD FOR DRAWER BOTTOMS.
   - ALL EXPOSED SURFACES TO BE PLASTIC LAMINATE, UNLESS OTHERWISE NOTED.
   - ALL INTERIOR SURFACES TO BE PLASTIC LAMINATE (WHITE COLOR), UNLESS OTHERWISE NOTED.
4. PLUMBING ROUGH INS. ELECTRICAL CONNECTIONS AT ALL APPROVED EQUIPMENT VERIFY AS PER THE MANUFACTURER'S SPECIFICATIONS PRIOR TO ANY FABRICATION AND/OR INSTALLATION.
5. INSTALL ALL SPECIFIED FLOORING TO RUN BELOW ALL MILLWORK, U.N.O.
6. PROVIDE 2 1/2" DIAMETER GROMMETS WITH CAPS AT ALL MILLWORK LOCATIONS NOTED. EXACT LOCATIONS TO BE DETERMINED IN THE FIEDL WITH END USER.
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10. REPLACE ALL PLASTIC LAMINATE CABINETS TO BE STAINLESS STEEL AS AN ALTERANTE. REFER TO SHEET ID-100 FOR ALT-6.

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MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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11/18/2025 10:58:29 AM

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA, 33141

Project Number
WJ 2312

DISTRIBUTION
12/11/2024

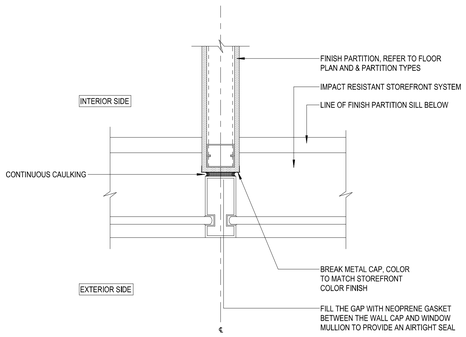
REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
2	Plan Review	12/20/24
4	Plan Review	06/30/25
6	Plan Review	10/27/25

MILLWORK SECTIONS - VH & PD

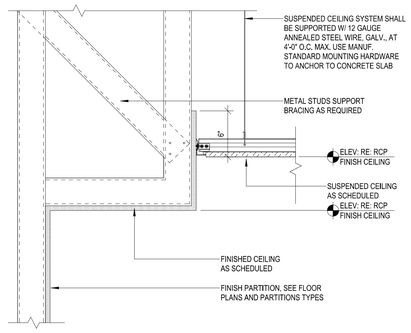
REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:
1. PLAN REVISION

A-711

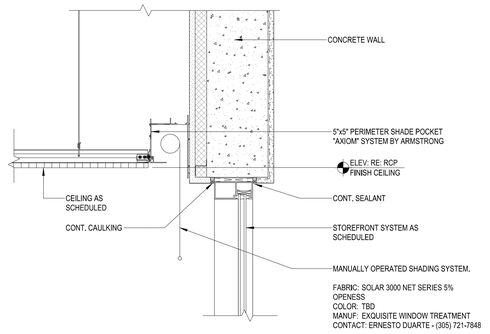
TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



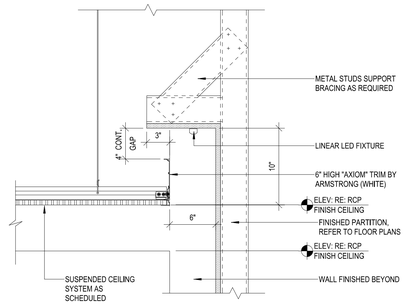
1 **PARTITION WALL TERMINATION**
SCALE: 1 1/2" = 1'-0"



2 **SOFFIT DETAIL @ SUSPENDED CEILING**
SCALE: 1 1/2" = 1'-0"



3 **SHADE POCKET DETAIL @ PERIMETER**
SCALE: 1 1/2" = 1'-0"



4 **SOFFIT DETAIL (TBD)**
SCALE: 1 1/2" = 1'-0"

5 **SOFFIT DETAIL @ CHAMBERS SUSPENDED CEILING**
SCALE: 1 1/2" = 1'-0"

6 **SOFFIT DETAIL WITH RECESSED LIGHT CHANNEL**
SCALE: 1 1/2" = 1'-0"

7 **SOFFIT DETAIL**
SCALE: 1 1/2" = 1'-0"

8 **SOFFIT SHADOW COVE DETAIL**
SCALE: 1 1/2" = 1'-0"

9 **SOFFIT DETAIL WITH COVE LIGHTING -SUSPENDED CEILING**
1 1/2" = 1'-0"

10 **SOFFIT DETAIL WITH COVE LIGHTING**
1 1/2" = 1'-0"

NOTE:
FOR INTERIOR CONDITIONS USE UK DESIGN: UL 263.
FOR EXTERIOR SUBMIT FULL DESIGN AND SHOP DRAWINGS/ CALCULATIONS SIGNED AND SEALED PREPARED BY DELEGATED ENGINEER.

11 **2-HR RATED CEILING**
3/4" = 1'-0"

12 **SOFFIT DETAIL**
SCALE: 1 1/2" = 1'-0"

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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LICENSE NO. 9564
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FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

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Project Number
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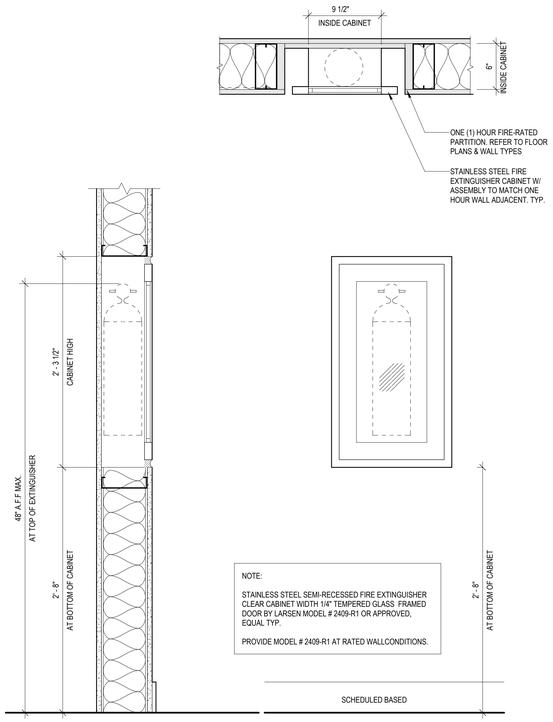
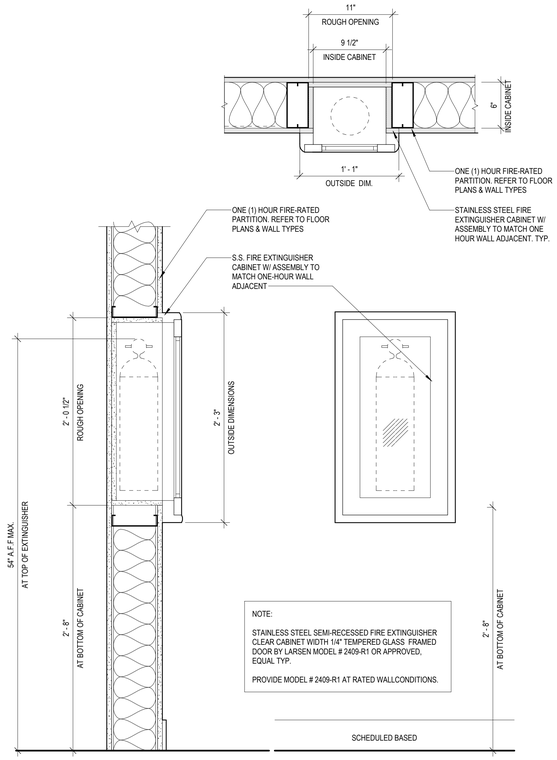
REV	DESCRIPTION	DATE
4	Plan Review	06/30/25

CEILING AND GENERAL DETAILS

A-715



4 FIRE EXTINGUISHER RECESSED
SCALE: 1 1/2" = 1'-0"



3 FIRE EXTINGUISHER SEMI-RECESSED
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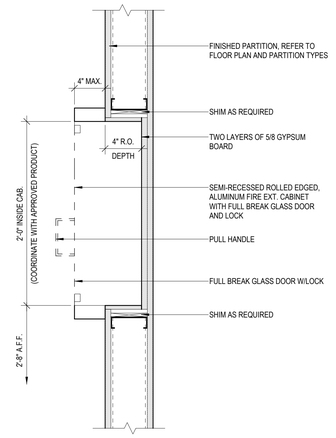

2 EXTINGUISHER CABINET - SECTION
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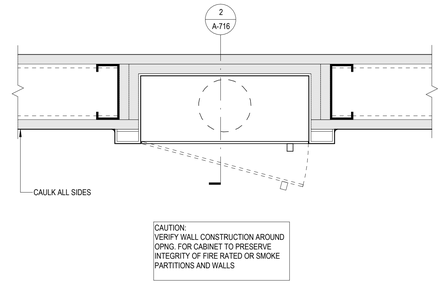
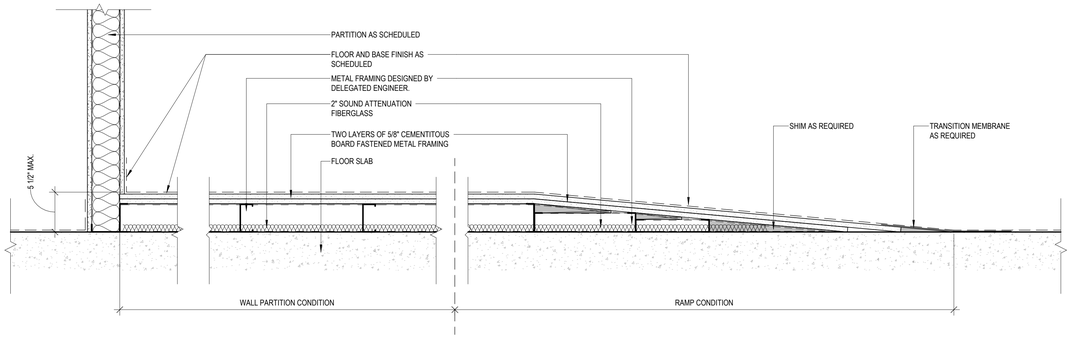


1 EXTINGUISHER CABINET - PLAN
SCALE: 3" = 1'-0"



5 RAISED PLATFORM DETAIL
SCALE: 1 1/2" = 1'-0"

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GENERAL DETAILS

A-716

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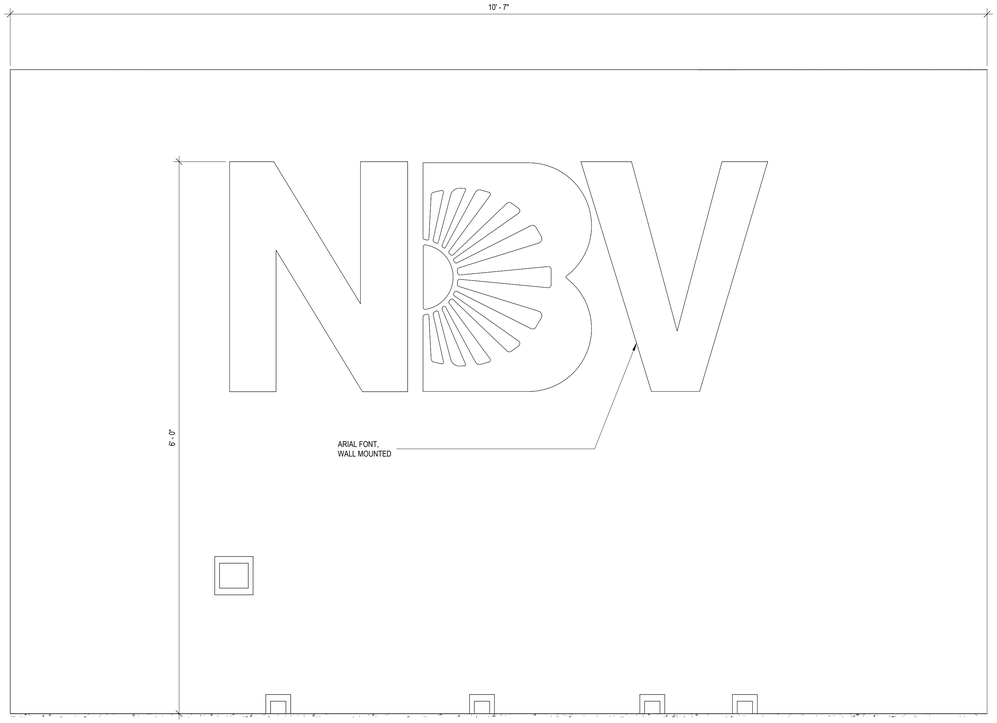

1 INTERIROR - LOBBY NBV SIGN
1 1/2" = 1'-0"



3 INTERIOR - POST OFFICE SIGN
3" = 1'-0"



2 INTERIOR - CASHIER SIGN
3" = 1'-0"



4 INTERIOR - CASHIER SIGN
3" = 1'-0"

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FL. ARCH. REG. NO. 9564
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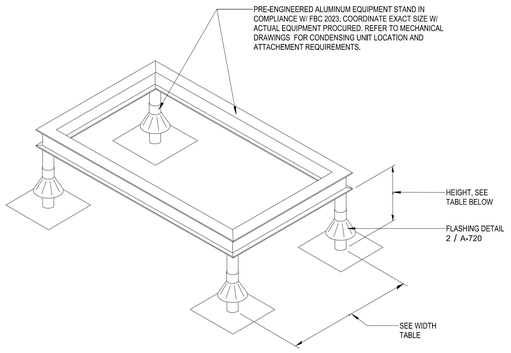
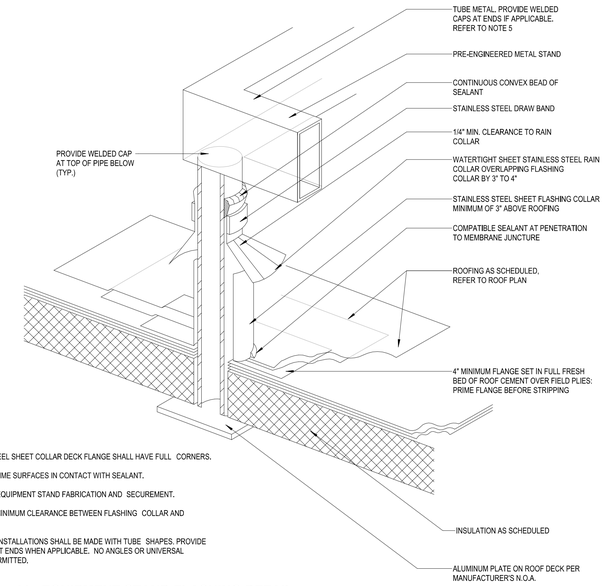
BUILDING INTERIOR SIGNS

A-717



WIDTH OF EQUIPMENT	HEIGHT OF LEGS
UP TO 48"	24"
49" TO 60"	30"
61" AND WIDER	48"

3 MECHANICAL EQUIPMENT STAND
SCALE: 3" = 1'-0"



NOTES:

1.STAINLESS STEEL SHEET COLLAR DECK FLANGE SHALL HAVE FULL CORNERS.

2.CLEAN AND PRIME SURFACES IN CONTACT WITH SEALANT.

3.COORDINATE EQUIPMENT STAND FABRICATION AND SECUREMENT.

4.PROVIDE 1/4" MINIMUM CLEARANCE BETWEEN FLASHING COLLAR AND SUPPORT

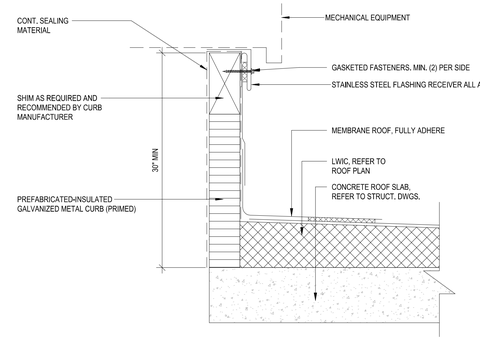
5.ALL ROOFING INSTALLATIONS SHALL BE MADE WITH TUBE SHAPES. PROVIDE WELDED CAPS AT ENDS WHEN APPLICABLE. NO ANGLES OR UNIVERSAL STRUTS ARE PERMITTED.

2 EQUIPMENT STAND FLASHING DETAIL
SCALE: 3" = 1'-0"

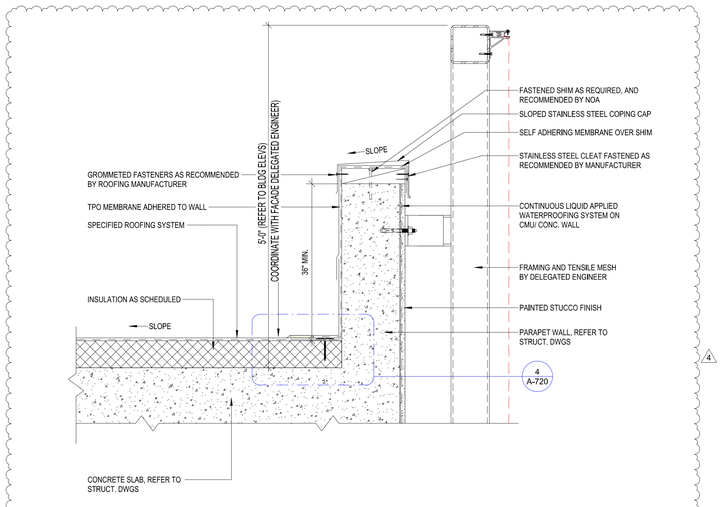
NOTES:

1. REFER TO MECH. DWG'S FOR SIZE & LOCATION OF EQUIP. COORDINATE OPENING SIZE WITH MANUFACTURER.

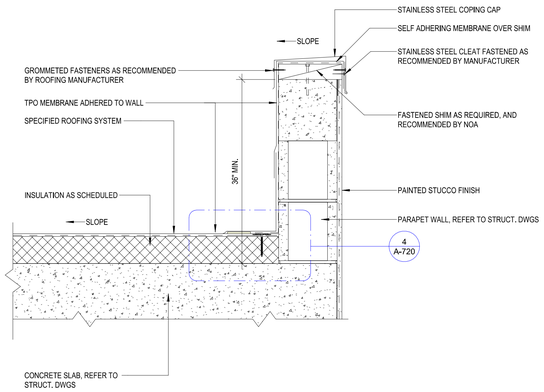
2. PROVIDE HURRICANE TIE-DOWNS AS INDICATED ON MECHANICAL DRAWINGS FOR ALL ROOF MOUNTED EQUIPMENT AND CURBS



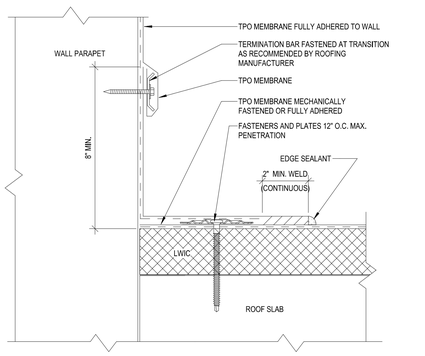
1 MECHANICAL EQUIPMENT CURB DETAIL
3" = 1'-0"



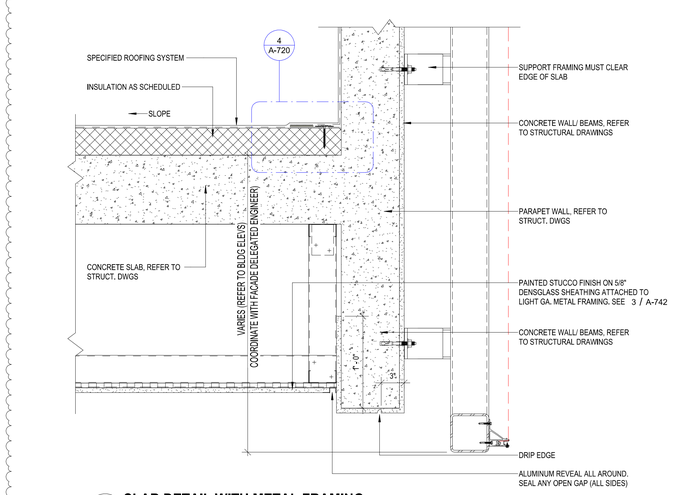
6 PARAPET DETAIL WITH METAL FRAMING
SCALE: 1 1/2" = 1'-0"



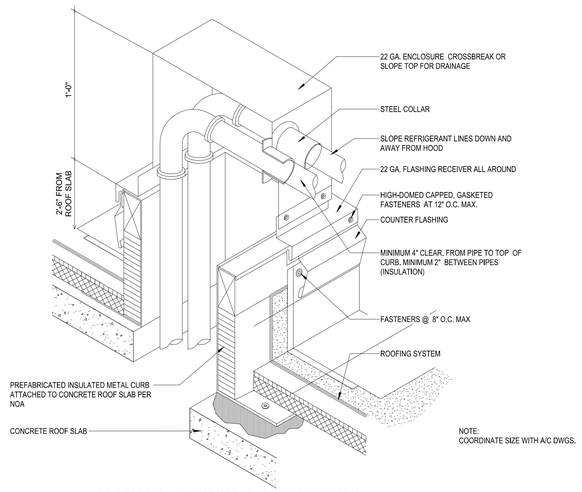
5 PARAPET DETAIL (TYP.)
SCALE: 1 1/2" = 1'-0"



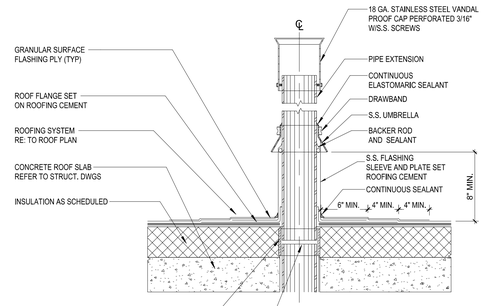
4 BASE WATERPROOFING DETAIL
SCALE: 6" = 1'-0"



9 SLAB DETAIL WITH METAL FRAMING
SCALE: 1 1/2" = 1'-0"



8 REFRIGERANT PIPING FLASHING DETAIL
SCALE: 3" = 1'-0"



7 VENT DETAIL
SCALE: 1 1/2" = 1'-0"

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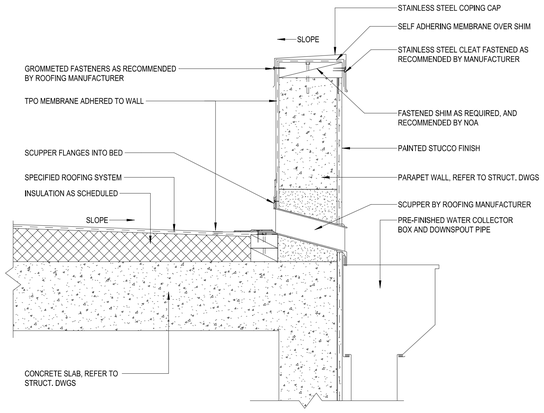
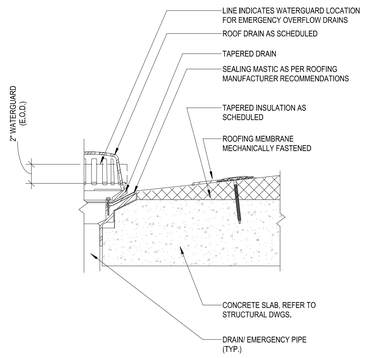
4	Plan Review	06/30/25

ROOFING DETAILS

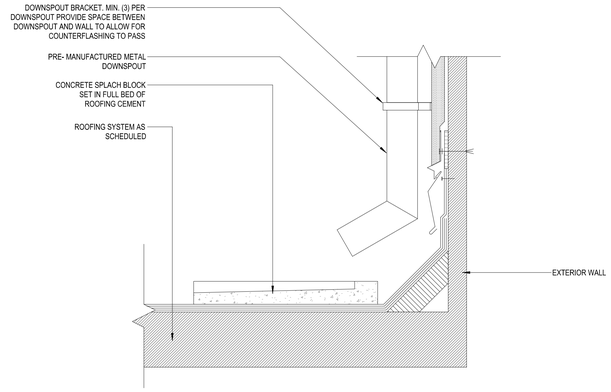
A-720



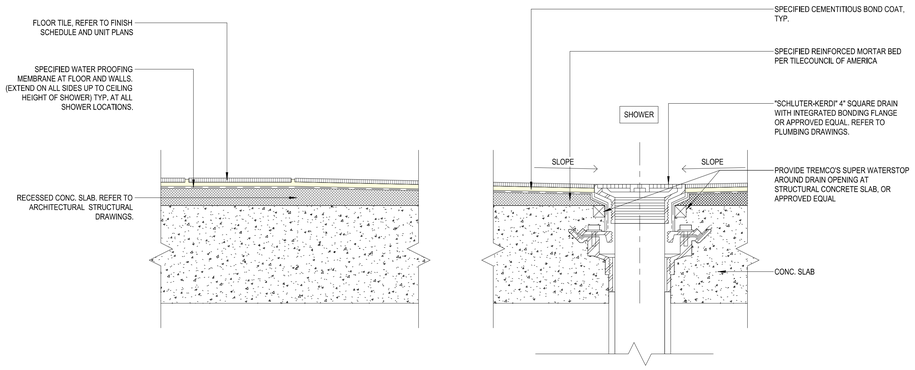
3 PARAPET DETAIL WALL SCUPPER
1 1/2" = 1'-0"



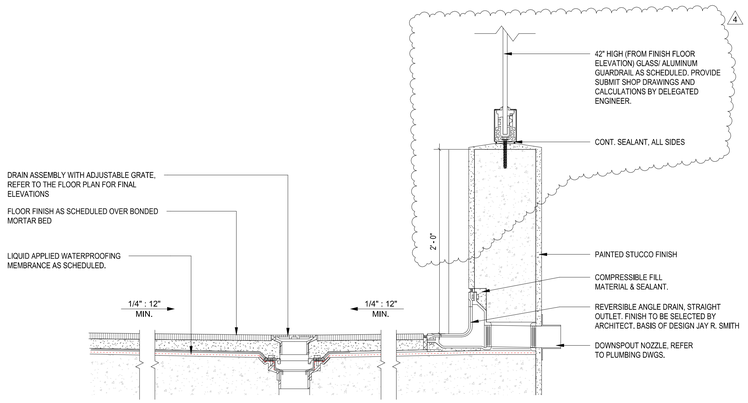
2 ROOF DRAIN DETAIL
SCALE: 3" = 1'-0"



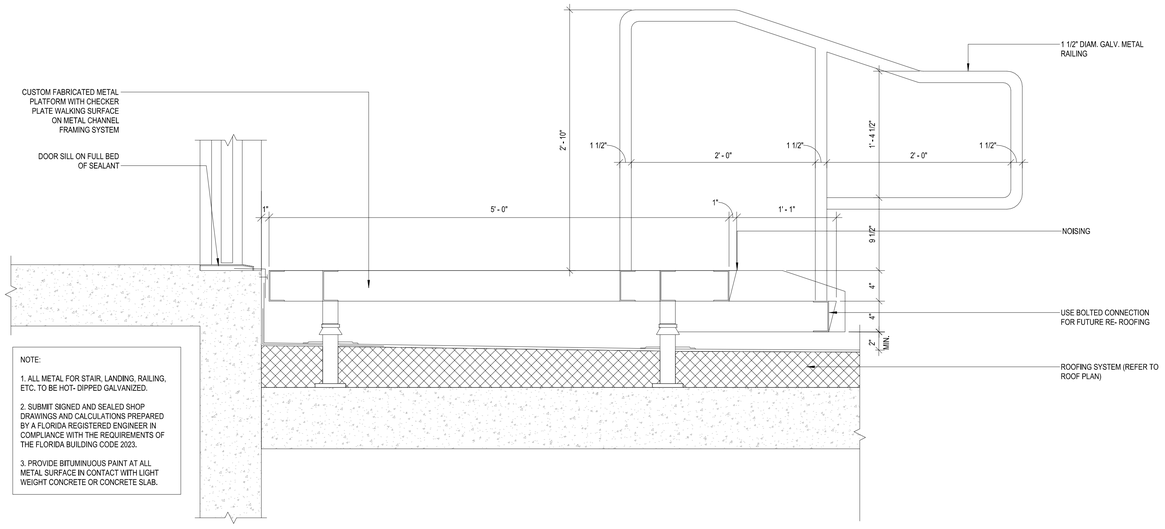
1 DETAIL- DOWNSPOUT
3" = 1'-0"



5 DETAIL-CURBLESS SHOWER & DRAIN TYP.
3" = 1'-0"



4 BALCONY EMERGENCY OVERFLOW SCUPPER
1 1/2" = 1'-0"



7 TYPICAL EXTERIOR LANDING AT ROOF STAIR ENTRY
1 1/2" = 1'-0"

VOID

4

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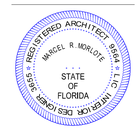

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4	Plan Review	06/30/25

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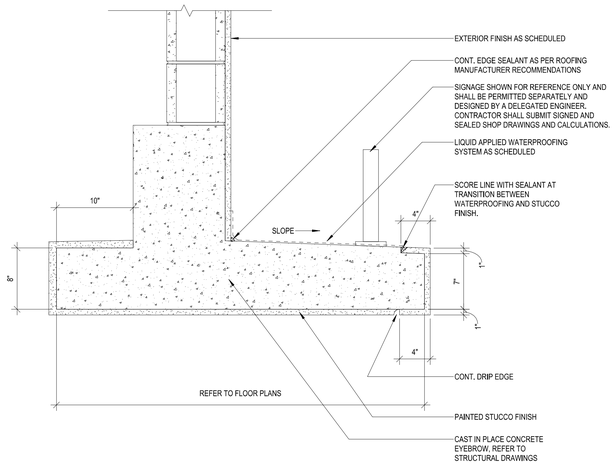
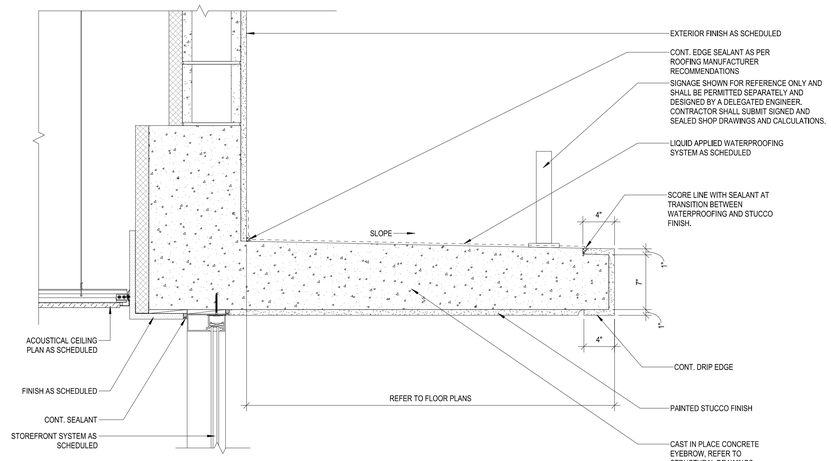


2 **PARKING GARAGE ENTRY EYEBROW DETAIL**
SCALE: 1 1/2" = 1'-0"



1 **ENTRY EYEBROW DETAIL**
SCALE: 1 1/2" = 1'-0"

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REGISTERED ARCHITECT 9564 LIC. INTERIOR DESIGNER 3855
MARCEL R. MORLOTE
STATE OF FLORIDA

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WJ 2312

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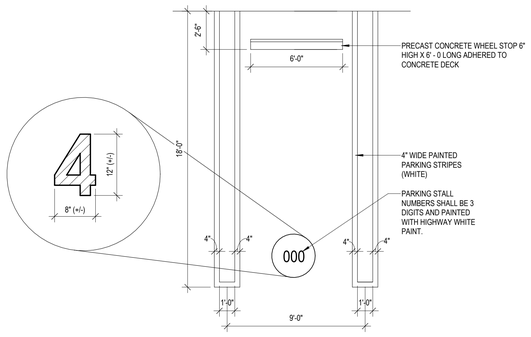
12/11/2024

REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
2	Plan Review	12/20/24
4	Plan Review	06/30/25

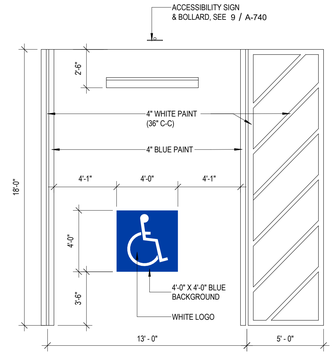
ROOFING DETAILS

A-722

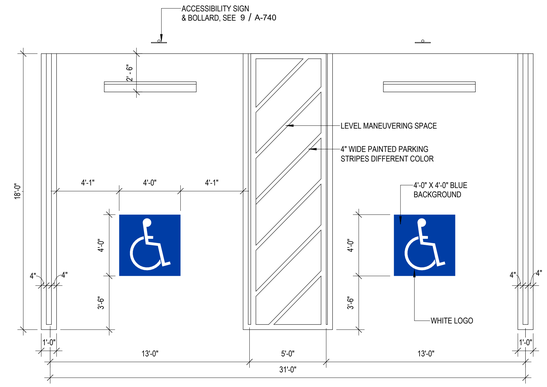
TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



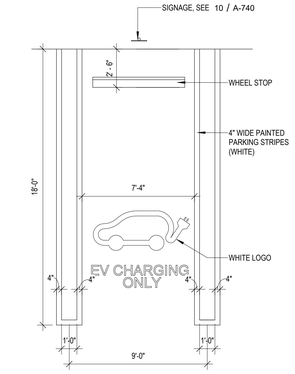
4 TYP. STANDARD PARKING SPACE
SCALE: 1/4" = 1'-0"



3 ADA ACCESSIBLE PARKING
SCALE: 1/4" = 1'-0"



2 TYP. HANDICAPPED PARKING
SCALE: 1/4" = 1'-0"



1 EV PARKING
SCALE: 1/4" = 1'-0"



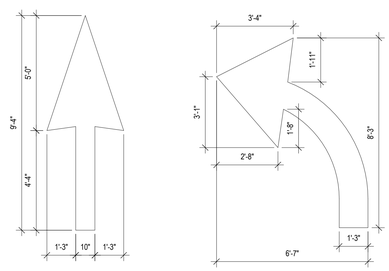
8 HEIGHT RESTRICTION BAR DTL
SCALE: 3/8" = 1'-0"



7 WHEELSTOP DETAIL
SCALE: 1" = 1'-0"

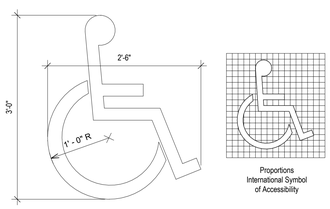
6 BOLLARD AT SUPPORTED SLAB
SCALE: 3/4" = 1'-0"

5 BOLLARD AT GRADE DETAIL
SCALE: 3/4" = 1'-0"

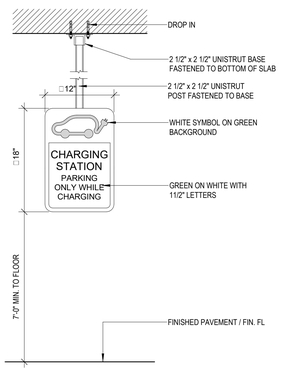


13 THRU ARROW
SCALE: 3/8" = 1'-0"

12 TURN ARROW
SCALE: 3/8" = 1'-0"



11 ADA ACCESSIBILITY SYMBOL
SCALE: 1" = 1'-0"

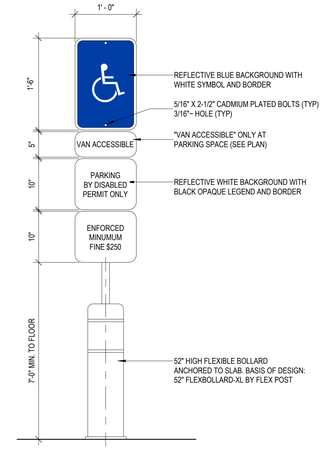


NOTE:

THE PERMANENT ABOVE-GRADE SIGN SHALL EITHER BE SECURED TO A WALL IMMEDIATELY IN FRONT OF OR POST-MOUNTED IMMEDIATELY IN FRONT OF EACH ELECTRIC VEHICLE DESIGNATED SPACE.

HEIGHT OF SIGN SHALL BE IN ACCORDANCE W/ SECTION 24-23 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)

10 ELECTRIC VEHICLE PARKING SPACE SIGN
SCALE: 3/4" = 1'-0"



NOTES:

A. PROVIDE ONE SIGN AS DETAILED IN FRONT OF EACH ACCESSIBLE PARKING STALL.
B. COMPLY WITH ALL REQUIREMENTS OF THE DEPARTMENT OF TRANSPORTATION AND THE AUTHORITY HAVING JURISDICTION.
C. INTERNATIONAL SYMBOL OF ACCESSIBILITY TO COMPLY WITH FAC 70.3.7.2.1 AND FAC 502.6.
D. HEIGHT OF SIGN SHALL BE IN ACCORDANCE W/ SECTION 24-23 OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (M.U.T.C.D.)

9 ADA ACCESSIBILITY SIGNAGE
SCALE: 1" = 1'-0"

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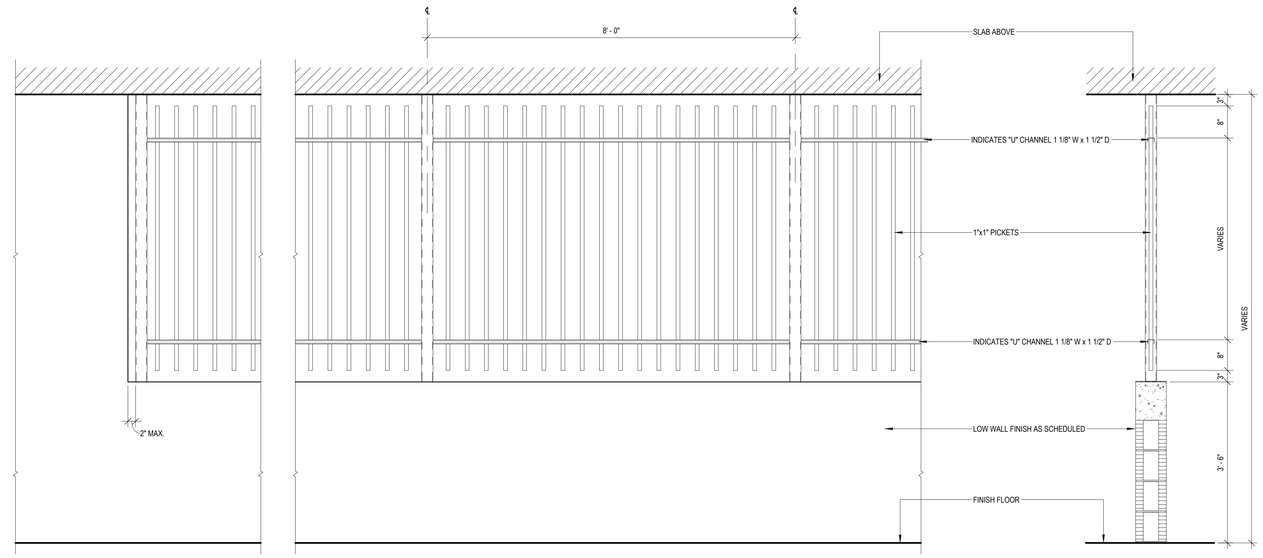
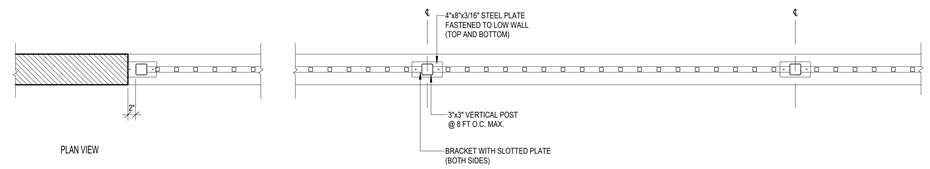


ELEVATION VIEW

SECTION VIEW



PLAN VIEW

PICKET FENCE GENERAL NOTES:

1. ALL PICKET FENCE MEMBERS SHALL BE STEEL GALVANIZED, POWDER COATED.

2. CRITERIA AND LOADS: LOADS AND DESIGN ARE IN ACCORDANCE WITH APPLICABLE PROVISIONS OF THE FLORIDA BUILDING CODE AND ASCE7 WITH APPLICABLE RISK CATEGORY. PROVIDE CONFIRMATION ON DELEGATED ENGINEERING DRAWINGS FOR APPROVAL.

3. CONTRACTOR TO SUBMIT COLOR SAMPLES FOR ARCHITECT'S REVIEW.

4. PRIOR TO ANY FIELD WORK COMMENCING ALL FENCE REQUIRE ENGINEERED CALCULATIONS AND SHOP DRAWINGS SUBMITTED TO THE A/E DEMONSTRATING COMPLIANCE WITH FBC. ALL MEMBER SIZES/ SPACING AND FOOTINGS SHOWN ARE MINIMUM SIZES. ACTUAL SIZING OF COMPONENTS TO COMPLY WITH STRUCTURAL CALCULATIONS AS DETERMINED BY THE DELEGATED ENGINEER.

1 SECURED PICKED FENCE
3/4" = 1'-0"

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STATE OF FLORIDA
REGISTERED ARCHITECT
MARCEL R. MORLOTE
LICENSE NO. 9564
INTERIOR DESIGNER

MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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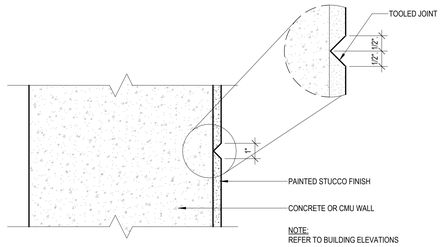
REV	DESCRIPTION	DATE

PARKING DETAILS

A-741



4 STUCCO CONTROL JOINT
SCALE: 3" = 1'-0"

GENERAL NOTES:

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND CALCULATIONS SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER FOR ALL EXTERIOR SOFFITS.

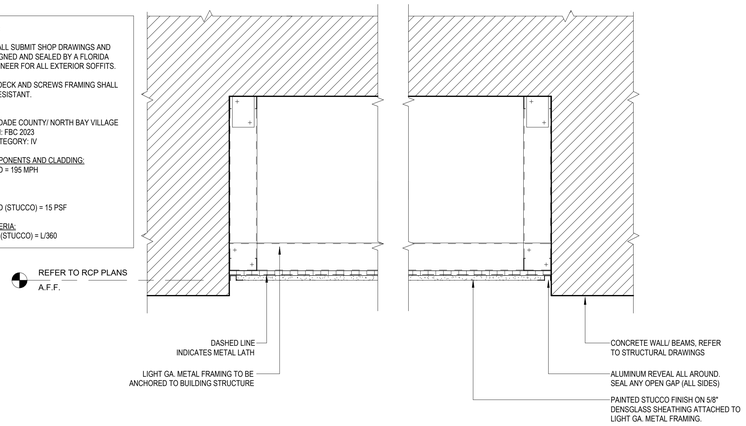
METAL FRAMING, DECK AND SCREWS FRAMING SHALL BE CORROSION RESISTANT.

DESIGN CRITERIA:
LOCATION: MIAMI-DADE COUNTY/ NORTH BAY VILLAGE
DESIGN BASED ON: FBC 2023
BUILDING RISK CATEGORY: IV

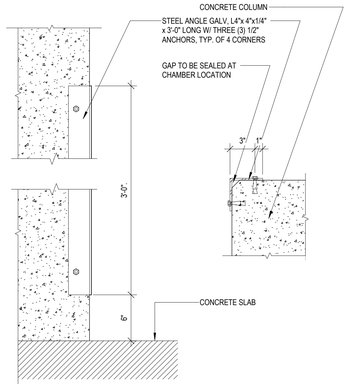
WIND LOADS COMPONENTS AND CLADDING:
BASIC WIND SPEED = 195 MPH
EXPOSURE = D

GRAVITY LOADS:
SOFFIT DEAD LOAD (STUCCO) = 15 PSF

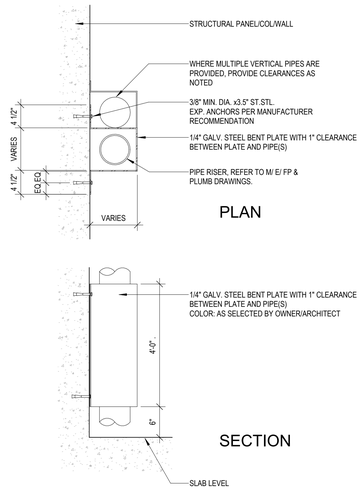
DEFLECTION CRITERIA:
EXTERIOR SOFFIT (STUCCO) = L/360



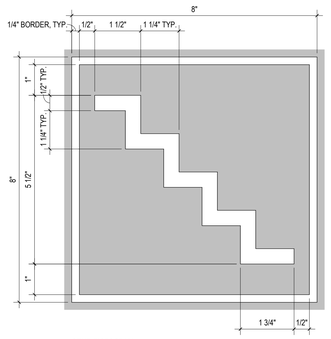
3 EXTERIOR SOFFIT DETAIL
SCALE: 1 1/2" = 1'-0"



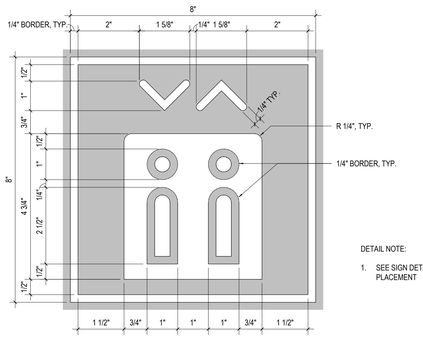
2 CORNER GUARD (TYP.)
SCALE: 1 1/2" = 1'-0"



1 PIPING COVER PLATE (TYP.)
SCALE: 1" = 1'-0"



STAIR PICTOGRAM

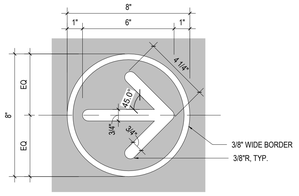


ELEVATOR PICTOGRAM

DETAIL NOTE:

1. SEE SIGN DETAILS FOR SYMBOL PLACEMENT

12 SIGN (PICTOGRAM)
SCALE: 6" = 1'-0"



DETAIL NOTE:

1. SEE SIGN DETAILS FOR SYMBOL PLACEMENT AND ORIENTATION

15 SIGN (ARROW)
SCALE: 3" = 1'-0"

SIGN NOTES:

1. CEILING/ BOTTOM OF DECK ATTACHMENT
2. MPH BOX COLOR: PANTONE PROCESS YELLOW C
3. TEXT
   A. FONT: ARIAL NARROW BOLD
   B. COLOR: BLACK AND WHITE AS SHOWN
   C. HEIGHT: "SPEED LIMIT" @ 5", "5" @ 5", "MPH" @ 2 1/2"
   D. CENTER "SPEED LIMIT" HOR. AND VERT. IN BACKGROUND COLOR FIELD
   E. CENTER "5 MPH" HOR. IN BACKGROUND COLOR FIELD

SIGN B02

11 SPEED LIMIT
SCALE: 1 1/2" = 1'-0"

SIGN NOTES:

1. SYMBOL COLOR: PANTONE RED 186 C, WHITE
2. ACCENT STRIP COLOR: PANTONE RED 186 C
3. TEXT
   A. FONT: ARIAL NARROW BOLD, WIDTH FACTOR :95
   B. COLOR: WHITE
   C. HEIGHT: 5"
   D. CENTER HOR. ON SIGN

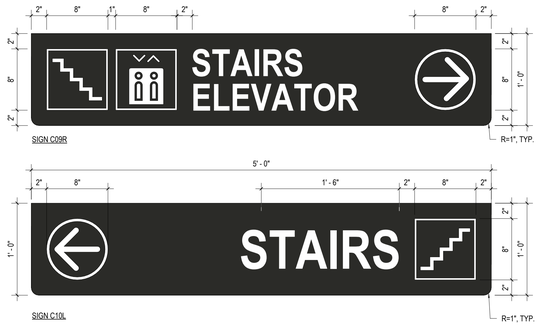


SIGN B01

14 SIGN (DO NOT ENTER)
SCALE: 1 1/2" = 1'-0"

SIGN NOTES:

1. CEILING/ BOTTOM OF DECK ATTACHMENT
2. SEE SIGN SCHEDULE FOR REQUIRED SIGN ARROW SYMBOLS AND ORIENTATION.
3. SYMBOL COLOR: WHITE
4. SEE DETAIL 12 / A-742 FOR PICTOGRAM DETAILS
5. SEE DETAIL 15 / A-742FOR ARROW SYMBOL DETAIL
6. TEXT
   A. FONT: ARIAL NARROW BOLD
   B. COLOR: WHITE
   C. HEIGHT: 3.5" @ C09R
      5" @ C10L
   D. CENTER VERT. ON SIGN, U.N.O.



SIGN C09R

SIGN C10L

10 SIGN (STAIR/ ELEVATOR)
SCALE: 1 1/2" = 1'-0"

SIGN NOTES:

1. CEILING/ BOTTOM OF DECK ATTACHMENT
2. TEXT
   A. FONT: ARIAL NARROW BOLD
   B. COLOR: WHITE
   C. HEIGHT: 4"
   D. CENTER HOR. AND VERT. ON SIGN



SIGN B07

13 STAIR/ ELEVATOR
SCALE: 1 1/2" = 1'-0"

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FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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PARKING & GENERAL DETAILS

A-742

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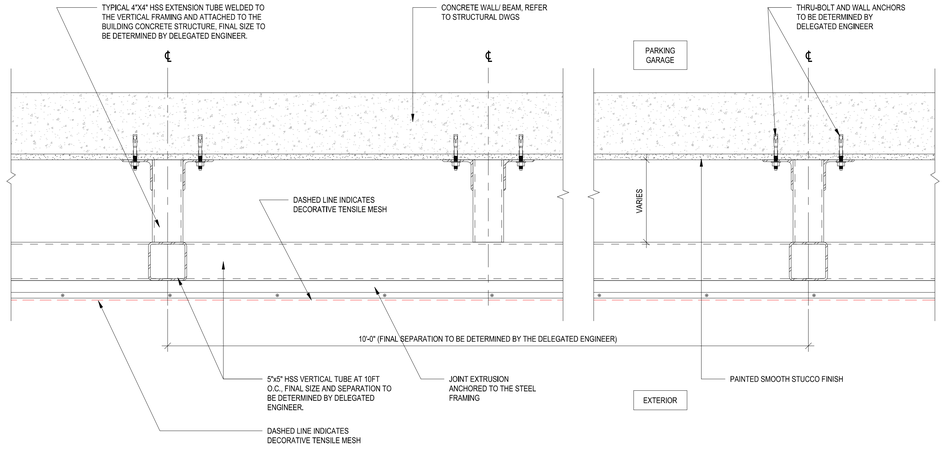
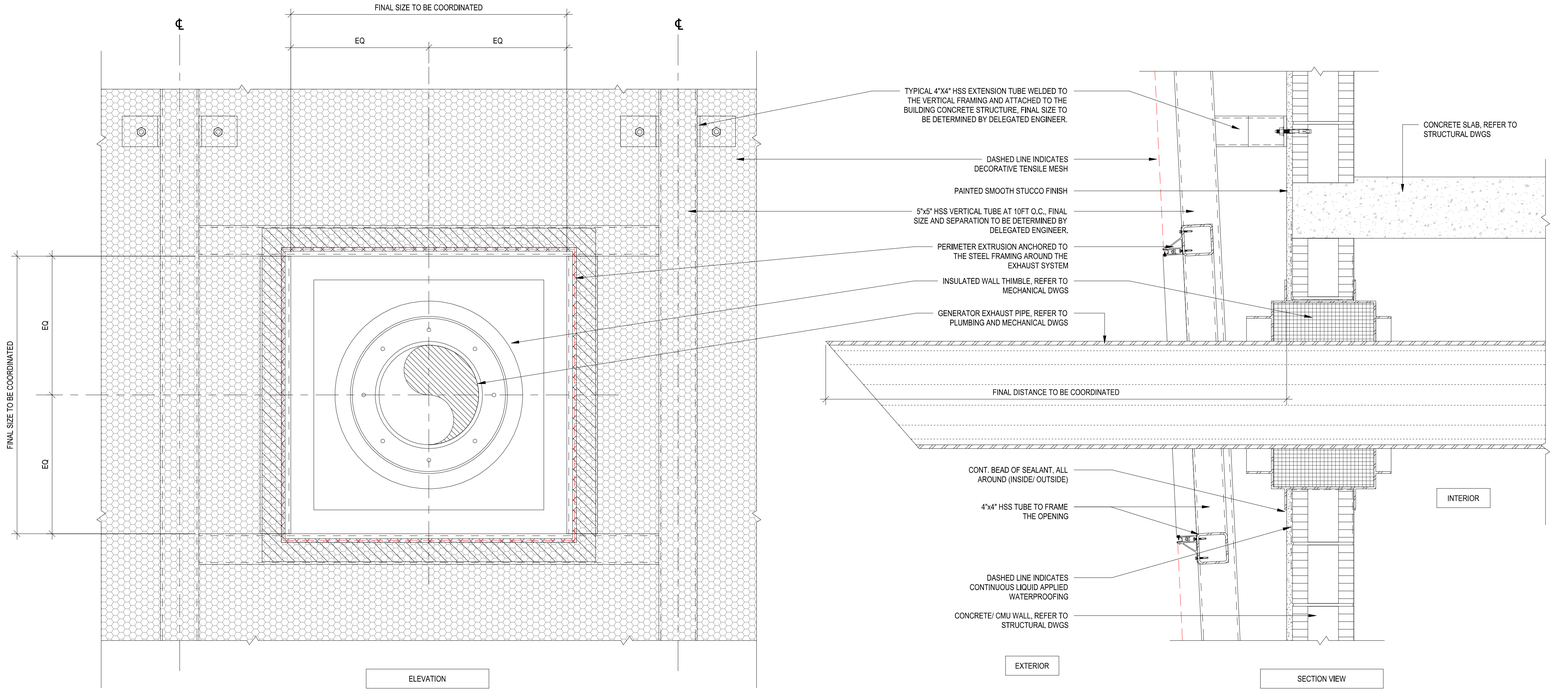
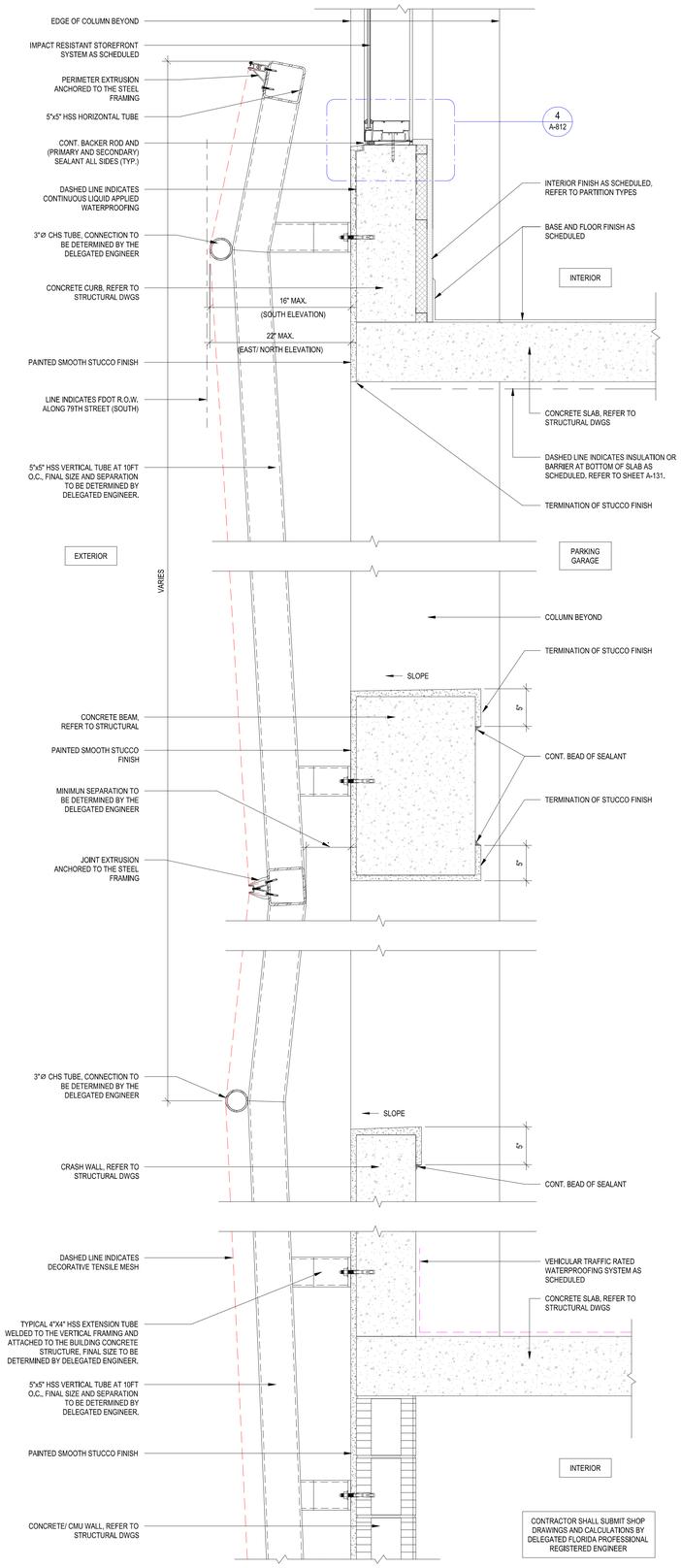


2 SCREEN FACADE ENLARGED FLOOR PLAN
SCALE: 1 1/2" = 1'-0"



3 GENERATOR EXHAUST DETAIL
SCALE: 1 1/2" = 1'-0"



1 SCREEN FACADE ENLARGED SECTION
SCALE: 1 1/2" = 1'-0"

4

REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:

1. NEW ARCHITECTURAL DECORATIVE TENSILE MESH AND FRAMING SYSTEM BY DELEGATED ENGINEER.

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MARCEL R. MORLOTE
REGISTERED ARCHITECT
STATE OF FLORIDA

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FL. ARCH. REG. NO. 9564
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SCREEN FACADE DETAILS

A-743

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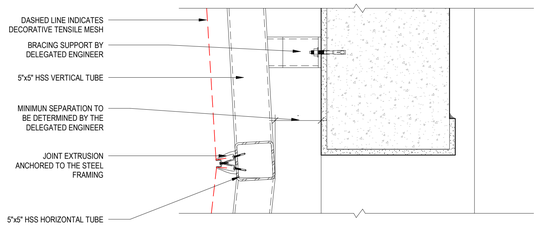
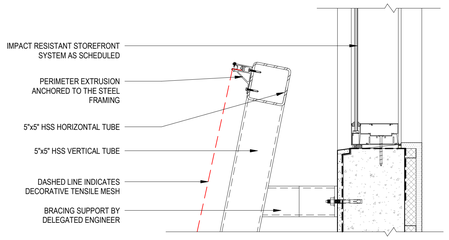
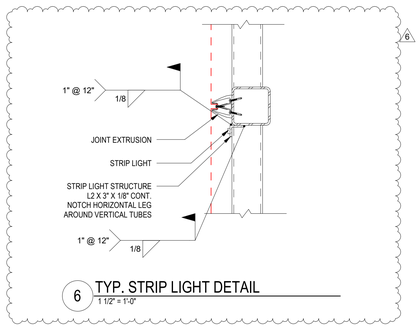


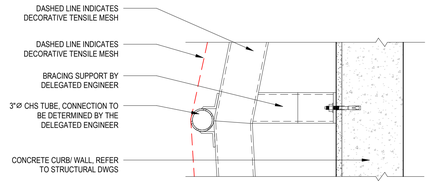
3 BREAK CONNECTION DETAIL
1 1/2" = 1'-0"



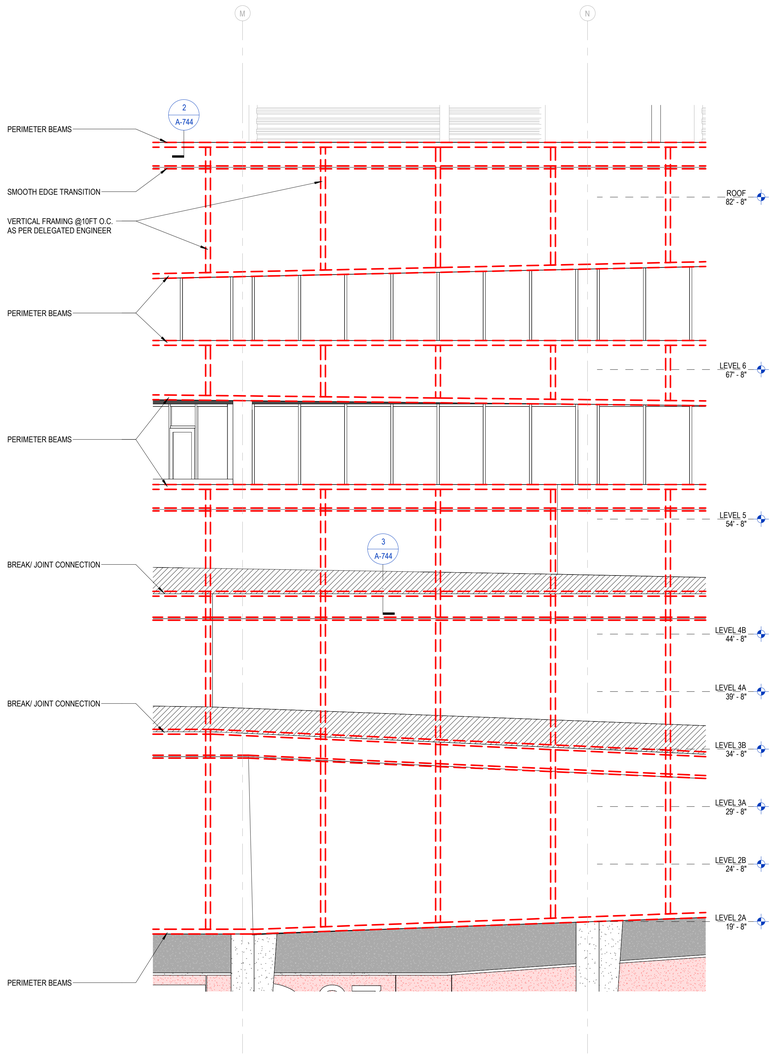
2 TOP & BOTTOM PERIMETER CONNECTION DETAIL
1 1/2" = 1'-0"



6 TYP. STRIP LIGHT DETAIL
1 1/2" = 1'-0"



4 PROJECTION DETAIL
1 1/2" = 1'-0"



1 SOUTH ELEVATION - SCREEN STRUCTURE
SCALE: 3/16" = 1'-0"

5 LOUVER EXHAUST LOUVER
1 1/2" = 1'-0"

REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:

1. NEW ARCHITECTURAL DECORATIVE TENSILE MESH AND FRAMING SYSTEM BY DELEGATED ENGINEER.

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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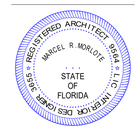

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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Project Number
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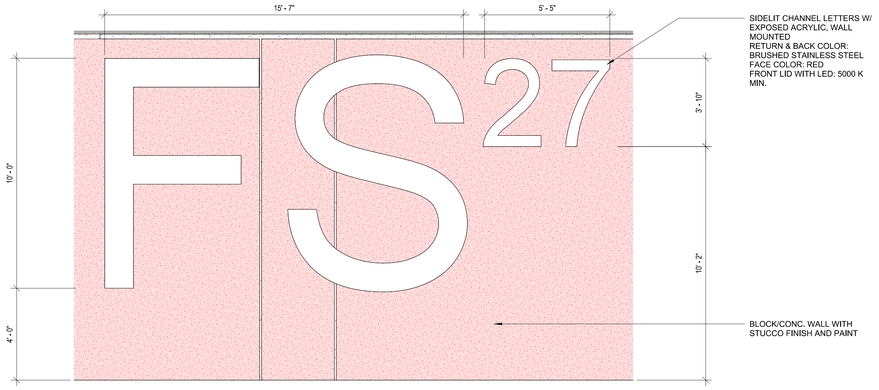
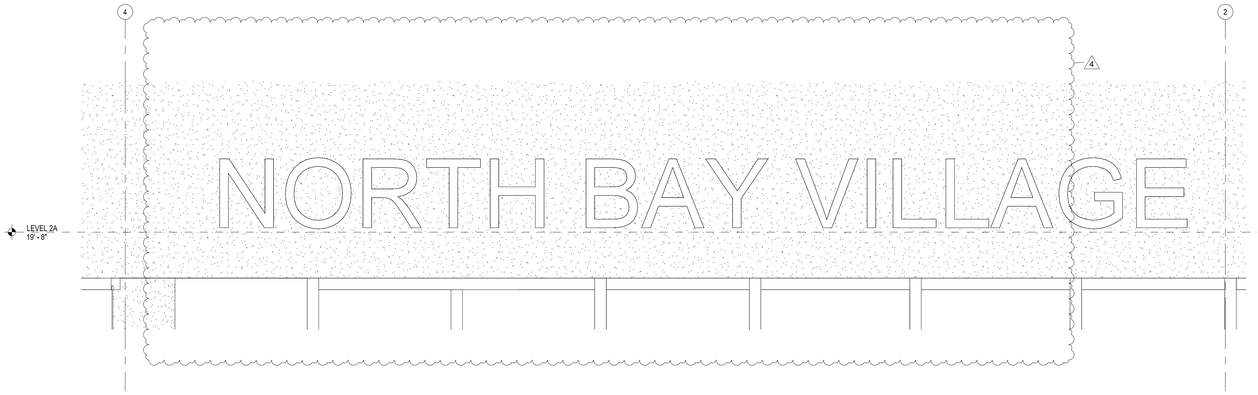
REV	DESCRIPTION	DATE
4	Plan Review	06/30/25
6	Plan Review	10/27/25

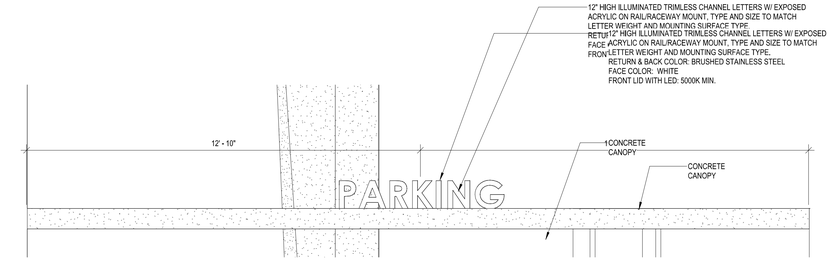
SCREEN FACADE DETAILS
NEW SHEET

A-744



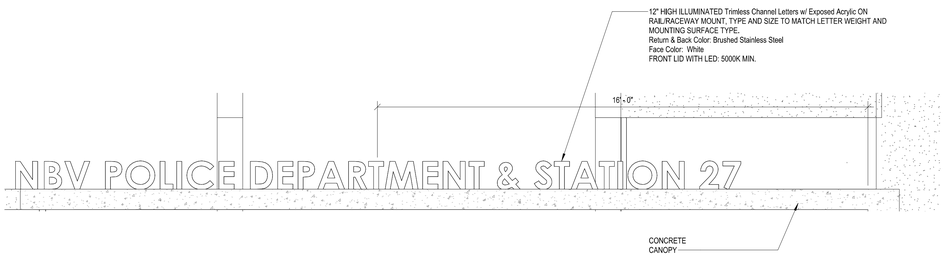
4 EXTERIOR - FS 27 SIGN
3/8" = 1'-0"



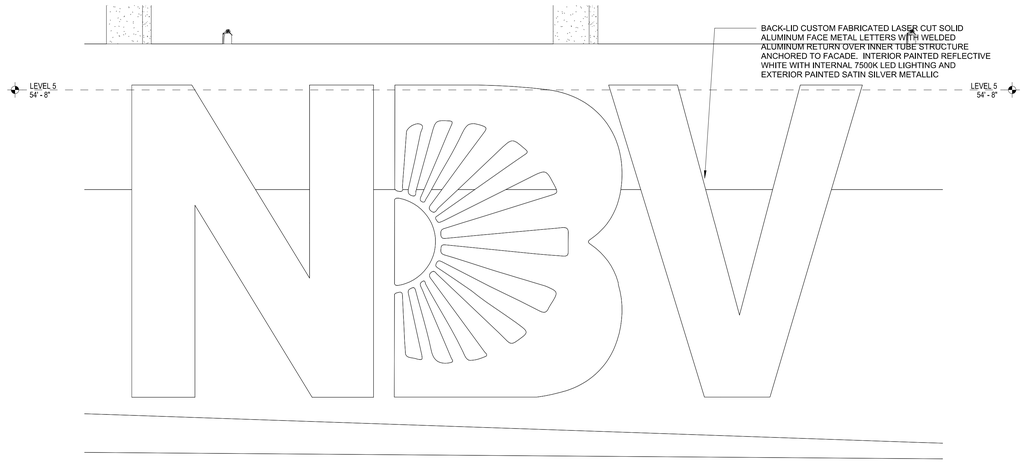


2 EXTERIOR - PARKING SIGN
1/4" = 1'-0"

1 EXTERIOR - VILLAGE HALL SIGN
3/4" = 1'-0"



3 EXTERIOR - POLICE DEPARTMENT / FIRE STATION 27 SIGN
1/2" = 1'-0"



5 EXTERIOR METAL SIGN - NORTH BAY VILLAGE NBV ICON
1/4" = 1'-0"



3/8" CUT OUT ALUMINUM LOGO W/ HIGH PERFORMANCE VINYL OVERLAY

6 MDFR MALTESE CROSS
6" = 1'-0"



SAMPLE OF BUILDING DEDICATION BRONZE PLAQUE PROVIDED BY OWNER

7 MDFR BLDG DEDICATION PLAQUE
6" = 1'-0"



3/8" CUT OUT ALUMINUM LOGO W/ HIGH PERFORMANCE VINYL OVERLAY

8 MDFR MAIMI-DADE COUNTY LOGO
1 1/2" = 1'-0"

GENERAL NOTE:

SIGNAGE SHOWN FOR REFERENCE ONLY. SHALL BE PERMITTED SEPARATELY AND DESIGNED BY A DELEGATED ENGINEER. SUBMIT SIGNED AND SEALED SHOP DRAWINGS PREPARED BY FLORIDA REGISTERED ENGINEER.

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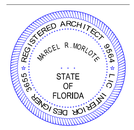

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

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Project Number
WJ 2312

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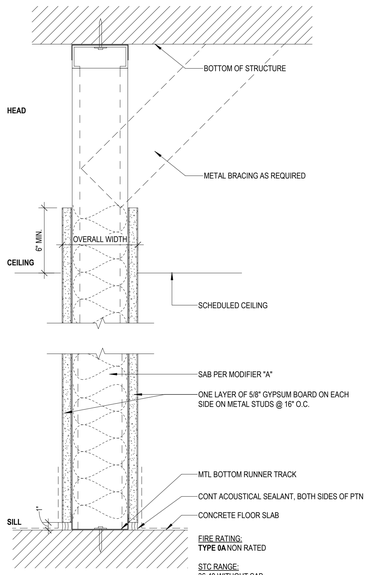
REV	DESCRIPTION	DATE
4	Plan Review	06/30/25

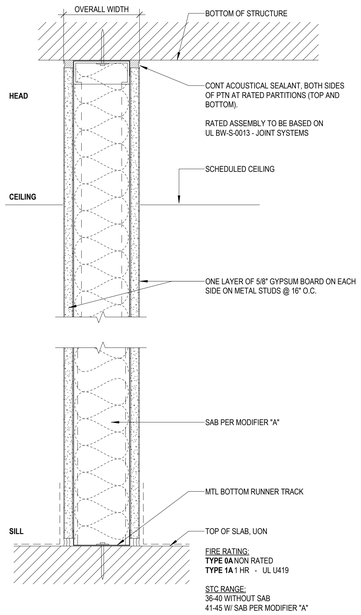
BUILDING EXTERIOR SIGNS

A-750

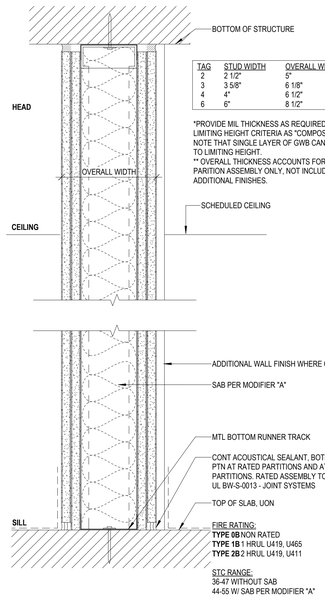
TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



A TYPE A: PARTIAL HEIGHT: NON RATED
3" = 1'-0"



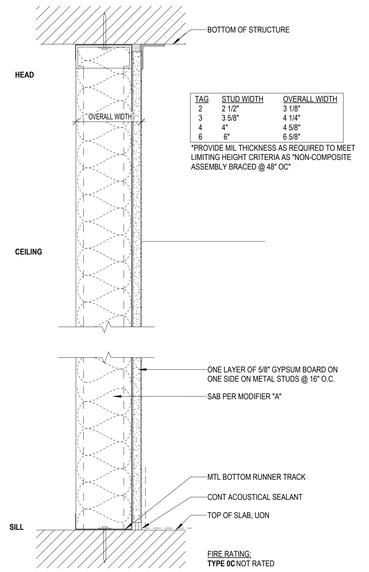
B TYPE B: FULL HEIGHT: 0- & 1-HR RATED
3" = 1'-0"



TAG	STUD WIDTH	OVERALL WIDTH**
2	2 1/2"	5"
3	3 5/8"	6 1/8"
4	4"	6 1/2"
6	6"	8 1/2"

*PROVIDE MIL THICKNESS AS REQUIRED TO MEET LIMITING HEIGHT CRITERIA AS "COMPOSITE ASSEMBLY". NOTE THAT SINGLE LAYER OF GWB CAN BE ATTRIBUTED TO LIMITING HEIGHT.
** OVERALL THICKNESS ACCOUNTS FOR FIRE RATED PARTITION ASSEMBLY ONLY, NOT INCLUDING ANY ADDITIONAL FINISHES.

C TYPE C: FULL HEIGHT: 0-, 1- & 2-HR RATED
3" = 1'-0"



TAG	STUD WIDTH	OVERALL WIDTH
2	2 1/2"	3 1/8"
3	3 5/8"	4 1/4"
4	4"	4 5/8"
6	6"	6 5/8"

*PROVIDE MIL THICKNESS AS REQUIRED TO MEET LIMITING HEIGHT CRITERIA AS "NON-COMPOSITE ASSEMBLY BRACED @ 48" OC"

D TYPE D: FULL HT FURRING: NON RATED
3" = 1'-0"

E TYPE E: BULLET RESITANT BOARD
3" = 1'-0"

F TYPE F: FURRING ON SUBSTRATE: NON RATED
3" = 1'-0"

NOTE: REFER TO LIFE SAFETY PLAN
FORFIRE RATING OF SUBSTRATE

TAG	STUD WIDTH	OVERALL WIDTH
2	2 1/2"	3 3/4"
4	4"	5 1/4"
6	6"	7 1/4"

*PROVIDE MIL THICKNESS AS REQUIRED TO MEET LIMITING HEIGHT CRITERIA AS "COMPOSITE ASSEMBLY"

G TYPE G: SHAFTWALL: 2-HR RATED
3" = 1'-0"

GENERAL NOTES

1. PROVIDE TYPE 'X' GWB AT ALL SMOKE PARTITIONS.

2. SMOKE BARRIERS SHALL RESIST THE PASSAGE OF AIR AT THE RATE OF NOT MORE THAN 5.0 CFM/SF AT BOTH AMBIENT TEMPERATURES & 400 DEG F AT A PRESSURE DIFFERENTIAL OF 0.30" WATER COLUMN.

3. MOISTURE RESISTANT, PAPERLESS, COATED FIBERGLASS MAT WATER RESISTANT GYPSUM WALL BOARD TO BE UTILIZED ON THE OUTER LAYER OF ALL PARTITIONS THAT ARE SCHEDULED TO RECEIVE CERAMIC TILE, PORCELAIN TILE, STONE TILE OR ANY MATERIAL THAT IS SECURE WITH ADHESIVES OR THIN-SET MORTARS.

4. PROVIDE 5/8" CEMENT BOARD AT ALL SHOWER AND TUB LOCATIONS. EXTEND A MINIMUM OF 12 INCHES BEYOND WET AREA AS DEFINED BY SHOWER GLASS, CURTAIN, OR TUB EDGE.

5. MOISTURE RESISTANT GWB TO BE USED AT ALL STAIR SHAFTS, ELEVATOR SHAFTS, HVAC SHAFTS, PLUMBING CHASE, EXTERIOR WALLS, JANITOR CLOSETS, MECHANICAL ROOM INCLUDING BULKHEADS, AND OTHER AREAS WERE MOISTURE COULD OCCUR AND AS SPECIFICALLY SCHEDULED AND/OR NOTED.

6. PROVIDE UL COMPLIANT FIRE AND SMOKE STOP SYSTEMS AT ALL HEAD OF WALL, BOTTOM OF WALL AND FOR ALL PENETRATIONS AND AS SPECIFICALLY SHOWN OR SCHEDULED.

7. ALL BRACING AND UNBRACED LENGTHS TO BE DESIGNED AND BASED ON SSMA (STEEL STUD MANUFACTURERS ASSOCIATION) PRODUCT TECHNICAL GUIDE [www.ssma.com].

8. SEE PROJECT SPECIFICATIONS FOR PERFORMANCE CRITERIA FOR ALL METAL FRAMED PARTITIONS.

9. STUD GAGE - 20 UON

10. PROVIDE FIRESTOPS AND SMOKE SEALS AT ALL PENETRATIONS OF FIRE RATED PARTITIONS

11. IMPACT RESISTANT GWB TO BE USED WHERE NOTED AND AT THE FOLLOWING LOCATIONS INCLUDING BUT NOT LIMITED TO: CORRIDORS, MECHANICAL ROOMS, MAINTENANCE ROOMS, AND STORAGE ROOMS.

12. CEMENT BOARD TO BE USED AT THE FOLLOWING LOCATIONS: SHOWERS, BATH.

13. SEE INTERIOR ELEVATIONS AND FINISH SCHEDULE FOR FINISHES AND WALL BASE.

14. FOR ASYMMETRICAL PARTITIONS THE EXTRA LAYER OF GYPSUM IS TO BE INSTALLED ON THE SIDE OF THE PARTITIONS WHERE THE TYPE KEY IS SHOWN.

15. PROVIDE BLOCKING IN GYPSUM WALL BOARD PARTITIONS FOR ANCHORAGE OF GRAB BARS, HANDRAILS, TELEVISION, UPPER CABINETS, OTHER WALL MOUNTED FIXTURES, AND SIMILAR ITEMS.

16. FIRE RATED PARTITIONS W/ SCHEDULED INSULATION MUST HAVE FIRE RESISTANT INSULATION.

17. ALL FIRE-RESISTANCE SHALL BE STENCILED IN RED WITH 2-INCH HIGH LETTERING TO INDICATED THE WALL IS A FIRE-RESISTANCE-RATED AND/OR SMOKE PARTITION. IF THE WALL IS FIRE-RESISTANCE RATED, INDICATE "FIRE RATED - "X" HOURS PROTECT ALL OPENINGS" AND THE APPLICABLE FIRE-RESISTANCE RATING (ONE, TWO, THREE, OR FOUR HOURS). THE STENCILING SHALL BE LOCATED ON THE FIRE-RESISTANCE-RATED WALL OR SMOKE PARTITION ABOVE CEILINGS AND AT THE EXPOSED AREAS (SUCH AS MECHANICAL AND ELECTRICAL EQUIPMENT ROOMS AND IDF ROOMS) AT 10-FOOT INTERVALS.

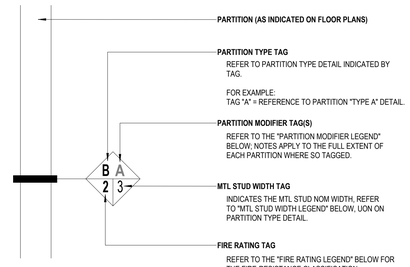
18. PROVIDE IMPACT/ ABUSE RESISTANT GWB COMPLYING W/ HARD BODY IMPACT CLASSIFICATION LEVEL 3 IN LIEU OF INNER LAYER OF GWB ON OUTER SIDE OF STAIR OR ELEVATOR INCLOSURE OR 2 LAYERS OF IMPACT RESISTANT BOARD, EA OF WHICH COMPLIES W/ HARD BODY IMPACT CLASSIFICATION LEVEL 2

19. PROVIDE A LAYER OF FIRE RATED PLYWOOD SHEETING UP TO 8'-0" HIGH INSIDE ELECTRICAL, MECHANICAL, OR IT ROOMS AS SHOWN ON PLANS. PAINT AS SCHEDULED.

20. PARTITIONS TO BE TREATED AS A SMOKE BARRIER FOR RATED PARTITION TYPES OR SMOKE PARTITION FOR NON RATED TYPES AS NOTED IN PLANS AND DETAILS.

21. PROVIDE TWO LAYERS OF DRYWALL ON EVERY INTERIOR CURVED WALL. 6

WALL TAG LEGEND



FIRE RATING LEGEND

THE COMPLETE ASSEMBLY OF EACH PARTITION W/ A FIRE/SMOKE RATING TAG SHALL COMPLY W/ ALL REQUIREMENTS OF THE FIRE-RESISTANCE/SMOKE BARRIER RATING CLASSIFICATION:

TAG RATING CLASSIFICATION

0 NON-RATED PARTITION
1 60 MIN FIRE-RESISTANCE RATED PARTITION
2 120 MIN FIRE-RESISTANCE RATED PARTITION
3 180 MIN FIRE-RESISTANCE RATED PARTITION
4 240 MIN FIRE-RESISTANCE RATED PARTITION
5 SMOKE RATED PARTITION

MTL STUD WIDTH LEGEND

TAG STUD WIDTH

0 7/8" FURRING CHANNEL
1 1-5/8"
2 2-1/2"
3 3-5/8"
4 4"
6 6"

PARTITION MODIFIER LEGEND

THE FOLLOWING NOTES APPLY TO THE FULL EXTENT OF EACH PTN, WHERE "PARTITION MODIFIER" CHARACTER(S) ARE SHOWN ON THE TAG:

TAG DESCRIPTION

A PROVIDE SAB: 2" THK AT 2-1/2" STUD; 3" THK AT 3-5/8", 4", 5" AND 6" STUDS, UON.
B USE 5/8" CEMENTITIOUS BACKER BOARD (ONE SIDE) INSTEAD OF GYP. BOARD FOR TILE APPLICATION.
C USE 5/8" CEMENTITIOUS BACKER BOARD (BOTH SIDE) INSTEAD OF GYP. BOARD FOR TILE APPLICATION.

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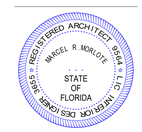

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CLIENT: NORTH BAY VILLAGE

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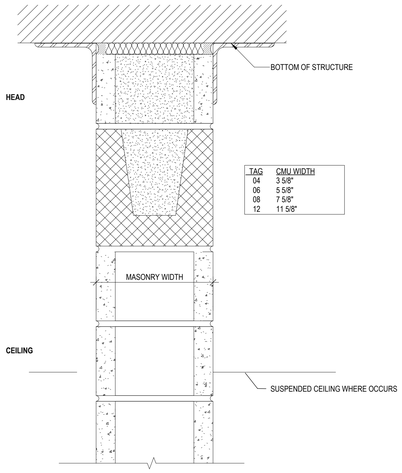
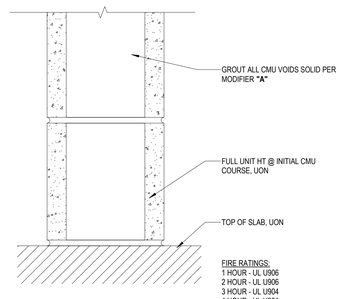
PARTITION TYPES

A-801





MA TYPE MA: CMU PTN
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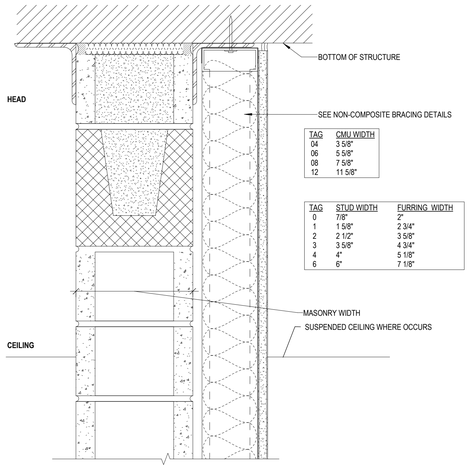
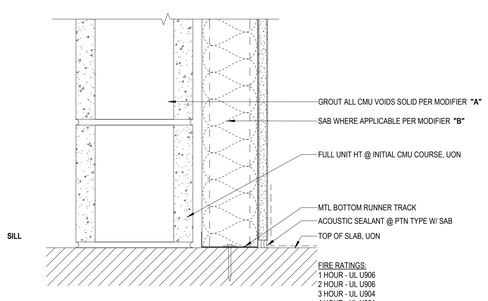
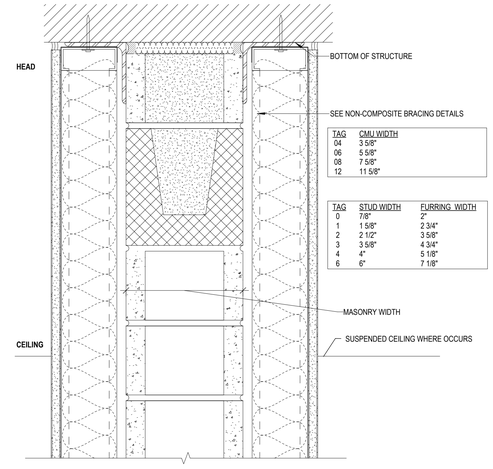
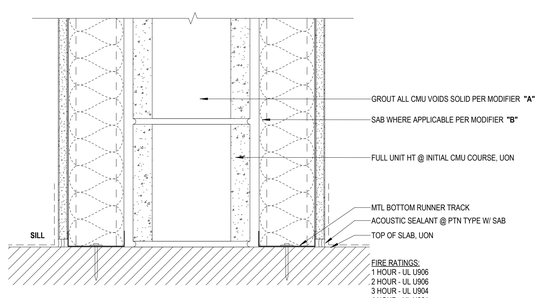




MB TYPE MB: CMU AND GWB PTN
3" = 1'-0"





MC TYPE MC: CMU AND GWB PTN EA SIDE
3" = 1'-0"

DESIGN ARCHITECT
Wannemacher Jensen Architects, Inc.
180 Mirror Lake Drive North
St. Petersburg, Florida 33701-3214
(727) 822-5566 fax (727) 822-5475
www.wjarc.com
AA0002277
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AA002416 EB 002354

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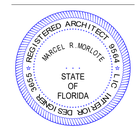


MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
This item has been digitally signed & sealed by Marcel R. Morlote, R.A. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

8/1/2024 5:32:12 PM

Project Number
WJ 2312 / WA 22303.0

DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE

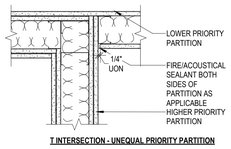
PARTITION TYPES

A-802

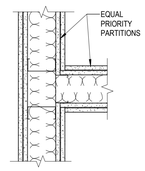
TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

PARTITION PRIORITY LEGEND	
3 HOUR SHAFTWALL	1 - HIGHEST
3 HOUR PARTITION	1
2 HOUR SHAFTWALL	2
2 HOUR PARTITION	2
1 HOUR SHAFTWALL	3
1 HOUR PARTITION	3
SMOKE PARTITION	4
NON-RATED PARTITION	5 - LOWEST

NOTE: MAINTAIN SHEATHING ON HIGHER PRIORITY WALL AT INTERSECTION WITH LOWER PRIORITY WALL AS INDICATED.



T INTERSECTION - UNEQUAL PRIORITY PARTITION



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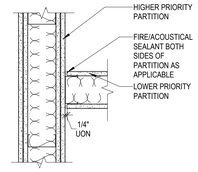

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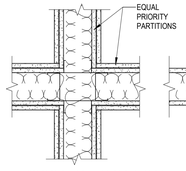

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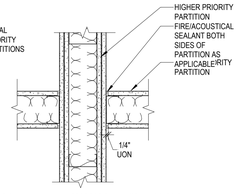
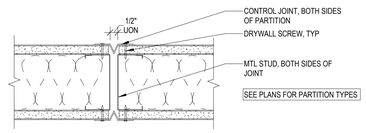
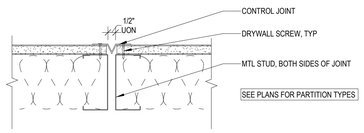


X INTERSECTION - UNEQUAL PRIORITY PARTITION

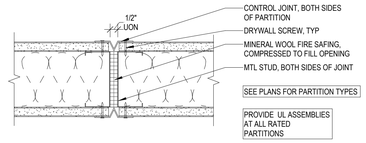
5 TYPICAL PTN INTERSECTIONS DET
1 1/2" = 1'-0"



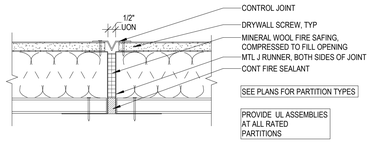
NON RATED PARTITION



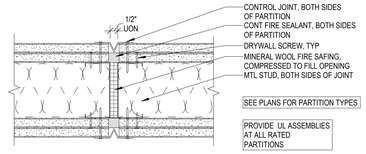
NON RATED FURRING



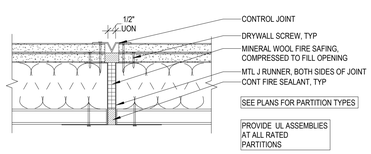
1 HR RATED PARTITION



1 HR RATED SHAFTWALL PARTITION

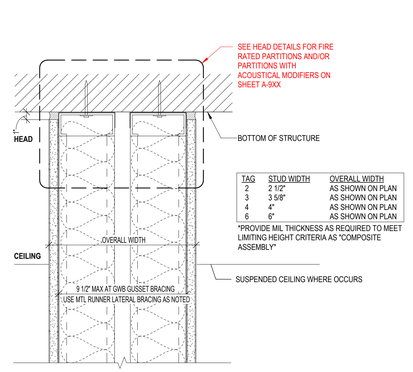


2 HR RATED PARTITION



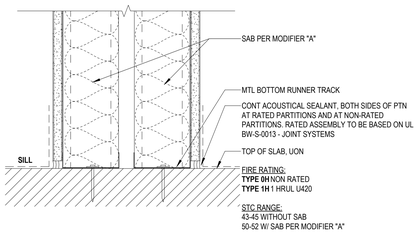
2 HR RATED SHAFTWALL PARTITION

6 TYPICAL PTN CONTROL JOINTS DET
3" = 1'-0"

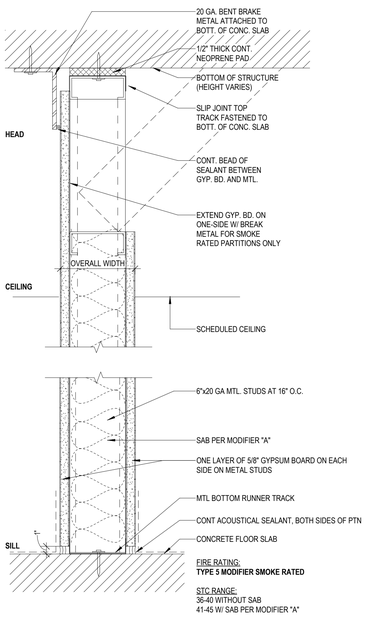


TAG	STUD WIDTH	OVERALL WIDTH
2	2 1/2"	AS SHOWN ON PLAN
3	3 5/8"	AS SHOWN ON PLAN
4	4"	AS SHOWN ON PLAN
6	6"	AS SHOWN ON PLAN

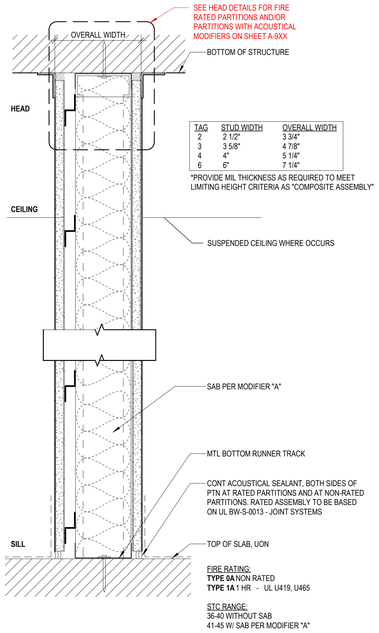
*PROVIDE MIL THICKNESS AS REQUIRED TO MEET LIMITING HEIGHT CRITERIA AS "COMPOSITE ASSEMBLY"



H TYPE H: CHASEWALL: 0- & 1-HR RATED
3" = 1'-0"



I TYPE I: VIBRATION ISOLATED
3" = 1'-0"



TAG	STUD WIDTH	OVERALL WIDTH
2	2 1/2"	3 3/4"
3	3 5/8"	4 7/8"
4	4"	5 1/4"
6	6"	7 1/4"

*PROVIDE MIL THICKNESS AS REQUIRED TO MEET LIMITING HEIGHT CRITERIA AS "COMPOSITE ASSEMBLY"

1 TYPE B: FULL HEIGHT: 0- & 1-HR RATED
3" = 1'-0"

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REGISTERED ARCHITECT MARCEL R. MORLOTE 9564 STATE OF FLORIDA

MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
This item has been digitally signed & sealed by Marcel R. Morlote, R.A. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

8/1/2024 5:32:16 PM

Project Number
WJ 2312 / WA 22303.0

DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE

PARTITION TYPES

A-803

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

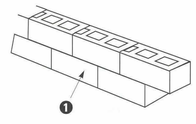
CSR

Rinker

2 Hour Fire Rating

8'' C.M.U.

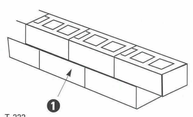
FIRE RATING: 2 HOUR NO. 10-2-333



T14

ASSEMBLY DETAILS

1. Rinker Type T-14 C.M.U., 8" x 8" x 16" nominal



T-333

ASSEMBLY DETAILS

1. Rinker type T-333 C.M.U., **12**" x 8" x 16" nominal"

*or T-335, T-338

"Rinker Materials Corporation accepts no responsibility for proper application of the rated wall assembly shown, or responsibility for the construction of said assemblies."

13

GENERAL NOTES

1. 1. ONE HOUR FIRE RATED CMU: USE CONCRETE MASONRY UNITS WITH MINIMUM FINISHED THICKNESS FACE TO FACE AS PER FBC 2010 - TABLE 720.1(2) OR RINKER TYPE T10, T11, T13, T14 CMU.

2. REFER TO LIFE SAFETY PLANS FOR LOCATIONS OF ALL FIRE RATED CMU WALLS.

UL ONLINE CERTIFICATIONS DIRECTORY

Design No. K504
BXUV.K504
Fire-resistance Ratings - ANSI/UL 263

Page Bottom

Design/System/Construction/Assembly Usage Disclaimer

- Authorities Having Jurisdiction should be consulted in all cases as to the particular requirements covering the installation and use of UL Certified products, equipment, systems, devices, and materials.
- Authorities Having Jurisdiction should be consulted before construction.
- Fire resistance assemblies and products are developed by the design submitter and have been investigated by UL for compliance with applicable requirements. The published information cannot always address every construction nuance encountered in the field.
- When field issues arise, it is recommended the first contact for assistance be the technical service staff provided by the product manufacturer. Users of UL Certified fire resistance designs and assemblies are advised to consult the general Guide information for each product category and each group of assemblies. The Guide Information includes specifics concerning alternate materials and alternate methods of construction.
- Only products which bear UL's Mark are considered Certified.

BXUV - Fire Resistance Ratings - ANSI/UL 263

BXUV7 - Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

See General Information for Fire-resistance Ratings - ANSI/UL 263

See General Information for Fire Resistance Ratings - CAN/ULC-S101 Certified for Canada

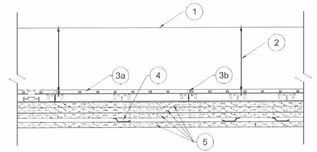
Design No. K504

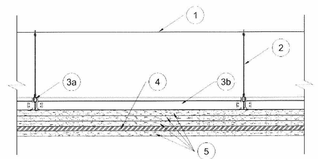
August 27, 2015

Nonbearing Horizontal Fire Separation — 2 Hr.

Load Restriction - Limited to the Dead Weight of the Assembly.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**





1. **Supporting Structure** — Suitable point of attachment for hanger wire (Item 2).

2. **Hanger Wire** — No. 12 SWG galv steel wire, twist-tied or fastened to supporting structure. Located 24 in. O.C. along main runners.

3. **Steel Framing Members*** — Main runners, cross tees, cross channels and wall angle as listed below:

   a. **Main Runners** — Nom 10 or 12 ft long , 15/16 in. or 1-1/2 in. wide face, spaced 4 ft OC. Main runners suspended by min 12 SWG galv steel hanger wires spaced 24 in. OC, twist tied to supporting structure.

   b. **Cross Tees** — Nom 4 ft long, 1-1/2 in. wide face, installed perpendicular to the main runners, spaced 16 in. OC. The cross tees or cross channels may be riveted or screw attached to the wall angle or channel to facilitate the ceiling installation.

   c. **Cross Channels** — Nom 4 ft long, installed perpendicular to main runners, spaced 16 in. OC.

   d. **Wall Angle or Channel** — Painted or galv steel angle with 1 in. legs or channel with 1 in. legs, 5/8 in. deep, fastened to and around perimeter of ceiling with fasteners 18 in. OC. To support steel framing member ends and for screw attachment of the gypsum panel.

   USG INTERIORS LLC — Type DGL or RX.

4. **Resilient Channels** — Formed from min 25 MSG galv steel installed perpendicular to structural members spaced 16 in. OC. Channels overlapped 4 in. at splices and secured to steel framing members with 2-1/4 in. long Type S steel screws after first, second and third layers of gypsum board are secured to steel framing members. Two channels, spaced 6 in. OC, oriented opposite each gypsum board and joint as shown on the illustration above.

4A. **Furring Channels** — (Alternate to Item 4) Hat shaped channels, 7/8 in. deep, formed from min 25 MSG galv steel installed perpendicular to steel framing members spaced 16 in. OC. Furring channels overlapped 2-1/2 in. at splices and secured to steel framing members with two 2-1/4 in. long Type S steel screws after first, second and third layers of gypsum board are secured to steel framing members. Two channels, spaced 6 in. OC, oriented opposite each gypsum board and joint.

5. **Gypsum Board*** — Four layers of nom 5/8 in. thick, 4 ft wide gypsum board. First three layers installed with long dimension perpendicular to cross-tees. Adjacent butt joints staggered approximately 16 in. OC with butt joints centered over cross-tees. Fourth layer installed with long dimension parallel to cross-tees with joints offset 10 in. from parallel joints. Base layer fastened to suspension system with 1-1/4 in. long Type S or S-12 steel screws spaced 12 in. OC. Second layer secured to suspension system with 2 in. long Type S or S-12 steel screws spaced 12 in. OC. Third layer secured to suspension system with 2-1/2 in Type S or S-12 steel screws spaced 12 in. OC. Fourth layer secured to resilient channels or furring channels with 1 in. long Type S steel screws spaced 12 in. OC. Screws to be spaced 1/2 in. from butted end joints and 1 in. from side joints.

   UNITED STATES GYPSUM CO — Types C, IP-X1, IP-X2, SCX

   USG BORAL ZAWAWI DRYWALL L L C SF2 — Types C, SCX

6. **Finishing System —** (Not Shown) - Vinyl, dry or premixed joint compound, applied in two coats to joints and screw-heads. Nom 2 in. wide paper tape embedded in first layer of compound over all joints. As an alternate, nom 3/32 in. thick veneer plaster may be applied to the entire surface of gypsum board.

*** Indicates such products shall bear the UL or cUL Certification Mark for jurisdictions employing the UL or cUL Certification (such as Canada), respectively.**

Last Updated on 2015-08-27

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Classified UL System

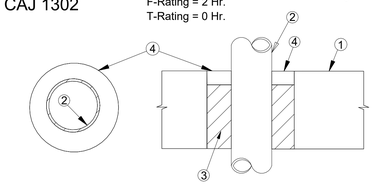
CAJ 1302

2 Hour Fire Rated Through Penetration Firestop for Single Metal Pipe through Concrete Floors or Walls using TREMstop IA.

TREMCO®
3735 Green Rd.
Beachwood, OH, 44122

Drawing not to scale

F-Rating = 2 Hr.
T-Rating = 0 Hr.



1. Pre-Rated Concrete Floors or Block Walls = Min. 4-1/2" thickness.
2. Metallic Pipe: A) Steel Pipe - 8" diam. (or smaller) Sch. 10 (or heavier) steel pipe.
   B) Iron Pipe - 8" diam. (or smaller) cast or ductile iron pipe.
   C) Conduit - 4" diam. (or smaller) EMT or steel conduit.
   D) Copper Tubing - 4" diam. (or smaller) Type L (or heavier) copper tubing.
   E) Copper Pipe - 4" diam. (or smaller) Regular (or heavier) copper pipe.
3. Packing Material- See table below for mineral wool insulation (min. 4.0 pcf) requirements.
4. TREMstop IA- See table below for minimum thickness of sealant. Apply sealant flush with top of floor surface or with both sides of the wall assembly.

Annular Space Range, in.	Min. Packing Material Thickness, in.	Min. Thickness of Sealant, in.	F-Rating Hr.
1/2 to 1-3/8	0	1	2
1/2 to 1-3/8	4	1/2	2

Project: _____
Location: _____
Installer: _____
Signature: _____

The Tremco products used above have been tested in accordance with the following: ASTM E814 (UL1479) Standard Test Method for Through Penetration Firestopping.

Date: 9/16/98 Drawing: TR-1302
Approved by: M. Starr

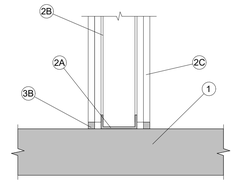
The above described assembly has been tested and is based on both past and anticipated performance criteria. Tremco shall not be liable for any damages, direct or consequential, resulting from use of this material or design. Tremco shall only be responsible for replacing material found to be defective.

Tremco Incorporated
Sealants & Waterproofing Division
Integrated Technical Solutions Dept.
3735 Green Rd., Beachwood, OH 44122
Toll Free: 866-209-7050
www.tremcofirestop.com

System No. BW-S-0006
March 12, 2004
Assembly Ratings - 1 and 2 Hr (See Item 2)
Joint Width - 1 In. (25 mm) Max

TREMCO®

Drawing Not to Scale



1. **Floor Assembly** - Min 4-1/2 in. (114 mm) thick reinforced lightweight or normal weight (100 -150 pcf (1600-2400 kg/cu meter)) structural concrete. Floor may also be constructed of any 6 in. (152 mm) thick UL Classified hollow-core **Precast Concrete Units*.** See **Precast Concrete Units** category in the Fire Resistance Directory for names of manufacturers.
2. **Wall Assembly** - The 1 or 2 h fire-rated gypsum board/steel stud wall assembly shall be constructed of the materials and in the manner specified in the individual U400 or V400 Series Wall or Partition Design in the UL Fire Resistance Directory. In addition, the wall may incorporate a head-of-wall joint system constructed as specified in the HW Series Joint Systems in the UL Fire Resistance Directory. The wall shall include the following construction features:
   A. **Steel Floor Runner** - Floor runners of wall assembly shall consist of min No. 25 gauge galv steel channels sized to accommodate steel studs (Item 2B). Floor runners to be provided with min 1-1/4 in. (32 mm) flanges. Runners secured with steel fasteners spaced 12 in. (305 mm) OC.
   B. **Studs** - Steel studs to be min 2-1/2 in. (64 mm) wide. Studs cut 1/2 to 3/4 in. (13 to 19 mm) less in length than assembly height with bottom nesting in, resting on and fastened to floor runner with sheet metal screws. Stud spacing not to exceed 24 in. (610 mm) OC.
   C. **Gypsum Board*** - Gypsum board installed to a min total thickness of 5/8 in. (16 mm) or 1-1/4 in. (32 mm) on each side of wall for a 1 or 2 hr rated wall, respectively. Wall to be constructed as specified in the individual U400 or V400 Series Design in the UL Fire Resistance Directory except that a max 1 in. (25 mm) gap shall be maintained between the bottom of the gypsum board and the top of the concrete floor.
   The hourly fire rating of the joint system is equal to the hourly fire rating of the wall
3. **Joint System - Max separation between top of floor and bottom of gypsum board is 1 in. (25 mm).** The joint system consists of a packing material and a fill material, as follows:
   A. **Packing Material** - (Optional, Not Shown) - Foam backer rod firmly packed into the gap between the bottom of the gypsum board and the top of the concrete floor and recessed from each surface of the wall to accommodate the required thickness of fill material.
   B. **Fill, Void or Cavity Material*-Sealant** - Min 1/2 in. (13 mm) thickness of fill material installed on each side of the wall between the bottom of the gypsum board and the top of the concrete floor, flush with each surface of the wall.
   TREMCO INC - TREMstop Acrylic, TREMstop Intumescent Acrylic (IA) or TREMstop Silicone (Fyre-Sil)
   *Bearing the UL Classification Mark

Reproduced courtesy of Underwriters Laboratories, Inc. See UL Fire Resistance Directory for additional information.

(UL©cUL)

Helping Contractors Win
TREMCO Construction Products Group
Fire Protection Systems Group

Classified UL System

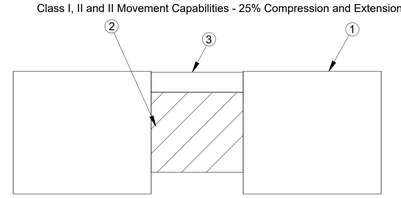
FFD 0009

2 Hour Fire Rated Joints in Concrete Floors using DYMERIC 511.

TREMCO®
3735 Green Rd.
Beachwood, OH, 44122

Drawing not to scale

Class I, II and II Movement Capabilities - 25% Compression and Extension



1. Pre-Rated Concrete Floors - Minimum 4-1/2" thickness.
   Max. Joint Width = 2".
2. Packing Material - Min. 4" thickness of mineral wool insulation (min. 4.0 pcf) firmly packed into the opening as a permanent form.
3. DYMERIC 511 - Min. 1/2" thickness of sealant applied within opening, flush with top of floor.

Project: _____
Location: _____
Installer: _____
Signature: _____

The Tremco products used above have been tested in accordance with the following: UL 2079 - Test for Fire Resistance of Building Joint Systems.

Date: 12/09/98 Drawing: TF-0009
Approved by: J. Pitcole

The above described assembly has been tested and is based on both past and anticipated performance criteria. Tremco shall not be liable for any damages, direct or consequential, resulting from use of this material or design. Tremco shall only be responsible for replacing material found to be defective.

Classified UL System

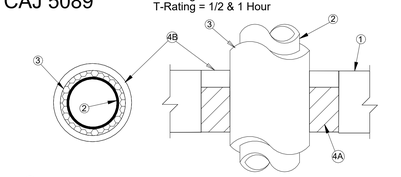
CAJ 5089

2 Hour Fire Rated Through Penetration Firestop for Insulated Metal Pipe through Concrete Floors or Walls using TREMstop Acrylic.

TREMCO®
3735 Green Rd.
Beachwood, OH, 44122

Drawing not to scale

F-Rating = 2 Hour
T-Rating = 1/2 & 1 Hour



1. Pre-Rated Concrete Floor or Wall Assembly = Min. 4-1/2" thickness
2. Metallic Pipe: > Steel Pipe - 8" diam. (or smaller) Sch.40 (or heavier) steel.
   > Iron Pipe - 8" diam. (or smaller) cast or ductile iron.
   > Copper Pipe - 4" diam. (or smaller) Regular (or heavier) copper.
   > Copper Tubing - 4" diam. (or smaller) Type L (or heavier) copper tubing.
3. Pipe Covering - Nom. 1" thick (or less) fiberglass insulation.
4. Firestop Treatment:

Pipe Type	Annular Space, in.	T Rating, H
Steel Pipe	1/2 to 1	1
Iron Pipe	1/2 to 1	1
Copper Pipe	3/8 to 1-1/2	1/2
Copper Tube	3/8 to 1-1/2	1/2

4A. Packing Material - Min. 4" thickness of mineral wool insulation (min. 4.0 pcf) firmly packed into opening as a permanent form.
4B. TREMstop Acrylic - Min. 1/2" thickness of sealant applied within opening, flush with top of floor or both sides of wall.

Project: _____
Location: _____
Installer: _____
Signature: _____

The Tremco products used above have been tested in accordance with the following: ASTM E814 (UL1479) Standard Test Method for Through Penetration Firestopping.

Date: 5/30/96 Drawing: TR-5089
Approved by: J. Pitcole

The above described assembly has been tested and is based on both past and anticipated performance criteria. Tremco shall not be liable for any damages, direct or consequential, resulting from use of this material or design. Tremco shall only be responsible for replacing material found to be defective.

Classified UL System

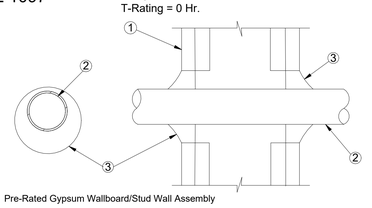
WL 1097

1 or 2 Hour Fire Rated Through Penetration Firestop for Single Metal Pipe through Gypsum Walls using FYRE-SHIELD.

TREMCO®
3735 Green Rd.
Beachwood, OH, 44122

Drawing not to scale

F-Rating = 1 and 2 Hr.
T-Rating = 0 Hr.



1. Pre-Rated Gypsum Wallboard/Stud Wall Assembly
2. Metallic Pipe - A) Steel Pipe - 8" diam. (or smaller) Sch. 40 (or heavier) steel pipe.
   B) Iron Pipe - 8" diam. (or smaller) cast or ductile iron pipe.
   C) Conduit - 4" diam. (or smaller) EMT or rigid steel conduit.
   D) Copper Tubing - 4" diam. (or smaller) Type L (or heavier) copper tubing.
   E) Copper Pipe - 4" diam. (or smaller) Regular (or heavier) copper pipe.
   The annular space shall be min. 1/4" to max. 5/8" within the firestop system.
3. FYRE-SHIELD - Min. 1/2" thickness of sealant applied within opening. Additional sealant to be installed such that a min. 1/4" crown is formed around the penetrating item.

Project: _____
Location: _____
Installer: _____
Signature: _____

The Tremco products used above have been tested in accordance with the following: ASTM E814 (UL1479) Standard Test Method for Through Penetration Firestopping.

Date: 4/23/97 Drawing: TW-1097
Approved by: J. Pitcole

The above described assembly has been tested and is based on both past and anticipated performance criteria. Tremco shall not be liable for any damages, direct or consequential, resulting from use of this material or design. Tremco shall only be responsible for replacing material found to be defective.

Classified UL System

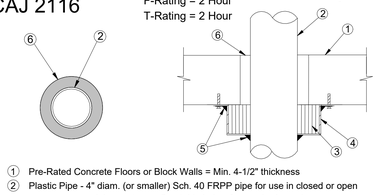
CAJ 2116

2 Hour Fire Rated Through Penetration Firestop for Plastic Pipe through Concrete Floors or Walls using TREMstop WS and TREMstop MCR.

TREMCO®
3735 Green Rd.
Beachwood, OH, 44122

Drawing not to scale

F-Rating = 2 Hour
T-Rating = 2 Hour



1. Pre-Rated Concrete Floors or Block Walls = Min. 4-1/2" thickness
2. Plastic Pipe - 4" diam. (or smaller) Sch. 40 FRPP pipe for use in closed or open piping systems. See table below for required annular space.
3. TREMstop WS - Intumescent wrap strips, continuously wrapped around outer circumference of the pipe. See table below for min. wraps required.

Pipe Diam. in.	Annular Space in.	Min. No. of Wrap Strip Layers
2	1/4 to 3/8	3
3	1/4	4
4	1/4	6

4. TREMstop MCR - Prefabricated steel collar wrapped over the wrap strips (Item 3) and mechanically fastened to the floor or wall assembly.
5. TREMstop WBM - Min. 1/4" bead of sealant applied at the interface of the concrete slab and steel collar, and at the interface of the steel collar and pipe.
6. Mortar - Min. 4-1/2" thickness of mortar or hydraulic cement applied within annulus, flush with both surfaces of floor or wall assembly.

NOTE: In floors, apply below the concrete slab. In walls, apply to each side of assembly.

Project: _____
Location: _____
Installer: _____
Signature: _____

The Tremco products used above have been tested in accordance with the following: ASTM E814 (UL1479) Standard Test Method for Through Penetration Firestopping.

Date: 3/07/97 Drawing: TR-2116
Approved by: J. Pitcole

The above described assembly has been tested and is based on both past and anticipated performance criteria. Tremco shall not be liable for any damages, direct or consequential, resulting from use of this material or design. Tremco shall only be responsible for replacing material found to be defective.

Classified UL System

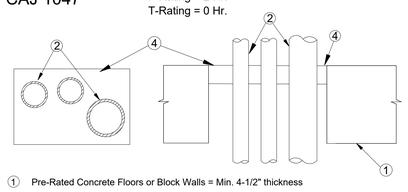
CAJ 1047

2 Hour Fire Rated Through Penetration Firestop for Multiple Metal Pipe through Concrete Floors or Walls using FYRE-SHIELD.

TREMCO®
3735 Green Rd.
Beachwood, OH, 44122

Drawing not to scale

F-Rating = 2 Hr.
T-Rating = 0 Hr.



1. Pre-Rated Concrete Floors or Block Walls = Min. 4-1/2" thickness
   Max. Area of Opening = 288 sq. in., with a Max. Dimension of 24".
2. Metallic Pipe: A) Steel Pipe - 8" diam. (or smaller) Sch. 40 (or heavier) steel pipe.
   B) Conduit - 4" diam. (or smaller) EMT or 6" diam. (or smaller) steel conduit.
   C) Iron Pipe - 8" diam. (or smaller) cast or ductile iron pipe.
   D) Copper Tubing - 4" diam. (or smaller) Type L (or heavier) copper tubing.
   E) Copper Pipe - 4" diam. (or smaller) Regular (or heavier) copper pipe.
   NOTE: The maximum number of pipes within opening is 3. The annular space between pipes shall be min. 1-1/2" and a min. 1/2" between pipes and edge of opening.
3. Forming Material - (Not Shown, Optional) Nom. 1" thick polyurethane backer rod firmly packed into the opening as a permanent form.
4. FYRE-SHIELD - Min. 1/2" thickness mastic applied within annulus, flush with top surface of floor or with both surfaces of the wall assembly.

Project: _____
Location: _____
Installer: _____
Signature: _____

The Tremco products used above have been tested in accordance with the following: ASTM E814 (UL1479) Standard Test Method for Through Penetration Firestopping.

Date: 9/11/96 Drawing: TR-1047
Approved by: J. Pitcole

The above described assembly has been tested and is based on both past and anticipated performance criteria. Tremco shall not be liable for any damages, direct or consequential, resulting from use of this material or design. Tremco shall only be responsible for replacing material found to be defective.

Classified UL System

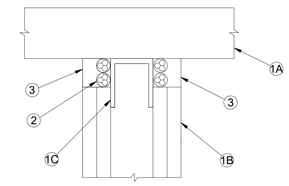
HWD 0016

1 or 2 Hour Fire Rated Joints for Concrete Floors and Gypsum Walls using TREMstop Acrylic.

TREMCO®
3735 Green Rd.
Beachwood, OH, 44122

Drawing not to scale

Movement Capabilities = 25% Compression



1. A) Pre-Rated Concrete Floor: Min. 4-1/2" Thickness
   B) Pre-Rated Gypsum Wallboard/Stud Wall Assembly
   C) Steel Floor and Ceiling Runners - Min. 28 gauge galv. steel channels mechanically fastened to the lower surface of the floor assembly.
   Max. Joint Width = 1".
2. Packing Material - For 1 Hr F-Rating: Install Bond Breaker Tape prior to applying sealant.
   For 2 Hr F-Rating: Install 2 layers of 7/8" diam. polyurethane backer rod.
3. TREMstop Acrylic - Min. 1/2" thickness of sealant applied within opening, flush with both surfaces of the wall assembly.

Project: _____
Location: _____
Installer: _____
Signature: _____

The Tremco products used above have been tested in accordance with the following: UL 2079 - Tests for Fire Resistance of Building Joint Systems.

Date: 9/26/96 Drawing: TH-0016
Approved by: J. Pitcole

The above described assembly has been tested and is based on both past and anticipated performance criteria. Tremco shall not be liable for any damages, direct or consequential, resulting from use of this material or design. Tremco shall only be responsible for replacing material found to be defective.

DESIGN ARCHITECT
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AA002416 EB 002354

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MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564

This item has been digitally signed & sealed by Marcel R. Morlote, R.A. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA, 33140

8/1/2024 5:32:23 PM

Project Number
WJ 2312 / WA 22303.0

DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE

UL DESIGN

A-809

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

DOOR SCHEDULE - NBV

DOOR #	From Room: Name	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR MAT'L	FRAME MAT'L	FIRE RATING	CARD READER	COMMENTS
BASE FLOOD ELEV.									
ST-101A	STAIR 1	B	3' - 0"	7' - 0"		HM	B/90 MIN.	Yes	450° F Rate of rise
LEVEL 1									
001	FPL VAULT	G	8' - 0"	7' - 0"	HM	HM		No	DBL Door
002	MAIN ELEC. SWITCH ROOM	B	3' - 0"	7' - 0"	HM	HM		No	
003	TRASH ENCLOSURE	G	8' - 0"	7' - 0"	HM	HM		No	DBL Door
004	FIRE PUMP ROOM	F	6' - 0"	7' - 0"	HM	HM	B/90 MIN.	No	DBL Door
100	ENTRY LOBBY	L	6' - 0"	8' - 0"	AL/GL	AL		Yes	DBL Door
101	JAN.	B	3' - 0"	7' - 0"	HM	HM			
103	UNISEX RR	B	3' - 0"	7' - 0"	HM	HM		No	
104	MECH.	J	6' - 0"	7' - 0"	HM	HM	20 min		DBL Door
105A	FRONT COUNTER	A	3' - 0"	7' - 0"	HM	HM		Yes	
105B	FRONT COUNTER	J	3' - 0"	8' - 0"	AL/GL			Yes	
106	MANAGER'S OFFICE	K	3' - 0"	8' - 0"	AL/GL	AL			
109	BUILDING REVIEWER WORKROOM	A	3' - 0"	7' - 0"	HM	HM			
110	UNISEX RR	B	3' - 0"	7' - 0"		HM			
FS100	PUBLIC ENTRY CORRIDOR FD/PD	N	6' - 0"	8' - 0"	GL				DBL Door
FS100A	APPARATUS BAY	B	3' - 0"	7' - 0"	HM	HM	B/90 MIN.	Yes	
FS101	RECEPTION	J	3' - 2"	8' - 0"	AL/GL				
FS101.1	UNISEX RR	B	3' - 0"	7' - 0"	HM	HM			
FS102A	RECEPTION	A	3' - 0"	7' - 0"	HM	HM			
FS102B	I.T. OFFICE	DD	3' - 0"	7' - 0"	HM	HM			180° Swing
FS103	VESTIBULE	B	3' - 0"	7' - 0"	HM	HM	C/60 MIN.	Yes	
FS103.4	INTERIOR CORRIDOR	B	3' - 0"	7' - 0"	HM	HM	B/90 MIN.		
FS104	PANTRY	A	3' - 0"	7' - 0"	HM	HM			
FS105	COVERED PATIO	B	3' - 0"	7' - 0"	HM	HM			
FS105.2	ELECTRICAL	B	3' - 0"	7' - 0"	HM	HM			
FS106	UNISEX RR	A	3' - 0"	7' - 0"	WD	HM			
FS108	DORM-1	A	3' - 0"	7' - 0"	WD	HM			
FS109	BATH - 1	A	3' - 0"	7' - 0"	WD	HM			
FS110	DORM-2	A	3' - 0"	7' - 0"	WD	HM			
FS111A	DORM HALL	B	3' - 0"	7' - 0"	HM	HM	20 MIN.		
FS112	DORM-3	A	3' - 0"	7' - 0"	WD	HM			
FS113	BATH - 2	A	3' - 0"	7' - 0"	WD	HM			
FS114	DORM-4	A	3' - 0"	7' - 0"	WD	HM			
FS115	DORM-6	A	3' - 0"	7' - 0"	WD	HM			
FS116	BATH - 3	A	3' - 0"	7' - 0"	WD	HM			
FS117	DORM-5	A	3' - 0"	7' - 0"	WD	HM			
FS118A	DORM HALL	B	3' - 0"	7' - 0"	HM	HM	20 MIN.		
FS118B	TERRACE	B	3' - 0"	7' - 0"	HM	HM			180° Swing
FS119	DORM-7	A	3' - 0"	7' - 0"	WD	HM			
FS120	BATH-4	A	3' - 0"	7' - 0"	WD	HM			
FS121	DORM-8	A	3' - 0"	7' - 0"	WD	HM			
FS122	OIC DORM	B	3' - 0"	7' - 0"	HM	HM	20 MIN.		
FS122.1	OIC BATH	A	3' - 0"	7' - 0"	WD	HM			
FS123	DECON. ZONE	CC	3' - 0"	7' - 0"	WD	HM	B/90 MIN.		180° Swing
FS123.1	BATH-5	EE	3' - 0"	7' - 0"	WD	HM	C/45 MIN.		180° Swing
FS123.3A	STORAGE ROOM	X	3' - 0"	7' - 0"	HM	HM	B/90 MIN.		180° Swing
FS124A	APPARATUS BAY	P	14' - 0"	14' - 0"	-				
FS124B	APPARATUS BAY	P	14' - 0"	14' - 0"	-				
FS124C	APPARATUS BAY	P	14' - 0"	14' - 0"	-				
FS124D	APPARATUS BAY	P	14' - 0"	14' - 0"	-				
FS124E	APPARATUS BAY	B	3' - 0"	7' - 0"	HM	HM			
FS124F	APPARATUS BAY	B	3' - 0"	7' - 0"	HM	HM	B/90 MIN.		
FS126	BUNKER GEAR ROOM	B	3' - 0"	7' - 0"	HM	HM	B/90 MIN.		
FS127	APPARATUS BAY	B	3' - 0"	7' - 0"	HM	HM	C/60 MIN.		
FS128A	BIO-HAZARD ROOM	F	3' - 6"	7' - 0"	HM	HM	C/60 MIN.		180° Swing
FS128B	BIO-HAZARD ROOM	D	3' - 6"	7' - 0"	HM	HM			180° Swing
FS129	CUSTODIAL ROOM	B	3' - 0"	7' - 0"	HM	HM	C/60 MIN.		
FS130	OIC OFFICE	A	3' - 0"	7' - 0"	HM	HM			
FS131	STUDY ROOM	A	3' - 0"	7' - 0"	HM	HM			
FS132	STUDY ROOM	B	3' - 0"	7' - 0"	HM	HM			
FS133	MECH ROOM	B	3' - 0"	7' - 0"	HM	HM	C/45 MIN.		180° Swing
ST-101B	STAIR 1	D	3' - 0"	7' - 0"	HM	HM	B/90 MIN.		450° F Rate of rise
ST-102	STAIR 2	D	3' - 0"	7' - 0"	HM	HM	B/90 MIN.	Yes	450° F Rate of rise
ST-103	TERRACE	B	3' - 0"	7' - 0"	HM	HM	B/90 MIN.		180° Swing/ 450° F Rate of rise
LEVEL 2A									
201	GENERATOR ROOM	F	6' - 0"	7' - 0"	HM	HM	B/90 MIN.		DBL Door
203	DOMESTIC WATER PUMP	H	6' - 0"	7' - 0"	HM	HM	90 min		DBL Door
FS200	FS & PD EXERCISE ROOM	A	3' - 0"	7' - 0"	HM	HM		Yes	
FS200.1	MECH	A	3' - 0"	7' - 0"	HM	HM			
ST-103B	STAIR 3	HH	3' - 0"	7' - 0"	AL/GL	AL	C/45 MIN.		
ST-201	STAIR 1	B	3' - 0"	7' - 0"	HM	HM	B/90 MIN.		450° F Rate of rise
ST-202	STAIR 2	B	3' - 0"	7' - 0"	HM	HM	B/90 MIN.		450° F Rate of rise
LEVEL 3A									
ST-302	STAIR 2	B	3' - 0"	7' - 0"	HM	HM	B/90 MIN.		450° F Rate of rise
LEVEL 3B									
300	STORAGE	B	3' - 0"	7' - 0"	HM	HM	C/45 MIN.	Yes	

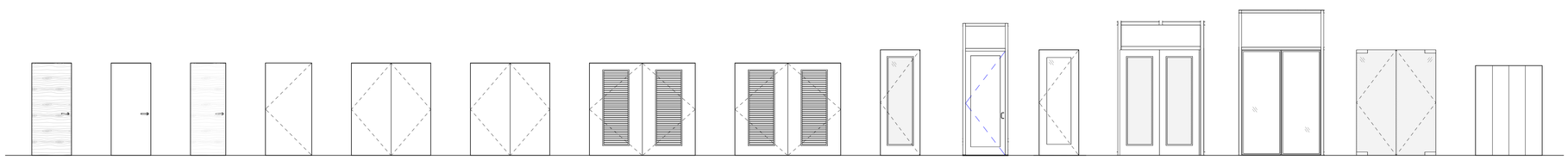
DOOR SCHEDULE - NBV

DOOR #	From Room: Name	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR MAT'L	FRAME MAT'L	FIRE RATING	CARD READER	COMMENTS
ST-301	STAIR 1	B	3' - 0"	7' - 0"	HM	HM	B/90 MIN.		450° F Rate of rise
LEVEL 4A									
PD400		A	3' - 0"	7' - 0"	HM	HM		Yes	
PD401	LARGE EVIDENCE	II	6' - 0"	7' - 0"	HM	HM	B/90 MIN.	Yes	DBL Door, 1
PD402	SALLY PORT	D	3' - 6"	7' - 0"	HM	HM		Yes	
PD402A		G	15' - 0"	10' - 0"	HM		as Specified		
PD402B	SALLY PORT	A	3' - 0"	7' - 0"	HM	HM		Yes	
PD403		G	10' - 0"	10' - 0"	HM		as Specified		
PD404		G	10' - 0"	10' - 0"	HM		as Specified		
ST-402	STAIR 2	D	3' - 0"	7' - 0"	HM	HM	B/90 MIN.	Yes	450° F Rate of rise
LEVEL 4B									
ST-401	STAIR 1	B	3' - 0"	7' - 0"	HM	HM	B/90 MIN.	Yes	450° F Rate of rise
LEVEL 5									
501A	BALCONY	J	3' - 1"	7' - 10 3/4"	AL/GL				
501B	BALCONY	J	3' - 1"	7' - 10 3/4"	AL/GL				
502	ELECTRICAL ROOM	B	3' - 0"	7' - 0"	HM	HM			
503	ELECTRICAL ROOM	B	3' - 0"	7' - 0"	HM	HM			
505	OPEN SHELL SPACE	A	3' - 0"	7' - 0"		HM			
506A	VESTIBULE	A	3' - 0"	7' - 0"	HM	HM		Yes	
506B	OPEN SHELL SPACE	A	3' - 0"	7' - 0"		HM			
507	VESTIBULE	A	3' - 0"	7' - 0"		HM			
ST-501	STAIR 1	B	3' - 0"	7' - 0"	HM	HM	B/90 MIN.	Yes	450° F Rate of rise
ST-502A	STAIR 2	D	3' - 0"	7' - 0"	HM	HM	B/90 MIN.		450° F Rate of rise
ST-502B	STAIR 2	D	3' - 0"	7' - 0"	HM	HM	B/90 MIN.	Yes	450° F Rate of rise
LEVEL 6									
600A	CORRIDOR	LL	3' - 0"	8' - 0"	AL/GL	AL		Yes	Single Door W/ Alum & Glass Sidelite
600B	LOBBY	AA	6' - 0"	8' - 0"	AL/GL				DBL Door W/ Alum & Glass Sidelite, 180 Swing
600D	CORRIDOR	A	3' - 0"	7' - 0"		AL			
601A	LOBBY	J	3' - 0"	7' - 10 3/4"	AL/GL				180° Swing
601B	CHAMBERS	J	3' - 0"	7' - 10 3/4"	AL/GL				180° Swing
602	AV/IT & STORAGE	A	3' - 6"	7' - 0"	HM	HM		Yes	
604	RESTROOM VESTIBULE	A	3' - 0"	7' - 0"	HM	AL			DELAY EGRESS
605	UNISEX RR	A	3' - 0"	7' - 0"	HM	AL			
606	UNISEX RR	A	3' - 0"	7' - 0"	HM	AL			
607	RESTROOM VESTIBULE	A	3' - 0"	7' - 0"	HM	AL			
608	CE SHARED OFFICE	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
609	CE DIRECTOR	K	3' - 0"	7' - 0"	AL/GL	AL			
610	VILLAGE CLERK & HR FILE ROOM	A	3' - 0"	7' - 0"	HM	HM		Yes	
611	PUBLIC WORKS DIRECTOR	K	3' - 0"	7' - 0"	AL/GL	AL			
613	CIP MANAGER	K	3' - 0"	7' - 0"	AL/GL	AL			
614	PROJECT MANAGER	K	3' - 0"	7' - 0"	AL/GL	AL			
616	VILLAGE CLERK	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
617	CFO OFFICE	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
618	FINANCE SHARED OFFICE	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
619	CONTROLLER	K	3' - 0"	7' - 0"	AL/GL	AL			
620A	BREAK ROOM	K	3' - 0"	7' - 0"	AL/GL	AL			
620B	BREAK ROOM	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
620C	STORAGE ROOM	A	3' - 0"	7' - 0"	HM	HM			
621	SUPPLY ROOM	A	3' - 0"	7' - 0"	HM	HM			
622	IT TECH	A	3' - 0"	7' - 0"	HM	HM		Yes	
623	CENTRAL SERVER ROOM	A	3' - 0"	7' - 0"	HM	HM			
624		A	3' - 0"	7' - 0"	HM	HM			
625	UNISEX RR	A	3' - 0"	7' - 0"	HM	AL			
626	UNISEX RR	A	3' - 0"	7' - 0"	HM	AL			
627	STAFF UNISEX RR	A	3' - 0"	7' - 0"	HM	AL			
628	CORRIDOR	K	3' - 0"	7' - 0"	AL/GL	AL			
629	HR DIRECTOR	K	3' - 0"	7' - 0"	AL/GL	AL			
630	CHIEF OF STAFF	K	3' - 0"	7' - 0"	AL/GL	AL			
631	SPECIAL EVENTS COORD.	K	3' - 0"	7' - 0"	AL/GL	AL			
632	DIRECTOR OF COMM.	K	3' - 0"	7' - 0"	AL/GL	AL			
633	EVENT STORAGE STORAGE	A	3' - 0"	7' - 0"	HM	AL			
634	VILLAGE MANAGER	K	3' - 0"	7' - 0"	AL/GL	AL			
636	LACTATION ROOM	A	3' - 0"	7' - 0"	HM	AL			
637A	CONFERENCE ROOM	K	3' - 0"	7' - 0"	AL/GL	AL			
637B	CONFERENCE ROOM	K	3' - 0"	7' - 0"	AL/GL	AL			
638	COMMISSION	K	3' - 0"	7' - 0"	AL/GL	AL			
639	COMMISSION	K	3' - 0"	7' - 0"	AL/GL	AL			
640	VICE MAYOR	K	3' - 0"	7' - 0"	AL/GL	AL			
641	MAYOR'S OFFICE	K	3' - 0"	7' - 0"	AL/GL	AL			

DOOR SCHEDULE - NBV

DOOR #	From Room: Name	DOOR TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR MAT'L	FRAME MAT'L	FIRE RATING	CARD READER	COMMENTS
642	CORRIDOR	A	3' - 0"	7' - 0"	HM	HM			
643	ELECTRICAL ROOM	B	3' - 0"	7' - 0"	HM	HM			
645	BUILDING MANAGER'S OFFICE	K	3' - 0"	7' - 0"	AL/GL	AL			
646	COMMISSION	K	3' - 0"	7' - 0"	AL/GL	AL			
647	COMMISSIONER ASSISTANT	K	3' - 0"	7' - 0"	AL/GL	AL			
648	STATE REP. OFFICE	K	3' - 0"	7' - 0"	AL/GL	AL			
649	CLERK ASSISTANT	K	3' - 0"	7' - 0"	AL/GL	AL			
650A	PM SHARED OFFICE	K	3' - 0"	7' - 0"	AL/GL	AL			
650B	PW ADMIN ASSISTANT	K	3' - 0"	7' - 0"	AL/GL	AL			
C61A	CORRIDOR	A	3' - 0"	7' - 0"	HM	AL		Yes	DELAY EGRESS
C61B	CORRIDOR	A	3' - 0"	7' - 0"	HM	AL		Yes	DELAY EGRESS
PD600	LOBBY	B	3' - 0"	7' - 0"	AL/GL	HM	C/60 MIN.	Yes	Bullet Resistant, Basis of Design: Full Vision door by USBP - Level 3
PD601	ELECTRICAL ROOM	GG	3' - 0"	7' - 0"	HM	HM	B/90 MIN.		
PD602	UNISEX RR	B	3' - 0"	7' - 0"	AL	HM			Bullet Resistant, Basis of Design: Opaque door by USBP - Level 3
PD603A	INTERVIEW ROOM #1	B	3' - 0"	7' - 0"	AL/GL	HM		Yes	
PD603B	INTERVIEW ROOM #1	B	3' - 0"	7' - 0"	AL	HM		Yes	Bullet Resistant, Basis of Design: Opaque door by USBP - Level 3
PD604	ELEVATOR LOBBY	E	6' - 0"	7' - 0"	HM	HM	C/20 min	Yes	
PD605	TEMP. EVIDENCE LOCKERS	B	3' - 0"	7' - 0"	HM	HM		Yes	1
PD606	EVIDENCE RM SMALL ITEMS	E	6' - 0"	7' - 0"	HM	HM	C/20 min	Yes	1
PD607	BULK STORAGE	B	3' - 0"	7' - 0"	HM	HM		Yes	1
PD608	ARMORY	B	3' - 0"	7' - 0"	HM	HM		Yes	1
PD609	INTERNAL AFFAIRS	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
PD610	QUARTER MASTER & STORAGE	A	3' - 0"	7' - 0"	HM	HM		Yes	
PD611	VESTIBULE	B	3' - 0"	7' - 0"	HM	HM		Yes	
PD612	WOMEN'S LOCKERS	B	3' - 0"	7' - 0"	HM	HM			
PD612A	WOMEN'S LOCKERS	C	2' - 8"	7' - 0"	HM	HM			
PD612B	WOMEN'S LOCKERS	C	2' - 8"	7' - 0"	HM	HM			
PD612C	WOMEN'S LOCKERS	C	3' - 0"	7' - 0"	HM	AL			
PD613	JANITOR	B	3' - 0"	7' - 0"	HM	HM		Yes	
PD614	EXECUTIVE ASSISTANT	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
PD615	CONFERENCE ROOM	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
PD617	DEPUTY CHIEF	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
PD619	CHIEF OF POLICE	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
PD620	MARINE PATROL / TRAFFIC ENFORCEMENT	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
PD621	ASSISTANT CHIEF #2	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
PD622	ASSISTANT CHIEF #1	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
PD624	ACCREDITATION OFFICER & PATROL / TRAINING	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
PD625	SQUAD ROOM	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
PD626	LIEUTENANT	K	3' - 0"	7' - 0"	AL/GL	AL			
PD627	LIEUTENANT	K	3' - 0"	7' - 0"	AL/GL	AL			
PD629	VESTIBULE	B	3' - 0"	7' - 0"	HM	HM		Yes	
PD630	MEN'S LOCKER	B	3' - 0"	7' - 0"	HM	HM			
PD630A	MEN'S LOCKER	C	3' - 0"	7' - 0"	HM	AL			
PD630B	MEN'S LOCKER	C	3' - 0"	7' - 0"	HM	AL			
PD631	PATROL/COMMUNITY AFFAIRS	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
PD632	STORAGE	A	3' - 0"	7' - 0"	HM	HM			
PD633	CRIMINAL INVESTIGATIONS UNIT	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
PD634	INTERVIEW ROOM #2	A	3' - 0"	7' - 0"	HM	HM			
PD635	CRIMINAL INVESTIGATION SUPERVISOR	A	3' - 0"	7' - 0"	HM	HM			
PD636	STORAGE	A	3' - 0"	7' - 0"	HM	HM			
PD637	COMMUNICATIONS	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
PD638	SUPERVISOR	K	3' - 0"	7' - 0"	AL/GL	AL			
PD639	RECORDS ROOM	A	3' - 0"	7' - 0"	HM	HM		Yes	1
PD640	OFFICER QUARTERS	K	3' - 0"	7' - 0"	AL/GL	AL		Yes	
PD640A	OFFICER QUARTERS	O	5' - 0"	7' - 0"	HM				
PD641	SERVER ROOM	K	3' - 0"	7' - 0"		AL			
ST-105	STORAGE RM	B	3' - 0"	7' - 0"	HM	HM		Yes	
ST-106	STORAGE	K	3' - 0"	7' - 0"		AL			
ST-601	LOBBY	D	3' - 0"	7' - 0"	HM	HM	B/90 MIN.		
ST-602A	STAIR 2	D	3' - 0"	7' - 0"	HM	HM	B/90 MIN.	Yes	
ST-602B	STAIR 2	D	3' - 0"	7' - 0"	HM	HM	B/90 MIN.	Yes	
ROOF									
ST-702	STAIR 2	B	3' - 0"	7' - 0"	HM	HM	B/90 MIN.		450° F Rate of rise

1. CONT. FRAME GASKET, AUTOMATIC DOOR BOTTOM, THRESHOLD AND DOOR CLOSER





LOUVER SCHEDULE

MARK	COUNT	WIDTH	HEIGHT	MATERIAL	FINISH	REMARKS
L-01	3	2' - 4"	1' - 2"	ALUMINUM	(1)	
L-02	3	1' - 10"	1' - 10"	ALUMINUM	(1)	
L-03	1	8' - 4"	4' - 0"	ALUMINUM	(1)	
L-04	4	1' - 6"	1' - 6"	ALUMINUM	(1)	
L-05	1	10' - 0"	17' - 4"	ALUMINUM	(1)	6
L-06	1	19' - 0"	17' - 4"	ALUMINUM	(1)	
L-07	1	1' - 6"	1' - 2"	ALUMINUM	(1)	
L-08	7	3' - 4"	3' - 4"	ALUMINUM	(1)	
L-09	1	4' - 0"	3' - 0"	ALUMINUM	(1)	
L-10	9	8' - 4"	2' - 4"	ALUMINUM	(1)	
L-11	1	12' - 0"	2' - 0"	ALUMINUM	(1)	
L-12	2	3' - 0"	2' - 0"	ALUMINUM	(1)	
L-13	1	3' - 0"	1' - 6"	ALUMINUM	(1)	
L-15	1	3' - 0"	17' - 4"	ALUMINUM	(1)	6

NOTE (1) BAKED ENAMEL SILICONE FINISH AS RECOMMENDED BY LOUVER MANUFACTURER. COLOR TO BE DETERMINED BY THE ARCHITECT. GC SHALL INCLUDE STANDARD COLORS, PEARLEDIZE 70 AND PEARLEDIZE 50 STANDARD COLORS TO THE ARCHITECT FOR SELECTION.

INTERIOR WINDOW SCHEDULE

WINDOW #	WIDTH	HEIGHT	HEAD HEIGHT	GLASS TYPE	REMARKS
LEVEL 1					
IW-1	4' - 0"	3' - 0"	6' - 0"		
LEVEL 6					
IW-2	4' - 0"	3' - 0"	6' - 0"		
IW-3	4' - 0"	3' - 0"	6' - 0"		Bullet Resistant Window Single Lite Fixed Window by USAW 300 USBP
IW-5	4' - 0"	3' - 0"	6' - 0"		
IW-6	3' - 0"	7' - 0"	7' - 0"		
IW-7	3' - 0"	7' - 0"	7' - 0"		

DOOR GENERAL NOTES

1. ALL EXTERIOR DOORS (INCLUDING INSIDE PARKING GARAGE) SHALL HAVE MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NOA) OR FLORIDA PRODUCT APPROVAL (HVHZ) FOR LARGE MISSILE IMPACT RESISTANCE FOR DOORS LOCATED UP TO 30'-0" ABOVE GRADE (ANY PART OF DOOR), AND SMALL MISSILE IMPACT RESISTANT FOR DOORS LOCATED ABOVE 30'-0" AND WATER INFILTRATION REQUIREMENTS. REFER TO STRUCTURAL DRAWINGS FOR WIND PRESSURES.

2. ALL GLASS AT INTERIOR DOORS AND SIDE LIGHTS SHALL BE CLEAR TEMPERED U.O.N., CATEGORY TYPE II SAFETY GLASS, THICKNESS AS REQUIRED.

3. GLASS FOR ALUMINUM ENTRANCE DOORS SHALL BE LAMINATED OF THICKNESS REQUIRED TO COMPLY WITH LARGE MISSILE IMPACT RESISTANT UP TO 30'-0" ABOVE GRADE, AND SMALL MISSILE IMPACT RESISTANT ABOVE 30'-0", AND WIND PRESSURE REQUIREMENTS.

4. ALL DOORS FRAMES SHALL BE SEALED ON BOTH SIDES (EXTERIOR AND INTERIOR SIDE).

5. THRESHOLDS AT DOORWAYS SHALL NOT EXCEED 1/2" IN HEIGHT ABOVE FINISH FLOOR AND FLOOR LEVEL CHANGES GREATER THAN 1/4" AT DOORWAYS SHALL BE BEVELED W/ A SLOPE NOT GREATER THAN ONE UNIT VERTICAL IN TWO UNITS HORIZONTAL (50%)

6. PANIC HARDWARE SHALL BE PROVIDED AT SWING DOORS IN ROOM/ SPACES W/ AN OCCUPANCY LOAD OF 50 OR MORE IN GROUPS A AND E.

7. ALL LABELED AND SMOKE DOORS TO HAVE CLOSER AND POSITIVE LATCH.

8. REFER TO STOREFRONT GENERAL NOTES FOR GLAZING BASIS OF DESIGN.

9. ALL DOOR FRAMES COLOR TO MATCH ADJACENT WALL COLOR

10. SEE ID SET FOR INTERIOR DOORS WOOD FINISH

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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STATE OF FLORIDA
REGISTERED ARCHITECT
MARCEL R. MORLOTE
LICENSE NO. 9564

MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
This item has been digitally signed & sealed by Marcel R. Morlote, R.A. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33141

10/27/2025 4:31:41 PM

Project Number
WJ 2312

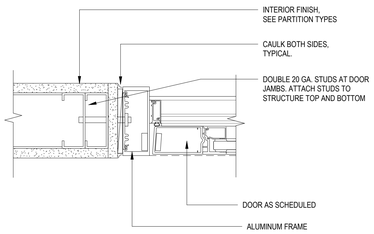
DISTRIBUTION

12/11/2024

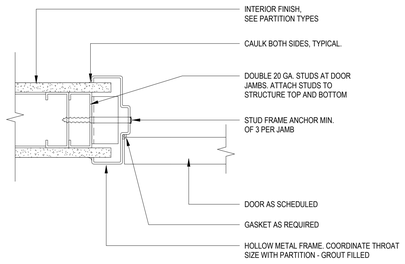
REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
2	Plan Review	12/20/24
4	Plan Review	06/30/25
6	Plan Review	10/27/25

DOOR SCHEDULES

A-810



4 ALUM. FRAME JAMB @ GB. PARTITION (HEAD SYM.)
SCALE: 3" = 1'-0"



3 HM FRAME JAMB @ GWB PARTITION (HEAD SYM.)
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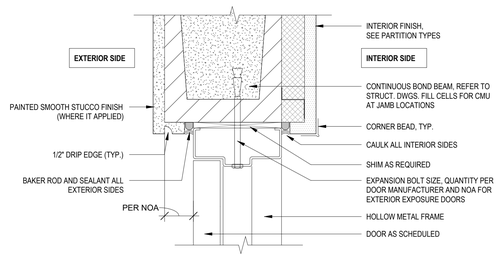
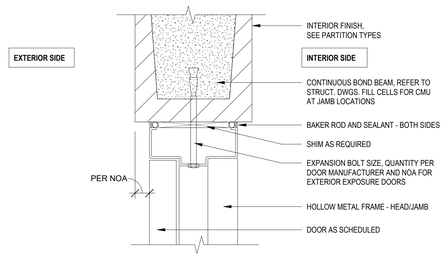
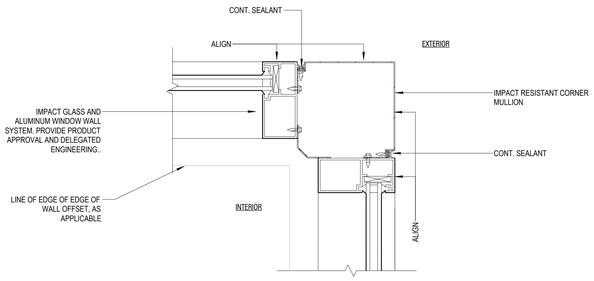


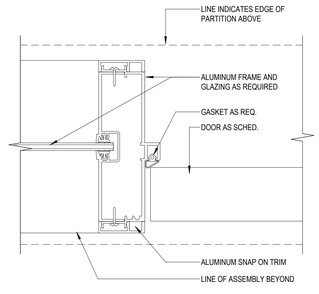
2 HM FRAME HEAD DETAIL W/ FINISH (JAMB SYM.)
SCALE: 3" = 1'-0"



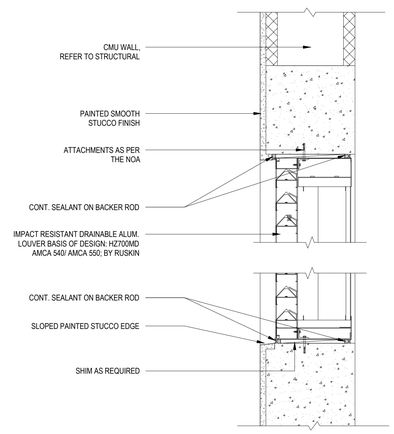
1 HM FRAME HEAD DETAIL (JAMB SYM.)
SCALE: 3" = 1'-0"



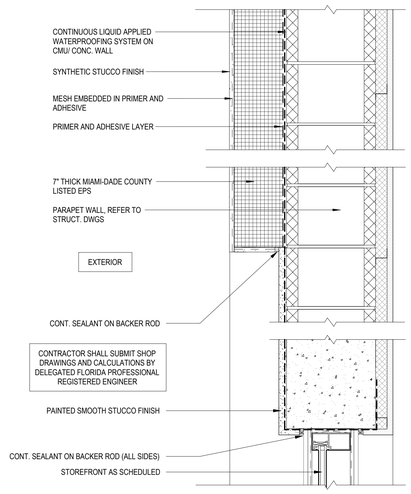
8 ALUM/ CORNER DETAIL
SCALE: 3" = 1'-0"



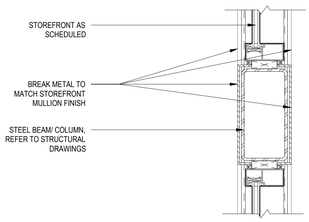
7 ALUM/ GLASS SIDELIGHT & DOOR DETAIL
SCALE: 6" = 1'-0"



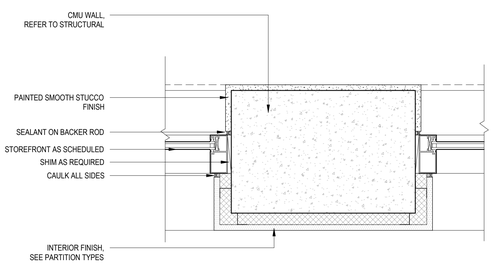
6 LOUVER DETAIL
SCALE: 1 1/2" = 1'-0"



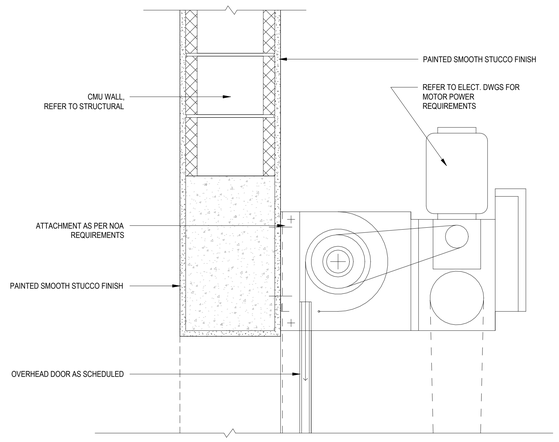
5 STOREFRONT DETAIL
SCALE: 1 1/2" = 1'-0"



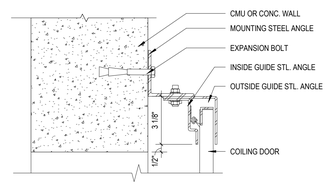
12 BREAK METAL DETAIL
SCALE: 1 1/2" = 1'-0"



11 COLUMN DETAIL
1 1/2" = 1'-0"



10 OVERHEAD DOOR HEAD DETAIL
SCALE: 1 1/2" = 1'-0"



9 OVERHEAD DOOR JAMB DETAIL
SCALE: 3" = 1'-0"

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MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

8/1/2024 5:32:46 PM

Project Number
WJ 2312 / WA 22303.0

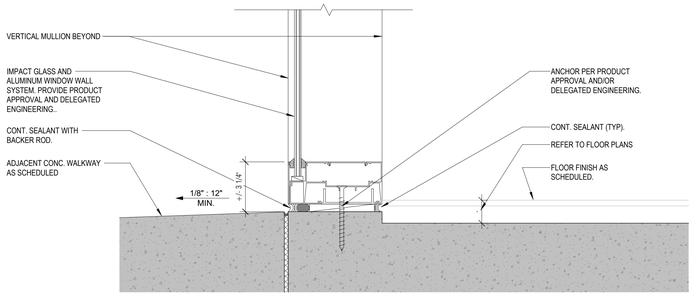
DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE

DOOR DETAILS

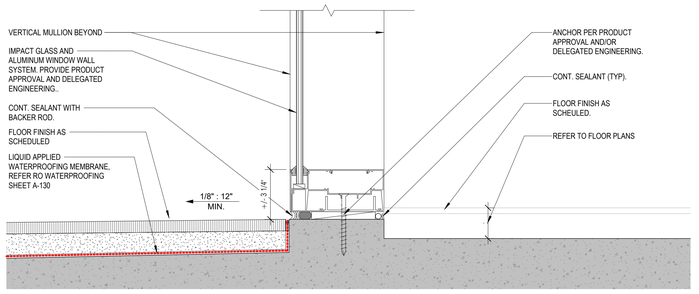
A-811

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



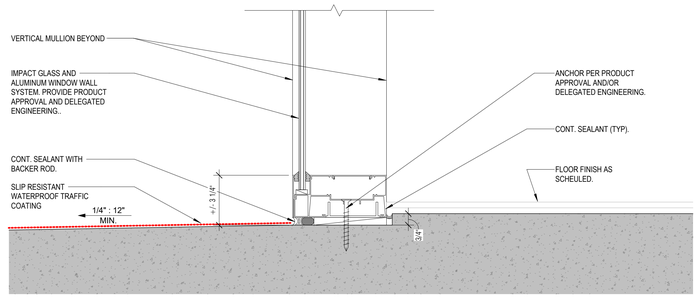
3 STOREFRONT SILL DETAIL @ PLAZA

SCALE: 3" = 1'-0"



2 STOREFRONT SILL DETAIL @ TERRACE

SCALE: 3" = 1'-0"



1 STOREFRONT SILL DETAIL

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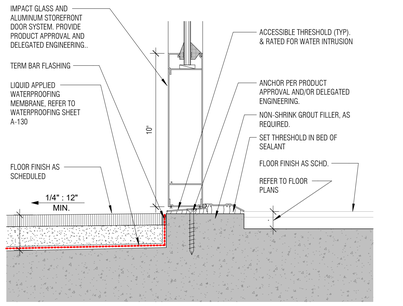

6 STOREFRONT DOOR SILL @ TERRACE

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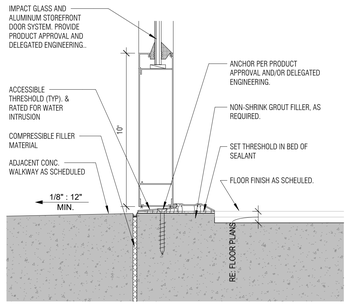
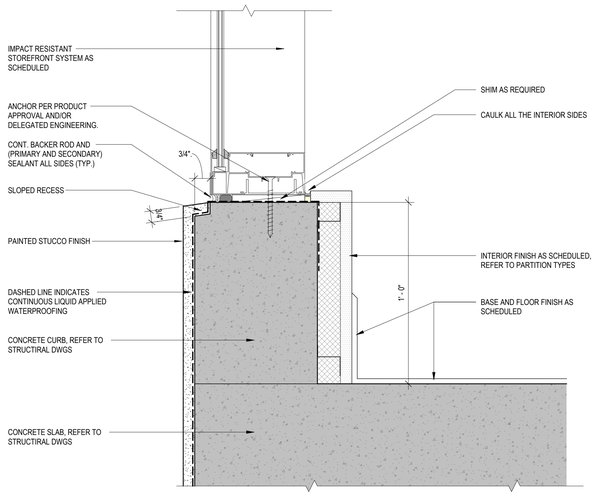


5 STOREFRONT DOOR SILL @ SIDEWALKS

SCALE: 3" = 1'-0"



4 STOREFRONT SILL DETAIL @ CURB

SCALE: 3" = 1'-0"

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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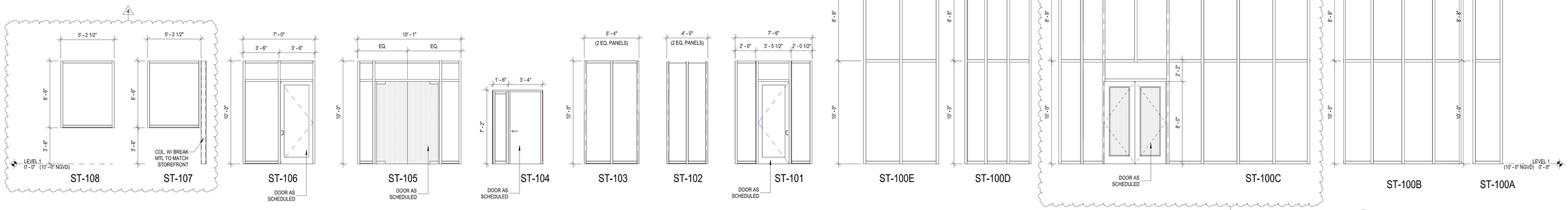
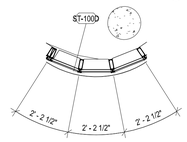
08/01/2024

REV	DESCRIPTION	DATE

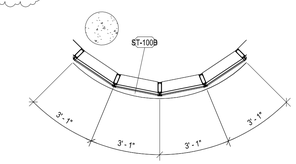
DOOR DETAILS

A-812





STOREFRONT PLAN ST-100D



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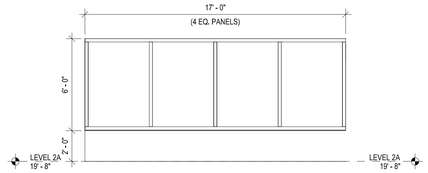

ST-200

STOREFRONT GENERAL NOTES

1.EXTERIOR WINDOWS SHALL HAVE MIAMI-DADE COUNTY NOTICE OF ACCEPTANCE (NOA) OR FLORIDA PRODUCT APPROVAL FOR THE WIND PRESSURES NOTED IN THE STRUCTURAL DRAWINGS AND BE LARGE MISSILE IMPACT RESISTANT.

2.GLASS FOR EXTERIOR STOREFRONT AND WINDOWS SHALL BE LAMINATED OF THICKNESS REQUIRED TO COMPLY WITH IMPACT AND PRESSURE REQUIREMENTS.

3.THE COLOR FOR ALUMINUM MULLIONS, BREAK METAL PIECES, EYE BROWS, ETC. SHALL BE SELECTED BY THE ARCHITECT.

4.ALUMINUM EXTRUSION PROFILE AND EXACT DIMENSIONS SHALL BE MANUFACTURER'S STANDARDS TO COMPLY W/ PRESSURES, SIZE AND IMPACT REQUIREMENTS AS APPLICABLE, DIMENSIONS AND PROFILES SHOWN ARE FOR DESIGN INTENT ONLY.

5.CONTRACTOR TO COORDINATE EXACT ROUGH OPENING REQUIREMENTS W/ N.O.A OF SELECTED MANUFACTURER, DIMENSIONS NOTED ARE NOMINAL AND CAN BE ADJUSTED PER MANUFACTURER STANDARD SIZES.

6.GLAZING BELOW 36" A.F.F. SHALL COMPLY W/ THE KINETIC ENERGY IMPACT LOADING REQUIREMENTS OF ANSI Z97.1 USING 400 FOOT-POUND ENERGY IMPACT, GLAZING SHALL NOT BREAK ALLOWING A 3" ∅ SPHERE TO PASS THRU AND SHALL REMAIN WITHIN THE SUPPORTING FRAME. COMPLY W/ FBC 2020-1618.4.6.3.

7.ALL EXTERIOR GLAZING - BASIS OF DESIGN: VLE1-57 BY VIRACON ARCHITECTURAL (U VALUE/ SUMMER= 0.85, SC= 0.45 AND SHGC= 0.39)

8.ALL WINDOWS, LOUVERS AND GRILLES FRAMES SHALL BE SEALED ON BOTH SIDES (EXTERIOR AND INTERIOR SIDES).

9.PER FBC-B, 2023, SECTION 2406.2: ALL GLAZING MATERIALS LARGER THAN 9 S.F. SHALL BE CATEGORY II SAFETY GLASS. MINIMUM CATEGORY CLASSIFICATION OF GLAZING USING CPSC 16 CFR PART 1201, MIN. CATEGORY CLASSIFICATION USING ANSI Z97.1

4

REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:

1. STOREFRONT DESIGN REVISION

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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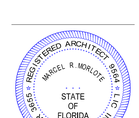

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33141

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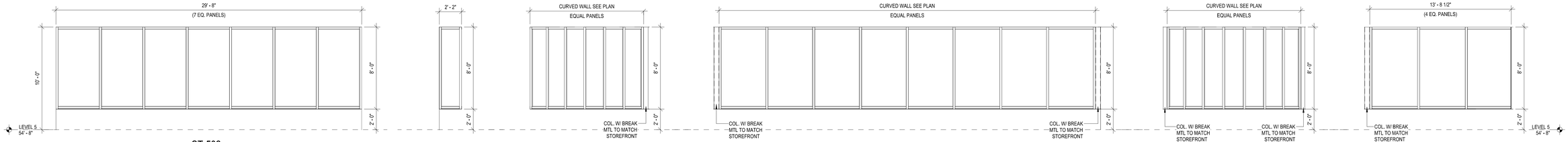
Project Number
WJ 2312

DISTRIBUTION
12/11/2024

REV	DESCRIPTION	DATE
4	Plan Review	06/30/25

STOREFRONT ELEVATIONS

A-820



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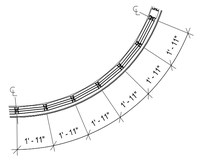

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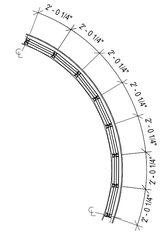

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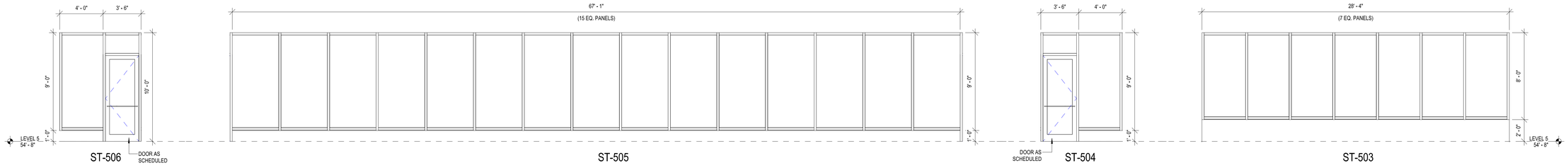

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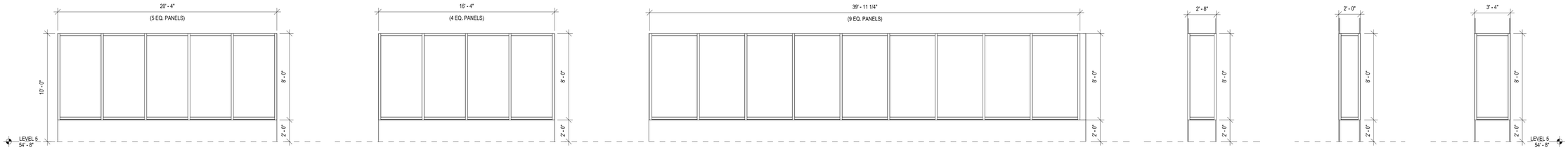

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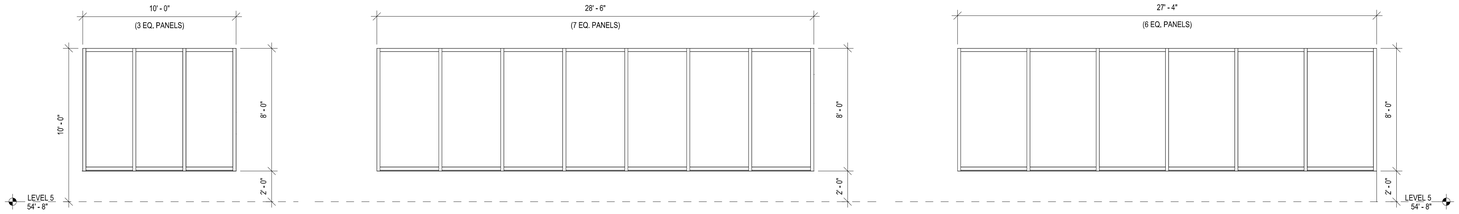

ST-515 ST-514 ST-513

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REGISTERED ARCHITECT 9564 LIC. INTERIOR DESIGNER 3855
MARCEL R. MORLOTE
STATE OF FLORIDA

MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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7/3/2025 12:10:06 PM

Project Number
WJ 2312

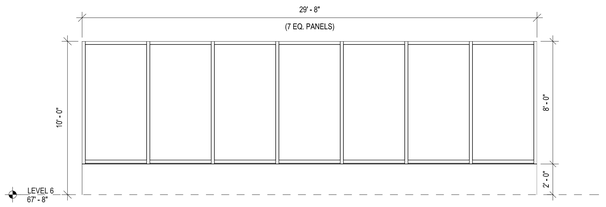
DISTRIBUTION
12/11/2024

REV	DESCRIPTION	DATE
4	Plan Review	06/30/25

4

STOREFRONT ELEVATIONS
NEW SHEET
A-821

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



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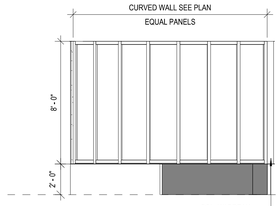

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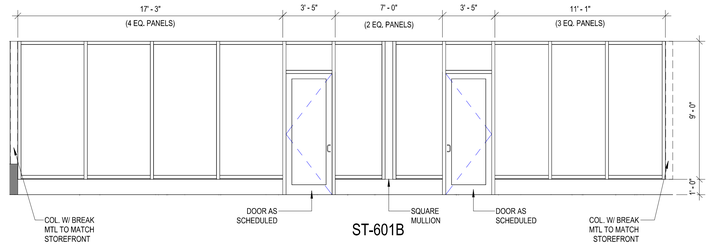

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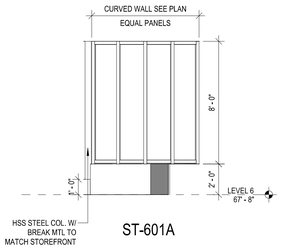

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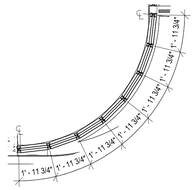
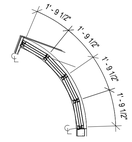


STOREFRONT PLAN ST-601C



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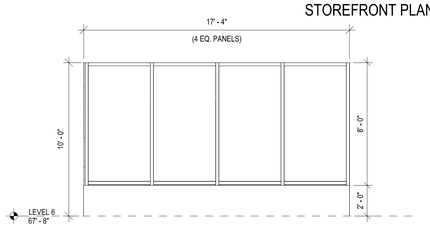

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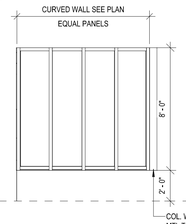

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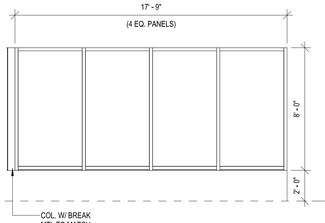

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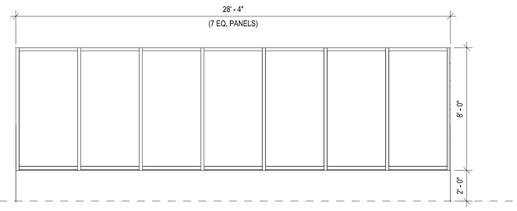

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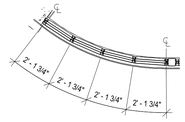

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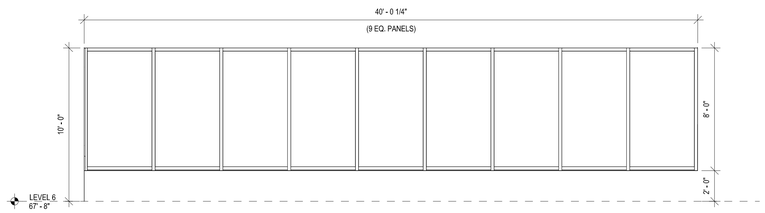

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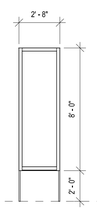

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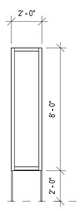

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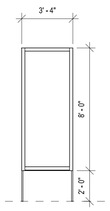

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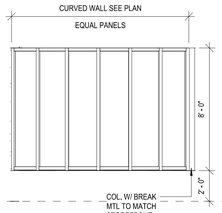
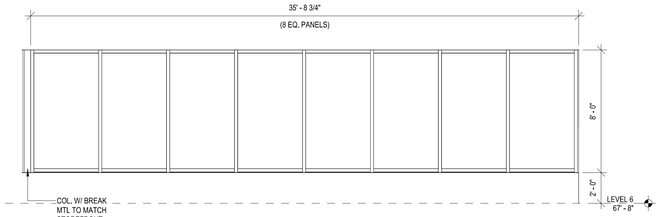
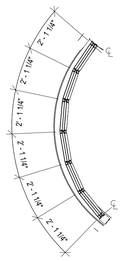


ST-606B



ST-606A

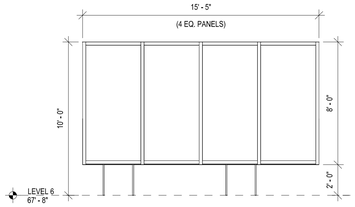


STOREFRONT PLAN ST-606B

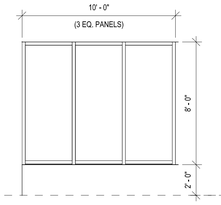
4

REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:

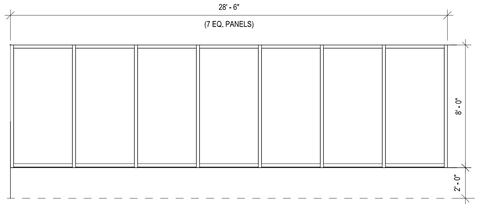
1. NEW LEVEL ADDED
2. CHANGES IN STOREFRONTS ACCORDINGLY TO NEW LEVEL.



ST-616



ST-615



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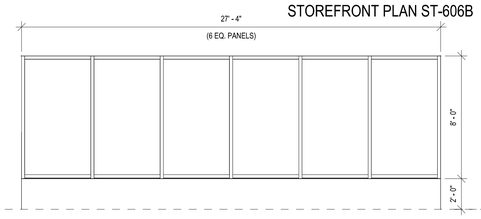

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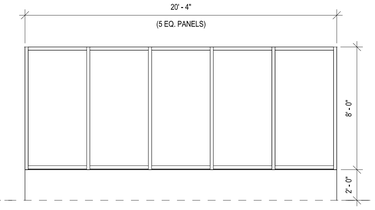
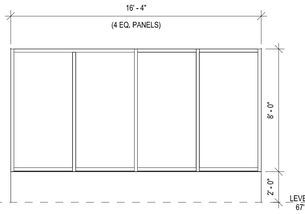


ST-612



ST-611

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REGISTERED ARCHITECT
MARCEL R. MORLOTE
STATE OF FLORIDA
INTERIOR DESIGNER

MARCEL R. MORLOTE, R.A.

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY , NORTH BAY VILLAGE, FLORIDA, 33141

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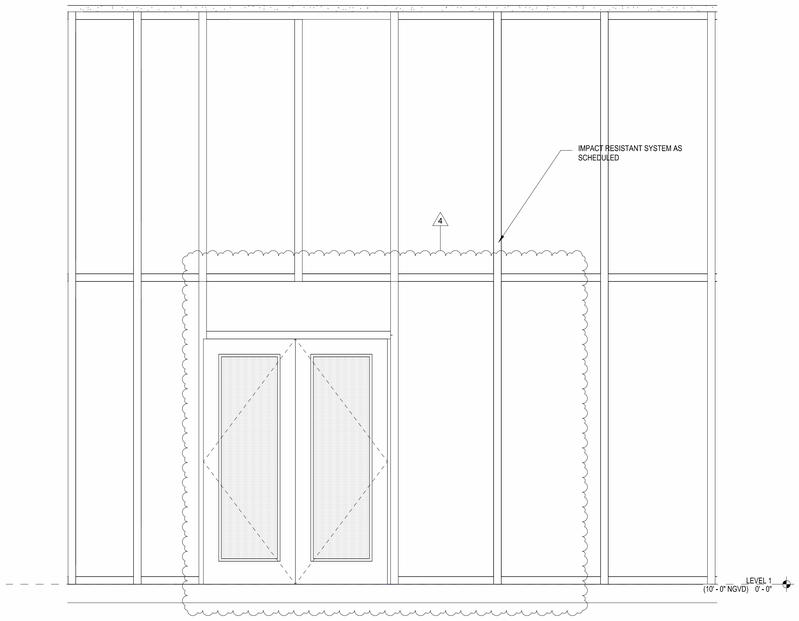
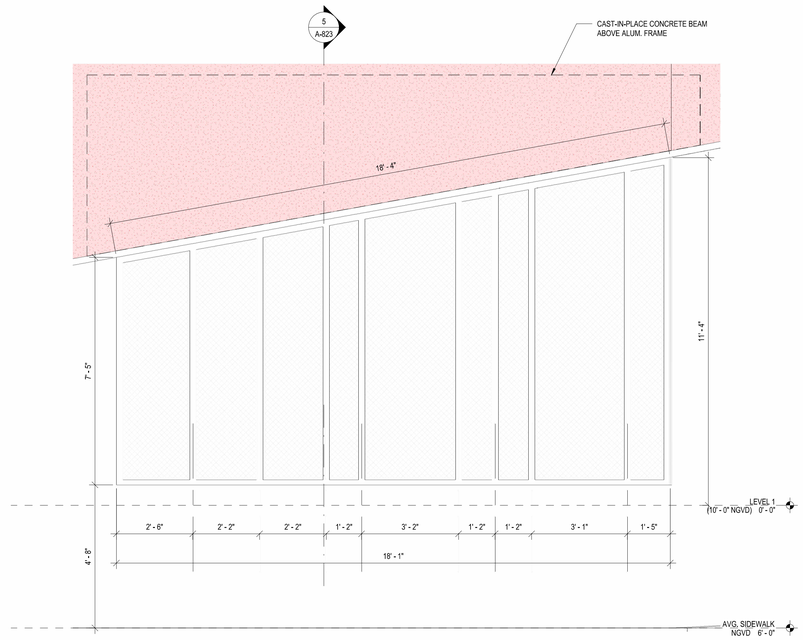
STOREFRONT ELEVATIONS

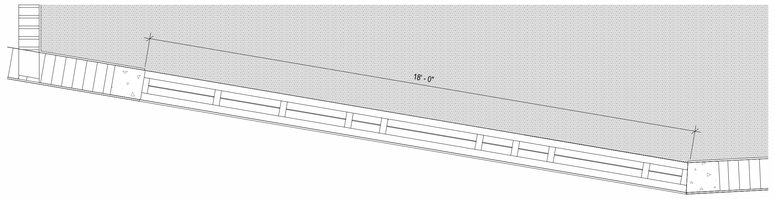
A-822



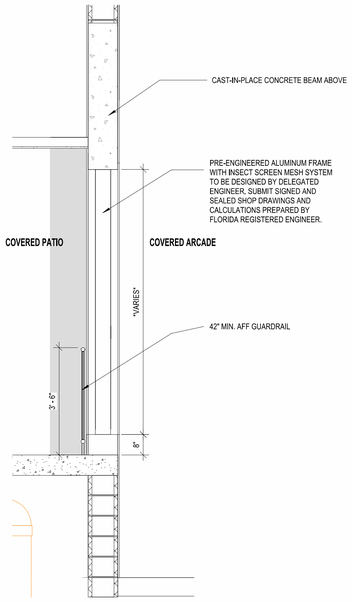
1 ENLARGED ELEVATION VILLAGE HALL ENTRY
1/2" = 1'-0"



2 ENLARGED ELEVATION COVERED PATIO
1/2" = 1'-0"



3 LEVEL 1 RCP FD COVERED PATIO
1/2" = 1'-0"



5 COVERED PATIO BEAM SECTION
1/2" = 1'-0"

4

VOID

4

REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:

1. CANOPY REMOVED

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STATE OF FLORIDA

MARCEL R. MORLOTE, R.A.
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STOREFRONT ENLARGED PLANS AND ELEVATIONS

A-823

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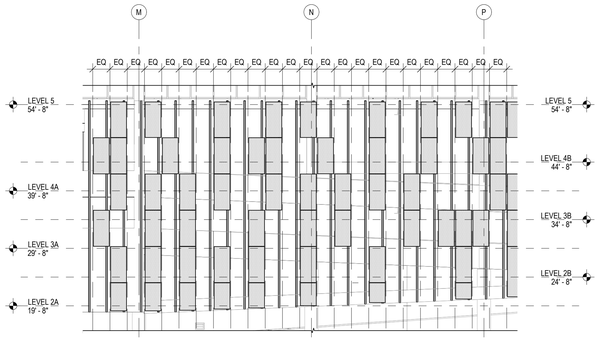
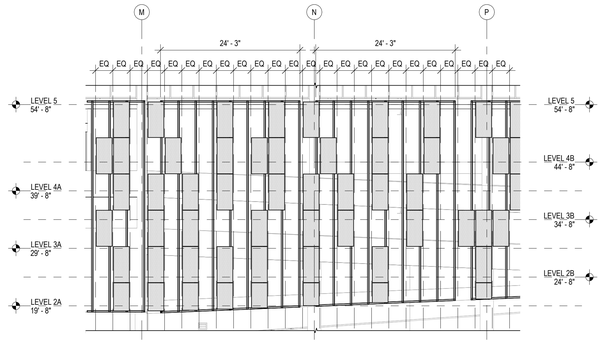


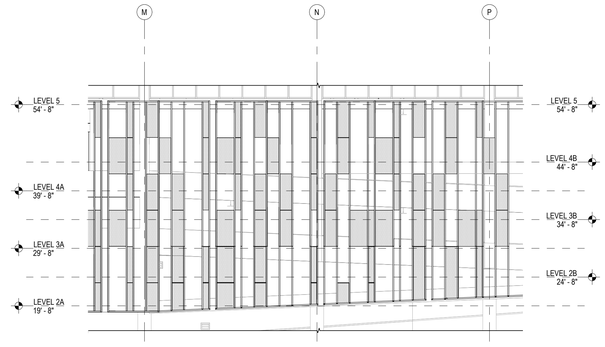
FACADE CLADDING OPTION 2:
VERTICAL ALUMINUM FINNS AT EQUIDISTANT LOCATION OF 3 FT ON ON CENTER ATTACHED AS PER BASE BID DESIGN.
HORIZONTAL ALUMINUM FINNS **REMOVED.**
METAL PERFORATED PANELS TO SPAN BETWEEN ALUM. FINNS AT PATTERN INDICATED IN ELEVATION.

3 FACADE CLADDING - OPTION 2
3/32" = 1'-0"



FACADE CLADDING OPTION 1:
VERTICAL ALUMINUM FINNS AT EQUIDISTANT LOCATION OF 3 FT ON CENTER ATTACHED AS PER BASE BID DESIGN.
HORIZONTAL ALUMINUM FINNS SIMILAR TO BASE BID DESIGN TO SPAN APPROXIMATELY 8 COLUMNS OF PANELS (24' -3" APPROX.)
METAL PERFORATED PANELS TO SPAN BETWEEN ALUM. FINNS AT PATTERN INDICATED IN ELEVATION.

2 FACADE CLADDING - OPTION 1
3/32" = 1'-0"



BASE BID OPTION:
VERTICAL & HORIZONTAL ALUMINUM FINNS WITH PERFORATED METAL PANELS AS PER DESIGN

1 FACADE CLADDING - BASE BID OPTION
3/32" = 1'-0"

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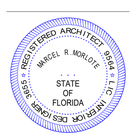

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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FINISH LEGEND - VILLAGE HALL & POLICE DEPARTMENT: BASIS OF DESIGN

FLOORING

CS-1 — LOCATION:TELECOM, MECHANICAL, METER ROOM AND GENERATOR
COLOR: CLEAR
DESCRIPTION: INTERIOR CONCRETE SEALED

CS-2 — LOCATION:SITE
COLOR: CLEAR
DESCRIPTION: EXTERIOR CONCRETE SEALED

CIC-1 — LOCATION:SITE: PLAZA, TERRACE, STAIRS
MANUFACTURER: SOLOMON COLORS
COLOR: COLOR PIGMENT: TBD
FINISH:SAND WASH CONCRETE FINISH
DESCRIPTION: EXPOSED AGGREGATE CONCRETE FINISH
STYLE: SEE SECTION 03 35 23
REMARKS: CAST IN PLACE

TER-1 — LOCATION:LVL 1 LOBBY
MANUFACTURER: TERRAZZCO
COLOR: CW31
FINISH:TRZ-WHITE POLISH: 400
SIZE: CUSTOM
DESCRIPTION: FLOOR TERRAZZO
STYLE: CLASSIC WHITE SERIES
CONTACT: TBD

CPT-1 — LOCATION:LVL 5 CHABMERS
MANUFACTURER: INTERFACE
COLOR: OAT 107784
SIZE: 20"x20"
DESCRIPTION: CARPET TILE
STYLE: OPEN AIR 416
REMARKS: INSTALLATION METHOD: NON DIRECTIONAL

CPT-2 — LOCATION:LVL 1 ENTRANCES
MANUFACTURER: MANNINGTON
COLOR: KINETIC #11360
SIZE: 18" X 36"
DESCRIPTION: CARPET PLANK (WALK OFF MATT)
STYLE: COLLECTION; FRICTION, STYLE; FORCE
REMARKS: INSTALLATION METHOD
MONOLITHIC

PT-1 — LOCATION:RESTROOM & LOCKER RM FLOORING & WALL
MANUFACTURER: SPECIALTY TILE (STP)
COLOR: LIGHT GREY
FINISH:MATTE
SIZE: 12"x12" (FLOOR) 12"x24" (WALL)
NOTE:GROUT: G-1, THICKNESS 1/8"
DESCRIPTION: PORCELAIN TILE
STYLE: STP BAZALT (RECTIFIED)
REMARKS: INSTALLATION METHOD
MONOLITHIC

PT-2 — LOCATION:LVL 5 ELEVATOR LOBBY & PRE-FUNCTION FLOORING
MANUFACTURER: SPECIALTY TILE (STP)
COLOR: VENICE
FINISH:MATTE
SIZE: 12"x24"
NOTE:GROUT: G-1, THICKNESS 1/8"
DESCRIPTION: PORCELAIN TILE
STYLE: TIDAL (RECTIFIED)
REMARKS: INSTALLATION METHOD
MONOLITHIC

PT-3 — LOCATION:LVL 5 LOCKER ROOM SHOWER FLOOR
MANUFACTURER: SPECIALTY TILE (STP)
COLOR: LIGHT GREY
FINISH:MATTE
SIZE: 2" x 2"
NOTE:GROUT: G-1, THICKNESS 1/8"
DESCRIPTION: PORCELAIN TILE @ SHOWERS
STYLE: BAZALT MOSAIC
REMARKS: INSTALLATION METHOD
MONOLITHIC

4
PT-4 — LOCATION:LVL 5 & 6 BALCONY
MANUFACTURER: SPECIALTY TILE (STP)
COLOR: BLACK
FINISH:MATTE
SIZE: 24"x24"x16" (8 mm)
NOTE:GROUT: G-4, THICKNESS 1/8"
DESCRIPTION: PORCELAIN TILE EXTERIOR FLOORING
STYLE: VOLCAN (RECTIFIED)
REMARKS: INSTALLATION METHOD
MONOLITHIC

LVT-1 — LOCATION:FIELD FLOORING, SEE FINISH PLANS
MANUFACTURER: INTERFACE
COLOR: EUROPEAN WALNUT A03302
SIZE: 10" X 36"
DESCRIPTION: LUXURY VINYL PLANKS
STYLE: ON GRAIN, EARTHEN FORMS
REMARKS: INSTALLATION METHOD
STAGGER

WALL BASE

4
WB-1 — LOCATION:LVL 1 & LVL 5
COLOR: MATCH ADJ FINISH
SIZE: 4" HIGH
NOTE:SEE DETAIL 11/ID-400
DESCRIPTION: WALL BASE TO MATCH FLOORING
REMARKS: COORDINATE W/ TER-1, PT-2

WB-2 — LOCATION:FIELD BASE
MANUFACTURER: JOHNSONITE
COLOR: TOAST 283
SIZE: 4" HIGH
NOTE:COORDINATE W/ LVT-1
DESCRIPTION: WALL BASE ROLLED GOODS
STYLE: TRADITIONAL COVE
REMARKS: PROVIDE INSIDE AND OUTSIDE CORNERS

WB-3 — LOCATION: LVL 5 CHAMBERS
MANUFACTURER: JOHNSONITE
COLOR: TOAST 283
SIZE: 4" HIGH
DESCRIPTION: WALL BASE ROLLED GOODS
STYLE: MILLWORK REVEAL
REMARKS: PROVIDE INSIDE AND OUTSIDE CORNERS

4
WB-4 — LOCATION:RESTROOM & LOCKER COVE BASE
MANUFACTURER: SPECIALTY TILE (STP)
COLOR: LIGHT GREY
FINISH:MATTE
SIZE: 6"x12"
NOTE:GROUT: G-1, THICKNESS 1/8"
DESCRIPTION: PORCELAIN TILE
STYLE: BAZALT
REMARKS: TBD

WALL - TILED

CT-2 — LOCATION:KITCHEN & COFFEE ALCOVES
MANUFACTURER: SPECIALTY TILE (STP)
COLOR: IVORY
FINISH:MATTE
SIZE: 4" x 16"
NOTE:GROUT: G-3, THICKNESS 3/16"
DESCRIPTION: CERAMIC TILE BACKSPLASH
STYLE: SIMPLICITY
REMARKS: INSTALLATION METHOD
MONOLITHIC

WALL & CEILING - PAINTED

P-1A — LOCATION:GENERAL CEILING
MANUFACTURER: BEJAMIN MOORE
COLOR: WHITE
FINISH:FLAT
DESCRIPTION: CEILING PAINT

P-2A — LOCATION:1ST LVL ELEVATOR LOBBY CEILING
MANUFACTURER: BEJAMIN MOORE
COLOR: WESTCOTT NAVY 1624
FINISH:FLAT
DESCRIPTION: ACCENT PAINT

P-1E — LOCATION:LVL 5 LOCKER ROOMS
MANUFACTURER: BEJAMIN MOORE
COLOR: DECORATOR'S WHITE OC-149
FINISH:SATIN
DESCRIPTION: EPOXY PAINT

P-1 — LOCATION:INTERIOR FIELD PAINT
MANUFACTURER: BEJAMIN MOORE
COLOR: DECORATOR'S WHITE OC-149
FINISH:SATIN

P-2 — LOCATION:INTERIOR ACCENT PAINT #1
MANUFACTURER: BEJAMIN MOORE
COLOR: BOCA RATON BLUE 711
FINISH:SATIN

P-3 — LOCATION:INTERIOR ACCENT PAINT #2
MANUFACTURER: BEJAMIN MOORE
COLOR: TROPICAL OASIS CSP-710
FINISH:SATIN

4
P-4 — LOCATION:INTERIOR ACCENT PAINT #3
MANUFACTURER: BENJAMIN MOORE
COLOR: MUSEUM PIECE CSP-40
FINISH:SATIN

P-5 — DESCRIPTION: NOT USED

P-6 — LOCATION:LVL 1 FEATURE WALL @ LOBBY
MANUFACTURER: BEJAMIN MOORE
COLOR: PENTHOUSE CSP-35
FINISH:SATIN
REMARKS: FOR VENETIAN WALL

WALL PANELING

WP-1 — LOCATION:LVL 1 LOBBY FRONT DESK
MANUFACTURER: KINETICS
COLOR: LIGHT OAK
SIZE: PANEL SIZE 24"x96"
NOTE:SEE INTERIOR ELEVATIONS FOR DETAILS
DESCRIPTION: WOOD WALL PANELING
STYLE: KWOOD PANELS NRC 0.55

WP-2 — LOCATION:LVL 5 DIAS BACK WALL
MANUFACTURER: KINETICS
COLOR: LIGHT OAK
SIZE: PANEL SIZE 24"x96"
NOTE:SEE INTERIOR ELEVATIONS FOR DETAILS
DESCRIPTION: WOOD WALL PANELING
STYLE: KWOOD PANELS NRC 0.80
REMARKS: TBD

CASEGOOD

PL-1 — LOCATION:ALL LEVELS FOR VH & PD MILLWORK
MANUFACTURER: WILSONART
COLOR: PINNACLE WALNUT 7992-38
FINISH:FINE VELVET FINISH
DESCRIPTION: PLASTIC LAMINATE
REMARKS: VERTICAL & HORIZONTAL APPLICATION

PL-2 — MANUFACTURER: SAME AS PL-1
COLOR: SAME AS PL-1
DESCRIPTION: PLASTIC LAMINATE

PL-3 — LOCATION:LVL 5 CHAMBERS DAIS COUNTER
MANUFACTURER: FORMICA
COLOR: BEIGE ELM 5794
FINISH:NATURAL GRAIN TEXTURE (NG)
DESCRIPTION: PLASTIC LAMINATE
REMARKS: DAIS COUNTER FASCIA (VERTICAL)

PL-4 — LOCATION:LVL 5 CHAMBERS DAIS COUNTER TOP
MANUFACTURER: FORMICA / FENIX
COLOR: BEIGE ARIZONA J0748
FINISH:JJ COLORED CORE
DESCRIPTION: PLASTIC LAMINATE
REMARKS: DAIS COUNTER TOP (HORIZONTAL)

PL-5 — LOCATION:LVL 1 LOBBY POST OFFICE COUNTER
MANUFACTURER: FORMICA / FENIX
COLOR: GRIGIO BROMO J0724
FINISH:JJ COLORED CORE
DESCRIPTION: PLASTIC LAMINATE
REMARKS: CASEGOODS (VERTICAL & HORIZONTAL)

SS-1 — LOCATION:LVL 1 LOBBY FRONT DESK
MANUFACTURER: FORMICA EVERFORM
COLOR: LUNA SAND 757
SIZE: CUSTOM
DESCRIPTION: SOLID SURFACE
EDGE DETAIL:EASED EDGE
REMARKS: TRANSACTION TOP

SS-2 — LOCATION:LVL 6 BREAK ROOM, COFFEE ALCOVE
MANUFACTURER: FORMICA EVERFORM
COLOR: 333 WHEAT MATRIX
SIZE: CUSTOM
DESCRIPTION: SOLID SURFACE
EDGE DETAIL:EASED EDGE
REMARKS: COUNTER TOP FOR KITCHEN COUNTER, ISLAND, COFFEE ALCOVE

CEILINGS

ACT-1 — LOCATION:GENERAL ACOUSTICAL CEILING
MANUFACTURER: ARMSTRONG CEILINGS
COLOR: WHITE
SIZE: 24"x24"x1/4"
GRID:SUPRAFINE 9/16" SUSPENSION SYSTEM
DESCRIPTION: ACOUSTICAL CEILING TILE
STYLE: ULTIMA BEVELED TEGULAR

ACT-2 — LOCATION:LVL 6 CHAMBERS, PRE-FUNCTION RM, CONF RMS
MANUFACTURER: ARMSTRONG CEILINGS
TYPE:#1915, #1996, #1423
COLOR: WHITE
SIZE: 24"x48", 12"x48", & 6"x48"
GRID:SUPRAFINE 9/16" SUSPENSION SYSTEM
DESCRIPTION: ACOUSTICAL CEILING TILE
STYLE: ULTIMA BEVELED TEGULAR
REMARKS: SEE RCP FOR DETAILS

CEILINGS - CONT.

SCT-1 — LOCATION:LVL 5 CHAMBERS CLOUD
MANUFACTURER: ARMSTRONG CEILINGS
COLOR: WHITE
SIZE: OVERALL SIZE: 12'-6" X 44'-6"
NOTE:MODEL #AXKESSTR
DESCRIPTION: SUSPENDED CEILING TRIM
STYLE: AXIOM KNIFE EDGE TRIM 5" HIGH
REMARKS: TRIM FOR ACOUSTICAL TILE

TZ-1 — LOCATION:LVL 5 CHAMBERS & PRE-FUNCTION
MANUFACTURER: ARMSTRONG CEILINGS
COLOR: WHITE
NOTE:COORD. W/ ACT-2
DESCRIPTION: TECKZONE LIGHTING & DIFFUSER
REMARKS: BASIS OF DESIGN

SPECIALTY

RS-1 — LOCATION:ALL LEVELS
NOTE:SEE FLOOR PLANS AND INTERIOR ELEVATIONS
DESCRIPTION: MANUAL ROLLER SHADES, SEE SPEC SECTION 122413
REMARKS: AT ALL EXTERIOR STOREFRONTS & INTERIOR WINDOWS

GL-1 — LOCATION:LVL 1 FRONT DESK COUNTER
MANUFACTURER: BASIS OF DESIGN
SIZE: CUSTOM; SEE ENTERIOR ELEV. FOR SIZE
NOTE:NOT REQUIRED TO BE BULLET PROOF
DESCRIPTION: CLEAR ACRYLIC GLASS

ART-1 — MANUFACTURER: BY CITY APPROVED ARTIST
NOTE:TBD
DESCRIPTION: ART IN PUBLIC SPACES
REMARKS: LOCATION: 1ST FLOOR LOBBY WALL

G-1 — MANUFACTURER: MAPEI
COLOR: SAHARA BEIGE #11
NOTE:FOR BATHROOM WALLS & FLOOR
DESCRIPTION: GROUT
STYLE: KERACOLOR-U UNSANDED

G-2 — MANUFACTURER: NOT USED
COLOR: NOT USED
NOTE:NOT USED
DESCRIPTION: GROUT
STYLE: NOT USED

G-3 — MANUFACTURER: MAPEI
COLOR: WHITE #00
NOTE:FOR BACKSPLASH
DESCRIPTION: GROUT
STYLE: KERACOLOR-U UNSANDED
REMARKS: COORDINATES W/ CT-2

G-4 — LOCATION:TERRACE FLOORING
MANUFACTURER: LATICRETE
COLOR: RAVEN 45
DESCRIPTION: GROUT EXTERIOR USE
STYLE: CONTRACTOR'S RECOMMENDATION
REMARKS: COORDINATES W/ PT-4

TR-1 — LOCATION:WALL TILE TRIM
MANUFACTURER: SCHLUTER
COLOR: SATIN ANODIZED ALUMINUM (AE)
SIZE: CONTRACTOR TO ADVISE
DESCRIPTION: TILE TRIM
STYLE: JOLLY

4
TR-2 — LOCATION:WALL TILE CORNER TRIM
MANUFACTURER: SCHLUTER
COLOR: SATIN ANODIZED ALUMINUM (AE)
SIZE: 12.5 mm (1/2")
DESCRIPTION: TILE TRIM
STYLE: QUADEC
REMARKS: APPLY TO FULL HEIGHT OF WALL

FRP-1 — LOCATION:LVL 1 LOBBY FRONT DESK COUNTER
MANUFACTURER: MARLITE
COLOR: GRAPHIC SPECTRUM FP612
NOTE:SEE INTERIOR ELEVATIONS
DESCRIPTION: FIBERGLASS REINFORCED PLASTIC (FRP)
STYLE: ARTIZAN MAX FRP
REMARKS: BLACK ANODIZED ALUMINUM TRIMS

CG-1 — LOCATION:SEE FINISH PLAN FOR LOCATIONS
MANUFACTURER: PAWLING CORPORATION
COLOR: ALUMINUM
SIZE: 1" WINGS, FULL WALL HEIGHT
DESCRIPTION: CORNER GUARDS METAL
STYLE: CG-400
REMARKS: UNDRILLED FOR ADHESIVE INSTALLATION

4
CG-2 — LOCATION:SEE FINISH PLAN FOR LOCATIONS
MANUFACTURER: INPRO
COLOR: TBD
SIZE: 2" WING X 4' HIGH
DESCRIPTION: CORNER GUARD SURFACE MOUNT 90
STYLE: 160BN BLUNOSE
REMARKS: RIGID VINYL

RT-1 — LOCATION:LVL 1 ENTRY LOBBY
MANUFACTURER: BASIS OF DESIGN: FRY REGLET
COLOR: POWDER COATED BLACK
SIZE: 1" HIGH
NOTE:SEE INTERIOR ELEVATIONS FOR DETAILS
DESCRIPTION: METAL REVEAL TRIM, L ANGLE

RT-2 — LOCATION:LVL 1 ENTRY LOBBY
MANUFACTURER: BASIS OF DESIGN: FRY REGLET
COLOR: POWDER COATED BLACK
SIZE: 1/2" WIDE
NOTE:SEE INTERIOR ELEVATIONS FOR DETAILS
DESCRIPTION: METAL REVEAL TRIM, OUTSIDE CORNER @ 90 DEGREES

RT-3 — LOCATION:LVL 1 ENTRY LOBBY
MANUFACTURER: BASIS OF DESIGN: FRY REGLET
COLOR: POWDER COATED BLACK
SIZE: 1/8" THICK
NOTE:SEE INTERIOR ELEVATIONS FOR DETAILS
DESCRIPTION: METAL REVEAL TRIM, POST TERMINATION

4
MR-1 — LOCATION:LVL 2 GYM
MANUFACTURER: BASIS OF DESIGN: FRY REGLET
COLOR: TBD
SIZE: TBD
NOTE:SEE INTERIOR ELEVATIONS FOR DETAILS
DESCRIPTION: MIRROR FULL HEIGHT

FINISH LEGEND - MIAMI DADE FIRE DEPARTMENT: BASIS OF DESIGN

FLOORING

F CS-1 — LOCATION:MECHANICAL, FIRE PUMP, TRASH, ELEC, FPL ROOMS
MANUFACTURER: SHERWIN WILLIAMS
DESCRIPTION: H&C CLEAR LIQUID HARDENER/ DENSIFIER H&C LITHIUM PROTECTIVE FINISH

F TER-1 — LOCATION:RESTROOMS
MANUFACTURER: TERRAZZO & MARBLE SUPPLY COMPANIES
COLOR: CUSTOM
DESCRIPTION: EPOXY TERRAZZO FLOORIN
STYLE: THIN-SET EPOXY TERRAZZO FLOORING SYSTEM
REMARKS: PROVIDE 6" HIGH BASE

F TER-2 — LOCATION:RESTROOMS
MANUFACTURER: TERRAZZO & MARBLE SUPPLY COMPANIES
COLOR: CUSTOM- SAME AS F TER-1
DESCRIPTION: EPOXY TERRAZZO FLOORING W/ SLIP RESISTANT EPOXY
STYLE: THIN-SET EPOXY TERRAZZO FLOORING SYSTEM
REMARKS: PROVIDE 6" HIGH BASE

F SP-1 — LOCATION:DORM BATHROOM SHOWERS
MANUFACTURER: MINCEY MARBLE
COLOR: WHITE 2250
DESCRIPTION: NON ADA SHOWERS: SP-CUST WITH 5-1/2" CURB
STYLE: TBD
REMARKS: FOR ADA SHOWERS: R1-36-ADJ-62: 36 x 62 ADJUSTABLE ROLL-IN PAN

F RT-1 — LOCATION:EXERCISE ROOM
MANUFACTURER: JOHNSONITE
COLOR: RAS BLUESTONE
SIZE: 24" X 24" X 3/8" THICK
DESCRIPTION: RUBBER FLOOR
STYLE: REPLAY INTERLOCKING TILE
REMARKS: INSTALLATION: TBD

F FQ-1 — LOCATION:APPARATUS, WORK, EMS, BUNKER, BIO, CUSTODIAL, COVERED TERRACE
MANUFACTURER: DUR-A-FLEX
COLOR: TBD
DESCRIPTION: BROADCAST EPOXY SYSTEM WITH URETHANE TOPCOAT GRIT
STYLE: HYBRI-FLEX EB, 3-COAT FULL CONTACT; CONTACT MARK EDINGER (860-528-9838) FOR QUALIFIED FLOORING CONTRACTORS

WALL BASE

F WB-1 — LOCATION:SEE FINISH SCHEDULE
MANUFACTURER: TARKETT
COLOR: 63- BURNT UMBER B
SIZE: 4" HIGH
DESCRIPTION: RUBBER WALL BASE
STYLE: BASEWORKS THERMOSET W/ TOE PROFILE
REMARKS: COORD W/ F RT-1 & F CS-1

F WB-2 — DESCRIPTION: NOT USED

F WB-3 — LOCATION:SEE FINISH SCHEDULE
MANUFACTURER: DAVID ALLEN COMPANY
COLOR: MATCH ADJ FINISH
SIZE: 6" HIGH
DESCRIPTION: INTEGRAL COVE BASE
REMARKS: COORD W/ F TER-1, F TER-2

F WB-4 — LOCATION:SEE FINISH SCHEDULE
COLOR: MATCH F FQ-1
SIZE: 6" HIGH
DESCRIPTION: SEAMLESS QUARTZ BASE
REMARKS: COORD W/ F FQ-1

WALL - PANEL

F WP-1 — LOCATION:WALL PANELS AT TOILET ROOMS AND SHOWERS
MANUFACTURER: MARBLE-LITE
COLOR: TBD
SIZE: 60"H x THICKNESS TBD
NOTE:FULL HEIGHT AT SHOWERS
DESCRIPTION: SHOWER WALL PANEL SYSTEM
REMARKS: WWW.MARBLELITE.COM

WALL & CEILING - PAINT

F P-1A — LOCATION:INTERIOR GYPSUM CEILINGS
MANUFACTURER: SHERWIN WILLIAMS
COLOR: EXTRA WHITE
FINISH:FLAT
DESCRIPTION: CEILING BOARD PAINT
REMARKS: PRIMER ONE (1) COAT
PROMAR 200 ZERO VOC INT. LATEX
FINISH - TWO (2) COATS PROMAR 400 ZEROVOC INT. LATEX

WAL & CEILING - PAINT CONT.

F P-2A — LOCATION:SEE RCP'S
MANUFACTURER: SHERWIN WILLIAMS
COLOR: EXTRA WHITE
FINISH:FLAT
DESCRIPTION: DENSGLASS CEILING PAINT
REMARKS: PRIMER ONE (1) COAT PROMAR 200 ZERO VOC INT.PRIMER/ SEALER WHITE. FINISH-TWO (2) COATS PROMAR 200 ZERO VOC.

F P-3A — DESCRIPTION: NOT USED

F P-1 — LOCATION:INTERIOR FIELD PAINT
MANUFACTURER: BENJAMIN MOORE
COLOR: DECORATOR'S WHITE OC-149
FINISH:SATIN
DESCRIPTION: GYPSUM WALL PAINT
REMARKS: PRIMER ONE (1) COAT PROMAR 200 ZERO VOC INT. LATEX. FINISH - TWO (2) COATS PROMAR 400 ZERO VOC INT. LATEX

F P-2 — LOCATION:INTERIOR ACCENT PAINT #1
MANUFACTURER: SHERWIN WILLIAMS
COLOR: AQUITAINE SW 9057
FINISH:SATIN
REMARKS: PRIMER ONE (1) COAT PROMAR 200 ZERO VOC INT. LATEX/ FINISH-TWO (2) COATS PROMAR 400 ZERO VOC INT. LATEX

F P-3 — LOCATION:INTERIOR WALL PAINT
MANUFACTURER: SHERWIN WILLIAMS
COLOR: DRIFT OF MIST SW 9166
FINISH:SATIN
DESCRIPTION: DORM ROOMS
REMARKS: PRIMER ONE (1) COAT PROMAR 200 ZERO VOC INT. LATEX FINISH - TWO (2) COATS PROMAR 400 ZERO VOC INT. LATEX

F P-4 — LOCATION:INTERIOR ACCENT PAINT #2
MANUFACTURER: SHERWIN WILLIAMS
COLOR: MOUNTAIN AIR 6224
FINISH:SATIN
REMARKS: PRIMER ONE (1) COAT PROMAR 200 ZERO VOC INT. LATEX/ FINISH-TWO (2) COATS PROMAR 400 ZERO VOC INT. LATEX

CASEGOOD

F PL-1 — LOCATION:TOILET ROOMS, KITCHEN & WORK ROOM
MANUFACTURER: FORMICA
COLOR: NEUTRAL TWILL MATT 8826-58
NOTE:UPPER AND LOWER CABINETS
DESCRIPTION: MILLWORK LAMINATE

F ST-1 — LOCATION:KITCHEN & WORK ROOM CABINETS
MANUFACTURER: TBA
DESCRIPTION: STAINLESS STEEL COUNTER TOPS & BACKSPLASH EDGE DETAIL:TBA

F SS-1 — LOCATION:TBD
MANUFACTURER: WILSONART
COLOR: BLUESTONE 9074EA(S)
DESCRIPTION: SOLID SURFACE EDGE DETAIL:BEVELED EDGE

SPECIALTY

F CG-1 — LOCATION:SEE PLAN
MANUFACTURER: PAWLING CORPORATION
COLOR: STAINLESS STEEL
SIZE: 3-1/2" WING X 4'-0" HEIGHT
DESCRIPTION: CORNER GUARDS
STYLE: CG-50
REMARKS: 304 STL. ST. 16 GA, TYPICAL AT ALL OUTSIDE CORNERS

F MP-1 — LOCATION:BUNKER GEAR
SIZE: 1/16" THICK, FULL HEIGHT
DESCRIPTION: ALUMINUM DIAMOND PLATE WALL PANELS
REMARKS: USE STAINLESS STEEL CONCRETE FLAT HEAD ANCHORS & WASHERS

F IS-1 — LOCATION:BATHROOMS
MANUFACTURER: DURASEIN
COLOR: CAMEO WHITE
SIZE: SEE ENTERIOR ELEV. FOR SIZE
DESCRIPTION: INTEGRATED SOLID SURFACE COUNTER TOP AND SINK

ACOUSTICAL CEILING SYSTEM

F ACT-1 — LOCATION:GENERAL ACOUSTICAL CEILING
MANUFACTURER: ARMSTRONG CEILINGS
COLOR: WHITE
SIZE: 24"x24"x3/4"
GRID:SUPRAFINE 9/16" SUSPENSION SYSTEM
DESCRIPTION: ACOUSTICAL CEILING TILE
STYLE: ULTIMA BEVELED TEGULAR

F ACT-2 — LOCATION:DORM ROOMS
MANUFACTURER: ARMSTRONG
SIZE: 24"x24"x1 1/2"
GRID:SUPRAFINE 9/16" SUSPENSION SYSTEM
STYLE: OPTIMA SQUARE TEGULAR

FINISH LEGEND - EXTERIOR: BASIS OF DESIGN

WALL & CEILING - PAINT

XPT 1 — MANUFACTURER: SHERWIN WILLIAMS
DESCRIPTION: EXTERIOR PAINT ON STUCCO (FINE)
STYLE: SW 7035 AESTHETIC WHITE
REMARKS: OR SIMILAR REFER TO SPECIFICATIONS

XPT 2 — MANUFACTURER: SHERWIN WILLIAMS
DESCRIPTION: EXTERIOR PAINT ON STUCCO (FINE)
STYLE: SW 6866 HEART THROB
REMARKS: OR SIMILAR REFER TO SPECIFICATIONS

XPT 3 — MANUFACTURER: SHERWIN WILLIAMS
DESCRIPTION: EXTERIOR PAINT ON STUCCO (FINE)
STYLE: SW 7018 DOVETAIL
REMARKS: OR SIMILAR REFER TO SPECIFICATIONS

XPT 4 — MANUFACTURER: SHERWIN WILLIAMS
DESCRIPTION: EXTERIOR PAINT ON STUCCO (FINE)
STYLE: SW 6005 FOLKSTONE
REMARKS: OR SIMILAR REFER TO SPECIFICATIONS

FINISH LEGEND - ALTERNATES: BASIS OF DESIGN

ALT-1 — LOCATION:LVL 1 LOBBY
DESCRIPTION: USE PORCELAIN TILE (PT-2) IN LIEU OF TERRAZZO (TER-1)

ALT-2 — LOCATION:LVL 1 LOBBY WALL
MANUFACTURER: FIRENZE COLOR
COLOR: P-6 (SEE FINISH LEGEND)
SIZE: 40"L x 19"H
DESCRIPTION: VENETIAN PLASTER IN LIEU OF ART-1
STYLE: PRIMER, BASECOAT, 2 COATS, SEALER
REMARKS: LOCATION: LOBBY WALL
CONTACT: tbd

ALT-3 — LOCATION:RESTROOMS & LOCKERROOMS
MANUFACTURER: SCHLUTER
COLOR: SATIN ANODIZED ALUMINUM (AE)
SIZE: 12.5 mm (1/2")
DESCRIPTION: TILE FLOOR/WALL TRANSITION
STYLE: DILEX-AHK

ALT-4 — LOCATION:LVL 1 LOBBY FRONT DESK TRANSACTION TOP
MANUFACTURER: WILSONART
COLOR: ARASHI Q4011
SIZE: CUSTOM
DESCRIPTION: QUARTZ EDGE DETAIL:EASED EDGE
REMARKS: IN LIEU OF SS-1

ALT-5 — LOCATION:LVL 6 BREAKROOM, COFFEE ALCOVE, KITCHEN ISLAND
MANUFACTURER: WILSONART
COLOR: DESERT VIEW Q4043
SIZE: CUSTOM
DESCRIPTION: QUARTZ EDGE DETAIL:EASED EDGE
REMARKS: IN LIEU OF SS-2

ALT-6 — LOCATION:FIRE STATION
FINISH:POLISH TO A SATIN FINISH
NOTE:EXPOSED SURFACES TO BE FREE FROMPIT MARKS, WELD SEAMS, SCALE.
DESCRIPTION: STAINLESS STEEL CABINETS & COUNTERTOPS
STYLE: SS CONSTRUCTION
EDGE DETAIL:TOP WITH ROUNDED EDGE
REMARKS: IN LIEU OF LAMINATE MILLWORK

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

FINISH SCHEDULE - LEVEL 1

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
LEVEL 1						
001	FPL VAULT	CS-1	N/A	N/A	N/A	
002	MAIN ELEC. SWITCH ROOM	CS-1	N/A	N/A	N/A	
003	TRASH ENCLOSURE	CS-1	N/A	N/A	N/A	
004	FIRE PUMP ROOM	F CS-1	N/A	N/A	N/A	
005	TERRACE	CS-2	N/A	N/A	N/A	
100	ENTRY LOBBY	TER-1	WB-1	P-1, P3, P-4 , VP-1, WP-1	CL-1	ALTERANTE W/ PT-2, SEE SPECS
100.1	ELEVATOR LOBBY	TER-1	WB-1	P-1, P3, P-4 , VP-1, WP-1	P-2A	ALTERANTE W/ PT-2, SEE SPECS
100.2	CORRIDOR	TER-1	WB-1	P-1	CL-5	ALTERANTE W/ PT-2, SEE SPECS
101	JAN.	CS-1	--	P-1	CL-5	
103	UNISEX RR	PT-1	PT-1	P-1, PT-4	CL-2	
104	MECH.	CS-1	N/A	N/A	CL-8	
105	FRONT COUNTER	LVT-1	WB-2	P-1, P-3	CL-5	
106	MANAGER'S OFFICE	LVT-1	WB-2	P-1	CL-5	
107	BLDG & ZONING CLK/ ASSIT SUPV	LVT-1	WB-2	P-1	CL-5	
108	BREAK ROOM	LVT-1	WB-2	P-1	CL-1, CL-5	
109	BUILDING REVIEWER WORKROOM	LVT-1	WB-2	P-1	CL-5	
110	UNISEX RR	PT-1	WB-2	P-1, PT-4	CL-2	
EL-01	EL - 1	PT-2	--	--	--	SEE FINISHES IN SHEET ID-101 GN #7
EL-02	EL - 2	PT-2	--	--	--	SEE FINISHES IN SHEET ID-101 GN #7
FS100	PUBLIC ENTRY CORRIDOR FD/PD	F TER-1	F WB-3	F P-1	CL-1	
FS101	RECEPTION	F TER-1	F WB-3	F P-1	CL-5	
FS101.1	UNISEX RR	F TER-2	F WB-3	F WP-1, F P-1	CL-2	
FS102	LT. OFFICE	F TER-1	F WB-3	F P-1	CL-5	
FS103	VESTIBULE	F TER-1	F WB-3	F P-6	CL-5	
FS103.1	DAY ROOM	F TER-1	F WB-3	VARIES	CL-5	SEE FINISH PLAN FOR WALL PAINT PATTERN
FS103.2	DINING ROOM	F TER-1	F WB-3	VARIES	CL-1, CL-5	SEE FINISH PLAN FOR WALL PAINT PATTERN
FS103.3	KITCHEN	F TER-1	F WB-3	F P-1, F P-2	CL-1, CL-5	
FS103.4	INTERIOR CORRIDOR	F TER-1	F WB-3	F P-1	CL-1, CL-5	
FS104	PANTRY	F TER-1	F WB-3	F P-1	CL-5	
FS105	COVERED PATIO	F FQ-1	F WB-4		CL-3	
FS105.2	ELECTRICAL	F CS-1	F WB-5	F P-1	CL-1	
FS106	UNISEX RR	F TER-2	F WB-3	F WP-1, F P-1	CL-2	
FS107	RADIO CHARGING	F TER-1	F WB-3	F P-1	CL-5	
FS108	DORM-1	F TER-1	F WB-3	F P-3	CL-6	
FS109	BATH - 1	F TER-2, F SP-1	F WB-3	F WP-1, F P-1	CL-2	
FS110	DORM-2	F TER-1	F WB-3	F P-3	CL-6	
FS111	DORM HALL	F TER-1	F WB-3	F P-1	CL-6	
FS112	DORM-3	F TER-1	F WB-3	F P-3	CL-6	
FS113	BATH - 2	F TER-2, F SP-1	F WB-3	F WP-1, F P-1	CL-2	
FS114	DORM-4	F TER-1	F WB-3	F P-3	CL-6	
FS115	DORM-6	F TER-1	F WB-3	F P-3	CL-6	
FS116	BATH - 3	F TER-2, F SP-1	F WB-3	F WP-1, F P-1	CL-2	
FS117	DORM-5	F TER-1	F WB-3	F P-3	CL-6	
FS118	DORM HALL	F TER-1	F WB-3	F P-1	CL-6	
FS119	DORM-7	F TER-1	F WB-3	F P-3	CL-6	
FS120	BATH-4	F TER-2, F SP-1	F WB-3	F WP-1, F P-1	CL-2	
FS121	DORM-8	F TER-1	F WB-3	F P-3	CL-6	
FS122	OIC DORM	F TER-1	F WB-3	F P-3	CL-6	
FS122.1	OIC BATH	F TER-2, F SP-1	F WB-3	F WP-1, F P-1	CL-2	
FS123	DECON. ZONE	F FQ-1	F WB-4	F P-1	CL-4	
FS123.1	BATH-6	F TER-2, F SP-1	F WB-3	F WP-1, F P-1	CL-2	
FS123.2	STORAGE ROOM	F FQ-1	F WB-4	F P-1	CL-8	
FS124	APPARATUS BAY	F FQ-1	F WB-4	F P-1	CL-8	
FS125	WORK ROOM	F FQ-1	F WB-4	F P-1	CL-4	
FS126	BUNKER GEAR ROOM	F FQ-1	F WB-4	F MP-1	CL-4	
FS127	EMS ROOM	F FQ-1	F WB-4	F P-1	CL-1	
FS128	BIO HAZARD ROOM	F FQ-1	F WB-4	F P-1	CL-4	
FS129	CUSTODIAL ROOM	F FQ-1	F WB-4	F P-1	CL-4	
FS130	OIC OFFICE	F TER-1	F WB-3	F P-1	CL-5	
FS131	STUDY ROOM	F TER-1	F WB-3	F P-1	CL-1, CL-5	
FS132	IT ROOM	F TER-1	F WB-3	F P-1	CL-5	
FS133	MECH ROOM	F CS-1	F WB-5	F P-1	CL-8	
ST-01	STAIR 1	--	--	--	--	SEE A-604 FOR FINISHES
ST-02	STAIR 2	--	--	--	--	SEE A-604 FOR FINISHES
ST-03	STAIR 3	--	--	--	--	SEE A-604 FOR FINISHES

FINISH SCHEDULE - LEVEL 2

ROOM NUMBER	ROOM NAME	FLOOR FINISH	BASE FINISH	WALL FINISH	CEILING FINISH	COMMENTS
LEVEL 2A	

GENERAL NOTES - INTERIORS

1. ALL EXPOSED SURFACES SHALL BE FINISHED. VERIFY FINISH WITH THE INTERIOR DESIGNER WHERE THE FINISH IS NOT INDICATED OR IS UNCLEAR.

2. ALL FLOOR FINISH CHANGES SHALL OCCUR UNDER THE CENTERLINE OF DOORS IN THE CLOSED POSITION. ALL FLOORING TO RUN UNDERNEATH MILLWORK, DOOR REVEALS, CLOSETS AND SIMILAR OPENINGS. SCRIBE, CUT AND FIT FLOORING TO PIPES, PERMANENT FIXTURES AND FLOOR RECEPTACLES PRIOR TO INSTALLATION.

3. STAIRWELL: SEE SHEETS (***A-600***) FOR STAIRWELL DETAILS.

4. PAINT HOLLOW METAL DOOR FRAMES (***P-1***) OR (***TO MATCH ADJACENT WALL***).

5. PAINT INTERIOR (***STEEL, HOLLOW METAL, WOODEN***) DOOR (***P-1***).

6. WINDOW SILLS TO BE ***SSM1*** (ONLY USE IF SOLID SURFACE WINDOW SILL ARE BEING USED).

7. ELEVATOR FINISHES: (SEE SHEET ***A-602*** FOR ELEVATIONS & DETAILS): MANUFACTURE; OTIS
   FOR ELEVATORS EL-1 & EL-2:
   FLOOR: PORCELAIN TILE (PT-2), SEE FINISH LEGEND, SHEET ID-100
   WALLS: PREMIUM LAMINATE: WALNUT HEIGHTS 7965
   HANDRAILS: STAINLESS STEEL
   CEILING: STAINLESS STEEL
   FOR ELEVATOR EL-3 & EL-4:
   FLOOR: PORCELAIN TILE 12"X12", STYLE TBD
   WALLS: STANDARD FINISHES; RIGIDIZED STAINLESS STEEL 5WL
   HANDRAILS: STAINLESS STEEL
   CEILING: STAINLESS STEEL

8. 803.1.1 "INTERIOR WALL AND CEILING FINISH MATERIALS"
   INTERIOR WALL AND CEILING FINISH MATERIALS SHALL BE CLASSIFIED IN ACCORDANCE WITH ASTM E 84 OR UL 723. SUCH INTERIOR FINISH MATERIALS SHALL BE GROUPED IN THE FOLLOWING CLASSES IN ACCORDANCE WITH THEIR FLAME SPREAD AND SMOKE-DEVELOPED INDEXES.
   CLASS A = FLAME SPREAD INDEX 0-25; SMOKE-DEVELOPED INDEX 0-450.
   CLASS B = FLAME SPREAD INDEX 26-75; SMOKE-DEVELOPED INDEX 0-450.
   CLASS C = FLAME SPREAD INDEX 76-200; SMOKE-DEVELOPED INDEX 0-450.
   (EXCEPTION: MATERIALS TESTED IN ACCORDANCE WITH SECTION 803.1.2)

   TABLE 803.9 "INTERIOR WALL AND CEILING FINISH REQUIREMENTS BY OCCUPANY" (REF. SHEET (G-103)

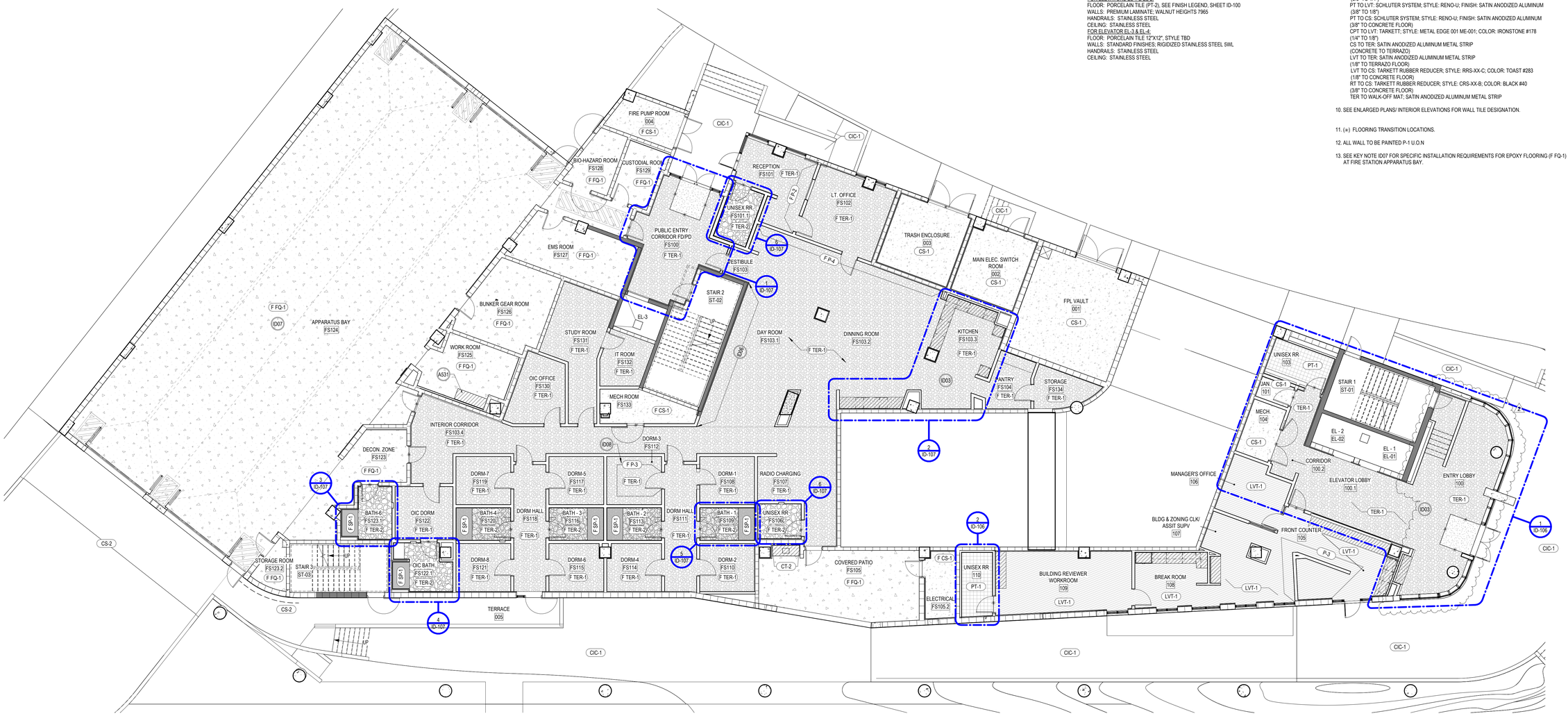
9. FLOORING TRANSITIONS OCCURRING IN THE DOORWAY TO BE CENTERED ON THE CLOSED DOOR WITH THE TRANSITION STRIP NOT VISIBLE. FOLLOW FLORIDA BUILDING CODE REQUIREMENTS ON ACCESSIBILITY (SECTION 303 - CHANGES IN LEVEL FOR ALL ADA REQUIREMENTS).
   FLOORING TRANSITIONS:
   PT TO CPT: SCHLUTER SYSTEM; STYLE: RENO-U; FINISH: SATIN ANODIZED ALUMINUM (3/8" TO 1/4")
   PT TO LVT: SCHLUTER SYSTEM; STYLE: RENO-U; FINISH: SATIN ANODIZED ALUMINUM (3/8" TO 1/8")
   PT TO CS: SCHLUTER SYSTEM; STYLE: RENO-U; FINISH: SATIN ANODIZED ALUMINUM (3/8" TO CONCRETE FLOOR)
   CPT TO LVT: TARKETT; STYLE: METAL EDGE 001 ME-001; COLOR: IRONSTONE #178 (1/4" TO 1/8")
   CS TO TER: SATIN ANODIZED ALUMINUM METAL STRIP (CONCRETE TO TERRAZO)
   LVT TO TER: SATIN ANODIZED ALUMINUM METAL STRIP (1/8" TO TERRAZO FLOOR)
   LVT TO CS: TARKETT RUBBER REDUCER; STYLE: RRS-XX-C; COLOR: TOAST #283 (1/8" TO CONCRETE FLOOR)
   RT TO CS: TARKETT RUBBER REDUCER; STYLE: CRS-XX-B; COLOR: BLACK #40 (3/8" TO CONCRETE FLOOR)
   TER TO WALK-OFF MAT; SATIN ANODIZED ALUMINUM METAL STRIP

10. SEE ENLARGED PLANS/ INTERIOR ELEVATIONS FOR WALL TILE DESIGNATION.

11. (#) FLOORING TRANSITION LOCATIONS.

12. ALL WALL TO BE PAINTED P-1 U.O.N

13. SEE KEY NOTE ID07 FOR SPECIFIC INSTALLATION REQUIREMENTS FOR EPOXY FLOORING (F FQ-1) AT FIRE STATION APPARATUS BAY.



1 LEVEL 1 - FINISH PLAN
1/8" = 1'-0"

SPECIFIC KEYNOTES - INTERIOR

NUMBER	DESCRIPTION
A531	4" CONCRETE PAD POUR FOR CASEWORK, COORDINATE WITH CASEWORK
ID03	SEE ENLARGED FINISH PLANS FOR FINISHES, SHEET SERIES ID-100
ID06	SEE INTERIOR ELEVATIONS FOR PAINTED WALL PATTERN.
ID07	CONTRACTOR TO PROVIDE PROPER TEMPERATURE RANGE OF 60-85 DEGREES FOR INSTALLATION OF EPOXY FLOORING (F FQ-1).
ID08	TYPICAL DORM ROOM FINISHES.

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2	Plan Review	12/20/24

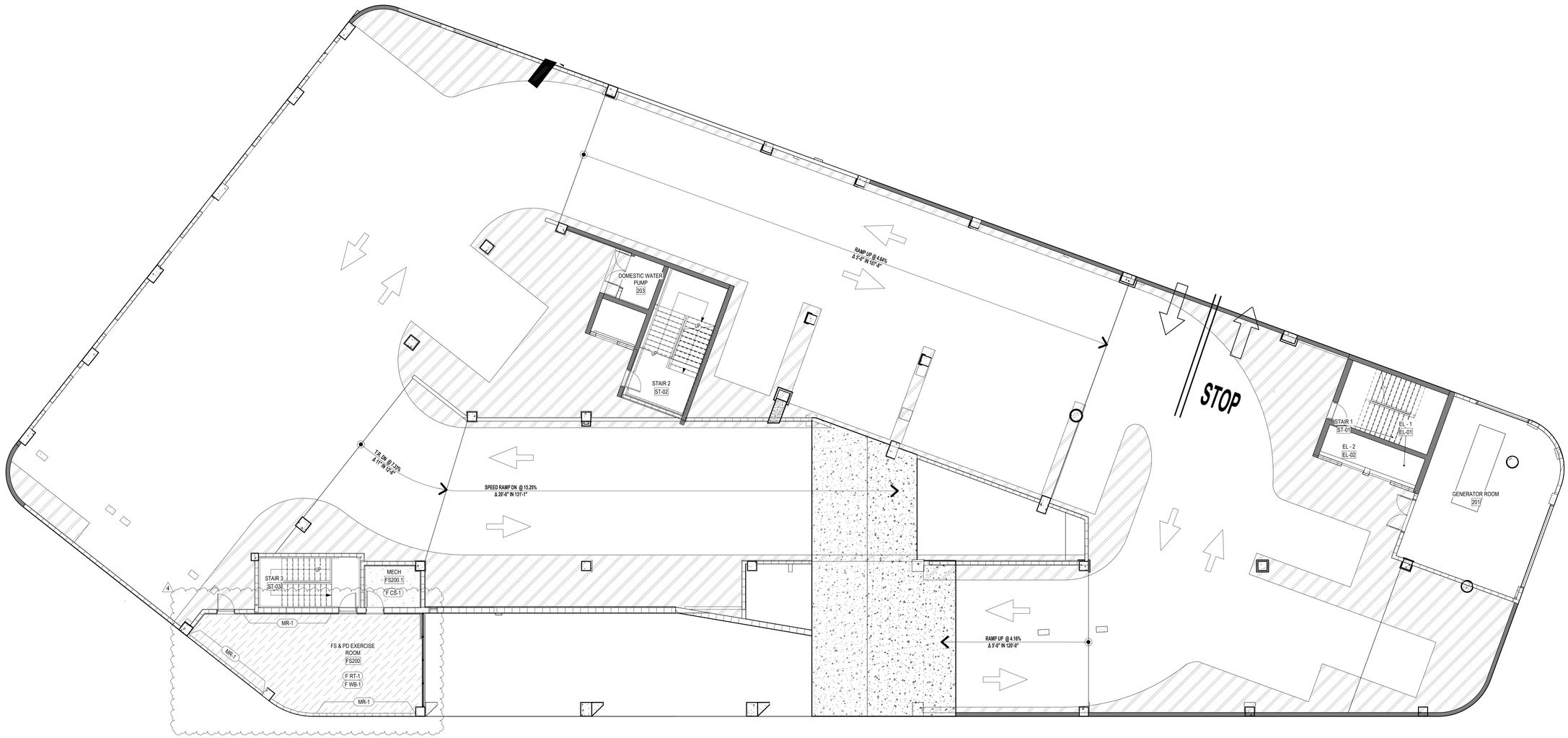
LEVEL 1 - FINISH PLAN

ID-101

SPECIFIC KEYNOTES - INTERIOR	
NUMBER	DESCRIPTION

GENERAL NOTES - INTERIORS

1. SEE SHEET ID-101 FOR ALL FINISH PLAN GENERAL NOTES.



1 LEVEL 2 - FINISH PLAN
1/8" = 1'-0"

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LEVEL 2 - FINISH PLAN

ID-102

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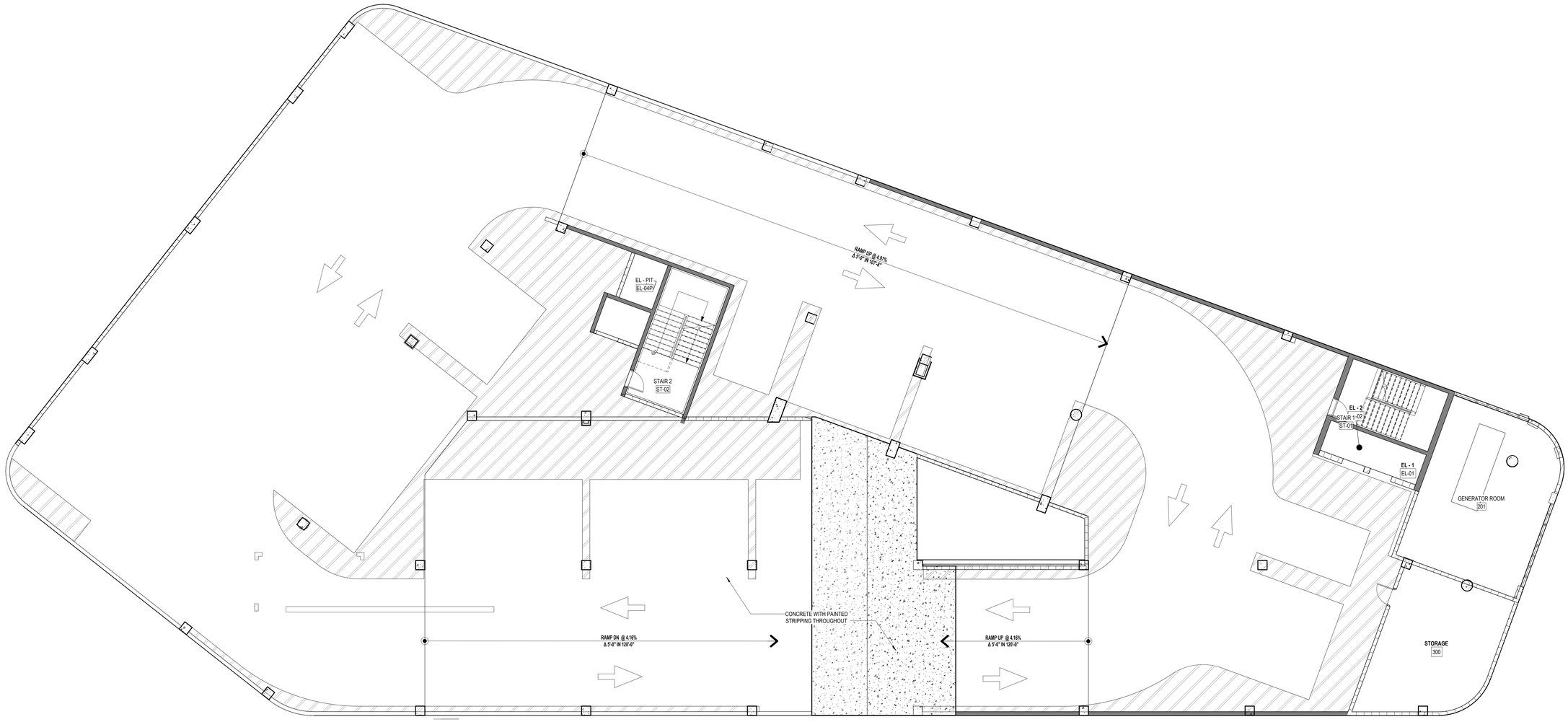

1 LEVEL 3 - FINISH PLAN
1/8" = 1'-0"

SPECIFIC NOTES

TAG	NOTE

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LEVEL 3 - FINISH PLAN

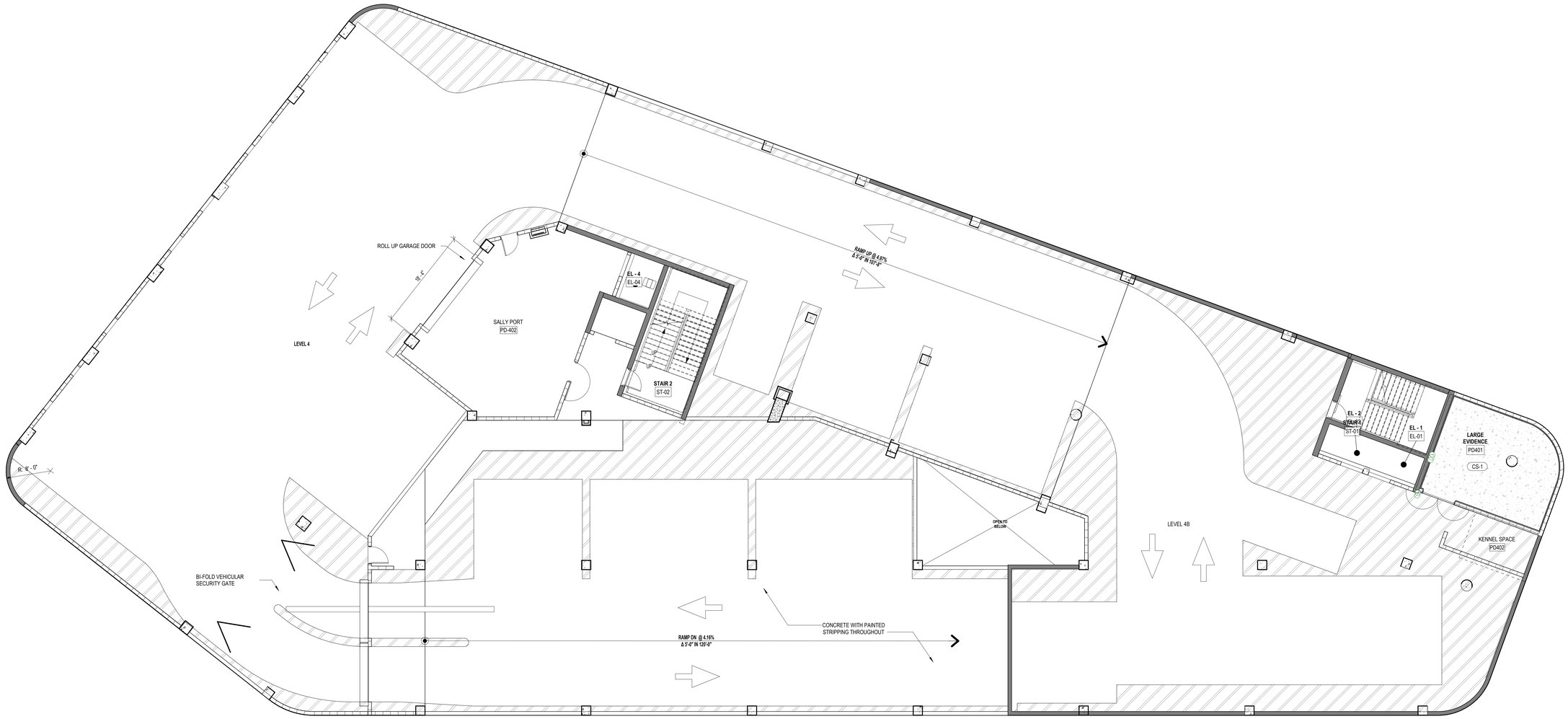
ID-103

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

SPECIFIC KEYNOTES - INTERIOR	
NUMBER	DESCRIPTION

GENERAL NOTES - INTERIORS

1. SEE SHEET ID-101 FOR ALL FINISH PLAN GENERAL NOTES.



1 LEVEL 4 - FINISH PLAN
1/8" = 1'-0"

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LEVEL 4 - FINISH PLAN

ID-104

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SPECIFIC KEYNOTES - INTERIOR

NUMBER	DESCRIPTION
A109	FLOOR DRAIN, SEE PLUMB. FOR EXACT DRAIN PITCH LINE FOR TILE INSTALLATION
ID03	SEE ENLARGED FINISH PLANS FOR FINISHES, SHEET SERIES ID-100
ID04	SEE EXTERIOR ELEVATION SHEET A-303 FOR EXTERIOR FINISHES
ID13	CENTER FLOOR TILE WITH DRAIN PITCH LINE

GENERAL NOTES - INTERIORS

1. SEE SHEET ID-101 FOR ALL FINISH PLAN GENERAL NOTES.



1 LEVEL 6 - FINISH PLAN

1/8" = 1'-0"

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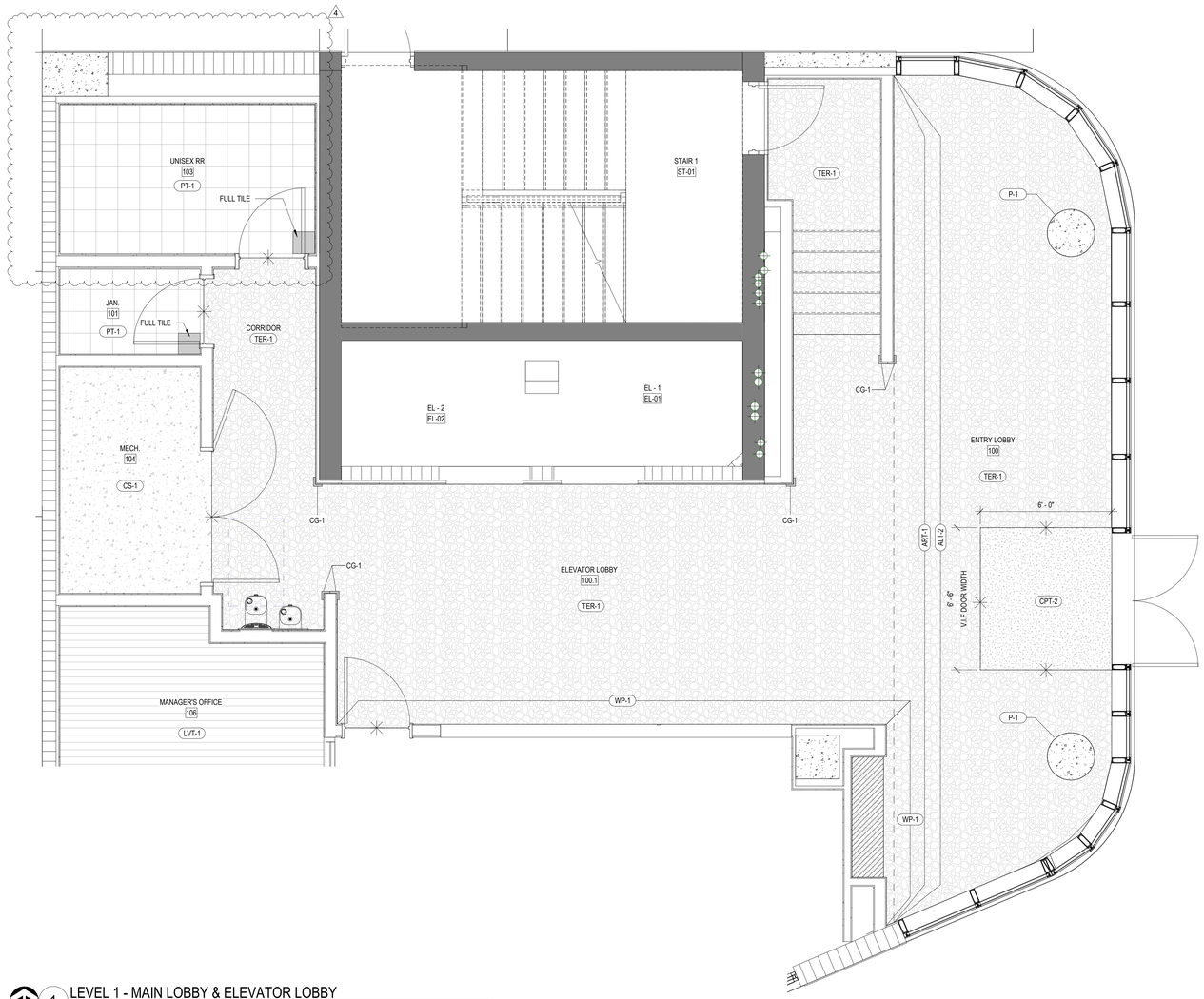
SPECIFIC KEYNOTES - INTERIOR

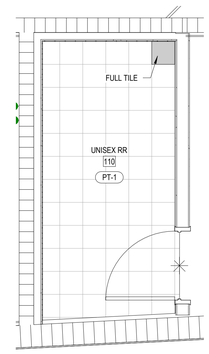
NUMBER	DESCRIPTION

GENERAL NOTES - INTERIORS

1. SEE SHEET ID-101 FOR ALL FINISH PLAN GENERAL NOTES.



1 LEVEL 1 - MAIN LOBBY & ELEVATOR LOBBY
3/8" = 1'-0"



2 LEVEL 1 - FINISH PLAN - UNISEX RR
3/8" = 1'-0"

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MARCEL R. MORLOTE
STATE OF FLORIDA

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FINISH PLANS - ENLARGED

ID-106

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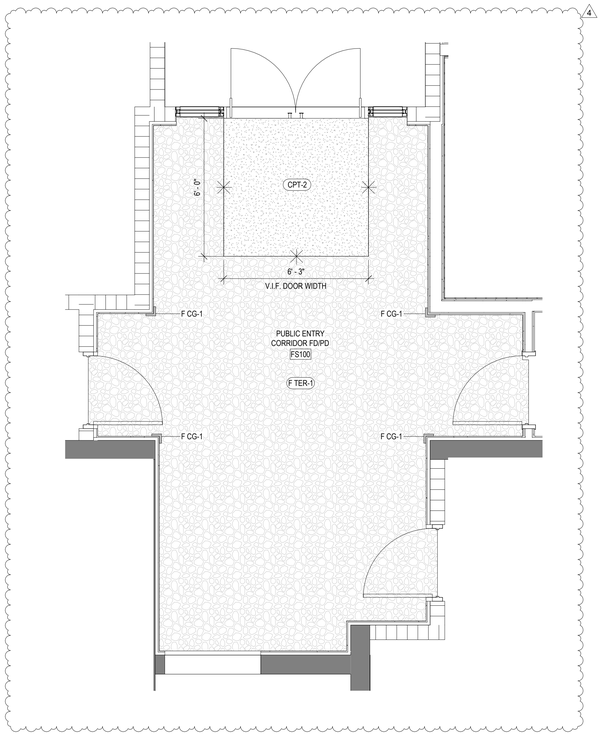
SPECIFIC KEYNOTES - INTERIOR

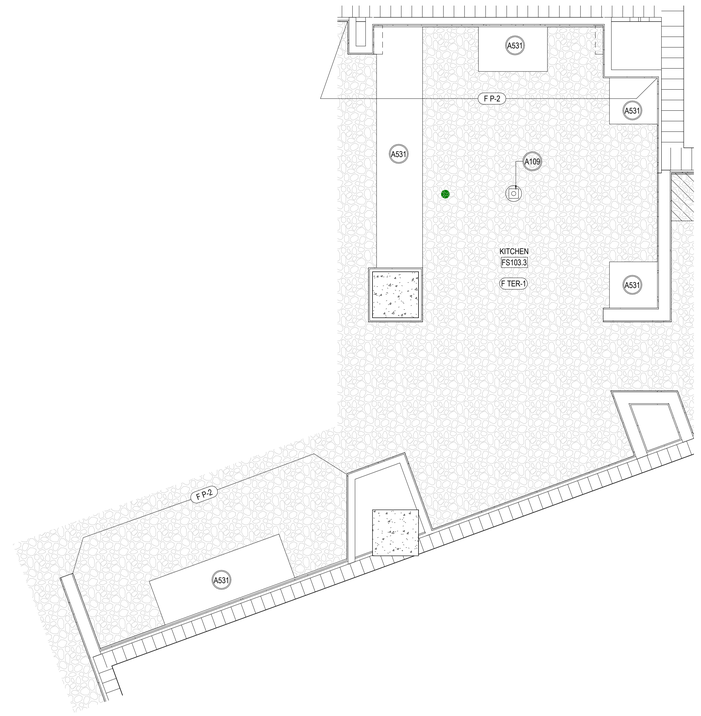
NUMBER	DESCRIPTION
A109	FLOOR DRAIN, SEE PLUMB. FOR EXACT DRAIN PITCH LINE FOR TILE INSTALLATION
A531	4" CONCRETE PAD POUR FOR CASEWORK, COORDINATE WITH CASEWORK

GENERAL NOTES - INTERIORS

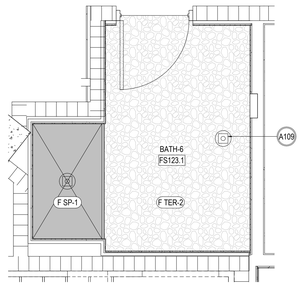
1. SEE SHEET ID-101 FOR ALL FINISH PLAN GENERAL NOTES.



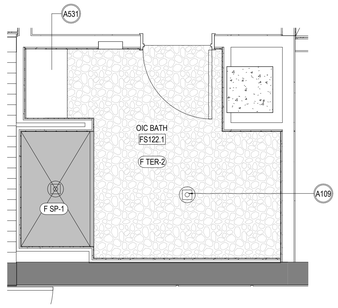
1 LEVEL 1 - POLICE DEPT LOBBY & MDFR RECEPT/RESTROOM
3/8" = 1'-0"



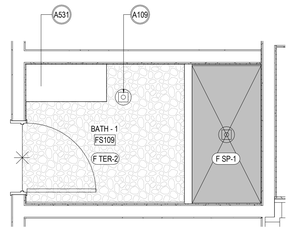
2 LEVEL 1 - FINISH PLAN - FS KITCHEN
3/8" = 1'-0"



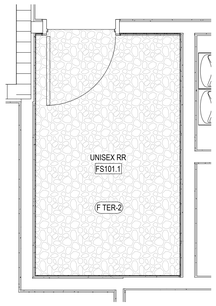
3 LEVEL 1 - FINISH PLAN - FS 123.1
3/8" = 1'-0"



4 LEVEL 1 - FINISH PLAN - FS 122.1 OIC BATHROOM
3/8" = 1'-0"



5 LEVEL 1 - FINISH PLAN - FS DORM BATHROOM TYP.
3/8" = 1'-0"



6 LEVEL 1 - FINISH PLAN - FS 101.1
3/8" = 1'-0"

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STATE OF FLORIDA

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FINISH PLANS - ENLARGED

ID-107

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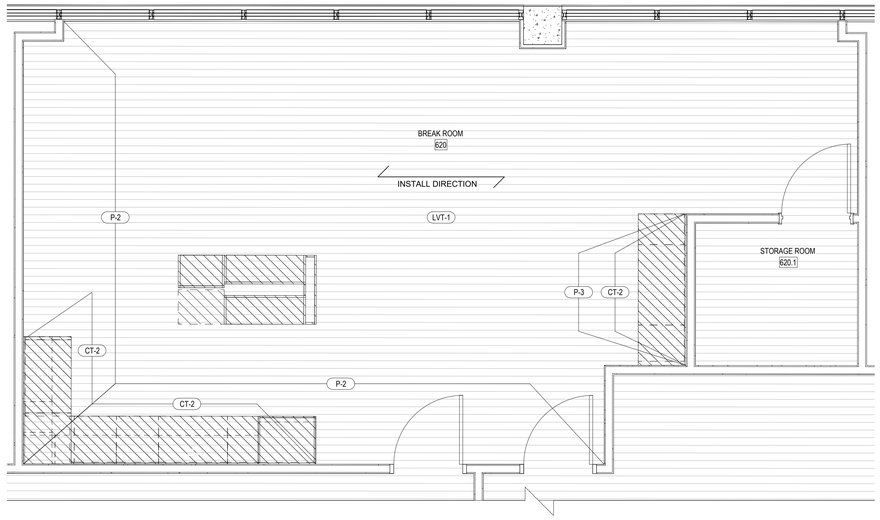
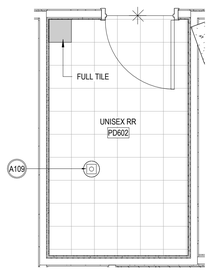
SPECIFIC KEYNOTES - INTERIOR	
NUMBER	DESCRIPTION
A109	FLOOR DRAIN, SEE PLUMB. FOR EXACT DRAIN PITCH LINE FOR TILE INSTALLATION
ID14	FULL TILE AT START OF DRAIN PITCH
ID15	TILE BREAK LINE
ID16	CUT TILE AT DOORWAY, WIDTH TO MATCH FRAME

GENERAL NOTES - INTERIORS

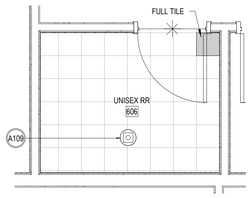
1. SEE SHEET ID-101 FOR ALL FINISH PLAN GENERAL NOTES.



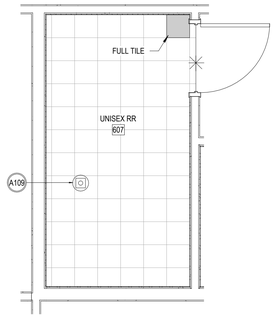
1 LEVEL 6 - FINISH PLAN - BREAK ROOM 620
3/8" = 1'-0"



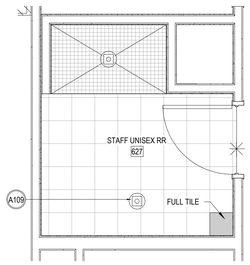
2 LEVEL 6 - FINISH PLAN - UNISEX RR TYP
3/8" = 1'-0"



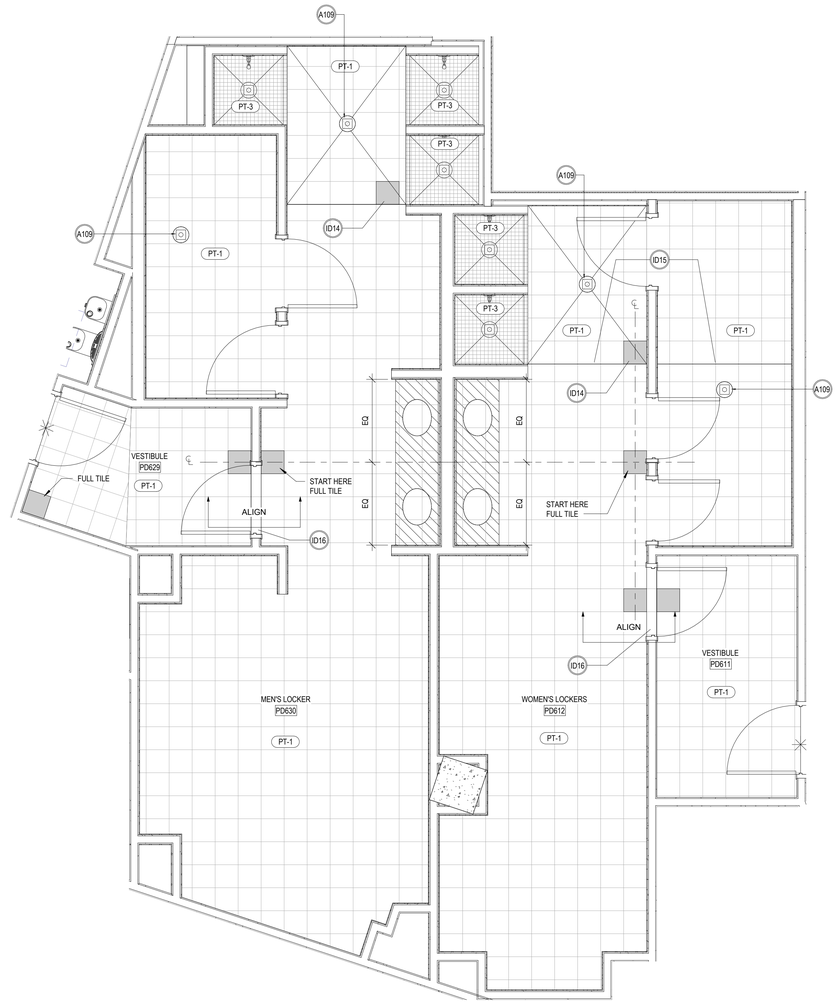
3 LEVEL 6 - FINISH PLAN - RR 606
3/8" = 1'-0"



4 LEVEL 6 - FINISH PLAN - RR ADA 607
3/8" = 1'-0"



5 LEVEL 6 - FINISH PLAN - RR 627
3/8" = 1'-0"



6 LEVEL 6 - FINISH PLAN - LOCKER ROOM PD612 & PD630
3/8" = 1'-0"

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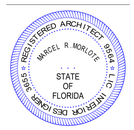

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FINISH PLANS - ENLARGED

ID-108

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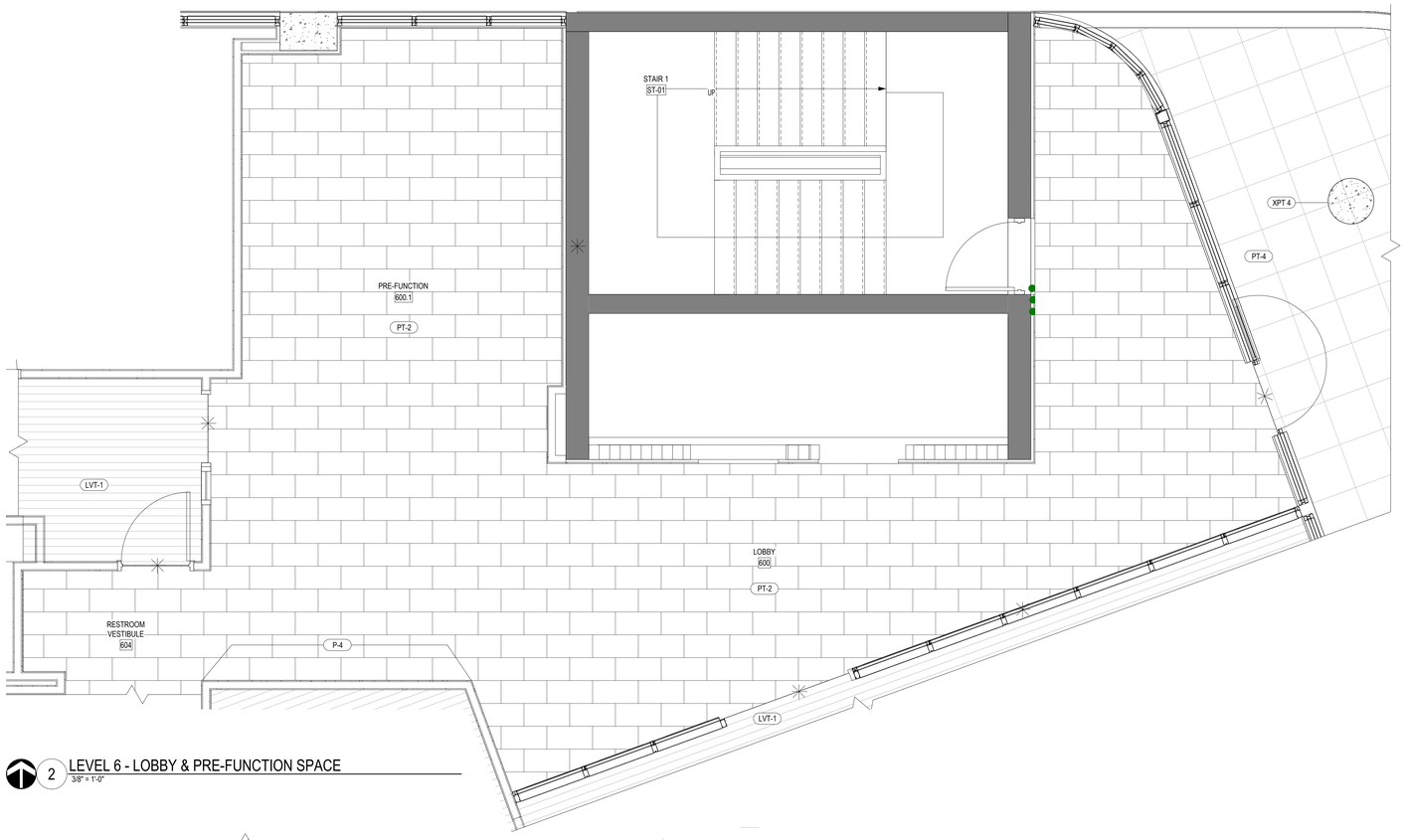
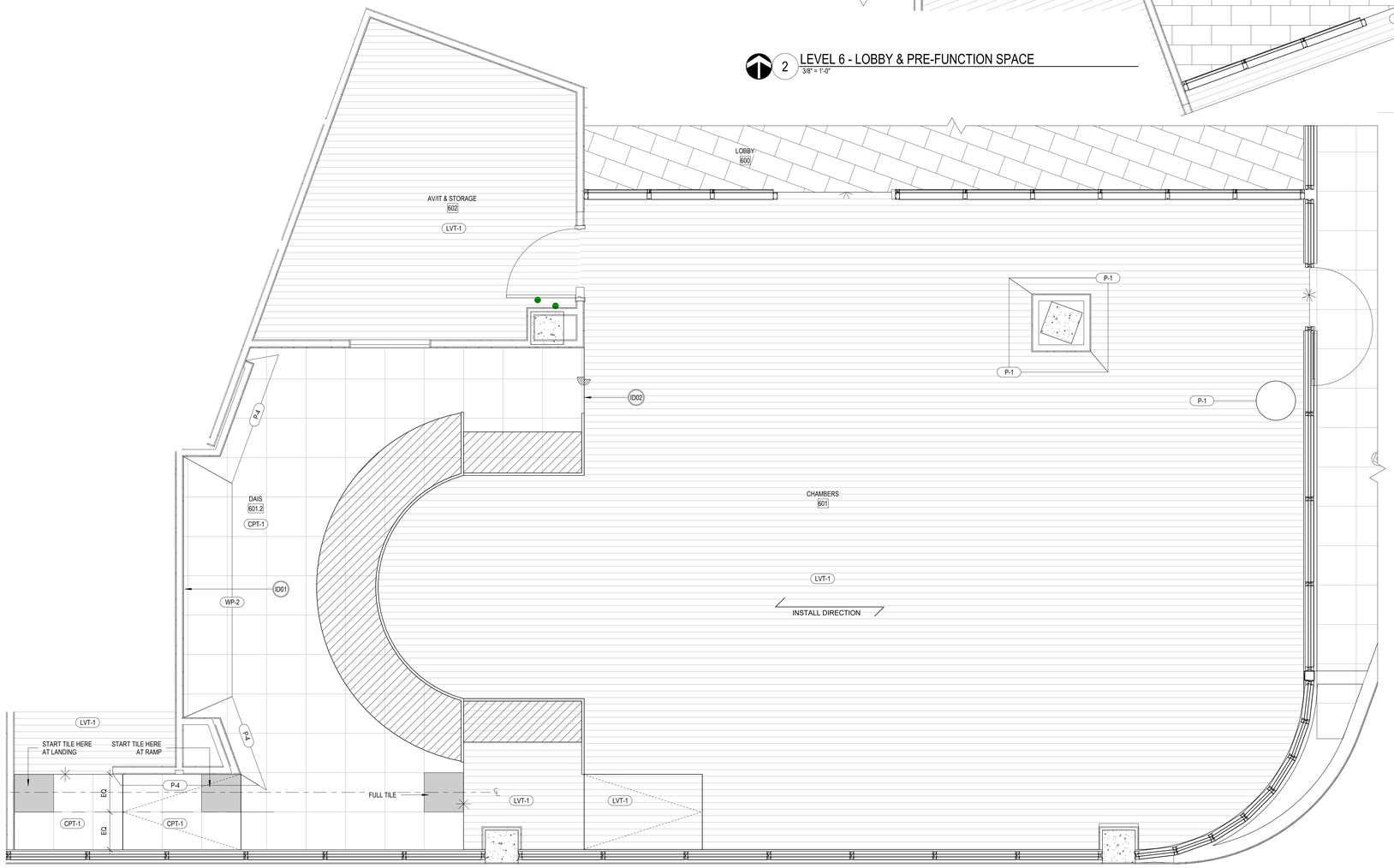


2 LEVEL 6 - LOBBY & PRE-FUNCTION SPACE
3/8" = 1'-0"



1 LEVEL 6 - FINISH PLAN - CHAMBERS 601
3/8" = 1'-0"

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STATE OF FLORIDA

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GENERAL NOTES - INTERIORS

1. SEE SHEET ID-101 FOR ALL FINISH PLAN GENERAL NOTES.

SPECIFIC KEYNOTES - INTERIOR

NUMBER	DESCRIPTION
ID01	NEW LOCATION FOR EXISTING NBV SIGNAGE, CENTERED ON WALL. SEE SHEET ID-500.
ID02	FLOORING LEVEL CHANGE

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1. PLAN REVISION

FINISH PLANS - ENLARGED

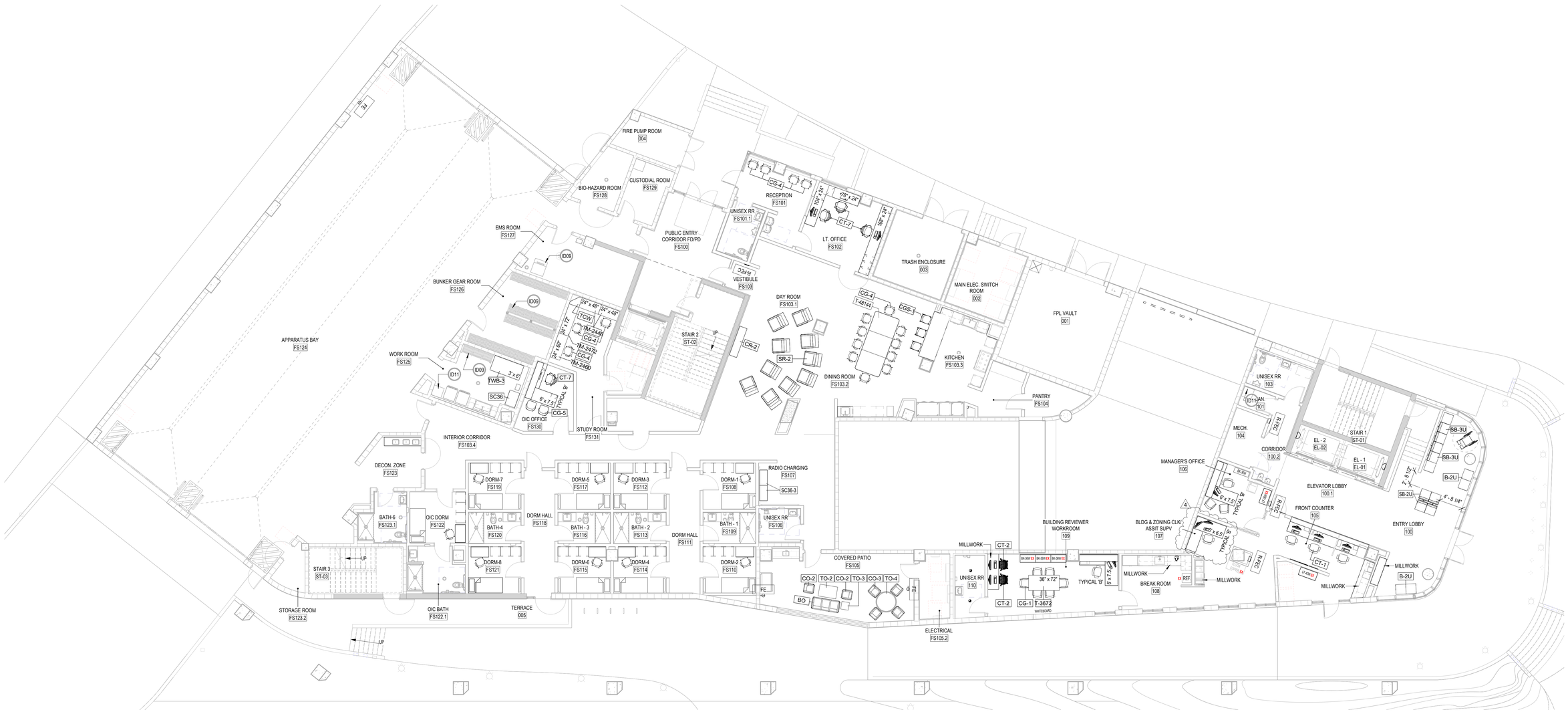
ID-109

SPECIFIC KEYNOTES - INTERIOR

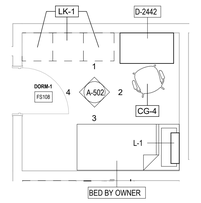
NUMBER	DESCRIPTION
ID09	SEE EQUIPMENT PLAN & SCHEDULE FOR SPECIFICATIONS.
ID11	MOP SINK, SEE PLUMBING DRAWINGS FOR DETAILS.

GENERAL NOTES - FURNITURE

1. FOR ALL VERTICAL FURNITURE, MILLWORK AND EQUIPMENT, PROVIDE WALL ANCHORING SYSTEM AS RECOMMENDED BY MANUFACTURER.
2. PROVIDE WALL BRACING AS REQUIRED.
3. FURNITURE TAGGED WITH 'EX' IS EXISTING TO BE RELOCATED FOR CURRENT OFFICE BUILDING.



1 LEVEL 1 - FURNITURE PLAN
1/8" = 1'-0"



2 TYPICAL DORMITORY FURNITURE LAYOUT
1/4" = 1'-0"

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LEVEL 1 - FURNITURE PLAN

ID-200

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SPECIFIC KEYNOTES - INTERIOR

NUMBER	DESCRIPTION

GENERAL NOTES - FURNITURE

1. SEE SHEET ID-200 FOR ALL FURNITURE GENERAL NOTES.

SUPERVISOR PD638 · COMMUNICATIONS PD637 · RECORDS ROOM PD639 · OFFICER QUARTERS PD640 · BREAK ROOM 620 · CFO OFFICE 617 · VILLAGE CLERK 616 · PROJECT MANAGER 614 · CIP MANAGER 613 · PUBLIC WORKS DIRECTOR 611 · CE DIRECTOR 609 · CE SHARED OFFICE 608

CRIMINAL INVESTIGATION SUPERVISOR PD635 · INTERVIEW ROOM #2 PD634 · STORAGE PD636 · CRIMINAL INVESTIGATIONS UNIT PD633 · WEAPONS LOCKERS PD602L · TEMP. EVIDENCE LOCKERS PD605 · MILLWORK · STORAGE ROOM 620.1 · CONTROLLER 619 · FINANCE SHARED OFFICE 618

PATROL/COMMUNITY AFFAIRS PD631 · STORAGE PD632 · LIEUTENANT PD627 · LIEUTENANT PD626 · SERGEANTS DESK FLOOR POWER CONNECTION FOR DESKS · SQUAD ROOM PD625 · BULK STORAGE PD607 · EVIDENCE RM SMALL ITEMS PD606 · INTERVIEW ROOM #1 PD603 · INTERNAL AFFAIRS PD609 · ARMORY PD608 · SUPPLY ROOM 621 · PW ADMIN ASSISTANT 615 · COPY ROOM #1 612 MILLWORK · VILLAGE CLERK & HR FILE ROOM 610 · PM SHARED OFFICE 650 · PRE-FUNCTION 600.1

VESTIBULE PD629 · STORAGE RM PD628 · MEN'S LOCKER PD630 · WOMEN'S LOCKERS PD612 · VESTIBULE PD611 · QUARTER MASTER & STORAGE PD610 · JANITOR PD613 · UNISEX RR PD602 · ELECTRICAL ROOM PD601 · UNISEX RR 625 · UNISEX RR 626 · STAFF UNISEX RR 627 · DIRECTOR OF COMM 632 · EVENT STORAGE 633 · IT TECH 622 · CENTRAL SERVER ROOM 623 · CLERK ASSISTANT 649 · STATE REP. OFFICE 648 · COMMISSIONER ASSISTANT 647 · UNISEX RR 607 · UNISEX RR 606 · RESTROOM VESTIBULE 604 · UNISEX RR 605 · AVIT & STORAGE 602 · LOBBY 600

CONFERENCE ROOM PD615 · COPY ROOM PD616 · SPECIAL EVENTS COORD. 631 · LACTATION ROOM 636 · COPY ROOM #2 635 · CONFERENCE ROOM 637 · COMMISSION 646 · BUILDING MANAGER'S / OFFICE 645 · ELECTRICAL ROOM 643 · COFFEE ALCOVE 642 · CHAMBERS 601

ACCREDITATION OFFICER & PATROL / TRAINING PD623 · ASSISTANT CHIEF #1 PD622 · ASSISTANT CHIEF #2 PD621 · EXECUTIVE ASSISTANT PD614 · DAIS 601.2

MARINE PATROL / TRAFFIC ENFORCEMENT PD620 · CHIEF OF POLICE PD619 · DEPUTY CHIEF PD617 · DEPUTY MANAGER 628 · HR DIRECTOR 629 · CHIEF OF STAFF 630 · VILLAGE MANAGER 634 · COMMISSION 638 · COMMISSION 639 · VICE MAYOR 640 · MAYOR'S OFFICE 641

1 LEVEL 6 - FURNITURE PLAN
1/8" = 1'-0"

4 REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:
1. PLAN REVISION

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LEVEL 6 - FURNITURE PLAN

ID-204

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SPECIFIC KEYNOTES - INTERIOR

NUMBER	DESCRIPTION
ID11	MOP SINK, SEE PLUMBING DRAWINGS FOR DETAILS.
ID12	FURNITURE BY OTHER, SEE FURN. PLANS FOR DETAILS.

GENERAL NOTES - EQUIPMENT

1. EXISTING (EXTG) ELECTRICAL EQUIPMENT & APPLIANCES TO BE INSTALLED BY CONTRACTOR. SOME EXCEPTIONS APPLY, TO BE REVIEWED WITH OWNER.

2. EQUIPMENT SCHEDULE BY OWNER TO BE INSTALLED BY OWNER OR CONTRACTOR.

3. POLICE DEPARTMENT TEMPORARY EVIDENCE ROOM PD505, BASIS OF DESIGN FOR PROPOSED EVIDENCE LOCKER REQUIREMENTS: SEE INTERIOR ELEVATION SHEET A-503/12
   - REFRIGERATED LOCKERS - QTY 6
   - SMALL LOCKERS (JEWELRY, CASH, ETC) - QTY TBD
   - LONG GUN LOCKERS 42" HIGH - QTY 2 MIN.
   - LARGE LOCKERS 30"X30" - QTY 2 MIN.

4. NEW OFFICE EQUIPMENT SUCH AS MONITORS, LAPTOPS, KEYBOARS, ETC., TO BE PROVIDED & INSTALLED BY OWNER. U.N.O.



1 LEVEL 1 - EQUIPMENT PLAN
1/8" = 1'-0"

EQUIPMENT SCHEDULE - LEVEL 1 BY OWNER

TAG	DESCRIPTION	MANUFACTURER	MODEL #	PROVIDED BY	ROOM #
CPR-E	COPIER/PRINTER, FREE STANDING	EXTG	EXTG	OWNER	VARIES
GR	OUTDOOR GAS GRILL	Kalamazoo Outdoor Gourmet	NEW	OWNER	FS105
PR-E	DESKTOP PRINTER	EXTG	EXTG	OWNER	VARIES
REF-E	SMALL REFRIGERATOR	EXTG	EXTG	OWNER	108
TV-O	TV WALL MOUNTED - MEDIUM	NEW	NEW	OWNER	DORM RMS
TVL-O	TV WALL MOUNTED - LARGE	NEW	NEW	OWNER	FS103.1, FS105
ES-E	ENVELOPE SORTER (#14)	EXTG	EXTG	OWNER	105
SCNR	DESKTOP SCANNER	EXTG	EXTG	OWNER	VARIES

EQUIPMENT SCHEDULE - LEVEL 1 BY CONTRACTOR

TAG	DESCRIPTION	MANUFACTURER	MODEL #	PROVIDED BY	ROOM #
	<varies>	<varies>	<varies>		<varies>
BG	BASIS OF DESIGN: BUNKER GEAR SINGLE TIER 20" METAL WALL MOUNT LOCKER W/ DOOR, 3 APPAREL HOOK, MOUNTING BRACKETS, SHELVES, SIDES & BACK GRID, SIZE: 20"W x 20"D x 72"H, GEARHANGER HANGING ROD, COLOR: RED BARON	GEARGRID CORP.	TBD	CONTRACTOR	FS126
BR	BIKE RACK: U-RACK RACK, GALVANIZED STEEL, SURFACE MOUNTED	GRAINGER	TBD	CONTRACTOR	ARCADE
F1	FREEZER, REACH-IN 27" WIDE	BEVERAGE-AIR	FB23HC-1S	CONTRACTOR	FS103.3
F2	REFRIGERATOR, REACH-IN 27" WIDE	BEVERAGE-AIR	RB23HC-1S	CONTRACTOR	FS103.3
F3	REFRIGERATOR, BOTTOM MOUNT, DOUBLE DOORS 52" WIDE	BEVERAGE-AIR	RB49HC-1S	CONTRACTOR	FS103.3
F4	HIGH TEMPERATURE UNDERCUNTER DISHMACHINE	CMA	UC-50e	CONTRACTOR	FS103.3
F10	ICE MAKER	MANITOWOC	IT0750 D-570	CONTRACTOR	FS127
GB24	GRAB BAR 36"	BOBRICK	B-5806 Series	Satin Finish	10.28 13.13
GB48	GRAB BAR 36"	BOBRICK	B-5806 Series	Satin Finish	10 28 13.13
MH	BASIS OF DESIGN: HEAVY DUTY MOBILE HOSE & CYLINDER SYSTEM, TUBE HOSE SHELVES-QTY 6, SCBA CYLINDER SHELF-QTY 6, SIDE & BACK GRID, SIZE: 75"W x 26"D x 82"H, COLOR: RED BARON	GEARGRID CORP.	TBD	CONTRACTOR	FS125
RB	RECYCLING CONTAINER APPROX. 30-GALLONS, MAY INCLUDE LID AND BE RECYLED BLUE COLOR W/ RECYCLE SYMBOL.	TBD	TBD	CONTRACTOR	FS125
RH	Fino Collection Surface Mounted Coat Hook	Bobrick	B-9542		
SD					
SR	<varies>	Bobrick Washroom Equipment, Inc.	<varies>		102813
F5	GARBAGE DISPOSER, LARGE CAPACITY CONTINUOUS FEED (120/1/60)	GE	GFCS20F	CONTRACTOR	FS103.3
F6	GAS RANGE 5 SERIES, NATURAL GAS, 48"W, COLOR: STAINLESS STEEL	VIKING	VGR5488B	CONTRACTOR	FS103.3
F7	ICE MAKER	ICE-O-MATIC	ICEU070	CONTRACTOR	FS103.2
F8	KITCHEN HOOD	CAPTIVEAIRE	5424 ND-2-PSP-F	CONTRACTOR	FS103.2
F9	PREMIUM WATER FILTERS FOR ICE MACHINES ARCTIC PURE PLUS	MANITOWOC		TBD	CONTRACTOR	FS103.2
HK	HOOK, STAINLESS STEEL, SATIN, 2" BASE x 5 1/4"H	GRAINGER	4WMK9	CONTRACTOR	DORM ROOMS
DR	WASHER, TOP LOADING, 3.8 DOE Cu. Ft. CAPACITY	GENERAL ELECTRIC	GTW220ACKWW	CONTRACTOR	FS125
WA	WASHER, TOP LOADING, 3.8 DOE Cu. Ft. CAPACITY	GENERAL ELECTRIC	GTW220ACKWW	CONTRACTOR	FS125

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REGISTERED ARCHITECT
STATE OF FLORIDA

MARCEL R. MORLOTE, R.A.
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LEVEL 1 - EQUIPMENT PLAN

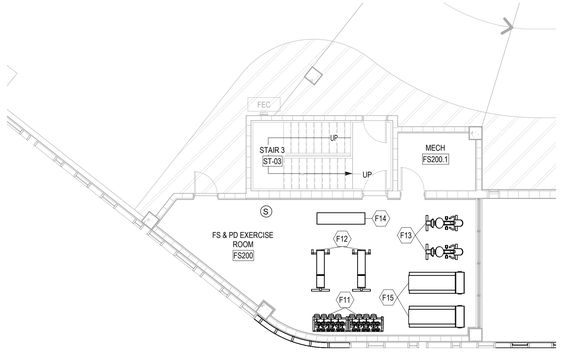
ID-300

SPECIFIC KEYNOTES - INTERIOR

NUMBER	DESCRIPTION

GENERAL NOTES - EQUIPMENT

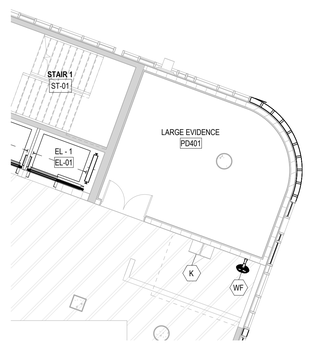
1. SEE SHEET ID-300 FOR ALL EQUIPMENT GENERAL NOTES.



1 LEVEL 2 - EQUIPMENT PLAN
1/8" = 1'-0"



2 LEVEL 3 - EQUIPMENT PLAN
1/8" = 1'-0"



3 LEVEL 4 - EQUIPMENT PLAN
1/8" = 1'-0"

EQUIPMENT SCHEDULE - LEVEL 2 BY CONTRACTOR

TAG	DESCRIPTION	MANUFACTURE	MODEL #	PROVIDED BY	ROOM #
F11	EPIC FREE WEIGHT TWIN TIER DUBBELL RACK	FREEMOTION FITNESS	F209	CONTRACTOR	FS200
F12	ADJUSTABLE BENCH	FREEMOTION FITNESS	EPIC FREE WEIGHT	CONTRACTOR	FS200
F13	RECUMBENT BIKE SMART SERIES	FREEMOTION FITNESS	r10.9B	CONTRACTOR	FS200
F15	REFLEX TREADMILL SMART SERIES T10.9B	FREEMOTION FITNESS	FMTL70718	CONTRACTOR	FS200
F14	ROWING MACHINE	PROMAXIMA	1300 CLUB ROWER	CONTRACTOR	FS200
F16	RUBBER ENCASED HEX DUMBBELLS, 5LB.-50LB. SET -QTY 1	PROMAXIMA	HEXR-SET 1	CONTRACTOR	FS200
F17	BLACK RUBBER BUMPER PLATES, 10LB.-QTY 4, 25LB.-QTY 4, 35LB.-QTY 4, 45LB.-QTY 4	PROMAXIMA	VARIES	CONTRACTOR	FS200
F18A	OLYMPIC POWER CURL BAR - QTY 1	PROMAXIMA	BAROCURL	CONTRACTOR	FS200
F18B	2000 lb CHROME NEEDLE BEARING BAR - QTY 1	PROMAXIMA	BAROLY2000	CONTRACTOR	FS200

EQUIPMENT SCHEDULE - LEVEL 3 BY CONTRACTOR

TAG	DESCRIPTION	MANUFACTURER	MODEL #	PROVIDED BY	ROOM #

EQUIPMENT SCHEDULE - LEVEL 4 BY CONTRACTOR

TAG	DESCRIPTION	MANUFACTURER	MODEL #	PROVIDED BY	ROOM #
WF	WALL FAN	TBD	TBD	CONTRACTOR	PD401
K	DOG KENNEL CAGE	TBD	TBD	CONTRACTOR	PD401

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REGISTERED ARCHITECT
MARCEL R. MORLOTE
LICENSE NO. 9564
INTERIOR DESIGNER

MARCEL R. MORLOTE, R.A.
FL. ARCHITECT
FL. ARCH. REG. NO. 9564
This item has been digitally signed & sealed by Marcel R. Morlote, R.A. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33141

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Project Number
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REV	DESCRIPTION	DATE
1	Plan Review	11/08/24
2	Plan Review	12/20/24

LEVEL 2, 3, 4 - EQUIPMENT PLAN

ID-301

SPECIFIC KEYNOTES - INTERIOR

NUMBER	DESCRIPTION
ID10	BASIS OF DESIGN: PASS-THRU EVIDENCE LOCKERS, BUILT INTO WALL, SEE GENERAL NOTE #3 FOR DETAILS

GENERAL NOTES - EQUIPMENT

1. SEE SHEET ID-300 FOR ALL EQUIPMENT GENERAL NOTES.



1 LEVEL 6 - EQUIPMENT PLAN
1/8" = 1'-0"

EQUIPMENT SCHEDULE - LEVEL 5 BY OWNER

TAG	DESCRIPTION	MANUFACTURER	MODEL #	PROVIDED BY	ROOM #
CM-E	COFFEE MACHINE WITH WATER LINE CONNECTION	EXTG	EXTG	OWNER	520
CP-E	CHECK PRINTER	EXTG	EXTG	OWNER	518
CPR-E	COPIER/PRINTER, FREE STANDING	EXTG	EXTG	OWNER	VARIES
MFR-E	MINI FRIDGE	EXTG	EXTG	OWNER	VARIES
MW-E	MICROWAVE	EXTG	EXTG	OWNER	VARIES
PR-E	DESKTOP PRINTER	EXTG	EXTG	OWNER	VARIES
PRP-E	PAYROLL PRINTER	EXTG	EXTG	OWNER	523
PS-E	PAPER SHREDDER, FREESTANDING	EXTG	EXTG	OWNER	VARIES
PSDH-E	PAPER SHREDDER HEAVY DUTY	EXTG	EXTG	OWNER	535
REF-E	REFRIGERATOR	EXTG	EXTG	OWNER	VARIES
TV-E	EXISTING TV ON MOUNTING BRACKET. REFER TO ELEC. & DATA	EXTG	EXTG	OWNER	VARIES
TVL-E	EXISTING TV WALL MOUNTED	EXTG	EXTG	OWNER	537
WC-E	WATER COOLER	EXTG	EXTG	OWNER	VARIES
RR-E	RADIO RACK, REQUIRES ELECT. CONNECTION	EXTG	EXTG	OWNER	PD525, PD515
KB-E	KEY BOX	EXTG	EXTG	OWNER	PD537
CF-E	HANGING WALL FILE ORGANIZER	EXTG	EXTG	OWNER	PD625

EQUIPMENT SCHEDULE - LEVEL 5 BY CONTRACTOR

TAG	DESCRIPTION	MANUFACTURER	MODEL #	PROVIDED BY	ROOM #
	<varies>	<varies>	<varies>	<varies>	<varies>
CM1	Commercial Coffee Maker	BIMsmith Generics	Commercial Coffee Maker	CONTRACTOR	546
DR	ELECTRIC DRYER, VENTING, 6.2 Cu Ft CAPACITY	GENERAL ELECTRIC	GTX22EASKWW	CONTRACTOR	PD540
GB24	GRAB BAR 36"	BOBRICK	B-5806 Series	Satin Finish	10 28 13.13
GB48	GRAB BAR 36"	BOBRICK	B-5806 Series	Satin Finish	10 28 13.13
LC-1	LOCKERS, SEE SPEC DIVISION 10.51.13	TBD	TBD	CONTRACTOR	PD512, PD530
MS	Mop Service Basin	Zurn Industries, LLC	Z1996-24	CONTRACTOR	
MW	MICROWAVE 24" STAINLESS STEEL BUILT-IN	PANASONIC	2.2 CU. FT. COUNTER TOP	CONTRACTOR	520
REF2	REFRIGERATOR STAINLESS STEEL FRENCH DOORS	LG	25 CU. FT.	CONTRACTOR	VARIES
REFM	REFRIGERATOR, UNDER COUNTER	TBD	TBD	CONTRACTOR	536
RH	Fino Collection Surface Mounted Coat Hook	Bobrick	B-9542		
SR	Bobrick B-207x60 Shower Curtain Rod	Bobrick Washroom Equipment, Inc.	B-207x60		102813
TV-32	TV 32" WALL MOUNTED	TBD	TBD	CONTRACTOR	300
TV-42	TV 42" WALL MOUNTED. REFER TO ELEC. & DATA	TBD	TBD	CONTRACTOR	VARIES
TV-48	TV 48" WALL MOUNTED. REFER TO ELEC. & DATA	TBD	TBD	CONTRACTOR	520
TV-65	TV 65" WALL MOUNTED W/ ARTICULATING SWIVEL. REFER TO ELEC. & DATA	TBD	TBD	CONTRACTOR	501
TV-80	TV 80" WALL MOUNTED. REFER TO ELEC. & DATA	TBD	TBD	CONTRACTOR	500.1
WA	WASHER, TOP LOADING, 3.8 DOE Cu. Ft. CAPACITY	GENERAL ELECTRIC	GTW220ACKWW	CONTRACTOR	PD540
WD	WARMING DRAWER	WHIRLPOOL	KOWT107E	CONTRACTOR	PD525
TC	TASER CHARGERS WALL MOUNTED 10 DOCK	AXON	TASER 10	CONTRACTOR	PD525
GD	GARBAGE DISPOSER, LARGE CAPACITY CONTINUOUS FEED (120/1/60)	GE	GFC520F	CONTRACTOR	520
AC	AIR COMPRESSOR	TBD	TBD	CONTRACTOR	PD508
LG	LOCKER FOR GUNS	TBD	MATCH EXISTING	CONTRACTOR	PD508
LA	LOCKER FOR AMMUNITION	TBD	MATCH EXISTING	CONTRACTOR	PD508
LC-2	BASIS OF DESIGN: PASS-THRU EVIDENCE LOCKERS, BUILT INTO WALL	SPACESAVER	TBD	CONTRACTOR	PD506

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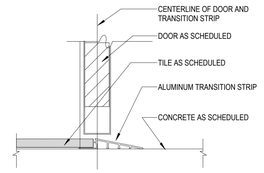
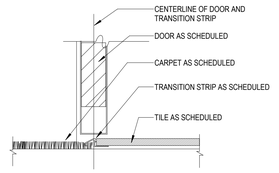
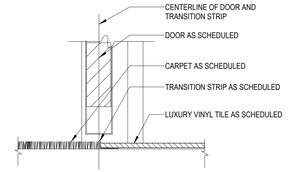


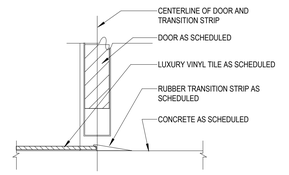
1 TILE TO CONCRETE
3" = 1'-0"



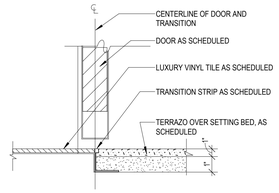
2 CARPET TO TILE
3" = 1'-0"



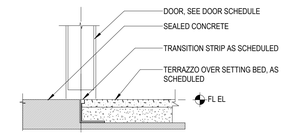
3 CARPET TO LUXURY VINYL TILE
3" = 1'-0"



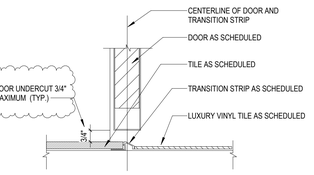
4 LUXURY VINYL TILE TO CONCRETE DETAIL
3" = 1'-0"



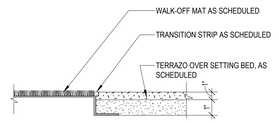
5 LUXURY VINYL TILE TO TERRAZZO
3" = 1'-0"



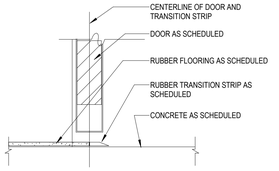
6 CONCRETE TO TERRAZZO
3" = 1'-0"



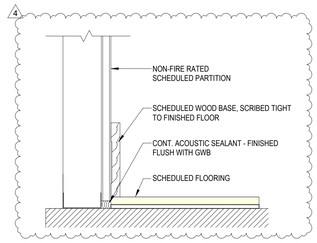
7 TILE TO LUXURY VINYL TILE
3" = 1'-0"



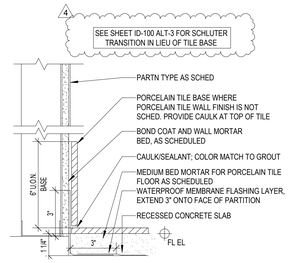
8 TERRAZZO TO WALK-OFF MATT
3" = 1'-0"



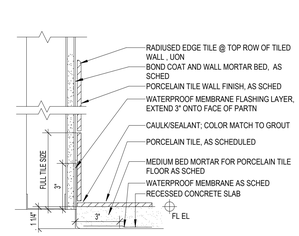
9 RUBBER FLOORING TO CONCRETE
3" = 1'-0"



10 DETAIL - WALL BASE WOOD
3" = 1'-0"



11 TILE BASE DETAIL
3" = 1'-0"



12 TILE BASE WITH WATERPROOFING DETAIL
3" = 1'-0"

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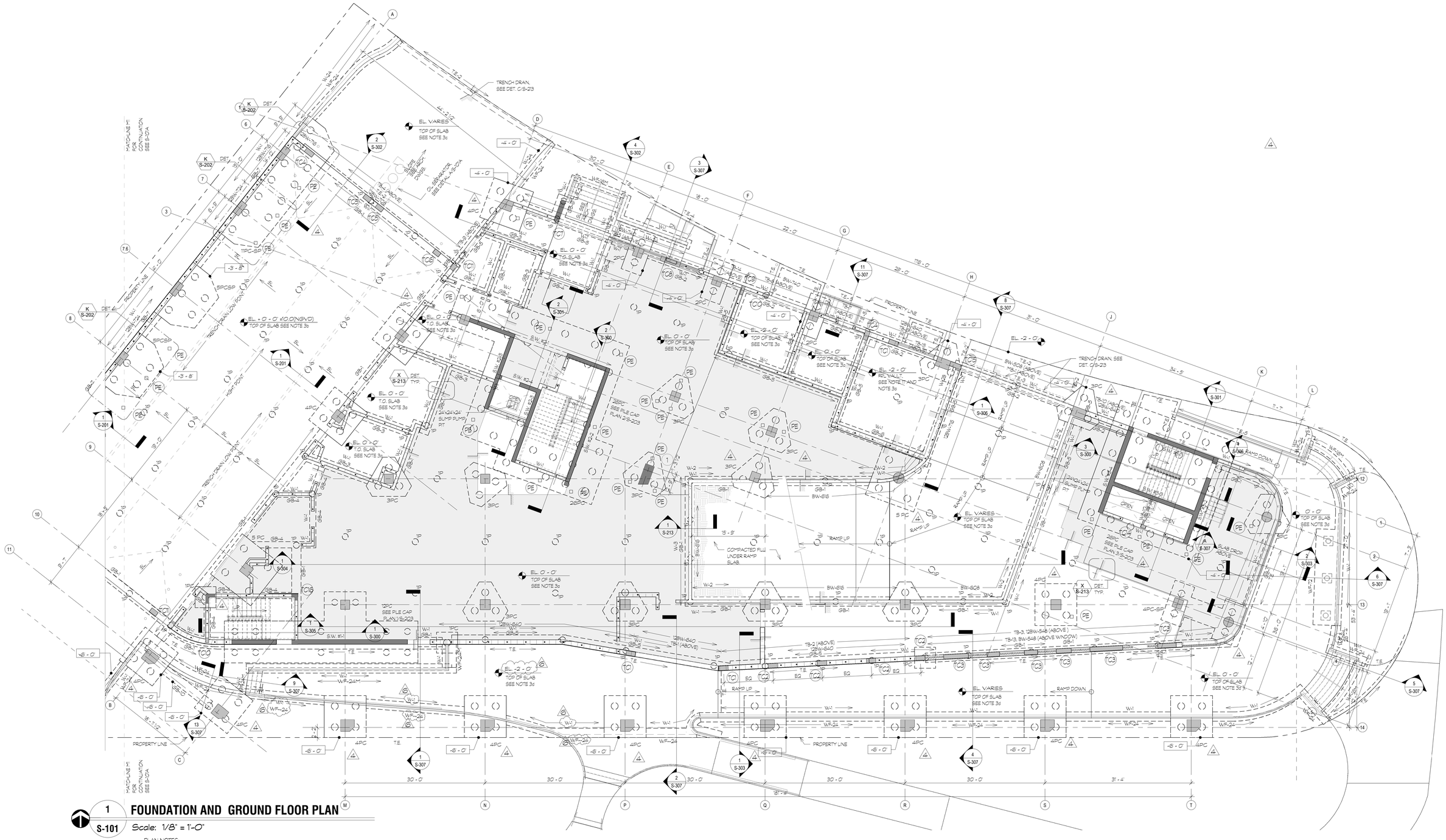

1 FOUNDATION AND GROUND FLOOR PLAN

S-101 Scale: 1/8" = 1'-0"

PLAN NOTES:

1.- TOP OF SLAB ELEVATION =0'-0" (+10'-0" N.G.V.D.) TYPICAL UNLESS OTHERWISE NOTED AS THUS

2.- TOP OF FOOTING ELEVATION = -2'-0" (+8'-0" N.G.V.D.), TYPICAL UNLESS NOTES AS THUS

-TERMITE NOTE:
PROVIDE TERMITE FILL TREATMENT AND CERTIFICATION BY FUMIGATOR IN COMPLIANCE WITH F.B.C.-2020.

- WATER -PROOFING NOTE:
REFER TO ARCHITECTURAL DRAWINGS FOR WATER-PROOFING DETAILS AND REQUIREMENTS. FOR MECHANICAL AND PLUBING

3.- SLAB NOTES:

a) 8" MINIMUM STRUCTURAL CONCRETE SLAB ON 15 MIL VAPOR BARRIER, OVER COMPACTED FILL, SLAB REINFORCED WITH #5@16'o/c TOP EACH WAY AND 5@12'o/c BOTTOM EACH WAY. ALL REINFG TO BE CONTINUOUS (MINIMUM SPLICE LENGTH = 3'-0" FOR #5 BARS, AND 3'-8" FOR #6 BARS). ADD, 5-#5 AT 16'o/c x 6'-0" LONG AT EACH (1P) PILE MONOLITHIC WITH SLAB. HOOK TOP BAR AT DISCONTINUOUS ENDS. LEAVE DOWELS OR PROVIDE FORM SAVERS TO CONNECT SLAB TO COLUMNS & SHEARWALL.
G.C. NOTE SEE PLAN FOR ADDITIONAL REINFORCING

b) 12" STRUCTURAL CONCRETE SLAB ON 15 MIL VAPOR BARRER, OVER COMPACTED FILL, SLAB REINFORCED WITH #6 @10'o/c TOP & BOTTOM EACH WAY. ALL REINFG TO BE CONTINUOUS (MINIMUM SPLICE LENTH = 3'-0" FOR #5 BARS, AND 3'-8" FOR #6 BARS). ADD, 5-#5 AT 10'o/c x 6'-0" LONG AT EACH (1P) PILE MONOLITHIC WITH SLAB. HOOK TOP BAR AT DISCONTINUOUS ENDS. LEAVE DOWELS OR PROVIDE FORM SAVERS TO CONECT SLAB TO COLUMNS & SHEARWALL.
G.C. NOTE SEE PLAN FOR ADDITIONAL REINFORCING

c) 8" CONCRETE SLAB ON 15 MILL VAPOR BARRER OVER WELL COMPACTED STRUCTURAL FILL, REINFORCED WITH 6x6-W2.9 xW2.9 WELDED WIRE FABRIC. PLACE 2" FROM THE TOP, PROVIDE 1" DIA. DOWEL BASKET AT C.J. +1 (SEE DET. A-A/S-214)
REFER TO ARCHITECTURAL DRAWINGS FOR RECESSES OF FLOOR FINISHES.

d) 4" CONCRETE SLAB ON 15 MIL VAPOR BARRIER, OVER WELL COMPACTED FILL, REINFORCED WITH 6x6-W2.0xW2.0 WELDED WIRE FABRIC PLACED 1" FROM THE TOP, SEE DETAIL FOR TYP. CONTROL JOINT AT GROUND FLOOR SLABS.

4.- COORDINATE ALL SLAB OPENING, SLOPES AND DEPRESSIONS WITH ARCHITECTURAL AND OTHER TRADE DRAWINGS.

5.- HOUSEKEEPING PAD:
6" CONC. SLAB REINFORCED WITH 6x6-W2.9 xW2.9 WELDED WIRE FABRIC, POUR ABOVE SLAB (2ND POUR). COORDINATE SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. (WHERE APPLICABLE).

6.- SIDEWALK SLAB NOTED: (WHERE APPLICABLE)

4" CONCRETE SLAB ON COMPACTED FILL REINFORCED WITH 6x6-W1.4 xW1.4 WELDED WIRE FABRIC, TYPICAL UNLESS OTHERWISE NOTED, REFER TO ARCHITECTURAL DRAWINGS FOR LOCATION.

7.- FOR GENERAL STRUCTURAL NOTES, REFER TO SHEETS S-200 TO S-201.

8.- FOR PILE CAP DETAILS REFER SHEET S-202.

9.- FOR SHEAR WALL PILE CAP PLANS, REFER SHEETS S-203 AND S-204.

10.- FOR SHEAR WALLS PLANS AND ELEVATIONS REFER TO SHEETS S-205 TO S-208.

11.- FOR COLUMN SCHEDULE AND COLUMN BAR-ARRANGEMENT REFER TO SHEETS S-209 AND S-210.

12.- FOR GRADE BEAM SCHEDULE, REFER TO SHEET S-211.

13.- FOR CONCRETE WALL SCHEDULE AND BLOCK WALL SCHEDULES, REFER TO SHEET S-211.

14.- T.E. DENOTES AN 12" WIDE x 8" DEEP THICKENED CONCRETE SLAB EDGE REINFORCED WITH 2-#5 BOTTOM CONTINUOUS, TYPICAL AT ALL DISCONTINUOUS SLAB EDGES.

T.E.-2 DENOTES AN 12" WIDE x 12" DEEP THICKENED CONCRETE SLAB EDGE REINFORCED WITH 2-#5 BOTTOM CONTINUOUS, TYPICAL AT ALL DISCONTINUOUS SLAB EDGES.

T.E.-3 SEE DETAIL TRENCH DRAIN
T.E.-4 SEE SECTION 3/S-307
T.E.-5 DEE SECTION 11/S-307

15.- ELEVATOR SHAFT REQUIREMENTS, TYP. U.O.N.

FILL MIN. (4) FOUR CELLS SOLID WITH CONCRETE, AT LOCATION WHERE THE VERTICAL GUIDE RAILS ARE ATTACHED TO THE BLOCK WALL. REINFORCE WITH #6@8'o/c, TYPICAL AT ALL ELEVATORS, (WHERE APPLICABLE).

16.- XXXXX DENOTES 8' REINFORCED MASONRY WALL (NON-BEARING) REINFORING SHALL BE TYPE BW-548 AS SCHEDULE, U.O.N.

XXXXX DENOTES 12' REINFORCED MASONRY WALL (NON-BEARING) REINFORING SHALL BE TYPE 12BW-548 AS SCHEDULE, U.O.N.

PROVIDE 1-#6 AT EACH DOOR JAMB IN FILLED CELLS, TYPICAL AT ALL INTERIOR NON-BEARING (REINFORCED) BLOCK WALLS REINFORCE WITH BW-548 TYPICAL UNLESS OTHERWISE NOTED.

PROVIDE 3-#6 AT EACH DOOR JAMB IN FILLED CELLS WITH NO TIE-COLUMNS TYPICAL AT ALL EXTERIOR NON-BEARING BLOCK WALL.

CONNECT BLOCK WALL TO CONCRETE COLUMN OR SHEARWALL AS PER NOTE #16 ON GENERAL STRUCTURAL NOTES.

17.- TRANSFORMER VAULT REQUIREMENTS:

a) FILL ALL CELLS SOLID WITH CONCRETE, TYP.

b) PROVIDE AN 8" HIGH CONCRETE CURB ALL AROUND PERIMETER OF ROOM, REINFORCE W/ 2-#5 CONT.

c) PROVIDE A 24" x 24" x 12" DEEP SUMP PUMP PIT, REINFORCE WITH WALL TYPE W-1 AROUND AND AT BOTTOM. COORDINATE LOCATION WITH VAULT REQUIREMEN

d) PROVIDE A TYPE W-1 ENCASED DUCT OR DUCTBANK, UNLESS OTHERWISE NOTED.

e) PROVIDE A PULLING EYE CAPABLE OF SUPPORTING 10,000 LBS, ADD ADDITIONAL REINFORING AROUND PULLING EYE AS SHOWN ON PLAN.

18.- F.P.& L. TRANSFORMER PAD NOTE:
6" CONCRETE SLAB REINFORCED W/ #4@12'o/c TOP AND BOTTOM EACH WAY, COORDINATE WITH ARCHITECTURAL SITE PLAN FOR LOCATION

19.- 1P DENOTES (1) 16" DIA. PILE (MONOLITHIC WITH SLAB) SEE DETAIL 6/S-202 , TYP.
SEE PLAN FOR ADDITIONAL REINFORCING, TYP.

20.- DESIGN LOADS:
FIRE STATION TRUCK WHEEL LOAD.
GAWR-FRONT = 24,000 LBF
GAWR-REAR = 60,000 LBF

21.- DENOTE 1 1/2" SLAB RECESS

22.- P.E. DENOTE 12'x12' PILASTER REINF. WITH 8#5 VERT. #3 @12'. EXTEND VERTICAL REIF. INTO SLAB FAR END WITH HOOK AND 16" INTO PILE CAP BELOW

NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARS.

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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10/28/2025 10:00:00 AM

Project Number
2312

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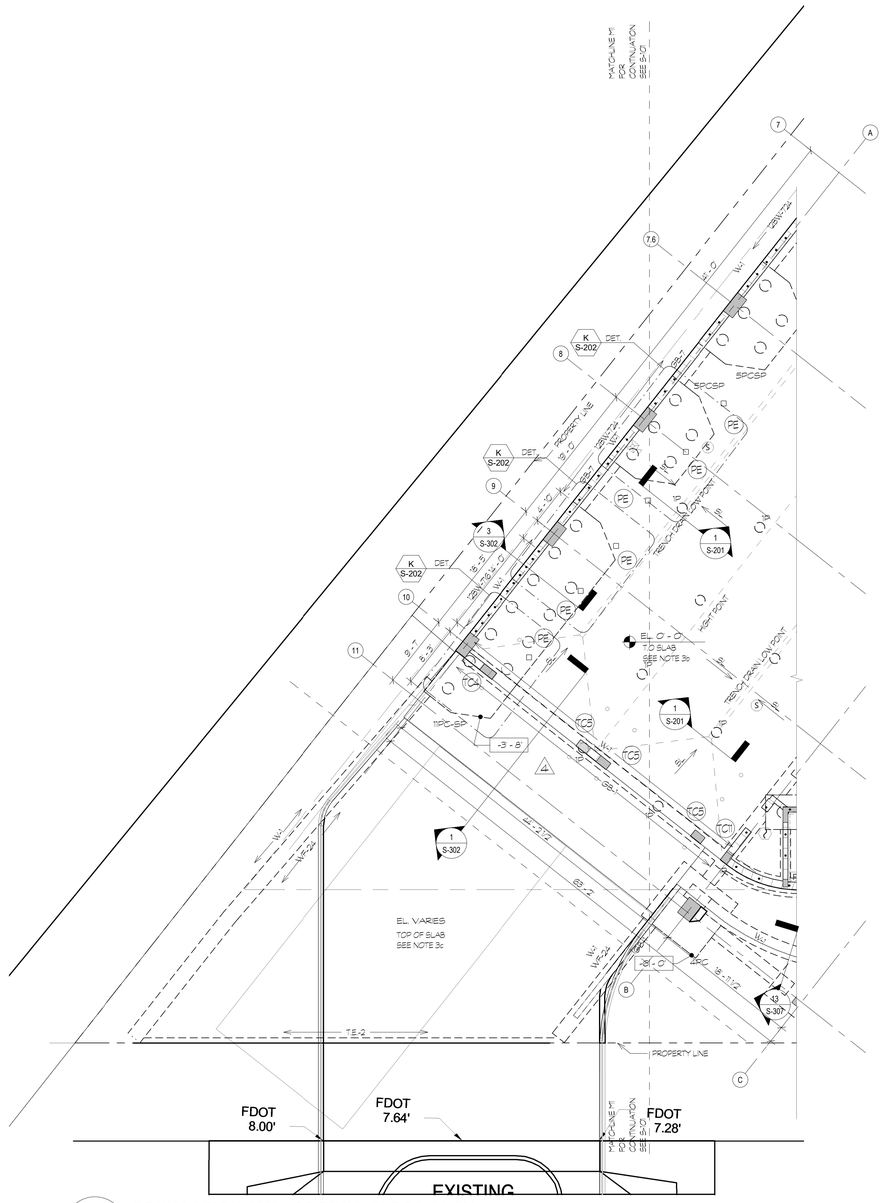
08-01-24

REV	DESCRIPTION	DATE
1	REVISION	11/8/24
2	REVISION	12/20/24
4	PLAN REVIEW	06/30/25
6	Revision 6	10/27/25

FOUNDATION AND GROUND FLOOR PLAN

S-101


MATCH LINE "M" FOR CONTINUATION SEE S-101
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A
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8
K S-202 DET.
9
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11
PROPERTY LINE
SPCSP
PE
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2 PARTIAL CANOPY FRAMING PLAN AT GRID 1

S-102 Scale: 3/16" = 1'-0"

1 SECOND FLOOR FRAMING PLAN

S-102 Scale: 1/8" = 1'-0"

PLAN NOTES:

1.- TOP OF SLAB ELEVATION = + 19'-8", TYPICAL UNLESS OTHERWISE NOTED AS THUS

REFER TO ARCHITECTURAL DRAWINGS FOR RECESSES OF FLOOR FINISHES.

2.- SLAB NOTES:

a) 8" MINIMUM POST-TENSIONED CONCRETE SLAB, SEE PLAN FOR SIZE AND REINFORCING, TYPICAL UNLESS OTHERWISE NOTED AS THUS 'X' P.T. SLAB.

b) PROVIDE #5 AT 12" MINIMUM o/c TOP BARS FOR CANTILEVERS ALL AROUND THE PERIMETER OF THE BUILDING IN ADDITION TO WHAT SHOWN IN PLANS. EXTEND BAR 5'-0" BEYOND INSIDE FACE OF COLUMN.

c) PROVIDE 4#5 TOP AND BOTTOM AROUND OPENINGS IN THE SLAB. EXTEND REBAR 2'-0" BEYOND EACH FACE OF THE OPENING. TYPICAL REINFORCEMENT UNLESS OTHERWISE IS NOTED.

3.- COORDINATE ALL SLAB OPENINGS, SLOPES AND DEPRESSIONS WITH ARCHITECTURAL AND OTHER TRADE DRAWINGS.

4.- FOR GENERAL STRUCTURAL NOTES, REFER TO SHEETS S-200 AND S-201.

5.- FOR SHEAR WALLS PLANS AND ELEVATIONS REFER TO SHEETS S-205 TO S-208.

6.- FOR COLUMN SCHEDULES AND COLUMN BAR-ARRANGEMENT REFER TO SHEETS S-209 AND S-210.

7.- FOR BEAM SCHEDULE, REFER TO SHEET S-211.

8.- FOR CONCRETE WALL SCHEDULE AND BLOCK WALL SCHEDULES, REFER TO SHEET S-211.

9.- FOR TYPICAL DETAILS, REFER TO SHEET S-212 AND S-213

10.- FOR POST-TENSION GENERAL NOTES AND DETAILS, REFER SHEETS S-214 THRU S-219.

11.- DENOTES 8" REINFORCED MASONRY WALL (NON-BEARING). REINFORCING SHALL BE TYPE BW- 548 AS SCHEDULE, U.O.N.

DENOTES 12" REINFORCED MASONRY WALL (NON-BEARING) REINFORCING SHALL BE TYPE 12BW-548 AS SCHEDULE, U.O.N.

PROVIDE 1-#5 AT EACH DOOR JAMB IN FILLED CELLS, TYPICAL AT ALL INTERIOR NON-BEARING (REINFORCED) BLOCK WALLS REINFORCE WITH BW-548 TYPICAL UNLESS NOTED.

12.- HOUSEKEEPING PAD:

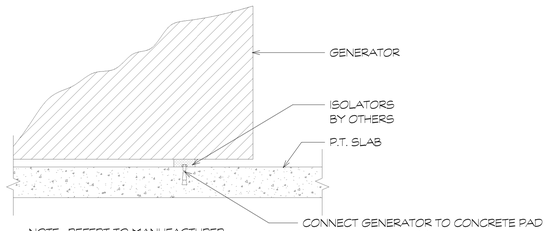
6" CONCRETE SLAB REINFORCED WITH 6x6-W2.9 xW2.9 WELDED WIRE FABRIC. POUR ABOVE SLAB (2ND POUR). COORDINATE SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. TYPICAL UNLESS OTHERWISE NOTED.

13.- ELEVATOR SHAFT REQUIREMENTS: TYP. U.O.N.

FILL MIN. (4) FOUR CELLS SOLID WITH CONCRETE, AT LOCATION WHERE THE VERTICAL GUIDE RAILS ARE ATTACHED TO THE BLOCK WALL. TYPICAL AT ALL ELEVATORS, WHERE APPLICABLE.

14.- SR- DENOTES SHEAR STUDS REINFORCING IN CONCRETE SLAB FOR PUNCHING SHEAR SEE DETAIL A ON SHEET S

15.- PROVIDE GALVANIZED STEEL AND PENETRON ADMIXURE & DCI-S AT ALL BALCONIES AND EXPOSED CONCRETE SLAB.



NOTE: REFERT TO MANUFACTURER INSTRUCTIONS FOR GENERATOR INSTALLATION

TYPICAL GENERATOR CONNECTION DETAIL

A DETAIL
S-102 / SCALE: N.T.S.

NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARS.

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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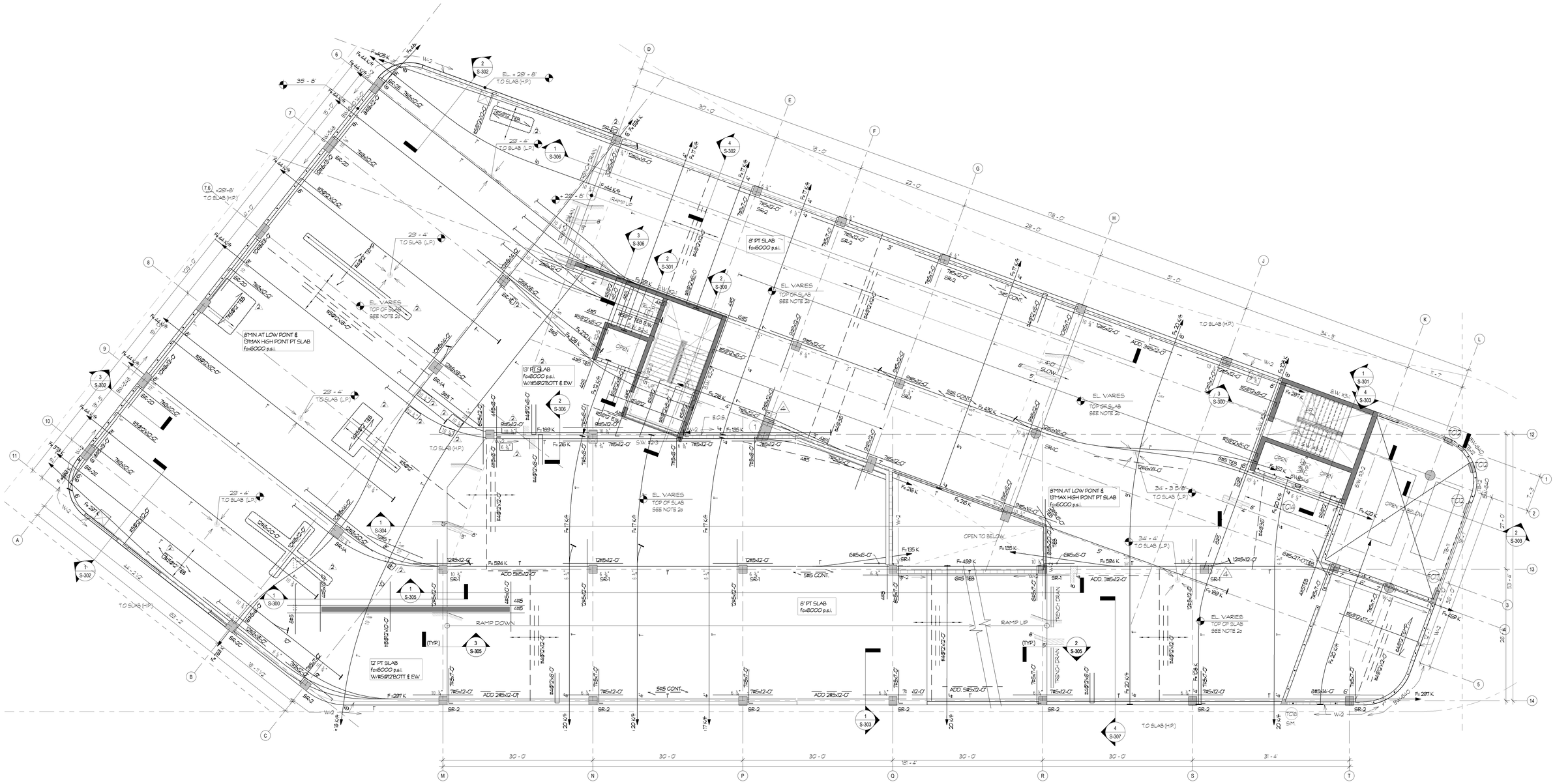
6	Revision 6	10/27/25

SECOND FLOOR FRAMING PLAN

S-102



1 S-103 THIRD FLOOR FRAMING PLAN

Scale: 1/8" = 1'-0"

PLAN NOTES:

1.- TOP OF SLAB ELEVATION = + 29'-8", TYPICAL UNLESS OTHERWISE NOTED AS THUS

REFER TO ARCHITECTURAL DRAWINGS FOR RECESSES OF FLOOR FINISHES.

2.- SLAB NOTES:

a) 8" MINIMUM POST-TENSIONED CONCRETE SLAB, SEE PLAN FOR SIZE AND REINFORCING, TYPICAL UNLESS OTHERWISE NOTED AS THUS (X P.T. SLAB.)

b) PROVIDE #5 AT 12" MINIMUM o/c TOP BARS FOR CANTILEVERS ALL AROUND THE PERIMETER OF THE BUILDING IN ADDITION TO WHAT SHOWN IN PLANS. EXTEND BAR 5'-0" BEYOND INSIDE FACE OF COLUMN.

c) PROVIDE 4#5 TOP AND BOTTOM AROUND OPENINGS IN THE SLAB. EXTEND REBAR 2'-0" BEYOND EACH FACE OF THE OPENING. TYPICAL REINFORCEMENT UNLESS OTHERWISE IS NOTED.

3.- COORDINATE ALL SLAB OPENINGS, SLOPES AND DEPRESSIONS WITH ARCHITECTURAL AND OTHER TRADE DRAWINGS.

4.- FOR GENERAL STRUCTURAL NOTES, REFER TO SHEETS S-200 AND S-201.

5.- FOR SHEAR WALLS PLANS AND ELEVATIONS REFER TO SHEETS S-205 TO S-208.

6.- FOR COLUMN SCHEDULES AND COLUMN BAR-ARRANGEMENT REFER TO SHEETS S-209 AND S-210.

7.- FOR BEAM SCHEDULE, REFER TO SHEET S-211.

8.- FOR CONCRETE WALL SCHEDULE AND BLOCK WALL SCHEDULES, REFER TO SHEET S-211.

9.- FOR TYPICAL DETAILS, REFER TO SHEET S-212 AND S-213

10.- FOR POST-TENSION GENERAL NOTES AND DETAILS, REFER SHEETS S-214 THRU S-219.

11.- DENOTES 8" REINFORCED MASONRY WALL (NON-BEARING); REINFORCING SHALL BE TYPE BW- 548 AS SCHEDULE, U.O.N.

PROVIDE 1-#5 AT EACH DOOR JAMB IN FILLED CELLS. TYPICAL AT ALL INTERIOR NON-BEARING (REINFORCED) BLOCK WALLS REINFORCE WITH BW-548 TYPICAL UNLESS NOTED.

12.- HOUSEKEEPING PAD:

6" CONCRETE SLAB REINFORCED WITH 6x6-W2.9 xW2.9 WELDED WIRE FABRIC. POUR ABOVE SLABS (2ND POUR). COORDINATE SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. TYPICAL UNLESS OTHERWISE NOTED.

13.- ELEVATOR SHAFT REQUIREMENTS: TYP. U.O.N.

FILL MIN. (4) FOUR CELLS SOLID WITH CONCRETE, AT LOCATION WHERE THE VERTICAL GUIDE RAILS ARE ATTACHED TO THE BLOCK WALL. TYPICAL AT ALL ELEVATORS, WHERE APPLICABLE.

14.- SR- DENOTES SHEAR STUDS REINFORCING IN CONCRETE SLAB FOR PUNCHING SHEAR SEE DETAIL A ON SHEET S

15.- PROVIDE GALVANIZED STEEL AND PENETRON ADMIXURE & DCI-S AT ALL BALCONIES AND EXPOSED CONCRETE SLAB.

NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARDS.

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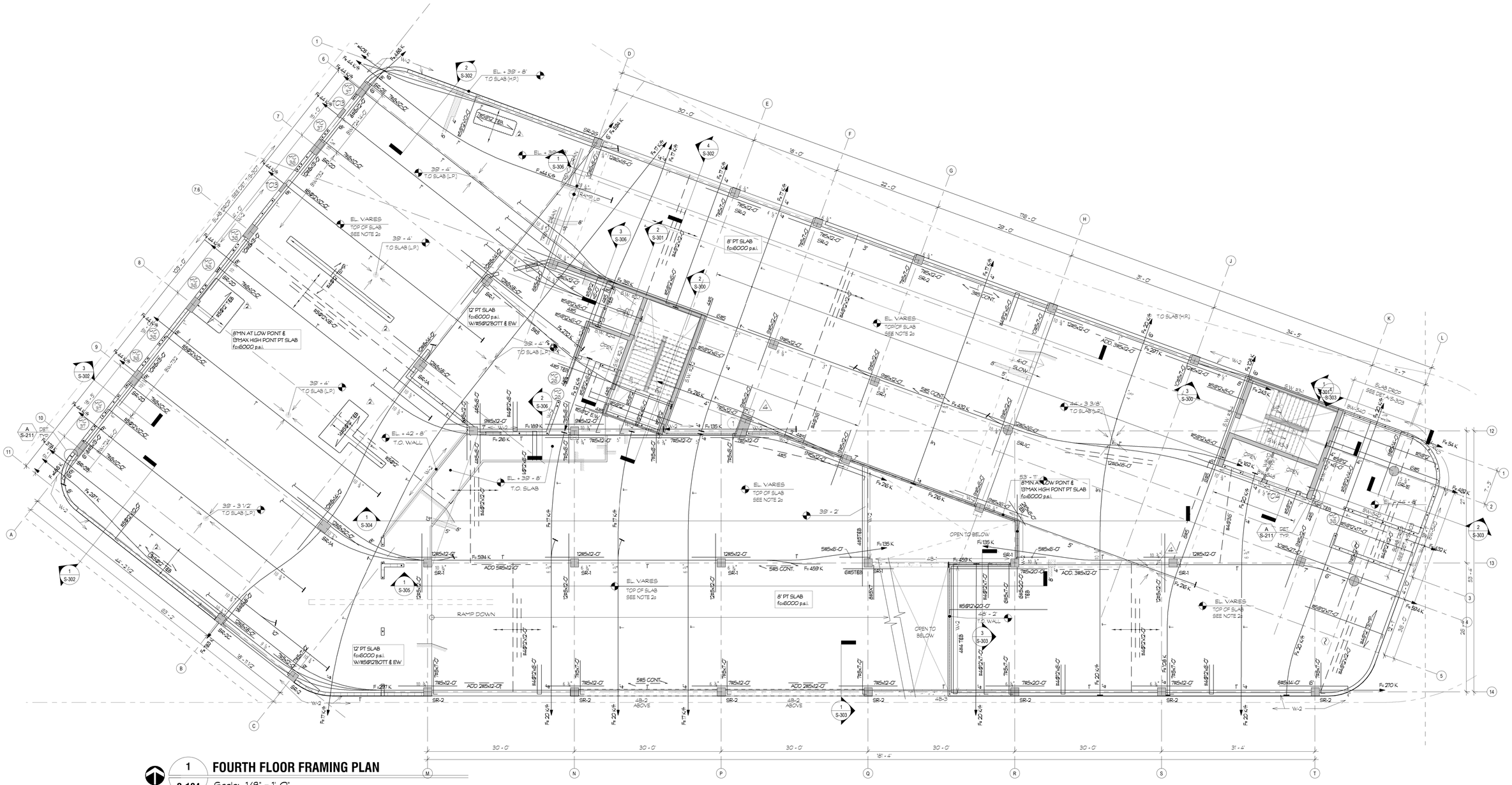
1	REVISION	11/8/24
2	REVISION	12/20/24
4	PLAN REVIEW	06/30/25

THIRD FLOOR FRAMING PLAN

S-103



1 FOURTH FLOOR FRAMING PLAN

S-104 Scale: 1/8" = 1'-0"

PLAN NOTES:

1.- TOP OF SLAB ELEVATION = + 39'-8", TYPICAL UNLESS OTHERWISE NOTED AS THUS

REFER TO ARCHITECTURAL DRAWINGS FOR RECESSES OF FLOOR FINISHES.

2.- SLAB NOTES:

a) 8" MINIMUM POST-TENSIONED CONCRETE SLAB, SEE PLAN FOR SIZE AND REINFORCING, TYPICAL UNLESS OTHERWISE NOTED AS THUS 'X' P.T. SLAB.

b) PROVIDE #5 AT 12" MINIMUM o/c TOP BARS FOR CANTILEVERS ALL AROUND THE PERIMETER OF THE BUILDING IN ADDITION TO WHAT SHOWN IN PLANS. EXTEND BAR 5'-0" BEYOND INSIDE FACE OF COLUMN.

c) PROVIDE #15 TOP AND BOTTOM AROUND OPENINGS IN THE SLAB. EXTEND REBAR 2'-0" BEYOND EACH FACE OF THE OPENING. TYPICAL REINFORCEMENT UNLESS OTHERWISE IS NOTED.

3.- COORDINATE ALL SLAB OPENINGS, SLOPES AND DEPRESSIONS WITH ARCHITECTURAL AND OTHER TRADE DRAWINGS.

4.- FOR GENERAL STRUCTURAL NOTES, REFER TO SHEETS S-200 AND S-201.

5.- FOR SHEAR WALLS PLANS AND ELEVATIONS REFER TO SHEETS S-205 TO S-208.

6.- FOR COLUMN SCHEDULES AND COLUMN BAR-ARRANGEMENT REFER TO SHEETS S-209 AND S-210.

7.- FOR BEAM SCHEDULE, REFER TO SHEET S-211.

8.- FOR CONCRETE WALL SCHEDULE AND BLOCK WALL SCHEDULES, REFER TO SHEET S-211.

9.- FOR TYPICAL DETAILS, REFER TO SHEET S-212 AND S-213.

10.- FOR POST-TENSION GENERAL NOTES AND DETAILS, REFER SHEETS S-214 THRU S-219.

11.- DENOTES 8" REINFORCED MASONRY WALL (NON-BEARING). REINFORCING SHALL BE TYPE BW- 640 AS SCHEDULE, U.O.N.

PROVIDE 1-#5 AT EACH DOOR JAMB IN FILLED CELLS, TYPICAL AT ALL INTERIOR NON-BEARING (REINFORCED) BLOCK WALLS REINFORCE WITH BW-548 TYPICAL UNLESS NOTED.

12.- HOUSEKEEPING PAD:

6" CONCRETE SLAB REINFORCED WITH 6x6-W2.9 xW2.9 WELDED WIRE FABRIC, POUR ABOVE SLAB (2ND POUR). COORDINATE SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. TYPICAL UNLESS OTHERWISE NOTED.

13.- ELEVATOR SHAFT REQUIREMENTS: TYP. U.O.N.

FILL MIN. (4) FOUR CELLS SOLID WITH CONCRETE, AT LOCATION WHERE THE VERTICAL GUIDE RAILS ARE ATTACHED TO THE BLOCK WALL. TYPICAL AT ALL ELEVATORS, WHERE APPLICABLE.

14.- SR- DENOTES SHEAR STUDS REINFORING IN CONCRETE SLAB FOR PUNCHING SHEAR SEE DETAIL A ON SHEET S

15.- PROVIDE GALVANIZED STEEL AND PENETRON ADMIXURE & DCI-S AT ALL BALCONIES AND EXPOSED CONCRETE SLAB.

NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARS.

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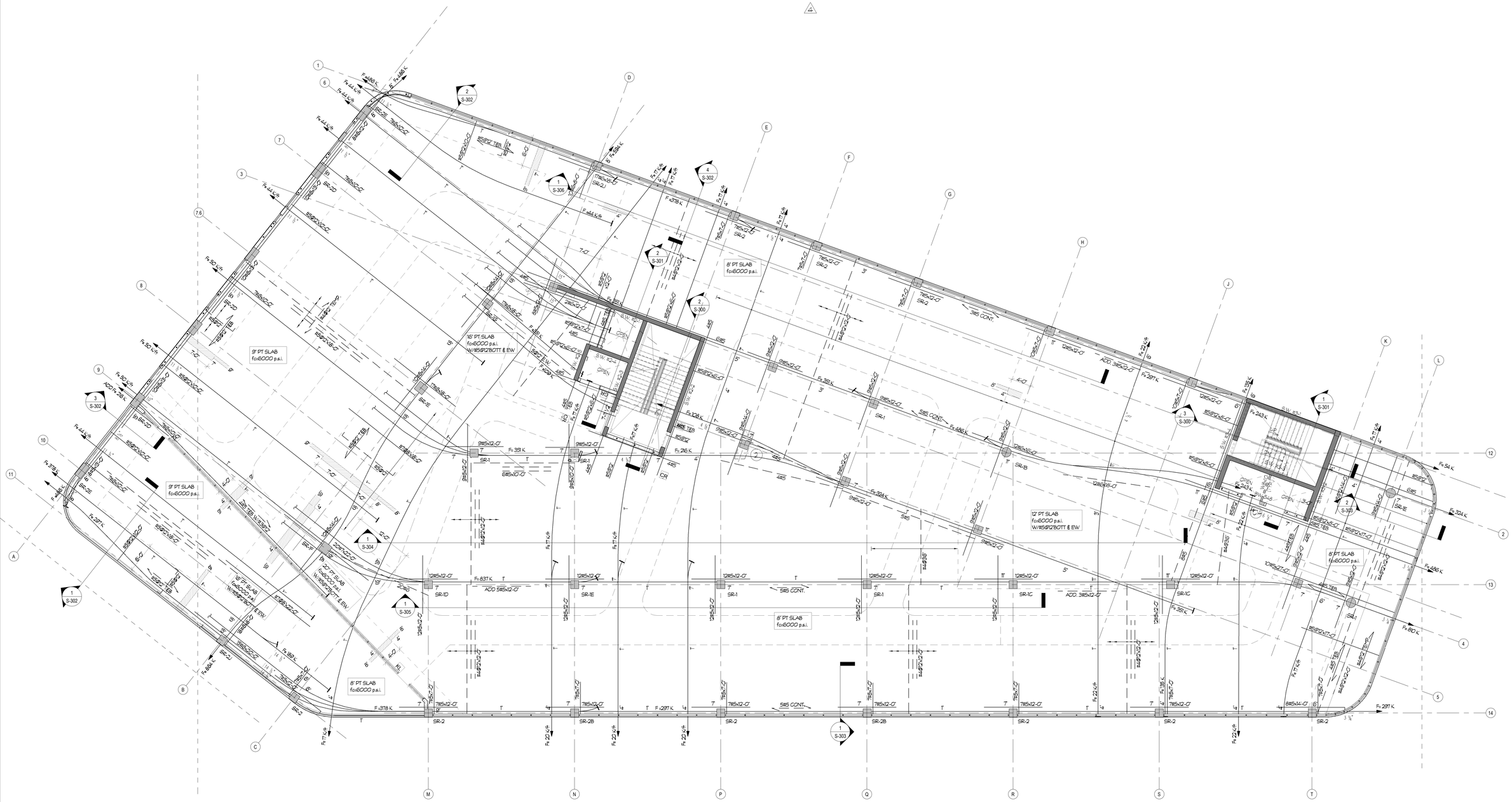
FOURTH FLOOR FRAMING PLAN

S-104



1 FIFTH FLOOR FRAMING PLAN

S-105 Scale: 1/8" = 1'-0"

PLAN NOTES:

1.- TOP OF SLAB ELEVATION = + 54'-8", TYPICAL UNLESS OTHERWISE NOTED AS THUS

REFER TO ARCHITECTURAL DRAWINGS FOR RECESSES OF FLOOR FINISHES.

2.- SLAB NOTES:

a) 8" MINIMUM POST-TENSIONED CONCRETE SLAB, SEE PLAN FOR SIZE AND REINFORCING, TYPICAL UNLESS OTHERWISE NOTED AS THUS "X" P.T. SLAB.

b) PROVIDE #5 AT 12" MINIMUM o/c TOP BARS FOR CANTILEVERS ALL AROUND THE PERIMETER OF THE BUILDING IN ADDITION TO WHAT SHOWN IN PLANS. EXTEND BAR 5'-0" BEYOND INSIDE FACE OF COLUMN.

c) PROVIDE 4#5 TOP AND BOTTOM AROUND OPENINGS IN THE SLAB. EXTEND REBAR 2'-0" BEYOND EACH FACE OF THE OPENING. TYPICAL REINFORCEMENT UNLESS OTHERWISE IS NOTED.

3.- COORDINATE ALL SLAB OPENINGS, SLOPES AND DEPRESSIONS WITH ARCHITECTURAL AND OTHER TRADE DRAWINGS.

4.- FOR GENERAL STRUCTURAL NOTES, REFER TO SHEETS S-200 AND S-201.

5.- FOR SHEAR WALLS PLANS AND ELEVATIONS REFER TO SHEETS S-205 TO S-208.

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7- FOR BEAM SCHEDULE, REFER TO SHEET S-211.

8.- FOR CONCRETE WALL SCHEDULE AND BLOCK WALL SCHEDULES, REFER TO SHEET S-211.

9.- FOR TYPICAL DETAILS, REFER TO SHEET S-212 AND S-213.

10.- FOR POST-TENSION GENERAL NOTES AND DETAILS, REFER SHEETS S-214 THRU S-219.

11- DENOTES 8" REINFORCED MASONRY WALL (NON-BEARING). REINFORCING SHALL BE TYPE BW- 548 AS SCHEDULE, U.O.N.

PROVIDE 1-#5 AT EACH DOOR JAMB IN FILLED CELLS, TYPICAL AT ALL INTERIOR NON-BEARING (REINFORCED) BLOCK WALLS REINFORCE WITH BW-548 TYPICAL UNLESS NOTED.

12.- HOUSEKEEPING PAD:

6" CONCRETE SLAB REINFORCED WITH 6X6-W2.9 xW2.9 WELDED WIRE FABRIC. POUR ABOVE SLAB (2ND POUR). COORDINATE SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. TYPICAL UNLESS OTHERWISE NOTED.

13.- ELEVATOR SHAFT REQUIREMENTS; TYP. U.O.N.

FILL MIN. (4) FOUR CELLS SOLID WITH CONCRETE, AT LOCATION WHERE THE VERTICAL GUIDE RAILS ARE ATTACHED TO THE BLOCK WALL. TYPICAL AT ALL ELEVATORS, WHERE APPLICABLE.

14.- SR- DENOTES SHEAR STUDS REINFORCING IN CONCRETE SLAB FOR PUNCHING SHEAR SEE DETAIL A ON SHEET S

15.- PROVIDE GALVANIZED STEEL AND PENETRON ADMIXURE & DOWS AT ALL BALCONIES AND EXPOSED CONCRETE SLAB.

16.- DENOTE 1 1/2" SLAB RECESS

17.- DENOTE 3 1/2" SLAB RECESS

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA, 33140

10/28/2025 10:01:45 AM

Project Number
2312

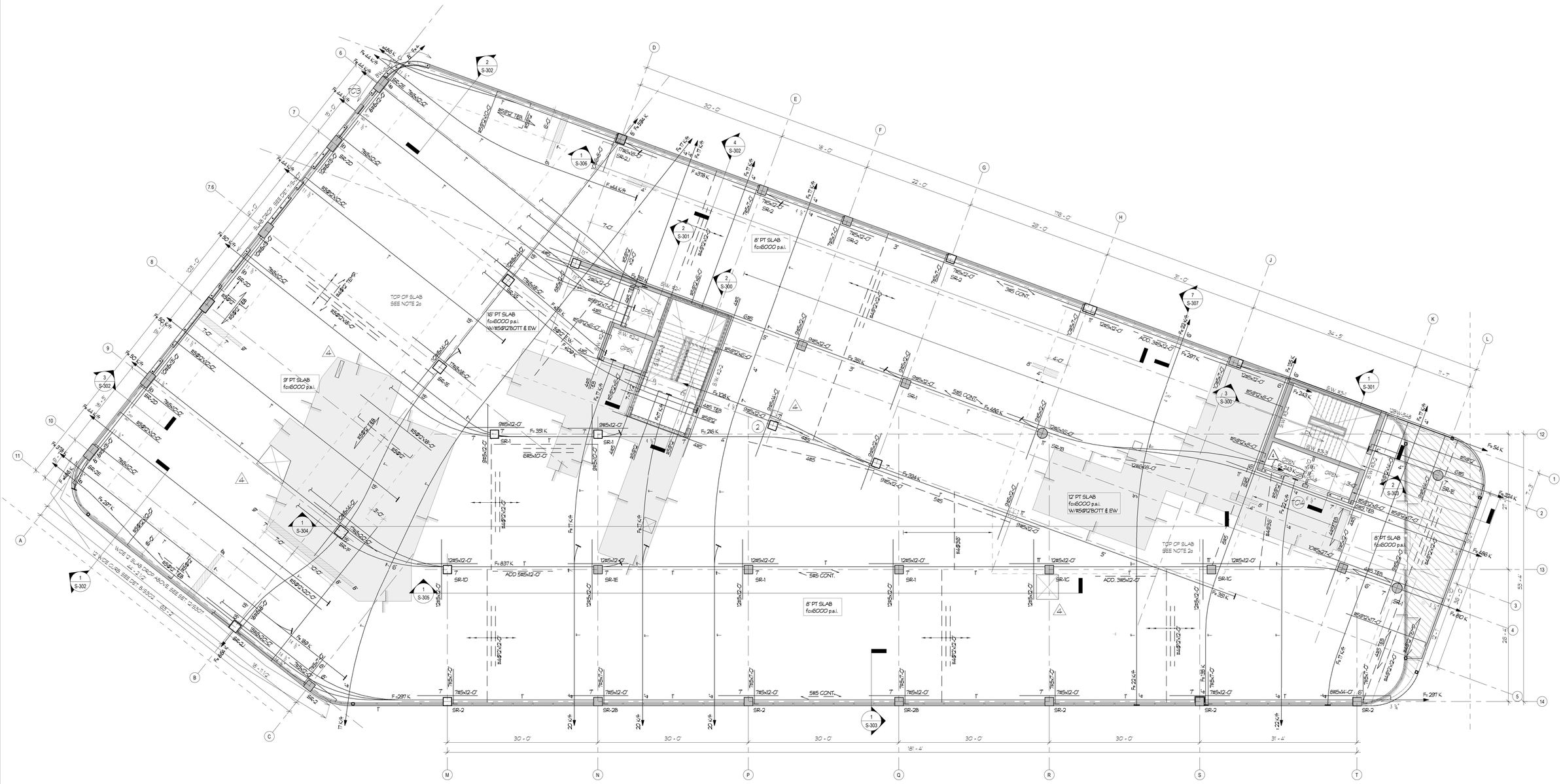
DISTRIBUTION

08-01-24

REV	DESCRIPTION	DATE
4	PLAN REVIEW	06/30/25

FIFTH FLOOR FRAMING PLAN

S-105



1 SIXTH FLOOR FRAMING PLAN

S-106 Scale: 1/8" = 1'-0"

PLAN NOTES:

1.- TOP OF SLAB ELEVATION = + 67'-8", TYPICAL UNLESS OTHERWISE NOTED AS THUS

REFER TO ARCHITECTURAL DRAWINGS FOR RECESSES OF FLOOR FINISHES.

2.- SLAB NOTES:

a) 8" MINIMUM POST-TENSIONED CONCRETE SLAB, SEE PLAN FOR SIZE AND REINFORCING, TYPICAL UNLESS OTHERWISE NOTED AS THUS X P.T. SLAB.

b) PROVIDE #5 AT 12" MINIMUM c/c TOP BARS FOR CANTILEVERS ALL AROUND THE PERIMETER OF THE BUILDING IN ADDITION TO WHAT SHOWN IN PLANS, EXTEND BAR 5'-0" BEYOND INSIDE FACE OF COLUMN.

c) PROVIDE 4#5 TOP AND BOTTOM AROUND OPENINGS IN THE SLAB, EXTEND REBAR 2'-0" BEYOND EACH FACE OF THE OPENING, TYPICAL REINFORCEMENT UNLESS OTHERWISE IS NOTED.

3.- COORDINATE ALL SLAB OPENINGS, SLOPES AND DEPRESSIONS WITH ARCHITECTURAL AND OTHER TRADE DRAWINGS.

4.- FOR GENERAL STRUCTURAL NOTES, REFER TO SHEETS S-200 AND S-201.

5.- FOR SHEAR WALLS PLANS AND ELEVATIONS REFER TO SHEETS S-205 TO S-208.

6.- FOR COLUMN SCHEDULES AND COLUMN BAR-ARRANGEMENT REFER TO SHEETS S-209 AND S-210.

7.- FOR BEAM SCHEDULE, REFER TO SHEET S-211.

8.- FOR CONCRETE WALL SCHEDULE AND BLOCK WALL SCHEDULES, REFER TO SHEET S-211.

9.- FOR TYPICAL DETAILS, REFER TO SHEET S-212 AND S-213.

10.- FOR POST-TENSION GENERAL NOTES AND DETAILS, REFER SHEETS S-214 THRU S-219.

11.- DENOTES 8" REINFORCED MASONRY WALL (NON-BEARING). REINFORCING SHALL BE TYPE BW- 548 AS SCHEDULE, U.O.N.

PROVIDE 1-#5 AT EACH DOOR JAMB IN FILLED CELLS, TYPICAL AT ALL INTERIOR NON-BEARING (REINFORCED) BLOCK WALLS REINFORCE WITH BW-548 TYPICAL UNLESS NOTED.

12.- HOUSEKEEPING PAD:

6" CONCRETE SLAB REINFORCED WITH 6x6-W2.9 xW2.9 WELDED WIRE FABRIC. POUR ABOVE SLAB (2ND POUR). COORDINATE SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. TYPICAL UNLESS OTHERWISE NOTED.

13.- ELEVATOR SHAFT REQUIREMENTS: TYP. U.O.N.

FILL MIN. (4) FOUR CELLS SOLID WITH CONCRETE, AT LOCATION WHERE THE VERTICAL GUIDE RAILS ARE ATTACHED TO THE BLOCK WALL TYPICAL AT ALL ELEVATORS, WHERE APPLICABLE.

14.- SR- DENOTES SHEAR STUDS REINFORCING IN CONCRETE SLAB FOR PUNCHING SHEAR SEE DETAIL A ON SHEET S

15.- PROVIDE GALVANIZED STEEL AND PENETRON ADMIXURE & DCI-S AT ALL BALCONIES AND EXPOSED CONCRETE SLAB.

16.- DENOTE 1 1/2" SLAB RECESS

17.- DENOTE 3 1/2" SLAB RECESS

NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARDS.

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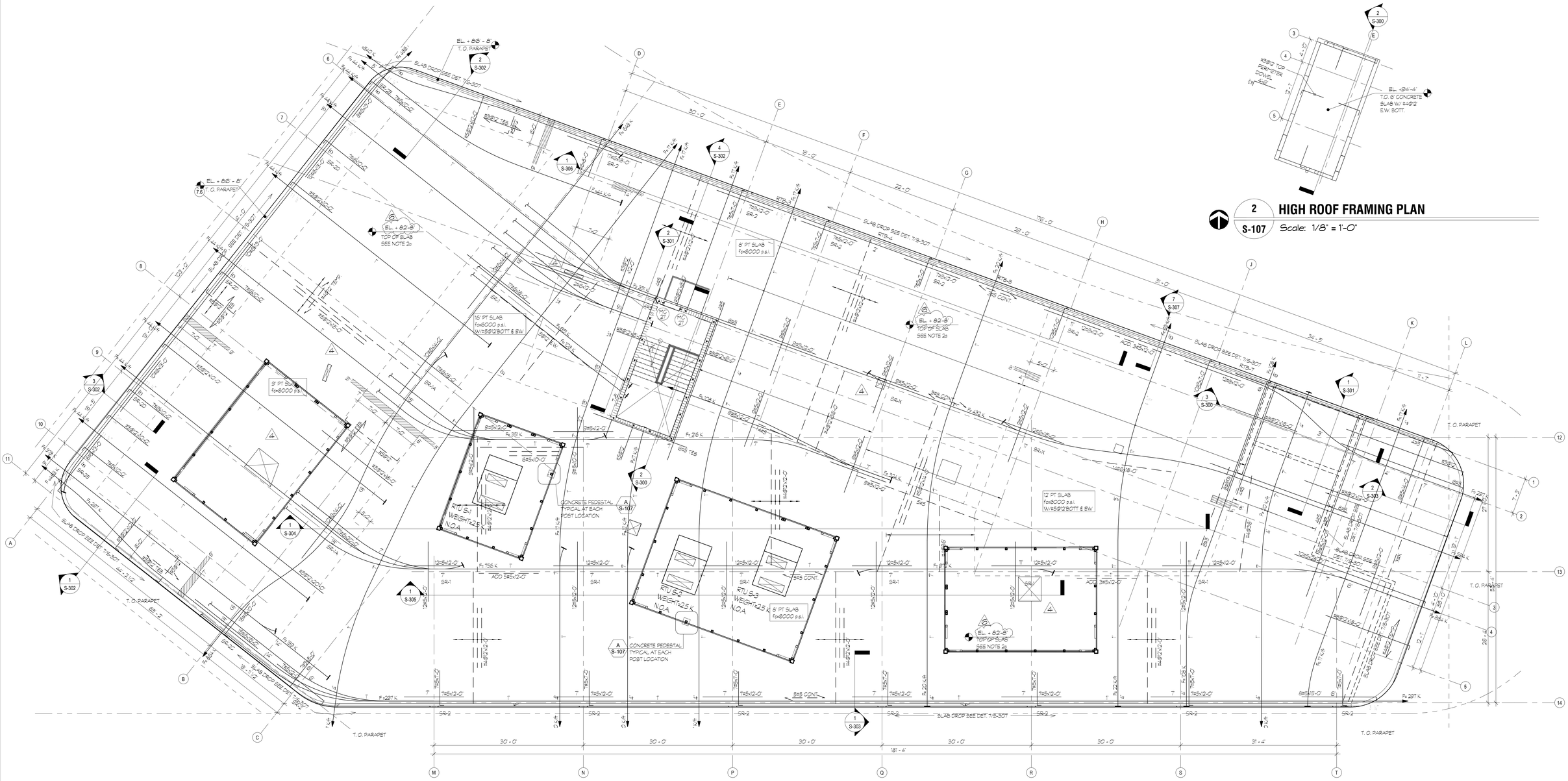
REV	DESCRIPTION	DATE
1	REVISION	11/8/24
4	PLAN REVIEW	06/30/25

SIXTH FLOOR FRAMING PLAN

S-106 4

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



1 ROOF FRAMING PLAN

S-107 Scale: 1/8" = 1'-0"

2 HIGH ROOF FRAMING PLAN

S-107 Scale: 1/8" = 1'-0"

PLAN NOTES:

1.- TOP OF SLAB ELEVATION = + 82-8", TYPICAL UNLESS OTHERWISE NOTED AS THUS

REFER TO ARCHITECTURAL DRAWINGS FOR RECESSES OF FLOOR FINISHES.

2.- SLAB NOTES:

a) 8" MINIMUM POST-TENSIONED CONCRETE SLAB, SEE PLAN FOR SIZE AND REINFORCING, TYPICAL UNLESS OTHERWISE NOTED AS THUS X P.T. SLAB.

b) PROVIDE #5 AT 12" MINIMUM c/c TOP BARS FOR CANTILEVERS ALL AROUND THE PERIMETER OF THE BUILDING IN ADDITION TO WHAT SHOWN IN PLANS. EXTEND BAR 5'-0" BEYOND INSIDE FACE OF COLUMN.

c) PROVIDE 4#5 TOP AND BOTTOM AROUND OPENINGS IN THE SLAB. EXTEND REBAR 2'-0" BEYOND EACH FACE OF THE OPENING. TYPICAL REINFORCEMENT UNLESS OTHERWISE IS NOTED.

3.- COORDINATE ALL SLAB OPENINGS, SLOPES AND DEPRESSIONS WITH ARCHITECTURAL AND OTHER TRADE DRAWINGS.

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8.- FOR CONCRETE WALL SCHEDULE AND BLOCK WALL SCHEDULES, REFER TO SHEET S-211.

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10.- FOR POST-TENSION GENERAL NOTES AND DETAILS, REFER SHEETS S-214 THRU S-219.

11.- DENOTES 8" REINFORCED MASONRY WALL (LOAD-BEARING), REINFORCING SHALL BE TYPE BW- 6\16 AS SCHEDULE, U.O.N.

12.- HOUSEKEEPING PAD:

6" CONCRETE SLAB REINFORCED WITH 6x6-W2.9 xW2.9 WELDED WIRE FABRIC. POUR ABOVE SLAB (2ND POUR). COORDINATE SIZE AND LOCATION WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. TYPICAL UNLESS OTHERWISE NOTED.

13.- ELEVATOR SHAFT REQUIREMENTS; TYP. U.O.N.

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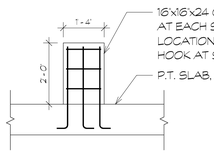
15.- PROVIDE GALVANIZED STEEL AND PENETRON ADMIXURE & DCI-S AT ALL BALCONIES AND EXPOSED CONCRETE SLAB.



A DETAIL

S-107 SCALE: 1/2" = 1'-0"

NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARDS.

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CLIENT: NORTH BAY VILLAGE

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1	REVISION	11/8/24
4	PLAN REVIEW	06/30/25
6	Revision 6	10/27/25

ROOF FRAMING PLAN

S-107 4

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

GENERAL STRUCTURAL NOTES:

1. GENERAL:
STRUCTURAL SYSTEM FOR THE BUILDING HAS BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 2023 8th EDITION.
TO THE BEST OF WAY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BULDING CODE AND STANDARS.
CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL EXISTING CONDITIONS, INCLUDING DIMENSIONS, PERTAINING TO THE PROJECT AND FOR PROVIDING AN IMMEDIATE NOTIFICATION TO THE ARCHITECT/ENGINEER OF ANY DISCREPANCIES FOUND BETWEEN THOSE AND THE INFORMATION PRESENTED WITHIN THE DRAWINGS. THE STRUCTURE WAS DESIGNED TO BE SELF-SUPPORTING AND STABLE FOLLOWING INSTALLATION OF ALL COMPONENTS AS INDICATED ON THE DRAWINGS. IT SHALL BE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE METHOD AND SEQUENCE OF ERECTION PROCEDURES (NCLUDING IMPLEMENTATION OF TEMPORARY SHORING, BRACING, ETC.) AND TO ENSURE SAFETY THROUGHOUT THE PERIOD OF CONSTRUCTION. THE CONTRACTOR SHALL USE STRUCTURAL DRAWINGS IN CONJUNCTION WITH ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS TO COORDINATE LOCATION OF DEPRESSED SLABS, SLOPES, DRANS, OUTLETS, RECESSES, OPENINGS, REGLETS, BOLT SETTINGS, SLEEVES, DIMENSIONS, ETC. DRAWINGS SHALL NOT BE SCALED.
DISCREPANCIES BETWEEN INFORMATION PRESENTED WITHIN PROJECT SPECIFICATIONS AND THAT WITHIN STRUCTURAL NOTES ON PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BY THE CONTRACTOR PRIOR TO PRESENTING HIS OR HER BID. IF SUCH A DISCREPANCY IS DISCOVERED SUBSEQUENT TO BIDDING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE OPTION SUBSEQUENTLY SELECTED BY THE ENGINEER AT NO ADDITIONAL COST.
CONTRACTOR SHALL BE RESPONSIBLE FOR FINAL VERIFICATION OF ALL DIMENSIONS, ELEVATIONS, CLEARANCES, ETC. OF THE FRAMING SHOWN ON THE STRUCTURAL DRAWINGS AGAINST INFORMATION PROVIDED BY MANUFACTURERS OF SELECTED MECHANICAL EQUIPMENT PRIOR TO PROCEEDING WITH ANY RELATED PORTION OF WORK. ITEMS REQUIRING SUCH REVIEW SHALL NCLUDE ELEVATORS (ELEVATOR PITS, BEAMS ABOVE ELEVATOR DOORS, ETC.), ESCALATORS, DUCTS, COOLING TOWERS, ETC. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY REMEDIAL WORK AND FOR ITS IMPACT ON WORK SCHEDULE RESULTING FROM FAILURE TO PROVIDE EARLY NOTIFICATION OF SUCH CONFLICTS TO THE DESIGN TEAM.
POTENTIAL CONFLICTS, ERRORS OR OMISSION PRESENT WITHIN THE DRAWINGS (WHETHER WITHIN STRUCTURAL DRAWINGS OR BETWEEN STRUCTURAL, ARCHITECTURAL AND M.E.P. DRAWINGS) SHALL BE IDENTIFIED BY THE CONTRACTOR DURING HIS/HER EARLY REVIEW OF THE PROJECT DOCUMENTS. SUCH CONFLICTS, ERRORS OR OMISSIONS SHALL BE COMMUNICATED TO THE ARCHITECT IN WRITING PRIOR TO COMMENCEMENT OF WORK. IN THE EVENT OF FAILURE TO PROVIDE SUCH A NOTICE AND SUFFICIENT TIME FOR A RESPONSE, THE CONTRACTOR SHALL BECOME RESPONSIBLE FOR COST OF ALL WORK OR REMEDIAL WORK RESULTING FROM SUCH CONFLICTS, ERRORS OR OMISSIONS, AS WELL AS FOR ITS IMPACT ON THE PROJECT SCHEDULE. CONTRACTOR AGREES TO HOLD THE OWNER, ARCHITECT, ENGINEER, AND/OR ANY OF THEIR EMPLOYEES OR AGENTS, HARMLESS FROM ANY AND ALL DAMAGE AND CLAIMS WHICH MAY ARISE BY A REASON OF ANY NEGLIGENCE ON THE PART OF THE CONTRACTOR, OR ANY OF HIS SUBCONTRACTORS, OR ANY MATERIAL AND EQUIPMENT SUPPLIERS, AND/OR ANY OF THEIR EMPLOYEES OR AGENTS, IN THE PERFORMANCE OF THIS CONTRACT. IN CASE ANY ACTION IS BROUGHT AGAINST THE OWNER, OR ARCHITECT, OR ENGINEER, OR ANY OF THEIR EMPLOYEES OR AGENTS, CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR DEFENSE THEREOF, TO THE FULL SATISFACTION OF THE LATTER PARTY.

2. DESIGN LOADS:
THE FOLLOWING SUPERIMPOSED LOADS WERE USED.

GROUND FLOOR:	DEAD LOAD = 25 PSF	PUBLIC TERRACES:	DEAD LOAD = 20 PSF
			LIVE LOAD = 100 PSF
RETAIL	LIVE LOAD = 100 PSF		
		STAIRS:	LIVE LOAD = 100 PSF
OFFICE FLOOR:	DEAD LOAD = 30 PSF	LOADING DOCK:	LIVE LOAD = 250 PSF
	LIVE LOAD = 50 PSF		
		ROOF:	DEAD LOAD = 30 PSF
CORRIDOR:	DEAD LOAD = 20 PSF		LIVE LOAD = 30 PSF
	LIVE LOAD = 80 PSF		
		MECHANICAL	DEAD LOAD = 10 PSF
PARKING GARAGE:	DEAD LOAD = 5 PSF	AREAS:	LIVE LOAD = 150 PSF
	LIVE LOAD = 40 PSF		
		LIGTH STORAGE:	DEAD LOAD = 10 PSF
			LIVE LOAD = 80 PSF
GYM:	DEAD LOAD = 10 PSF		
	LIVE LOAD = 100 PSF		

WIND LOADS AS PER ASCE 7/22: DESIGN WIND SPEED = 195 MPH
RISK CATEGORY: IV
EXPOSURE CATEGORY = D
DIRECTIONALITY FACTOR K_d = 0.85
MEAN ROOF HEIGHT ≤ 62'-8" FT.

DESIGN WIND PRESSURE ON WALL COMPONENTS AND CLADDING AS INDICATED ON THE DRAWINGS. (SEE SHEET S-212)

ALL VERTICAL ELEMENTS LOCATED ALONG ACCESSIBLE FLOOR AREAS AND SEPARATING SLABS PLACED AT DIFFERENT ELEVATIONS WHEN POSITIONED WITHIN 3'-6" FROM FINISHED FLOOR ELEVATION SHALL, IN ADDITION TO ALL OTHER APPLICABLE LOADS, BE DESIGNED AS A GUARDRAIL (FOLLOWING GUIDELINES OF THE FLORIDA BUILDING CODE). THIS INCLUDES WINDOWS, LOUVERS, CURTAIN WALLS, STOREFRONTS, ETC.

LIVE LOAD POSTING: WHERE THE LIVE LOADS FOR WHICH EACH FLOOR OR PORTION THERE OF A COMMERCIAL OR INDUSTRIAL BUILDING IS OR HAS BEEN DESIGNED TO EXCEED 50 PSF, SUCH DESIGN LIVE LOADS SHALL BE CONSPICUOUSLY POSTED BY THE OWNER IN THAT PART OF EACH STORY IN WHICH THEY APPLY, USING DURABLE SIGNS. IT SHALL BE UNLAWFUL TO REMOVE OR DEFACE SUCH NOTICES.

3. SITE AND SOIL PREPARATION:
GENERAL CONTRACTOR SHALL PERFORM THE SITE PREPARATION AND EXCAVATION WORK IN ACCORDANCE WITH THE RECOMMENDATIONS PRESENTED IN THE SUBSURFACE EXPLORATION & GEOTECHNICAL ENGINEERING REPORT PREPARED BY: NUTTING ENGINEERS OF FLORIDA, INC. TITLE: REPORT OF GEOTECHNICAL EXPLORATION NORTH BAY VILLAGE HALL AND FIRE STATION 27, SITE PROJECT: 1335 79th STREET CAUSEWAY NORTH BAY VILLAGE, FLORIDA, DATE DECEMBER 19, 2024

4. DEWATERING:
THE CONTRACTOR SHALL REMOVE ALL WATER FROM FORMWORK/EXCAVATIONS, FOLLOWING DEWATERING AND PRIOR TO PLACEMENT OF CONCRETE, FORMS AND REINFORCEMENT MUST BE RINSED OFF AND CLEANED AS WELL AS ALL OF DELETEROUS/LOOSE MATERIAL REMOVED FROM EXCAVATIONS.

5. SHALLOW FOUNDATIONS:
BASED ON RECOMMENDATIONS MADE BY NUTTING ENGINEERS OF FLORIDA, INC. GEOTECHNICAL ENGINEER THE SIDE WALK AND SLAB ON GRADE HAVE BEEN DESIGNED FOR A SOIL BEARING CAPACITY OF 2000 POUNDS PER SQUARE FOOT. CONTRACTOR TO OBTAIN A COPY OF THE GEOTECHNICAL REPORT DATED DECEMBER 19, 2024 AND FOLLOW THE INSTRUCTIONS INDICATED IN THE REPORT. SOIL PREPARATION IS TO BE MADE UNDER THE SUPERVISION OF A GEOTECHNICAL ENGINEER.

6. SLABS ON FILL:
FILL AND BACKFILL TO BE COMPACTED TO 95% OF ITS MODIFIED PROCTOR DENSITY (ASTM D-1557). THICKNESS OF COMPACTION LAYERS (LOOSE MATERIAL) SHALL NOT EXCEED 12". BACKFILL MATERIAL SHALL BE APPROVED BY GEOTECHNICAL ENGINEER
3/16 INCH WIDE x (SLAB THICKNESS/4) DEEP SAW CUT OR TOOLED CONTRACTION JOINTS SHALL BE INSTALLED WITHIN 8 HOURS FOLLOWING PLACEMENT OF CONCRETE. JOINTS SHALL INTERSECT AT COLUMN LINES. LENGTH OF INDIVIDUAL SLAB PANELS CONTAINED WITHIN THE CONTRACTION JOINTS SHALL NOT EXCEED 45 x SLAB THICKNESS IN ANY DIRECTION. THE RATIO OF LONGER TO SHORTER DIMENSION SHALL NOT EXCEED 2. AT ALL FLOOR LOCATIONS WITH ARCHITECTURAL FINISHES (TILE, ETC.), LOCATION OF CONTRACTION JOINTS SHALL FOLLOW THAT OF JOINTS IN FINISHES - CONTRACTOR TO SUBMIT A SHOP DRAWING INDICATING PATTERN OF CONTRACTION JOINTS FOR APPROVAL PRIOR TO CONSTRUCTION. PROVIDE 15-MIL NON-POLYETHYLENE VAPOR BARRIER BELOW ALL SLABS ON FILL (LAP SHEETS MINIMUM OF 6" AND SEAL WITH MANUFACTURERS SPECIFIED TAPE. TAPE ALL PENETRATIONS). REFER TO ARCHITECTURAL DRAWINGS FOR REQUIRED CHEMICAL TREATMENT OF UNDERLYING SOILS. ALL SLAB REINFORCEMENT SHALL BE SUPPORTED ON CHAIRS OR CONCRETE SLAB FINISH TOLERANCES MEASURED AS PER ACI 117 (SECTION 4) SHALL NOT EXCEED 1/4"/10 FT. AREAS OF SLAB NOT MEETING THE REQUIRED TOLERANCES SHALL BE REMOVED AND REPLACED (BETWEEN NEAREST CONTRACTION OR CONSTRUCTION JOINTS) AT NO ADDITIONAL COST TO THE OWNER (PATCHING OR APPLICATION OF LEVELING MATERIALS SHALL NOT BE ALLOWED).

7. DEEP FOUNDATIONS/AUGERCAST PILES (SHOP DRAWINGS REQUIRED):
DESIGN IS BASED ON MAXIMUM SERVICE LOAD CAPACITIES AS FOLLOWS:
(17) 16" DIAMETER PILES (SHORT PILES): 40 TONS PER PILE IN COMPRESSION.
ELEVATION OF TIP OF THE PILES SHALL BE AS PER REFERENCED GEOTECHNICAL REPORT.
16" DIAMETER COMPRESSION PILES SHALL BE REINFORCED WITH (6)#6 VERTICAL BARS TIED WITH #3 STIRRUPS SPACED 6" FOR THE FIRST 12 FEET AND SPACED AT 12" FOR THE REST, AND (1)#8 VERTICAL BAR AT CENTER EXTENDING FULL LENGTH OF THE PILE.

(1) 18" DIAMETER PILES: 200 TONS PER PILE IN COMPRESSION, 100 TONS PER PILE IN TENSION (FOR PILES INDICATED ON PLANS AS 'T') AND 9.3 TONS PER PILE IN LATERAL LOAD.

ELEVATION OF TIP OF THE PILES SHALL BE AS PER REFERENCED GEOTECHNICAL REPORT.

18" DIAMETER COMPRESSION PILES SHALL BE REINFORCED WITH (8)#10 VERTICAL BARS TIED WITH #3 STIRRUPS SPACED 7" FOR THE FIRST 12 FEET AND SPACED AT 12" FOR THE REST, AND (1)#8 VERTICAL BAR AT CENTER EXTENDING FULL LENGTH OF THE PILE.

18" DIAMETER TENSION PILES SHALL BE REINFORCED WITH (7)#11 VERTICAL BARS TIED WITH #3 STIRRUPS SPACED 7" FOR THE FIRST 12 FEET AND SPACED AT 12" c/c FOR THE REST

VERTICAL PILE REINFORCEMENT SHALL EXTEND A MINIMUM OF 4'-6" (#10 BARS) OR 5'-0" (#11 BARS) INTO THE PILE CAP AS MEASURED FROM TOP OF THE PILE CUT-OFF POINT, AND TERMINATE WITH A STANDARD HOOK.

FOR ALL 18" DIAMETER PILES LOCATED WITHIN SHEARWALL PILECAPS TIE SPACING WITHIN THE 12'-0" LONG PORTION OF PILE DIRECTLY BELOW THE BOTTOM OF PILE CAP SHALL BE REDUCED TO 7" c/c. FOR COMPRESSION PILES AND AT 7" FOR TENSION PILES.

PILE REINFORCEMENT SHALL NOT BE SPLICED (MECHANICAL SPLICES ALLOWED AT LOW HEADROOM PILES).

PILE REINFORCEMENT SHALL BE PROVIDED WITH SPACERS TO ENSURE THAT A MINIMUM OF 3" CLEAR COVER TO THE SIDES OF THE SHAFT IS MAINTAINED.

PILE GROUT STRENGTH SHALL BE 6,000 PSI AT 28 DAYS. GROUT SHALL BE TESTED WITH ONE SET OF 2" CUBES FOR EACH 50 CUBIC YARDS OR FRACTION THERE OF PLACED DURING EACH DAY OF PILE INSTALLATION. A SET OF CUBES SHALL CONSIST OF (2) CUBES TO BE TESTED AT 7 DAYS, (1) AT 14 DAYS, (2) AT 28 DAYS AND (4) TO BE KEPT FOR ADDITIONAL TESTING IF THE SPECIFIED 28-DAY STRENGTH OF GROUT IS NOT ACHIEVED. TEST CUBES SHALL BE MADE AND TESTED IN ACCORDANCE WITH ASTM C109.

PILE INSTALLATION SHALL BE SUPERVISED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA.
MINIMUM VOLUME OF GROUT PLACED IN THE HOLE SHALL EXCEED THAT OF THE AUGERED HOLE BY A MINIMUM OF 20 PERCENT (GROUT FACTOR EQUAL TO OR N EXCESS OF 1.20).
CENTERS OF PILES WITHIN GROUPS OF 7 OR MORE SHALL BE INSTALLED WITHIN 4 INCHES OF THEIR INTENDED DESIGN LOCATION. CENTERS OF PILES WITHIN GROUPS OF 6 OR FEWER SHALL BE INSTALLED WITHIN 3 INCHES OF THEIR INTENDED DESIGN LOCATION. FOR ALL PILES, VARIATION FROM PLUMB OR LINE OF BATTER SHALL NOT EXCEED 1.67 PERCENT. VERIFICATION OF STRUCTURAL ADEQUACY OF PILE CAPS OR GRADE BEAMS RESULTING FROM THOSE TOLERANCES BEING EXCEEDED AS WELL AS ANY SUBSEQUENT WORK ON REMEDIAL MEASURES IF THE RESULTING LOADS ON PILES EXCEED 10 PERCENT OF THE MAXIMUM ALLOWED (AS PER F.B.C.) SHALL BE BILLED TO THE CONTRACTOR AT AN HOURLY RATE BASIS.
ADJACENT PILES (CLOSER THAN 8 FEET CENTER-TO-CENTER) SHALL NOT BE PLACED PRIOR TO SIX HOURS FOLLOWING GROUT REACHING ITS INITIAL SET.
AN AS-BUILT SURVEY OF PILE LOCATIONS (CENTERS OF PILES) SHALL BE PERFORMED BY A FLORIDA REGISTERED LAND SURVEYOR.
AN AS-BUILT DRAWING INDICATING LOCATIONS OF INSTALLED PILES REFERENCED FROM THEIR ORIGNALLY INTENDED POSITIONS (NOT FROM A REFERENCE POINT COMMON TO ALL PILES OR A PILE CAP) SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
ONE PILE COMPRESSION AND ONE PILE TENSION LOAD TESTS ARE REQUIRED FOR EACH DIAMETER OF PILE AT EACH TOWER LOCATION. PILES TO BE TESTED SHALL NOT BE PRODUCTION PILES (PRODUCTION PILES MAY ONLY BE USED AS REACTION PILES).
TEST PILE LOCATION SHALL BE SELECTED BY THE GEOTECHNICAL ENGINEER.
TEST PILES ARE TO BE LOADED TO TWICE THE DESIGN LOAD IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND ASTM D3689. INDEPENDENT GEOTECHNICAL CONSULTANT SHALL BE EMPLOYED BY THE OWNER AND APPROVED BY THE ENGINEER IN ORDER TO VERIFY THE TEST RESULTS (SIGNED AND SEALED SUMMARY LETTER TO BE SUBMITTED TO THE ENGINEER FOLLOWING COMPLETION OF TESTING). CONTRACTOR SHALL BE RESPONSIBLE FOR DESIGN AND FOR PROVIDING ADDITIONAL REINFORCEMENT WITHIN THE PILES AS REQUIRED TO ENSURE THEIR STRUCTURAL ADEQUACY UNDER THE TEST LOAD.
TEST PILES FAILING IN MANNER OTHER THAN SOIL-TO-GROUT INTERACTION SHALL BE RE-INSTALLED AND RE-TESTED BY THE CONTRACTOR AT NO ADDITIONAL COST.
IN CASE OF ENCOUNTERED OBSTRUCTION (PREVENTING PLACING OF PILE TO THE REQUIRED DEPTH OR CAUSING PILE DRIFT) INSTALLATION OF ADDITIONAL PILE MAY BE REQUIRED BY THE ENGINEER. REFUSAL SHALL BE DEFINED AS THE DEPTH WHERE THE PENETRATION OF THE STANDARD AUGERING EQUIPMENT IS ONE FOOT PER MINUTE OR LESS. ADDITIONAL PILES SHALL BE PLACED AND PAID FOR AT CONTRACTOR'S EXPENSE.
SIDE WALLS OF ALL PILE CAPS SHALL BE CAST AGAINST SIDES OF EXCAVATIONS UNLESS DIRECTED OTHERWISE BY THE ENGINEER (OVEREXCAVATION OR UNSTABLE SIDES). ALL PILE CAP REINFORCEMENT WHETHER OR NOT INDICATED ON THE DRAWINGS SHALL TERMINATE WITH 180 DEGREE HOOKS. PILE CAP OR GRADE BEAM REINFORCEMENT SHALL NOT BE SUPPORTED BY CONCRETE BRICKS FROM TIPS OF CUT-OFF PILES. EXCAVATIONS FOR PILE CAPS WITHIN A DISTANCE OF FIVE PILE DIAMETERS OR DEPTH OF THE EXCAVATION (WHICHEVER IS MORE) FROM CENTERLINE OF NEAREST PILE SHALL NOT BE ALLOWED TO COMMENCE BEFORE COMPLETION OF A 7-DAY PILE GROUT CURING PERIOD.
ALL COSTS RELATING TO CERTIFICATION OF PILE DRIVING, LOCATION, IDENTIFICATION AND CORRECTIVE WORK SHALL BE PAID FOR BY THE CONTRACTOR AT NO COST TO THE OWNER. COST OF INSTALLATION OF LOW HEADROOM PILES AS BASED ON VERIFICATION OF EXISTING FIELD CONDITIONS BY THE CONTRACTOR SHALL BE INCLUDED IN THE BID. COST OF ADDITIONAL LOW HEADROOM PILES NOT ANTICIPATED IN THE ORIGINAL BID SHALL BE BORNE SOLELY BY THE CONTRACTOR.
REFER TO THE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION AND RECOMMENDATIONS. NO PILE CAP SHALL BE CAST UNTIL LAYOUT OF PILES IS APPROVED

8. EXCAVATIONS:
EXCAVATIONS FOR UTILITIES SHALL BE COMPLETED PRIOR TO OR CONCURRENTLY WITH EXCAVATIONS FOR NEW STRUCTURES. LOCATION OF ALL UTILITIES SHALL BE COORDINATED WITH STRUCTURAL DRAWINGS. POTENTIAL CONFLICTS/UNDERMINING SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ENGINEER PRIOR TO COMMENCEMENT OF WORK.

CONTRACTOR SHALL EXERCISE CAUTION DURING EXCAVATIONS ADJACENT TO THE EXISTING STRUCTURES. ANY DEVIATIONS IN CONDITIONS/LAYOUT OF THE EXISTING FOUNDATIONS FROM THOSE SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE REPORTED TO THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH WORK. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR BRACING/LATERAL SUPPORT OF THE EXISTING STRUCTURE AS WELL AS FOR MAINTAINING ITS STRUCTURAL INTEGRITY THROUGHOUT THE ENTIRE PROCESS OF CONSTRUCTION.

9. CONCRETE (SHOP DRAWINGS REQUIRED):
CAST-N-PLACE CONCRETE TO ATTAIN THE FOLLOWING MINIMUM 28-DAY COMPRESSIVE STRENGTH:
TIE BEAMS, TIE COLUMNS = 5,000 PSI
PILE CAPS = 5,000 PSI
WALL FOOTING = 5,000 PSI

SLABS ON GRADE EXCEPT AS NOTED = 5,000 PSI
POST-TENSION SLAB = 6,000 PSI
BEAMS EXCEPT AS NOTED = 5,000 PSI
STRUCTURAL ELEVATED SLABS = 6,000 PSI

COLUMNS : SEE COLUMN SCHEDULES

SHEARWALLS : SAME AS COLUMN SCHEDULES

ALL CONCRETE IN EXCESS OF 4,000 PSI COMPRESSIVE STRENGTH SHALL BE PROPORTIONED WITH MAXIMUM WATER-TO-CEMENTITIOUS MATERIALS RATIO OF 0.40.

AGGREGATES TO BE CLEAN AND WELL GRADED WITH A MAXIMUM SIZE OF 1" (3/4" PEAROCK PUMP MIX AT ALL COLUMNS AND WALLS). CONCRETE SLUMP SHALL BE 3" MINIMUM TO 6" MAXIMUM (UNLESS UTILIZING WATER REDUCING ADMIXTURES) AND 8" TO 9" FOR THE LOWER TWO FEET OF SHEARWALL PILE CAPS (WITH SUPERPLASTICIZER). PROVIDE SUPERPLASTICIZER IN CONCRETE AT ALL COLUMNS WITH RATIO OF (TOTAL CROSS-SECTIONAL AREA OF VERTICAL REINFORCEMENT)/(GROSS SECTIONAL AREA OF COLUMN) EXCEEDING 4 PERCENT.

PROVIDE SUPERPLASTICIZER IN CONCRETE AT ALL TOWER SHEARWALLS BELOW ELEVATION +58'-0" N.G.V.D. VERTICAL CONCRETE DROP AT PLACEMENT SHALL NOT EXCEED 10 FT. SUBMIT PROPOSED MIX INFORMATION, INCLUDING STATISTICAL BACK-UP DATA AS PER ACI 318, WITH A CLEAR NOTE BY THE CONTRACTOR INDICATING INTENDED LOCATION OF PLACEMENT FOR EACH MIX (STRUCTURAL MEMBER TYPES AND THEIR LOCATION). MIX SUBMITTALS WITHOUT SUCH INFORMATION SHALL BE RETURNED WITHOUT REVIEW. MAXIMUM TIME ALLOWED FROM BATCHING TO PLACEMENT OF CONCRETE SHALL NOT BE ALLOWED TO EXCEED 1.5 HOURS.

ALL SLABS SHALL BE CURED WITH A DISSIPATING CURING COMPOUND CONFORMING TO ASTM C 309 TYPE I AND CONTAIN A FUGITIVE DYE (CONTRACTOR TO VERIFY POTENTIAL INCOMPATIBILITY OF THE CURING COMPOUND WITH ARCHITECTURAL FINISHES AND PROVIDE WET CURING (CONTINUOUS SPRAYING/FOGGING, SATURATED WET COVERINGS OR IMPERVIOUS COVERINGS) IN AFFECTED SLAB AREAS). AT ALL UPTURNED BEAMS, SURFACE OF CONCRETE SHALL BE ROUGHENED TO 1/4" AMPLITUDE PRIOR TO PLACEMENT OF UPPER BEAM PORTION.

10. CONCRETE TESTING:
AN INDEPENDENT TESTING LABORATORY, RETAINED BY THE OWNER, SHALL PERFORM THE FOLLOWING TESTS ON CAST-IN-PLACE CONCRETE: ASTM C 143 ' STANDARD TEST METHOD FOR SLUMP OF PORTLAND CEMENT CONCRETE ASTM C 39' STANDARD TEST METHOD FOR COMPRESSIVE STRENGTH OF CYLINDRICAL CONCRETE SPECIMENS'. ONE TEST SHALL BE PERFORMED ON EACH CLASS OF CONCRETE PER EVERY 50 CUBIC YARDS, OR FRACTION THEREOF, PLACED PER DAY, PER EACH TYPE OF CONCRETE MIX. A SET OF FIVE CYLINDERS SHALL BE TAKEN. THE SAMPLES SHALL BE TESTED AT AGE OF 3 DAYS (ONE), 7 DAYS (ONE), 28 DAYS (TWO) AND 56 DAYS (REMAINING SAMPLE SHALL BE TESTED ONLY IF 28-DAY OLD CONCRETE FAILED TO ATTAIN ITS SPECIFIED DESIGN STRENGTH).

11. REINFORCING STEEL (SHOP DRAWINGS REQUIRED):
TO BE NEW HIGH STRENGTH STEEL DEFORMED AS PER ASTM A 305, AND CONFORMING TO ASTM A 615, GRADE 60 (OR ASTM A 706 GRADE 60 WHERE WELDING IS ANTICIPATED). ALL REINFORCEMENT SHALL BE FREE OF SCALE, RUST OR OIL. REINFORCING STEEL TO BE DETAILED AND FABRICATED IN ACCORDANCE WITH MANUAL OF STANDARD PRACTICE OF DETAILING REINFORCING CONCRETE STRUCTURES, AND THE A.C.I. BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE ACI 318, LATEST EDITION. MECHANICAL OR WELDED SPLICES SHALL DEVELOP A MINIMUM OF 125 PERCENT OF THE SPECIFIED YIELD STRENGTH OF REINFORCEMENT.
PROVIDE REINFORCING STEEL GRADE 60 IN FOUNDATION.

REQUIRED CLEAR CONCRETE COVER TO REINFORCEMENT

	BOTTOM	TOP	SIDES
PILE CAPS, FOOTINGS	3"	2"	3"
GRADE BEAMS	3"	2"	2"
RETAINING WALLS	3"	2"	2"
BEAMS, WALLS, COLUMNS	1 1/2"	1 1/2"	1 1/2"
INTERIOR SLABS-ON-GRADE	1 1/2"	1 1/2"	---
EXTERIOR SLABS-ON-GRADE	1 1/2"	1 1/2"	---
INTERIOR STRUCTURAL SLABS	3/4"	3/4"	1 1/2"
EXTERIOR STRUCTURAL SLABS	1 1/2"	1 1/2"	1 1/2"
COLUMNS	---	---	1 1/2"

ALL REINFORCEMENT SHALL BE SUPPORTED ON CHAIRS (SLAB-ON-GRADE, FOOTING OR PILE CAP REINFORCEMENT MAY BE SUPPORTED ON CONCRETE BRICKS).
PROVIDE FULL TENSION SPLICE AT ALL REINFORCEMENT NOTED ON DRAWINGS AS CONTINUOUS. UNLESS DRAWINGS SPECIFICALLY CALL FOR HEAVIER REINFORCEMENT, FREE EDGES OF ALL CONCRETE SLABS (SLABS-ON-GRADE, REINFORCED OR POST-TENSIONED SLABS, STAIR SLABS, ETC.) SHALL BE REINFORCED WITH (1)#4 CONT. TOP AND BOTTOM REINFORCEMENT.

EXTRA STOCK NOTE:
THE CONTRACTOR SHALL INCLUDE IN HIS BID THE COST OF 50 TONS OF ADDITIONAL REINFORCING STEEL, INCLUDING FABRICATION, BENDING, FURNISHING AND PLACING. THIS EXTRA STOCK SHALL BE USED FOR SPECIAL CONDITIONS AS DIRECTED BY THE ARCHITECT, THE ARCHITECT'S AGENT OF THE OWNER'S CONSTRUCTION SUPERVISOR THE COST OF ALL UN-USED EXTRA STOCK SHALL BE CREDITED TO THE OWNERS ACCOUNT.

12. CONSTRUCTION JOINTS (SHOP DRAWINGS REQUIRED)
SLABS-ON-GRADE: (IF APPLICABLE)
LOCATION OF A CONSTRUCTION JOINT SHALL COINCIDE WITH THAT OF A CONTRACTION JOINT. PROVIDE A CONTINUOUS 1 1/2" DEEP x 1/2 DEPTH OF SLAB CONTINUOUS SHEAR KEY AT MID-DEPTH. PROVIDE RECESS ALONG TOP OF JOINT SIMILAR TO CONTRACTION JOINT. UNLESS NOTED OTHERWISE ON PLAN, DISCONTINUE SLAB REINFORCEMENT THROUGH THE JOINT.
PROVIDE (1)#4 AT CONT. PARALLEL TO JOINT WITHIN NEW SLAB (DISCONTINUE AT TRANSVERSE CONTRACTION JOINTS).

BEAMS (NON POST-TENSIONED): PROVIDE BULKHEAD AT MID-SPAN WITH 3 1/2" DEEP x 2/3 DEPTH OF BEAM x 2/3 WIDTH OF BEAM POCKET, CENTERED ON BEAMS CROSS-SECTION. LENGTH OF EXPOSED REINFORCEMENT SHALL BE SUFFICIENT TO PROVIDE A FULL TENSION LAP SPLICE.

STRUCTURAL SLABS (NON POST-TENSIONED): PROVIDE BULKHEAD AT MID-SPAN WITH A CONTINUOUS 1 1/2" DEEP x 2/3 DEPTH OF SLAB SHEAR KEY AT MID-DEPTH. LENGTH OF EXPOSED REINFORCEMENT SHALL BE SUFFICIENT TO PROVIDE A FULL TENSION LAP SPLICE.

COLUMNS: DISCONTINUE CONCRETE AT UNDERSIDE OF BEAM, SLAB, SHEARHEAD, ETC. AND CONTINUE ABOVE MONOLITHICALLY CAST BEAM, SLAB, SHEARHEAD, ETC. UPON CONTRACTOR'S PRIOR WRITTEN REQUEST AND ENGINEER'S PRIOR WRITTEN APPROVAL, COLUMN/BEAM CONNECTIONS AT ISOLATED LOCATIONS MAY BE REINFORCED TO ALLOW FOR INSTALLATION OF COLUMN PRIOR TO PLACEMENT OF BEAM CONCRETE. THE CONTRACTOR SHALL BE BILLED ON AN HOURLY RATE BASIS FOR THE RESULTING ADDITIONAL DESIGN/DRAFTING SERVICES PROVIDED BY THE ENGINEER. COST OF SUCH SERVICES AS WELL AS THAT OF ADDITIONAL REINFORCEMENT SHALL BE COVERED SOLELY BY THE CONTRACTOR.

PRIOR TO COMMENCEMENT OF WORK, CONTRACTOR SHALL SUBMIT A SHOP DRAWING INDICATING LOCATION OF ALL INTENDED BULKHEADS TO THE ENGINEER FOR APPROVAL. THE ENGINEER RESERVES A RIGHT TO REFUSE ALLOWING A COLD JOINT AT A SPECIFIC LOCATION.

13. WELDED WIRE FABRIC:
SHALL CONFORM TO ASTM A 185 AND BE FREE OF SCALE, RUST OR OIL. SPLICE SHEETS ONE-AND-A-HALF SPACE LENGTHS (MINIMUM).

14. WEATHER RESISTANCE:
TOP OF FLAT CONCRETE SURFACES REMAINING EXPOSED TO THE ELEMENTS THROUGHOUT THE LIFE OF THE STRUCTURE ARE TO BE TREATED WITH A CLEAR, NON-FLAMMABLE PENETRATING SEALER (SONNEBORN PENETRATING SEALER 20, HYDROZO ENVIROSEAL 20 OR AN ENGINEER APPROVED SUBSTITUTE). COORDINATE WITH ARCHITECT PRIOR TO INSTALLATION (COMPATIBILITY WITH FINISHES).

15. PENETRATIONS:
UNLESS CLEARLY SHOWN ON STRUCTURAL DRAWINGS, NO PENETRATIONS SHALL BE MADE IN ANY STRUCTURAL MEMBER WITHOUT A PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO IDENTIFY SUCH PENETRATIONS BASED ON INFORMATION PROVIDED BY ALL SUBCONTRACTORS AND TO SUBMIT DETAILED AND DIMENSIONED FLOOR PLANS TO THE STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO IMPLEMENTATION. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ANY LABOR AND MATERIALS ASSOCIATED WITH ADDITIONAL REINFORCEMENT OF STRUCTURAL MEMBERS RESULTING FROM INTRODUCTION OF SUCH PENETRATIONS.

16. MASONRY (SHOP DRAWINGS REQUIRED):
UNLESS OTHERWISE NOTED ON STRUCTURAL DRAWINGS OR SPECIFIED WITHIN THE FLORIDA BUILDING CODE, ALL MASONRY CONSTRUCTION SHALL CONFORM TO REQUIREMENTS OF TMS 402/602-16.

A (FOR MASONRY WALL WITH 2000 Psi)
ALL CONCRETE BLOCK TO CONFORM TO ASTM C 90, GRADE N, TYPE I (NON-MOISTURE CONTROLLED) WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 2000 PSI (PRISM STRENGTH OF MASONRY WALL 2000 PSI). MORTAR SHALL CONFORM TO ASTM C 270 TYPE M, WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2500 PSI (USE PORTLAND TYPE CEMENT). GROUT SHALL CONFORM TO ASTM C 476 WITH A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 2000 PSI. GROUT SLUMP SHALL BE BETWEEN 8 AND 10 INCHES. AN APPROVED TESTING LABORATORY TO PERFORM TESTS OF GROUT AND MORTAR AT A RATE OF ONE PER EVERY 2000 SQUARE FEET OF WALL ERECTED. TESTING OF GROUT SHALL CONFORM TO ASTM C 1019. TESTING OF MORTAR SHALL CONFORM TO ASTM C 270.

(FOR MASONRY WALL WITH 2500 Psi)
ALL CONCRETE BLOCK TO CONFORM TO ASTM C 90, GRADE N, TYPE II (NON-MOISTURE CONTROLLED) WITH A MINIMUM NET AREA COMPRESSIVE STRENGTH OF 3750 PSI (PRISM STRENGTH OF MASONRY WALL 2500 PSI). MORTAR SHALL CONFORM T

GENERAL STRUCTURAL NOTES:

24. WELDING:
ALL WELDING TO BE DONE BY CERTIFIED WELDERS HOLDING CURRENT WELDING CERTIFICATES. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH A.W.S. 'STRUCTURAL WELDING CODE - STEEL' (ANSI/AWS D1.1). AN APPROVED TESTING LABORATORY, RETAINED BY THE OWNER, SHALL PERFORM VISUAL INSPECTION OF ALL FIELD FILLET WELDS AND ULTRASONIC INSPECTION OF ALL FIELD GROOVE WELDS. UPON COMPLETION OF SUCH INSPECTIONS THE LABORATORY SHALL ISSUE A WRITTEN SUMMARY LETTER, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA, STATING THAT ALL WELDS WITHIN AN INSPECTED AREA CONFORMED TO THE AWS REQUIREMENTS.

25. LIGHT GAUGE STEEL FRAMING (SHOP DRAWINGS REQUIRED):
LIGHT GAUGE STEEL FRAMING SHALL BE OF CONFIGURATION SHOWN ON STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SHALL BE DESIGNED BY A SPECIALTY ENGINEER TO RESIST GRAVITY AND WIND LOADS. SHOP DRAWINGS, INCLUDING CALCULATIONS, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA SHALL CLEARLY INDICATE DESIGN LOADS, MEMBER SIZES, CONNECTION DETAILS, PERMANENT BRACING, STRUCTURAL STEEL FRAMING AND CONNECTIONS TO STRUCTURE (IF REQUIRED FOR SUPPORT OF LIGHT-GAUGE FRAMING) AND ALL MATERIALS USED. ALL STUDS AND TRACK 18 GA AND LIGHTER, BRIDGING AND ACCESSORIES SHALL BE FABRICATED OF STEEL CONFORMING TO ASTM A 446 GRADE A (MINIMUM YIELD STRENGTH 33 KSI). ALL STUDS AND TRACK 16 GA. AND HEAVIER SHALL BE FABRICATED OF STEEL CONFORMING TO ASTM A 446 GRADE D (MINIMUM YIELD STRENGTH 50 KSI). ALL SECTIONS SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A 525 (COATING CLASS OF G60). ALL FASTENERS SHALL BE GALVANIZED. USE OF WIRE FOR CONNECTIONS SHALL NOT BE ALLOWED. CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING LOCATION OF ALL POST-TENSIONING TENDONS ON FORMS (TO REMAIN VISIBLE FOLLOWING REMOVAL OF FORMS) AT ALL SLAB AREAS INDICATED ON ARCHITECTURAL DRAWINGS AS RECEIVING SOFFITS BELOW (SEE NOTE 24). UNLESS NOTED OTHERWISE ON PLANS, ALL STRUCTURAL SHEATHING FOR LIGHT- GAUGE FRAMING SHALL CONSIST OF MIN. 5/8' THICK EXTERIOR GRADE STRUCTURAL PLYWOOD AS RATED BY THE A.P.A. (ADJACENT ROWS OF SHEATHING SHALL BE INSTALLED WITH A 50 PERCENT STAGGER) FASTENED TO SUPPORTING LIGHT-GAUGE FRAMING WITH #10 GALVANIZED SCREWS AT 6' C/C. SPACING OF LIGHT-GAUGE FRAMING SUPPORTING SHEATHING SHALL NOT EXCEED 24' C/C.

26. DETAILS AND SECTIONS:
ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL (WHETHER OR NOT NOTED AS SUCH) AND SHALL BE ASSUMED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, UNLESS A DIFFERENT DETAIL OR A SECTION, IS SHOWN.

27. LIGHTWEIGHT INSULATING CONCRETE (SHOP DRAWINGS REQUIRED):
MINIMUM COMPRESSIVE STRENGTH SHALL BE 200 PSI. DENSITY SHALL BE 10 TO 30 PCF.

28. RAILINGS/CURTAIN WALLS/STOREFRONTS/STAIRS/CANOPIES/AWNINGS/ LADDERS/TRELLISES ETC. (SHOP DRAWINGS REQUIRED):
FRAMING OF THE SPECIALTY ENGINEER ITEMS AS WELL AS THEIR CONNECTIONS TO THE STRUCTURE SHALL BE DESIGNED FOR LOADS AS PER FLORIDA BUILDING CODE AND BE BASED ON LAYOUT AND CONFIGURATION AS SHOWN ON ARCHITECTURAL DRAWINGS. SHOP DRAWING SUBMITTAL SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA (INCLUDING CALCULATIONS) SHALL INCLUDE PLANS AND DETAILS CLEARLY INDICATING DESIGN LOADS, MATERIALS USED, FINISHES, FASTENERS AS WELL AS LOADS IMPOSED BY THE SPECIALTY ENGINEER ITEM ON THE STRUCTURE.

29. WINDOWS/SLIDING DOORS/LOUVERS (SHOP DRAWINGS REQUIRED):
WINDOWS/SLIDING DOORS/LOUVERS WITH CONNECTIONS TO THE STRUCTURE SHALL INCLUDE PLANS AND DETAILS CLEARLY INDICATING DESIGN LOADS, MATERIALS USED, FINISHES, FASTENERS AS WELL AS LOADS IMPOSED BY THE WINDOW/SLIDING GLASS DOOR/LOUVER ON THE STRUCTURE. SIDES OF ALL SLIDING GLASS DOORS AND FULL-HEIGHT WINDOWS SHALL BE DESIGNED AS MULLIONS AND BE CAPABLE OF SPANNING FULL-HEIGHT WITHOUT ASSISTANCE FROM ADJACENT CONCRETE/MASONRY (ALTHOUGH SUCH MULLIONS MAY BE DETAILED AS FASTENED TO SIDES OF OPENING). PROVIDE SIGNED AND SEALED CALCULATIONS.

30. EMBEDDED ELEMENTS AND FASTENERS AT POST-TENSIONED CONCRETE:
SLABS/BEAMS TYPE, NUMBER, LOCATION, ETC. OF ALL EMBEDDED ELEMENTS TO BE CAST IN CONCRETE (INSERTS, STUDS, BOLTS, DOWELS ETC.) FOR STRUCTURAL, MECHANICAL AND ARCHITECTURAL ITEMS SHALL BE COORDINATED BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTMENT OF LOCATION OF TENDONS (SO AS TO AVOID FUTURE CONFLICT WITH FASTENERS) AND FOR MARKING THE FINAL LOCATION OF TENDONS WITHIN SLAB/BEAM PRIOR TO PLACEMENT OF CONCRETE (CHALK MARKS ON FORMWORK VISIBLE FOLLOWING REMOVAL OF FORMS) AT ALL LOUVERS, DOORS, SLIDING DOORS, ETC. FASTENED INTO CONCRETE. EMBEDMENT DEPTH FOR FASTENERS TO BE USED AT ANY ARBITRARY LOCATION OF SLAB SHALL BE LIMITED TO 3/4' AND BEAM TO 1 1/2' (CONTRACTOR TO REVIEW SUB-CONTRACTORS DRAWINGS FOR CONFORMANCE). CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR ALL WORK INVOLVING DETERMINATION OF CABLE LOCATIONS AND FOR REPAIR OF DAMAGED CABLES IF THE ABOVE GUIDELINES ARE NOT FOLLOWED.

31. EXPANSION ANCHORS:
THE CONTRACTOR SHALL USE ONE OF THE FOLLOWING: POWER-STUD BY 'POWERS/RAWL', KWIK BOLT II BY 'HILTI', TRUBOLT WEDGE BY 'RAMSET/REDHEAD' OR AN ENGINEER APPROVED SUBSTITUTE. INSTALLATION OF ANCHORS SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS.

32. SHEAR STUDS:
SHALL BE TYPE 'B' HEADED STUDS WITH TENSILE STRENGTH OF 60 KSI OF STEEL CONFORMING TO ASTM A 108. WELDING OF STUDS SHALL BE IN ACCORDANCE WITH ANSI/AWS D1.1 'STRUCTURAL WELDING CODE - STEEL' SECTION 7 - STUD WELDING. AN INDEPENDENT TESTING LABORATORY, RETAINED BY THE OWNER, SHALL PERFORM INSPECTIONS OF ALL STUDS. UPON COMPLETION OF A NUMBER OF SUCH INSPECTIONS THE LABORATORY SHALL ISSUE A WRITTEN LETTER, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA, VERIFYING CORRECT NUMBER AND DISTRIBUTION OF STUDS AS WELL AS THEIR CORRECT WELDING / FUSION (CONFORMING TO THE AWS REQUIREMENTS) WITHIN AN INSPECTED AREA.

33. EPOXY ANCHORS:
THE CONTRACTOR SHALL USE A TWO-COMPONENT EPOXY BASED PRODUCT SUPPLIED AS A SIDE-BY-SIDE CARTRIDGE SYSTEM AND DISPENSED THROUGH A STATIC MIXING NOZZLE. THE CONTRACTOR MAY USE ONE OF THE FOLLOWING: POWER-FAST BY 'POWERS/RAWL', HIT RE 500 BY 'HILTI', EPCON BY 'RAMSET/REDHEAD', ALLIED 'GOLD A-1000 BY 'ALLIED FASTENER AND TOOL', ET BY 'SIMPSON' OR AN ENGINEER APPROVED SUBSTITUTE. INSTALLATION OF DOWELS SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS. ALL HOLES SHOULD BE BRUSHED WITH A NYLON BRUSH AND BLOWN WITH COMPRESSED AIR. ALL HOLES MUST BE OBSERVED BY THE PROJECT INSPECTOR PRIOR TO INSTALLATION OF EPOXY.

34. SCREW ANCHORS:
THE CONTRACTOR SHALL USE ONE OF THE FOLLOWING: TAPPER BY 'POWERS/RAWL', KWIK-CON BY 'HILTI', TAPCON BY 'RAMSET/REDHEAD' OR AN ENGINEER APPROVED SUBSTITUTE. INSTALLATION OF ANCHORS SHALL FOLLOW MANUFACTURER'S SPECIFICATIONS.

35. TOWER CRANE / PERSONNEL HOIST:
FOUNDATIONS AND BRACING FOR THE CRANE/HOIST SHALL BE DESIGNED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER, SIGNED AND SEALED SET OF SHOP DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED TO THE THRESHOLD INSPECTOR FOR REVIEW PRIOR TO COMMENCEMENT OF CONSTRUCTION. LOCATION SHALL BE APPROVED BY THE ENGINEER/ARCHITECT. ADDITIONAL RE-DESIGN WORK REQUIRED AS A RESULT OF CONFLICT BETWEEN CRANE/HOIST AND THE STRUCTURE SHALL BE BILLED TO THE CONTRACTOR BY THE ENGINEER-OF-RECORD AT AN HOURLY RATE. COST OF ADDITIONAL MATERIALS AND LABOR FOR THE STRUCTURAL REVISIONS ASSOCIATED WITH PLACEMENT OF CRANE/HOIST SHALL BE COVERED BY THE CONTRACTOR.

36. SPECIALTY ENGINEER SUBMITTALS:
SUBMITTALS SHALL BE PREPARED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND THE FLORIDA STATUTES CHAPTER 61G15. ENGINEER'S NAME, LICENSE NUMBER AND BUSINESS ADDRESS SHALL BE LEGIBLY INDICATED ON ALL DOCUMENTS. SPECIALTY ENGINEER SHALL BE SOLELY RESPONSIBLE FOR DIRECT CONTACT WITH THE BUILDING DEPARTMENT WHILE OBTAINING BUILDING DEPARTMENT'S APPROVAL FOR HIS/HER PORTION OF WORK (INCLUDING PROVIDING RESPONSES TO REVIEW.

COMMENTS, SUPPLYING ADDITIONAL CALCULATIONS AND PLANS, ATTENDING MEETINGS, ETC.). DESIGN AND DETAILING OF CONNECTIONS BETWEEN ENGINEERED ITEM AND THE STRUCTURE SHALL BE BASED ON INFORMATION OBTAINED FROM STRUCTURAL DRAWINGS AND BE PRECEDED BY THE SPECIALTY ENGINEER'S PRIOR REVIEW OF THE CAPACITY OF THE PORTION OF STRUCTURE TO WHICH THE ITEM IS BEING FASTENED. MODIFICATIONS TO THE STRUCTURE RESULTING FROM REACTIONS IMPOSED AT THE CONNECTION POINTS (GROUTING OF MASONRY, ADDITIONAL BRACING OF STRUCTURAL MEMBERS, ADDITIONAL CONCRETE TIE COLUMNS WITHIN MASONRY WALLS, ETC.) SHALL BE DESIGNED AND CLEARLY DETAILED BY THE DELEGATED ENGINEER ON THE SHOP DRAWINGS AND SUBMITTED FOR REVIEW AS PART OF THE SHOP DRAWINGS. CONTRACTOR SHALL ASSUME ALL COSTS OF ADDITIONAL LABOR AND MATERIALS ASSOCIATED WITH IMPLEMENTATION OF SUCH MODIFICATIONS (IF MODIFICATIONS ARE NOT DETAILED BY THE DELEGATED ENGINEER ON HIS/HER DRAWINGS AND ARE TO BE PREFORMED BY THE ENGINEER OF RECORD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDITIONAL WORK PERFORMED BY THE ENGINEER OF RECORD ON AN HOURLY CHARGE BASIS).

THE FOLLOWING SHOP DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED FOR REVIEW, SIGNED AND SEALED BY A REGISTERED ENGINEER IN THE STATE OF FLORIDA:

a) METAL STAIRS / HANDRAILS / GUARDRAILS / LADDERS / GRILLS
b) STOREFRONT GLAZING SYSTEM
c) EXTERIOR LIGHT GAGE METAL FRAMING
d) EXTERIOR LOUVERS
e) EXTERIOR METAL CANOPY
f) ALUMINUM TRELLIS
g) ENCLOSURE FOR ROOF MECHANICAL UNITS
h) EXTERIOR METAL SCREEN AND CONNECTIONS

37. SHOP DRAWINGS:
SHOP DRAWINGS SHALL BE REVIEWED FOR COMPLIANCE WITH CONTRACT DOCUMENTS, CONSTRUCTION METHODS, DIMENSIONING AND OTHER TRADE REQUIREMENTS BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. DRAWINGS WITHOUT CONTRACTOR'S APPROVAL STAMP SHALL BE RETURNED WITHOUT ENGINEER'S REVIEW. IN CASES OF A CONFLICT, INFORMATION PRESENTED ON STRUCTURAL DRAWINGS SHALL TAKE PRECEDENCE OVER THAT WITHIN SHOP DRAWINGS, UNLESS SPECIFICALLY BY THE ENGINEER IN WRITING. THROUGH THE PROCESS OF A CURSORY REVIEW, ENGINEER ASSUMES NO RESPONSIBILITY FOR DIMENSIONS, QUANTITIES, ERRORS OR OMISSIONS. ANY ERRORS OR OMISSIONS IRRESPECTIVE OF ENGINEER'S COMMENTS OR DURATION OF THE REVIEW SHALL BE THE RESPONSIBILITY OF AND MUST BE CORRECTED BY THE CONTRACTOR AT NO ADDITIONAL SERVICES CHARGE EVEN IF SUCH WORK WAS DONE IN ACCORDANCE WITH THE SHOP DRAWINGS. THE ENGINEER RESERVES A TWO WEEK SHOP DRAWING REVIEW TIME (FROM THE DATE OF RECEIPT). IN CASES WHERE THE VOLUME OF SUBMITTED SHOP DRAWINGS IS VIEWED AS EXCESSIVE, THE ENGINEER RESERVES THE RIGHT TO NOTIFY THE OWNER, ARCHITECT AND THE CONTRACTOR OF ADDITIONAL TIME REQUIRED TO PERFORM A QUALITY REVIEW. NUMBER OF SETS WITHIN EACH INDIVIDUAL SHOP DRAWING SUBMITTAL SHALL BE LIMITED TO BETWEEN TWO AND FIVE WITH THE ENGINEER RESERVING THE RIGHT TO RETAIN A SINGLE COPY FOR THE RECORDS.

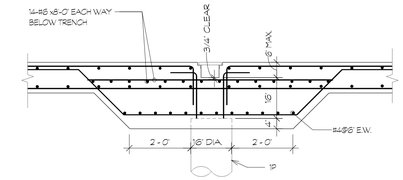
38. SUPPLEMENTAL SKETCHES/DRAWINGS:
IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO FORWARD A COPY OF ALL CORRESPONDENCE AFFECTING THE STRUCTURE TO THE PROJECT'S INSPECTOR THROUGHOUT THE DURATION OF THE CONSTRUCTION.

39. ROOF MOUNTED MECHANICAL EQUIPMENT:
FRAMING/SHEATHING OF THE MECHANICAL EQUIPMENT AS WELL AS FRAMING/SHEATHING OF THE MECHANICAL EQUIPMENT AS WELL AS CONNECTIONS TO THE STRUCTURE SHALL BE DESIGNED OR TESTED TO RESIST APPLICABLE WIND PRESSURES AS REFERENCED IN THE STRUCTURAL NOTES. FOR DESIGNED UNITS: SHOP DRAWING SUBMITTAL, INCLUDING CALCULATIONS, SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA. FOR TESTED UNITS: A LABORATORY TEST REPORT SHALL BE SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA. COMPLETE INFORMATION SHALL BE PRESENTED TO THE ENGINEER AND TO THE BUILDING DEPARTMENT FOR APPROVAL PRIOR TO FINALIZING SELECTION THE OF THE UNIT.

40. SHORING AND RE-SHORING:
CONTRACTOR WILL PROVIDE SHORING AND RE-SHORING DRAWINGS, ALONG WITH RE-SHORING SCHEDULE FOR ALL ELEVATED STRUCTURAL COMPONENTS, INCLUDING BUT NOT LIMITED TO BEAMS, SLABS AND PRECAST JOIST. DRAWINGS TO BE SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL STRUCTURAL ENGINEER FOR SUBMITTAL TO THE ARCHITECT AND STRUCTURAL ENGINEER AND THE THRESHOLD INSPECTOR. NO ELEVATED WORK MAY PROCEED WITHOUT THIS SUBMITTAL. CONTRACTOR TO ALSO RETAIN SAME ENGINEER TO PROVIDE FIELD INSPECTIONS, ALONG WITH REPORTS, THAT ALL OF THE SHORING AND RE-SHORING IS COMPLETED AS PER HIS DRAWINGS AND SPECIFICATIONS, FOR EACH LEVEL OF WORK.
SHORING SCHEDULE TO PROVIDE TIME THAT SHORES MAY BE REMOVED IN ORDER TO REMOVE FORMWORK, AND SPECIFIC SEQUENCE OF THE REMOVAL OF THE SHORING AS IT PROGRESSES THRU THE HEIGHT OF THE BUILDING, WITH SUFFICIENT DETAIL AS TO THE NUMBER OF DAYS TO COMPLETE REMOVAL. ALSO, IF WOOD AND METAL SHORES ARE MIXED, THE SHORING PLANS TO NOT SPECIFY PERCENTAGES, BUT RATHER EXACT NUMBERS OF WOOD POST SHORES, METAL POST SHORES, OR METAL FRAMES. SHORING DRAWINGS TO ALSO CONTAIN DETAIL OF CONNECTION OF HEADERS AT THE TOP OF THE SHORES. NOTE: IF THESE SHORING AND RE-SHORING CONFLICT WITH ANY DIRECTIVES CONTAINED IN THE JOB SPECIFICATION, THEN THE GOVERNING GUIDELINES WILL BE THESE.

41. LIGHT GAUGE STEEL FRAMING (SHOP DRAWINGS REQUIRED):
LIGHT GAUGE STEEL FRAMING SHALL BE OF CONFIGURATION SHOWN ON STRUCTURAL AND ARCHITECTURAL DRAWINGS AND SHALL BE DESIGNED BY DELEGATED ENGINEER TO RESIST GRAVITY AND WIND LOADS. SHOP DRAWINGS, INCLUDING CALCULATIONS, SIGNED AND SEALED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF FLORIDA SHALL CLEARLY INDICATE DESIGN LOADS, MEMBER SIZES, CONNECTION DETAILS, PERMANENT BRACING AND MATERIALS USED. ALL STUDS AND TRACK 18 GA AND LIGHTER, BRIDGING AND ACCESSORIES SHALL BE FABRICATED OF STEEL CONFORMING TO ASTM A 446 GRADE A (MINIMUM YIELD STRENGTH 33 KSI). ALL STUDS AND TRACK 16 GA. AND HEAVIER SHALL BE FABRICATED OF STEEL CONFORMING TO ASTM A 446 GRADE D (MINIMUM YIELD STRENGTH 50 KSI). ALL SECTIONS SHALL BE HOT DIPPED GALVANIZED IN ACCORDANCE WITH ASTM A 525 (COATING CLASS OF G60). ALL FASTENERS SHALL BE GALVANIZED.

42. STOREFRONT SYSTEM (DELEGATED/SPECIALTY ENGINEER SUBMITTALS):
SUBMITTALS SHALL BE PREPARED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND THE FLORIDA STATUTES CHAPTER 61G15. ENGINEER'S NAME, LICENSE NUMBER AND BUSINESS ADDRESS SHALL BE LEGIBLY INDICATED ON ALL DOCUMENTS. SPECIALTY ENGINEER SHALL BE SOLELY RESPONSIBLE FOR DIRECT CONTACT WITH THE BUILDING DEPARTMENT WHILE OBTAINING BUILDING DEPARTMENT'S APPROVAL FOR HIS/HER PORTION OF WORK (INCLUDING PROVIDING RESPONSES TO REVIEW COMMENTS, SUPPLYING ADDITIONAL CALCULATIONS AND PLANS, ATTENDING MEETINGS, ETC.). DESIGN AND DETAILING OF CONNECTIONS BETWEEN ENGINEERED ITEM AND THE STRUCTURE SHALL BE BASED ON INFORMATION OBTAINED FROM STRUCTURAL DRAWINGS AND BE PROCEEDED BY THE SPECIALTY ENGINEER'S PRIOR REVIEW OF THE CAPACITY OF THE PORTION OF STRUCTURE TO WHICH THE ITEM IS BEING FASTENED. MODIFICATIONS TO THE STRUCTURE RESULTING FROM REACTIONS IMPOSED AT THE CONNECTION POINTS (GROUTING OF MASONRY, ADDITIONAL BRACING OF STRUCTURAL MEMBERS, ADDITIONAL CONCRETE TIE COLUMNS WITHIN MASONRY WALLS, ETC.) SHALL BE DESIGNED AND CLEARLY DETAILED BY THE DELEGATED ENGINEER ON THE SHOP DRAWINGS AND SUBMITTED FOR REVIEW AS PART OF THE SHOP DRAWINGS. CONTRACTOR SHALL ASSUME ALL COSTS OF ADDITIONAL LABOR AND MATERIALS ASSOCIATED WITH IMPLEMENTATION OF SUCH MODIFICATIONS (IF MODIFICATIONS ARE NOT DETAILED BY THE DELEGATED ENGINEER ON HIS/HER DRAWINGS AND ARE TO BE PREFORMED BY THE ENGINEER OF RECORD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADDITIONAL WORK PERFORMED BY THE ENGINEER OF RECORD ON AN HOURLY CHARGE BASIS). DESIGN WIND PRESSURE ON STOREFRONT AS INDICATED ON THE DRAWINGS.



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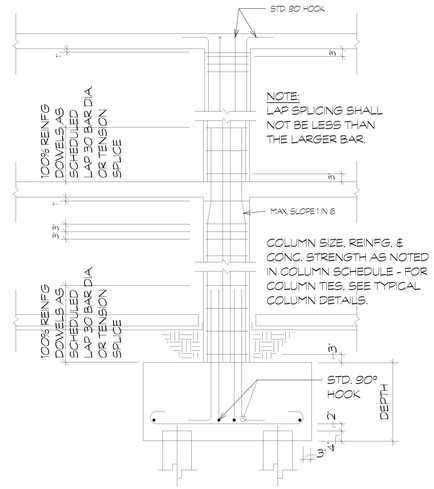

TYPICAL CONCRETE COLUMN AND PILE CAP DETAIL

B DETAIL
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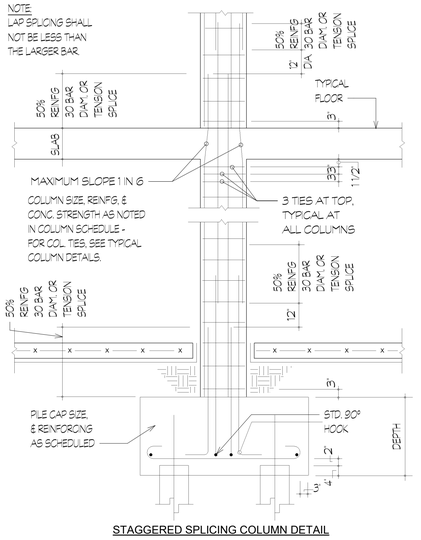

STAGGERED SPLICING COLUMN DETAIL

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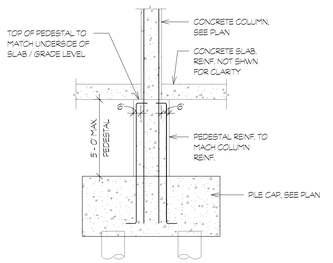

TYPICAL PEDESTAL AT COLUMN

C DETAIL
S-201 SCALE: N.T.S.

NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARS.

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GENERAL STRUCTURAL NOTES CONTINUED

S-201

STRUCTURAL THRESHOLD INSPECTION PLAN:

PART I

SCOPE OF WORK

THIS PLAN DESCRIBES WORK REQUIRED TO COMPLY WITH THE THRESHOLD LAW: CHAPTER 553 OF THE FLORIDA STATUTES. THE OWNER SHALL RETAIN A QUALFIED SPECIAL INSPECTOR TO PERFORM THE WORK DESCRIBED HEREIN. PROPOSALS FOR SPECIAL INSPECTION SERVICES SHALL BE SEPARATE AND INDEPENDENT FROM ALL OTHER PROPOSALS, FOR MATERIAL TESTING AND OTHER QUALITY ASSURANCE SERVICES. **THE ENGINEER OF RECORD MAY ACT AS THE SPECIAL INSPECTOR**. THE SPECIAL INSPECTOR SHALL VERIFY THAT THE PRIMARY STRUCTURAL FRAME (ALL THOSE MEMBERS WHICH TRANSMIT LOADS TO THE GROUND) IS CONSTRUCTED IN SUBSTANTIAL ACCORDANCE WITH THE PERMITTED OFFICIAL CONTRACT DOCUMENTS, EXCEPT AS VARIATIONS THERE FROM ARE PERMITTED IN WRITING BY THE STRUCTURAL ENGINEER OF RECORD. THIS PLAN MAY BE SUPPLEMENTED BY ADDITIONAL REQUIREMENTS OF THE MUNICPALITY (ENFORCING AGENCY) OR BY THE OWNER AS DEEMED NECESSARY DURING THE COURSE OF THE WORK. THIS DOES NOT INCLUDE INSPECTION OF ANY SAFETY PROVISIONS AS REQUIRED BY OSHA OR OTHER SAFETY STANDARDS WHICH APPLY DURING THE CONSTRUCTION PERIOD, TO ELEMENTS SUCH AS RAILINGS, FIRE PROTECTION, ROOFING, GLAZED WINDOW SYSTEMS, ARCHITECTURAL PRECAST PANELS, MECHANICAL/ELECTRICAL SYSTEMS, ARCHITECTURAL COMPONENTS, SITE WORK AND OTHER ELEMENTS NOT CONTRIBUTING TO THE CAPACITY OF THE PRIMARY STRUCTURAL BUILDING FRAME. THE OFFICIAL CONTRACT DOCUMENTS ARE DEFINED AS THE PERMITTED PLANS, RECORDED ADDENDA, PROJECT SPECIFICATIONS, AMENDMENTS AND THE STRUCTURAL INSPECTION PLAN.

QUALIFICATIONS OF THE SPECIAL INSPECTOR

1.- THE SPECIAL INSPECTOR SHALL BE A FLORIDA REGISTERED ENGINEER EXPERIENCED IN STRUCTURAL ENGINEERING AND CERTIFIED AS REQUIRED BY CURRENT LEGISLATION. THE SPECIAL INSPECTOR MAY SEND A FULL TIME EMPLOYEE AS HIS/HER AUTHORIZED REPRESENTATIVE TO THE PROJECT, BUT THAT PERSON SHALL BE EXPERIENCED AND KNOWLEDGEABLE IN THE STRUCTURAL SYSTEM BEING USED.

2.- THE SPECIAL INSPECTOR SHALL HAVE A MINIMUM OF SEVEN (7) YEARS OF EXPERIENCE IN DESIGN AND INSPECTION OF SIMILAR STRUCTURES. THE SPECIAL INSPECTOR'S REPRESENTATIVE SHALL HAVE A MINIMUM OF THREE (3) YEARS OF EXPERIENCE IN INSPECTION OF SIMILAR STRUCTURES, AND SHALL NOT BE THE SAME PERSON PERFORMING SOIL, CONCRETE OR OTHER MATERIAL TESTING OR LABORATORY SAMPLING. QUALIFICATIONS OF AN AUTHORIZED REPRESENTATIVE SHALL INCLUDE LICENSURE AS A PROFESSIONAL ENGINEER OR ARCHITECT, GRADUATION FROM AN ENGINEERING EDUCATION PROGRAM IN CIVIL OR STRUCTURAL ENGINEERING; GRADUATION FROM AN ARCHITECTURAL EDUCATION PROGRAM; SUCCESSFUL COMPLETION OF THE NCEES FUNDAMENTALS EXAMINATION; OR REGISTRATION AS BUILDING INSPECTOR OR GENERAL CONTRACTOR. RESUMES OF BOTH SPECIAL INSPECTOR AND SPECIAL INSPECTOR'S REPRESENTATIVE SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE, THE ENFORCING AGENCY HAVING JURISDICTION AND THE STRUCTURAL ENGINEER OF RECORD FOR REVIEW AND ACCEPTANCE.

3.- THE SPECIAL INSPECTOR IS TO PROVIDE THE OWNER INSURANCE CERTIFICATES FOR ALL APPLICABLE COVERAGES, INCLUDING PROFESSIONAL LIABILITY, SPECIFICALLY COVERING SUCH SPECIAL INSPECTION ASSIGNMENTS; GENERAL LIABILITY; AUTOMOBILE COVERAGE; WORKMEN'S COMPENSATION AND ANY OTHER APPROPRIATE COVERAGE.

RESPONSIBILITIES AND LIMITATIONS OF THE SPECIAL INSPECTOR

1.- THE SPECIAL INSPECTOR IS RESPONSIBLE TO THE ENFORCING AGENCY HAVING JURSDICTION FOR THIS PROJECT. THE PRESENCE OF THE SPECIAL INSPECTOR DOES NOT RELIEVE THE ENFORCING AGENCY, THE ARCHITECT OR THE STRUCTURAL ENGINEER OF RECORD OF THEIR RESPONSIBILITIES.

2 - PRIOR TO STARTING WITH THE WORK, THE SPECIAL INSPECTOR AND THE AUTHORIZED REPRESENTATIVE SHALL BECOME FAMILIAR WITH THE SPECIFIC STRUCTURAL COMPONENTS AND SYSTEMS, WHICH THE SPECIAL INSPECTOR WILL BE RESPONSIBLE FOR INSPECTING. HE/SHE IS RESPONSIBLE FOR A THOROUGH KNOWLEDGE OF THE INTENT AND CONTENT OF THE CONTRACT DOCUMENTS AND ACCEPTED SUBMITTALS RELATING TO HIS/HER INSPECTION RESPONSIBILITIES.

3.- PRIOR TO COMMENCEMENT OF ANY FIELD WORK, THE SPECIAL INSPECTOR SHALL PROVIDE A CERTIFIED AFFIDAVIT TO THE OWNER AND STRUCTURAL ENGINEER OF RECORD ATTESTING TO THE FOLLOWING:

A. HE HAS REVIEWED THE CONTRACT DOCUMENTS AND UNDERSTANDS THEIR CONTENT AND THE CONCEPT CONVEYED THEREIN.

B. HE HAS READ THE STRUCTURAL INSPECTION PLAN, UNDERSTANDS ITS INTENT AND INTENDS TO COMPLY WITH ITS REQUIREMENTS.

4.- THE SPECIAL INSPECTOR IS RESPONSIBLE FOR OBSERVING THE CONSTRUCTION OF THE PRIMARY STRUCTURAL COMPONENTS AND REPORTING TO THE CONCERNED PARTIES THAT THOSE PORTIONS OF THE STRUCTURE ARE BEING BUILT IN GENERAL CONFORMANCE WITH THE STRUCTURAL DOCUMENTS, AND IF NOT, THE LOCATION AND DESCRIPTIONS OF THOSE VARIATIONS.

5.- THE SPECIAL INSPECTOR SHALL COOPERATE WITH THE CONTRACTOR BUT SHALL NOT DIRECT THE CONTRACTOR WORK NOR BE RESPONSIBLE FOR CONSTRUCTION MEANS AND METHODS.

REPORTING

1.- THE SPECIAL INSPECTOR SHALL MAINTAIN A RECORD OF THE PROGRESS, WORKING CONDITIONS, OBSERVATIONS, TESTING, ANY REQUIRED ACTION BY THE CONTRACTOR, AND DEVIATIONS FROM THE OFFICIAL CONTRACT DOCUMENTS.

2.- IT IS THE DUTY OF THE SPECIAL INSPECTOR TO IMMEDIATELY NOTIFY THE CONTRACTOR IN PERSON, AND THE ARCHITECT AND STRUCTURAL ENGINEER OF RECORD BY TELEPHONE, OF THE FOLLOWING:

A. THE USE OF MATERIALS, TESTS, EQUIPMENT, WORKMANSHIP OR CONSTRUCTION NOT CONFORMING TO THE OFFICIAL CONTRACT DOCUMENTS.

B. CONSTRUCTION PERFORMED WITHOUT INSPECTIONS AND NOT CAPABLE OF BEING INSPECTED OR TESTED IN PLACE.

THESE EXCEPTIONS SHALL THEN BE ISSUED IN WRITING IMMEDIATELY TO THOSE LISTED ABOVE AND ATTACHED TO THE DAILY FIELD REPORTS.

3.- THE SPECIAL INSPECTOR SHALL WRITE AND SIGN A REPORT EACH DAY AN INSPECTION IS MADE. THE REPORT SHALL CONSIST OF THE FOLLOWING:

A. IDENTIFY NAME AND LOCATION OF PROJECT, NAME OF SPECIAL INSPECTOR AND SPECIAL INSPECTOR REPRESENTATIVE, PERMIT NUMBER AND DATE.

B. A DETAILED REPORT OF EACH INSPECTION, INCLUDING THE PRESENCE AND ACTIVITIES OF THE TESTING AGENCY NOTE CHANGES IN WORKING SEQUENCE OR MATERIALS AND ANY UNUSUAL CIRCUMSTANCES AFFECTING THE PERFORMANCE OR WORK. PLACE EMPHASIS ON THOSE AREAS WHERE DEFICIENCIES RECUR.

C. REVIEW AND COMMENT ON THE MATERIALS TESTING REPORTS PRIOR TO THAT DAY'S INSPECTION.

4. THE REPORT WILL BE SUPPLEMENTED WITH THE FOLLOWING, WHEN APPLICABLE:

A. SPECIAL RECORDS (WELD TESTS, WELDERS CERTIFICATE CONCRETE TESTS, ETC.).

B. INSPECTION REPORTS OF THE SHORING AND RE-SHORING ENGINEER.

C. INSPECTION REPORTS OF THE GEOTECHNICAL ENGINEER.

5.- DAILY FIELD REPORTS SHALL BE SUBMITTED ON A BI-WEEKLY BASIS TO THE ENFORCING AGENCY, OWNER'S REPRESENTATIVE, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD, UNDER A COVER LETTER SIGNED AND SEALED BY THE SPECIAL INSPECTOR.

6.- AN INSPECTION LOG SUMMARIZING ALL INSPECTIONS SHALL BE POSTED AT THE JOB SITE AND FILLED OUT EACH DAY AN INSPECTION IS MADE. IT SHALL CONTAIN, AS A MINIMUM: PROJECT NAME, LOCATION, PERMIT NUMBER, SPECIAL INSPECTOR'S NAME, OWNER, CONTRACTOR, DATE OF INSPECTION, CONSTRUCTION PHASE, WORK DESCRIPTION, COMMENTS, APPROVED OR REJECTED.

7.- UPON COMPLETION OF THE BUILDING AND PRIOR TO THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY, THE SPECIAL INSPECTOR SHALL SUBMIT TO THE ENFORCING AGENCY, OWNER, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD A SIGNED AND SEALED STATEMENT STATING THAT THE PART OF THE PROJECT UNDER HIS INSPECTION RESPONSIBILITIES HAS BEEN CONSTRUCTED IN SUBSTANTIAL ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS. THIS STATEMENT SHALL BE IN ACCORDANCE WITH SECTION 553.79(7) A OF THE FLORIDA STATUTES.

8.- SINCE THE SPECIAL INSPECTOR DOES NOT CERTIFY THAT THE OFFICIAL CONTRACT DOCUMENTS ARE IN COMPLIANCE WITH THE GOVERNING CODES, ALL STATEMENTS ISSUED WILL REFER TO COMPLETED WORK IN SUBSTANTIAL ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS.

CONTRACTOR REQUIREMENTS

1.- THE CONTRACTOR SHALL COOPERATE WITH AND ASSIST THE SPECIAL INSPECTOR IN PERFORMING HIS INSPECTION DUTIES AS SPECIFIED HEREIN. THE SPECIAL INSPECTOR SHALL HAVE FREE ACCESS TO THE PROJECT AT ALL TIMES.

2.- THE CONTRACTOR SHALL ADVISE THE SPECIAL INSPECTOR, IN ADVANCE, OF CONSTRUCTION SCHEDULES AND PLANNED OPERATIONS IN ORDER TO ASSURE TIMELY AND APPROPRIATE OBSERVATION AND INSPECTION OF ITEMS SPECIFIED HEREIN. THE MINIMUM NOTICE GIVEN THE SPECIAL INSPECTOR SHALL BE 24 HOURS PRIOR TO THE TIME OF THE INSPECTION.

3.- THE CONTRACTOR SHALL FURNISH IN A TIMELY MANNER TO THE SPECIAL INSPECTOR, COPIES OF ALL REVIEWED AND ACCEPTED SUBMITTALS (INCLUDING BUT NOT LIMITED TO REVISED DRAWINGS, SHOP DRAWINGS, SUPPLEMENTAL SKETCHES, CORRESPONDENCE, ETC, EXCLUDING CALCULATIONS) FOR THE STRUCTURAL ELEMENTS OF THE PROJECT.

4.- THE CONTRACTOR SHALL PROVIDE THE SPECIAL INSPECTOR WITH OFFICE FACILITIES AT THE CONSTRUCTION SITE TO ACCOMMODATE HIS NEEDS. AS A MINIMUM, THIS OFFICE IS TO BE EQUIPPED WITH THE FOLLOWING ITEMS: DESK, CHAIR, PLAN TABLE, PLAN RACK, FILING CABINET, TELEPHONE, UTILITIES, AIR CONDITIONING AND JANITORIAL SERVICES.

5.- SPECIAL INSPECTIONS DO NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO COMPLY WITH THE CONTRACT DOCUMENTS, ANY STATUTORY OR CONTRACTUAL OBLIGATIONS, NOR HIS RESPONSIBILITIES TO CARRY OUT HIS QUALITY CONTROL INSPECTIONS AND TESTING. THE CONTRACTOR HAS THE SOLE RESPONSIBILITY FOR ANY DEVIATIONS FROM THE OFFICIAL CONTRACT DOCUMENTS AND THE COSTS OF RECTIFYING THOSE DEVIATIONS.

6.- WORK WHICH IS IN NON-COMPLIANCE WITH THE OFFICIAL CONTRACT DOCUMENTS MAY BE CORRECTED BY THE CONTRACTOR OR THE CONTRACTOR MAY SUBMIT TO THE ARCHITECT/ ENGINEER A REQUEST FOR ACCEPTANCE OF THE DEVIATION.

7.- CONSTRUCTION PERFORMED WITHOUT INSPECTION AND THAT IS UNABLE TO BE INSPECTED MAY REQUIRE TESTING OR REMOVAL AS DETERMINED BY THE STRUCTURAL ENGINEER OF RECORD AND SPECIAL INSPECTOR.

8.- THE SPECIAL INSPECTOR CANNOT MAKE THE REQUIRED COMPLETION STATEMENT AND THE BUILDING WILL NOT RECEIVE A CERTIFICATE OF OCCUPANCY IF WORK IS NOT IN SUBSTANTIAL ACCORDANCE WITH THE OFFICIAL CONTRACT DOCUMENTS, OR IF CONSTRUCTION IS PERFORMED WITHOUT INSPECTION AND IS UNABLE TO BE INSPECTED.

9.- INSTALLATION OF ALL SHORING AND RE-SHORING SHALL BE IN ACCORDANCE WITH THE SIGNED AND SEALED SHORING AND RE-SHORING DRAWINGS PREPARED BY THE DELEGATED SHORING ENGINEER (SEE STRUCTURAL NOTES FOR COMPLETE REQUIREMENTS). THE DELEGATED SHORING ENGINEER OR HIS AUTHORIZED REPRESENTATIVE SHALL INSPECT AND ENSURE THAT THE DRAWING REQUIREMENTS AND SPECIFICATIONS ARE ADHERED TO, AND PROVIDE HIS WRITTEN REPORT TO THE SPECIAL INSPECTOR PRIOR TO ALL CONCRETE POURS. THE SPECIAL INSPECTOR IS TO VERIFY THAT THE INSPECTION IS PERFORMED.

REQUIREMENTS OF THE OWNER

1.- THE OWNER SHALL ARRANGE FOR ALL NECESSARY CONTRACT DOCUMENTS, INCLUDING TWO COMPLETE SETS OF ARCHITECTURAL AND STRUCTURAL DOCUMENTS FOR THE PROJECT, INCLUDING ALL DRAWINGS AND SPECIFICATIONS, THE GEOTECHNICAL REPORT AND MATERIALS TEST REPORTS, TO BE FURNISHED TO THE SPECIAL INSPECTOR DURING THE PROGRESS OF THE WORK IN A TIMELY MANNER. PROVIDE THE SPECIAL INSPECTOR WITH TWO COPIES OF ALL STRUCTURAL CHANGES, REVISIONS, ADDENDA, ETC.

2. THE OWNER SHALL ENSURE THAT THE CONTRACTOR PROVIDES TO THE ENFORCING AGENCY, ARCHITECT, STRUCTURAL ENGINEER OF RECORD AND THE SPECIAL INSPECTOR A SHORING AND RE-SHORING PLAN WHICH IS SIGNED AND SEALED BY A DELEGATED ENGINEER REGISTERED IN THE STATE OF FLORIDA.

3. THE OWNER SHALL ENSURE THAT A QUALIFIED TESTING AGENCY IS RETAINED. SEE CONTRACT DOCUMENTS FOR REQUIREMENTS.

4. THE OWNER SHALL ENSURE THAT A GEOTECHNICAL CONSULTANT IS RETAINED TO CONFIRM THAT THE SPECIFIED FOUNDATION PREPARATION IS PERFORMED.

PART II

GENERAL

THE FOLLOWING IS A GENERAL INSPECTION PLAN DESCRIBING WORK TO BE PERFORMED BY THE SPECIAL INSPECTOR. THE INTENT IS TO DESCRIBE MINIMUM LEVELS NECESSARY TO CONFIRM THAT WORK COMPLIES WITH THE DESIGN DOCUMENTS. THE FOLLOWING ARE NOT INSPECTOR CHECK LISTS BUT POINT OUT SOME CRITICAL AREAS REQUIRING SPECIFIC ATTENTION BY THE SPECIAL INSPECTOR.

FOLLOWING IS A DESCRIPTION OF THE STRUCTURAL SYSTEM EMPLOYED FOR THE PROJECT:

SPECIAL CONDITIONS/CRITICAL COMPONENTS

FOUNDATIONS

1.- SHALLOW FOUNDATIONS:

A. THE GEOTECHNICAL CONSULTANT RETAINED BY THE OWNER WILL INSPECT SHALLOW FOUNDATIONS AND ALL FOOTING AREAS TO CONFIRM THAT SPECIFIED DESIGN SOIL CAPACITIES ARE MET. THE GEOTECHNICAL CONSULTANT WILL FURNISH THE SPECIAL INSPECTOR WITH DAILY REPORTS AS WELL AS A SUMMARY REPORT, SIGNED AND SEALED BY A FLORIDA P.E., STATING THAT THE FOUNDATION PREPARATION WAS COMPLETED ACCURATELY AND COMPLETELY SO AS TO ALLOW THE FOUNDATION TO FUNCTION AS INTENDED.

B. THE TESTING AGENCY RETAINED BY THE OWNER WILL MONITOR AND TEST BACKFILL AND COMPACTION OPERATIONS. THE TESTING AGENCY WILL SUBMIT A COPY OF REPORTS ON THESE OPERATIONS TO THE SPECIAL INSPECTOR, SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER.

2. DEEP FOUNDATIONS:

A. THE GEOTECHNICAL CONSULTANT RETAINED BY THE OWNER WILL INSPECT AND LOG ALL PILE INSTALLATIONS FOR COMPLIANCE WITH THE PROJECT DOCUMENTS. THE SPECIAL INSPECTOR SHALL REVIEW THE PILE LOGS PRIOR TO POURING PILE CAPS AND GRADE BEAMS TO CONFIRM THAT THE PILES WERE ACCEPTED BY THE GEOTECHNICAL CONSULTANT.

B. THE SPECIAL INSPECTOR SHALL REVIEW THE PILE SURVEY AND CONFIRM THAT THE PILES ARE POSITIONED WITHIN THE SPECIFIED TOLERANCE AND, IF NOT, VERIFY THAT THE STRUCTURAL ENGINEER OF RECORD HAS ACCEPTED THE DEVIATION OR REQUIRED REPAIRS AND THAT THOSE REPAIRS HAVE BEEN PROPERLY IMPLEMENTED.

1. AN AS BUILT SURVEY OF PILE AT CUT OFF LOCATIONS SHALL BE PERFORMED BY A FLORIDA REGISTERED LAND SURVEYOR. AS BUILT DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
2. NO PILE CAP SHALL BE CAST UNTIL LAYOUT OF PILES IS APPROVED.

C. THE SPECIAL INSPECTOR SHALL CONFIRM THAT THE PILES HAVE THE SPECIFIED EMBEDMENT AND STEEL EXTENSION INTO THE PILE CAP OR GRADE BEAM, AND HAVE THE SPECIFIED EDGE DISTANCE TO THE PILE CAP OR GRADE BEAM.

3. PILE CAPS AND GRADE BEAMS:

A. CHECK CONFIGURATION AND PLACEMENT OF REINFORCEMENT FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS. OBSERVE THAT CLEARANCES ARE PROPERLY MAINTAINED.

B. CHECK DOWEL AND LAP SPLICE LENGTHS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.

C. OBSERVE CONCRETE PLACEMENT AS OUTLINED IN THE CAST-IN-PLACE CONCRETE SECTION OF THIS INSPECTION PLAN.

REINFORCED CONCRETE

1.- THE CONTRACTOR IS TO NOTIFY THE SPECIAL INSPECTOR A MINIMUM OF 24 HOURS PRIOR TO THE PLACEMENT OF ANY STRUCTURAL CONCRETE.

2.- REINFORCING STEEL:

A. USING THE STRUCTURAL DRAWINGS, INSPECT GRADE, SIZE, QUANTITY, CONFIGURATION AND SPACING OF REINFORCING FOR COMPLIANCE WITH THE STRUCTURAL DRAWINGS SUPPLEMENTED WITH SHOP DRAWINGS, PRIOR TO CONCRETE PLACEMENT REPORT ANY NOTED CONFLICT AND CONFIRM THAT CORRECTIONS ARE MADE BEFORE CONCRETE IS POURED.

B. CHECK MINIMUM CLEARANCE REQUIREMENTS FROM CONCRETE SURFACES.

C. CHECK THAT REINFORCING IS ADEQUATELY SUPPORTED AND TIED TO RESIST DISPLACEMENT OR SHIFTING DURING POUR.

D. CHECK THAT REBAR SURFACES ARE FREE OF EXCESS RUST OR OTHER COATINGS THAT MAY ADVERSELY AFFECT BONDING CAPACITY. IF OILING OF FORMS IS REQUIRED, CHECK THAT IT IS APPLIED BEFORE REINFORCING IS PLACED.

E. CHECK SPLICE LOCATIONS AND REQUIRED LENGTH OF LAP. CHECK THAT THE ACCEPTED MECHANICAL COUPLERS ARE PROPERLY INSTALLED PER MANUFACTURER'S SPECIFICATIONS. REPORT ANY DEVIATIONS FROM THE CONTRACT DOCUMENTS BEFORE CONCRETE IS CAST AND CONFIRM THAT CORRECTIONS ARE MADE.

F. CHECK INSTALLATION OF HOOKED BARS FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS.

3.- COLUMNS:

INSPECT REINFORCING STEEL, DOVETAIL SLOTS AND OTHER EMBEDDED ITEMS. CHECK THE SPACING, ESPECIALLY DOUBLE TIES AND TIES AT DEEP BEAM INTERSECTIONS.

4.- BEAMS:

INSPECT REINFORCING STEEL. CHECK STIRRUP SPACING, INCLUDING LOCATION OF FIRST STIRRUP. CHECK FOR HOOKED BOTTOM BARS. CHECK THAT HOOKED BARS EXTEND TO FAR FACE OF SUPPORT.

5.- ONE WAY SLABS:

INSPECT REINFORCING STEEL, INCLUDING TEMPERATURE STEEL. CHECK THAT HOOKED BARS EXTEND TO FAR FACE OF SUPPORT.

6.- TWO WAY SLABS:

INSPECT REINFORCING STEEL. CHECK FOR PROPER LAYERING. CHECK PLACEMENT OF TOP BARS THROUGH COLUMN STRIP FOR UNIFORM SPACING (BARS ARE NOT TO BE TIED TOGETHER).CHECK THAT ADDED TOP BARS ARE PLACED WITHIN THE VICINITY OF THE COLUMN. CHECK THAT ADDED BOTTOM BARS EXTEND TO FACE OF COLUMN, UNLESS OTHERWISE SHOWN ON CONTRACT DOCUMENTS, AND THAT THEY ARE WITHIN THE COLUMN STRIP. CHECK HOOK BAR REQUIREMENTS, BOTH TOP AND BOTTOM. CHECK THAT HOOKS ARE PLACED AT FAR FACE OF SUPPORT. CHECK POSITION OF BARS AT SLAB OFFSETS AND DEPRESSIONS.

7.- POST-TENSIONING:

A. REVIEW THE FOLLOWING ITEMS AS PLACED FOR COMPLIANCE WITH THE CONTRACT DOCUMENTS AND THE SHOP DRAWINGS:

1. LAYOUT OF TENDONS.
2. NUMBER, SIZE, AND SPACING OF TENDONS.
3. TENDON PROFILE AND SPACING OF TENDON SUPPORT BARS.
4. BURSTING STEEL AT ANCHORAGE ENDS AND CORNERS.
5. TENDON SHEATING.
6. LOCATION, SIZE, TYPE, AND PLACEMENT OF ALL END AND INTERMEDIATE ANCHORAGES AND INSERTS REQUIRED FOR STRESSING.

B. SPECIFIC ATTENTION AND EMPHASIS SHALL BE PLACED ON THE REVIEW OF HORIZONTAL AND VERTICAL PROFILES AROUND OPENINGS.

C. STRESSING RECORD IS TO BE RECORDED BY INDEPENDENT LABORATORY OR INDEPENDENT ENGINEER. ENGINEER OF RECORD AND POST TENSION SUPPLIER IS TO APPROVE STRESSING RECORD BEFORE CUTTING OFF TENDONS OR CONTINUING WITH NEXT POUR WITH SAME TENDON. VERIFICATION OF CUTTING AND CAPPING OF TENDON END TAILS AND GROUTING OF POCKETS TO BE PERFORMED BY SAME INDEPENDENT ENGINEER/LABORATORY. CUTTING TENDON END TAILS WITH OXYGEN/ACETYLENE TORCH IS NOT PERMITTED.

8.- CHECK THAT EXPANSION JOINT MATERIAL, ANCHORS AND OTHER EMBEDDED ITEMS ARE CORRECT AND HAVE BEEN POSITIONED AND SECURED IN PLACE SO THAT DISPLACEMENT IS NOT POSSIBLE.

A. CHECK THAT CONDUITS PLACED IN THE SLAB ARE REASONABLY SPACED TO ENSURE INTEGRITY OF THE SLAB.

B. CONFIRM THAT LOAD CARRYING EMBEDDED ITEMS ARE PLACED IN COMPLIANCE WITH THE CONTRACT DOCUMENTS. RELOCATION OF EMBEDDED ITEMS IN CONFLICT WITH REINFORCING WILL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE ARCHITECT/ENGINEER.

9.- CHECK THAT CONSTRUCTION JOINTS, INCLUDING DOWELS, KEYS AND BULKHEADS, ARE IN CONFORMANCE WITH THE CONTRACT DOCUMENTS. REVIEW THE LOCATION OF CONSTRUCTION JOINTS IN BEAMS AND SLABS FOR COMPLIANCE WITH THE CONSTRUCTION JOINT LOCATION PLAN SUBMITTED BY THE CONTRACTOR TO THE ENGINEER.

10. OPENINGS:

A. REPORT ALL SLAB OPENINGS LARGER THAN 12" AND NOT SHOWN ON THE CONTRACT DOCUMENTS TO THE ARCHITECT/ENGINEER. CHECK PLACEMENT OF ADDITIONAL REINFORCEMENT AROUND OPENINGS. NO SLEEVES OR OPENINGS WILL BE PERMITTED IN BEAMS WITHOUT PRIOR APPROVAL OF THE ENGINEER.

CAST IN PLACE:

1.- CHECK THAT ALL FOREIGN MATERIAL HAS BEEN REMOVED FROM SPACES WHICH CONCRETE IS TO OCCUPY.

2.- THE SPECIAL INSPECTOR SHALL BE ON SITE WHEN CONCRETE IS BEING PLACED. OBSERVATIONS BY THE SPECIAL INSPECTOR SHALL INCLUDE, BUT NOT BE LIMITED TO, VERIFICATION OF THE FOLLOWING:

A. TESTING AGENCY IS ON SITE AND THAT MIXING TIME, TEMPERATURE AND SLUMP, ARE AS SPECIFIED. CHECK THAT ADDITION OF WATER TO THE CONCRETE MIX IN THE FIELD IS BASED ON THE GUIDELINES SET FORTH IN THE CONTRACT DOCUMENTS.

B. THE CONCRETE AS DELIVERED TO THE PROJECT SITE IS AS SPECIFIED FOR THAT PORTION IN WHICH PLACEMENT IS TO OCCUR.

C. CONCRETE IS BEING CONVEYED FROM MIXER TO PLACE OF FINAL DEPOSIT BY RECOGNIZED INDUSTRY STANDARDS. CONCRETE IS BEING DEPOSITED CONTINUOUSLY, OR IN LAYERS OF SUCH THICKNESS THAT NO CONCRETE WILL BE DEPOSITED ON CONCRETE WHICH HAS HARDENED SUFFICIENTLY TO CAUSE THE FORMATION OF SEAMS OR PLANES OF WEAKNESS WITHIN THE AREA OF PLACEMENT.

D. CONCRETE IS BEING CONSOLIDATED AND THOROUGHLY WORKED AROUND REINFORCEMENT, EMBEDDED ITEMS AND INTO CORNERS OF FORMS, ELIMINATING AIR OR STONE POCKETS WHICH MAY CAUSE HONEY COMBING, PITTING OR PLANES OF WEAKNESS.

E. CURING PROCEDURES ARE AS PER CONTRACT DOCUMENTS, ACI 308, "STANDARD PRACTICE FOR CURING CONCRETE" AND OTHER RECOGNIZED INDUSTRY STANDARDS.

3.- AFTER THE FORMWORK HAS BEEN REMOVED, INSPECT CONCRETE SURFACES FOR HONEYCOMBING AND VOIDS.

MASONRY

THE SPECIAL INSPECTOR SHALL OBSERVE INSTALLATION TECHNIQUES OF ALL REINFORCED MASONRY (MASONRY NOT ENCLOSED WITHIN STRUCTURAL ENVELOPE OF THE BUILDINGS; EG. EXTERIOR WALLS, WALLS INSIDE PARKING GARAGES, ETC.). UNITS USED INCLUDING SIZE, STRENGTH AND WEIGHT; MORTAR AND GROUT TYPE AND MIXING; PLACEMENT OF REINFORCING.

STEEL, INCLUDING HORIZONTAL REINFORCEMENT, INSERTS, ANCHORS, AND OTHER STRUCTURALLY RELATED ASPECTS. CHECK CLEANOUT AREAS. CHECK THAT CELLS TO BE REINFORCED ARE CLEAN AND FREE OF ALL FOREIGN MATERIAL. DURING GROUTING, CHECK THAT ALL CELLS ARE FILLED SOLID AND, AFTER COMPLETION, IF IN DOUBT, TEST WITH A HAMMER TO VERIFY THAT CELLS ARE FILLED SOLID.

WINDOWS, GLASS DOORS, STOREFRONTS, BALCONY RAILINGS, STAIR RAILINGS AND GUARD RAILS

AN INDEPENDENT ENGINEER HIRED BY OWNER THAT SPECIALIZES IN WINDOWS, GLASS DOORS, STAIR RAILINGS AND GUARD RAILS SHALL OBSERVE INSTALLATION VERIFYING COMPLIANCE WITH SUBMITTALS AND APPROVED SHOP DRAWINGS, VERIFY SIZE AND QUANTITY OF FASTENERS. THE INDEPENDENT ENGINEER AT THE END OF THE PROJECT WILL ISSUE A SIGNED AND SEALED LETTER STATING THAT THE INSTALLATION OF THE INSPECTED ITEMS WERE INSTALLED AS PER APPROVED AND PERMITTED SET OF SHOP DRAWINGS.

PART III

MATERIALS TESTING

ALL TESTING REQUIREMENTS AS DEFINED IN THE CONTRACT DOCUMENTS SHALL BE ADHERED TO, WITH COPIES OF RESULTS FORWARDED TO THE SPECIAL INSPECTOR. PRIOR TO EACH INSPECTION THE SPECIAL INSPECTOR SHALL REVIEW ALL MATERIAL TESTS AND REPORT ON THEIR RESULTS. THE SPECIAL INSPECTOR MAY REQUEST THE OWNER'S REPRESENTATIVE TO AUTHORIZE ADDITIONAL TESTS IF REQUIRED BY UNFORESEEABLE EVENTS OR CONDITIONS. ALL MATERIALS TESTING MUST BE EXECUTED BY QUALIFIED LABORATORIES AND TESTING FIRMS.

SUBMITTALS

1.- GENERAL

CONTRACTOR MUST SUBMIT ONE COPY OF ALL STRUCTURAL SUBMITTALS (EXCLUDING CALCULATIONS) TO THE SPECIAL INSPECTOR FOR HIS RECORD AND USE. ALL SUBMITTALS SHALL BE REVIEWED AND ACCEPTED BY THE CONTRACTOR, ARCHITECT AND STRUCTURAL ENGINEER OF RECORD, AND SHALL CONTAIN APPROPRIATE EVIDENCE OF SUCH, PRIOR TO TRANSMITTING TO THE SPECIAL INSPECTOR.

2. THE SPECIAL INSPECTOR SHALL REVIEW AND BECOME FAMILIAR WITH ALL SUBMITTALS.

3. AS A MINIMUM THE FOLLOWING SHALL BE PROVIDED TO THE SPECIAL INSPECTOR:

A. SHORING AND RE-SHORING

SHORING AND RE-SHORING DRAWINGS AND FIELD REPORTS, SIGNED AND SEALED BY THE DELEGATED ENGINEER, SHALL BE FURNISHED TO THE SPECIAL INSPECTOR PRIOR TO PLACEMENT OF ANY CONCRETE OR STRUCTURAL ELEMENT WHICH IS DEPENDENT ON SUCH SHORING/RESHORING.

B. REINFORCING STEEL:

FABRICATION AND PLACEMENT DRAWINGS AND BAR LISTS.

C. CONCRETE MIX DESIGNS:

COPIES OF CONCRETE MIX DESIGNS FOR ALL PROPOSED STRENGTHS AND GRADES.

D. LOAD BEARING MASONRY:

TEST REPORT SHOWING ALL APPLICABLE DATA, INCLUDING UNIT GRADES, FOR MASONRY UNITS AND DESIGN MIXES FOR MORTAR AND GROUT.

A. POST-TENSION:

LATEST POST-TENSION SHOP DRAWINGS TO BE USED AS FIELD USE AND APPROVED BY ENGINEER OF RECORD WITH NO COMMENTS.

G. MISCELLANEOUS METALS:

FABRICATION AND ERECTION DRAWINGS FOR ALL STRUCTURAL METALS, SUCH AS EMBEDDED ANCHORS, CONNECTION PLATES, HANGERS, PRE-FABRICATED STEEL STAIRS, CATWALKS, ETC.

H. (OPTIONAL) LIGHTGAGE FRAMING: CURTAIN WALLS

LIGHTGAGE FRAMING SHOP AND ERECTION DRAWINGS.

4.- ALTERNATES:

ALTERNATES WHICH ARE ACCEPTED SHALL BE PROVIDED TO THE SPECIAL INSPECTOR AS THEY BECOME AVAILABLE.

NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARS.

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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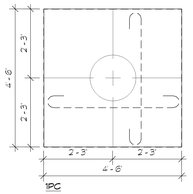
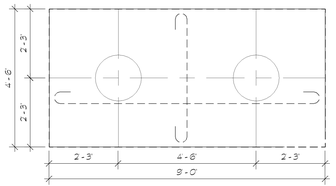
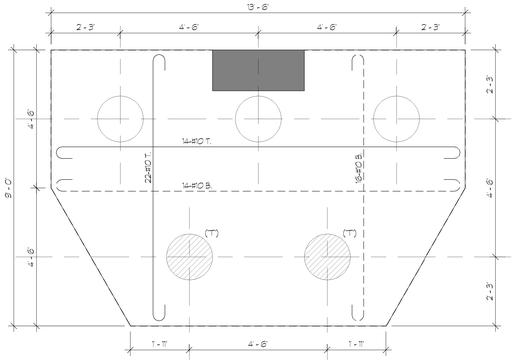
PILE CAP DETAILS



1PC
DEPTH = 48'
6-#8 BOTT. HOOKED EACH WAY
18" DIAMETER PILES



2PC
DEPTH = 54'
9-#9 BOTT. HOOKED, LONG WAY
11-#9 BOTT. HOOKED, SHORT WAY
18" DIAMETER PILES



5PC SP
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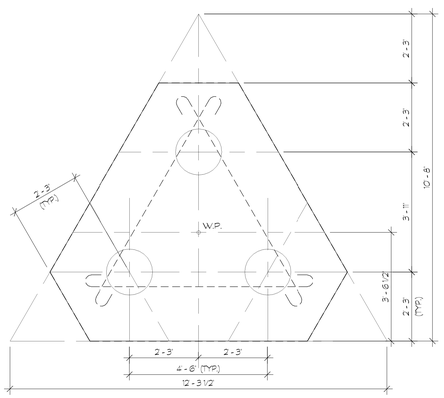
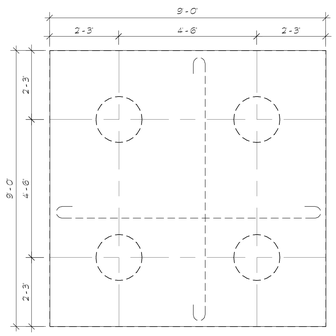
18" DIAMETER PILES



3PC
DEPTH = 56'
12-#8 BOTT. HOOKED, 3 WAYS
18" DIAMETER PILES



4PC
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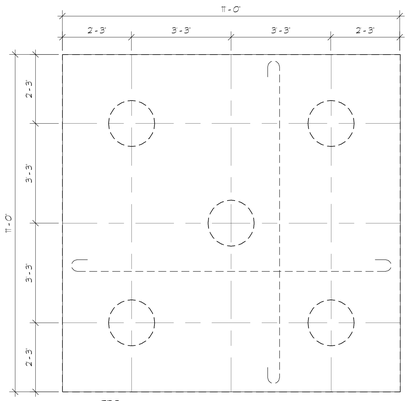
16-#9 BOTTOM HOOKED, EACH WAY
18" DIAMETER PILES



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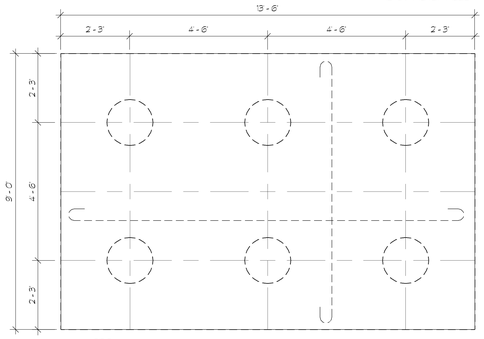
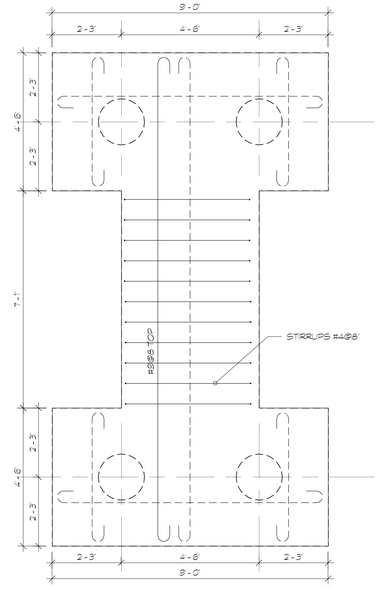
18-#10 BOTTOM HOOKED, EACH WAY
18" DIAMETER PILES



6PC
DEPTH = 64'
15-#11 BOTTOM HOOKED, LONG WAY
14-#11 BOTTOM HOOKED, SHORT WAY
18" DIAMETER PILES



4PC SP
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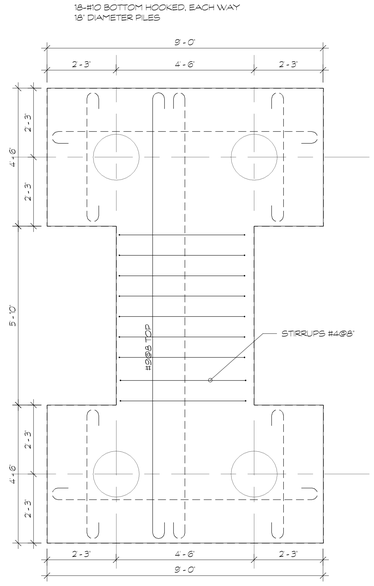
18" DIAMETER PILES



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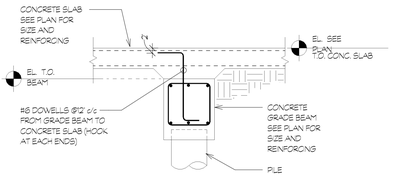
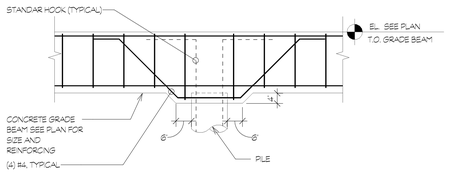


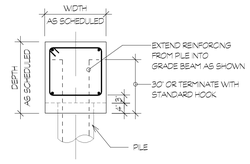
TYPICAL GRADE BEAM TO STRUCTURAL SLAB CONNECTION

J DETAIL
S-202 / SCALE: N.T.S.



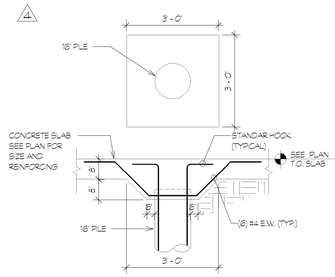
TYPICAL PILE TO GRADE BEAM CONNECTION

H DETAIL
S-202 / SCALE: N.T.S.



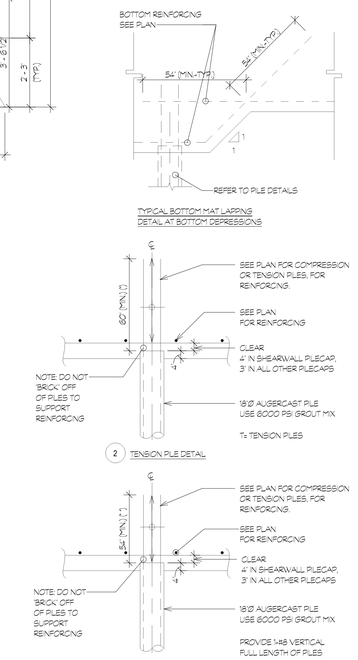
TYPICAL PILE TO GRADE BEAM DETAIL
(IF APPLICABLE)

F DETAIL
S-202 / SCALE: N.T.S.



TYPICAL PILE TO SLAB CONNECTION

G DETAIL
S-202 / SCALE: N.T.S.



E DETAIL
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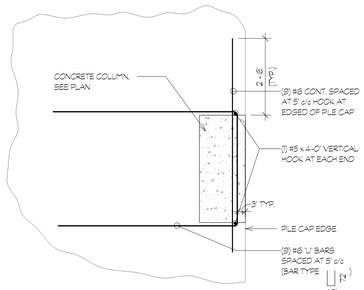
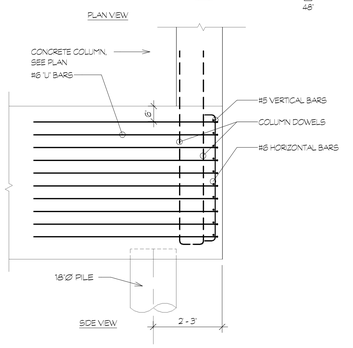


PLAN VIEW



K DETAIL
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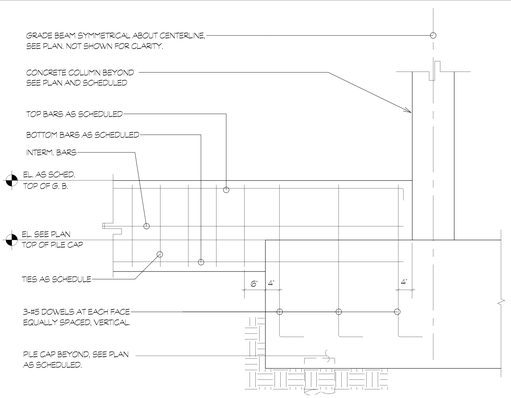
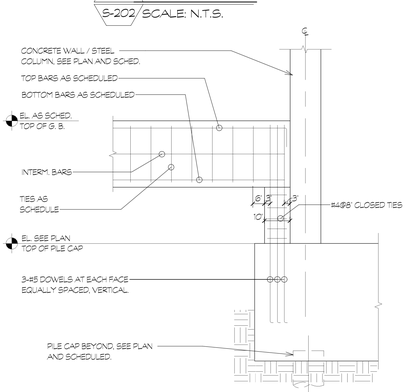
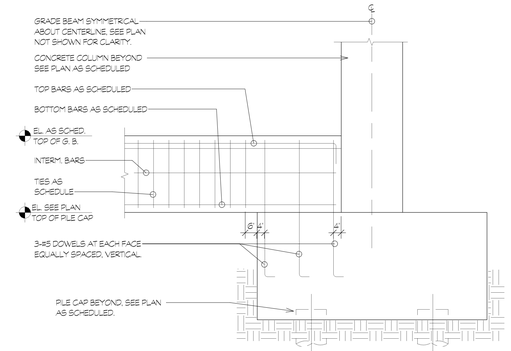


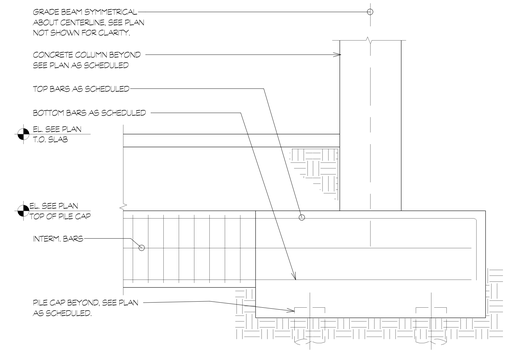
D DETAIL — PILE CAP TO GRADE BEAM CONNECTION DETAIL
S-202 / SCALE: N.T.S.



C DETAIL — PILE CAP TO GRADE BEAM CONNECTION DETAIL
S-202 / SCALE: N.T.S.



B DETAIL — PILE CAP TO GRADE BEAM CONNECTION DETAIL
S-202 / SCALE: N.T.S.



PILE CAP TO GRADE BEAM CONNECTION DETAIL

A DETAIL
S-202 / SCALE: N.T.S.

NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARDS.

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AIDA M. ALBAISA P.E.
Reg. No. 0045130
This item has been digitally signed & sealed by Aida M. Albaisa, P.E. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33140

10/28/2025 10:00:35 AM

Project Number
2312

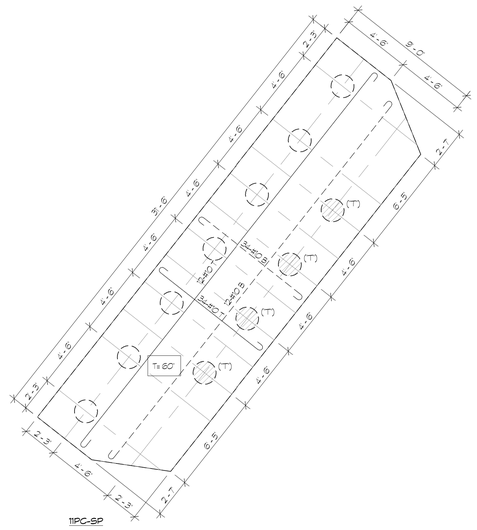
DISTRIBUTION
08-01-24

REV	DESCRIPTION	DATE
1	REVISION	11/8/24
4	PLAN REVIEW	06/30/25

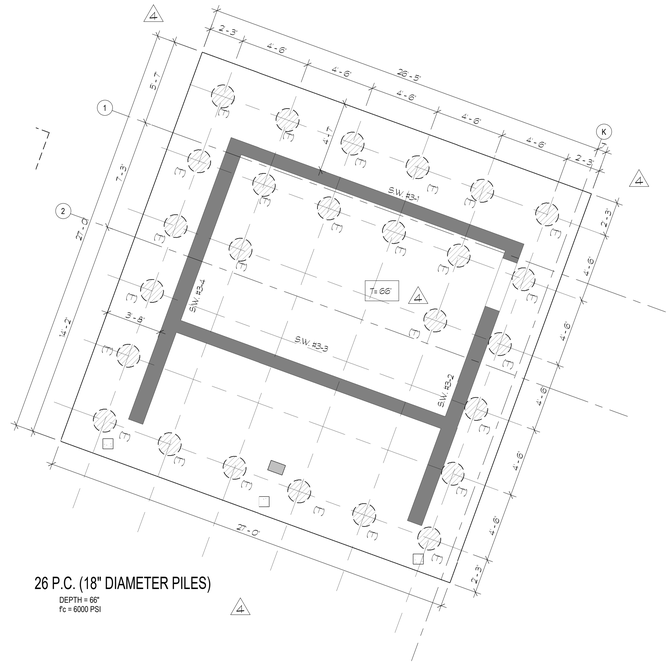
PILE CAP DETAILS AND TYPICAL DETAILS

S-202

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

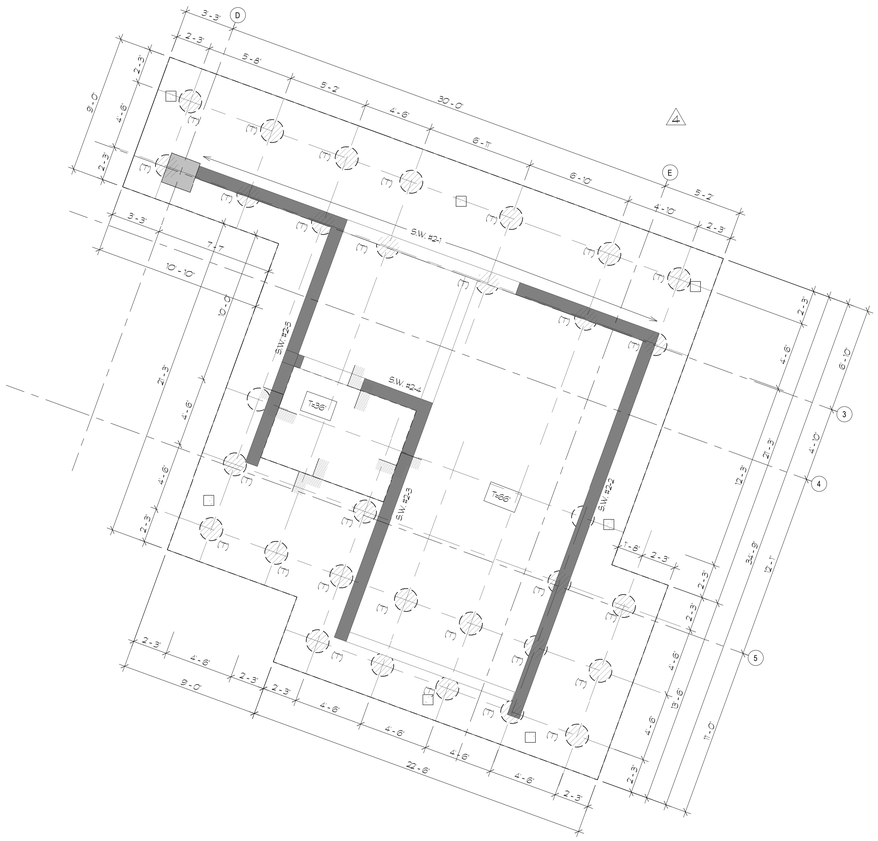


4 **11PC-SP**
S-203 Scale: 1/4" = 1'-0"



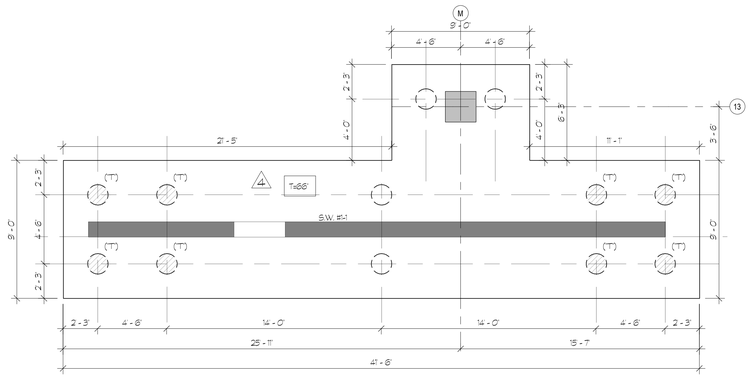
26 P.C. (18" DIAMETER PILES)
DEPTH = 66"
f'c = 6000 PSI

3 **SHEARWALL #3 PILE CAP PLAN**
S-203 Scale: 1/4" = 1'-0"



2 **SHEARWALL #2 PILE CAP PLAN**
S-203 Scale: 1/4" = 1'-0"

32 P.C. (18" DIAMETER PILES)
DEPTH = 66" / 36"
f'c = 6000 PSI



1 **SHEARWALL #1 PILE CAP PLAN**
S-203 Scale: 1/4" = 1'-0"

12 P.C. (18" DIAMETER PILES)
DEPTH = 66"
f'c = 6000 PSI

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SHEARWALLS PILE CAP PLAN

S-203

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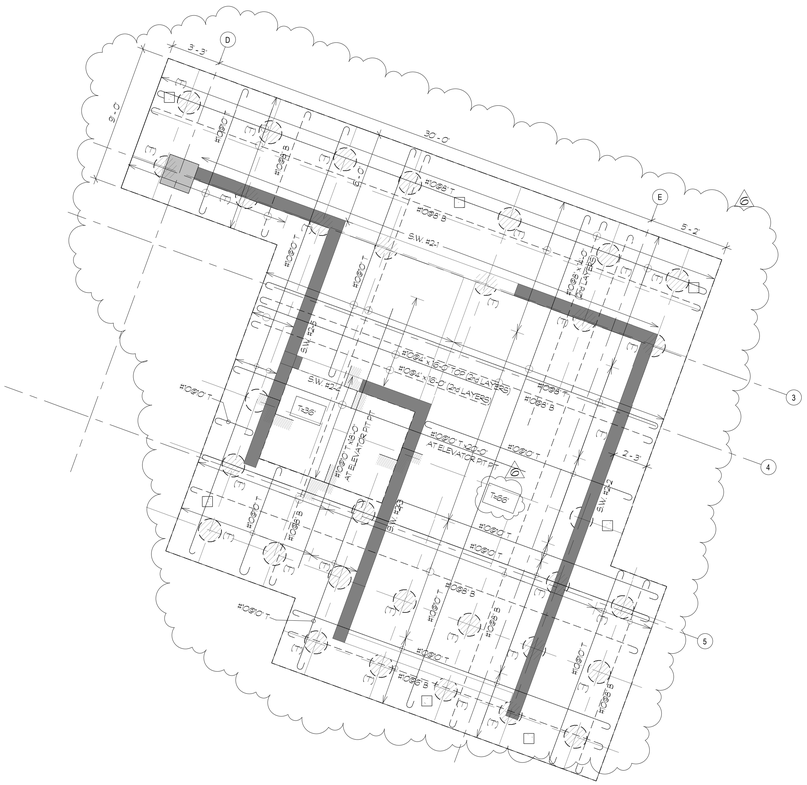
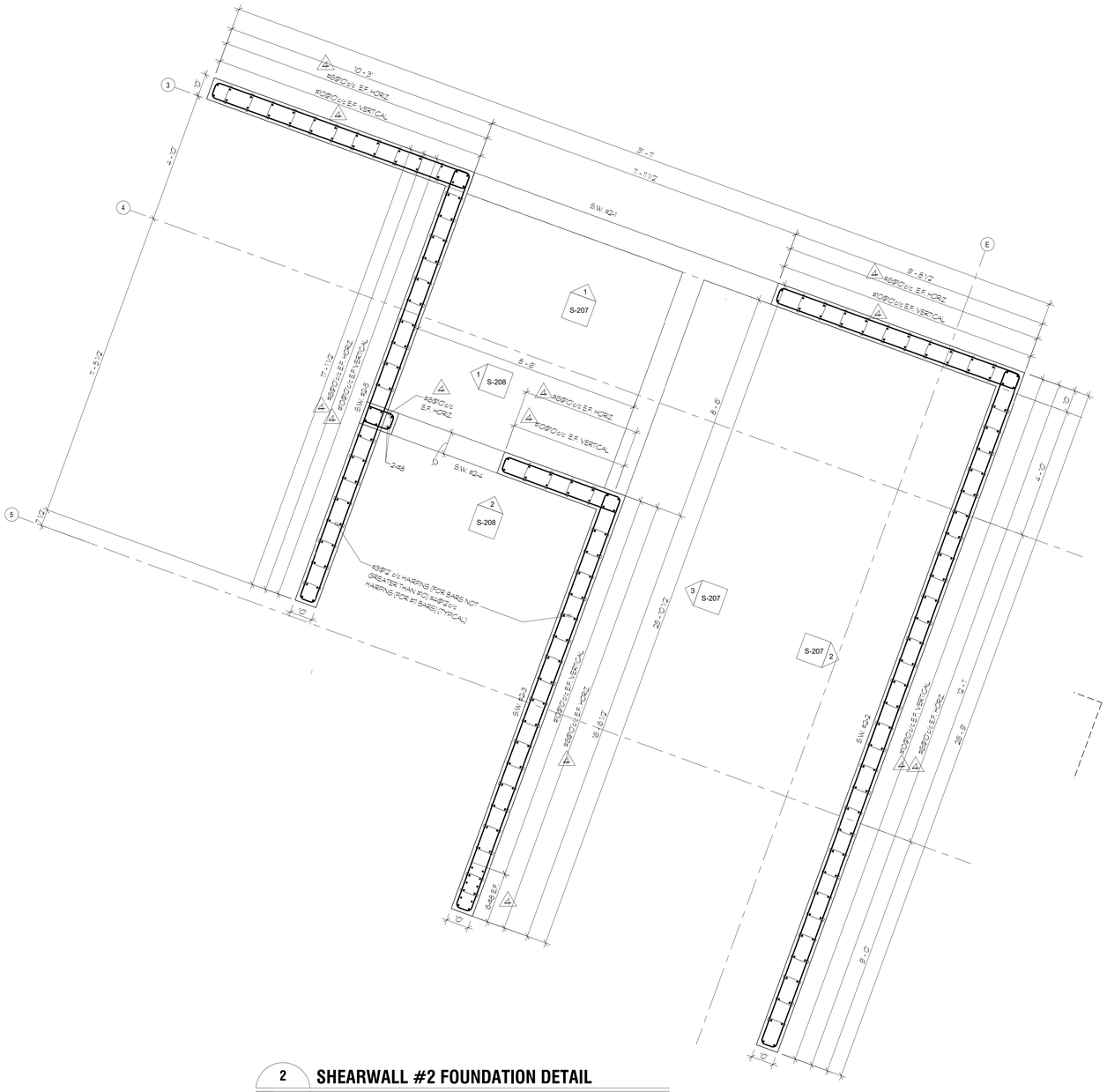
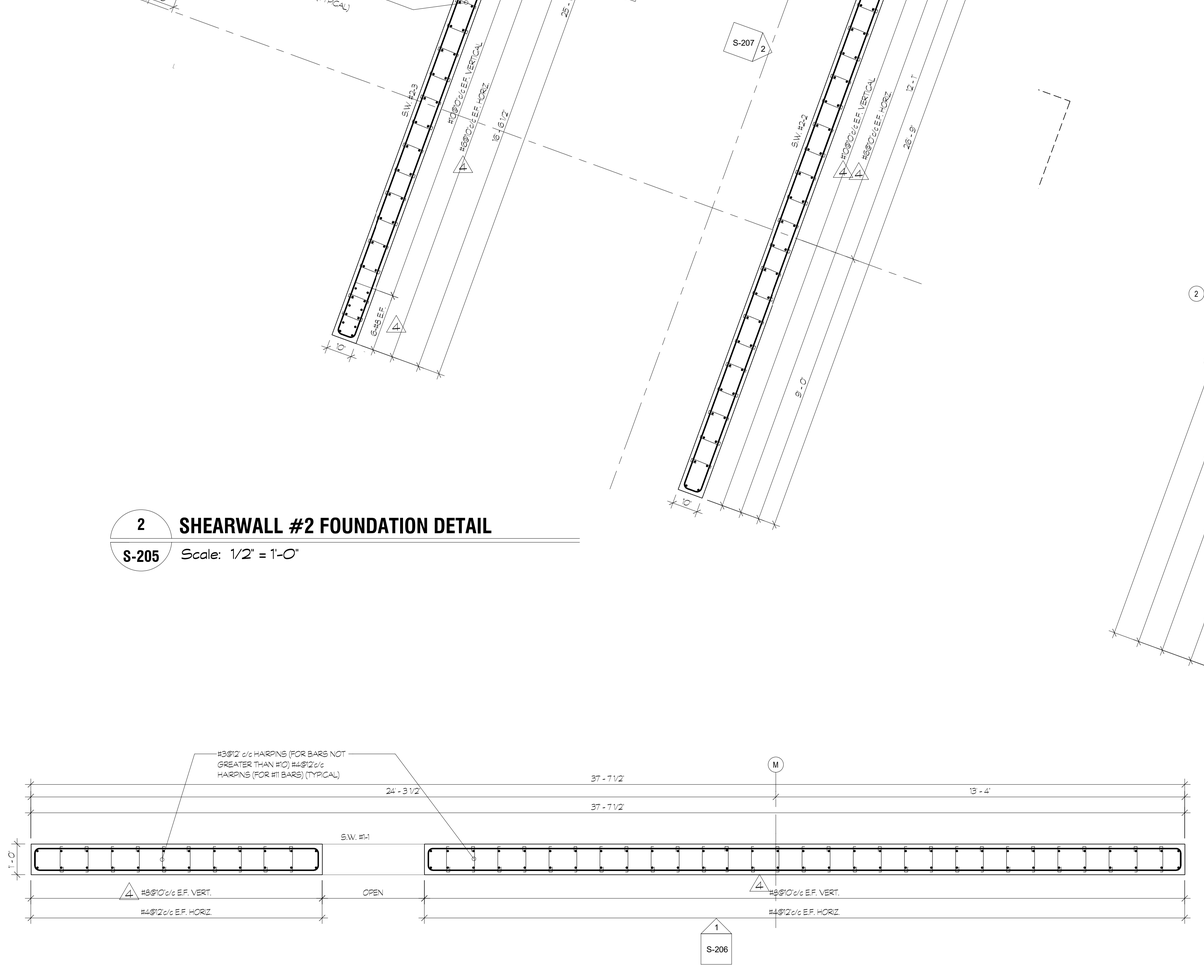

D
3 - 3
3 - 0
30 - 0
E
5 - 2
3
4
5
S.W. #2-1
S.W. #2-2
S.W. #2-3
T=66
#5@10 T
#5@10 B
#5@5 T
#5@5 B
#5@10 T + 5@5 T AT ELEVATOR PIT
#5@10 T + 5@5 B AT ELEVATOR PIT
#5@10 T + 5@5 B AT ELEVATOR PIT



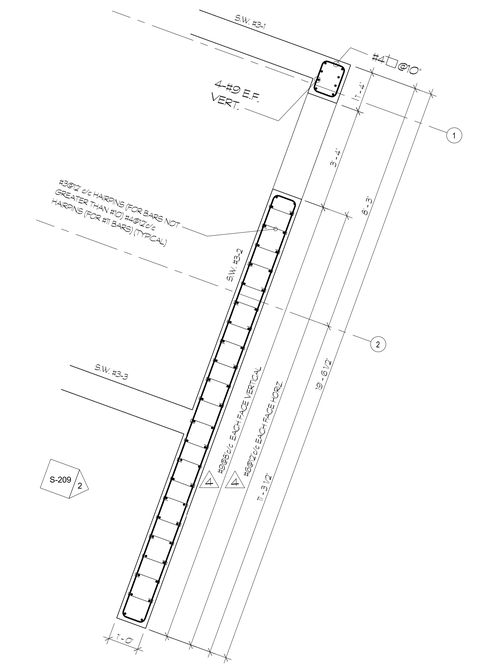
2 SHEARWALL #2 FOUNDATION DETAIL

S-205 Scale: 1/2" = 1'-0"



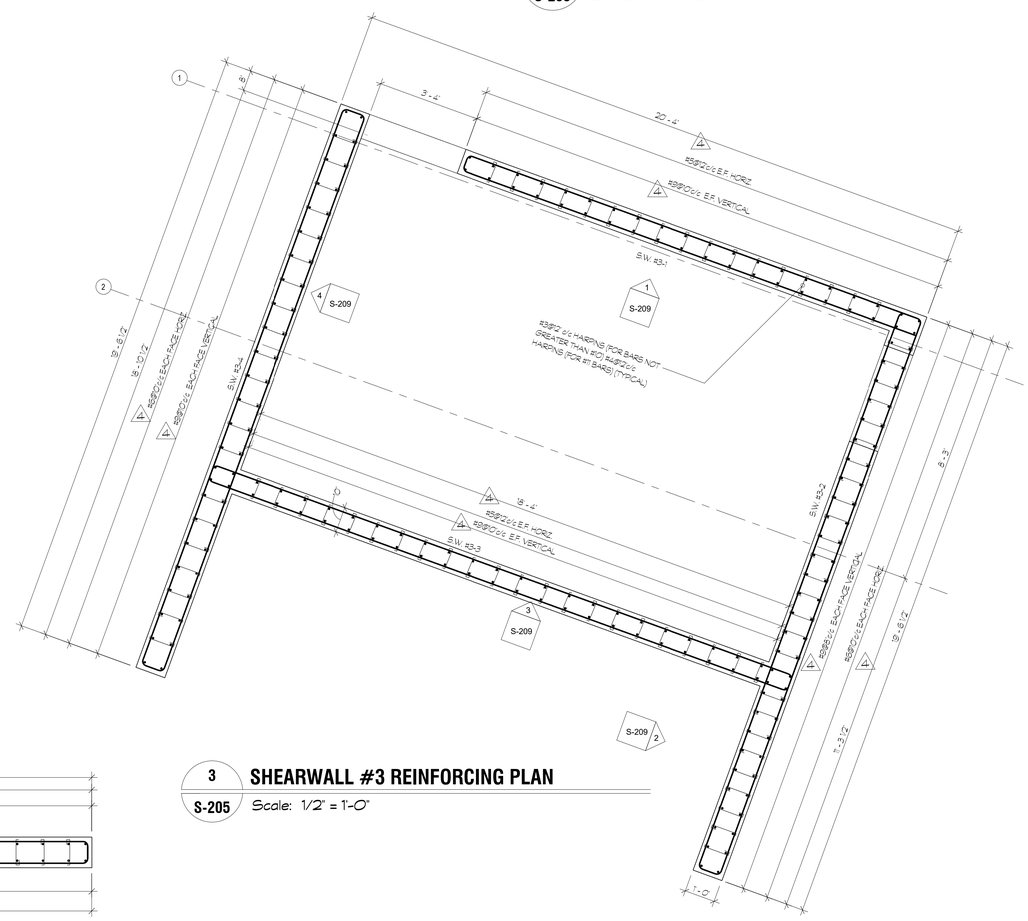
1 SHEARWALL #1 REINFORCING PLAN

S-205 Scale: 1/2" = 1'-0"



4 SHEARWALL #3 REINFORCING PLAN

S-205 Scale: 1/2" = 1'-0"



3 SHEARWALL #3 REINFORCING PLAN

S-205 Scale: 1/2" = 1'-0"

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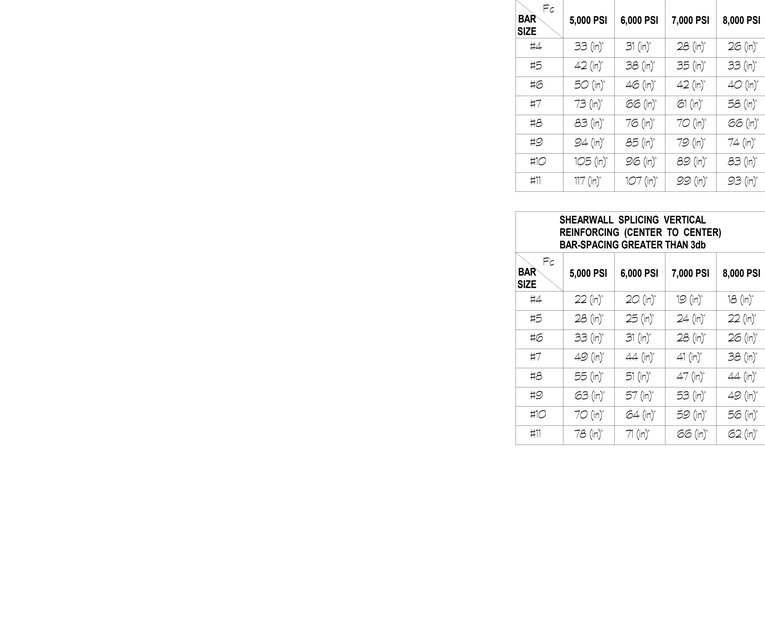
SHEARWALL REINFORCING PLANS

S-205

SHEARWALL SPLICING VERTICAL REINFORCING (CENTER TO CENTER) BAR-SPACING ≤THAN 3db				
BAR SIZE / F'c	5,000 PSI	6,000 PSI	7,000 PSI	8,000 PSI
#4	33 (in)	31 (in)	28 (in)	26 (in)
#5	42 (in)	38 (in)	35 (in)	33 (in)
#6	50 (in)	46 (in)	42 (in)	40 (in)
#7	73 (in)	66 (in)	61 (in)	58 (in)
#8	83 (in)	76 (in)	70 (in)	66 (in)
#9	94 (in)	85 (in)	79 (in)	74 (in)
#10	105 (in)	96 (in)	89 (in)	83 (in)
#11	117 (in)	107 (in)	99 (in)	93 (in)

SHEARWALL SPLICING VERTICAL REINFORCING (CENTER TO CENTER) BAR-SPACING GREATER THAN 3db				
BAR SIZE / F'c	5,000 PSI	6,000 PSI	7,000 PSI	8,000 PSI
#4	22 (in)	20 (in)	19 (in)	18 (in)
#5	28 (in)	25 (in)	24 (in)	22 (in)
#6	33 (in)	31 (in)	28 (in)	26 (in)
#7	49 (in)	44 (in)	41 (in)	38 (in)
#8	55 (in)	51 (in)	47 (in)	44 (in)
#9	63 (in)	57 (in)	53 (in)	49 (in)
#10	70 (in)	64 (in)	59 (in)	56 (in)
#11	78 (in)	71 (in)	66 (in)	62 (in)



1 **SHEARWALL 1 ELEVATION**
S-206 Scale: 1/4" = 1'-0"

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SHEARWALLS ELEVATION

S-206

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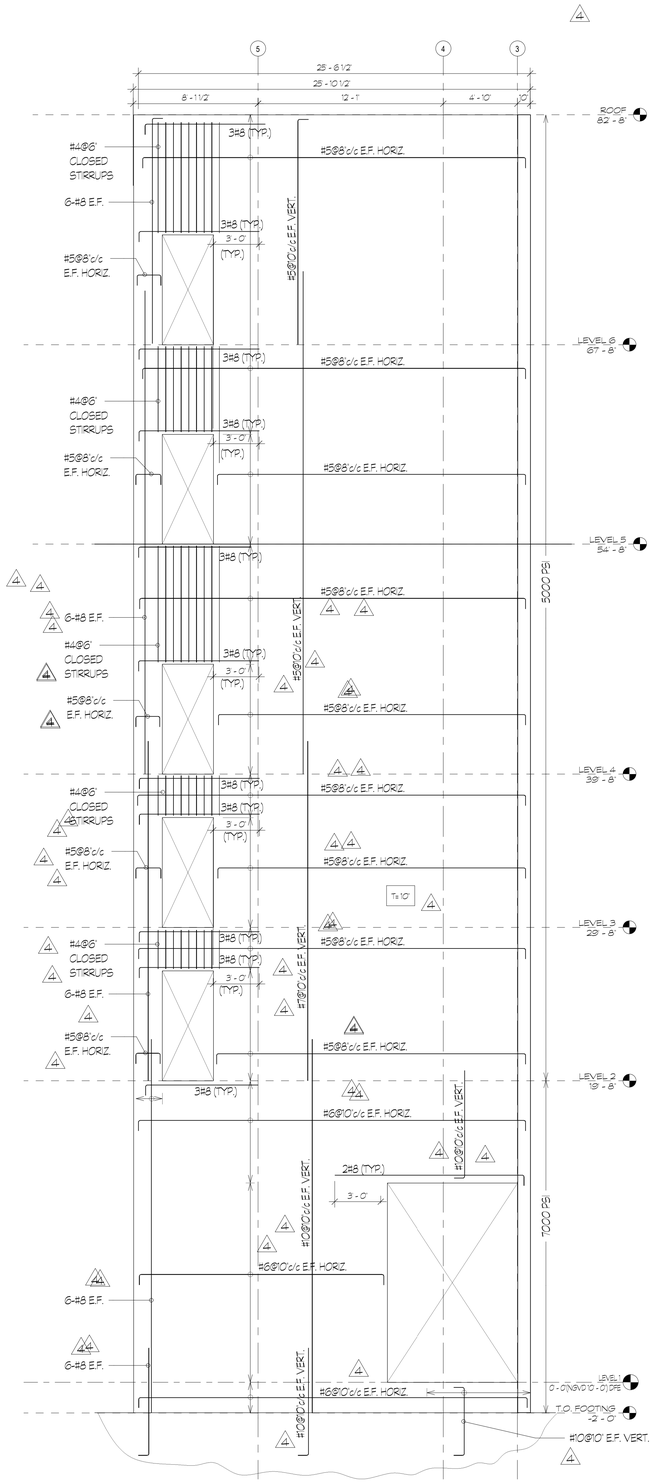
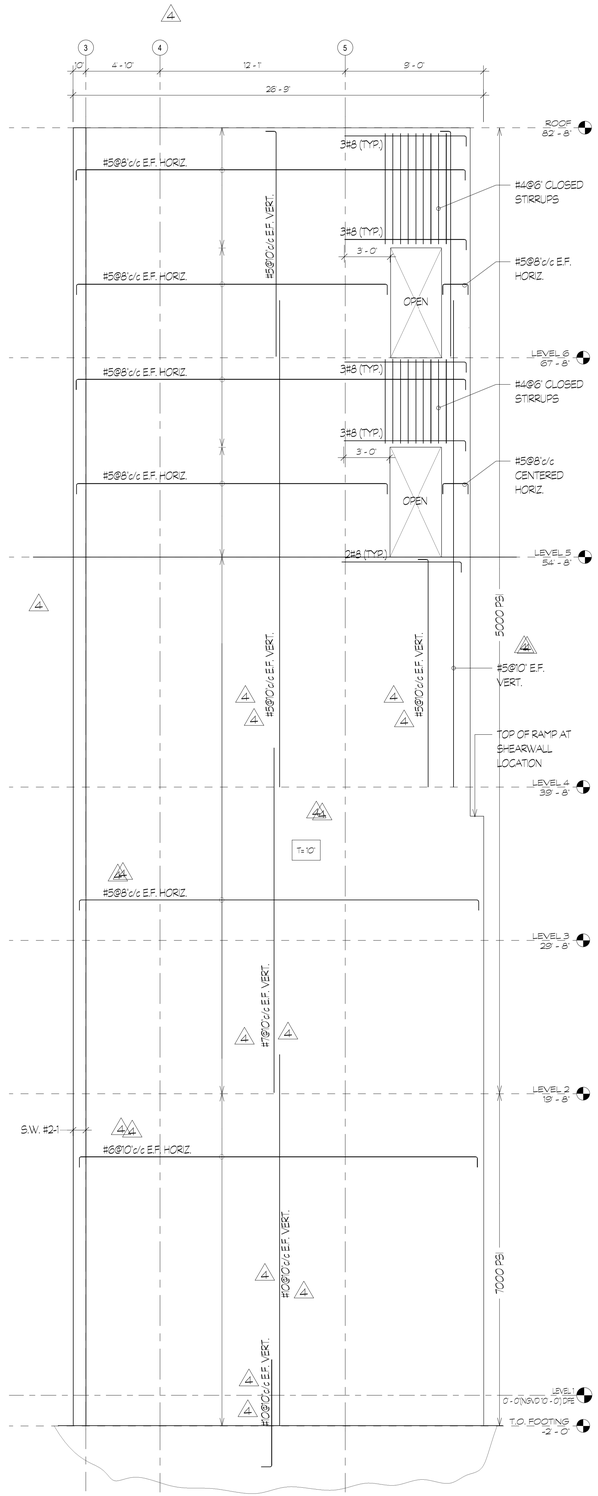
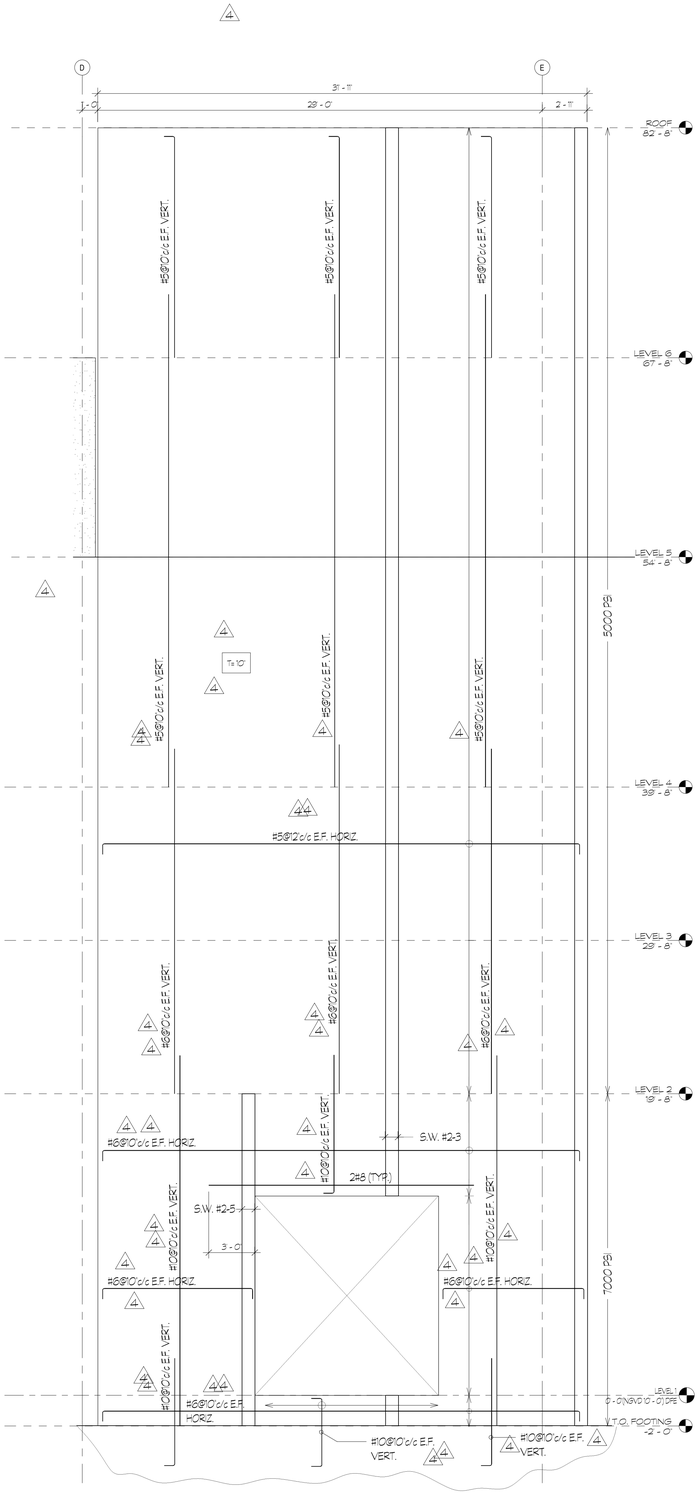


3 **SHEARWALL 2.3 ELEVATION**
S-207 Scale: 1/4" = 1'-0"



2 **SHEARWALL 2.2 ELEVATION**
S-207 Scale: 1/4" = 1'-0"



1 **SHEARWALL 2.1 ELEVATION**
S-207 Scale: 1/4" = 1'-0"

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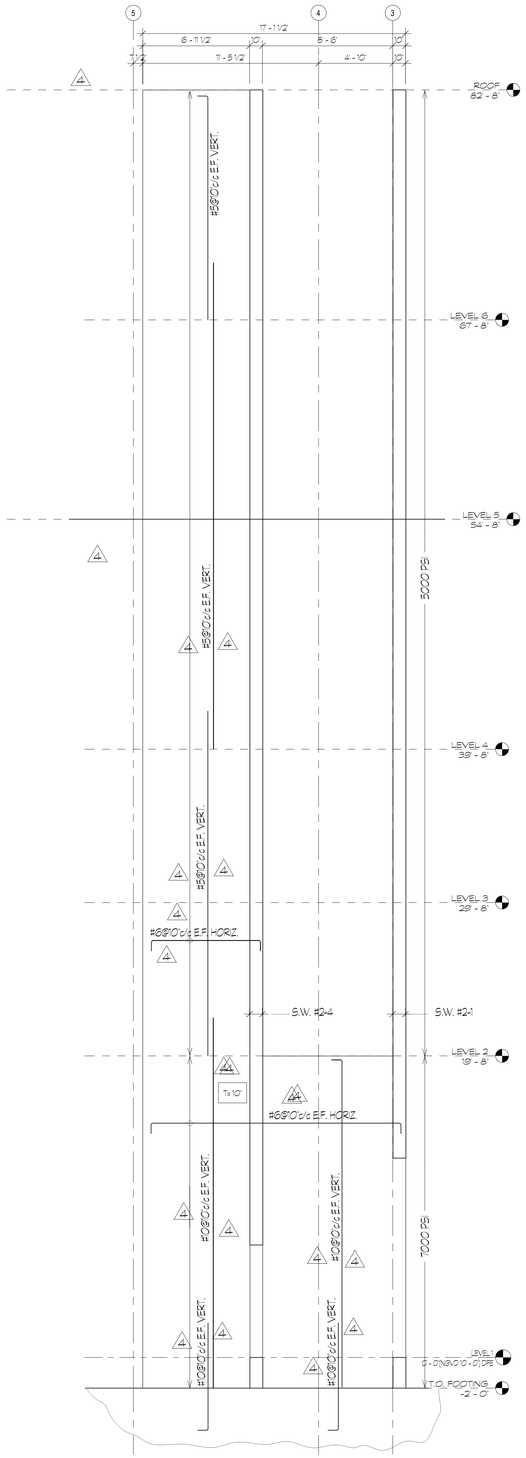
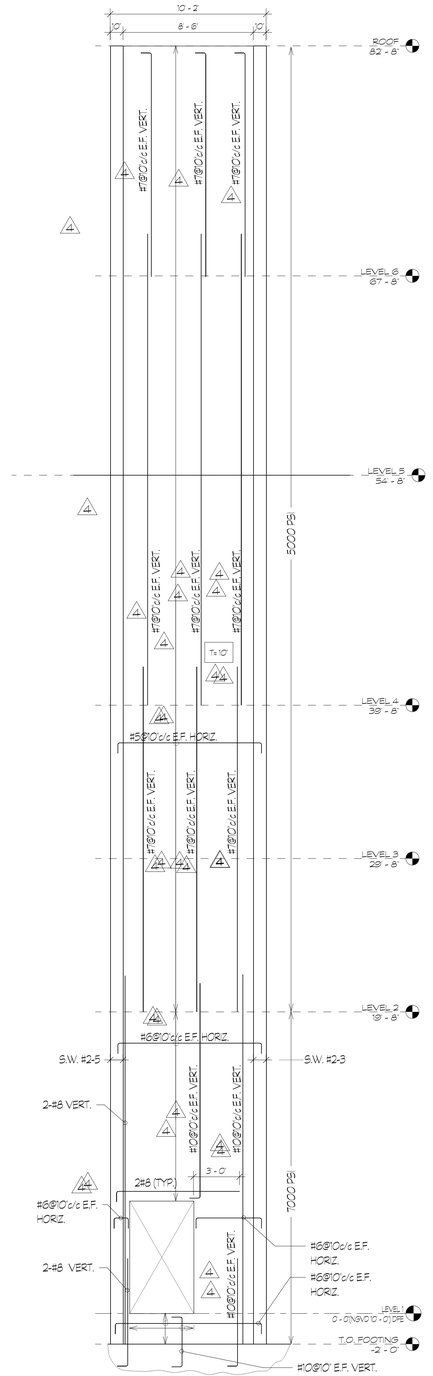
SHEARWALLS ELEVATION

S-207



1 **SHEARWALL 2.5 ELEVATION**
S-208 Scale: 1/4" = 1'-0"



2 **SHEARWALL 2.4 ELEVATION**
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SHEARWALLS ELEVATION

S-208

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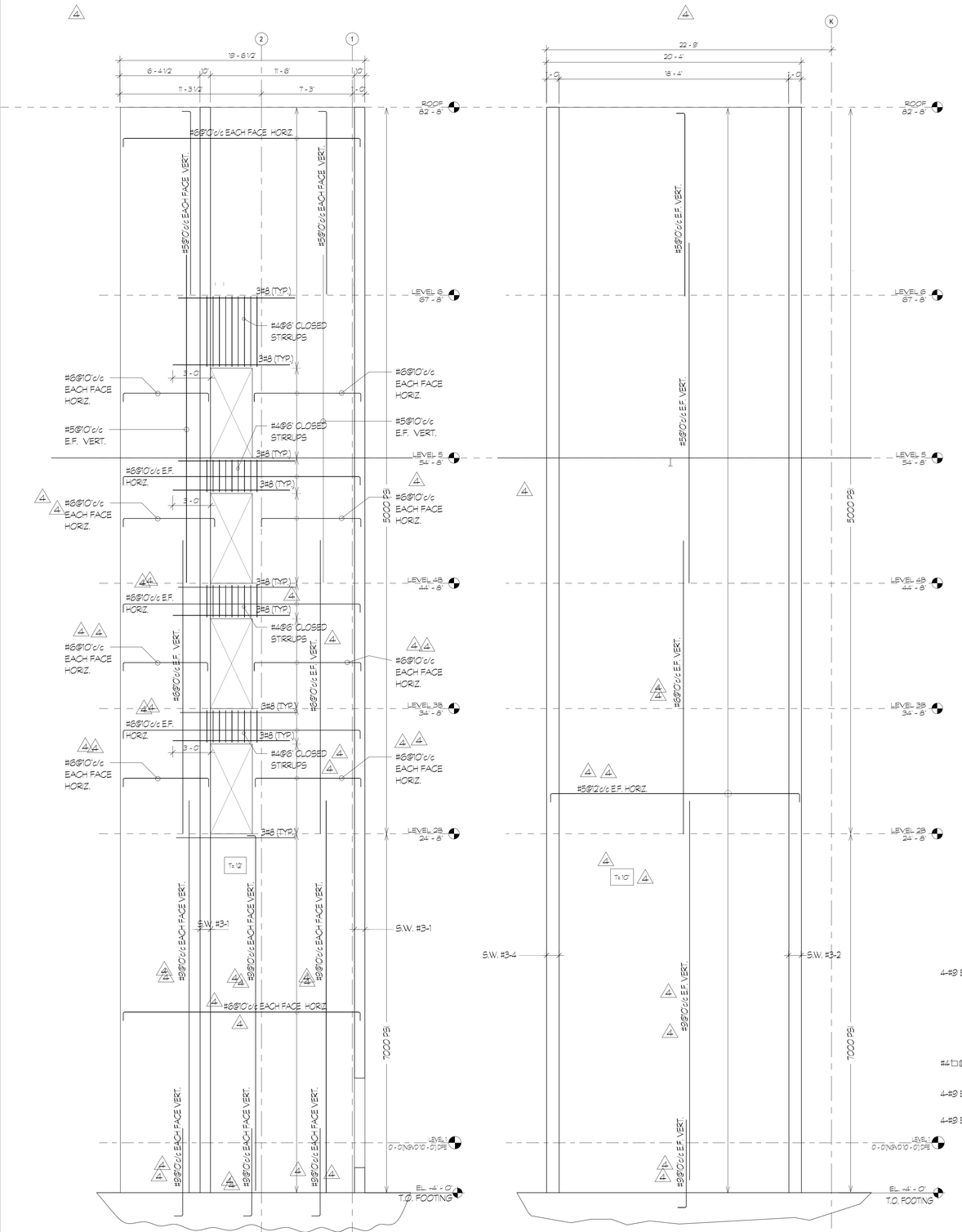
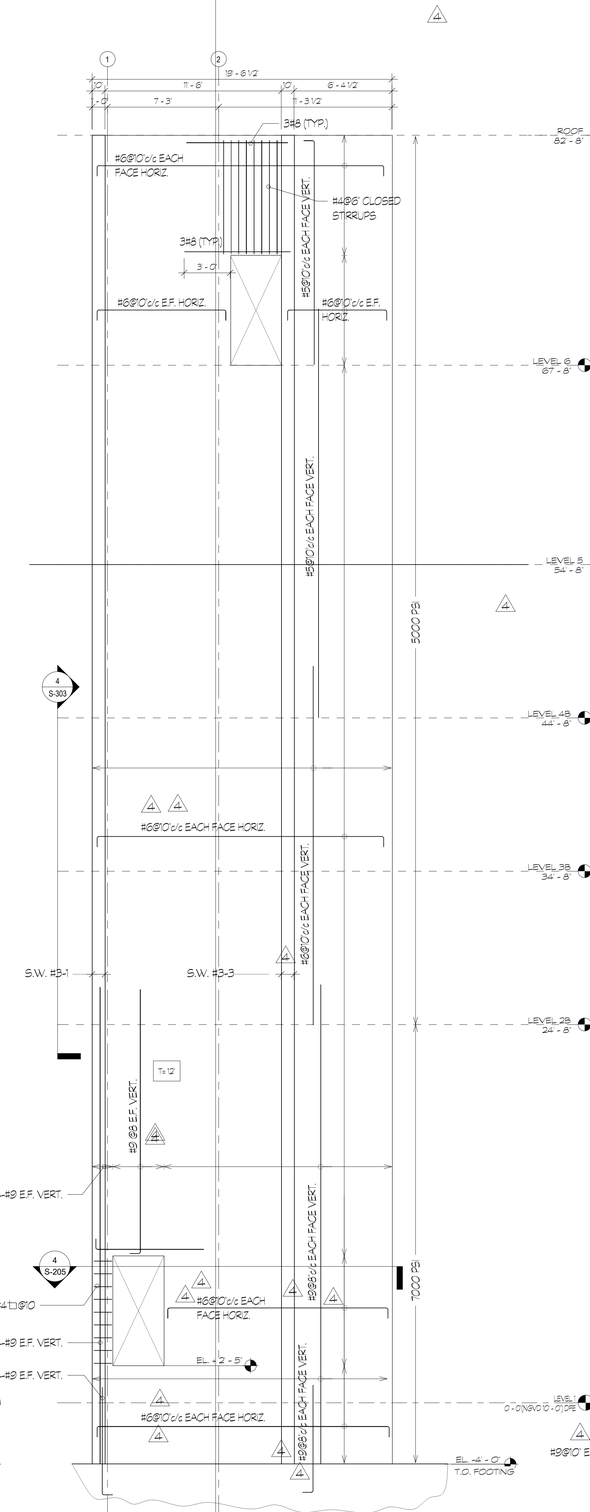


4 **SHEARWALL 3.4 ELEVATION**
S-209 Scale: 1/4" = 1'-0"

3 **SHEARWALL 3.3 ELEVATION**
S-209 Scale: 1/4" = 1'-0"



2 **SHEARWALL 3.2 ELEVATION**
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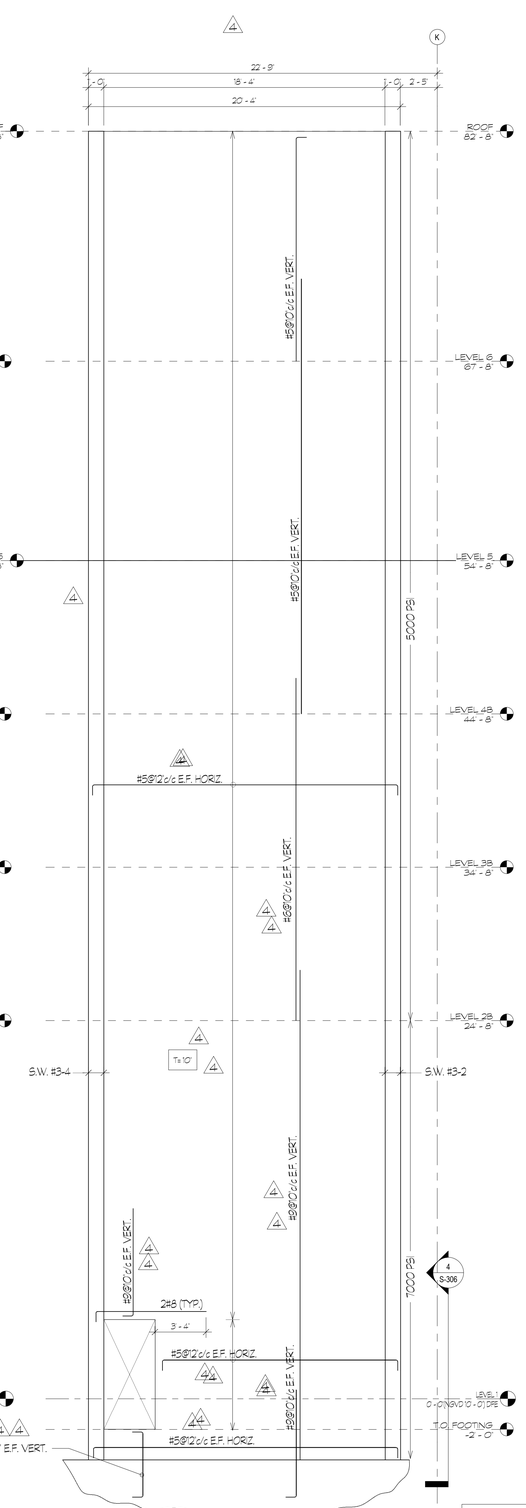

1 **SHEARWALL 3.1 ELEVATION**
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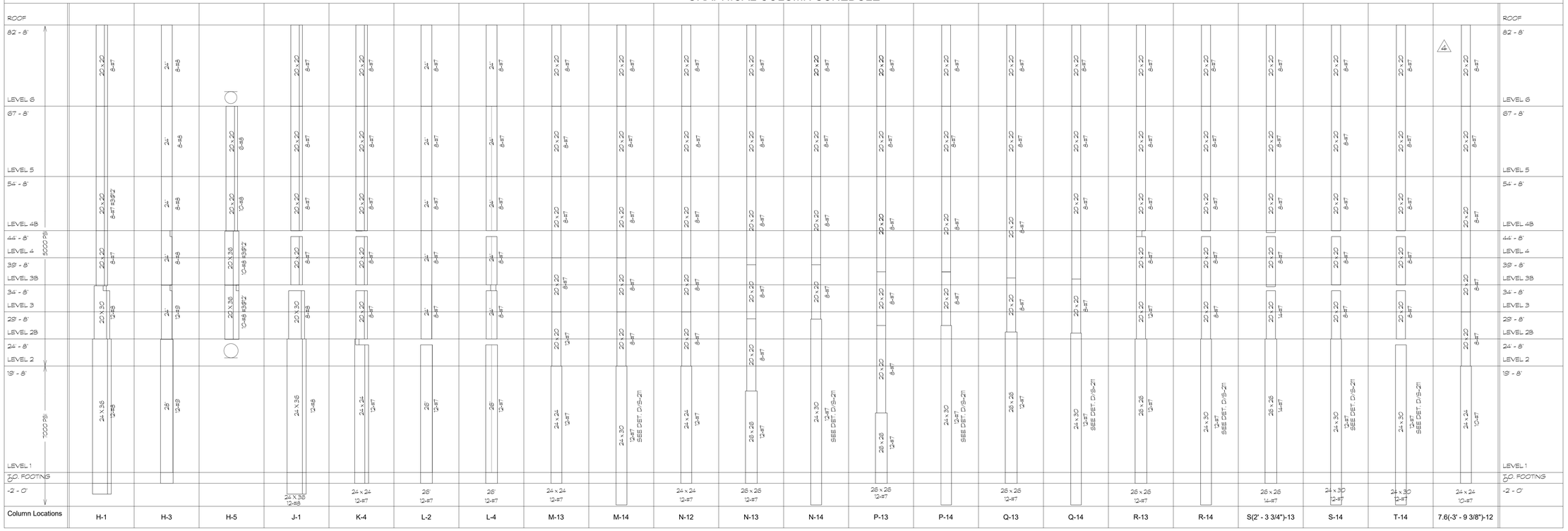
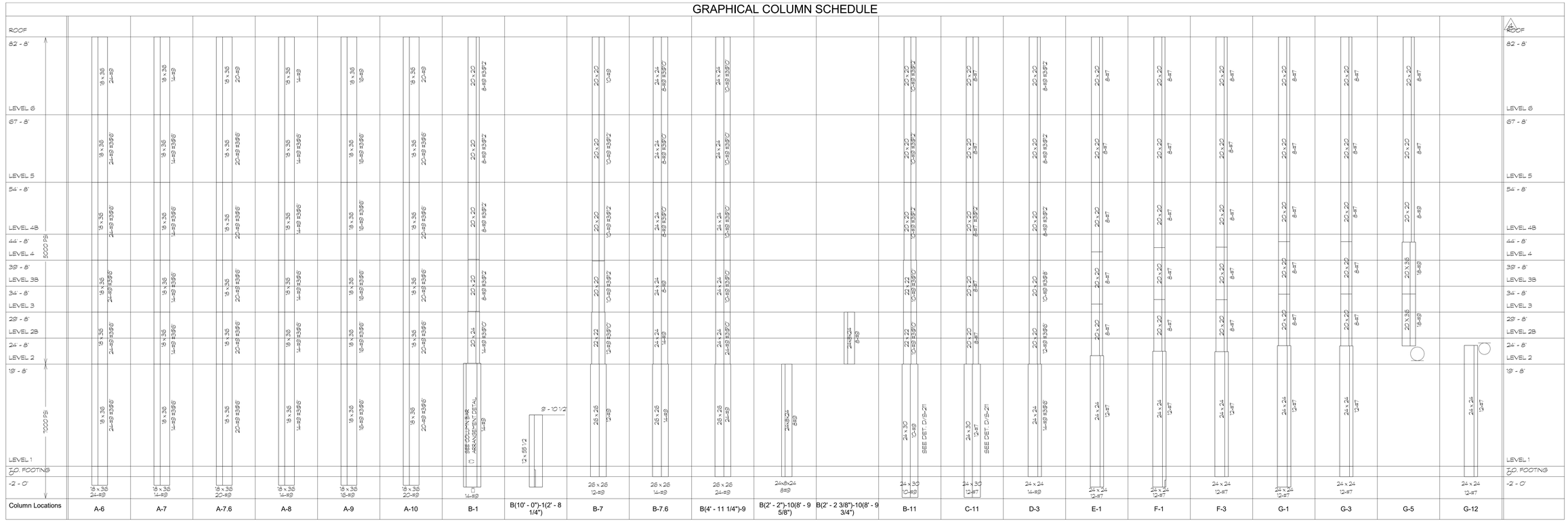
SHEARWALLS ELEVATION

S-209

GRAPHICAL COLUMN SCHEDULE



GRAPHICAL COLUMN SCHEDULE



COLUMN SCHEDULE

MARK	Type	REINFORCING		REMARKS
		VERTICAL	TIES	
1	(*)	20-#8 (2)	#3@12	(*) SEE COLUMN BAR ARRANGEMENT DETAILS
2	20 x 20	8-#7 (4)	#3@12	(*) SEE COLUMN BAR ARRANGEMENT DETAILS

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NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARDS.

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Project Number
2312

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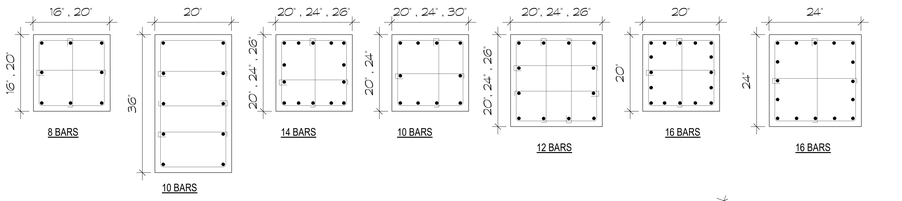
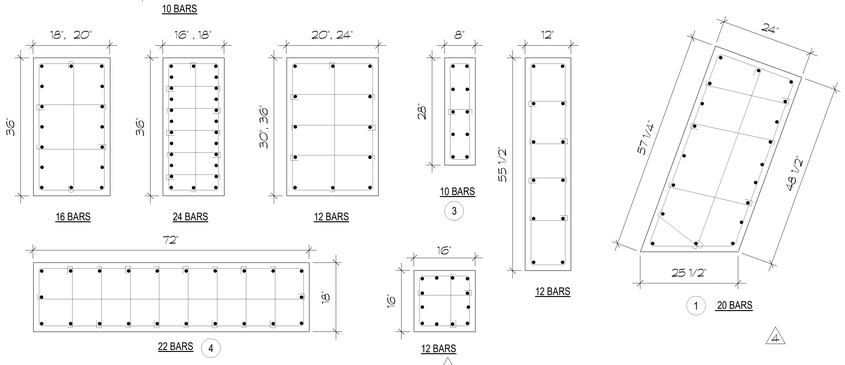
REV	DESCRIPTION	DATE
1	REVISION	11/8/24
4	PLAN REVIEW	06/30/25
6	Revision 6	10/27/25

GRAPHICAL COLUMN SCHEDULE

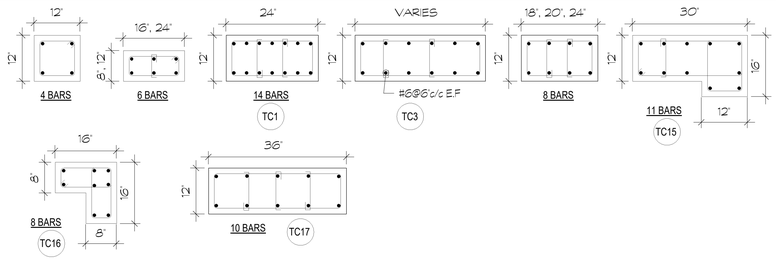
S-210

COLUMN BAR-ARRANGEMENT DETAILS

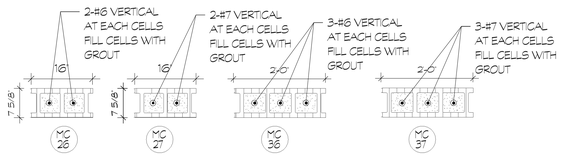




TIE-COLUMN BAR-ARRANGEMENT DETAILS

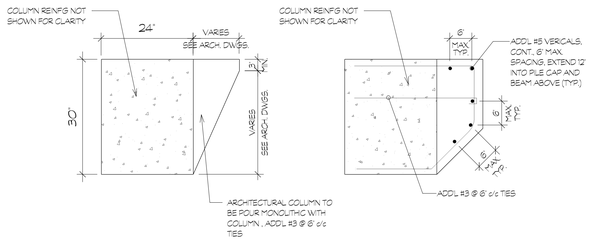


TYPICAL MASONRY TIE - COLUMN DETAILS



TIE-COLUMN SCHEDULE

+	SIZE	REINFORCING		REMARKS
		VERTICAL	TIES	
TC1	12 x 24	14-#6	#3@4"	TC STARTS ABOVE GRADE BEAM, EXTEND REINF. INTO GRADE BEAM
TC2	12 x 24	10-#6	#3@4"	TC STARTS ABOVE GRADE BEAM, EXTEND REINF. INTO GRADE BEAM
TC3	<varies>	(*)	#3@12"	(*) SEE COLUMN BAR ARRANGEMENT DETAILS
TC4	12 x 24	10-#6	#3@4"	
TC5	12 x 20	8-#6	#3@4"	
TC6	12 x 18	8-#6	#3@4"	
TC7	12 x 55 1/2	26-#5 (*)	#3@12"	(*) EXTEND VERT. REINF. INTO CANOPY SLAB & PILE CAP BELOW FOR END WITH 12" HOOK
TC8	12 x 52	14-#6	#3@4"	
TC9	8 x 24	6-#7	#3@8"	
TC10	8 x 12	6-#6	#3@8"	
TC11	12 x 16	6-#6	#3@12"	
TC12	12 x 24	8-#6	#3@4"	
TC13	8 x 24	6-#6	#3@10"	
TC14	8 x 12	4-#6	#3@12"	
TC15	12X16X30	11-#6	#3@12"	(*) SEE COLUMN BAR ARRANGEMENT DETAILS
TC16	8X16X16	8-#5	#3@12"	(*) SEE COLUMN BAR ARRANGEMENT DETAILS
TC17	12 x 36	10-#6	#3@4"	



COLUMN GEOMETRY

D DETAIL
S-211 / SCALE: N.T.S.

COLUMN SCHEDULE NOTES:

1.- (*) DENOTES TENSION SPLICE FOR VERTICAL REINFORCEMENT AT CONCRETE COLUMN, (SEE TABLE BELOW)

2.- COLUMNS WITH MORE THAN 4% UP TO 5.3% OF VERTICAL REINFORCEMENT STEEL SHALL USE 50% SPLICE, COLUMNS WITH MORE THAN 5.3% UP TO 8% OF VERTICAL REINFORCEMENT STEEL SHALL USE MECH. SPLICE.

3.- FOR COLUMN TRANSITION SEE DETAIL A & B ON SHEET S-201

4.- FOR ADDITIONAL COLUMN NOTES, SEE GENERAL STRUCTURAL NOTES SHEET S-200 AND S-201

5.- FOR COLUMN BAR ARRANGEMENT DETAIL SEE SHEET S-211

6.- (**) PROVIDE MECHANICAL SPLICE AT ALL VERTICAL REINFORCEMENT (STAGGER EVERY OTHER SPLICE 36" MIN.)

COLUMN SPLICING VERTICAL REINFORCING

BAR SIZE \ f'c	5,000 PSI	6,000 PSI	7,000 PSI	8,000 PSI
#4	22 (in*)	20 (in*)	28 (in*)	18 (in*)
#5	28 (in*)	25 (in*)	35 (in*)	22 (in*)
#6	33 (in*)	31 (in*)	42 (in*)	26 (in*)
#7	49 (in*)	44 (in*)	61 (in*)	38 (in*)
#8	55 (in*)	51 (in*)	70 (in*)	44 (in*)
#9	63 (in*)	57 (in*)	79 (in*)	49 (in*)
#10	70 (in*)	64 (in*)	89 (in*)	56 (in*)
#11	78 (in*)	71 (in*)	99 (in*)	62 (in*)

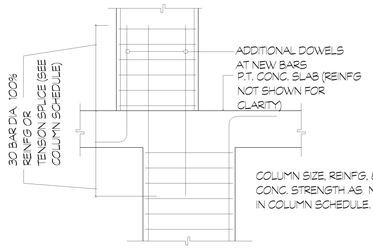
COLUMN BAR NOTES:

1.- ALL COLUMNS SHALL HAVE #3 TIES, EXCEPT FOR COLUMNS WITH #11 VERTICAL REINFORCING WHICH SHALL HAVE #4 TIES. (TYPICAL UNLESS OTHERWISE NOTED.)

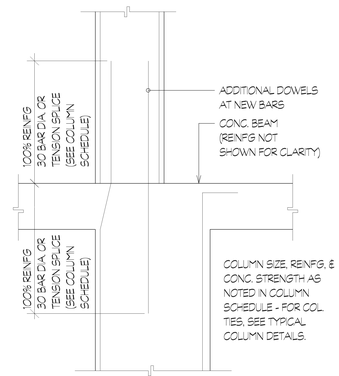
2.- TIE SPACING TO BE AS FOLLOWS.

VERTICAL BARS:	SPACING:
#5	10 in.
#6	12 in.
#7	14 in.
#8	16 in.
#9	18 in.
#10	18 in.
#11	20 in.

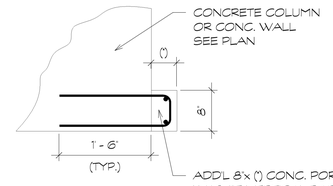
IN NO CASE SHALL THE TIE SPACING EXCEED THE LEAST DIMENSION OF THE COLUMN



C DETAIL
S-211 / SCALE: N.T.S.



B DETAIL
S-211 / SCALE: N.T.S.



(*) SEE ARCH. DRAWINGS

A DETAIL
S-211 / SCALE: N.T.S.

NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARS.

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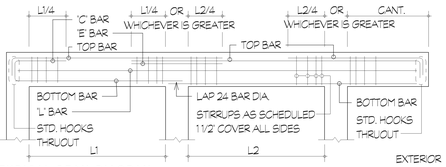
REV	DESCRIPTION	DATE
1	REVISION	11/8/24
4	PLAN REVIEW	06/30/25

COLUMN BAR ARRAG. SCHEDULES & DETAILS

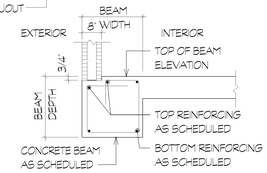
S-211

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



TYPICAL BEAM DIAGRAM
N.T.S.

NOTES:
1.- 'C' BARS ARE TOP BARS AT NON-CONTINUOUS ENDS.
2.- 'E' BARS ARE TOP BARS OVER RIGHT INTERIOR SUPPORTS.
3.- TOP BARS ' T ' SHALL BE CONTINUOUS IF POSSIBLE. WHEN SPLICED, SHALL BE SPLICED IN THE MIDDLE THIRD OF THE SPAN, U.O.N.
4.- INTERMEDIATE REINFORCING 'L' BARS (DENOTES NUMBER OF BARS AT EACH FACE OF BEAM'), WHEN CALLED FOR IN SCHEDULE, SHALL BE CONTINUOUS IF POSSIBLE OR CLASS B TENSION SPLICED, HOOK AT ENDS.
5.- REFER TO INTERMEDIATE BEAM REINFORCING FOR ADDITIONAL REINFORCING.
6.- PROVIDE AT ALL NON-BEARING BLOCK WALLS, A TIE-BEAM 8'x12' (MIN.) WITH 2-#5 TOP AND BOTTOM CONT., #3 TIES, 4 AT 12'o/c EACH END, BAL. AT 48'o/c TIE-BEAMS MUST BE DOWELED INTO WALLS AT EACH END, AT INTERSECTIONS, AT INTERMEDIATE POINTS.
7.- PROVIDE 2-#5 CORNER BARS (EXTEND 30" IN EACH DIRECTION FROM CORNER) AT ALL NON-BEARING BLOCK WALLS.



TYPICAL BEAM RECESS FOR OUTSIDE BEAMS
N.T.S.

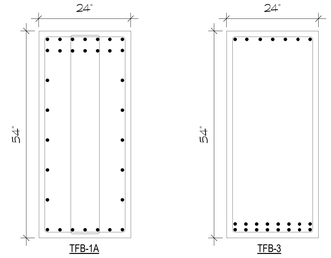
BEAM SCHEDULE

MARK	TOP OF BEAM ELEV.	SIZE (IN)	B	T	C	E	L (E.F.)	No.	SPACING	REMARK
2B-1	<varies> (')	16 x 24	3-#7	3-#7			5-#7	3	@4' o/c	(') SEE PLAN
2B-2	+21' - 4 1/8"	16 x 24	3-#7	3-#7			5-#7	3	@4' o/c	
2B-3	+23 - 0 1/4"	16 x 24	3-#7	3-#7			5-#7	3	@4' o/c	
2B-4	+24' - 3 3/8"	16 x 24	3-#7	3-#7			5-#7	3	@4' o/c	
4B-1	+48 - 2"	12 x 50	3-#8	2-#8			2-#5	4	@6' o/c	SEE SECTION 3/S-303
4B-2	+44' - 8"	16 x 24	2-#7	2-#7			5-#7	3	@4' o/c	
4B-3	+48 - 2"	12 x 66	4-#8	2-#8			3-#5	4	@6' o/c	
MB-1	+12 - 6"	14 x 30	(')	(')			(')			SEE SECTION 10/S-307

TRANSFER-BEAM SCHEDULE

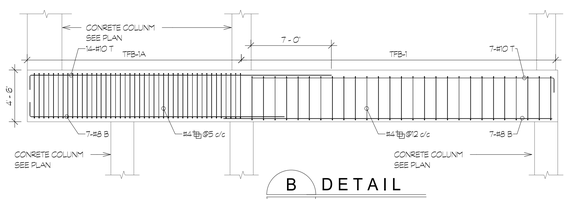
MARK	TOP OF BEAM ELEV.	SIZE (IN)	B	T	C	E	L (E.F.)	No.	SPACING	REMARK
TFB-1	+23' - 2"	34 x 58	8-#8	14-#10			5-#6	4	@12' o/c	USE 7,000 PSI CONCRETE. SEE DETAIL A/S-212
TFB-1A	+23' - 2"	34 x 58	8-#8	22-#10(') 4			5-#6	4	@5' o/c (')	USE 7,000 PSI CONCRETE EXTEND TOP BAR 7'-0" INTO TFB-1 WITH HOOK (') ADD (2)#4 INTERIOR LEGS @ 5' o/c. SEE DETAIL A/S-212
TFB-2	+24' - 7"	28 x 54 4	7-#10	7-#10			5-#6	4	@12' o/c	USE 7,000 PSI CONCRETE
TFB-3	+24' - 8"	28 x 54 4	17-#10	7-#10		4-#10	5-#6	4	@6' o/c	USE 7,000 PSI CONCRETE
TFB-4	TO MATCH TOP OF RAMP	24 x VARES (')	16-#10	7-#10			5-#6	4	@6' o/c	USE 7,000 PSI CONCRETE (') UNDER SIDE OF BEAM TO MATCH UNDERSIDE OF TFB-3

TRANSFER-BEAM BAR-ARRANGEMENT DETAILS



TFB-1A

TFB-3



B DETAIL
S-212 3/16" = 1'-0"

TIE-BEAM SCHEDULE

MARK	TOP OF BEAM ELEV.	SIZE (IN)	B	T	C	E	L (E.F.)	No.	SPACING	REMARK
RTB-3	+80' - 2"	14 x 30	2-#7	2-#7			5-#7	4	@8' o/c	(') ALL BARS TO BE CONTINUOUS OVER COLUMNS SUPPORT. SEE SECT. 7/S-307
RTB-4	+80' - 2"	14 x 30	2-#7	2-#7			5-#7	4	@8' o/c	(') ALL BARS TO BE CONTINUOUS OVER COLUMNS SUPPORT. SEE SECT. 7/S-307
RTB-5	+80' - 2"	14 x 30	2-#7	2-#7			5-#7	4	@8' o/c	(') ALL BARS TO BE CONTINUOUS OVER COLUMNS SUPPORT. SEE SECT. 7/S-307
RTB-7	+80' - 2"	14 x 30	2-#7	2-#7			5-#7	4	@8' o/c	(') ALL BARS TO BE CONTINUOUS OVER COLUMNS SUPPORT. SEE SECT. 7/S-307
TB-1	4 +13' 7 1/2"	12 x VARES (')	6-#7(')	3-#7			3-#7	3	@4' o/c	(') TWO LAYERS (") BOTTOM OF BEAM = TOP OF SLOPED GLASS
TB-2	+13' - 4"	12 x 16	2-#5(')	2-#5(')			2-#5(')	3	@4' o/c	(') TO BE CONTINUOUS AT TIE COLUMN SUPPORT
TB-3	+20' - 0"	12 x 16	2-#5(')	2-#5(')			2-#5(')	3	@4' o/c	(') TO BE CONTINUOUS AT TIE COLUMN SUPPORT
TB-5	+12' - 0"	12 x 24	4-#5	4-#5			2-#5	3	@8' o/c	
TB-6	+12' - 0"	12 x 24	2-#6	2-#6			1-#6	3	@10' o/c	
TB-7	+9' - 2"	8 x 24	2-#6	2-#6			1-#6	3	@10' o/c	
TB-8	+7' - 8"	8 x 30	2-#6	2-#6			2-#6	3	@10' o/c	
TB-9	+12' - 0"	8 x 24	2-#6	2-#6			4-#6	3	@10' o/c	
TB-10	+12' - 0"	12 x 24	2-#6	2-#6			1-#6	3	@10' o/c	
TB-11	+30' - 0"	8 x 24	2-#6	2-#6			3-#6	3	@10' o/c	
TB-12	+34' - 8"	8 x 24	2-#6	2-#6			1-#6	3	@10' o/c	
TB-13	+11' - 4"	8 x 16	2-#5	2-#5			2-#5	3	@4' o/c	
TB-14	+11' - 4"	8 x 16	2-#5	2-#5			1-#5	3	@6' o/c	
TB-15	+5' - 11 3/4"	12 x 10	2-#5	2-#5				3	@6' o/c	
TB-16	+36' - 3 1/2"	8 x 24	2-#5(')	2-#5(')			1-#5(')	3	@8' o/c	(') EXTEND REINF. 3'-0" INTO SHEARWALL. SEE ELEV. 4/S-303

WALL FOOTING SCHEDULES

MARK	Type	REINFORCEMENT	REMARKS
WF-24	24 X12	<varies>	
WF-24M	24 X12	3-#5 CONT. LONGITUDINAL AND #5@14' c/c TRANSVERSAL	MONOLITHIC WITH THE SLAB
WF-72	64 X12	(')	(') SEE DETAIL A/S212
WF--24	24 X12		

GRADE BEAM SCHEDULE

MARK	TOP OF BEAM ELEV.	SIZE (IN)	B	T	C	E	L (E.F.)	No.	SPACING	REMARK
GB-1	-2' - 0"	24 X24	4-#6	4-#6				3	@10' o/c	
GB-2	-4' - 0"	24 X24	4-#7	4-#7				3	@10' o/c	
GB-3	-2' - 0"	24 X24	4-#7	4-#6				3	@10' o/c	
GB-4	-2' - 0"	16 x 24	3-#6	3-#6				3	@10' o/c	
GB-5	-4' - 0"	24 X24	4-#6	4-#6				3	@10' o/c	
GB-6	-4' - 0"	24 X24	4-#7	4-#6				3	@10' o/c	
GB-7	-3' - 8"	24 X24	4-#6	4-#6				3	@10' o/c	
GB-9	-4' - 0"	36 x 24	4-#8	4-#8				3	@12' o/c	
GB-10	-6' - 0"	24 X24	4-#7	4-#7				3	@12' o/c	

CONCRETE WALL SCHEDULE

MARK	THICKNESS	REINFORCEMENT VERTICAL	REINFORCEMENT HORIZONTAL	REMARKS
W-1	8"	#5 @ 12'o/c AT CENTERLINE	#5 @ 16'o/c AT CENTERLINE	
W-2	8"	#5 @ 8'o/c AT CENTERLINE	#5 @ 8'o/c AT CENTERLINE	SEE DETAIL Y/S-213
W-2A	12"	#5 @ 8'o/c	#5 @ 12'o/c	SEE DETAIL U/S-213
W-2B	12"	#5 @ 8'o/c AT CENTERLINE	#5 @ 8'o/c AT CENTERLINE	SEE DETAIL Y/S-213 (SIMILAR)
W-3	12"	#5 @ 8'o/c EACH FACE	#5 @ 12'o/c EACH FACE	SEE SECTION 1/S-213

BLOCK WALL SCHEDULE

MARK	THICKNESS	REINFORCEMENT VERTICAL	REINFORCEMENT HORIZONTAL	REMARKS
BW-540	8"	#5 @ 40'o/c	No. 9 GAGE DURO WALL MASONRY REINFORCED	FILL REINF. CELL SOLID W/ GROUT
BW-548	8"	#5 @ 48'o/c	No. 9 GAGE DURO WALL MASONRY REINFORCED	FILL REINF. CELL SOLID W/ GROUT
BW-608	8"	#6 @ 8'o/c	No. 9 GAGE DURO WALL MASONRY REINFORCED	FILL REINF. CELL SOLID W/ GROUT
BW-616	8"	#6 @ 16'o/c	No. 9 GAGE DURO WALL MASONRY REINFORCED	FILL REINF. CELL SOLID W/ GROUT
BW-648	8"	#6 @ 48'o/c	No. 9 GAGE DURO WALL MASONRY REINFORCED	FILL REINF. CELL SOLID W/ GROUT
BW-724	8"	#7 @ 24'o/c	No. 9 GAGE DURO WALL MASONRY REINFORCED	FILL REINF. CELL SOLID W/ GROUT
BW-740	8"	#7 @ 40'o/c	No. 9 GAGE DURO WALL MASONRY REINFORCED	FILL REINF. CELL SOLID W/ GROUT
12BW-548	12"	#5 @ 48'o/c	No. 9 GAGE DURO WALL MASONRY REINFORCED	FILL REINF. CELL SOLID W/ GROUT
12BW-640	12"	#6 @ 40'o/c	No. 9 GAGE DURO WALL MASONRY REINFORCED	FILL REINF. CELL SOLID W/ GROUT
12BW-716	12"	#7 @ 16'o/c	No. 9 GAGE DURO WALL MASONRY REINFORCED	FILL REINF. CELL SOLID W/ GROUT
12BW-724	12"	#7 @ 24'o/c	No. 9 GAGE DURO WALL MASONRY REINFORCED	FILL REINF. CELL SOLID W/ GROUT

WIND LOAD PRESSURE FOR PANELS, WINDOWS, DOORS AND STOREFRONTS (POUNDS PER SQUARE FOOT) (ALLOWABLE STRESS DESIGN LOADS)

AREA	ZONE 4 POSITIVE	ZONE 4 NEGATIVE	ZONE 5 POSITIVE	ZONE 5 NEGATIVE
10 ft.^{2} to 25 ft.^{2}	75 P.S.F	-81 P.S.F	75 P.S.F	-100 P.S.F
26 ft.^{2} to 50 ft.^{2}	71 P.S.F	-77 P.S.F	71 P.S.F	-91 P.S.F
51 ft.^{2} to 100 ft.^{2}	67 P.S.F	-74P.S.F	67 P.S.F	-84 P.S.F
101 ft.^{2} to 250 ft.^{2}	64 P.S.F	-70 P.S.F	64 P.S.F	-78 P.S.F
251 ft.^{2} to 500 ft.^{2}	60 P.S.F	-66 P.S.F	60 P.S.F	-70 P.S.F
501 ft.^{2} AND UP	56 P.S.F	-63 P.S.F	56 P.S.F	-63 P.S.F

NOTES:
1.- ZONE (5) IS DEFINED AS ANY DOOR OR WINDOW WITHIN (3'-6") FROM ANY CORNER OF THE BUILDING. ALL OTHER LOCATIONS CAN BE DEFINED AS ZONE (4) 4
2.- VALUES INDICATE CAN BE INTERPOLATED.

NOTE: FOR DESIGN, THE ABOVE WIND LOAD PRESSURES ARE TO BE USED WITH THE LOAD COMBINATIONS OF THE ASCE 7-22 BUILDING CODE, Kd = 0.85.

ZONE	WIND LOAD PRESSURES FOR ROOFING DESIGN (ALLOWABLE STRESS DESIGN LOADS)	"a"
1	-130 P.S.F.	14'-0"
2	-172 P.S.F. 4	14'-0"
3	-172 P.S.F.	14'-0"

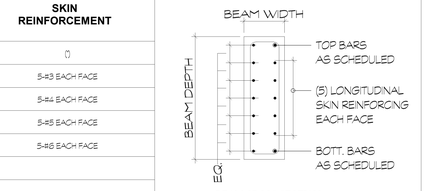
4

WIND LOAD PRESSURES FOR ROOFTOP EQUIPMENTS (CU, RTU, CU-OA, FANS) (ALLOWABLE STRESS DESIGN LOADS) 6	
LATERAL WIND LOAD PRESURES	132 P.S.F.
VERTICAL WIND LOAD PRESURES	104 P.S.F.

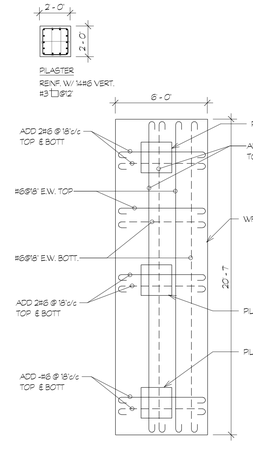
BEAM INTERMEDIATE REINFORCING SKIN REINFORCEMENT

BEAM DEPTH	SKIN REINFORCEMENT
UP TO 36"	(')
36" TO 46"	5-#3 EACH FACE
47" TO 54"	5-#4 EACH FACE
55" TO 62"	5-#5 EACH FACE
63" TO 72"	5-#6 EACH FACE

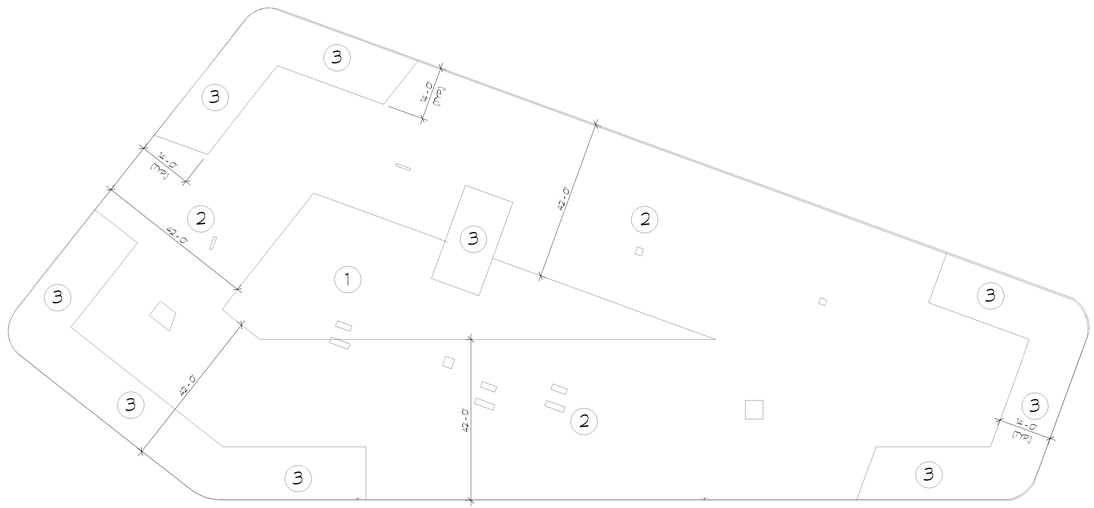
NOTES:
(') UNLESS NOTED OTHERWISE ON SCHEDULE.



BEAM CROSS-SECTION
N.T.S.



A DETAIL
S-212 SCALE: 1/4" = 1'-0"



NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARS.

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AIDA M. ALBAISA P.E.
Reg. No. 0045130
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

10/28/2025 10:01:02 AM

Project Number
2312

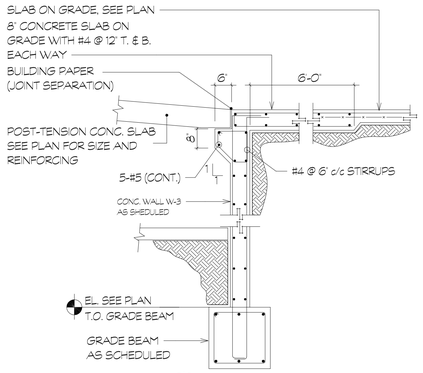
DISTRIBUTION
08-01-24

REV	DESCRIPTION	DATE
1	REVISION	11/8/24
4	PLAN REVIEW	06/30/25
6	Revision 6	10/27/25

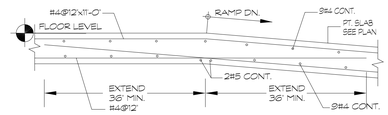
SCHEULES AND DETAILS

S-212

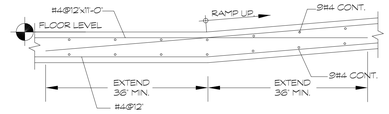
TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



1 SECTION
S-213 SCALE: N.T.S.



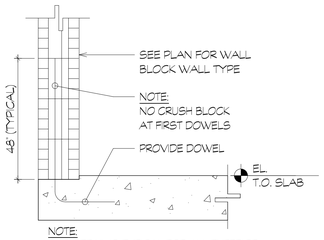
APPLIES AT RAMP DOWN (TYP.)



APPLIES AT RAMP UP (TYP.)

DETAIL ON RAMPS

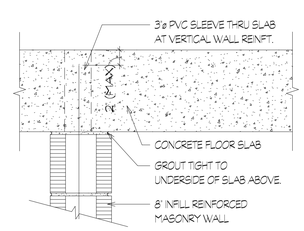
SCALE 3/4"=1'-0"



NOTE:
THIS DETAIL IS TYPICAL FOR ALL EXTERIOR MASONRY WALLS

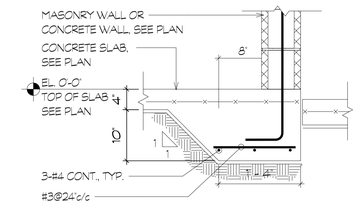
EXTERIOR REINFORCED MASONRY WALL

S DETAIL
S-213 SCALE: N.T.S.



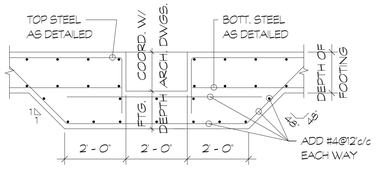
TYPICAL DETAIL AT NON-BEARING REINFORCED MASONRY WALL

L DETAIL
S-213 SCALE: N.T.S.



TYPICAL MONOLITHIC FOOTING DETAIL AT EDGE (WF-18M)

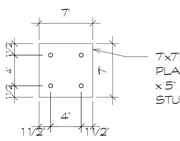
E DETAIL
S-213 SCALE: N.T.S.



TYPICAL REINFORCEMENT DETAIL AT ELEVATOR SUMP PUMP PIT

FOR LOCATION REFER TO ARCH. & MECH. DRAWINGS.

D DETAIL
S-213 SCALE: N.T.S.



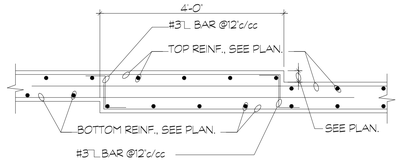
7x7x1/2" EMBED PLATE W/ 4-1/2" DIA. x 5" LONG HEAD STUDS.

TYPICAL SCREEN CONNECTION

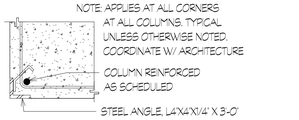
NOTES:
1.- PRIOR FABRICATION CONTRACTOR TO SUBMIT SCREEN MANUFACTURER SPECIFICATIONS TO E.O.R. TO REVIEW AND VALIDATE CONNECTION SHOWN ON STRUCT. DWG.

2.- COORDINATE LOCATION WITH MANUFACTURER SHOP DRAWING

W DETAIL
S-213 SCALE: N.T.S.

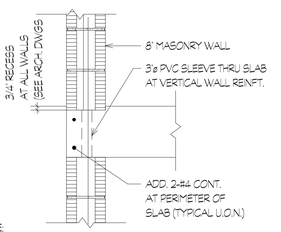


X DETAIL
S-213 SCALE: N.T.S.



TYPICAL COLUMN GUARD DETAIL

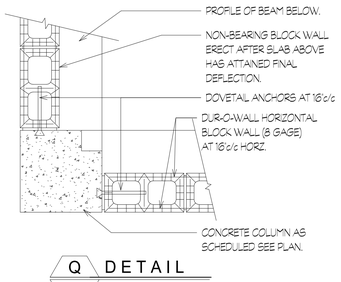
R DETAIL
S-213 SCALE: N.T.S.



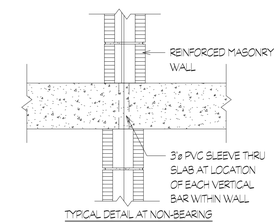
NOTE:
DETAIL APPLIES AT THE STRUCTURAL SECTIONS (SECTIONS DO NOT SHOW DETAIL FOR CLARITY)

TYPICAL DETAIL AT EXTERIOR MASONRY WALLS

K DETAIL
S-213 SCALE: N.T.S.



Q DETAIL
S-213 SCALE: N.T.S.

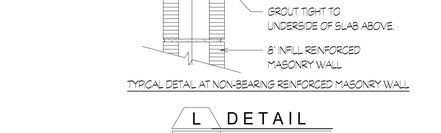


TYPICAL DETAIL AT NON-BEARING REINFORCED MASONRY WALL

J DETAIL
S-213 SCALE: N.T.S.

DETAIL AT NON-BEARING REINFD MASONRY WALL

P DETAIL
S-213 SCALE: N.T.S.



TYPICAL THICKENED EDGE

H DETAIL
S-213 SCALE: N.T.S.

TYPICAL PRE-MANUFACTURED CURB CONNECTION DETAIL

TYPICAL STEEL STAIR CONNECTION DETAIL

V DETAIL
S-213 SCALE: N.T.S.

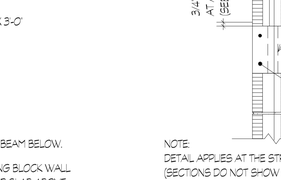
NOTE:
PLACE REINFORCED MASONRY WALLS AFTER ALL RE-SHORES HAVE BEEN REMOVED. GROUT CELLS THRU SLEEVES

REINFORCED MASONRY WALL DETAIL AT INTERMEDIATE LEVEL

T DETAIL
S-213 SCALE: N.T.S.

TYPICAL CONCRETE BARRIER WALL DETAIL

Y DETAIL
S-213 SCALE: N.T.S.

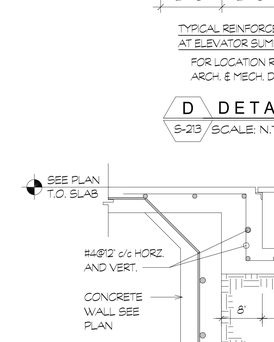


TYPICAL RECESS DETAIL AT SLAB

N DETAIL
S-213 SCALE: N.T.S.

TYPICAL DETAIL OF STEP IN SLAB

G DETAIL
S-213 SCALE: N.T.S.



A DETAIL
S-213 SCALE: N.T.S.

C DETAIL
S-213 SCALE: N.T.S.

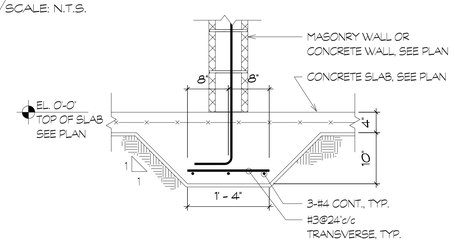
TYPICAL STEPPED FOOTING DETAIL

B DETAIL
S-213 SCALE: N.T.S.

U DETAIL
S-213 SCALE: N.T.S.

TYPICAL CONCRETE TIE COLUMN DETAIL AT INFILL MANSORY WALLS

M DETAIL
S-213 SCALE: N.T.S.



TYPICAL MONOLITHIC FOOTING DETAIL (WF-18M)

F DETAIL
S-213 SCALE: N.T.S.

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10/28/2025 10:10:45 AM

Project Number
2312

DISTRIBUTION
08-01-24

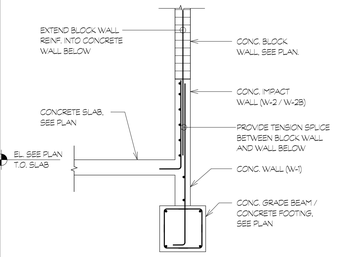
REV	DESCRIPTION	DATE
1	REVISION	11/8/24

TYPICAL DETAILS

NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARS.

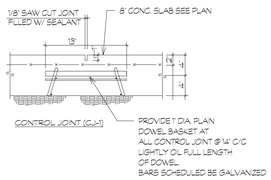
S-213

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

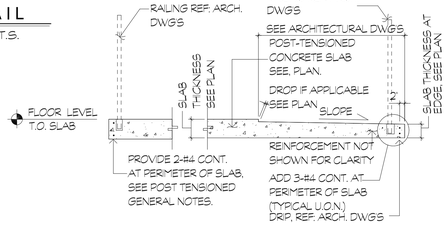


TYPICAL MULTIPLE WALL REINF. DETAIL

B-B DETAIL
S-214 / SCALE: N.T.S.



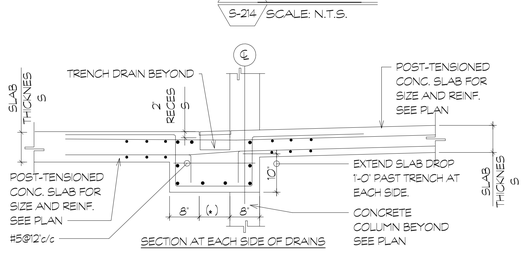
A-A DETAIL
S-214 / SCALE: N.T.S.



TYPICAL SECTION AT EDGE OF SLAB

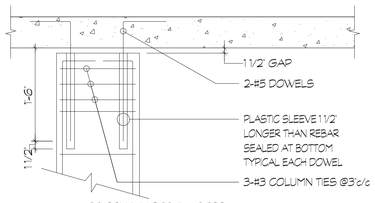
TYPICAL SECTION THRU BALCONY

Y DETAIL
S-214 / SCALE: N.T.S.



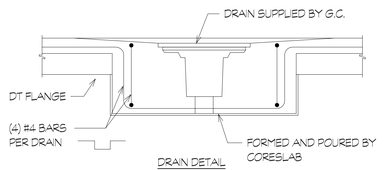
X DETAIL
S-214 / SCALE: N.T.S.

W DETAIL
S-214 / SCALE: N.T.S.



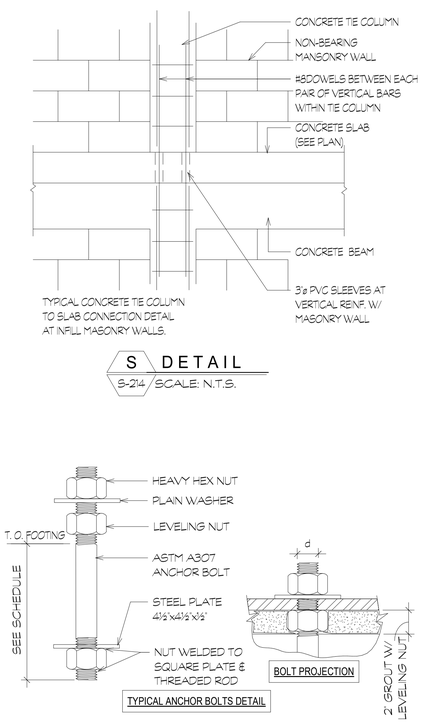
TIE-COLUMN DETAIL AT TOP

U DETAIL
S-214 / SCALE: N.T.S.



DRAIN DETAIL

T DETAIL
S-214 / SCALE: N.T.S.

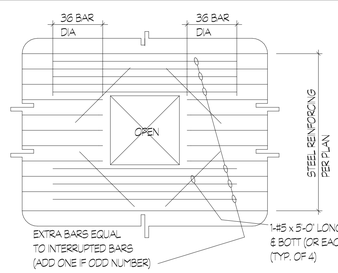


TYPICAL CONCRETE TIE COLUMN TO SLAB CONNECTION DETAIL AT INFILL MASONRY WALLS.

S DETAIL
S-214 / SCALE: N.T.S.

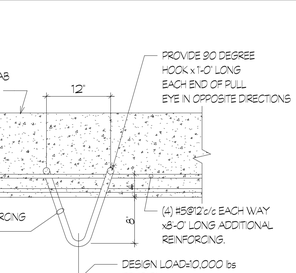
TYPICAL ANCHOR BOLTS DETAIL

R DETAIL
S-214 / SCALE: N.T.S.



NOTES:
1. REINFORCING DETAIL ABOVE IS TYPICAL UNLESS OTHERWISE SHOWN.
2. REPEAT REINFORCING IN THE OPPOSITE DIRECTION.
3. WHEN THE DIMENSION OF THE OPENING IS 10' OR LESS, BARS PERPENDICULAR TO THIS DIMENSION MAY BE SPREAD OR WRAPED AROUND OPENING.

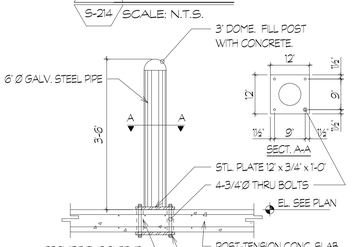
TYPICAL REINFORCING AROUND OPENINGS



F.P.L. PULLING EYE DETAILS
NOTE:
COORDINATE EXACT LOCATION WITH F.P.L. REQUIREMENTS.

V DETAIL
S-214 / SCALE: N.T.S.

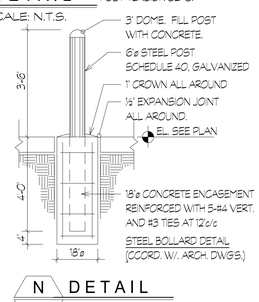
Q DETAIL
S-214 / SCALE: N.T.S.



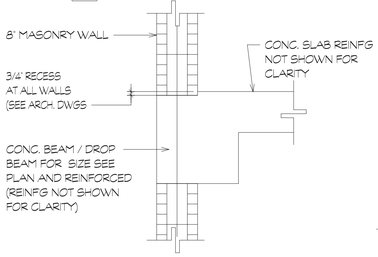
STEEL BOLLARD DETAIL (COORD. W/ ARCH. DWGS.)

NOTES:
1. ALL STEEL MEMBERS ARE TO BE HOT DIP GALVANIZED.
2. DO NOT DRILL THRU POST-TENSION SLAB.

P DETAIL
S-214 / SCALE: N.T.S.

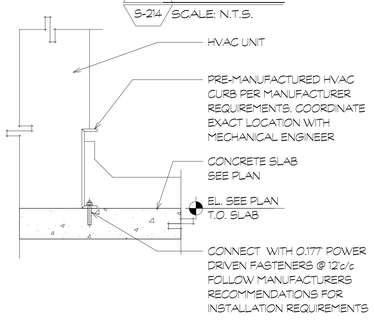


N DETAIL
S-214 / SCALE: N.T.S.



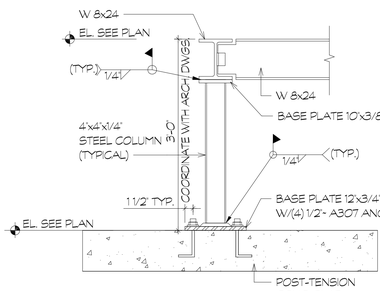
TYPICAL DETAIL AT EXTERIOR MASONRY WALLS
NOTE:
DETAIL APPLIES AT THE STRUCTURAL SECTIONS (SECTIONS DO NOT SHOW DETAIL FOR CLARITY)

M DETAIL
S-214 / SCALE: N.T.S.

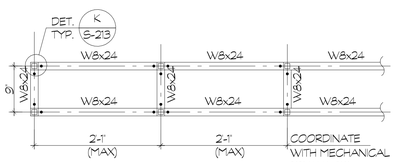


TYPICAL PRE-MANUFACTURED CURB CONNECTION DETAIL

L DETAIL
S-214 / SCALE: N.T.S.



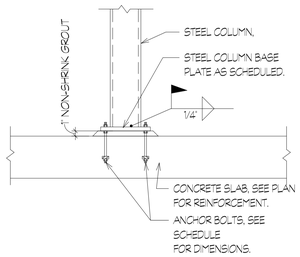
K DETAIL
S-214 / SCALE: N.T.S.



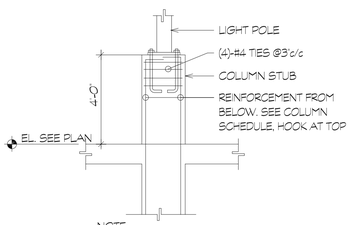
NOTE:
COORDINATE LOCATION AND ALL DIMENSIONS WITH ARCHITECTURAL AND MECHANICAL DWGS.
(•) DENOTES FULL MOMENT CONNECTION

CONDENSING UNIT FRAMING PLAN DETAIL

J DETAIL
S-214 / SCALE: N.T.S.

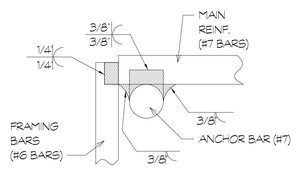


H DETAIL
S-214 / SCALE: N.T.S.



NOTE:
COORDINATE LIGHTPOLE SUPPORTS AND ANCHOR BOLTS W/LIGHTPOLE MANUFACTURER.

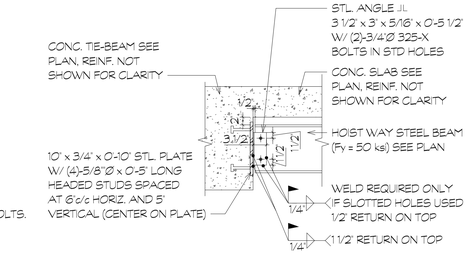
G DETAIL
S-214 / SCALE: N.T.S.



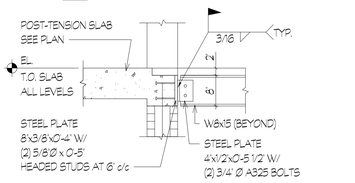
ANCHOR BAR WELDING DETAIL

ALL WELDED BARS TO BE ASTM A706 (WELDABLE STEEL)

F DETAIL
S-214 / SCALE: N.T.S.

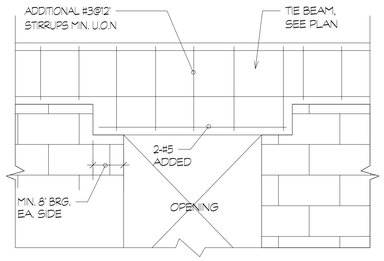


E DETAIL
S-214 / SCALE: N.T.S.



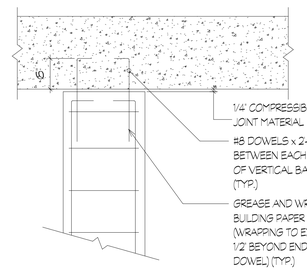
TYPICAL ELEVATOR BEAM CONNECTION

D DETAIL
S-214 / SCALE: N.T.S.



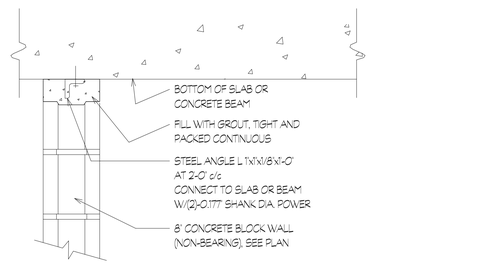
TYPICAL CONCRETE DROP AT OPENING

C DETAIL
S-214 / SCALE: N.T.S.



TYPICAL DETAIL AT NON-BEARING CONCRETE COLUMN

B DETAIL
S-214 / SCALE: N.T.S.



NON-BEARING BLOCK WALL SUPPORT DETAIL AT TOP (ALTERNATIVE)

A DETAIL
S-214 / SCALE: N.T.S.

NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARDS.

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AIDA M. ALBAISA P.E.
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10/28/2025 10:10:47 AM

Project Number
2312

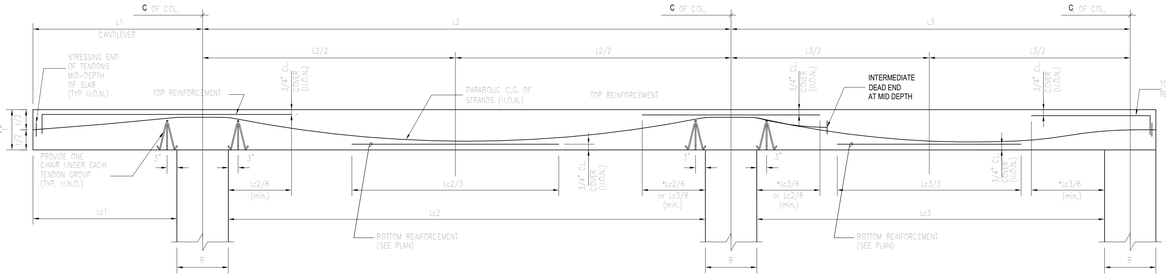
DISTRIBUTION
08-01-24

REV	DESCRIPTION	DATE
1	REVISION	11/8/24

TYPICAL DETAILS

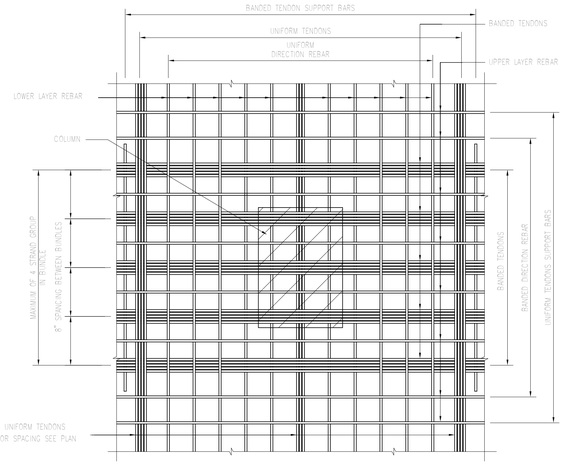
S-214

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



TYPICAL REINFORCEMENT AND TENDON PROFILE FOR TWO WAY SLAB.

N.T.S.



PLAN VIEW AT COLUMN

N.T.S.

UNIFORM TENDONS AT COLUMN CENTERLINE– TIED UNDER BANDED TENDONS.

PLACEMENT SEQUENCE:

1–PLACE UNIFORM TENDONS (INSIDE OF COLUMNS) W/LOWER LAYER BARS.

2–PLACE BANDED TENDONS W/UPPER LAYERS BARS.

3–PLACE UNIFORM TENDONS (OUTSIDE OF COLUMNS) UNDER UPPER LAYER BARS AND OVER BANDED TENDONS.

POST–TENSIONING SYMBOLS



CABLE PROFILE:

HP – HIGH POINT AT SUPPORTS

LP – LOW POINT AT MID SPAN

D.E. – DEAD END (*)

S. E. – STRESSING END (*)

(*) D.E. AND S.E. TO BE PLACED AT MID DEPTH (U.O.N.)

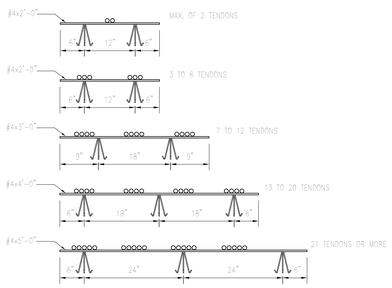
NOTATION:

B : SUPPORT WIDTH.

t : SLAB THICKNESS.

L1, L2, L3 : SPAN LENGTH (CENTER TO CENTER OF SUPPORTS).

c : CLEAR SPAN.

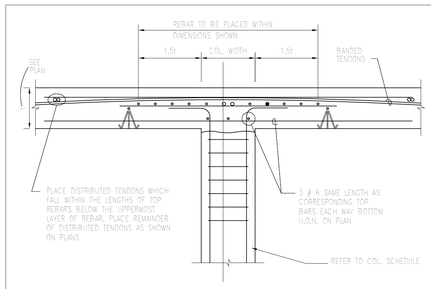


TYPICAL TENDONS DISTRIBUTION AND SUPPORT DETAIL

N.T.S.

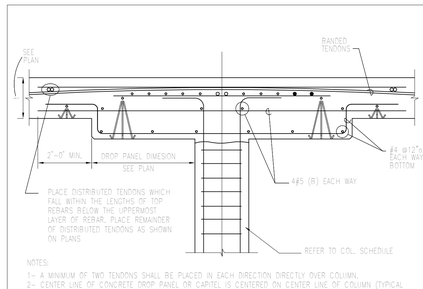
POST TENSIONED GENERAL NOTES:

1.– DESIGN IS BASED ON EFFECTIVE PRE–STRESSING FORCE OF 0.60 f'S (ULTIMATE STRENGTH), AND ANCHORED AT 0.70 f'S. TENDONS MAY BE STRESSED TO 0.80 f'S TO OVERCOME FRICTION. FORCES SHOWN ON DRAWINGS ARE MINIMUM EFFECTIVE FORCES, AFTER ALL LOSSES ARE INCURRED.
THE MAXIMUM EFFECTIVE FORCE SHALL BE TAKEN AS 27 KIPS PER TENDON.
THE CONTRACTOR AND HIS POSTENSION MATERIALS SUPPLIER ARE RESPONSIBLE FOR REVIEWING THE LOCATION OF CONSTRUCTION JOINTS AND/OR POUR STRIPS TO ASSURE ITS ADEQUACY IN ORDER TO ACHIEVE THE REQUIRED PRECOMPRESSION STRESSES ASSUMED IN THE STRUCTURAL DESIGN.
2.– CALCULATIONS OF FRICTION LOSSES SHALL BE SUBMITTED FOR APPROVAL. IN CASE FRICTION LOSS IS TOO HIGH TO BE COMPENSATED BY OVER–STRESSING, ADDITIONAL TENDONS SHALL BE PROVIDED BY THE CONTRACTOR AT NO EXTRA COST TO THE OWNER. IN THE CALCULATIONS OF FRICTION LOSS THE K AND U VALUES RECOMMENDED IN A.C.I. 318 (LATEST EDITION). THE POSTENSION MATERIALS SUPPLIER IS RESPONSIBLE FOR PROVIDING THE FINAL EFFECTIVE FORCES SHOWN ON THE STRUCTURAL DRAWINGS.
3.– TENDONS SHALL BE SHOP COATED WITH COATING COMPOUND TO PREVENT BOND, REDUCE FRICTION AND RESIST CORROSION. TENDONS SHALL BE ENCASED IN PLASTIC SHEATHING TO FURTHER ASSURE PREVENTION OF BOND. AFTER PLACEMENT OF TENDONS, THEY MUST BE INSPECTED FOR ANY DAMAGE IN THE SHEATHING OR EXPOSED STEEL AT THE END, AND MUST BE TAPED COMPLETELY TO INSURE PREVENTION OF BONDING. TENDONS SHALL BE DRAPED TO APPROXIMATE PARABOLIC PROFILE BETWEEN SUPPORTS, AND SHALL CONFORM TO THE CONTROL POINTS SHOWN IN THE PROFILE. DIMENSIONS SHOWN ON PLANS LOCATE THE CENTER OF GRAVITY OF THE TENDON OR GROUP OF TENDONS. LOW POINTS ARE AT MID SPAN, U.O.N. ADEQUATE SUPPORT BARS AND CHAIRS SHALL BE FURNISHED TO HOLD TENDONS IN THEIR CORRECT POSITION DURING THE CONCRETE PLACEMENT. THE SUPPORT CHAIRS AND SLAB RUNNERS, SHALL BE SECURELY CONNECTED TO THE SLAB FORM, WITH STAINLESS STEEL STAPLES, IN ORDER TO MAINTAIN TENDONS POSITION. VERTICAL TENDON DIMENSION SHALL NOT VARY MORE THAN 1/8" FROM THE DIMENSION SHOWN. SLIGHT DEVIATIONS IN SPACING OF SLAB TENDONS WILL BE PERMITTED WHERE REQUIRED TO AVOID OPENINGS, INSERTS AND DOWELS. WHERE TENDONS SEEM TO INTERFERE WITH EACH OTHER ONE TENDON MAY BE MOVED SLIGHTLY HORIZONTALLY IN ORDER TO AVOID THIS INTERFERENCE. WHERE THIS IS NOT POSSIBLE, AT SUPPORT POINTS, THEN THE BANDED TENDONS WILL BE RUN ABOVE THE UNIFORM TENDONS, U.O.N. WHERE MILD REINFORCING STEEL INTERFERES WITH TENDON LOCATION, THE TENDON LOCATION WILL CONTROL AND THE RE–BAR MOVED AS REQUIRED.
4.– TENSIONING OPERATIONS SHALL NOT COMMENCE UNTIL TEST CYLINDERS INDICATE THAT CONCRETE HAS REACHED A MINIMUM COMPRESSION STRENGTH OF 3000 P.S.I.. ALL POST–TENSIONED CONCRETE SHALL REMAIN SHORED UNTIL TENDONS ARE STRESSED.
5.– ANCHORING HARDWARE SHALL MEET THE MINIMUM REQUIREMENTS SET FORTH IN A.C.I 318 (LATEST EDITION), AND POST–TENSIONING INSTITUTE "RECOMMENDATIONS FOR CONCRETE MEMBERS PRE–STRESSED WITH UNBONDED TENDONS". THE SHEATHING SHALL BE CONNECTED TO ALL STRESSING, INTERMEDIATE AND FIXED ANCHORAGES IN A WATERTIGHT FASHION, THUS PROVIDING A COMPLETE ENCAPSULATION OF THE STRESSING STEEL FROM END TO END.
6.– SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW AND APPROVAL. DRAWINGS SHALL INDICATE THE FOLLOWING:
A) COMPLETE DETAILS OF PRE–STRESSING TENDONS INCLUDING THEIR ARRANGEMENT IN THE MEMBERS, TENDONS PROFILES, TENDON DESIGNATIONS, TYPES OF POST–TENSIONING ENCLOSURES, EXPECTED ELONGATIONS, ANCHORAGE DETAILS AND STRESSING DATA.
B) CLEARANCE REQUIREMENTS FOR THE HYDRAULIC EQUIPMENT AND THE DEPTH FOR ANY POCKETS IN THE MEMBERS, WHENEVER STRESSING IS TO BE PERFORMED AT AN ANGLE OTHER THAN 90 DEGREES TO THE OUTSIDE EDGE OF THE SLAB, POSITIONING OF BLOCK–OUTS FOR STRESSING ENDS MUST BE DETAILED.
C) LOCATION AND HEIGHT OF CHAIRING DEVICES, PLACING SEQUENCE AND ELONGATION OF STRANDS. (COORDINATE WITH REINFORCING BAR DRAWINGS). CARRYING BARS FOR HIGH POINTS SHALL BE #3 MINIMUM SIZE.
D) SHOP DRAWINGS MUST SHOW GENERAL CONTRACTOR'S PROPOSED LOCATIONS OF ALL CONSTRUCTION JOINTS AND/OR POUR STRIPS.
E) THE POST TENSIONING SLAB FOR THE TOWER HAS BEEN DESIGNED CONSIDERING THAT THE CONSTRUCTION OF THE DECK (IF APPLICABLE) WILL START AFTER THE ROOF SLAB FOR THE TOWER HAS BEEN POURED.
7.– THE POST–TENSIONING MATERIAL SUPPLIER SHALL HAVE TECHNICAL REPRESENTATIVE ON THE SITE TO INSTRUCT THE POST–TENSIONING REINFORCEMENT PLACING CONTRACTOR IN THE PROPER METHOD OF INSTALLATION, INSPECTION, AND STRESSING OF CABLES. IF REQUIRED, REPRESENTATIVE SHALL BE PRESENT TO INSPECT THE PLACING AND THEN THE STRESSING OPERATIONS, OR AT ANY OTHER TIME. THE REPRESENTATIVE WILL ALSO REVIEW ALL THE STRESSING RECORDS AND APPROVE THE SAME. AN INDEPENDENT LABORATORY OR INDEPENDENT ENGINEER WILL BE RETAINED TO MARK THE TENDONS PRIOR TO STRESSING AND RECORD TENDONS ELONGATION AND FORCES, AND WITNESS THE COMPLETE STRESSING OPERATION, SUBMITTING A COPY OF THE ORIGINAL RECORD TO THE ENGINEER AND TO THE TENDON SUPPLIER FOR APPROVAL. NO BURNING–OFF OF TENDONS IS PERMITTED WITHOUT APPROVAL OF ENGINEER AND TENDON SUPPLIER. ACTUAL RECORDED ELONGATIONS ARE TO BE WITHIN 7% (+/–) OF THE CALCULATED ELONGATIONS.
8.– PLACING OF THE REINFORCING STEEL AND POST–TENSIONING TO BE DONE BY THE SAME FIRM. SUCH PLACING SUBCONTRACTOR MUST HAVE LOCAL EXPERIENCE IN POST–TENSIONING WORK AND HAVE PLACED AT LEAST TWO OTHER SIMILAR STRUCTURES UNDER THE SAME CORPORATION NAME.
9.– ALL POST–TENSIONING STEEL SHALL BE STRESSED BY MEANS OF HYDRAULIC RAMS EQUIPPED WITH ACCURATE READING CALIBRATED HYDRAULIC PRESSURE GAUGES SO AS TO PERMIT THE STRESS IN THE POST–TENSIONING STEEL TO BE COMPUTED AT ANY TIME. A CERTIFIED CALIBRATION CURVE SHALL ACCOMPANY EACH RAM. IF INCONSISTENCY BETWEEN THE MEASURED ELONGATION AND THE RAM GAUGE OCCURS, THE JACK GAUGE SHALL BE IMMEDIATELY RE–CALIBRATED, AN AGREEMENT WITHIN 7% SHALL BE SATISFACTORY. SUPERVISION OF CONTRACTOR'S PERSONNEL IN THE STRESSING OPERATION AND STRESSING EQUIPMENT WITH CERTIFIED HYDRAULIC GAUGE SHALL BE PERFORMED BY THE SUPPLIERS TECHNICAL REPRESENTATIVE AND INDEPENDENT LABORATORY OR INDEPENDENT ENGINEER, IN ORDER TO INSURE THAT PROPER CALIBRATION IS MAINTAINED, CARE SHALL BE TAKEN IN HANDLING STRESSING EQUIPMENT. PRECAUTIONS SHALL BE TAKEN TO INSURE THAT THE STRESSING OPERATION IS CONDUCTED IN A SAFE MANNER.
10.– ALL INSERTS FOR SUSPENDED MECHANICAL, ELECTRICAL AND ARCHITECTURAL WORK SHALL BE CAST IN PLACE. IF ADDITIONAL FASTENERS ARE REQUIRED, POWER DRIVEN FASTENERS WILL BE PERMITTED ONLY WHERE IT CAN BE SHOWN THAT THE INSERTS ARE LOCATED SO AS TO AVOID THE TENDONS AND MUST SUBMIT TO ENGINEER FOR HIS APPROVAL. UNDER NO CONDITION SHALL A TENDON BE CUT OR OTHERWISE DAMAGED AFTER CONCRETE HAS BEEN PLACED. NO OPENINGS WILL BE PERMITTED WITHOUT THE APPROVAL OF THE ENGINEER AND SUPPLIER. IF A TENDON IS CUT, THE GENERAL CONTRACTOR WILL CONTACT THE ENGINEER AND THE TENDON SUPPLIER FOR RECOMMENDATIONS FOR REPAIRS. NO REPAIRS WILL BE UNDERTAKEN WITHOUT PERMISSION AND APPROVAL OF THE ENGINEER AND SUPPLIER. COSTS FOR SAID REPAIRS WILL BE PAID BY THE GENERAL CONTRACTOR, AT NO COST TO THE OWNER. ALL CABLES BROKEN DURING THE CONSTRUCTION PHASE HAS TO BE FIXED.
11.– THE ORDER OF STRESSING OF POST–TENSIONING REINFORCING TENDONS SHALL BE THE UNIFORM CABLES FIRST, THE BANDED TENDONS SECOND AND THE GIRDERS (IF APPLICABLE) LAST.
12.– THE GENERAL CONTRACTOR SHALL COORDINATE THE DETAILING AND PLACING OF TENDONS AND MILD REINFORCING STEEL BETWEEN SUPPLIERS AS REQUIRED. CONTRACTOR MUST VERIFY ALL TYPICAL REINFORCEMENT DETAILS APPLICABLE TO THIS PROJECT.
13.– ALL TENDONS SHALL HAVE BEEN STRESSED BEFORE CONCRETE FOR FLOOR ABOVE IS PLACED.
14.– GENERAL CONTRACTOR TO SUBMIT SIGNED AND SEALED (BY FLORIDA REGISTERED PROFESSIONAL ENGINEER) SHORING AND RE–SHORING PLANS, AND RE–SHORING SCHEDULE, FOR APPROVAL BY ARCHITECT AND ENGINEER, PRIOR TO COMMENCEMENT OF ANY ELEVATED STRUCTURAL WORK. THE RE–SHORING SCHEDULE IS TO INCLUDE THE EXACT TIME SEQUENCE THAT THE FLOORS ARE TO BE STRIPPED RE–SHORED AND RE–SHORES REMOVED.
15.– PROVIDE 1#5 TOP & BOTT. CONT. BAR AROUND PERIMETER OF THE SLAB. PROVIDE #4@24" O.C. HOOKED BAR AROUND THE SLAB PERIMETER U.O.N. ON PLAN.
16.– THE CONTRACTOR MUST INCLUDE AN ADDITIONAL AMOUNT OF P.T. MATERIAL EQUAL TO 3% OF THE TOTAL QUANTITY ESTIMATED BY THE P.T SUPPLIER. THIS MATERIAL WILL BE USED THROUGH THE PROJECT WHEN REQUESTED BY THE ENGINEER, AT THE END OF THE PROJECT, THE CONTRACTOR WILL REIMBURSE THE OWNER FOR THE PORTION OF THE MATERIAL NOT USED.
17.– THE CONTRACTOR MUST INCLUDE IN HIS ESTIMATE AN ADDITIONAL AMOUNT OF CONCRETE EQUAL TO .5 cu. yd PER FLOOR. THIS MATERIAL WILL BE USED THROUGH THE PROJECT WHEN REQUESTED BY THE ENGINEER, AT THE END OF THE PROJECT, THE CONTRACTOR WILL REIMBURSE THE OWNER FOR THE PORTION OF THE MATERIAL NOT USED.
18.– PROVIDE #4@30"EW MIN. BOTTOM MAT FOR ANY SLAB OF 10" THICK OR MORE ANY REINFORCEMENT SHOWN IN PLAN IS AN ADDITIONAL TO THE BOTTOM MAT, U.O.N. ON PLAN.
19.– ANY TOP REINFORCEMENT OVER COLUMN HEAD NOT SHOWN ON PLAN SHALL BE ASSUMED AS 12#5x12'–0" EACH WAY.
20.– WHEN THE BOTTOM STEEL AT MIDDLE SPAN IS NOT CLEARLY INDICATED A MINIMUM OF #5@12"x12'–0" SHALL BE ASSUMED.
21.– WHEN A PLAN DOESN'T SHOW ANY STEEL REINFORCEMENT THE MINIMUM AMOUNT FOR THAT SLAB SHALL BE TAKEN AS 1.5 psf. FOR MATERIAL ESTIMATE.
22.– BASED ON INDUSTRY STANDARD, IT IS THE RESPONSIBILITY OF THE SPECIALTY ENGINEER (CABLE SUPPLIER) TO REVIEW AND CERTIFY THAT THE STRESSING LOG IS ACCEPTABLE ONCE ALL ISSUES ARE RESOLVED TO HIS SATISFACTION. THE CERTIFICATION SHALL CONSIST OF A SIGNED AND SEALED LETTER DIRECTED TO THE ENGINEER OF RECORD STATING THAT THE STRESSING LOG IS SATISFACTORY. A COPY OF THE STRESSING LOG SHALL BE ATTACHED TO THE CERTIFICATION LETTER.
23.– NO DRILLING AND/OR CHIPPING OF THE POST TENSIONED CONCRETE SLAB IS PERMITTED UNLESS PERVIOUS APPROVAL OF THE E.O.R. IN THE EVENT THAT DRILLING AND/OR CHIPPING OF THE POST TENSIONED CONCRETE SLAB IS PERMITTED, THE CONTRACTOR IS RESPONSIBLE TO LOCATE ALL TENDONS IN THE AREA AFFECTED TO AVOID TENDON DAMAGE.



TYPICAL COLUMN–SLAB SECTION

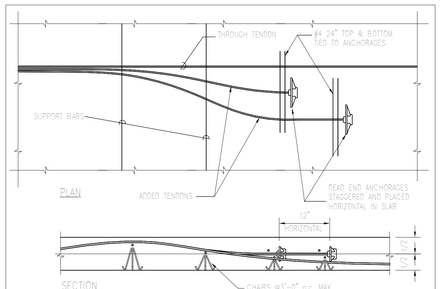
N.T.S.



NOTES:
1– A MINIMUM OF TWO TENDONS SHALL BE PLACED IN EACH DIRECTION DIRECTLY OVER COLUMN.
2– CENTER LINE OF CONCRETE DROP PANEL OR CAPITEL IS CENTERED ON CENTER LINE OF COLUMN (TYPICAL U.O.N.)

TYPICAL DROP PANEL SECTION

N.T.S.



PLACEMENT OF ADDED TENDON

N.T.S.

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1	REVISION	11/8/24

POST-TENSIONED NOTES AND DETAILS

S-215

NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARS.

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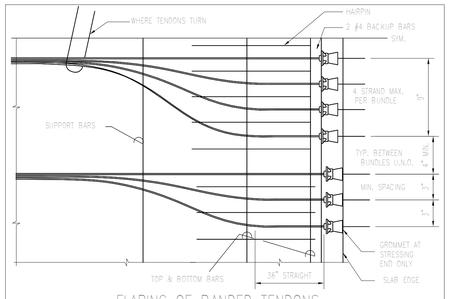
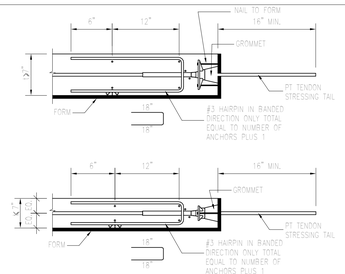


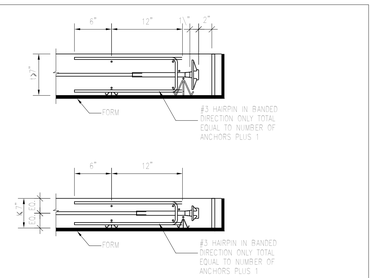
FLARING OF BANDED TENDONS AT SLAB EDGE

N.T.S.



STRESSING END ANCHOR IN CORROSIVE ENVIRONMENT

N.T.S.



DEAD END IN CORROSIVE ENVIROMENT

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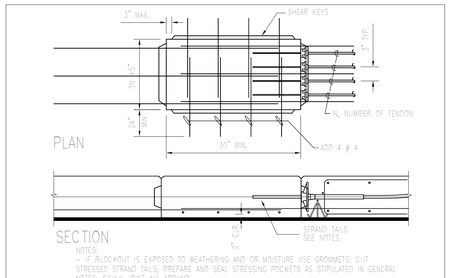
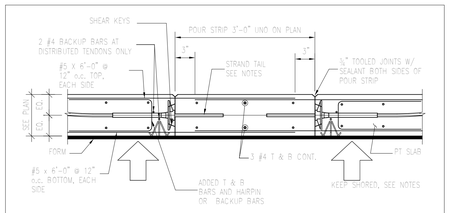


STRESSING BLOCKOUT

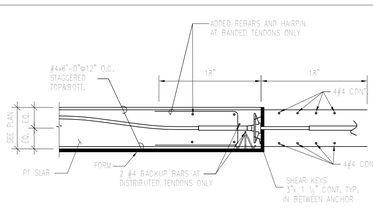
N.T.S.



NOTES:
1- RETAIN SHORING UNTIL CLOSURE CONCRETE REACHES SLAB'S DESIGN STRENGTH OR 28 DAYS.
2- PROVIDE KEY JOINT BETWEEN ANCHORS.
3- CLOSURE STRIP TO BE POURED WITH NON-SHRINK CONCRETE NOT LESS THAN 28 DAYS AFTER STRESSING.
4- CUT STRESSED STRAND TAILS, GREASE AND PLACE END CAP AS STIPULED IN GENERAL NOTES.

POUR STRIP IN SLAB FOR CORROSIVE ENVIRONMENT

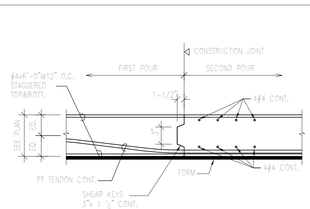
N.T.S.



NOTE: SLIDE / PLACE AND SEAL CORROSION PROTECTIVE SLEEVE OVER EXPOSED STRAND AFTER STRESSING

CONSTRUCTION JOINT WITH INTERMEDIATE STRESSING IN CORROSIVE ENVIRONMENT

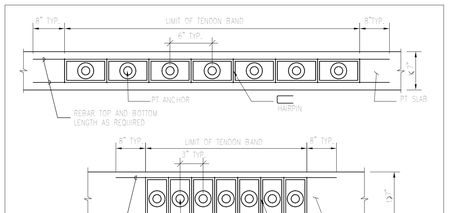
N.T.S.



NOTE: JOINTS SHALL BE LOCATED CLOSE TO 1/4 OF SPAN

CONSTRUCTION JOINT WITH NO INTERMEDIATE STRESSING

N.T.S.



TYPICAL REINFORCEMENT OF TENDON BAND AT SLAB EDGE OR INTERMEDIATE STRESSING IN CORROSIVE ENVIRONMENT

N.T.S.

BOTTOM BARS LEGEND

DENOTES ONE OUT OF THREE BARS EXTENDED INTO SUPPORTS

DENOTES ONE OUT OF TWO BARS EXTENDED INTO SUPPORTS

DENOTES ALL BARS EXTENDED INTO SUPPORTS

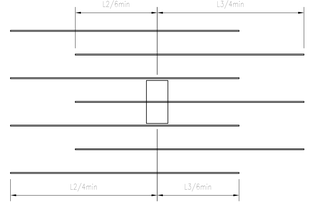
REINFORCEMENT LEGEND

DENOTES TOP REINFORCEMENT

DENOTES TYPICAL REBAR DISTRIBUTION EXTENDED FROM END TO END

DENOTES CONT. TOP REINFORCEMENT

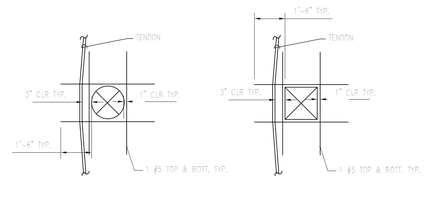
DENOTES CONT. BOTTOM REINFORCEMENT



NOTE: BAR LENGHT IS L1/4+L2/4 OR L1/4+L2/6 WHICHEVER IS GREATER

TYPICAL TOP REINFORCEMENT LENGTH OVER SUPPORT (U.O.N.)

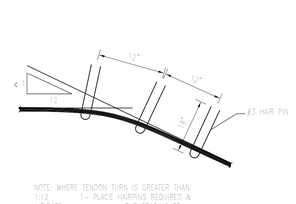
N.T.S.



REINF. FOR OPENINGS IN SLAB, 10"-24"
SINGLE OPENINGS OF SMALLER DIMENSION DO NOT REQUIRE TRIM BARS.
FOR OPENINGS OF LARGER DIMENSION AND MULTIPLE OPENINGS REFER TO

TRIM BARS AT SLAB OPENINGS

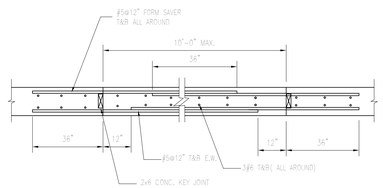
N.T.S.



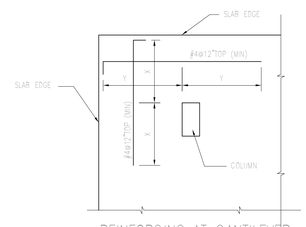
NOTE: WHERE TENDON TURN IS GREATER THAN 1:12 1- PLACE HAIRPINS REQUIRED & INDICATE THE SPACING TO PREVENT BLOW OUT AND/OR LATERAL MOVEMENT

TENDON PLACEMENT FOR TURNS 1:12>

N.T.S.

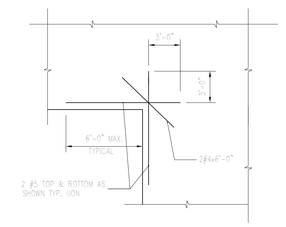


CRANE OPENING DETAIL



REINFORCING AT CANTILEVER SLAB CORNER (TYPICAL U.O.N.)

N.T.S.



TRIM BARS AT RE-ENTRANT CORNERS (U.O.N. ON PLAN)

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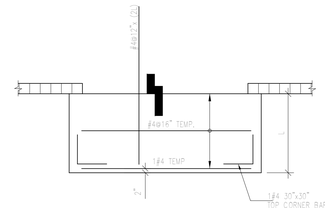

BALCONIES REINFORCEMENT (TYPICAL U.O.N.)

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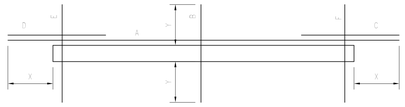
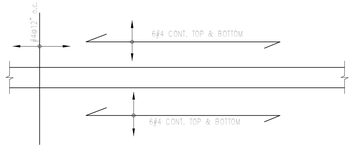


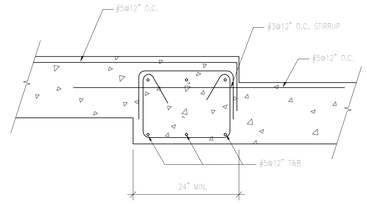
A	8 # 4 @ 12" T&B	FOR SLAB THICKNESS ≤ 8"
	8 # 5 @ 12" T&B	FOR SLAB THICKNESS > 8"
B	# 4 @ 12"	FOR SLAB THICKNESS ≤ 8"
	# 5 @ 12"	FOR SLAB THICKNESS > 8"
C, D, E, F	TOP BARS 8'-0" LONG MIN.	ADDITIONAL TOP REINF. SHOWN IN PLAN
X, Y	4'-0" OR Lc/6	WHICHEVER IS GREATER

TYPICAL REINFORCEMENT OVER SHEARWALLS (U.O.N.)

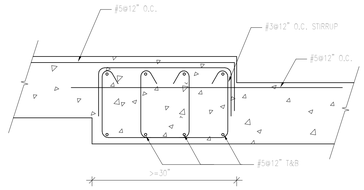
N.T.S.



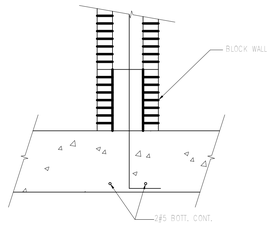
(BEAMS, CONCRETE WALL OR BEARING BLOCKWALL)



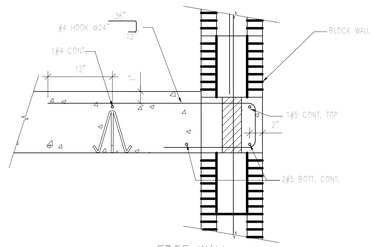
TYPICAL DROP SLAB REINFORCEMENT. (TYPICAL U.O.N.)



TYPICAL DROP SLAB REINFORCEMENT. (TYPICAL U.O.N.)

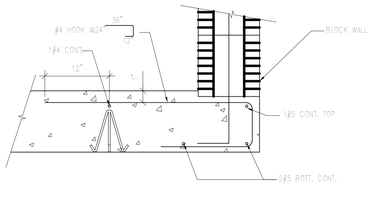


INTERIOR WALL

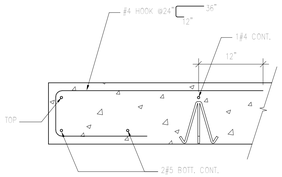


EDGE WALL

TYPICAL REINF. UNDER MASONRY WALL (TYPICAL U.O.N.)



EDGE WALL



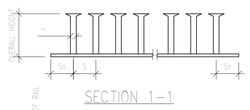
TYPICAL SLAB EDGE REINFORCEMENT. (TYPICAL U.O.N.)

SHEAR STUD REINFORCEMENT SCHEDULE

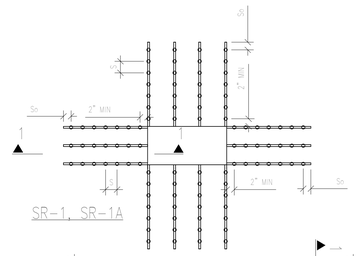
MARK	NUMBER OF RAILS/ COLUMN	NUMBER OF STUDS/ RAIL	STUD DIAMETER (Φ	DISTANCE TO FIRST STUD (So)	STUD SPACING (Sn)	OVERALL HEIGHT OF RAIL	TOP COVER	BOTTOM COVER
SR-1	12	8	1/2"	2 1/2"	4 3/4"	*	*	*
SR-1A	12	16	1/2"	2 1/2"	2 3/4"	*	*	*
SR-1B	8	14	1/2"	2 1/2"	2 1/2"	*	*	*
SR-1C	8	10	1/2"	2 1/2"	3 1/2"	*	*	*
SR-1D	12	10	1/2"	2 1/2"	4 1/2"	*	*	*
SR-1E	12	11	1/2"	2 1/4"	3 3/4"	*	*	*
SR-1F	8	16	5/8"	2 3/4"	3 1/2"	*	*	*
SR-1G	8	10	5/8"	3 3/4"	3 3/4"	*	*	*
SR-2	9	8	1/2"	2 1/2"	4 3/4"	*	*	*
SR-2A	10	12	1/2"	2 3/4"	2 3/4"	*	*	*
SR-2B	9	11	1/2"	2 3/4"	2 3/4"	*	*	*
SR-2C	6	18	1/2"	2 1/2"	3"	*	*	*
SR-2D	7	12	5/8"	3 1/2"	3 1/2"	*	*	*
SR-2E	10	9	5/8"	2 3/4"	2 3/4"	*	*	*
SR-2F	9	18	1/2"	2 1/2"	3 1/4"	*	*	*
SR-2G	9	14	1/2"	2 1/2"	4 3/4"	*	*	*
SR-2H	8	14	5/8"	2 1/2"	2 3/4"	*	*	*
SR-2J	6	10	5/8"	5 3/4"	5 3/4"	*	*	*

* SEE PLANS FOR SLAB THICKNESS AND COVER

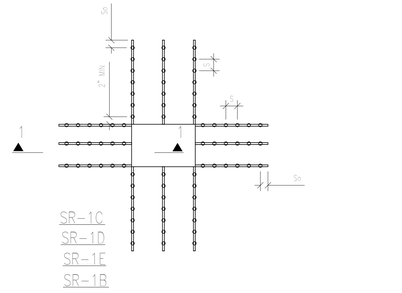
SHEAR REINFORCEMENT AT THE SLAB COLUMN CONNECTION AS SHOWN ON THE DRAWINGS AND DETAILS SHOULD BE STUDRAILS AS MANUFACTURED BY DECON OR SIMILAR AND DETAILED IN ICC ESR-2494. STUDRAILS SHALL CONFORM TO THE LATEST UPDATE OF ASTM A1044.

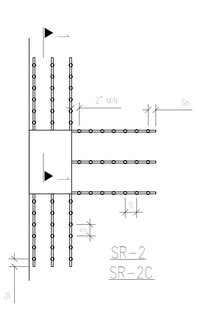


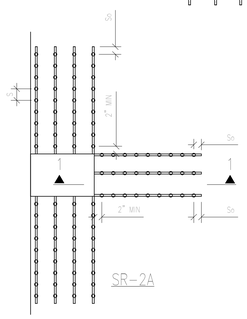
SECTION 1-1

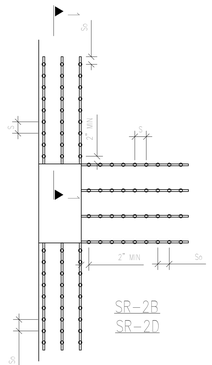


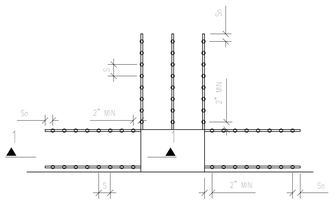
SR-1, SR-1A











TYPICAL SHEAR REINFORCEMENT DETAILS

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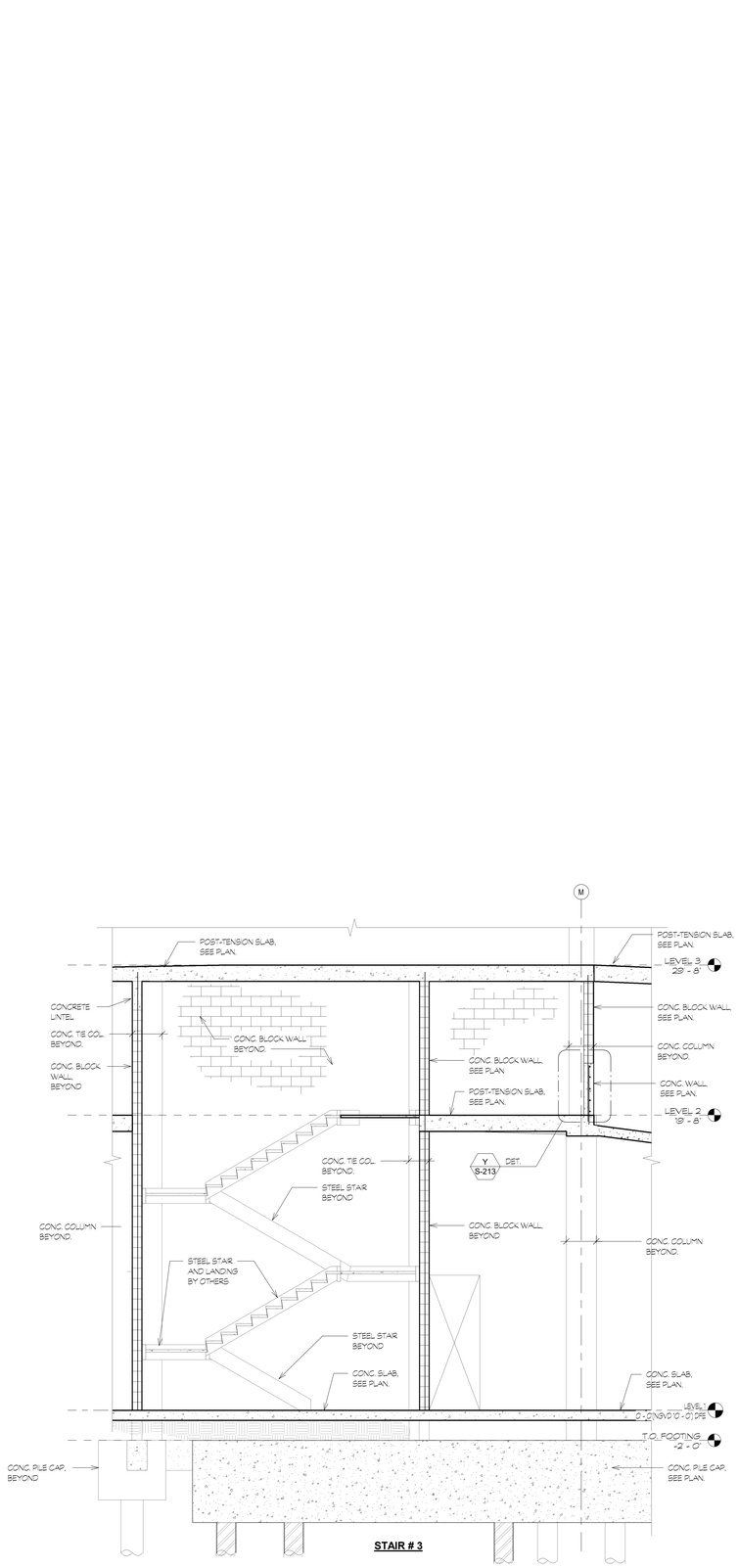
REV	DESCRIPTION	DATE
1	REVISION	11/8/24
3	Revision 4	Date 4
4	PLAN REVIEW	06/30/25

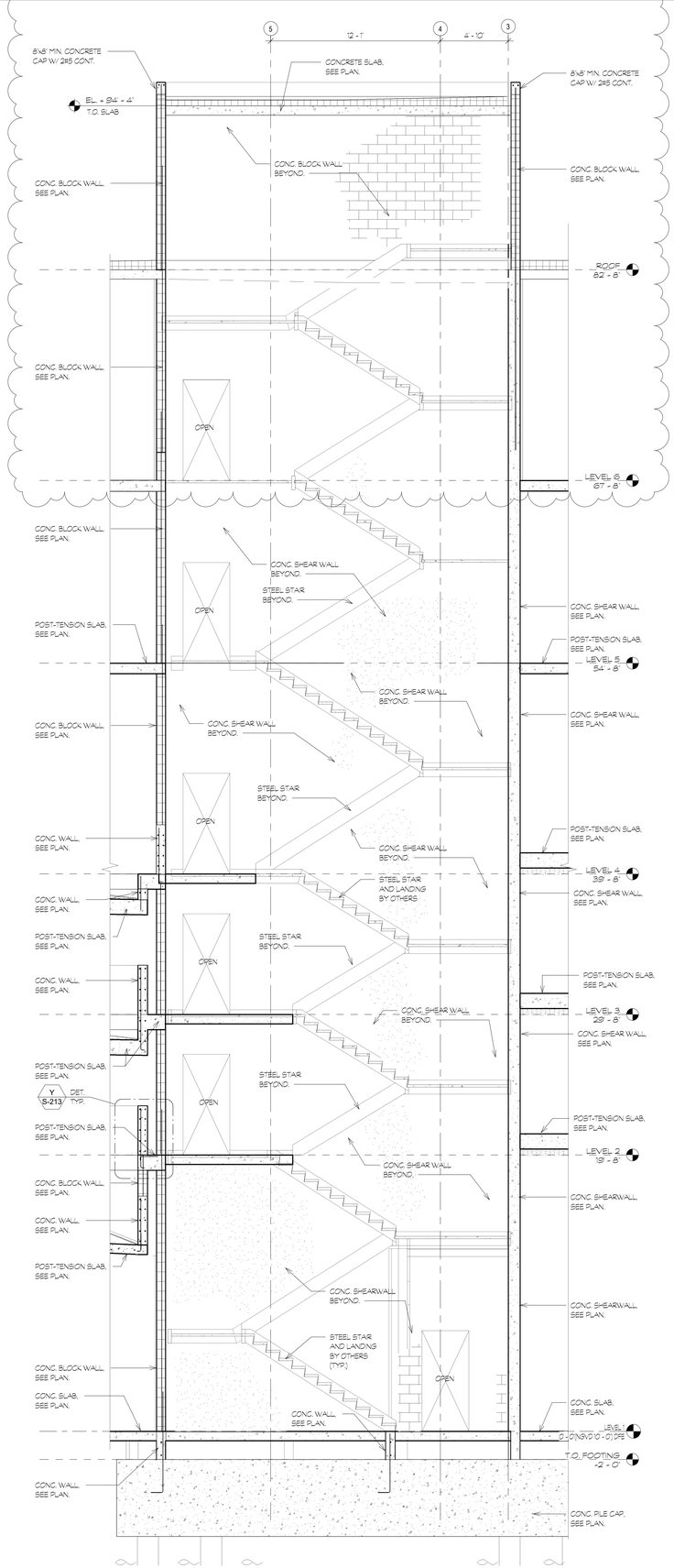
TYPICAL. SHEAR REINF'G DETAILS

S-217



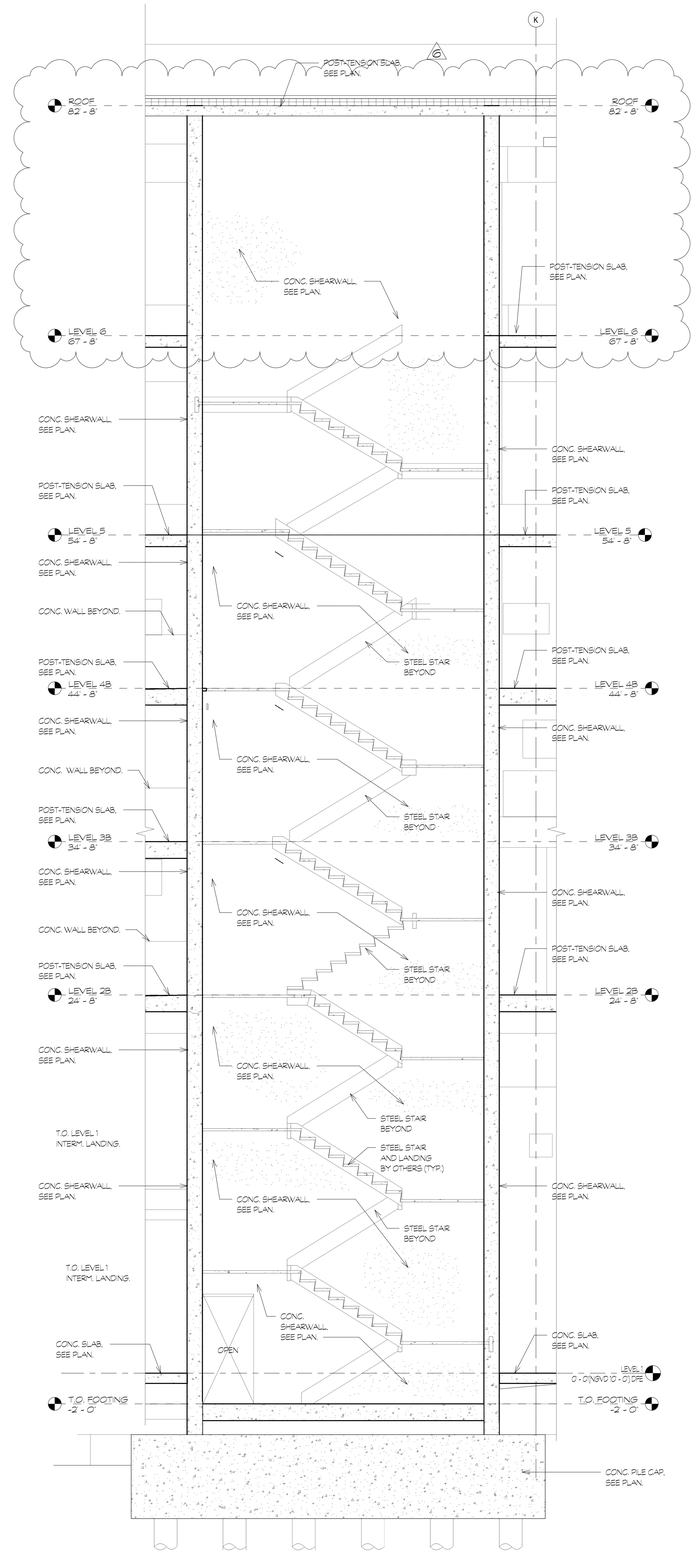
STAIR # 3

1 SECTION
S-300 1/4" = 1'-0"



STAIR # 2

2 SECTION
S-300 1/4" = 1'-0"



STAIR # 1

3 SECTION
S-300 1/4" = 1'-0"

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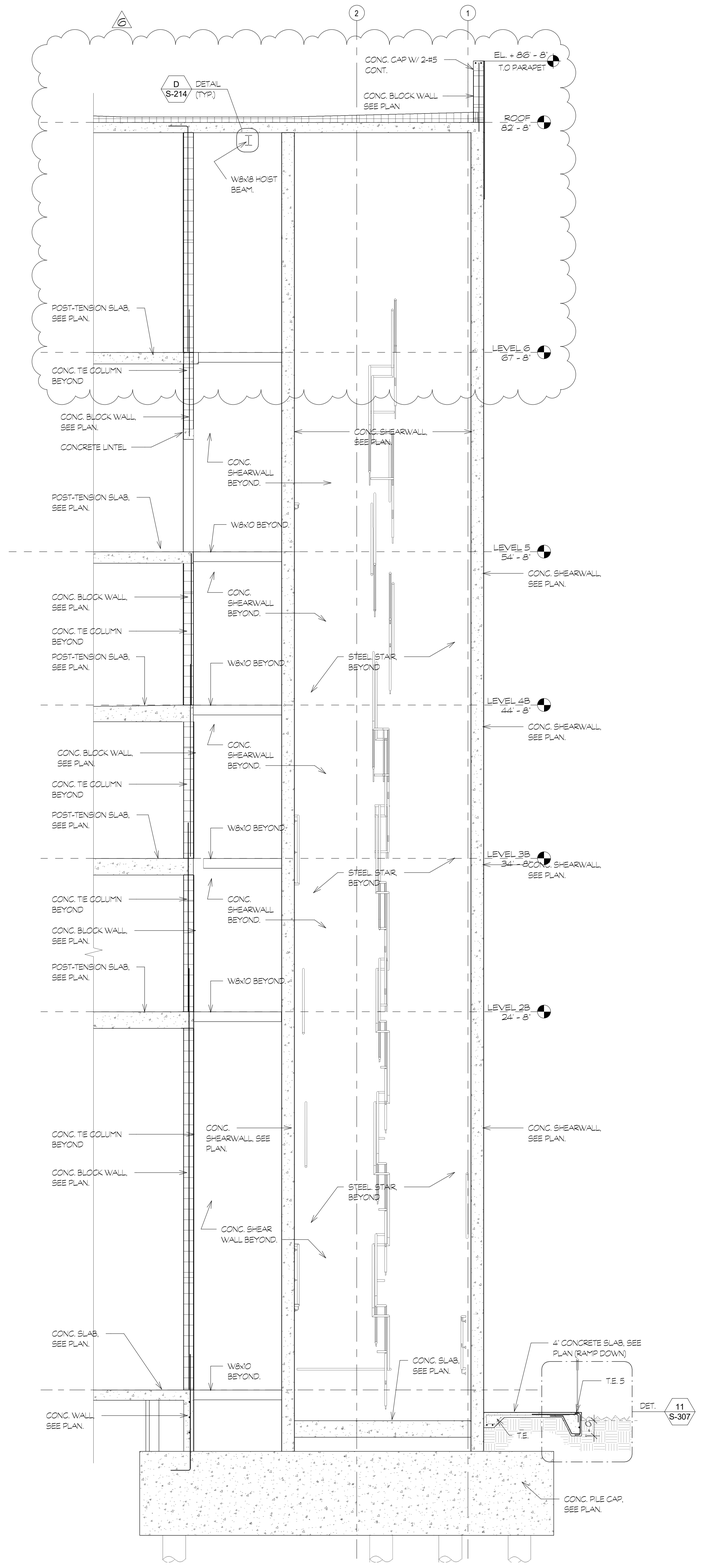
REV	DESCRIPTION	DATE
1	REVISION	11/8/24
6	Revision 6	10/27/25

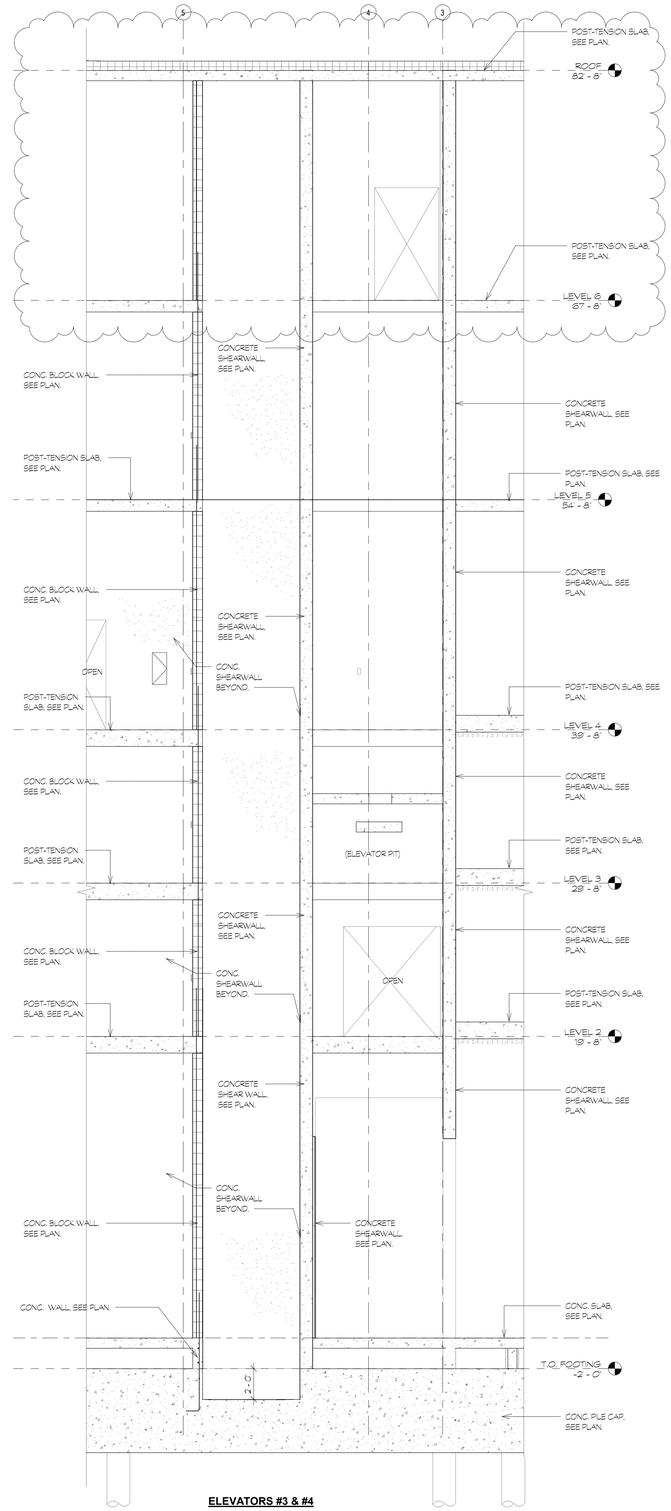
SECTIONS

S-300



ELEVATORS #1 & #2

1 S-301 SECTION 1/4" = 1'-0"



ELEVATORS #3 & #4

2 S-301 SECTION 1/4" = 1'-0"

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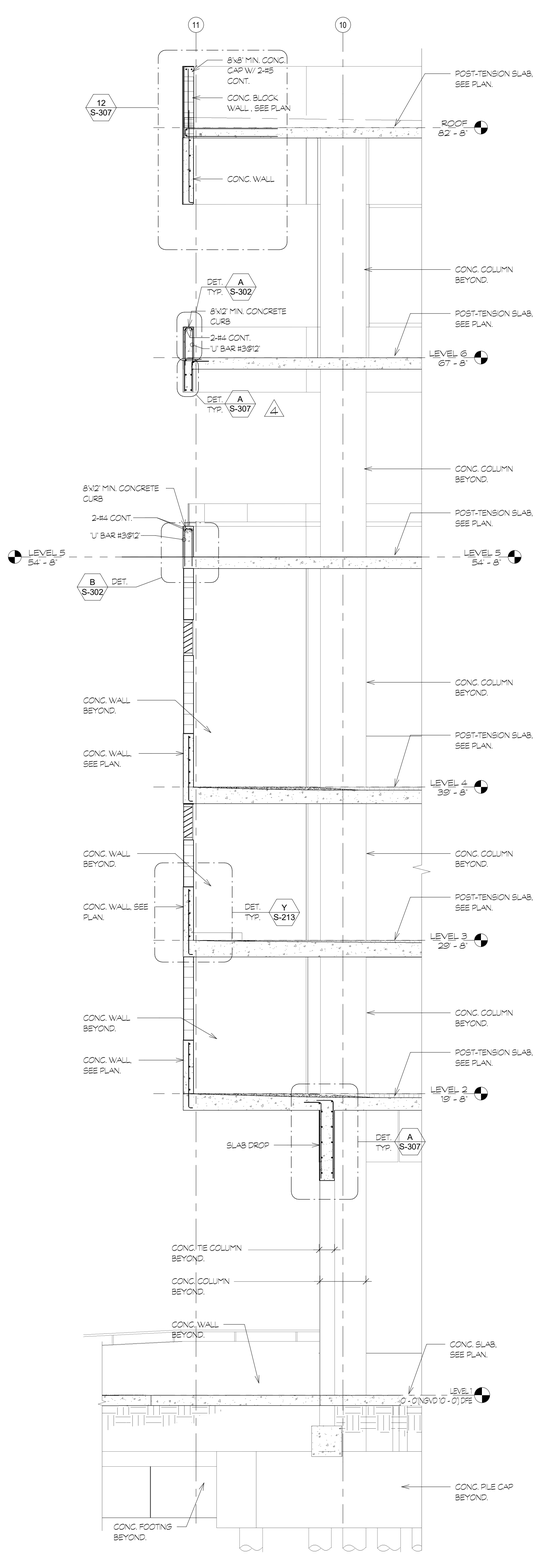
REV	DESCRIPTION	DATE
1	REVISION	11/8/24
6	Revision 6	10/27/25

SECTIONS

S-301



1 SECTION
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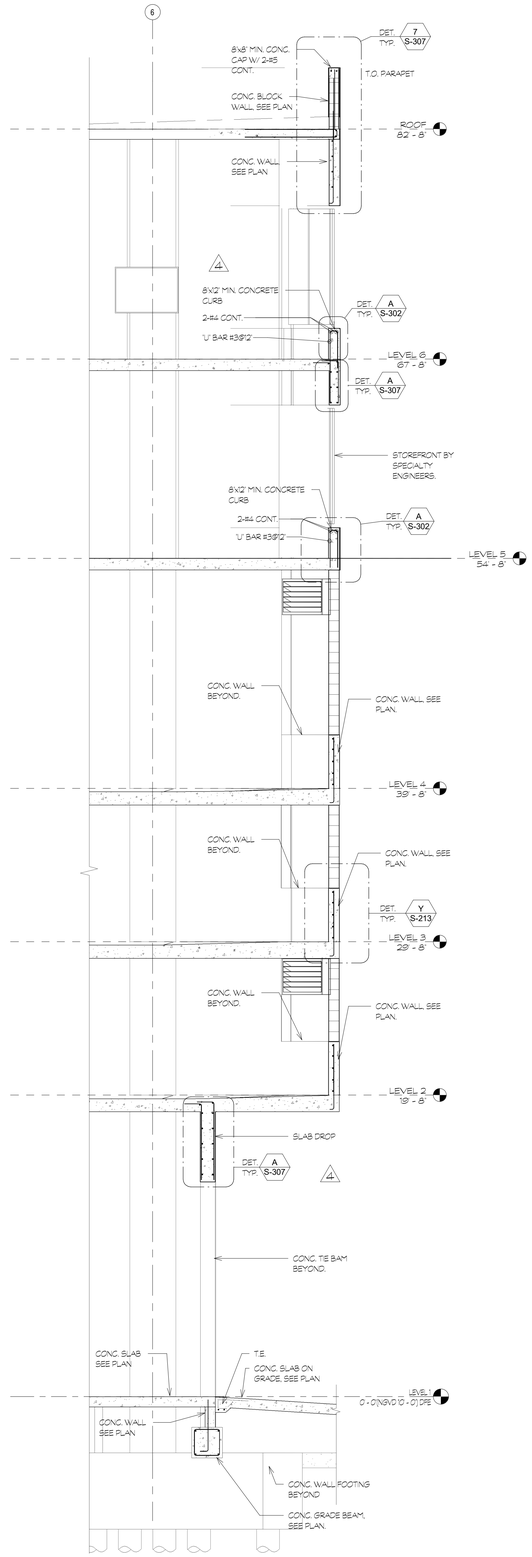
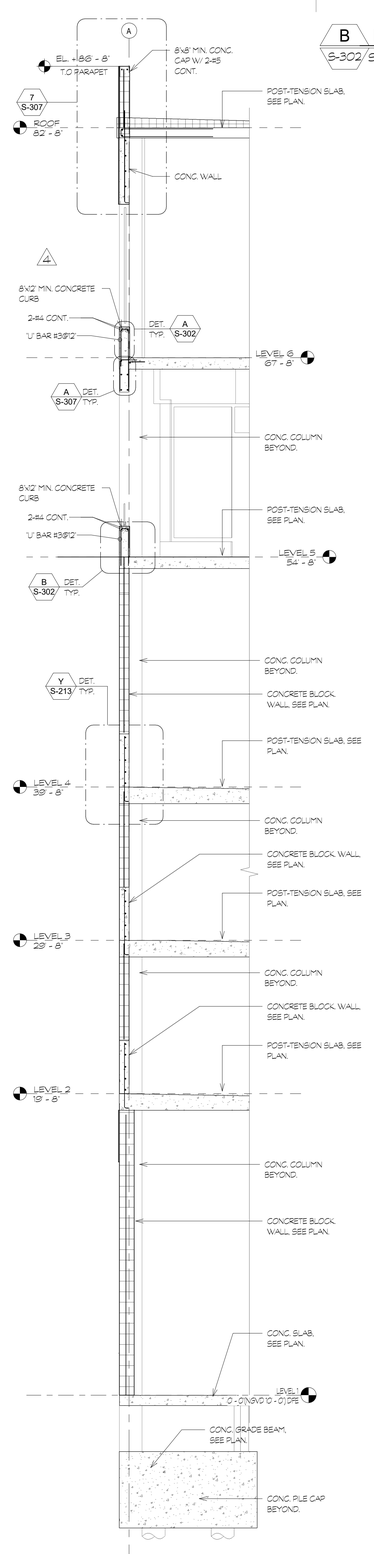
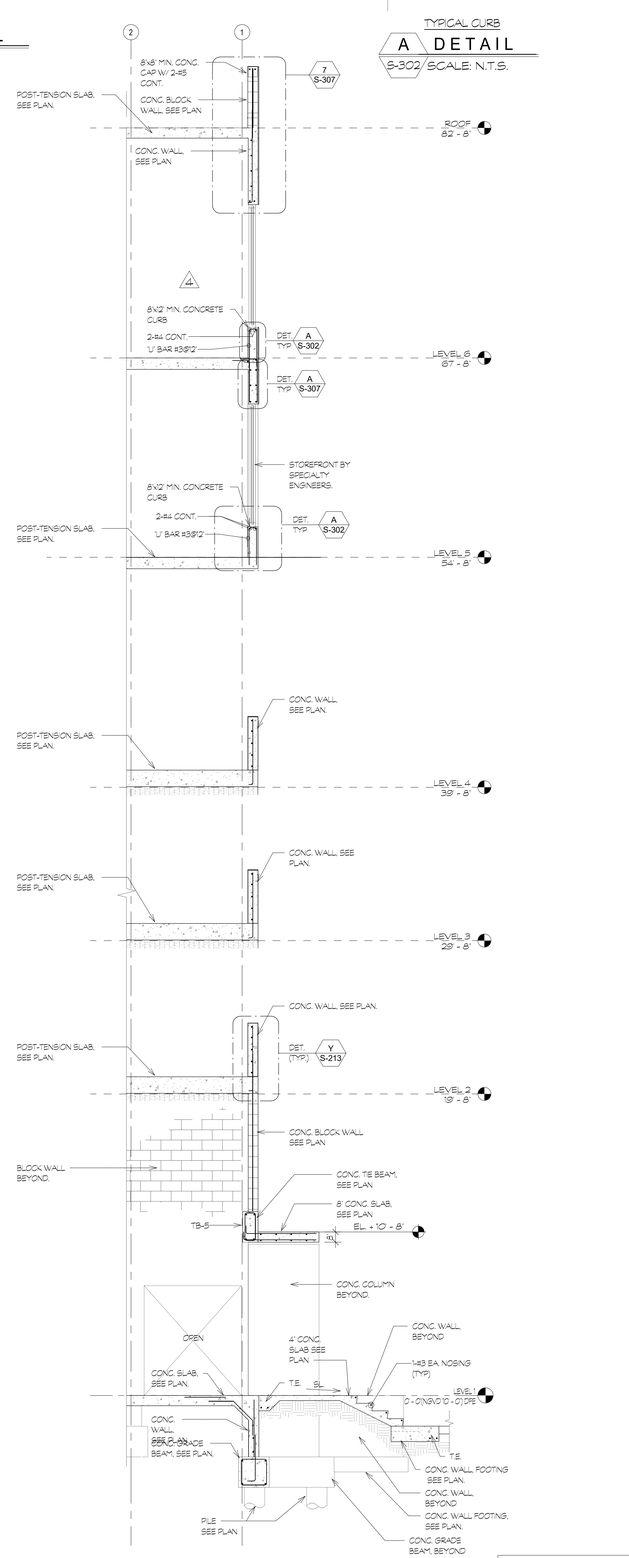


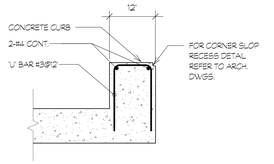
2 SECTION
S-302 1/4" = 1'-0"



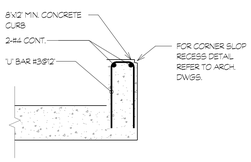
3 SECTION
S-302 1/4" = 1'-0"



4 SECTION
S-302 1/4" = 1'-0"



B DETAIL
S-302 SCALE: N.T.S.



TYPICAL CURB
A DETAIL
S-302 SCALE: N.T.S.

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4	PLAN REVIEW	06/30/25

SECTIONS

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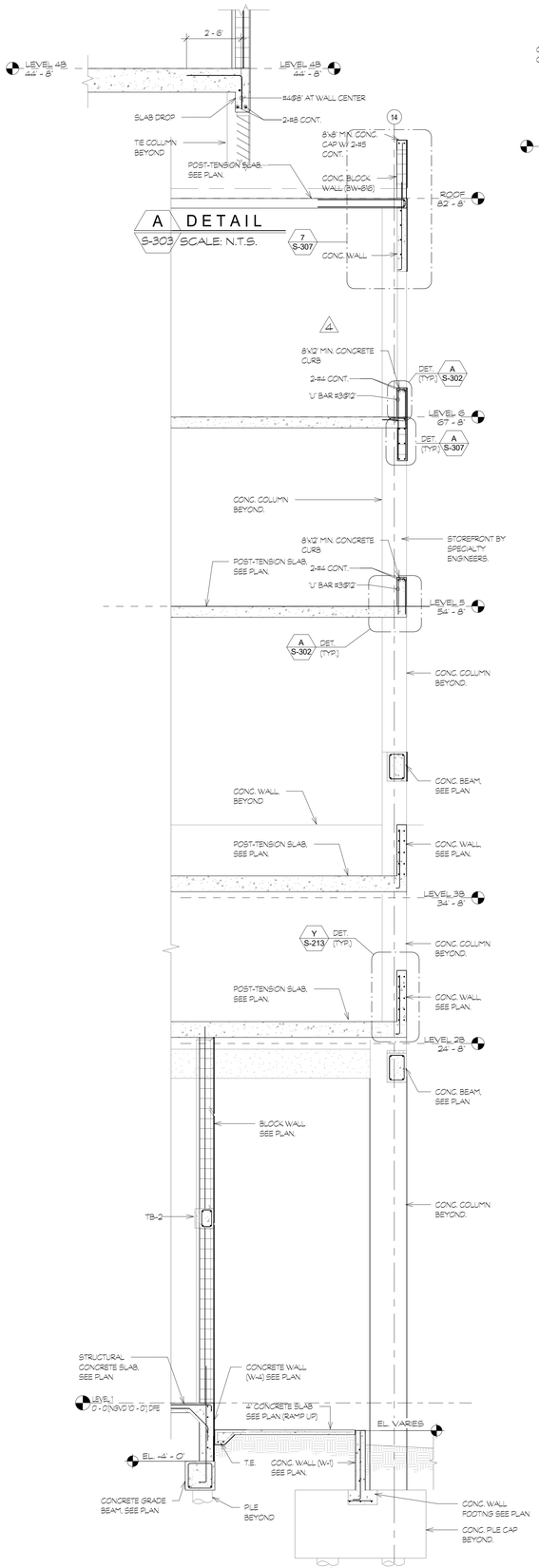

A DETAIL
S-303 SCALE: N.T.S.

1 SECTION
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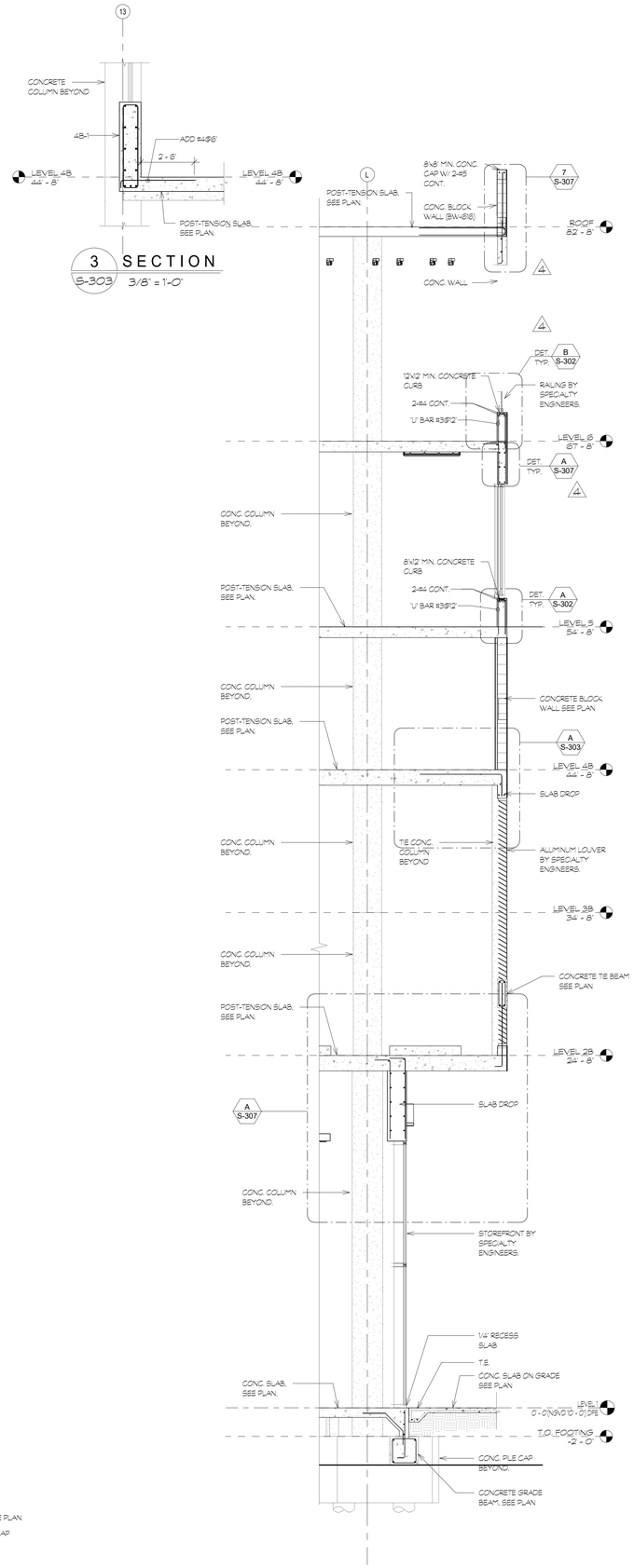
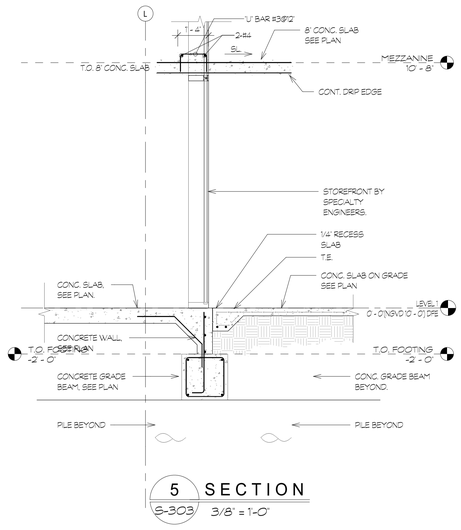
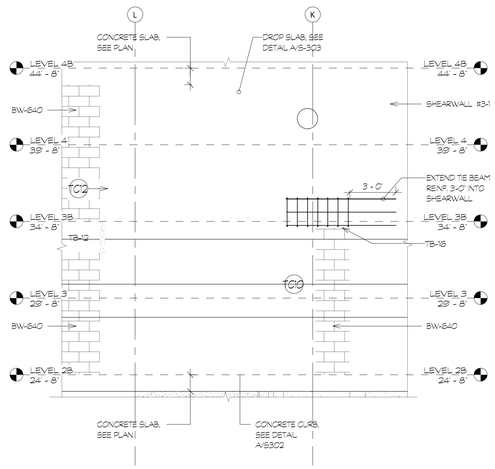


3 SECTION
S-303 3/8" = 1'-0"

2 SECTION
S-303 1/4" = 1'-0"



5 SECTION
S-303 3/8" = 1'-0"



4 ELEVATION
S-303 1/4" = 1'-0"

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1	REVISION	11/8/24
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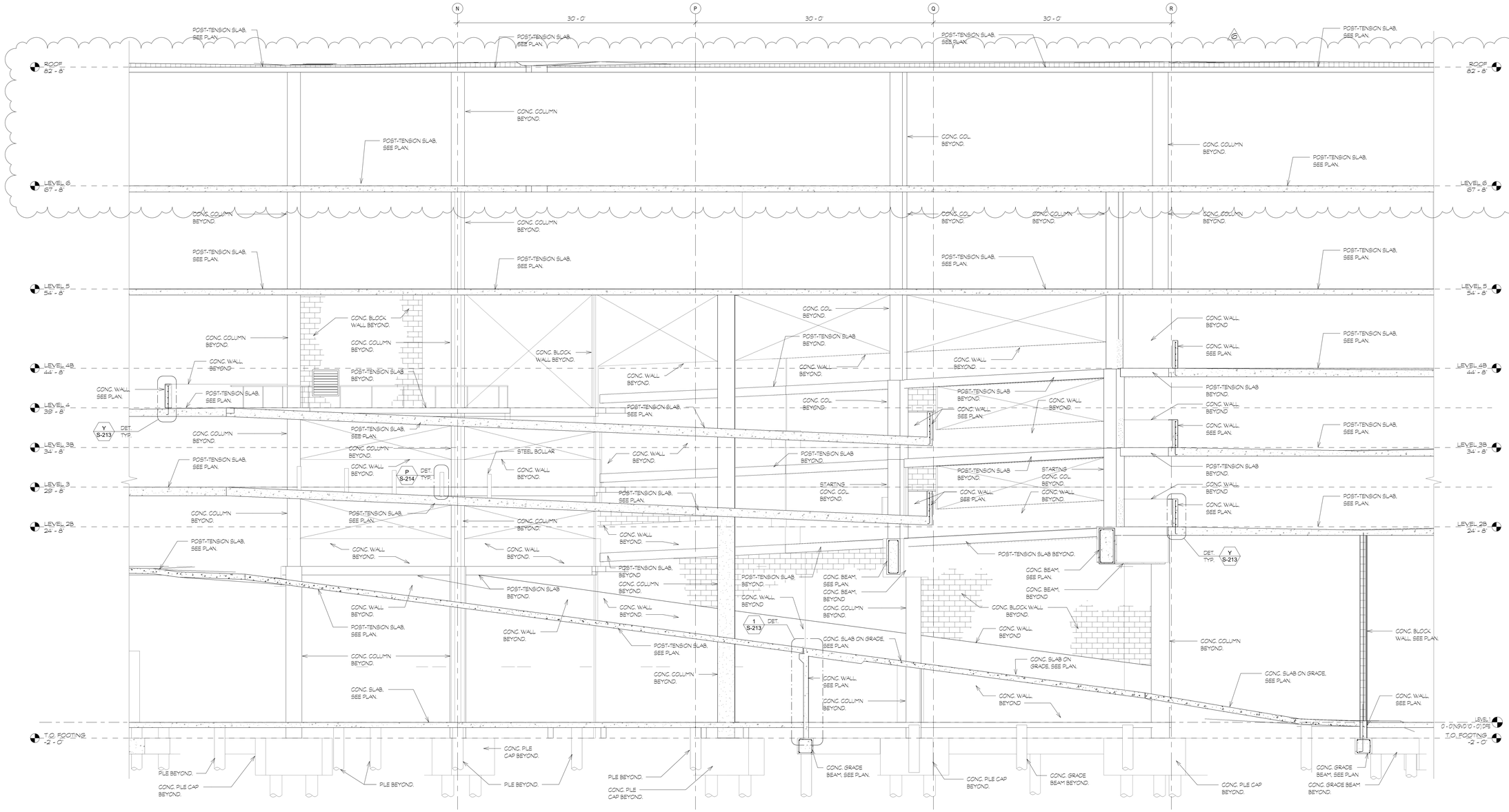

1 SECTION
S-304 3/16" = 1'-0"

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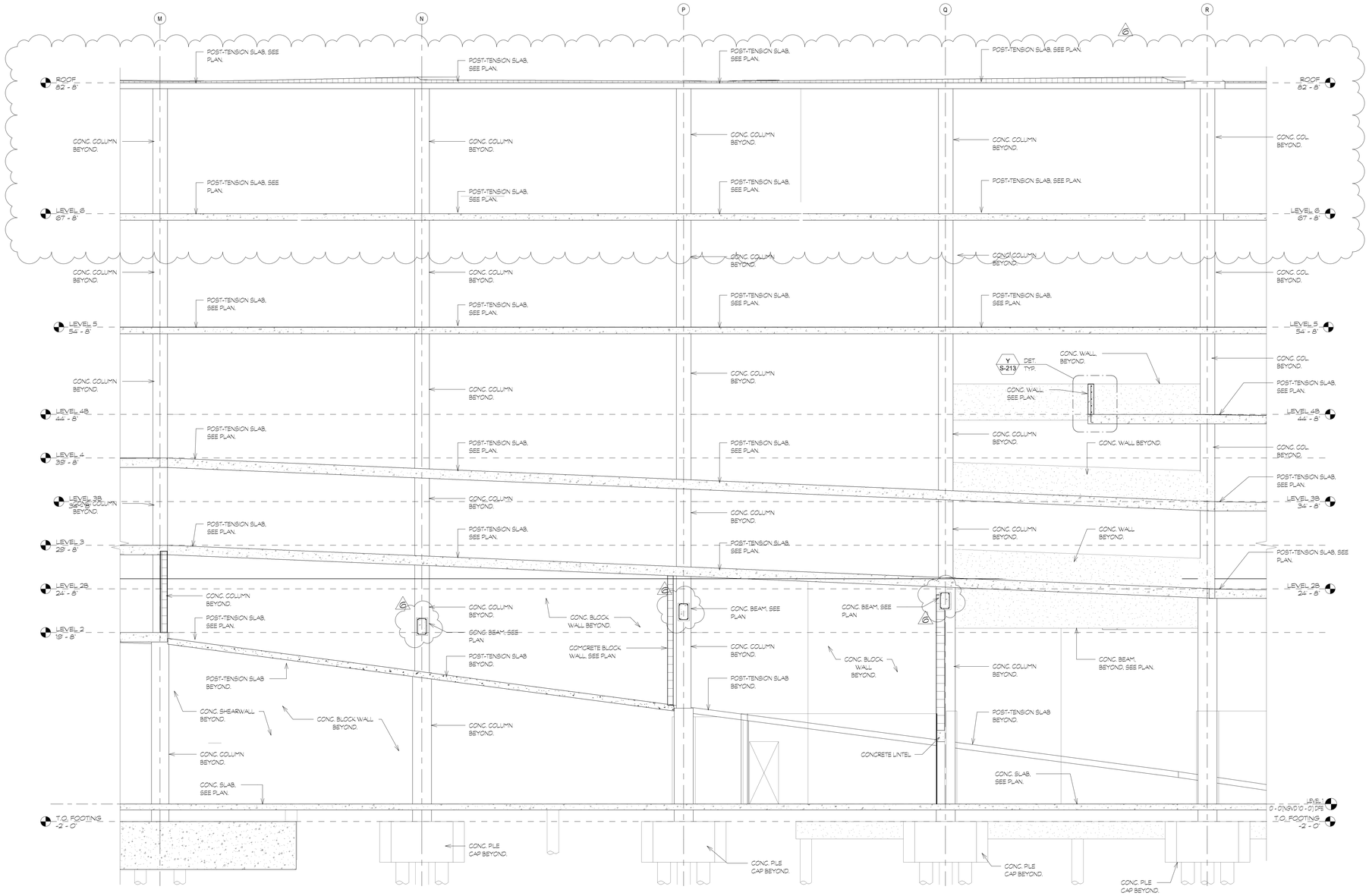
6	Revision 6	10/27/25

SECTIONS

S-304



1 SECTION
S-305 3/16" = 1'-0"

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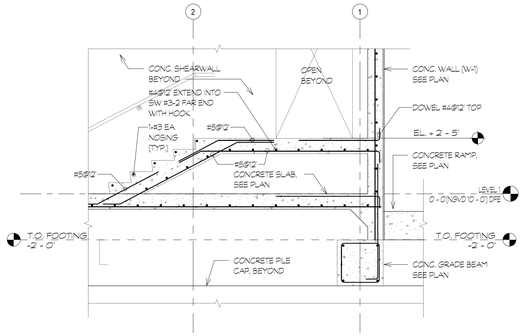
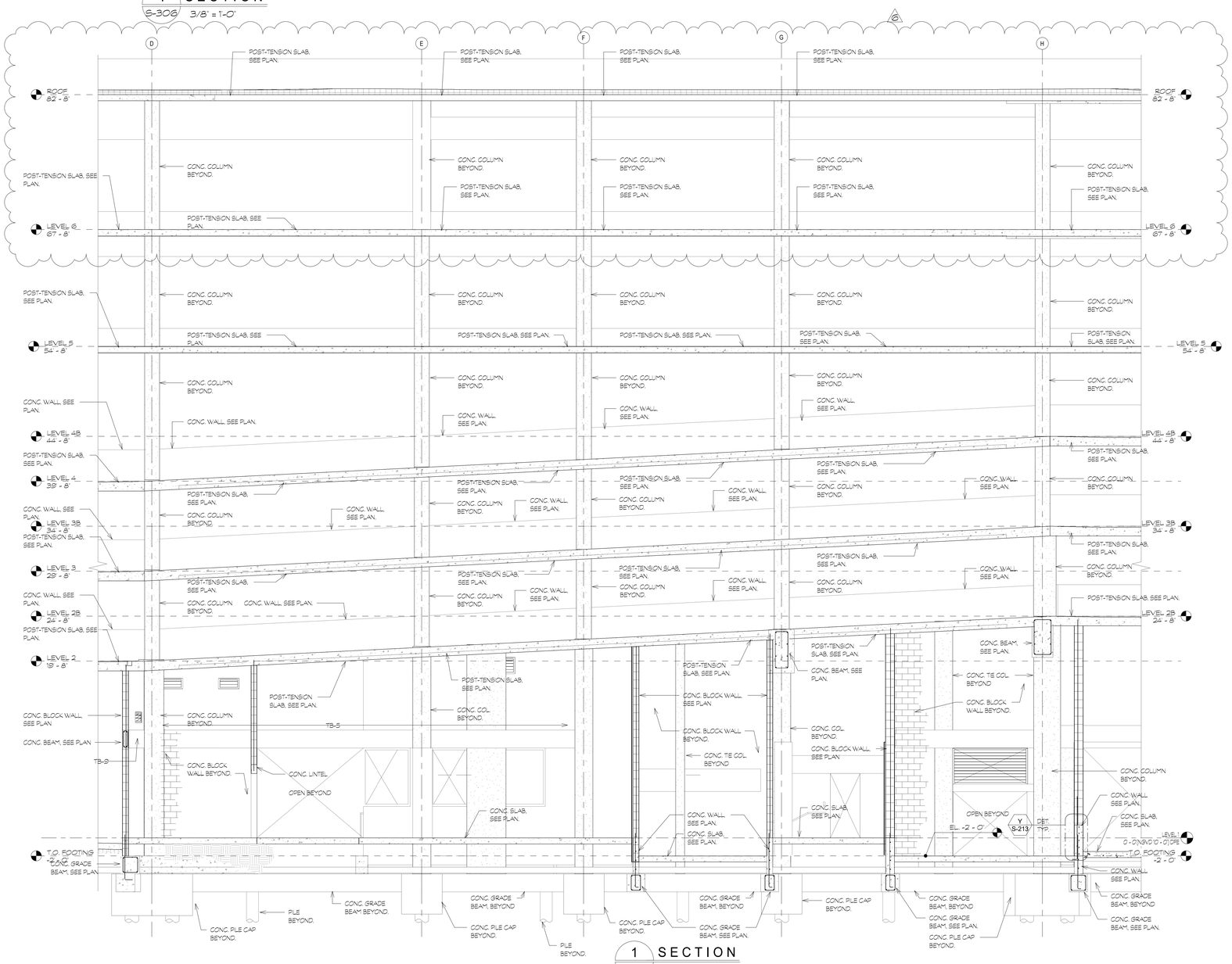


4 SECTION
S-306 3/8" = 1'-0"



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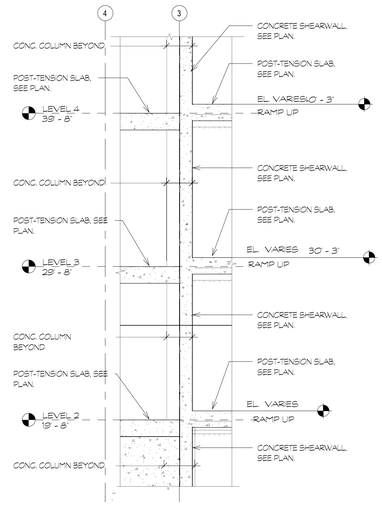

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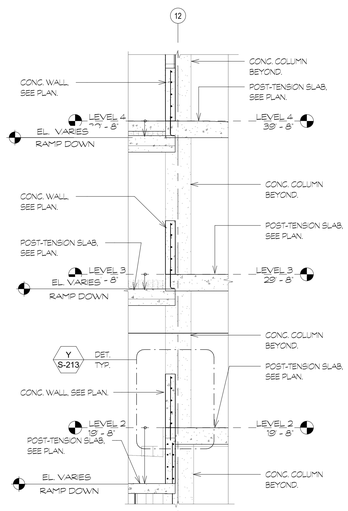

2 SECTION
S-306 1/4" = 1'-0"

NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARDS.

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AIDA M. ALBAISA P.E.
Reg. No. 0045130
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10/28/2025 10:01:55 AM

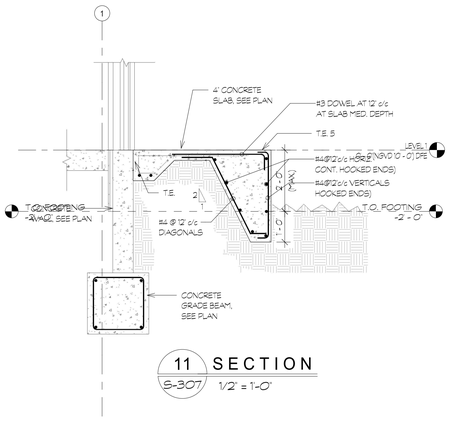
Project Number
2312

DISTRIBUTION
08-01-24

REV	DESCRIPTION	DATE
1	REVISION	11/8/24
2	REVISION	12/20/24
6	Revision 6	10/27/25

SECTIONS

S-306



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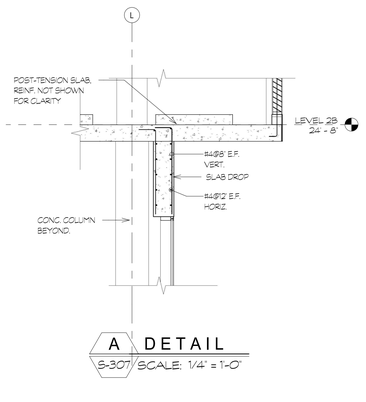
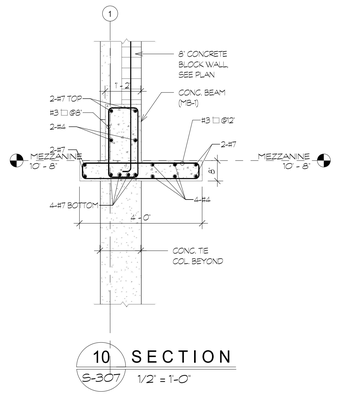


A DETAIL
S-307 SCALE: 1/4" = 1'-0"



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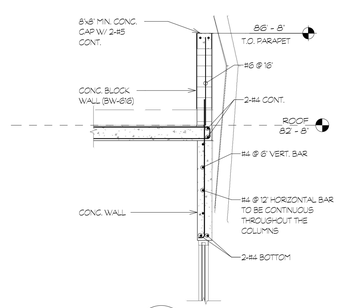

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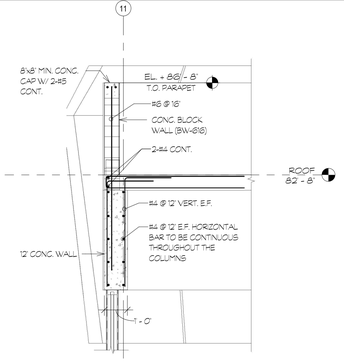

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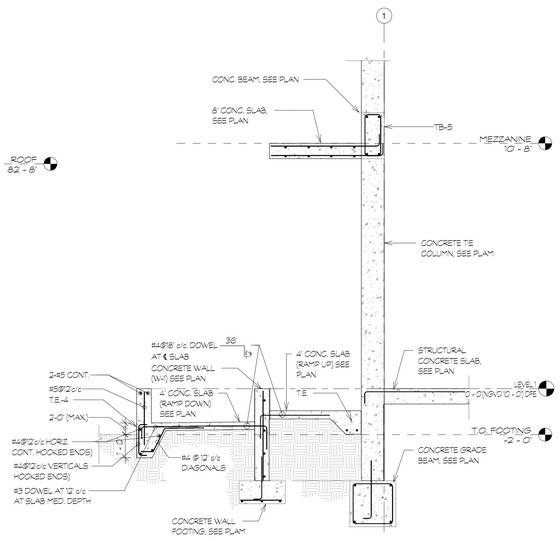

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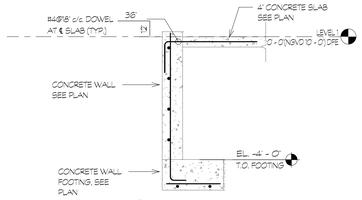

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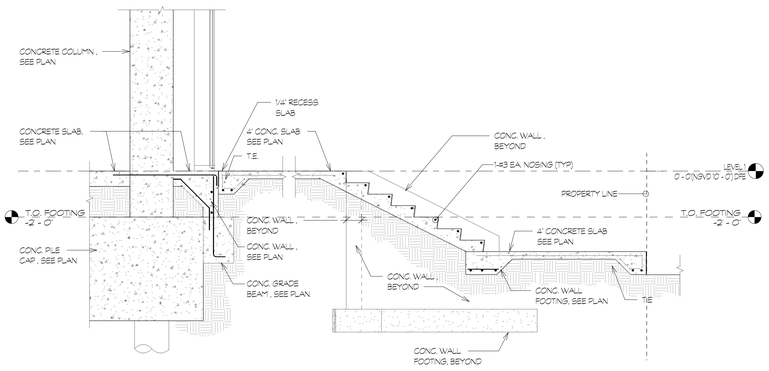

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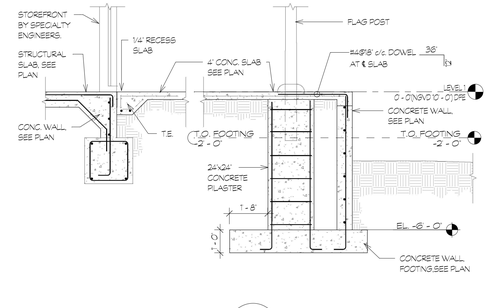

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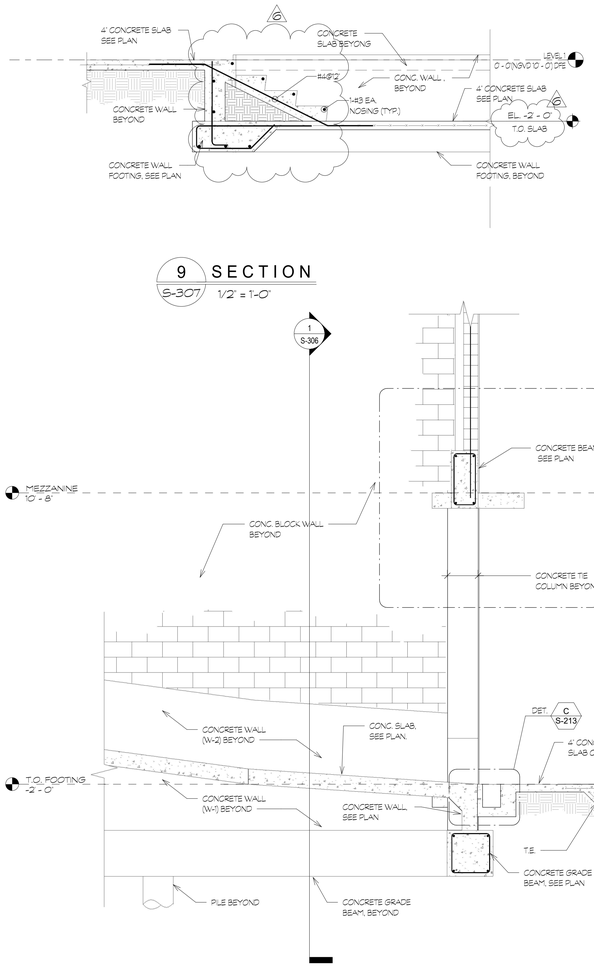

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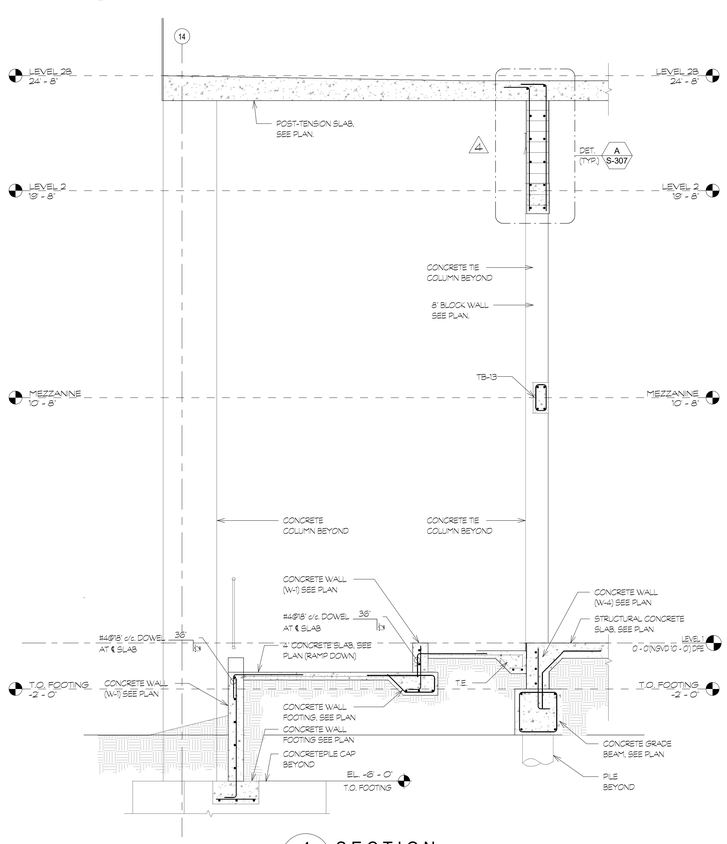

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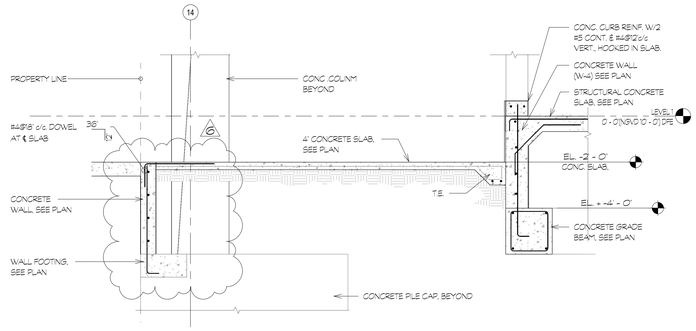

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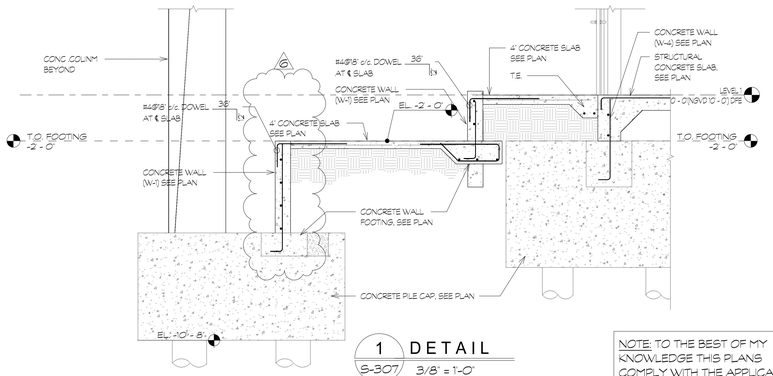

1 DETAIL
S-307 3/8" = 1'-0"

NOTE: TO THE BEST OF MY KNOWLEDGE THIS PLANS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODE AND STANDARS.

8 SECTION
S-307 3/8" = 1'-0"

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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1	REVISION	11/8/24
2	REVISION	12/20/24
4	PLAN REVIEW	06/30/25
6	Revision 6	10/27/25

SECTIONS

S-307

HVAC GENERAL NOTES

1. THE WORK THAT IS TO BE DONE UNDER THIS HEADING INCLUDES THE FURNISHING OF ALL LABOR, MATERIALS AND EQUIPMENT PERMITS, FEES, INSPECTIONS, TEST, INSURANCE, ETC., REQUIRED FOR THE COMPLETION OF THE AIR CONDITIONING HEATING AND VENTILATION SYSTEMS SHOWN ON DRAWINGS OR LISTED BELOW
2. DRAWINGS ARE NOT TO BE SCALED. UNLESS SPECIFIC DIMENSIONS ARE SHOWN. THE ARCHITECTURAL AND/OR STRUCTURAL DRAWINGS, AND SITE CONDITIONS SHALL GOVERN EXACT LOCATION OF MECHANICAL EQUIPMENT AND APPURTENANCES.
3. DESIGN INTENT IS THE INTENT OF THE PLANS AND GENERAL NOTES TO PROVIDE A COMPLETE AND OPERATING INSTALLATION INCLUDING ALL NECESSARY ITEMS REQUIRED, EVEN THOUGHT ITEMS ARE NOT INDICATED ON THE DRAWINGS OR IN THE NOTES. WORK CONSIDERED NECESSARY FOR THE COMPLETION OF THE WORK IN PROPER MANNER NOT SHOWN ON THE PLANS OR NOTES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT/ ENGINEER IN WRITING PRIOR TO BIDS.
4. DEFINITIONS:
   A. PROVIDE MEANS TO "FURNISH AND INSTALL"
   B. UNDER THIS SECTION - MEANS IT IS THE RESPONSIBILITY OF THE CONTRACTOR AND IS TO BE DONE BY AND PAID FOR BY THE CONTRACTOR.
   C. BY THIS SECTION - MEANS IT IS RESPONSIBILITY OF THE CONTRACTOR AND IS TO BE DONE BY AND PAID FOR BY THE CONTRACTOR.
5. PROVIDE OWNER REPRESENTATIVE WITH THREE HARD BOUND SETS OF SYSTEM OPERATING INSTRUCTIONS FOR ALL EQUIPMENT INCLUDING CONTROLS. SUBMIT A COPY TO ARCHITECT/ENGINEER PRIOR TO FINAL PAYMENT REQUISITION.
6. ALL WORK DONE UNDER THIS HEADING MUST CONFORM IN EVERY ASPECT TO FINISH AND QUALITY OF MATERIALS AND WORKMANSHIP SPECIFIED UNDER APPROPRIATE SECTIONS FOR THIS BUILDING.
7. VERIFY ALL VOLTAGES WITH ELECTRICAL CONTRACTOR BEFORE ORDERING ANY EQUIPMENT.
8. SUBMIT SHOP DRAWINGS OF ALL MATERIALS, DUCTWORK AND EQUIPMENT FOR REVIEW BY ARCHITECT/ENGINEER PRIOR TO FABRICATION AND/OR INSTALLATION.
9. CONTRACTOR SHALL VERIFY SPACE CONDITIONS AND DIMENSIONS AND SHALL COORDINATE WORK ALL OTHER TRADES AT JOB SITE PRIOR TO FABRICATION AND INSTALLATION OF DUCTWORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE FULL COORDINATION OF THIS WORK WITH THAT OF ALL OTHER TRADES.
10. OBTAIN FULL INFORMATION REGARDING PECULIARITIES AND LIMITATIONS OF SPACE AVAILABLE FOR INSTALLATION OF THE EQUIPMENT AND MATERIALS UNDER THIS CONTRACT, AND PROVIDE READY ACCESSIBILITY TO DAMPERS, VALVES AND OTHER APPARATUS, INCLUDING ANY PART OF SYSTEM REQUIRED TO BE REACHED FOR MAINTENANCE AND OPERATIONS.
11. AS-BUILT DRAWINGS SHALL BE PROVIDED BY THE CONTRACTOR AT THE COMPLETION OF THE PROJECT.
12. SHEET METAL DUCTWORK:
   A. ALL SUPPLY AND RETURN DUCTWORK SHALL BE CONSTRUCTED OF ZINC COATED GALVANIZED SHEET METAL IN ACCORDANCE WITH S.M.A.C.N.A. "HVAC DUCT CONSTRUCTION STANDARDS-METAL AND FLEXIBLE". DUCTWORK SHALL BE MINIMUM 24 GA. CONSTRUCTION.
   B. ALL DUCT ELBOWS SHALL BE FITTED WITH DOUBLE THICKNESS TURNING VANES. CONSTRUCT ROUND DUCT ELBOWS OF NOT LESS THAN FIVE (5) SECTIONS.
   C. ALL DUCT SIZES SHOWN ARE CLEAR INSIDE DIMENSIONS.
   D. DUCTWORK SHALL BE CONSTRUCTED TO THE S.M.A.C.N.A. PRESSURE CLASSIFICATIONS.
   E. FLEXIBLE DUCTWORK, USED TO CONNECT DIFFUSERS WITH BRANCH DUCT, SHALL BE SPIRAL FORMED OUT OF 3003 BRIGHT REFLECTIVE FINISHED ALUMINUM ALLOY AND MECHANICALLY LOCKED. IT SHALL BE UL LISTED UNDER CLASS 1 AIR DUCTS AND CLASS 1 CONNECTORS, MEET ALL REQUIREMENTSOF UL 181, AND COMPLY WITH NFPA 90A AND 90B. INSULATION WITH FRK VAPOR BARRIER IN VALUE OF 6.0 MINIMUM
   F. ALL DUCT PENETRATIONS THROUGH FIRE OR SMOKE RATED WALLS SHALL BE SEALED WITH A UL-LISTED SYSTEM TO MAINTAIN THE FIRE AND SMOKE INTEGRITY OF THE WALL AND FLOOR.
   G. PROVIDE 4-INCH WIDE FLEXIBLE CONNECTIONS OF FIRE-RETARDANT SYNTHETIC RUBBER-COATED GLASS FABRIC WHEREVER SHEET METAL DUCTWORK CONNECTIONS TO UNIT CASING. SECURELY FASTEN FLEXIBLE CONNECTIONS TO THE DUCTWORK AND EQUIPMENT CASING BY MEANS OF 1X1/8 INCH GALVANIZED STEEL DRAW BANDS.
   H. PROVIDE ALL DOORS AND PANELS REQUIRED FOR ACCESS TO DAMPERS AND CONTROLS. CONSTRUCT ACCESS DOORS OF 18 GAUGE SHEET METAL WITH 1X1X1/8 INCH GALVANIZED STEEL ANGLE FRAMES, FRAME DOOR OPENINGS WITH A CONTINUOUS 1-1/2 X 1-1/2 X1/8 INCH GALVANIZED STEEL ANGLE. PROVIDE EACH DOOR WITH NOT LESS THAN TWO GALVANIZED STEEL HINGES AND TWO CAMLOCK FASTENERS. PROVIDE 18 GAUGE SHEET METAL WITH 1X1/8 INCH GALVANIZED STEEL BAR FRAMES, FRAME PANEL OPENINGS WITH A CONTINUOUS 1X 1/8-INCH SYNTHETIC SPONGE RUBBER GASKET AROUND THE ENTIRE PERIMETER OF THE PANEL. INSULATE ACCESS DOORS AND PANELS FOR INSULATED DUCTWORK AND PLENUMS WITH THE SAME MATERIAL AND THICKNESS AS APPLIED TO THE ADJACENT SHEET METAL
   I. ALL DUCTWORK SHALL BE ADEQUATELY SUPPORTED FROM THE BUILDING STRUCTURE AT INTERVALS NOT TO EXCEED 8 FEET FOR DUCTS UP THROUGH 18 INCHES DIAMETER OR MAXIMUM SIDE, AND 4 FEET FOR LARGER DUCTS. HANGERS SHALL BE CONSTRUCTED FROM GALVANIZED STEEL FLAT BARS, 1 BY 18 INCH FOR DUCTS UP TO 42 INCHES DIAMETER OR MAXIMUM SIDE, AND 1-1/2 BY 1/8 INCH FOR LARGER DUCTS. HANGERS FOR RECTANGULAR DUCTS SHALL BE EXTENDED COMPLETELY DOWN BOTH SIDES OF THE DUCT AND FASTENED WITH NOT LESS THAN THREE RIVETS PER SIDE. HANGERS SHALL BE FASTENED TO CONCRETE CONSTRUCTION WITH INSERTS OR EXPANSION BOLTS.
   J. CONSTRUCT ALL TRANSITIONS IN DUCT SIZE AND SHAPE WITH A MAXIMUM ANGLE OF 15 DEGREES BETWEEN THE DUCT CENTERLINE AND ANY SIDE OF THE TRANSITION. ALL BRANCHES SHALL ENTER THE MAIN AT LARGE END OF TRANSITION.
13. INSULATION FOR METAL DUCTS:
   A. FLAME and SMOKE RATING: ALL INSULATION PRODUCTS and MATERIALS USED FOR THIS PROJECT SHALL HAVE A MAXIMUM FLAME SPREAD and SMOKE DEVELOPED RATING OF 25/50 RESPECTIVELY IN ACCORDANCE WITH TESTS OUTLINED IN N.F.P.A. 255.
   B. AIR CONDITIONING DUCTWORK: SHALL BE EXTERNALLY COVERED WITH A 1-1/2 INCH MINIMUM THICKNESS OF ONE (1) POUND DENSITY, OR 2 INCH MINIMUM THICKNESS OF THREE QUARTER (3/4) POUND DENSITY, FIBERGLASS INSULATION WITH VAPOR-SEAL FACING EQUAL TO SPECIFICATION WHERE INSULATION TERMINATES AT EQUIPMENT, WALLS, ETC., IT SHALL BE VAPOR SEALED TO THE ADJACENT SURFACE USING A FOUR (4) INCH WIDE LAYER OF GLASS FABRIC FINISH WITH A COATING OF WHITE FIRE RESISTIVE MASTIC. ALL OTHER JOINTS, BREAKS, SPEED WASHERS, STAPLES, ETC., SHALL BE GENEROUSLY COVERED WITH FIRE RESISTIVE MASTIC.
   C. ALL PIPING AND DUCTWORK SHALL BE TESTED AND APPROVED BEFORE INSULATION IS APPLIED; ALL SURFACES SHALL BE CLEAN AND DRY. INSULATION SECTIONS OR SEGMENTS SHALL BE PROPERLY CUT AND FITTED TO EACH SURFACE, TIGHTLY BUTTED TOGETHER AND SECURED WITH STAINLESS STEEL BANDS, OR 14-GAUGE COPPER WELD OR STAINLESS STEEL WIRE ON 9" MAXIMUM CENTERS. ALL SEAMS AND JOINTS SHALL BE THOROUGHLY SEALED WITH AN APPROVED FIRE-RETARDANT JOINT SEALER AS RECOMMENDED BY THE INSULATION MANUFACTURER. FINISH JACKETS SHALL BE LAPPED NOT LESS THAN 2" AT ALL JOINTS AND SEAMS, AND SEALED WITH AN APPROVED FIRE-RETARDANT VAPOR-BARRIER ADHESIVE. PROVIDE CONTRACTION JOINTS AT PROPER INTERVALS IN ACCORDANCE WITH THE MANUFACTURER'S DIRECTIONS.
14. CONTROL SYSTEM SHALL BE COMPLETE IN ALL RESPECTS INCLUDING ALL LABOR, MATERIALS, EQUIPMENT AND SERVICES NECESSARY TO MEET THE FUNCTIONAL DESCRIPTION.
   A. ALL CONTROL WIRING AND CONDUIT SHALL BE PROVIDED BY THE ELECTRICAL CONTRACTOR AND SHALL BE IN ACCORDANCE WITH N.E.C. AND ALL LOCAL CODES AND ORDINANCES.
   B. FURNISH AND INSTALL ALL SENSORS, ACTUATORS, CONTROLLERS, TRANSMITTERS, RELAYS, WIRING AND EQUIPMENT REQUIRED TO MEET THE DESIGN INTENT AND FUNCTIONAL DESCRIPTION OF THE CONTROL SYSTEM.
   C. AIR CONDITIONING SYSTEMS FOR DWELLING UNITS, CORRIDOR, LOBBIES AND SUPPORT AREAS SHALL BE PROVIDED WITH AN INDIVIDUAL 7DAYS/24HRS PROGRAMMABLE THERMOSTAT.
14. ALL EQUIPMENT AND MATERIALS SHALL BE GUARANTEED FOR THE PERIOD OF ONE YEAR. COMPRESSOR (REFRIGERATION) SHALL CARRY 5 YEAR FACTORY GUARANTEE.
15. REFRIGERANT PIPING SHALL BE COOPER TUBE, ASTM B 88, TYPE L.
16. REFRIGERANT PIPING INSULATION SHALL BE FLEXIBLE ELASTOMERIC INSULATION, CLOSED□CELL, SPONGE- OR EXPANDED-RUBBER MATERIALS. COMPLYING WITH ASTM C 534, TYPE I FOR TUBULAR MATERIALS, R VALUE: R-7. PRODUCTS SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE ONE OF THE FOLLOWING:
   A. AEROFLEX USA, INC.; AEROCEL
   B. ARMACELL LLC; AP ARMAFLEX.
   C. K-FLEX USA; INSUL-LOCK, INSUL-TUBE, AND K-FLEX LS.
17. ALL FAN DRIVES SHALL BE ADJUSTED TO DELIVER THE SPECIFIED CFM AGAINST THE ACTUAL STATIC PRESSURE OF THE INSTALLATION.
18. ALL OUTSIDE EQUIPMENT SHALL BE SECURED TO WITHSTAND 186 M.P.H. WINDS. SEE MECHANICAL EQUIPMENT EXPOSED TO WIND NOTES THIS DRAWING.
19. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE FLORIDA BUILDING CODE, N.F.P.A. 90A, 90B & 96 AND IN ACCORDANCE WITH ALL LOCAL CODES AND ORDINANCES.
20. TEST AND BALANCE
   AFTER COMPLETION OF HVAC WORK, CONTRACTOR WILL HIRE AN INDEPENDENT TEST AND BALANCE COMPANY TO PERFORM THE TESTING AND BALANCING OF HVAC SYSTEMS. MEASURE AND BALANCE WITH USE OF PILOT TRAVERSE PROBE FOR DUCTS AND BALOMETER FOR OPENINGS:
   - SUPPLY, RETURN AND OUTSIDE AIR INTAKE FLOW AT RTUS and AHU'S .
   - EXHAUST AIR FLOW AT EXHAUST FANS .
   - ALL AIR OUTLETS, INLETS AND TRANSFERS (AIR DISTRIBUTION DEVICES).

   PREPARE A WRITTEN REPORT; TABULATE AND DIVIDE THE REPORT INTO SEPARATE SECTIONS FOR TESTED SYSTEMS AND BALANCED SYSTEMS; INCLUDE ALL FIELD-REPORT DATA AND MARK DRAWINGS TO SHOW LOCATION OF READINGS. TEST & BALANCE MUST BE DONE BY AN AABC OR NEBB CERTIFIED VENDOR.
21. A/C UNITS, FANS, AIR DISTRIBUTION, AND CONTROLS SHALL BE AS SHOWN ON THE DRAWINGS WITH RESPECT TO CAPACITY, QUALITY PERFORMANCE, ACCESSORIES, ETC. MANUFACTURERS USED FOR THE BASIS OF DESIGN ARE LISTED ON THE DRAWINGS SCHEDULES OR SPECIFICATION AND INDICATE A CURRENT CERTIFICATION FROM A RECOGNIZED TESTING AND BALANCING AGENCY ORGANIZATION IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING STANDARDS. NAMING ACCEPTABLE MANUFACTURERS DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH ALL DESIGN REQUIREMENTS SHOWN ON THE DRAWINGS OR LISTED HEREIN.
22. EQUIPMENT IDENTIFICATIONS
   A. ALL EQUIPMENT SHALL BE IDENTIFIED WITH THE SAME DESIGNATION SHOWN ON THE DRAWINGS.
   B. IDENTIFICATION SHALL BE WITH ENGRAVED PLASTIC NAME PLATES USING 1" LETTERS ON EQUIPMENT HAVING CABINETS AND WITH BRASS TAGS WHERE CABINETS DO NOT EXIST. NAMEPLATES SELL BE MINIMUM 2" X 4" SIZE FOR A/C UNITS, FANS.
23. PIPE HANGERS AND SUPPORTS:
   A. SPACING: ALL PIPING SHALL BE ADEQUATELY SUPPORTED FROM THE BUILDING STRUCTURE AS REQUIRED TO PREVENT EXCESSIVE DEFLECTION OF THE PIPING BETWEEN CONNECTIONS AT CONNECTIONS TO VALVES AND EQUIPMENT, AND TO PREVENT EXCESSIVE STRESSES IN THE BUILDING STRUCTURE AT THE POINTS OF SUPPORT.
   B. HORIZONTAL PIPING: HANGERS FOR HORIZONTAL PIPING SHALL BE GALVANIZED WROUGHT STEEL CLAMP OR STEEL SADDLE BETWEEN EACH HANGER AND THE INSULATED INSULATION. LENGTH OF SADDLE SHALL BE TWICE THE OUTSIDE DIAMETER OF THE INSULATION.
   C. VERTICAL PIPING: VERTICAL PIPING SHALL BE SUPPORTED AT BOTTOM AND TOP OF RISER AND WITH INTERMEDIATE SUPPORTS SPACED NOT OVER 10 FEET ON CENTERS.
   D. HANGER RODS: PROVIDE ADJUSTABLY SIZED CADMIUM PLATED STEEL HANGER RODS WITH AN APPROVED MEANS OF VERTICAL ADJUSTMENT FOR EACH PIPE HANGER, IN CONCRETE CONSTRUCTION, CONCRETE INSERTS SHALL BE PROVIDED FOR EACH HANGER, OR HANGERS SHALL BE FASTENED TO PROPERLY SIZED STEEL PLATES OR ANGLES SECURELY TO THE STRUCTURE WITH THROUGH BOLTS OR APPROVED DRILLED-IN ANCHORS.
24. DUCTWORK SHALL BE PROTECTED FROM THE DUST DURING THE CONSTRUCTION PROCESS (STORAGE, INSTALLATION AND DUCT TEST) INCLUDING TRANSFER OPENINGS. CONSTRUCTION FILTERS SHALL BE INSTALLED ON RTUS DURING THE INSTALLATION AND TEST.
25. REFER TO ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING MOUNTED DEVICES.
26. REFER TO ARCHITECTURAL DRAWINGS FOR FOR FIRE STOPPING DETAILS.
27. FLEXIBLE DUCT SHALL NOT EXCEED 8 FEET IN LENGTH.
28. ALL EXHAUST DISCHARGE SHALL BE A MIN. OF 10 FEET FROM ANY INTAKE, EXITS OR BUILDING OPENINGS.
29. PROVIDE TAMPER PROOF THERMOSTAT ENCLOSURE FOR ALL LOBBY/CORRIDOR THERMOSTATS.
30. PROVIDE 120 VOLT ELECTRICAL OUTLETS WITHIN 25 FEET OF ALL MECHANICAL EQUIPMENT.
31. OUTDOOR AIR INTAKES SHALL BE COVERED WITH SCREEN HAVING NOT LESS THAN 1/4 INCH OPENINGS AND NOT MORE THAN 1/2 INCH OPENINGS.
32. DRYER BOX SHALL BE RECESSED TYPE MODEL 425 BY DRYERBOX CO. AND WALL CAPS SHALL HAVE VERTICAL ARRANGEMENT MANUFACTURED BY X-VENT BOX CO.
33. ALL EQUIPMENT SHALL BE IDENTIFIED WITH THE SAME DESIGNATION SHOWN ON THE DRAWINGS. IDENTIFICATION SHALL BE WITH ENGRAVED PLASTIC NAMEPLATES USING 1 INCH LETTERS ON EQUIPMENT HAVING CABINETS AND WITH BRASS TAGS WHERE CABINETS DO NOT EXIST. NAMEPLATES SHALL BE MINIMUM 2 X 4 SIZE FOR AIR HANDLER UNITS.
34. ALL THERMOSTATS MUST BE AT 48 INCHES MAXIMUM ABOVE FINISHED FLOOR PER ADA 308.2
35. EQUIPMENT AND APPLIANCES SHALL BE ACCESSIBLE FOR SERVICE, INSPECTION, REPAIR AND REPLACEMENT WITHOUT REMOVING PERMANENT CONSTRUCTION. SUFFICIENT CLEARANCE SHALL BE MAINTAINED TO PERMIT CLEANING, REPLACEMENT OF FILTERS, BLOWERS, MOTORS CONTROLS AND LUBRICATION OF MOVING PARTS.

COMMISSIONING REQUIREMENTS (FBC-EC_2023, SECTION C408)

THE CONTRACTOR SHALL RETAIN THE SERVICES OF AN INDEPENDENT COMMISSIONING AGENT, AS DEFINED IN FBC - ENERGY CONSERVATION (2023) TO SATISFY THE REQUIREMENTS OF SECTION C408 AS DELINEATED BELOW:

C408.1 GENERAL. THIS SECTION COVERS THE PROVISIONS OF MAINTENANCE INFORMATION, FUNCTIONAL TESTING REQUIREMENTS AND THE COMMISSIONING OF BUILDING SYSTEMS.

C408.1.1 BUILDING OPERATIONS AND MAINTENANCE INFORMATION. THE BUILDING'S OPERATIONS AND MAINTENANCE DOCUMENTS SHALL BE PROVIDED TO THE OWNER AND SHALL CONSIST OF MANUFACTURER'S INFORMATION, SPECIFICATIONS, AND RECOMMENDATIONS, PROGRAMMING PROCEDURES AND DATA POINTS, NARRATIVES, AND OTHER MEANS OF ILLUSTRATING TO THE OWNER HOW THE BUILDING EQUIPMENT AND SYSTEMS ARE PROVIDED TO BE OPERATED, MAINTAINED AND OPERATED. REQUIRED REGULAR MAINTENANCE ACTIONS FOR EQUIPMENT AND SYSTEMS SHALL BE CLEARLY STATED ON A READILY ACCESSIBLE LABEL. THE LABEL SHALL INCLUDE THE TITLE OR PUBLICATION NUMBER FOR THE OPERATION AND MAINTENANCE MANUAL FOR THE EQUIPMENT OR SYSTEM, AND DUCTWORK AND PIPING OF PRODUCT.

C408.2 MECHANICAL SYSTEMS AND SERVICE WATER-HEATING SYSTEMS COMMISSIONING AND COMPLETION REQUIREMENTS. PRIOR TO THE FINAL MECHANICAL AND PLUMBING INSPECTIONS, THE LICENSED DESIGN PROFESSIONAL, ELECTRICAL ENGINEER, MECHANICAL ENGINEER OR APPROVED AGENCY SHALL PROVIDE EVIDENCE OF MECHANICAL SYSTEMS COMMISSIONING AND COMPLETION IN ACCORDANCE WITH THE PROVISIONS OF THIS SECTION. COPIES OF ALL DOCUMENTATION SHALL BE GIVEN TO THE OWNER OR OWNER'S AUTHORIZED AGENT AND PROVIDED TO THE CODE OFFICIAL IN ACCORDANCE WITH SECTIONS C408.2.4 AND C408.2.5.

C408.2.1 COMMISSIONING PLAN. A COMMISSIONING PLAN SHALL BE DEVELOPED BY A LICENSED DESIGN PROFESSIONAL, ELECTRICAL ENGINEER, MECHANICAL ENGINEER OR APPROVED AGENCY AND SHALL INCLUDE THE FOLLOWING ITEMS:

1. A NARRATIVE DESCRIPTION OF THE ACTIVITIES THAT WILL BE ACCOMPLISHED DURING EACH PHASE OF COMMISSIONING, INCLUDING THE PERSONNEL INTENDED TO ACCOMPLISH EACH OF THE ACTIVITIES
2. A LISTING OF THE SPECIFIC EQUIPMENT, APPLIANCES OR SYSTEMS TO BE TESTED AND A DESCRIPTION OF THE TESTS TO BE PERFORMED.
3. FUNCTIONS TO BE TESTED INCLUDING, BUT NOT LIMITED TO, CALIBRATION AND ECONOMIZER CONTROLS.
4. CONDITIONS UNDER WHICH THE TEST WILL BE PERFORMED. TESTING SHALL AFFIRM WINTER AND SUMMER DESIGN CONDITIONS AND FULL OUTSIDE AIR CONDITIONS.
5. MEASURABLE CRITERIA FOR PERFORMANCE.

C408.2.2 AIR DISTRIBUTION SYSTEM TESTING, ADJUSTING AND BALANCING. A WRITTEN BALANCE REPORT BE PROVIDED TO THE OWNER FOR HVAC SYSTEMS SERVING ZONES WITH A TOTAL CONDITIONED AREA EXCEEDING 5000 SQUARE FEET. AIR DISTRIBUTION SYSTEMS SHALL BE TESTED, ADJUSTED AND BALANCED BY A LICENSED ENGINEER OR A COMPANY OR INDIVIDUAL HOLDING A CURRENT CERTIFICATION FROM A RECOGNIZED TESTING AND BALANCING AGENCY ORGANIZATION IN ACCORDANCE WITH GENERALLY ACCEPTED ENGINEERING STANDARDS.

C408.2.2.1 AIR SYSTEMS BALANCING. AIR SYSTEM BALANCING SHALL BE ACCOMPLISHED IN A MANNER TO FIRST MINIMIZE THROTTLING LOSSES. THEN FOR EACH SYSTEM WITH FAN SYSTEM POWER GREATER THAN 1 HP. FAN SPEEDS SHALL BE ADJUSTED TO MEET DESIGN FLOW CONDITIONS. BALANCING PROCEDURES SHALL BE IN ACCORDANCE WITH THE NATIONAL ENVIRONMENTAL BALANCING BUREAU (NEBB) PROCEDURAL STANDARDS. THE ASSOCIATED AIR BALANCE COUNCIL (AABC) NATIONAL STANDARDS, OR EQUIVALENT PROCEDURES.

EXCEPTION: DAMPER THROTTLING MAY BE USED FOR AIR SYSTEM BALANCING WITH FAN MOTORS OF 1 HP OR LESS, OR IF THROTTLING RESULTS IN NO GREATER THAN 1/3 HP FAN HORSEPOWER DRAW ABOVE THAT REQUIRED IF THE FAN SPEED WERE ADJUSTED.

NOTES:

1. BUILDING ENVELOPE PRESSURIZATION SHOULD BE EITHER NEUTRAL OR POSITIVE TO PREVENT INFILTRATION OF EXCESS LATENT LOAD.

C408.2.3 FUNCTIONAL PERFORMANCE TESTING. FUNCTIONAL PERFORMANCE TESTING SPECIFIED IN SECTIONS C408.2.3.1 THROUGH C408.2.3.3 SHALL BE WITNESSED AND DOCUMENTED BY A LICENSED DESIGN PROFESSIONAL, ELECTRICAL ENGINEER, MECHANICAL ENGINEER OR APPROVED AGENCY. THE REPORTING COMMISSIONING PROFESSIONAL SHALL BE PRESENT FOR ANY FUNCTIONAL PERFORMANCE TEST BEING CONDUCTED.

C408.2.3.1 EQUIPMENT. EQUIPMENT FUNCTIONAL PERFORMANCE TESTING SHALL DEMONSTRATE THE INSTALLATION AND OPERATION OF EQUIPMENTS, SYSTEMS, AND SYSTEM-TO-SYSTEM INTERFACING RELATIONSHIPS IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS SUCH THAT OPERATION, FUNCTIONAL AND PERFORMANCE CONFORMS TO THE OWNER'S OR OWNER'S AUTHORIZED AGENT'S REQUIREMENTS. TESTING SHALL INCLUDE ALL MODES AND SEQUENCE OF OPERATION, INCLUDING UNDER FULL-LOAD, PART-LOAD AND THE FOLLOWING EMERGENCY CONDITIONS:

1. ALL MODES AS DESCRIBED IN THE SEQUENCE OF OPERATION.
2. REDUNDANT OR AUTOMATIC BACK-UP MODE.
3. PERFORMANCE OF ALARMS.
4. MODE OF OPERATION ON A LOSS OF POWER AND RESTORATION OF POWER.

EXCEPTION: UNITARY OR PACKAGED HVAC EQUIPMENT LISTED IN TABLES C403.2.3(1) THROUGH C403.2.3(3) THAT DO NOT REQUIRE SUPPLY AIR ECONOMIZERS.

C408.2.3.2 CONTROLS. HVAC AND SERVICE WATER-HEATING CONTROL SYSTEMS SHALL BE TESTED TO DOCUMENT THAT CONTROL DEVICES, COMPONENTS, EQUIPMENT AND SYSTEMS ARE CALIBRATED AND ADJUSTED AND OPERATE IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS. SEQUENCES OF OPERATION SHALL BE FUNCTIONALLY TESTED TO DOCUMENT THEY OPERATE IN ACCORDANCE WITH APPROVED PLANS AND SPECIFICATIONS.

C408.2.4 PRELIMINARY COMMISSIONING REPORT. A PRELIMINARY REPORT OF COMMISSIONING TEST PROCEDURES AND RESULTS SHALL BE COMPLETED AND CERTIFIED BY THE LICENSED DESIGN PROFESSIONAL, ELECTRICAL ENGINEER, MECHANICAL ENGINEER OF APPROVED AGENCY AND PROVIDED TO THE BUILDING OWNER. THE REPORT SHALL BE ORGANIZED WITH MECHANICAL AND SERVICE HOT WATER FINDINGS IN SEPARATE SECTIONS TO ALLOW INDEPENDENT REVIEW. THE REPORT SHALL BE IDENTIFIED AS"PRELIMINARY COMMISSIONING REPORT AND SHALL IDENTIFY:

1. ITEMIZATION OF DEFICIENCIES FOUND DURING TESTING REQUIRED BY THIS SECTION THAT HAVE NOT BEEN CORRECTED AT THE TIME OF REPORT PREPARATION.
2. DEFERRED TESTS THAT CANNOT BE PERFORMED AT THE TIME OF REPORT PREPARATION BECAUSE OF CLIMATIC CONDITIONS.
3. CLIMATIC CONDITIONS REQUIRED FOR PERFORMANCE OF THE DEFERRED TESTS.

C408.2.4.1 ACCEPTANCE OF REPORT. BUILDINGS SHALL NOT BE CONSIDERED ACCEPTABLE FOR A FINAL INSPECTION PURSUANT TO SECTION C104.3 UNTIL THE CODE OFFICIAL HAS RECEIVED A LETTER OF TRANSMITTAL FROM THE BUILDING OWNER ACKNOWLEDGING THAT THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT HAS RECEIVED THE PRELIMINARY COMMISSIONING REPORT.

C408.2.5 DOCUMENTATION REQUIREMENTS. THE CONSTRUCTION DOCUMENTS SHALL SPECIFY THAT THE DOCUMENTS DESCRIBED IN THIS SECTION BE PROVIDED TO THE BUILDING OWNER OR OWNER'S AUTHORIZED AGENT WITHIN 90 DAYS OF THE DATE OF RECEIPT OF THE CERTIFICATE OF OCCUPANCY.

C408.2.5.1 DRAWINGS. CONSTRUCTION DOCUMENTS SHALL INCLUDE THE LOCATION AND PERFORMANCE DATA ON EACH PIECE OF EQUIPMENT.

C408.2.5.2 MANUALS. AN OPERATING AND MAINTENANCE MANUAL SHALL BE PROVIDED AND INCLUDE ALL OF THE FOLLOWING:

1. SUBMITTAL DATA STATING EQUIPMENT SIZE AND SELECTED OPTIONS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE.
2. MANUFACTURER'S OPERATION MANUALS AND MAINTENANCE MANUALS FOR EACH PIECE OF EQUIPMENT REQUIRING MAINTENANCE, EXCEPT EQUIPMENT NOT FURNISHED AS PART OF THE PROJECT. REQUIRED ROUTINE MAINTENANCE ACTIONS SHALL BE CLEARLY IDENTIFIED.
3. NAME AND ADDRESS OF AT LEAST ONE SERVICE AGENCY.
4. HVAC AND SERVICE HOT WATER CONTROLS SYSTEM MAINTENANCE AND CALIBRATION INFORMATION, INCLUDING WIRING DIAGRAMS, SCHEMATICS AND CONTROL SEQUENCE DESCRIPTIONS. DESIRED OR FIELD-DETERMINED SET POINTS SHALL BE PERMANENTLY RECORDED ON CONTROL DRAWINGS AT CONTROL DEVICES OR, FOR DIGITAL CONTROL SYSTEMS, IN SYSTEM PROGRAMMING INSTRUCTIONS.
5. A NARRATIVE OF HOW EACH SYSTEM IS INTENDED TO OPERATE, INCLUDING RECOMMENDED SETPOINTS.

C408.2.5.3 SYSTEM BALANCING REPORT. A WRITTEN REPORT DESCRIBING THE ACTIVITIES AND MEASUREMENTS COMPLETED IN ACCORDANCE WITH SECTION C408.2.2.

C408.2.5.4 FINAL COMMISSIONING REPORT. A REPORT OF TEST PROCEDURES AND RESULTS IDENTIFIED AS "FINAL COMMISSIONING REPORT SHALL BE DELIVERED TO THE BUILDING OWNER. THE REPORT SHALL BE ORGANIZED WITH MECHANICAL SYSTEM AND SERVICE HOT WATER SYSTEM FINDINGS IN SEPARATE SECTIONS TO ALLOW INDEPENDENT REVIEW. THE REPORT SHALL INCLUDE THE FOLLOWING:

1. RESULTS OF FUNCTIONAL PERFORMANCE TESTS.
2. DISPOSITION OF DEFICIENCIES FOUND DURING TESTING, INCLUDING DETAILS OF CORRECTIVE MEASURES USED OR PROPOSED.
3. FUNCTIONAL PERFORMANCE TEST PROCEDURES USED DURING THE COMMISSIONING PROCESS INCLUDING MEASURABLE CRITERIA FOR TEST ACCEPTANCE, PROVIDED HEREIN FOR REPEATABILITY .

EXCEPTION: DEFERRED TEST THAT CANNOT BE PERFORMED AT THE TIME OF REPORT PREPARATION DUE TO CLIMATIC CONDITIONS.

C408.3 LIGHTING CONTROLS FUNCTIONAL TESTING. AUTOMATIC LIGHTING CONTROLS REQUIRED BY THIS CODE SHALL COMPLY WITH THIS SECTION.

C408.3.1 FUNCTIONAL TESTING. PRIOR TO PASSING FINAL INSPECTION, THE REGISTERED DESIGN PROFESSIONAL SHALL PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEMS HAVE BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE CONSTRUCTION DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. FUNCTIONAL TESTING SHALL BE IN ACCORDANCE WITH SECTIONS C408.3.1.1 THROUGH C408.3.1.3 FOR THE APPLICABLE CONTROL TYPE.

C408.3.1.1 OCCUPANT SENSOR CONTROLS. WHERE OCCUPANT SENSOR CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

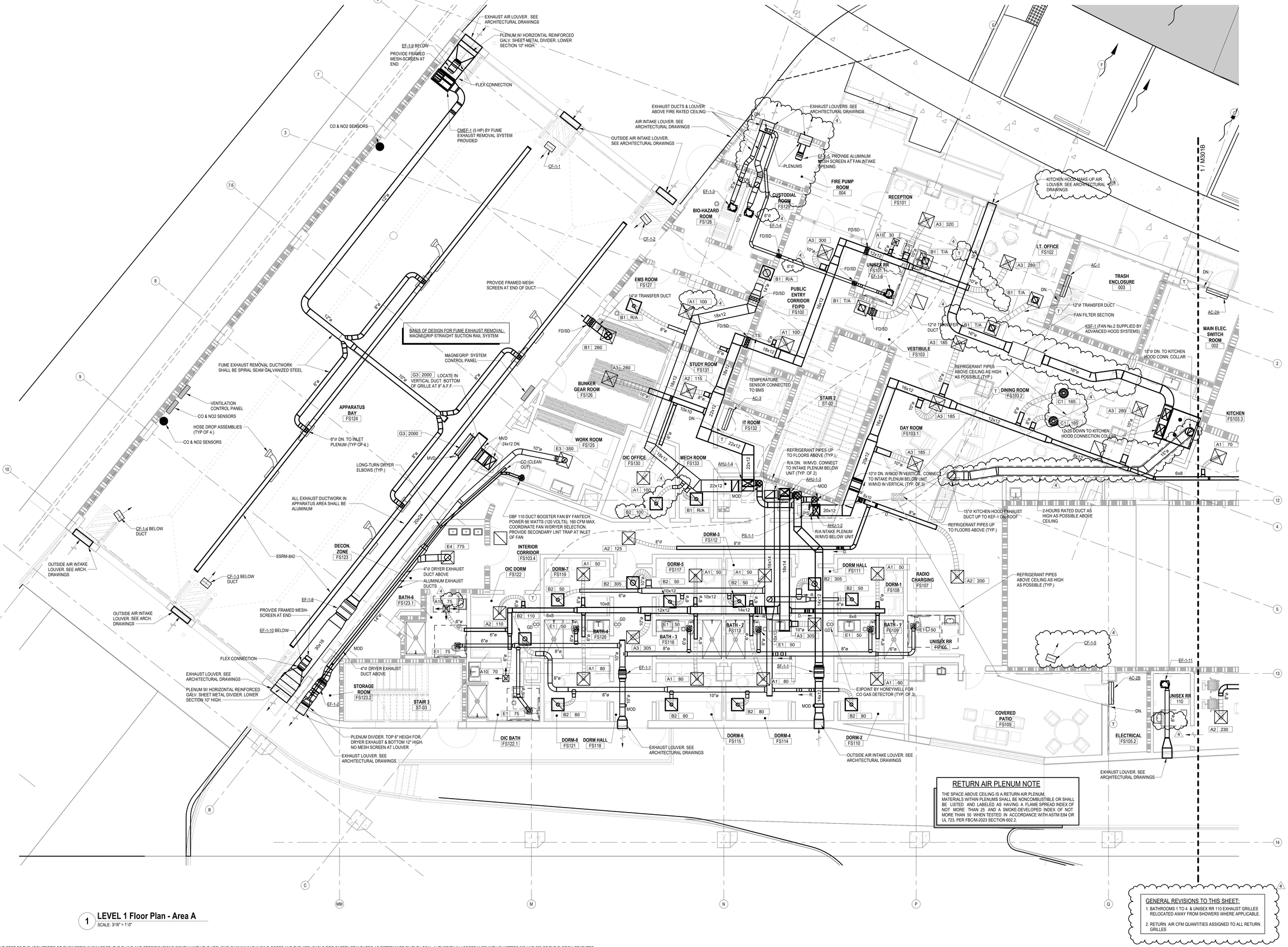
1. CERTIFY THAT THE OCCUPANT SENSOR HAS BEEN LOCATED AND AIMED IN ACCORDANCE WITH MANUFACTURER RECOMMENDATIONS
2. FOR PROJECTS WITH SEVEN OR FEWER OCCUPANT SENSORS, EACH SENSOR SHALL BE TESTED.
3. FOR PROJECTS WITH MORE THAN SEVEN OCCUPANT SENSORS, TESTING SHALL BE DONE FOR EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY. WHERE MULTIPLES OF EACH UNIQUE COMBINATION OF SENSOR TYPE AND SPACE GEOMETRY ARE PROVIDED, NOT LESS THAN 10 PERCENT, BUT IN NO CASE LESS THAN ONE, OF EACH COMBINATION SHALL BE TESTED UNLESS THE CODE OFFICIAL OR DESIGN PROFESSIONAL REQUIRES A HIGHER PERCENTAGE TO BE TESTED. WHERE 30 PERCENT OR MORE TESTED CONTROLS FAIL, ALL REMAINING IDENTICAL COMBINATION SHALL BE TESTED.

FOR OCCUPANT SENSOR CONTROLS TO BE TESTED, VERIFY THE FOLLOWING:

3.1 WHERE OCCUPANT SENSOR CONTROLS INCLUDE STATUS INDICATORS, VERIFY CORRECT OPERATION .
3.2 THE CONTROLLED LIGHTS TURN OFF OR DOWN TO THE PERMITTED LEVEL WITHIN THE REQUIRED TIME.
3.3 FOR AUTO-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON TO THE PERMITTED LEVEL WHEN AN OCCUPANT ENTERS THE SPACE.
3.4 FOR MANUAL-ON OCCUPANT SENSOR CONTROLS, THE LIGHTS TURN ON ONLY WHEN MANUALLY ACTIVATED.
3.5 THE LIGHTS ARE NOT INCORRECTLY TURNED ON BY MOVEMENT IN ADJACENT AREAS OR BY HVAC OPERATION.

C408.3.1.2 TIME-SWITCH CONTROLS. WHERE TIME-SWITCH CONTROLS ARE PROVIDED, THE FOLLOWING PROCEDURES SHALL BE PERFORMED:

1. CONFIRM THAT THE TIME-SWITCH CONTROL IS PROGRAM



RETURN AIR PLENUM NOTE

THE SPACE ABOVE CEILING IS A RETURN AIR PLENUM. MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ASTM E84 OR UL 723, PER FBC/M-2023 SECTION 602.2.

GENERAL REVISIONS TO THIS SHEET:

4

1. BATHROOMS 1 TO 4 & UNISEX RR 110 EXHAUST GRILLES RELOCATED AWAY FROM SHOWERS WHERE APPLICABLE.
2. RETURN AIR CFM QUANTITIES ASSIGNED TO ALL RETURN GRILLES

1 LEVEL 1 Floor Plan - Area A

SCALE: 3/16" = 1'-0"

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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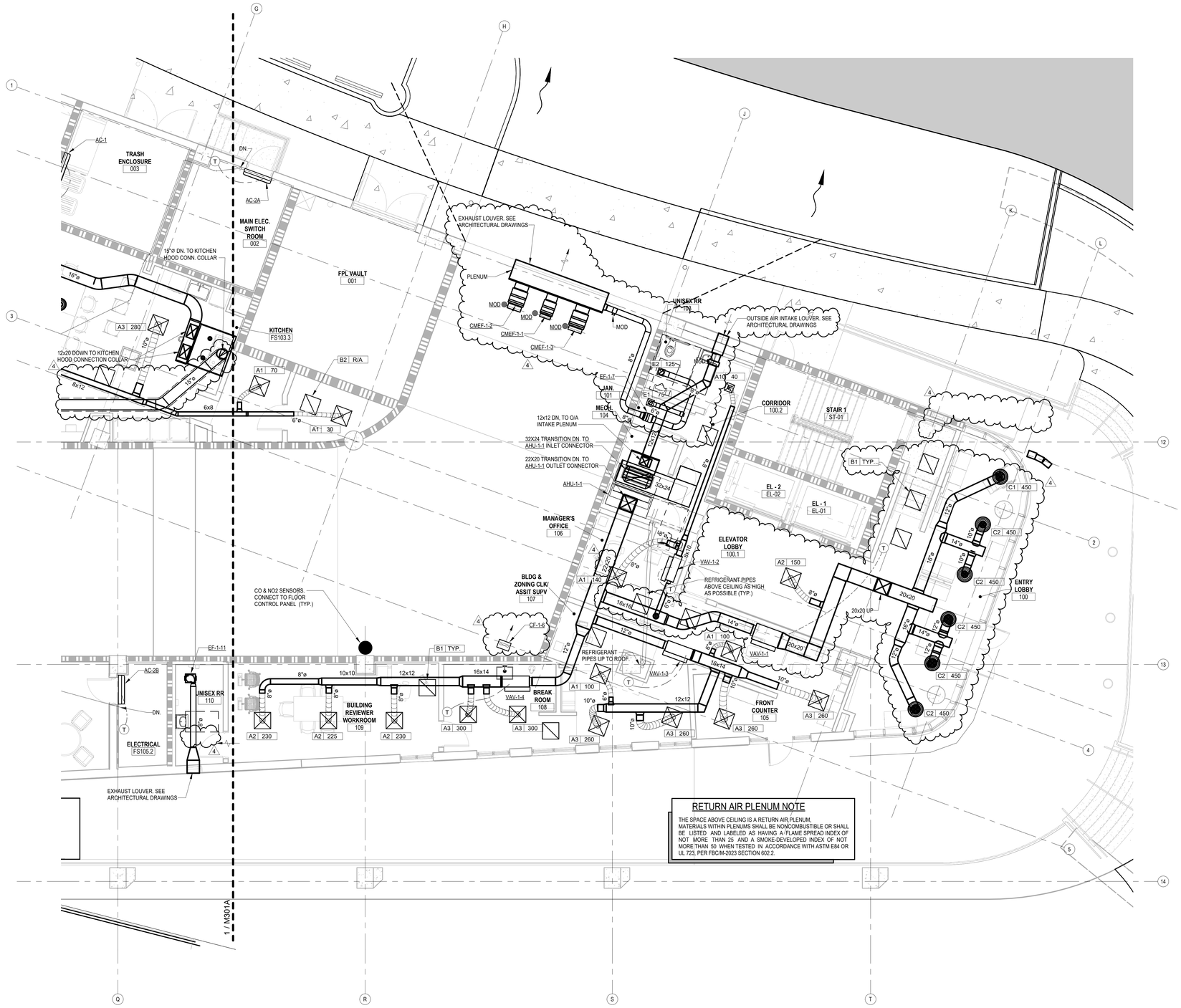
MECHANICAL FIRST FLOOR PLAN - AREA A

M301A



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1 **LEVEL 1 Floor Plan - Area B**
SCALE: 3/16" = 1'-0"

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MECHANICAL FIRST FLOOR PLAN - AREA B

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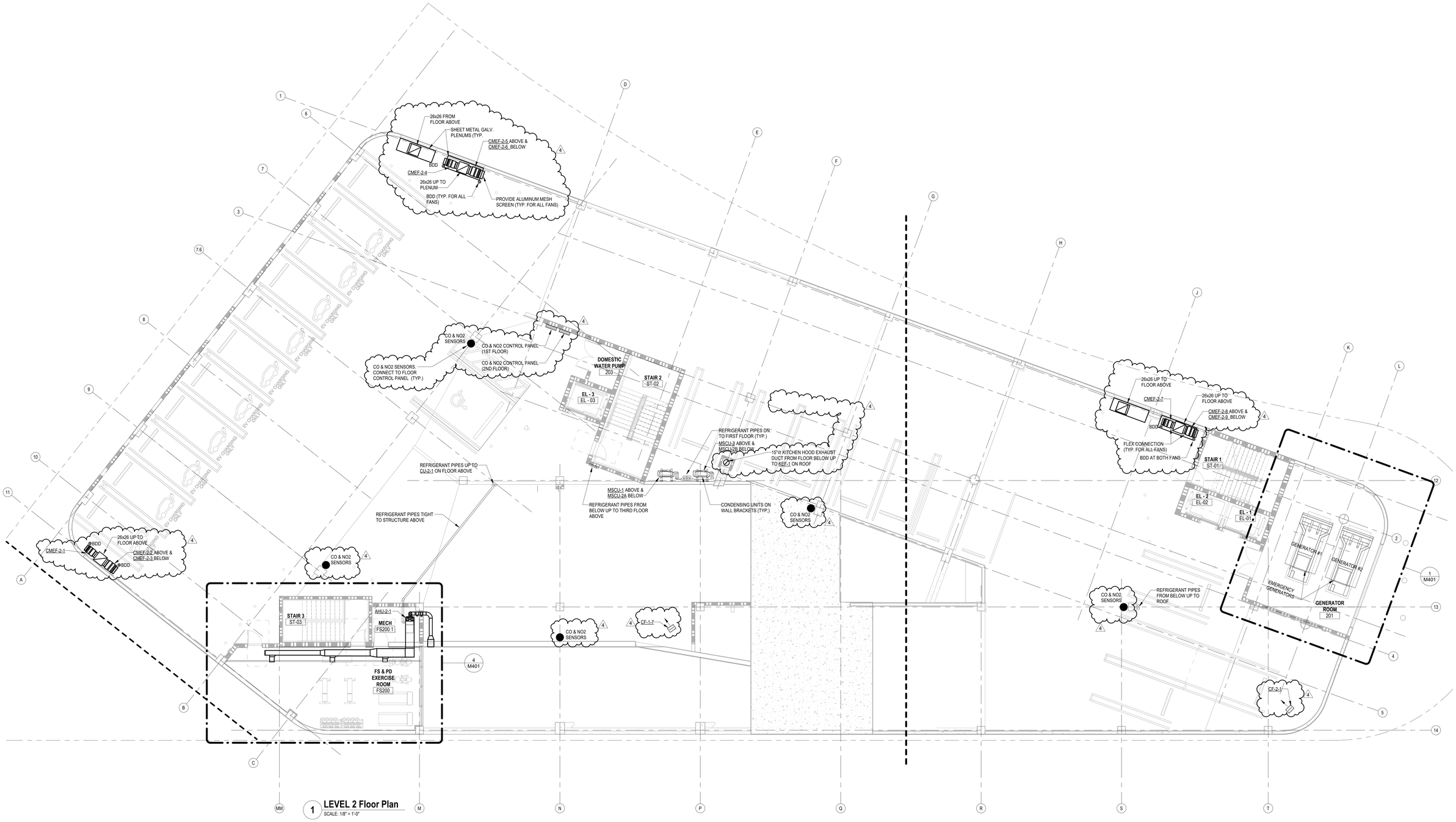

1 LEVEL 2 Floor Plan
SCALE: 1/8" = 1'-0"

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MECHANICAL SECOND FLOOR PLANS

M302

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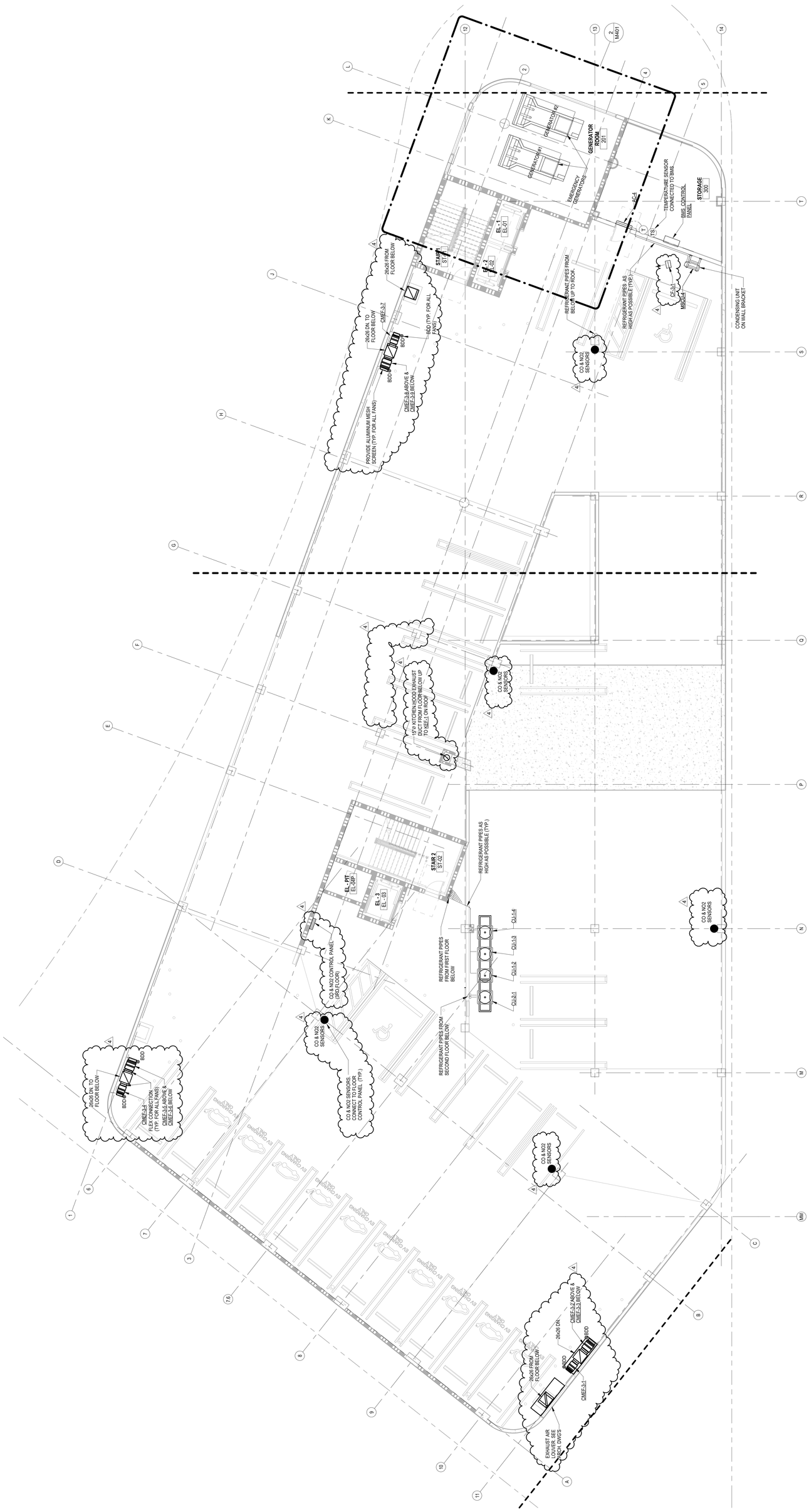

1 LEVEL 3 Floor Plan
SCALE: 1/8" = 1'-0"

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MECHANICAL THIRD FLOOR PLAN

M303

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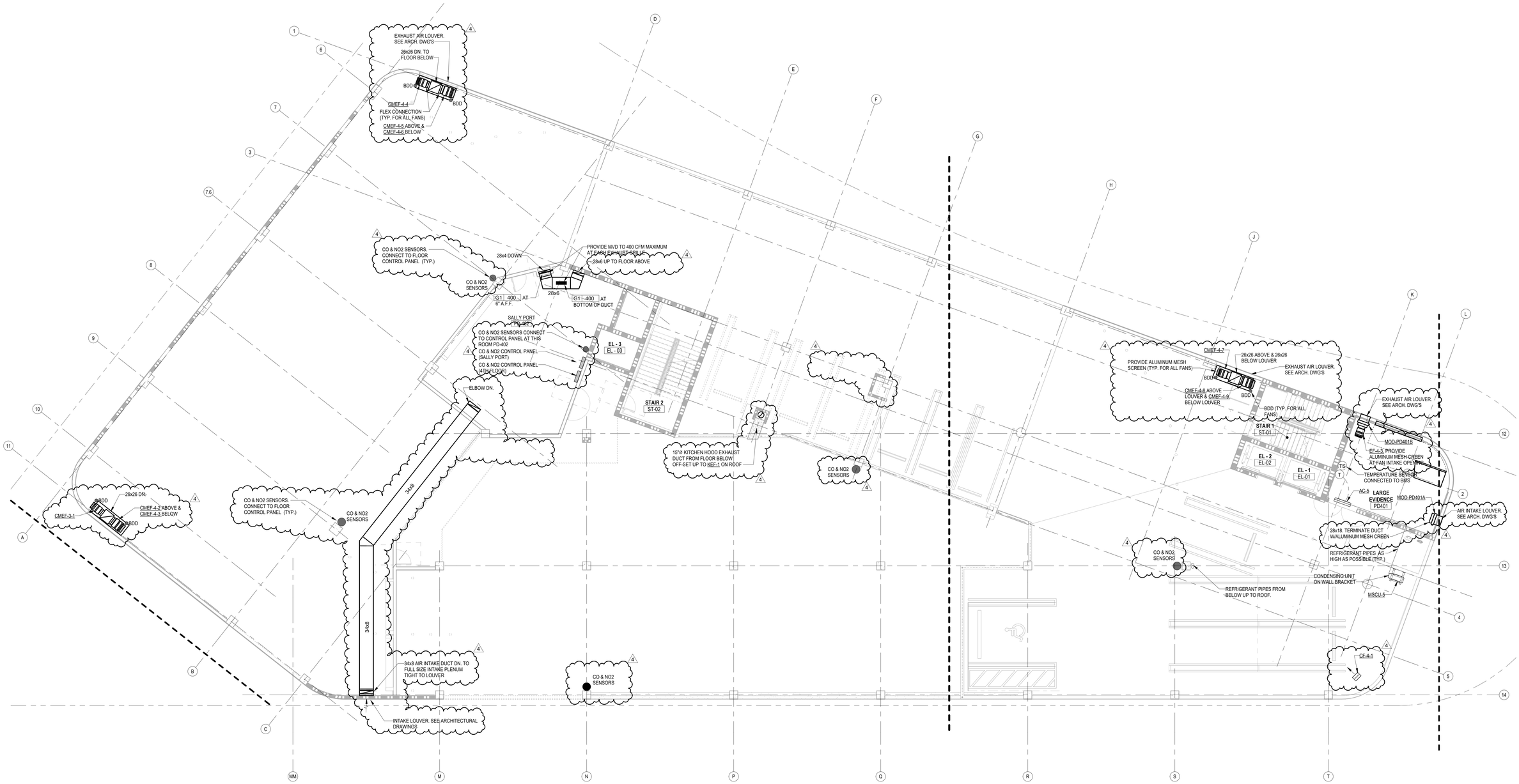

1 LEVEL 4 Floor Plan

SCALE: 1/8" = 1'-0"

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MECHANICAL FOURTH FLOOR PLAN

M304

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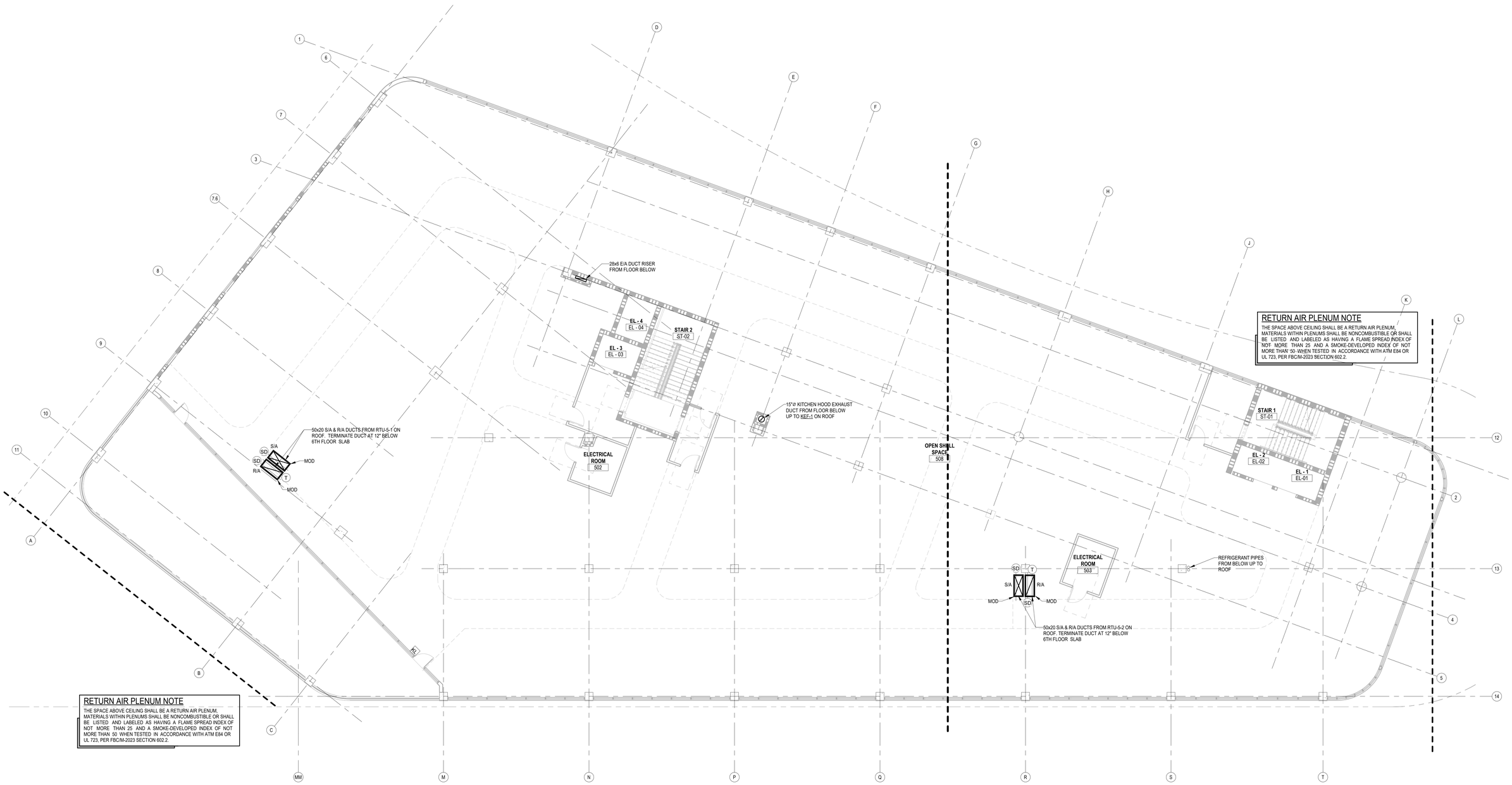

RETURN AIR PLENUM NOTE

THE SPACE ABOVE CEILING SHALL BE A RETURN AIR PLENUM, MATERIALS WITHIN PLENUMS SHALL BE NONCOMBUSTIBLE OR SHALL BE LISTED AND LABELED AS HAVING A FLAME SPREAD INDEX OF NOT MORE THAN 25 AND A SMOKE-DEVELOPED INDEX OF NOT MORE THAN 50 WHEN TESTED IN ACCORDANCE WITH ATM E84 OR UL 723, PER FBC/M-2023 SECTION 602.2.

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1 **LEVEL 5 Floor Plan**
SCALE: 1/8" = 1'-0"

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MECHANICAL FIFTH FLOOR PLAN

4 NEW SHEET
M305

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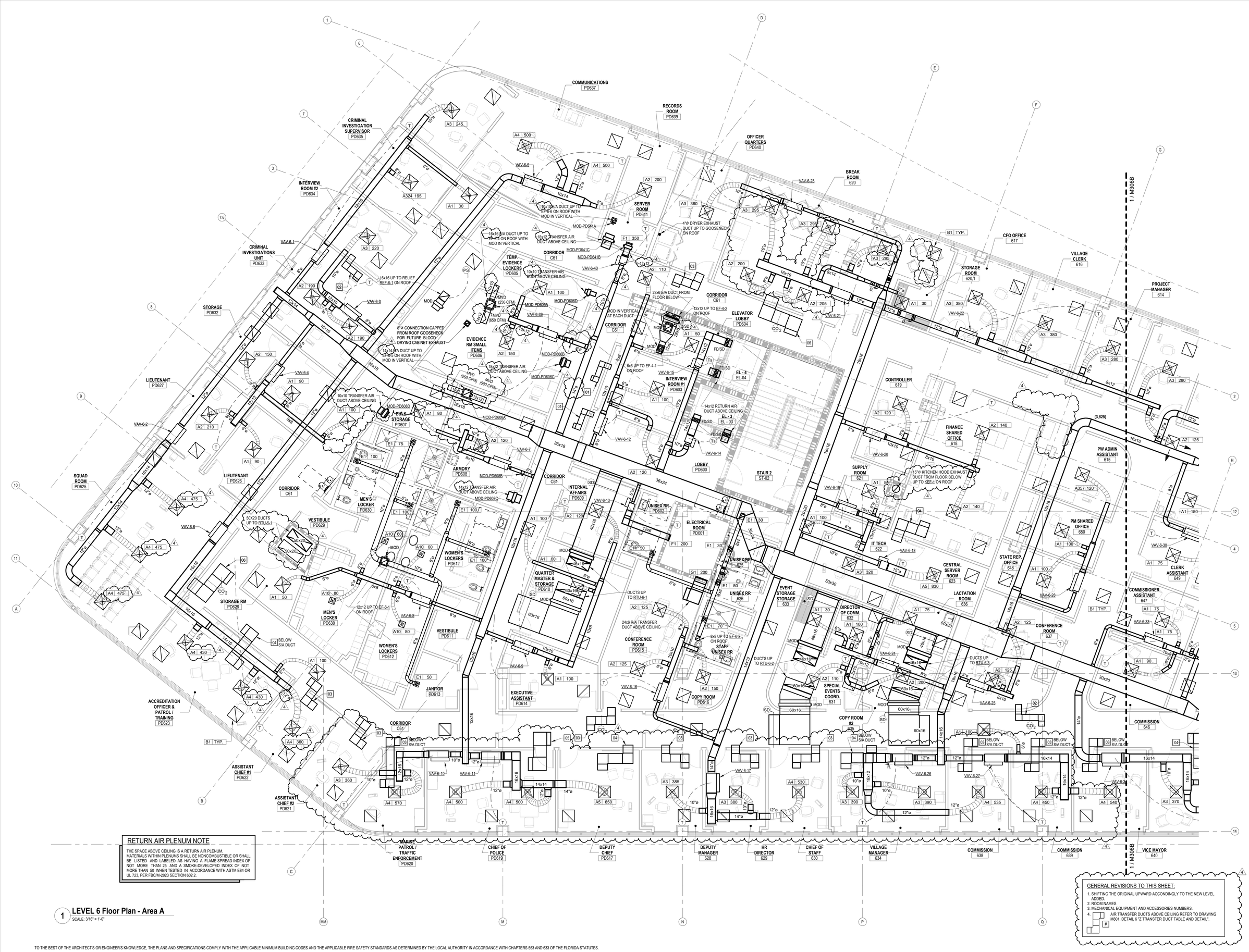

1 LEVEL 6 Floor Plan - Area A
SCALE: 3/16" = 1'-0"

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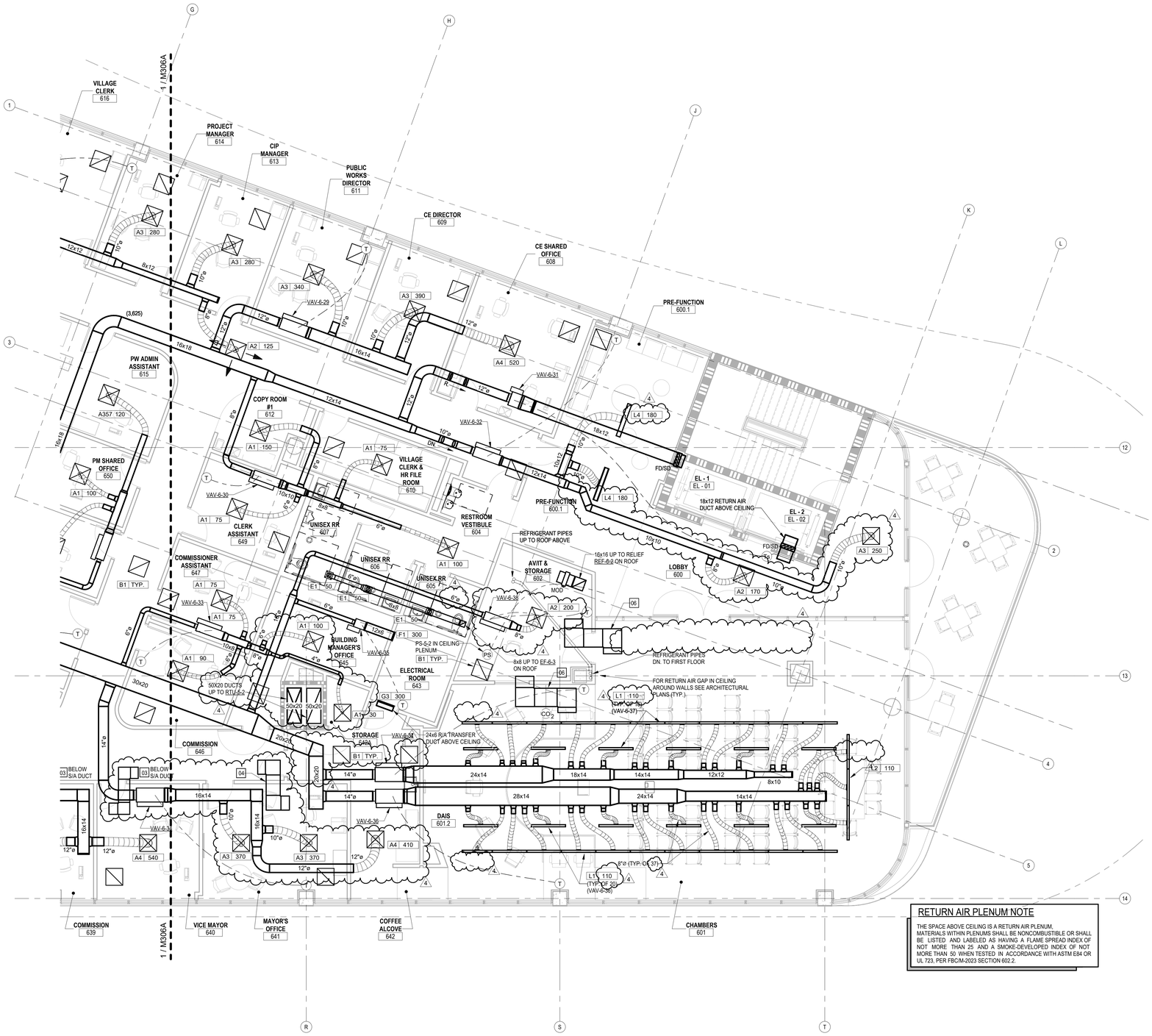
MECHANICAL SIXTH FLOOR PLAN - AREA A

M306A



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GENERAL REVISIONS TO THIS SHEET:

1. SHIFTING THE ORIGINAL UPWARD ACCONDINGLY TO THE NEW LEVEL ADDED.
2. ROOM NAMES
3. MECHANICAL EQUIPMENT AND ACCESSORIES NUMBERS.
4. AIR TRANSFER DUCTS ABOVE CEILING REFER TO DRAWING M801, DETAIL 6 "Z TRANSFER DUCT TABLE AND DETAIL".

1 LEVEL 6 Floor Plan - Area B
SCALE: 3/16" = 1'-0"

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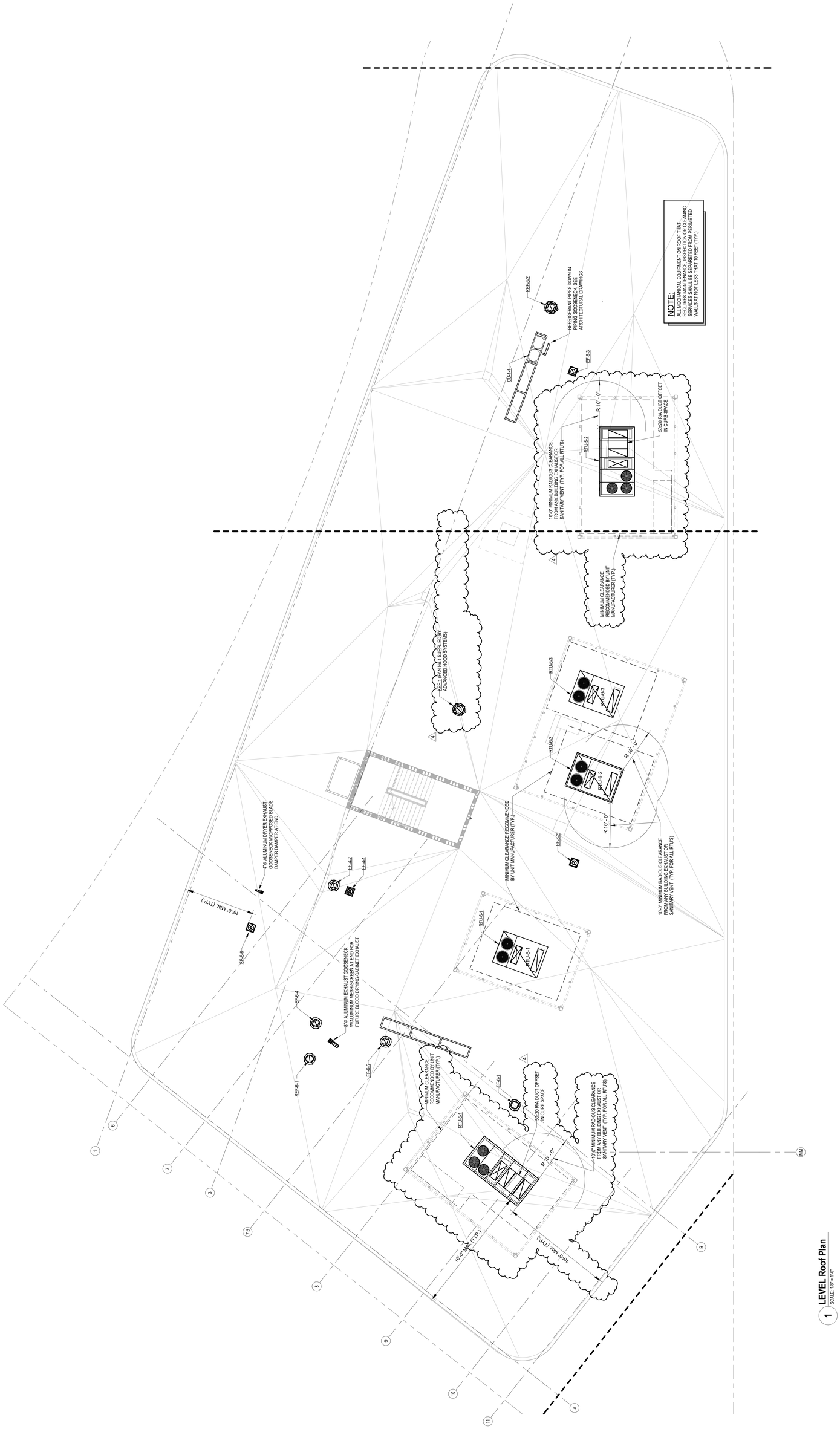
MECHANICAL SIXTH FLOOR PLAN - AREA B

M306B



1 LEVEL Roof Plan
SCALE: 1/8" = 1'-0"

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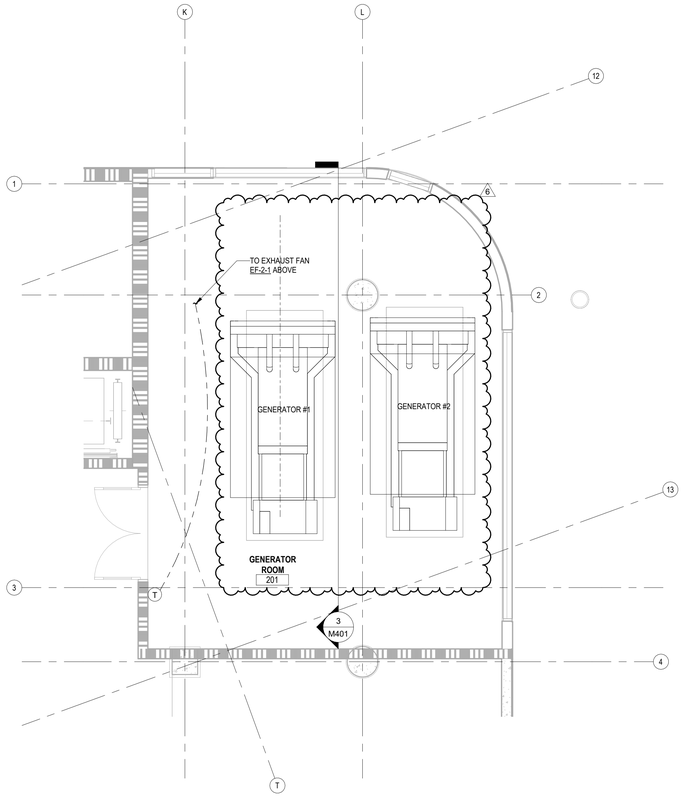
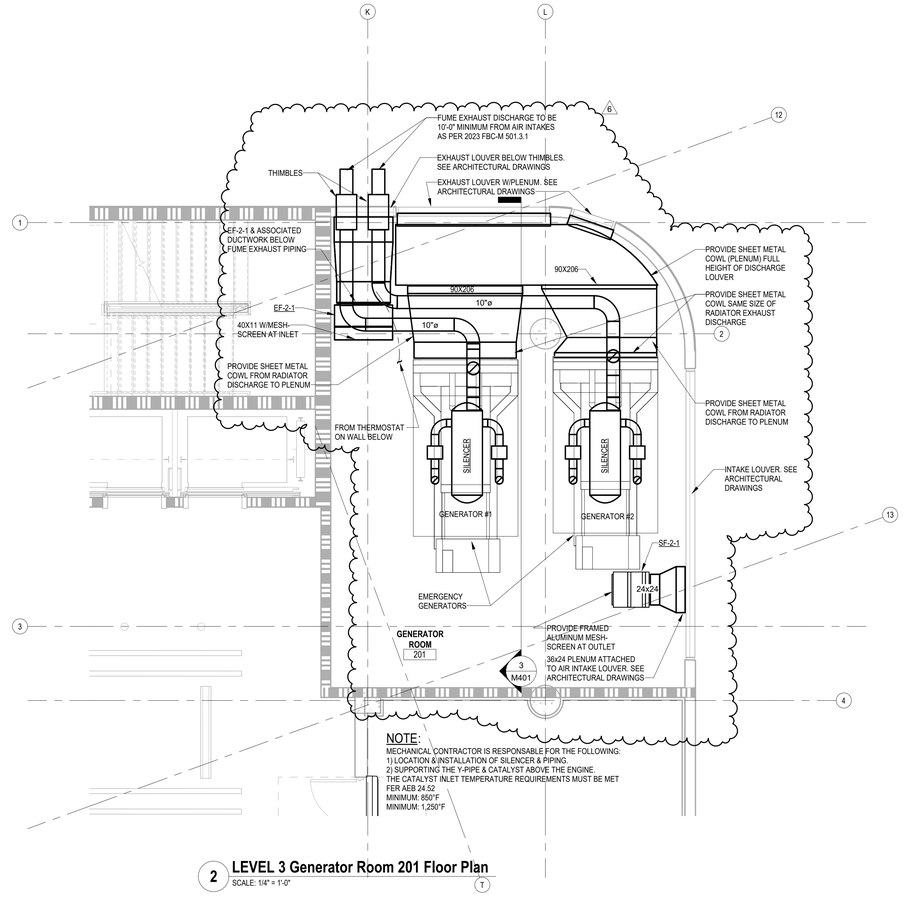
MECHANICAL ROOF PLAN

M307



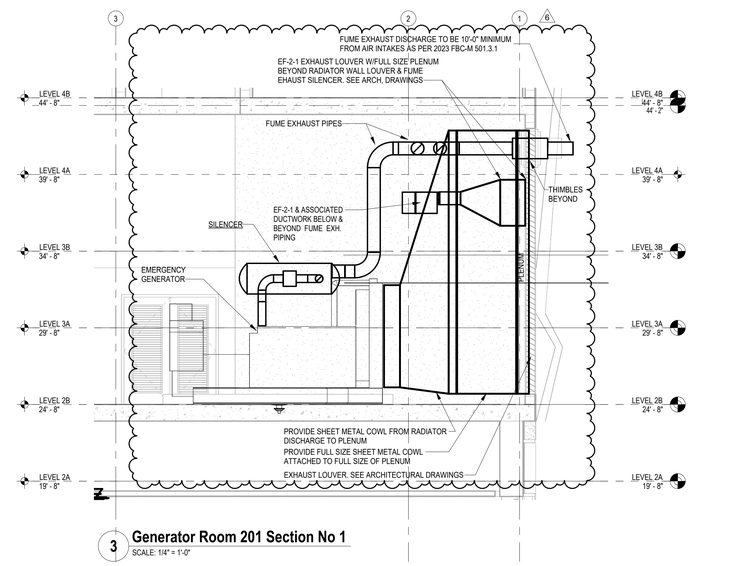
1 LEVEL 2 Generator Room 201 Floor Plan

SCALE: 1/4" = 1'-0"



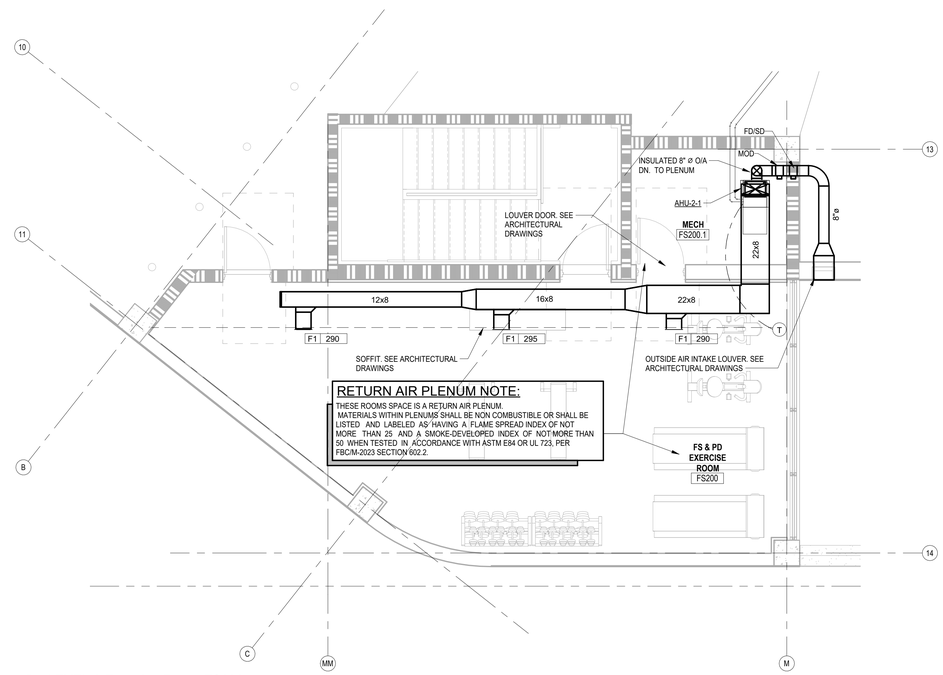
2 LEVEL 3 Generator Room 201 Floor Plan

SCALE: 1/4" = 1'-0"



3 Generator Room 201 Section No 1

SCALE: 1/4" = 1'-0"



4 LEVEL 2 Exercise Room FS200

SCALE: 1/4" = 1'-0"

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6	Revision 6	10/27/25

MECHANICAL ENLARGED PLANS AND SECTIONS

M401

DX ROOFTOP UNIT SCHEDULE

	UNIT DESIGNATION	RTU-6-1, RTU-6-2 & RTU-6-3	RTU-5-1 & RTU-5-2
	UNIT TYPE	ULTRA HIGH EFFICIENCY MULTIPLE ZONE VAV WITH OVERSIZED HIGH STATIC MOTOR	STANDARD EFFICIENCY VAV W/BYPASS & SGR
	UNIT CAPACITY	25 TON	30 TON
INDOOR FAN	TOTAL AIR, CFM	7,500	9,000
	OUTSIDE AIR, CFM	1,500	1,280
	EXTERNAL STATIC PRESSURE, IN. OF WATER	1.3	1.75
	FAN NUMBER / TYPE	2 / BC PLENUM	1 / FC
	MOTOR DRIVE	VARIABLE DIRECT	BELT
	MOTOR HORSE POWER, HP / OPERATING POWER, HP	3.0 / 4.1	10.0
EVAP. COIL	DESIGN AIR FLOW, CFM	7,500	9,000
	TOTAL CAPACITY, MBH	255.09	357.97
	SENSIBLE CAPACITY, MBH	184.14	252.84
	ENTERING AIR TEMPERATURE, DB/WB °F	79.0 / 65.6	79.1 / 66.1
	LEAVING AIR TEMPERATURE, DB/WB °F	55.47 / 53.7	55.12 / 53.63
COMPRESSORS	NO. OF COMPRESSORS	2	3
	REFRIGERANT TYPE	R-454B	R-454B
	COMPRESSORS, RLA	COMPRESSOR #1= 43.3 COMPRESSOR #2= 32.3	COMPRESSOR #1=27.7 COMPRESSOR #2&3= 42.30 EA.
	COMPRESSOR POWER, KW	19.57	27.36
EXTERIOR FAN	FAN TYPE	PROPELLER	PROPELLER
	NO. OF CONDENSER FANS	2	3
	DRIVE TYPE	DIRECT	DIRECT
	CONDENSER FAN, FLA	5.20	4.40
	AMBIENT AIR TEMPERATURE, °F	95	95
	ELECTRICAL SERVICE AVAILABLE	208/3/60	208/3/60
	MINIMUM CIRCUIT AMPACITY - MCA @ 208V	110.0	163.0
	MAXIMUM OVERCURRENT PROTECTION- MOP	150.0	200.0
	EER/IEER	11.2 / 20.3	10.8 / 15.6
	FILTER TYPE	2" MERV 13	2" MERV 8 THROWAWAY FILTERS
	UNIT WEIGHT (lbs)	2,200	4,316
	BASIS OF DESIGN	TRANE	TRANE
	DESIGN MANUFACTURER MODEL NO.	TJK300A500	TCD360E0
	NOTES AND ACCESSORIES	(1) THRU (15)	(1) THRU (15)

NOTES AND ACCESSORIES:

(1) PROVIDE UL LISTED PACKAGED UNIT WITH AMCA & AHRI CERTIFIED RATINGS.

(2) PROVIDE OVERFLOW CONDENSATE SAFETY SWITCH TO STOP THE UNIT IN CASE OF OVERFLOW.

(3) STAINLESS STEEL DRAIN PAN.

(4) FAN SHALL BE PREMIUM EFFICIENCY, SPRING ISOLATED AND AIRFOIL TYPE. FAN FAILURE SWITCH.

(5) HINGED ACCESS PANELS.

(6) PROVIDE FACTORY MOUNTED NON-FUSED DISCONNECT SWITCH AND POWERED 115V GFI OUTLET.

(7) 5 YEAR COMPRESSOR WARRANTY, PROVIDE VARIABLE COMPRESSORS & ISOLATION VALVES.

(8) RTU SHALL BE PROVIDED WITH FACTORY MOUNTED DDC CONTROLLER. CONNECTED TO THE BMS.

(9) PROVIDE ROOF CURB W/NOA. CURB HEIGHT SHALL BE 24 INCHES MIN. ABOVE FINISH ROOF.

(10) PROVIDE COMPRESSOR WITH SOUND ATTENUATION JACKET.

(11) PROVIDE ROOFTOP UNITS WITH FACTORY MOUNTED MOTOR OPERATED OUTSIDE AIR DAMPER INTAKE TO CLOSE 100% WHENEVER ROOFTOP UNIT SHUTS DOWN. DAMPER WILL MODULATE BASED ON CO2 SENSOR

(12) DATA SHOWN IS FOR EACH ROOFTOP UNIT.

(13) PROVIDE COATING PROTECTION TO EQUIPMENT & ACCESSORIES EXPOSED TO EXTREME CORROSION ENVIROMENTS (CX). REFER TO COATING NOTE REQUREMENTS ON THIS DRAWING.

(14) PROVIDE UNITS WITH HLR-100M MODULE FROM ENVERID MANUFACTURER INSIDE UNIT RETURN PLENUM BOX INSTALLED BY TRANE FACTORY. PROVIDE UNITS WITH 15 AMP BREAKER (208V/1PH/60HZ), FOR 550 WATTS HLR-100M MODULE POWER CONSUMPTION.

(15) PROVIDE ROOFTOP UNITS WITH FACTORY MOUNTED MOTOR OPERATED OUTSIDE AIR INTAKE DAMPER TO CLOSE 100% WHENEVER ROOFTOP UNIT SHUTS DOWN. DAMPER WILL MODULATE BASED ON CO2 SENSOR. RTU-5-1, RTU-5-2 & RTU-5-3 OUTSIDE AIR DAMPER WILL MODULATE AIR FLOW FROM 670 CFM (BASED ON IAQP CALCULATION REPORT BY ENVERID) TO 1,500CFM (BASED ON ASHRAE 62.1-2010 TRACE/TRANE).

SPLIT SYSTEM AHU UNIT SCHEDULE

	UNIT DESIGNATION	AHU-1-1	AHU-1-2	AHU-1-3	AHU-1-4	AHU-2-1
	UNIT LOCATED	MECH ROOM 104	MECH ROOM FS133	MECH ROOM FS133	MECH ROOM FS133	MECH ROOM FS200.1
	AREA SERVED	LOBBY & OFFICES	DAY ROOM FIRST FLOOR	DORMS ROOM FIRST FLOOR	PUBLIC ENTRY AND OFFICES FIRST FL	EXERCISE ROOM SECOND FLOOR
	DESIGN MANUFACTURER INDOOR UNIT MODEL NO.	UCCA08DA0G	TEM6B0C60H51	TEM6A0C048H41	TEM6B0C060H51	TEM6A0C36H31
FAN / COIL SECTION	TOTAL AIR, CFM	3,600	1,640	1,365	1,890	875
	OUTSIDE AIR, CFM	600	265	350	205	140
	EXTERNAL STATIC PRESSURE IN W.G.	1.25	.5	.5	.5	.5
	FAN MOTOR HP (NON-OVERLOAD)	5	3/4	3/4	3/4	1/2
	ELECTRICAL SERVICE-VOLTS-PH/HZ	208/3/60	208/1/60	208/1/60	208/1/60	208/1/60
	TOTAL CAPACITY, BTUH	125,63	55,66	46,88	55,24	28,73
	TOTAL SENSIBLE CAPACITY, BTUH	94,01	39,43	36,01	44,87	19,76
	ENTERING AIR TEMPERATURE, °F DB/ WB	77.8 / 63.7	77.7 / 64.9	78.8/ 64.8	77.0 / 63.1	77.8 / 66.4
	LEAVING AIR TEMPERATURE, °F DB/ WB	54.2 / 51.3	55.1 / 53.1	53.8 / 52.7	54.8 / 52.7	56.6 / 55.5
FILTER	TYPE	THROWAWAY	THROWAWAY	THROWAWAY	THROWAWAY	THROWAWAY
	EFFICIENCY	MERV 13	MERV 13	MERV 13	MERV 13	MERV 13
	THICKNESS	2"	1"	1"	1"	1"
HEATER	CAPACITY, KW	N/A	7.21	5.77	7.21	3.60
	NUMBER OF STEPS	N/A	1	1	1	1
	ELECTRICAL SERVICE-VOLTS/PH/HZ	N/A	208/1/60	208/1/60	208/1/60	208/1/60
	HEATER, A - MCA - MOP	N/A	40.0	32.0	40.0	20.0
	AHU MCA - MOP, A	21.88 / 35	59.0 / 60	49.0 / 50	59.0 / 60	30.0 / 30
	AHU OPERATING WEIGHT, POUNDS	1,019	185	174	185	144
CONDENSING UNIT	UNIT DESIGNATION	CU-1-1	CU-1-2	CU-1-3	CU-1-4	CU-1-4
	LOCATION	ROOF STAND	3RD FLOOR PARKING	3RD FLOOR PARKING	3RD FLOOR PARKING	3RD FLOOR PARKING
	REFRIGERANT TYPE	R-410A	R-410A	R-410A	R-410A	R-410A
	NUMBER OF COMPRESSORS	1	1	1	1	1
	CONDENSER FAN-TYPE	PROPELLER (X2)	PROPELLER	PROPELLER	PROPELLER	PROPELLER
	ASHRAE 90.1 S8.4.1 COMPLIANT	YES	YES	YES	YES	YES
	EER / EER2 RATING	13.3/ -	- /12.0	- /12.3	- /12.0	- /12.3
	SEER / SEER2 RATING	25.4/ -	- /16.0	- /16.0	- /16.0	- /15.4
	AMBIENT AIR TEMPERATURE °F DB	95	95	95	95	95
	ELECTRICAL SERVICE-VOLTS/PH/HZ	208/3/60	208/1/60	208/1/60	208/1/60	208/1/60
	DESIGN MANUFACTURER UNIT MODEL NO.	TUHYE1203AN41AN	4TTR6060N1	4TTR6048N1	4TTR6060N1	4TTR5030N1
	OPERATING WEIGHT, POUNDS	757	275	259	275	184
	MCA - MOP, A	55.0 / 90	35.0 / 60	35.0 / 45	35.0 / 60	17.0 / 25
	NOTES & ACCESSORIES	(1)(2)(3)(7)(9)(10)(11)	(1) THRU (8)(10)	(1) THRU (8)(10)	(1) THRU (8)(10)	(1) THRU (8)(10)
	BASIS OF DESIGN	TRANE	TRANE	TRANE	TRANE	TRANE

NOTES AND ACCESSORIES:

(1) REFRIGERANT PIPE SIZES AS PER RECOMMENDED BY UNIT MANUFACTURER.

(2) INSULATE AIR HANDLING UNIT CASING PER FLORIDA ENERGY CODE.

(3) PROVIDE LIQUID LINE SOLENOID VALVES REQUIRED IF REQUIRED BY UNIT MANUFACTURER.

(4) ELECTRIC HEATER SHALL BE PROVIDED BY AIR HANDLING UNIT MANUFACTURER.

(5) PROVIDE ONE MANUFACTURER'S 7-DAY PROGRAMMABLE THERMOSTAT TO CONTROL EACH UNIT WITH REMOTE TEMP SENSOR ON R/A DUCT.

(6) FACTORY PROVIDED WITH OVERFLOW CONDENSATE SAFETY FLOAT SWITCH TO SHUT-DOWN EQUIPMENT, PER FBCM-2023 SECTION 307.2.3.3.

(7) MOTORIZED DAMPER SHALL BE INTERLOCK WITH ASSOCIATED AHU.

(8) AHU's SHALL BE SET AT NOMINAL CONSTANT FLOW.

(9) VARIABLE COMPRESSOR, AHU WITH PANEL R-13 FOAM INJECTED, STAINLESS STEEL DRAIN PAN, MIXING PLENUM BY MANUFACTURER.

(10) REFER TO EQUIPMENT & ACCESSORIES EXPOSED TO EXTREME CORROSION ENVIROMENTS (CX) COATING NOTE ON THIS DRAWING.

(11) PROVIDE UNIT WITH CONTROLS CONNECTED TO BMS.

MINI-SPLIT A/C SYSTEMS SCHEDULE

UNIT DESIGNATION	AC-1 / MSCU-1	AC-2A / MSCU-2A	AC-2B / MSCU-2B	AC-3 / MSCU-3	AC-4 / MSCU-4	AC-5 / MSCU-5
AREA SERVED	FIRST FLOOR TRASH ENCLOSURE ROOM 003	FIRST FLOOR MAIN ELECTRICAL SWITCH ROOM 002	FIRST FLOOR ELECTRICAL ROOM FS105.2	FIRST FLOOR IT ROOM FS132	THIRD FLOOR STORAGE RM. 300	FOURTH FLOOR LARGE EVIDENCE ROOM PD401
UNIT TYPE	WALL MOUNTED AC	WALL MOUNTED AC	WALL MOUNTED AC	WALL MOUNTED AC	WALL MOUNTED AC	WALL MOUNTED AC
TOTAL COOLING CAPACITY, BTUH	9,000	18,000	12,000	30,600	12,000	12,000
TOTAL HEATING CAPACITY, BTUH	-	-	-	-	14,000	14,000
SEER / SEER2	24.6 / 28.4	20.5 / 21.5	23.1 / 25.6	18.1 / 19.2	23.1 / 25.6	23.1 / 25.6
EER / EER2	15.4 / 15.4	13.45 /13.45	13.05 / 13.05	9.25 / 9.2	- / 13.5	- / 13.5
TOTAL AIR, CFM	380	600	400	600	400	400
OUTSIDE AIR INTAKE, CFM	-	-	-	-	-	-
ELECTRICAL SERVICE-VOLTS /PH/HZ	208/1/60	208/1/60	208/1/60	208/1/60	208/1/60	208/1/60
INDOOR UNIT MCA	1.0	1.0	1.0	1.0	1.0	1.0
OUTDOOR UNIT MCA	10.0	12.0	10.0	22.0	10.0	10.0
OUTDOOR MOCP	15.0	15.0	15.0	25.0	15.0	15.0
COMPRESSOR TYPE	DC INVERTER-DRIVEN	DC INVERTER-DRIVEN	DC INVERTER-DRIVEN	DC INVERTER-DRIVEN	DC INVERTER-DRIVEN	DC INVERTER-DRIVEN
REFRIGERANT TYPE	R410A	R410A	R410A	R410A	R410A	R410A
INDOOR UNIT DESIGNATION	AC-1	AC-2A	AC-2B	AC-3	AC-4	AC-5
INDOOR UNIT LOCATION	WALL-MOUNTED	WALL-MOUNTED	WALL-MOUNTED	WALL-MOUNTED	WALL-MOUNTED	WALL-MOUNTED
INDOOR UNIT WEIGHT (LBS)	23	28	23	45	22	22
INDOOR UNIT MODEL	NTYWST09B112A	NTYWST18B112A	NTYWST12B112A	NTYWST30C112AA	NTXWST12B112A	NTXWST12B112A
OUTDOOR UNIT DESIGNATION	MSCU-1	MSCU-2A	MSCU-2B	MSCU-3	MSCU-4	MSCU-5
OUTDOOR UNIT LOCATION	BRAKETS	BRAKETS	BRAKETS	BRAKETS	BRAKETS	BRAKETS
OUTDOOR UNIT WEIGHT (LBS)	79	119	79	122	79	79
OUTDOOR UNIT MODEL	NTYSST09B112A	NTYSST18B112A	NTYSST12B112A	NTYSST30C112AA	NTXSST12B112A	NTXSST12B112A
DESIGN MANUFACTURER	TRANE MITSUBISHI ELECTRIC	TRANE MITSUBISHI ELECTRIC	TRANE MITSUBISHI ELECTRIC	TRANE MITSUBISHI ELECTRIC	TRANE MITSUBISHI ELECTRIC	TRANE MITSUBISHI ELECTRIC
NOTES & ACCESSORIES	(1) THRU (7)	(1) THRU (7)	(1) THRU (7)	(1) THRU (7)	(1) THRU (8)	(1) THRU (8)

NOTES & ACCESSORIES:

(1) SIZE REFRIGERANT PIPING AS PER MANUFACTURER'S RECOMMENDATIONS.

(2) PROVIDE FACTORY FURNISHED PROGRAMMABLE THERMOSTAT.

(3) OVERFLOW CONDENSATE SAFETY SWITCH BY UNIT MANUFACTURER.

(4) REFER TO EQUIPMENT & ACCESSORIES EXPOSED TO EXTREME CORROSION ENVIROMENTS (CX) COATING NOTE ON THIS DRAWING.

(5) PROVIDE INDOOR BLOWER COIL UNIT WITH OVERLOAD PROTECTION.

(6) INSTALL UNIT AS PER MANUFACTURER'S RECOMMENDATIONS AT NOA MOUNTING BRACKETS OR STANDS.

(7) INDOOR / OUDDOOR UNIT WITH ELECTRICAL SINGLE POINT OF CONNECTION

(8) HEATING SOURCE BY HEAT PUMP (HSPF2 VALUE 10.7).

OUTSIDE AIR CALCULATIONS (2023 FBC-M TABLE 403.3.1.1)

UNIT	SPACE	AREA	CFM/SQ FT	CFM/PERSON	PEOPLE	CALCULATION O/A	DESIGN O/A
AHU-1-1	LOBBY AND OFFICES	2,026	-	-	28	598	600
AHU-1-2	DAY ROOM	2,244	-	-	20	264	350
AHU-1-3	DORMS	1,543	-	-	9	300	350
AHU-1-4	LOBBY AND OFFICES	1,471	-	-	18	205	205
AHU-2-1	EXERCISE ROOM	695	-	-	5	139	140
RTUS-5-1 & 5-2	FUTURE OFFICE SPACE	20,890	-	-	250	2,556	2,560
RTUS-6-1 TO 6-3	OFFICE SPACE	20,950	-	-	254	4,196	4,500

NOTES:

1. CALCULATIONS ARE BASED ON ESTIMATED MAX. OCCUPANCY FOR VENTILATION RATES PER THE 2023 FLORIDA BUILDING CODE/ MECHANICAL CHAPTER 4.
2. REFER TO O/A DETAILED REPORT FOR SYTEM ZONE VENTILLATION REQUEIREMENTS.

AIR DISTRIBUTION DEVICE SCHEDULE

TYPE	CFM RANGE	DESCRIPTION SERVICE	NECK SIZE IN.	FACE SIZE IN.	FACE TYPE	N.C.	REMARKS
A1	0 - 100	SUPPLY	6"ø	24x24	SQUARE PLAQUE FACE	25	CEILING SUPPLY DIFFUSER
A2	105 - 225	SUPPLY	8"ø	24x24			
A3	230 - 400	SUPPLY	10"ø	24x24			
A4	405 - 625	SUPPLY	12"ø	24x24			
A5	630 - 850	SUPPLY	14"ø	24x24			
A6	855 - 980	SUPPLY	15"ø	24x24			
A10	0 - 100	SUPPLY	6"ø	12x12	SQUARE PLAQUE FACE	25	CEILING SUPPLY DIFFUSER
A11	105 - 225	SUPPLY	8"ø	12x12			
A12	230 - 400	SUPPLY	10"ø	12x12			
B1	1,000	RETURN/ TRANSFER	22x22	24x24	LOUVERED FACE RETURN GRILLE - 45° FIXED BLADES	25	LAY-IN OR SURFACE MOUNTED
B2	0 - 100		6x6	12x12			
C1	0 - 300	SUPPLY	8"ø	18"ø	ADJUSTABLE ROUND PLAQUE DIFFUSER	25	ROUND SUPPLY DIFFUSER
C2	305 - 400	SUPPLY	10"ø	22.5"ø			
C3	405 - 550	SUPPLY	12"ø	27"ø			
C4	550 - 800	SUPPLY	14"ø	31.5"ø			
D1	0 - 400	TRANSFER	18x10	20x12	LOUVERED FACE TRANSFER GRILLE - 45° FIXED BLADES	25	WALL SURFACE MOUNTED
E1	0 - 100	EXHAUST	6x6	8x8	LOUVERED FACE EXHAUST GRILLE - 45° FIXED BLADES	25	CEILING EXHAUST REGISTER
E2	105 - 180	EXHAUST	8x8	10x10			
E3	185 - 350	EXHAUST	10x10	12x12			
E4	0 - 1000	EXHAUST	22x22	24x24			
F1	0 - 650	SUPPLY	12x12	14x14	LOUVERED FACE DOUBLE DEFLECTION	25	SIDEWALL SUPPLY REGISTER
F2	655 - 1000	SUPPLY	18x12	20x14			
G1	0 - 350	EXHAUST	24x6	26x8	LOUVERED FACE EXHAUST GRILLE - 45° FIXED BLADES	25	SIDEWALL EXHAUST REGISTER
G2	355 - 550	EXHAUST	24x10	26x12			
G3	2,000	EXHAUST	46x22	48x24			
G4	2,000	EXHAUST	22x46	24x48			

LINEAR DIFFUSER SCHEDULE

TYPE	NOMINAL LENGTH	SLOT SPACING WIDTH	NUMBER OF SLOTS	MAXIMUM CFM PER FEET	N.C.	DESCRIPTION: LINEAR DIFFUSER MANUFACTURER/MODEL	BORDER TYPE	MPI-39 PLENUM BOX	ACCESSORIES
L1	4'-0"	1 IN.	1	33.0	25	TITUS ML-39	-	YES	
L2	4'-3"	1 IN.	1	33.0	25	TITUS ML-39	-	YES	
L3	3'-6"	1 IN.	1	33.0	25	TITUS ML-39	-	YES	
L4	4'-0"	1 IN.	3	75	25	TITUS ML-39	-	YES	

REMARKS:

-

LINEAR DIFFUSER PLENUM CONNECTION

CFM PER SECTION	INLET SIZE
100	6"Ø
135	8"Ø
300	10"Ø

BASIS OF DESIGN:

"A" A1 THRU A6" TITUS MODEL OMNI-AA - 24x24 (LAY-IN OR SURFACE MOUNTED) SQUARE PLAQUE FACE DIFFUSER, COLOR WHITE.
A10 THRU A12 TITUS MODEL OMNI-AA - 12x12 (LAY-IN OR SURFACE MOUNTED) SQUARE PLAQUE FACE DIFFUSER, COLOR WHITE.
"B" TITUS, MODEL 3FL - 24x24 (LAY-IN OR SURFACE MOUNTED) LOUVERED FACE RETURN GRILLE - 45° FIXED BLADES, COLOR WHITE.
"C" TITUS, MODEL R-OMNI ADJUSTABLE ROUND PLAQUE FACE DIFFUSER, SURFACE MOUNTED OR EXPOSED DUCTWORK, COLOR WHITE
"D" TITUS, MODEL MODEL 3FL - LAY-IN OR SURFACE MOUNTED, LOUVERED FACE TRANSFER GRILLE - 45° FIXED BLADES, COLOR WHITE.
"E" TITUS, MODEL MODEL 3FL - LAY-IN OR SURFACE MOUNTED, LOUVERED FACE EXHAUST GRILLE - 45° FIXED BLADES, COLOR WHITE.
"F" TITUS, MODEL MODEL 272FL - SURFACE MOUNTED, LOUVERED FACE, DOUBLE DEFLECTION GRILLE, COLOR WHITE.
"G" TITUS, MODEL MODEL 3FL - LAY-IN OR SURFACE MOUNTED, LOUVERED FACE EXHAUST GRILLE - 45° FIXED BLADES, COLOR WHITE
"G4" TITUS, MODEL MODEL 3FS - LAY-IN OR SURFACE MOUNTED, LOUVERED FACE EXHAUST GRILLE - 45° FIXED BLADES, COLOR WHITE.

NOTES:

1 - YOUNG REGULATORS SHALL BE PROVIDED FOR ALL AIR DEVICES LOCATED IN NON ACOUSTICAL TILE CEILINGS AND/OR IN ALL OTHER LOCATIONS WHERE ACCESS THROUGH ACOUSTICAL CEILINGS IS NOT AVAILABLE.

2 - COORDINATE AIR DISTRIBUTION DEVICES COLOR WITH PROJECT ARCHITECT AND OWNER.

3 - PROVIDE SQUARE, OVAL OR RECTANGULAR TO ROUND ADAPTOR WHERE REQUIRED.

4 - PROVIDE ALL AIR DISTRIBUTION DEVICES WITH OPPOSED BLADE DAMPERS.

TERMINAL UNIT SCHEDULE

UNIT DESIG.	OCCUPIED MODE CFM MAX.	OCCUPIED MODE CFM MIN.	VAV BOX CATALOGED CFM	INLET SIZE INCHES	HEATING COIL KW	HEATING STAGES	POWER V/PH	TRANE MODEL NO.	NOTES
VAV-1-1	2,500	855	-	14	6	6	208/3	VCEF-14	(1) THRU (6)
VAV-1-2	180	55	-	4	1	1	208/1	VCEF-4	(1) THRU (6)
VAV-1-3	1,215	375	-	10	3	2	208/1	VCEF-10	(1) THRU (6)
VAV-1-4	1,300	390	-	10	4	2	208/1	VCEF-10	(1) THRU (6)
VAV-6-1	470	145	-	6	2	1	208/1	VCEF-6	(1) THRU (6)
VAV-6-2	1,520	475	-	10	5	2	208/3	VCEF-10	(1) THRU (6)
VAV-6-3	650	180	-	8	2	1	208/1	VCEF-8	(1) THRU (6)
VAV-6-4	640	195	-	8	2	1	208/1	VCEF-8	(1) THRU (6)
VAV-6-5	1,300	390	-	10	4	2	208/1	VCEF-10	(1) THRU (6)
VAV-6-6	1,930	400	-	12	5	2	208/3	VCEF-12	(1) THRU (6)
VAV-6-7	200	80	-	6	1	1	208/1	VCEF-6	(1) THRU (6)
VAV-6-8	330	100	-	5	2	1	208/1	VCEF-5	(1) THRU (7)
VAV-6-9	380	115	-	6	1	1	208/1	VCEF-6	(1) THRU (6)
VAV-6-10	930	280	-	10	4	2	208/1	VCEF-10	(1) THRU (6)
VAV-6-11	1,650	495	-	12	4	2	208/1	VCEF-12	(1) THRU (6)
VAV-6-12	380	115	-	5	1	1	208/1	VCEF-5	(1) THRU (6)
VAV-6-13	200	60	-	4	-	-	208/1	VCCF-4	(1) THRU (6)
VAV-6-14	800	240	-	8	-	-	208/1	VCCF-8	(1) THRU (6)
VAV-6-15	800	240	-	8	-	-	208/1	VCCF-8	(1) THRU (6)
VAV-6-16	400	120	-	6	1	1	208/1	VCEF-6	(1) THRU (6)
VAV-6-17	1,290	393	-	10	5	2	208/3	VCEF-10	(1) THRU (6)
VAV-6-18	850	250	-	8	-	-	208/1	VCCF-8	(1) THRU (6)
VAV-6-19	470	175	-	6	1	1	208/1	VCEF-6	(1) THRU (6)
VAV-6-20	400	120	-	6	1	1	208/1	VCEF-6	(1) THRU (6)
VAV-6-21	1,290	390	-	10	5	2	208/3	VCEF-10	(1) THRU (6)
VAV-6-22	1,445	435	-	12	6	6	208/3	VCEF-12	(1) THRU (6)
VAV-6-23	380	115	-	6	2	2	208/1	VCEF-6	(1) THRU (6)
VAV-6-24	515	155	-	8	1	1	208/1	VCEF-8	(1) THRU (6)
VAV-6-25	250	75	-	5	1	1	208/1	VCEF-5	(1) THRU (6)
VAV-6-26	1,315	395	-	12	5	1	208/3	VCEF-12	(1) THRU (6)
VAV-6-27	1,090	330	-	10	4	1	208/1	VCEF-10	(1) THRU (6)
VAV-6-28	320	100	-	5	1	1	208/1	VCEF-5	(1) THRU (6)
VAV-6-29	1,250	375	-	10	5	2	208/3	VCEF-10	(1) THRU (6)
VAV-6-30	400	120	-	6	1	1	208/1	VCEF-6	(1) THRU (6)
VAV-6-31	1,240	375	-	10	-	-	208/1	VCCF-10	(1) THRU (6)
VAV-6-32	780	235	-	8	3	2	208/1	VCEF-8	(1) THRU (6)
VAV-6-33	330	100	-	5	1	1	208/1	VCEF-5	(1) THRU (6)
VAV-6-34	1,150	345	-	10	5	2	208/3	VCEF-10	(1) THRU (6)
VAV-6-35	300	90	-	5	-	-	208/1	VCCF-5	(1) THRU (6)
VAV-6-36	2,310	695	-	14	8	6	208/3	VCEF-14	(1) THRU (6)
VAV-6-37	1,760	530	-	14	5	6	208/3	VCEF-14	(1) THRU (6)
VAV-6-38	200	60	-	5	1	1	208/1	VCCF-5	(1) THRU (6)
VAV-6-39	250	75	-	6	1	1	208/1	VCEF-6	(1) THRU (6)
VAV-6-40	350	115	-	8	-	-	208/1	VCCF-8	(1) THRU (6)

NOTES & ACCESSORIES:

(1) MINIMUM PRESSURE DROP REQUIRED AT VAV BOX INLET = 1"

(2) MAXIMUM VAV BOX N.C. LEVEL WITHOUT ATTENUATION = 30

(3) VAV BOX CONTROLLER SHALL BE CONNECTED TO BUILDING BMS.

(4) PROVIDE VAV BOX FACTORY WIRED, DISCHARGE AIR TEMPERATURE SENSOR, BUILT IN TRANSFORMER, DISCONNECT & POWER FUSE

(5) PROVIDE ZONE TEMPERATURE SENSOR.

(6) PROVIDE EMERGENCY POWER CONNECTION FOR VAV BOX CONTROLS AND HEATERS IF APPLICABLE.

(7) CONSTANT FLOW VAV BOX

(8) FOR ELECTRIC DUCT HEATERS 8KW AND GREATER, PROVIDE MODULATING DEMAND CONTROLLERS (SCR) IN LIEU OF 5KW STAGES

ENCLOSED APPARATUS BAY, SALLY PORT & PARKING AREAS VENTILATION SCHEDULE

ZONE	AREA	MINIMUM VENTILATION AIRFLOW @ 0.05 CFM/SQUARE FEET	MINIMUM VENTILATION AIRFLOW PROVIDED	TOTAL VENTILATION AIRFLOW @ 0.75 CFM/SQUARE FEET	TOTAL VENTILATION AIRFLOW PROVIDED
APPARATUS BAY AT 1ST FLOOR	4,311 SF	216 CFM	600 CFM	3,234 CFM	4,000 CFM
1ST FLOOR PARKING GARAGE RAMP	2,375 SF	120 CFM	500 CFM	1,765 CFM	2,000 CFM
2ND FLOOR PARKING GARAGE	21,035 SF	1,055 CFM	1,200 CFM	15,780 CFM	16,000 CFM
3RD FLOOR PARKING GARAGE	17,450 SF	875 CFM	900 CFM	13,090 CFM	14,000 CFM
SALLY PORT AT 4TH FLOOR	887 SF	45 CFM	100 CFM	666 CFM	700 CFM
4TH FLOOR PARKING GARAGE	22,285 SF	1,115 CFM	1,300 CFM	16,715 CFM	18,000 CFM

NOTES:

PLEASE REFER TO DRAWINGS SERIES M-900 FOR SYSTEM CONTROL AND SEQUENCE OF OPERATION

ENCLOSED PARKING GARAGES:

2023 FBC-MECH 404.1 ENCLOSED PARKING GARAGES.
MECHANICAL VENTILATION SYSTEMS FOR ENCLOSED PARKING GARAGES SHALL OPERATE CONTINUOUSLY OR SHALL BE AUTOMATICALLY OPERATED BY MEANS OF CARBON MONOXIDE DETECTORS APPLIED IN CONJUNCTION WITH NITROGEN DIOXIDE DETECTORS. CARBON MONOXIDE DETECTORS SHALL BE INSTALLED 3 TO 5 FEET ABOVE FLOOR LEVEL AND NITROGEN DIOXIDE DETECTORS SHALL BE INSTALLED 1 FOOT BELOW CEILING LEVEL. SUCH DETECTORS SHALL BE LISTED IN ACCORDANCE WITH UL 2075 AND INSTALLED IN ACCORDANCE WITH THEIR LISTING AND THE MANUFACTURERS ' INSTRUCTIONS. AUTOMATIC OPERATION SHALL CYCLE THE VENTILATION SYSTEM BETWEEN THE FOLLOWING TWO MODES OF OPERATION:

FULL-ON AT AN AIRFLOW RATE OF NOT LESS THAN 0.75 CFM PER SQUARE FOOT OF THE FLOOR AREA SERVED.

STANDBY AT AN AIRFLOW RATE OF NOT LESS THAN 0.05 CFM PER SQUARE FOOT OF THE FLOOR AREA SERVED.

EQUIPMENT & ACCESSORIES EXPOSED TO EXTREME CORROSION ENVIROMENTS (CX) COATING NOTE:

MECHANICAL EQUIPMENT (ROOFTOP UNITS & CONDENSING UNITS AND FANS) EXPOSED TO THE WEATHER CONDITIONS SHALL BE PROTECTED FROM EXTREME CORROSION ENVIROMENTS (CX) WITH MODINE/ ADVANCOAT SYSTEM (954)-237-1808.

1. RTU'S, CU'S AND FANS SHALL BE COATED WITH MODINE TROPICOAT AS APPLIED BY SOUTH FLORIDA MODINE/ ADVANCOAT, INCLUDING ALL COILS, ALL ACCESSIBLE EXPOSED COMPONENTS (COMPRESSORS, PIPING, BASE PAN, BASE RAIL), EXTERIOR CASING, AND EXPOSED PANELS ON BOTH SIDES. ALTERNATIVES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL.
2. THE CONTRACTOR SHALL INCLUDE 2 YEARS OF A MAINTENANCE CLEANING CONTRACT WITH MODINE THAT INCLUDES 4 CLEANINGS PER YEAR FOR RTU'S AND CU'S ON ROOF AND 2 CLEANINGS PER Y

FAN SCHEDULE

UNIT DESIGNATION

	SF-1-1	SF-2-1	EF-1-1 & EF-4-3	EF-1-2	EF-1-3	EF-1-4	EF-1-5	EF-1-6	EF-1-7	EF-1-8	EF-1-9 & EF-1-10	EF-1-11	EF-2-1	EF-4-1	EF-4-2	EF-6-1	EF-6-2	EF-6-3	EF-6-4	EF-6-5	EF-6-6	REF-6-1 & REF-6-2
AREA SERVED	AHU-1-2, AHU-1-3 & AHU-1-4	GENERATOR ROOM 201	35 BATHROOMS AND LARGE EVIDENCE PD401	DECON. ZONE FS123, WORK ROOM FS125	BIO-HAZARD ROOM FS128	CUSTODIAL ROOM FS129	FIRE PUMP ROOM FS004	ADA RR FS101.1	JAN 101, RR103	APPARATUS BAY ROOM FS124	APPARATUS BAY ROOM FS124	RR ADA ROOM 110	GENERATOR ROOM 200	SALLY PORT 4TH FLOOR	SALLY PORT 4TH FLOOR	LOCKERS: MEN'S PD524, WOMEN'S PD525, RR524.1, RR525.1, RR526	BATHROOM 523, RR533, RR534, JAN535	RESTROOMS 506.1, 506.2, 506.3	SMALL EVIDENCES PD506 & TEMP EVIDENCE LOCKERS PD505	ARMORY PD608 BULK STOR. PD607	SERVER ROOM PD641	FIFTH FLOOR
FAN TYPE	IN-LINE CENTRIFUGAL FAN	IN-LINE CENTRIFUGAL FAN	IN-LINE CABINET FAN	IN-LINE CENTRIFUGAL FAN	CEILING FAN	CEILING FAN	IN-LINE CENTRIFUGAL FAN	CEILING FAN	IN-LINE CENTRIFUGAL FAN	IN-LINE FAN	IN-LINE CABINET FAN	CEILING FAN	IN-LINE CABINET FAN	CENTRIFUGAL DOWNBLAST ROOF FAN	CENTRIFUGAL DOWNBLAST ROOF FAN	CENTRIFUGAL DOWNBLAST ROOF FAN	CENTRIFUGAL DOWNBLAST ROOF FAN	CENTRIFUGAL DOWNBLAST ROOF FAN	CENTRIFUGAL DOWNBLAST ROOF FAN	CENTRIFUGAL DOWNBLAST ROOF FAN	CENTRIFUGAL DOWNBLAST ROOF FAN	CENTRIFUGAL DOWNBLAST ROOF FAN
SERVICE	OUTSIDE AIR	COMBUSTION AIR	EXHAUST AIR	EXHAUST AIR	EXHAUST AIR	EXHAUST AIR	EXHAUST AIR	EXHAUST AIR	EXHAUST AIR	EXHAUST AIR	EXHAUST AIR	EXHAUST AIR	EXHAUST AIR	EXHAUST AIR	EXHAUST AIR	EXHAUST AIR	EXHAUST AIR	EXHAUST AIR	PURGE EXHAUST AIR	PURGE EXHAUST AIR	PURGE EXHAUST AIR	RELIEF AIR
TOTAL AIR, CFM	900	2,500	350	1,125	300	200	250	50	250	4,000	300	150	2,200	100	700	525	250	150	900	750	150	1,500
EXTERNAL STATIC PRESS., IN. W.G.	0.375	0.375	0.375	0.3	0.25	0.25	0.25	0.2	0.3	0.4	0.25	0.28	0.25	0.33	0.63	0.4	0.3	0.25	0.25	0.25	0.25	0.6
FAN MOTOR HP (NON-OVERLOAD)	1/4	3/4	135 WATTS	1/2	52 WATTS	25 WATTS	36 WATTS	6 WATTS	50 WATTS	2.0	52 WATTS	20 WATTS	353 WATTS	1/15	1/6	1/6	1/10	1/15	1/6	1/6	1/15	1/2
FAN RPM	1,340	1,016	1,315	1,193	1,152	949	1,040	714	1,100	1,309	1,152	941	851	1,634	1,725	1,357	1,322	1,257	1,593	1,429	1,699	1,500
ELECTRICAL SERVICE	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	208/1/60	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60	208/1/60
FAN DRIVE TYPE	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
SOUND DATA dBA/SONES	51/5.9	60/9.4	-/3	51/5.6	-/1.3	-/0.7	-/0.7	-/0.4	-/1.2	52/6.7	-/1.3	-/0.7	-/2.5	45/4.0	60/10.2	53/6.9	50/5.7	40/2.5	58/9.2	54/7.5	47/4.5	65/13.2
BASIS OF DESIGN MANUFACTURER	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK
BASIS OF DESIGN MANUFACTURER'S MODEL #	SQ-100-VG	SQ-160-VG	CSP-A390	SQ-120-VG	CSP-A390-VG	CSP-A390-VG	CSP-A390-VG	SP-UP081OW	CSP-A390-VG	SQ-150-VG	CSP-A390-VG	CSP-A390-VG	CSP-A330-VG	G-060-VG	G-095-VG	G-095-VG	G-080-VG	G-070-VG	G-095-VG	G-095-VG	G-060-VG	G-120-VG
FAN WEIGHT (LBS)	75	90	35	80	35	35	35	10	35	150	35	32	125	45	55	55	47	40	55	55	45	75
MIAMI DADE COUNTY, FL NOA #	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	#22-0606.03	#22-0606.03	#22-0606.03	#22-0606.03	#22-0606.03	#22-0606.03	#22-0606.03	#22-0606.03	#22-0606.03
ACCESSORIES / NOTES	(1) (2) (5) (6) (E)	(1) (2) (L)	(2) (5) (6) (F)	(1) (2) (5) (G)	(1) (2) (5) (7) (G)	(1) (2) (5) (7) (G)	(1) (2) (5) (D)	(1) (5) (6) (E)	(1) (2) (5) (6) (G)	(1) (2) (C)	(1) (2) (G)	(1) (2) (5) (7) (E)	(1) (2) (D)	(1) (2) (G)	(1) (2) (C)	(1) (2) (H)	(1) (2) (H)	(1) (2) (H)	(1) (2) (K)	(1) (2) (K)	(1) (2) (K)	(1) (2) (I)

FAN SCHEDULE

UNIT DESIGNATION

	CF-1-1 TO CF-1-7	CF-2-1, CF-3-1 & CF-4-1	CMEF-1-1, 2-1, 2-4, 2-7, 3-1, 3-4, 3-7, 4-1, 4-4 & 4-7	CMEF-1-2 & 1-3	CMEF-2-2 TO 2-9, 3-2 TO 3-9 & 4-2 TO 4-9
AREA SERVED	APPARATUS BAY ROOM FS124) & FIRST FLOOR RAMP	PARKING LEVELS 2, 3 AND 4	PARKING LEVELS 2, 3 & 4 CARBON MONOXIDE EXHAUST	PARKING LEVEL 1 CARBON MONOXIDE EXHAUST	PARKING LEVELS 2, 3 & 4 CARBON MONOXIDE EXHAUST
FAN TYPE	AIR CIRCULATOR FAN	AIR CIRCULATOR FAN	INLINE FAN	INLINE FAN	INLINE FAN
SERVICE	AIR CIRCULATION	AIR CIRCULATION	EXHAUST	EXHAUST	EXHAUST
TOTAL AIR, CFM	2,400 - 3,600	2,400 - 3,600	1,000	2,000	3,000
EXTERNAL STATIC PRESS., IN. W.G.	-, -	-, -	0.25	0.25	0.25
FAN MOTOR HP (NON-OVERLOAD)	1/4	1/4	1/2	3/4	3/4
FAN RPM	750 / 1,075	750 / 1,075	1,071	1,500	1,122
ELECTRICAL SERVICE	120/1/60	120/1/60	120/1/60	120/1/60	120/1/60
FAN DRIVE TYPE	DIRECT	DIRECT	DIRECT	DIRECT	DIRECT
SOUND DATA dBA/SONES	74/-	74/-	47/4.5	56/7.4	58/8.2
BASIS OF DESIGN MANUFACTURER	GREENHECK	GREENHECK	GREENHECK	GREENHECK	GREENHECK
BASIS OF DESIGN MANUFACTURER'S MODEL #	MAC-18-339-B4-J1	MAC-18-339-B4-J1	SQ-120-VG	SQ-140-VG	SQ-160-VG
FAN WEIGHT (LBS)	-	-	52	65	90
MIAMI DADE COUNTY, FL NOA #	N/A	N/A	N/A	N/A	N/A
ACCESSORIES / NOTES	(1) (3) & (8) THRU (10)	(1) (3) & (8) THRU (10)	(1) (2) (5) (7) (10)	(1) (2) (5) (7) (10)	(1) (2) (5) (7) (10)

ACCESSORIES

(1) SERVICE DISCONNECT SWITCH
(2) VARI-GREEN EC MOTOR
(3) MOTORS SHALL BE TWO-SPEED, BALL BEARING TYPE.
(4) FILTER BOX WITH ALUMINUM WASHABLE FILTER
(5) BDD (FAN INTEGRATED BACKDRAFT DAMPER)
(6) SOLID STATE SPEED CONTROL AND GRILLE MOUNTED MOTION DETECTOR
(7) PROVIDE OPTIONAL ALUMINUM GRILLE
(8) CEILING MOUNT KIT
(9) 2-SPEED TOGGLE SWITCHES
(10) MATERIALS AND COATING SHALL BE PROVIDING HIGH RESISTANCE TO CORROSION.

NOTES:

(A) IN-HOOD SWITCH
(B) INTERLOCK W/ AHU-1-2, AHU-1-3 & AHU-1-4 & CONTROL FAN SPEED W/ASSOCIATED STATIC PRESSURE SENSOR AT MAKE-UP AIR DUCT.
(C) CONTROLLED BY CO & NO2 SENSORS/PANEL
(D) THERMOSTICALLY CONTROLLED
(E) INTERLOCK WITH LIGHT SWITCH 15 MIN. OF TIME DELAY
(F) INTERLOCK W/ AHU-1-3
(G) RUN CONTINUOSLY
(H) INTERLOCK W/ RTU-1-1, RTU-1-2 AND RTU-1-3
(I) INTERLOCK REF-5-1 & REF-5-2 W/ASSOCIATED STATIC PRESSURE SENSOR AT 5TH FLOOR CEILING
(J) FAN CONTROLLED BY THE BMS.
(K) CONTROLLED BY THE FIRE SUPPRESSION SYSTEM
(6) (L) FAN CONTROLLED BY A SIGNAL FROM THE GENERATOR #1 AND/OR GENERATOR #2 TRANSFER STARTERS CONTROL AND SHUT DOWN BY A 20 MIN. TIME DELAY SWITCH.

GENERAL NOTES:

1. WHEN 2 OR MORE FANS ARE LISTED IN THE SAME COLUMN, DATA SHOWN IS FOR EACH FAN.
2. ALL FANS SHALL BE CONSTRUCTED OF ALUMINUM.
3. ALL FANS EXPOSED TO THE WEATHER SHALL BE CONSTRUCTED OF ALUMINUM. AND COATED WITH HI-PRO POLYESTER, CONCRETE GRAY-RAL 7023, FAN AND ATTACHED ACCESSORIES.
4. ENGRAVE PLASTIC NAME PLATES: PROVIDE ENGRAVED LAMINATED PLASTIC NAME PLATES WITH 1 INCH HIGH LETTERS ON EQUIPMENT
5. IN CONDITIONED SPACES PROVIDE A MOD (MOTOR OPERATED DAMPER) FOR ALL FANS WITH AN AIR VOLUME OF 300 CFM OR LARGER. MOTOR OPERATED DAMPER SHALL BE OF THE SAME VOLTAGE AS THE FAN MOTOR. BDD (BACKDRAFT DAMPER) SHALL BE PROVIDED FOR ALL FANS WITH AN AIR VOLUME LESS THAN 300 CFM UNLESS OTHERSIDE NOTED.

REQUIREMENTS FOR COMMERCIAL KITCHEN HOOD DUCTS

A. DUCTS CONNECTED TO COMMERCIAL KITCHEN HOODS SHALL COMPLY & INSTALLED WITH NFPA 96 AND SECTION 506 FBC/M-2023.
- MATERIAL FOR EXHAUST DUCT: TYPE 304, STAINLESS-STEEL SHEET, NO. 18 GAUGE OR 16 GAUGE BLACK STEEL SHEET.
- PRESSURE CLASS: POSITIVE OR NEGATIVE 2-INCH WG.
- MINIMUM SMACNA SEAL CLASS: WELDED SEAMS, JOINTS, AND PENETRATIONS.
- SMACNA LEAKAGE CLASS: 3.

B. ALL SECTIONS OF THE GREASE EXHAUST DUCT SYSTEM SHALL BE CONSTRUCTED AND INSTALLED WITHOUT FORMING DIPS AND TRAPS. AND SHALL BE SLOPE NOT LESS THAN 1/4 INCH PER FOOT TOWARDS THE HOOD.

C. PROVIDE DUCTWORK TRANSITIONS AS REQUIRED WHEN CONNECTING TO EXHAUST AND SUPPLY COLLARS AT HOOD AS WELL AS WHEN CONNECTING TO HOOD SUPPLY AND EXHAUST FANS.

D. PROVIDE RADIUS ELBOWS AT ALL 45 AND 90 DEGREE TURNS OF EXHAUST DUCTWORK. DO NOT INSTALL TURNING VANES.

E. GREASE EXHAUST DUCTWORK SHALL CONSTRUCTED OF TYPE 304, 18 GAUGE STAINLESS STEEL SHEET WITH CONTINUOUS LIQUID-TIGHT WELDS MADE ON THE EXTERNAL SURFACE OF DUCT SYSTEM (SMACNA LEAKAGE CLASS: 3).

F. DUCTWORK POSITIVE OR NEGATIVE PRESSURE CLASS SHALL BE 2-INCH WG.

G. INSTALL FIRE-RATED CLEAN OUT ASSEMBLIES AT EACH CHANGE IN DIRECTION AT MAXIMUM INTERVALS OF 20 FEET IN HORIZONTAL DUCTS AND VERTICAL DUCTS AT EVERY FLOOR AS INDICATED ON DRAWINGS. CLEAN OUT DUCT OPENING ASSEMBLIES SHALL BE LOCATED ON THE SIDES OF THE DUCT (1 INCHE MINIMUM ABOVE BOTTOM OF DUCT AND 1 INCH MINIMUM BELOW TOP OF DUCT) AND SHALL HAVE MINIMUM DIMENSIONS AS NOTED ON DRAWINGS. THESE OPENINGS SHALL BE EQUIPPED WITH TIGHT-FITTING ACCESS DOORS (AD) CONSTRUCTED OF STEEL HAVING A THICKNESS NOT LESS THAN THAT REQUIRED FOR THE DUCT. DOORS SHALL BE EQUIPPED WITH A SUBSTANTIAL METHOD OF LATCHING SUFFICIENT TO HOLD THE DOOR TIGHTLY CLOSED AND SHALL BE DESIGNED SO THAT THEY ARE OPERABLE WITHOUT THE USE OF A TOOL.

H. THE KITCHEN HOOD EXHAUST FAN SHALL MEET THE REQUIREMENT AN LISTING OF UL 762 AND NFPA 96 FOR GREASE LADEN AIR REMOVAL.

I. GREASE EXHAUST DUCT SHALL WRAPPED WITH 2-HOUR RATED FIRE BARRIER DUCT WRAP TAPE.

J. DO NOT PENETRATE FIRE-RATED ASSEMBLIES EXCEPT AS ALLOWED BY APPLICABLE BUILDING CODES AND AUTHORITIES HAVING JURISDICTION.

K. GREASE DUCT SYSTEMS AND EXHAUST EQUIPMENT SERVING A TYPE I HOOD SHALL HAVE A CLEARANCE TO COMBUSTIBLE CONSTRUCTION OF NOT LESS THAN 18 INCHES, AND SHALL HAVE A CLEARANCE TO NONCOMBUSTIBLE CONSTRUCTION AND GYPSUM WALLBOARD ATTACHED TO NONCOMBUSTIBLE STRUCTURES OF NOT LESS THAN 3 INCHES.

L. KITCHEN HOOD AND ASSOCIATED SUPPLY AND EXHAUST FANS SHALL BE PROVIDED BY KITCHEN EQUIPMENT SUPPLIERS AND INSTALLED BY MECHANICAL CONTRACTOR. REFER TO KITCHEN EQUIPMENT SUPPLIERS DRAWINGS FOR SPECIFICATIONS.

NOTE:

REFER TO KITCHEN DRAWINGS (ADVANCED HOOD SYSTEMS) FOR KITCHEN HOOD MAKE-UP FANS, EXHAUST FANS SCHEDULES, DETAILS AND FANS/CURBS NOA, INSTALLATION DETAILS AND CONTROLS.

KITCHEN AIR BALANCE AIR CALCULATIONS

HOOD	SUPPLY AIR (CFM)	EXHAUST/RETURN AIR (CFM)	TOTAL
H-1	1,000 (KSF-1)	-1,250 (KEF-1)	-250
EF-1-1	-	-50 (FRACTION)	-50
AHU-1-2	265	-	+265
	-	-	-
TRANSFER	-	-	-
TOTAL	1,265	1,300	-35

THE PROJECT AREA HAS BEEN DESIGNED TO BE SLIGHTLY NEGATIVE SINCE THE FOOD SERVING AREA IS OPEN TO THE DINNING AND DAY ROOMS. THIS AIR BALANCE WILL PREVENT FOOD SMELL FROM SPREADING TO ADJACENT AREAS WITHIN THE BUILDING.

KITCHEN HOOD & EQUIPMENT NOTE

HOOD SHALL BE DESIGNED BY A FLORIDA REGISTERED ENGINEER. SUBMIT SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS TO THE ARCHITECT AND BUILDING DEPARTMENT FOR ISSUANCE OF A PERMIT..

EXHAUST FAN INFORMATION - JOB#6773574

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	KEF-1	1	AH-DU8SHFA	ADVANCED HOOD	1250	1.250	1312	ODP	0.750	0.4090	3	208	2.6	396 FPM	95	10.7

MUA FAN INFORMATION - JOB#6773574

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCP	WEIGHT (LBS)	SONES
2	KSF-1	1	AH-A1-15D	15MF-1-MOD	A1	-	1,000	0.500	1313	ODP	0.750	0.3410	3	208	2.5	3.2A	15A	344	12.7

EQUIPMENT & ACCESSORIES EXPOSED TO EXTREME CORROSION ENVIROMENTS (CX) COATING NOTE:

MECHANICAL EQUIPMENT (ROOFTOP UNITS & CONDENSING UNITS AND FANS) EXPOSED TO THE WEATHER CONDITIONS SHALL BE PROTECTED FROM EXTREME CORROSION ENVIROMENTS (CX) WITH MODINE/ ADVANCOAT SYSTEM (954)-237-1808.

1. RTU'S, CU'S AND FANS SHALL BE COATED WITH MODINE TROPICOAT AS APPLIED BY SOUTH FLORIDA MODINE/ ADVANCOAT, INCLUDING ALL COILS, ALL ACCESSIBLE EXPOSED COMPONENTS (COMPRESSORS, PIPING, BASE PAN, BASE RAIL), EXTERIOR CASING, AND EXPOSED PANELS ON BOTH SIDES. ALTERNATIVES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL..
2. THE CONTRACTOR SHALL INCLUDE 2 YEARS OF A MAINTENANCE CLEANING CONTRACT WITH MODINE THAT INCLUDES 4 CLEANINGS PER YEAR FOR RTU'S AND CU'S ON ROOF AND 2 CLEANINGS PER YEAR FOR CU'S INSIDE GARAGE. CLEANING CONTRACT SHALL BE EXTENDED DURING THE EQUIPMENT LIFE CYCLE BY CITY OF NORTH BAY VILLAGE.

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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MARIO H. GUTIERREZ LICENSE No.19687 STATE OF FLORIDA PROFESSIONAL ENGINEER

MARIO H. GUTIERREZ, PE.
MECHANICAL ENGINEER
FL. REG. NO. 19687
This item has been digitally signed & sealed by Mario H. Gutierrez, PE. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

10/27/2025 3:20:10 PM

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79TH CAUSEWAY
NORTH BAY VILLAGE, FL 33141

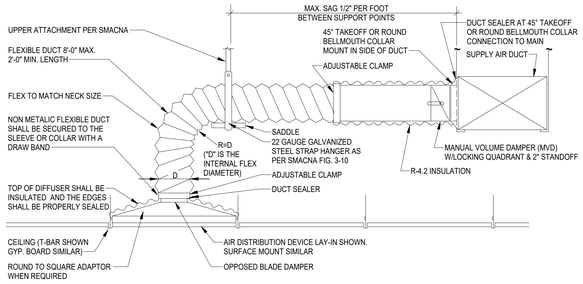
Project Number
WJ 2312

DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE
4	Plan Review	06/30/25
6	Revision 6	10/27/25

SCHEDULES

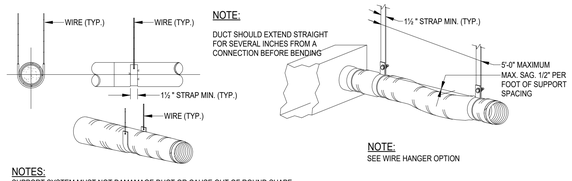
M502



NOTES:

1. FLEXIBLE DUCTS SHALL BE ONE PIECE AND SHALL NOT BE SPLICED TOGETHER.
2. EXTEND FLEXIBLE DUCT INSULATION TO DUCT/DIFFUSER PANEL INSULATION AND SEAL WITH MASTIC.

1 FLEXIBLE DUCT TAKE-OFF CONNECTION DETAIL
SCALE: NTS



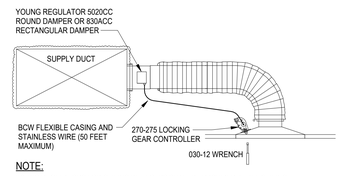
NOTES:
SUPPORT SYSTEM MUST NOT DAMAMAGE DUCT OR CAUSE OUT OF ROUND SHAPE CLOSER MAXIMUM INTERVALS MAY BE SPECIFIED AS A CONDITION OF U.L. LISTING, PARTICULARLY IN FIRE RATED FLOOR - CEILING ASSEMBLIES.

SMACNA HVAC DUCT CONSTRUCTION STANDARDS METAL AND FLEXIBLE - SECOND EDITION

NOTE:
DUCT SHOULD EXTEND STRAIGHT FOR SEVERAL INCHES FROM A CONNECTION BEFORE BENDING

NOTE:
SEE WIRE HANGER OPTION

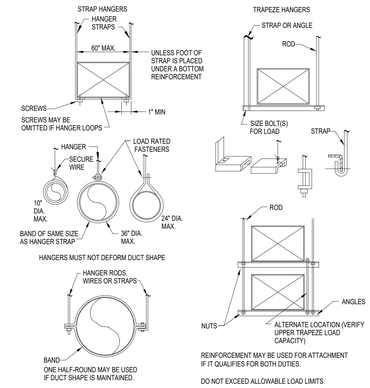
2 FLEXIBLE DUCT SUPPORT DETAIL
SCALE: NTS



NOTE:
YOUNG REGULATORS FOR CEILING DIFFUSERS SHALL BE PROVIDED AT ALL CEILING DIFFUSERS LOCATED IN NON ACOUSTICAL TILE CEILINGS AND/OR IN ALL OTHER LOCATIONS WHERE ACCESS THROUGH ACOUSTICAL CEILINGS IS NOT AVAILABLE.

TYPICAL INSTALLATION OF YOUNG REGULATORS AT NON ACCESSIBLE CEILINGS

3 YOUNG REGULATORS INSTALLATION AT CEILINGS No.1
SCALE: NTS



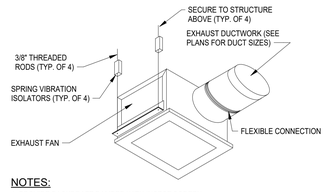
REINFORCEMENT MAY BE USED FOR ATTACHMENT IF IT QUALIFIES FOR BOTH DUTIES.

DO NOT EXCEED ALLOWABLE LOAD LIMITS.

LOWER ATTACHMENT
SMACNA FIG. 4-4

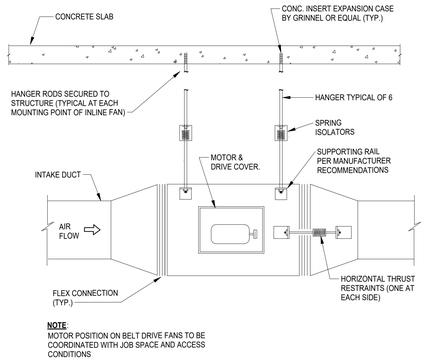
CONSTRUCTION AND INSTALLATION SHALL BE AS PER SMACNA STANDARD FOR TYPE OF DUCTWORK NSTALLED IN FACILITY.

4 TYPICAL LOWER HANGER ATTACHMENTS
SCALE: NTS



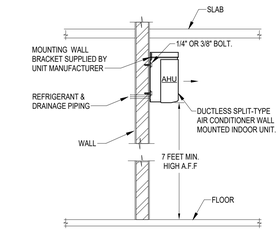
NOTES:
1. PROVIDE BACKDRAFT DAMPER WITH INSECT SCREEN AT WALL CAP.
2. FLASH & SEAL WALL OPENING.
3. PROVIDE INTERNAL ISOLATOR AND SOUND INSULATION.

5 CEILING FAN DETAIL No.2
SCALE: NTS

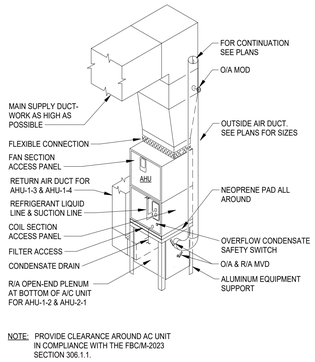


NOTE:
MOTOR POSITION ON BELT DRIVE FANS TO BE COORDINATED WITH JOB SPACE AND ACCESS CONDITIONS

6 IN-LINE EXHAUST FAN DETAIL
SCALE: NTS

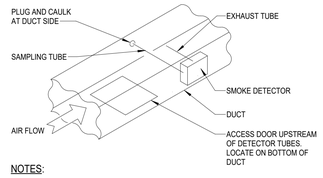


7 WALL MOUNTED DUCTLESS INDOOR UNIT
SCALE: NTS



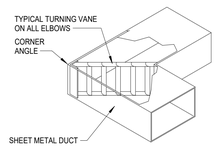
NOTE: PROVIDE CLEARANCE AROUND AC UNIT IN COMPLIANCE WITH THE FBC/M-2023 SECTION 306.1.1.

8 TYPICAL AHU MOUNTING DETAIL
SCALE: NTS

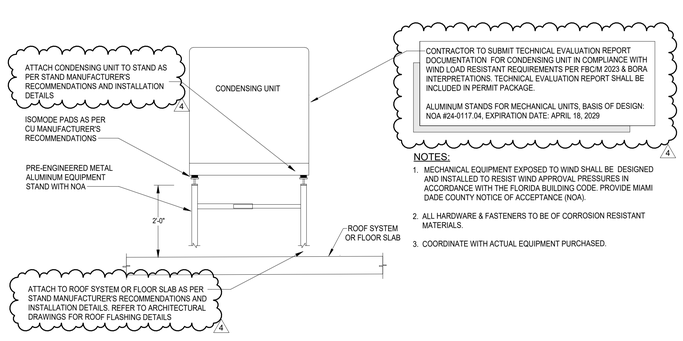


NOTES:
1. SAMPLING TUBE SHALL EXTEND ACROSS THE FULL WIDTH OF THE DUCT.
2. LOCATE AND INSTALL PER MANUFACTURER'S INSTRUCTIONS.
3. COMPLY WITH DISTANCE REQUIREMENTS FROM DUCT FITTINGS

9 DUCT MOUNTED SMOKE DETECTOR
SCALE: NTS

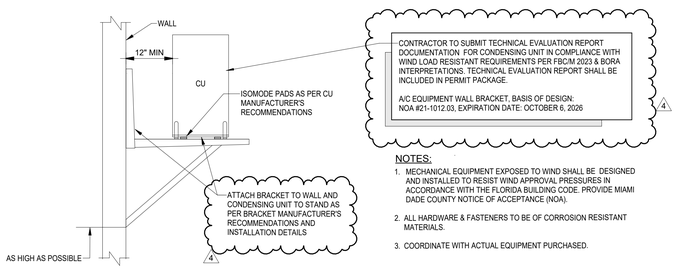


10 ELBOW TURNING VANES DETAIL
SCALE: NTS



NOTES:
1. MECHANICAL EQUIPMENT EXPOSED TO WIND SHALL BE DESIGNED AND INSTALLED TO RESIST WIND APPROVAL PRESSURES IN ACCORDANCE WITH THE FLORIDA BUILDING CODE. PROVIDE MIAMI DADE COUNTY NOTICE OF ACCEPTANCE (NOA).
2. ALL HARDWARE & FASTENERS TO BE OF CORROSION RESISTANT MATERIALS.
3. COORDINATE WITH ACTUAL EQUIPMENT PURCHASED.

11 CONDENSING UNIT INSTALLATION DETAIL AT SLAB AND ROOF
SCALE: NTS



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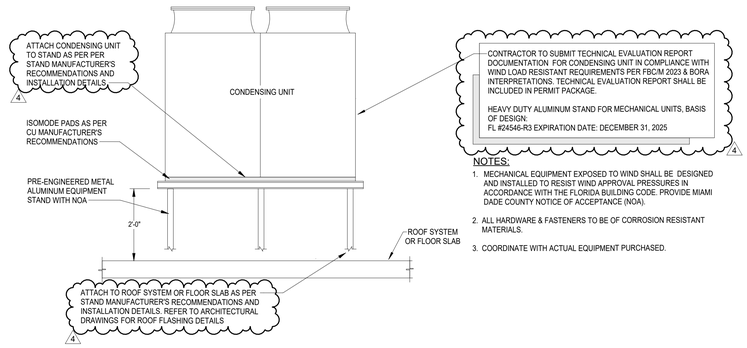
2. ALL HARDWARE & FASTENERS TO BE OF CORROSION RESISTANT MATERIALS.
3. COORDINATE WITH ACTUAL EQUIPMENT PURCHASED.

12 CONDENSING UNIT INSTALLATION DETAIL AT WALL BRACKET
SCALE: NTS



NOTES:
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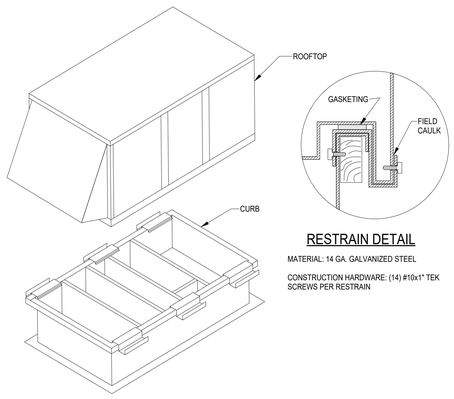
2. ALL HARDWARE & FASTENERS TO BE OF CORROSION RESISTANT MATERIALS.
3. COORDINATE WITH ACTUAL EQUIPMENT PURCHASED.

13 CONDENSING UNIT INSTALLATION DETAIL AT ROOF
SCALE: NTS

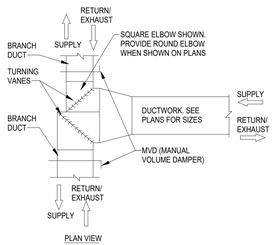


RESTRAIN DETAIL

MATERIAL: 14 GA. GALVANIZED STEEL

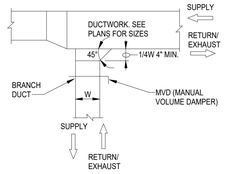
CONSTRUCTION HARDWARE: (14) #10x1" TEK SCREWS PER RESTRAIN

14 TYPICAL HURRICANE RESTRAIN DETAIL
SCALE: NTS



NOTES:
1. TYPICAL LOCATION OF MANUAL VOLUME DAMPERS FOR ALL CONSTANT VOLUME SYSTEMS DUCTWORK THROUGHOUT AND FOR DUCTWORK DOWNSTREAM OF VAV BOXES IN VARIABLE VOLUME SYSTEMS.
2. MANUAL VOLUME DAMPERS UPSTREAM OF VAV BOXES IN VARIABLE VOLUME SYSTEMS ARE NOT REQUIRED.

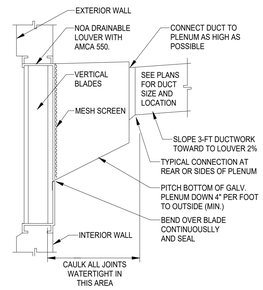
15 TYPICAL SPLIT TYPE DUCT TAKE-OFF DETAIL
SCALE: NTS



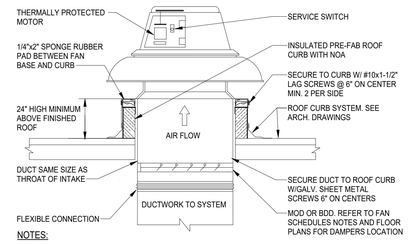
PLAN VIEW

NOTES:
1. TYPICAL LOCATION OF MANUAL VOLUME DAMPERS FOR ALL CONSTANT VOLUME SYSTEMS DUCTWORK THROUGHOUT AND FOR DUCTWORK DOWNSTREAM OF VAV BOXES IN VARIABLE VOLUME SYSTEMS.
2. MANUAL VOLUME DAMPERS UPSTREAM OF VAV BOXES IN VARIABLE VOLUME SYSTEMS ARE NOT REQUIRED.

16 TYPICAL BRANCH DUCT TAKE-OFF DETAIL
SCALE: NTS



17 DUCT CONNECTION TO WEATHERPROOF LOUVER
SCALE: NTS



NOTES:
1. MECHANICAL EQUIPMENT EXPOSED TO WIND SHALL BE DESIGNED AND INSTALLED TO RESIST WIND PRESSURES IN ACCORDANCE WITH THE FLORIDA BUILDING CODE OR PROVIDE MIAMI DADE COUNTY NOTICE OF ACCEPTANCE (NOA) OR STATE OF FLORIDA PRODUCT APPROVAL FOR FAN AND ROOF CURB.
2. FOR ROOF CURB AND FLASHING DETAILS SEE ARCHITECTURAL DRAWINGS.
3. ALL HARDWARE TO BE GALVANIZED FORGED STEEL ASTM-A-325.
4. PROVIDE ROOF CURB WITH 24" MIN. TO ROOF FINISH.

NOTE:
IN CONDITIONED SPACES PROVIDE A MOD (MOTOR OPERATED DAMPERS) FOR ALL FANS WITH AN AIR VOLUME OF 300 CFM OR LARGER. MOTOR OPERATED DAMPER SHALL BE OF THE SAME VOLTAGE AS THE FAN MOTOR. BDD (BACKDRAFT DAMPER) SHALL BE PROVIDED FOR ALL FANS WITH AN AIR VOLUME LESS THAN 300 CFM.

18 EXHAUST FAN MOUNTING DETAIL
SCALE: NTS

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AA002416 EB 002354

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MARIO H. GUTIERREZ, PE.
MECHANICAL ENGINEER
FL. REG. NO. 19687
This item has been digitally signed & sealed by Mario H. Gutierrez, PE. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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1335 75TH CAUSEWAY
NORTH BAY VILLAGE, FL 33141

10/27/2025 3:20:14 PM

Project Number
WJ 2312

DISTRIBUTION

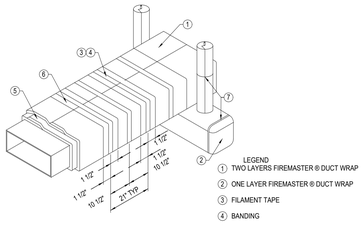
08/01/2024

REV	DESCRIPTION	DATE
1	Plan Review	
4	Plan Review	06/30/25

DETAILS

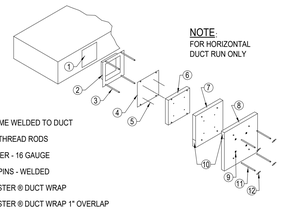
M801

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



LEGEND
1. TWO LAYERS FIREMASTER ® DUCT WRAP
2. ONE LAYER FIREMASTER ® DUCT WRAP
3. FILAMENT TAPE
4. BANDING
5. 3" PERIMETER OVERLAP
6. 3" LONGITUDINAL OVERLAP
7. SS WIRES TIES, OR 1/2" HOSE CLAMP

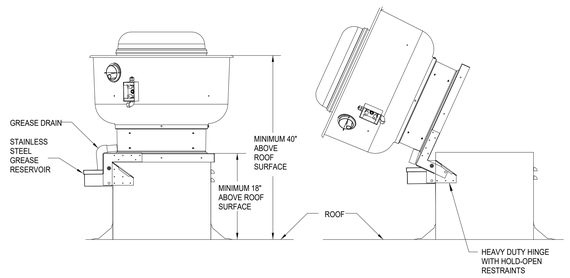
1 3M FIREMASTER DUCT WRAP DETAIL
SCALE: NTS



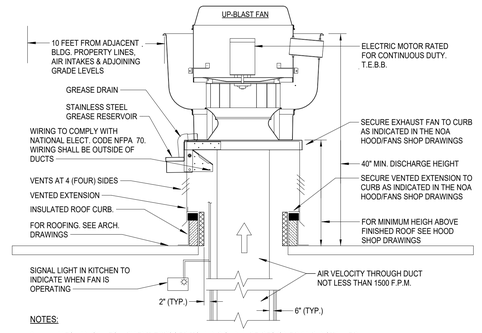
NOTE:
FOR HORIZONTAL DUCT RUN ONLY

LEGEND
1. DOOR HOLE
2. ACCESS FRAME WELDED TO DUCT
3. 1/4" DIA. ALL THREAD RODS
4. ACCESS COVER - 16 GAUGE
5. INSULATION PINS - WELDED
6. ONE FIREMASTER ® DUCT WRAP
7. ONE FIREMASTER ® DUCT WRAP 1" OVERLAP
8. ONE FIREMASTER ® DUCT WRAP 1" OVERLAP
9. SPEED CLIPS
10. ALUMINUM TAPE AT EDGES
11. SPOOL PIECES FOR THREADED RODS
12. 1/4" DIA. WING NUTS

2 GREASE DUCT ACCESS DOOR DETAIL
SCALE: NTS



3 KITCHEN HOOD EXHAUST FAN DETAIL
SCALE: NTS



NOTES:
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2. FOR ROOF CURB AND FLASHING DETAILS SEE ARCHITECTURAL DRAWINGS.
3. ALL FAN ATTACHMENT TO ROOF HARDWARE SHALL BE GALV. OR CADMIUM PLATED FORGED STEEL ASTM-A-325.
4. COORDINATE ALL ROOF PENETRATIONS WITH STRUCTURAL DRAWINGS.

4 RANGE HOOD EXHAUST FAN DETAIL
SCALE: NTS

FAN SCHEDULE								
FAN TYPE	ID#	AIRFLOW (CFM)	RPM	STATIC PRESSURE (IN - WC)	VOLTS / PHASE	HP	BREAKER	WIRE
MAGNEGRIP	CF361-5	3300	3450	6 SP	208-230v 1ph	5	40 AMP	#8THHN

VEHICLE EXHAUST SYSTEM			
DESCRIPTION	PART #	QTY	REMARKS
CONTROL PANEL	500178-08	1	
RAIN CAP	500157-12	1	
SUCTION RAIL	SSRM-842	2	2 HOSE DROPS EACH
TOTAL # OF HOSE DROPS:		4	CFM PER HOSE DROP: 600 CFM

REMARKS:
A. ITEM HAS BEEN SPECIFIED FOR QUALITY AND PERFORMANCE ANY APPROVED SUBSTITUTION IS AT THE RISK OF THE OWNER.

B. PROVIDE TRACK OR RAIL SYSTEM, TRANSITION ELBOW, HIGH TEMPERATURE HOSE, HOSE CLAMPS, NOZZLES, TAILPIPE CONNECTORS, FRESH AIR INTAKE, AND OTHER ITEMS REQUIRED FOR A COMPLETE INSTALLATION.

C. PROVIDE WIRELESS CONTROL PANEL ACTIVATION, PRESSURE SENSORS,WIRELESS TRANSMITTERS, AND ADDITIONAL COMPONENTS IF REQUIRED FOR AUTOMATIC FAN CONTROL.

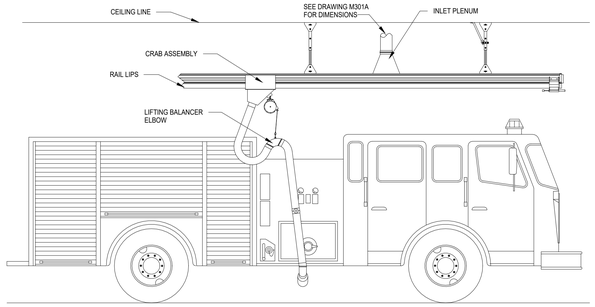
D. VEHICLE EXHAUST SYSTEM DESIGN IS THE SOLE PROPERTY OF THE DESIGNERS, MAGNEGRIP.

E. DETAILS MAY NOT REPRESENT THE SAME KIND OF VEHICLE IN PLAN VIEW.

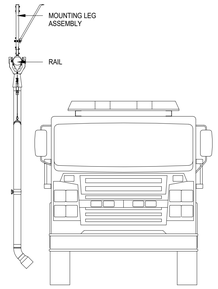
F. DETAILS ARE MEANT TO ILLUSTRATE "TYPICAL" ELEVATION VIEWS.

GENERAL CONSTRUCTION NOTES :

1. FOR THE PURPOSE OF CLEARNESS AND LEGIBILITY DRAWINGS ARE DIAGRAMMATIC AND DESIGN INTENT ONLY. CONTRACTOR SHALL VERIFY ALL DIMENSIONS BY FIELD MEASUREMENT BEFORE BEGINNING ANY FABRICATION OR CONSTRUCTION.
2. ALL WORK SHALL BE IN ACCORDANCE WITH ALL APPLICABLE FEDERAL, STATE AND LOCAL CODES.
3. ALL NEW MATERIAL METHODS, AND EQUIPMENT SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE BUILDING STANDARDS AS APPROVED.
4. CONTRACTOR SHALL INSTALL ALL EQUIPMENT N STRICT ACCORDANCE WITH MANUFACTURES' RECOMMENDATIONS.
5. CONTRACTOR SHALL COORDINATE EXACT LOCATION OF EXHAUST FANS, DUCTWORK, AND EXHAUST DROPS WITH EXISTING IN-PLACE CITY FIRE DEPARTMENTS EQUIPMENT, LIGHTING, AND ALL EXISTING CONDITIONS.
6. ALL EXHAUST DUCTWORK SHALL BE SPIRAL SEAM GALVANIZED STEEL FABRICATED AND INSTALLED IN ACCORDANCE WITH CHAPTER 6 OBBC MC AND SMACNA STANDARD MANUAL.
7. SHEETMETAL DUCT DIMENSIONS SHOWN ARE INSIDE DIMENSIONS.
8. BALANCE EXHAUST SYSTEM AND EACH EXHAUST DROP MEET AIR QUANTITIES AS REQUIRED.
9. CONTRACTOR SHALL COORDINATE WITH CITY FIRE DEPARTMENT PRIOR TO ANY PENETRATION.

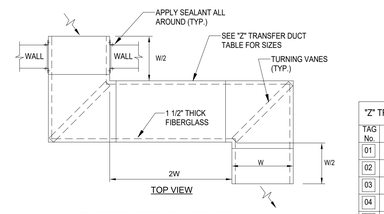


STRAIGHT SUCTION RAIL
SIDE ELEVATION

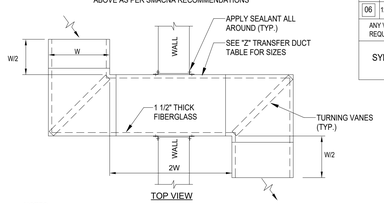


STRAIGHT SUCTION RAIL
FRONT ELEVATION

5 MAGNEGRIP STRAIGHT SUCTION RAIL SYSTEM
SCALE: NTS



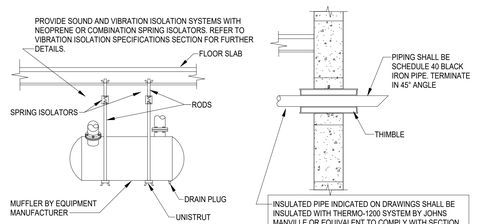
NOTE: SUPPORT DUCTWORK FROM STRUCTURE ABOVE AS PER SMACNA RECOMMENDATIONS



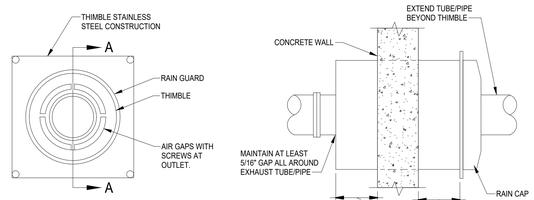
NOTES:
1- THIS DETAIL APPLIES ONLY TO TRANSFER DUCTS IN SOUND ATTENUATED PARTITIONS.
2- COORDINATE FINAL LOCATION OF ALL "Z" TRANSFER DUCTS W/PROJECT ARCHITECT AND OWNER.

"Z" TRANSFER DUCT TABLE			
TAG No.	CFM RANGE	CFM X 1.5	DUCT SIZE
01	0-150	225	10x6
02	151-300	450	12x8
03	301-600	900	16x10
04	601-900	1350	20x12
05	901-1250	1875	26x12
06	1251-1550	2325	26x14
ANY VOLUME HIGHER THAN 1550 CFM WILL REQUIRE TWO TRANSFERS			
SYMBOL			00

6 "Z" TRANSFER DUCT TABLE AND DETAIL
SCALE: NTS



TYPICAL INSTALLATION



NOTE:
GENERATOR EXHAUST PIPE DIAMETER SHALL BE SIZE PER MANUFACTURER RECOMMENDATIONS INCLUDING MUFFLER PRESSURE DROP, PIPE LENGTH AND ELBOWS.

SECTION A-A
N.T.S.

7 GENERATOR EXHAUST PIPE, MUFFLER AND THIMBLE DETAIL
SCALE: NTS

THE ARCHITECT'S COMMON LAW COPYRIGHT AND OTHER PROPERTY RIGHTS IN THE INSTRUMENTS, IN THE IDEAS, DESIGNS, PLANS, DRAWINGS, AND SPECIFICATIONS, AND IN THE ARRANGEMENTS OF THE SPACES AND FORMS COVERED BY OR EXPRESSED IN THESE IDEAS, DESIGNS, PLANS, DRAWINGS, AND SPECIFICATIONS, ARE AND SHALL REMAIN THE PROPERTY OF THE ARCHITECT. ALL SUCH INSTRUMENTS ARE TO BE USED ONLY WITH RESPECT TO THE PROJECT AND SHALL NOT BE USED IN WHOLE OR IN PART FOR ANY OTHER PROJECT WITHOUT THE EXPRESS WRITTEN PERMISSION OF THE ARCHITECT. ANY REPRODUCTION OF THESE INSTRUMENTS OR THEIR CONCEPTS WITHOUT SUCH PERMISSION, INCLUDING BUT NOT LIMITED TO GOVERNMENTAL AGENCIES TO WHOM SUCH INSTRUMENTS ARE SUBMITTED, IS PROHIBITED. THE ARCHITECT RESERVES ALL OF THE FOREGOING RIGHTS AND REMEDIES AT LAW AND IN EQUITY. THE PLANS AND SPECIFICATIONS FOR THIS PROJECT ARE DESIGNED TO COMPLY WITH THE FLORIDA BUILDING CODE AND ALL APPLICABLE LOCAL AMENDMENTS THERETO. THE ARCHITECT DOES NOT WARRANT OR REPRESENT THAT THE PLANS AND SPECIFICATIONS COMPLY WITH ANY OTHER LOCAL, STATE OR FEDERAL CODES, RULES OR REGULATIONS APPLICABLE TO THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING THE PROJECT IN COMPLIANCE WITH THE FLORIDA BUILDING CODE AND ALL APPLICABLE LOCAL AMENDMENTS THERETO. THE CONTRACTOR IS RESPONSIBLE FOR CONSTRUCTING THE PROJECT IN COMPLIANCE WITH THE STATE STATUTES.

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MARIO H. GUTIERREZ, PE.
MECHANICAL ENGINEER
FL. REG. NO. 19687
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CLIENT: NORTH BAY VILLAGE
1335 79TH CAUSEWAY
NORTH BAY VILLAGE, FL 33141
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Project Number
WJ 2312
DISTRIBUTION
08/01/2024

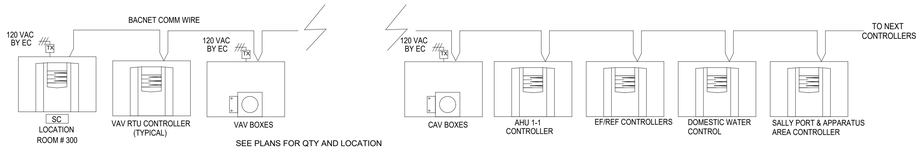
REV	DESCRIPTION	DATE

DETAILS

M802

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

NETWORK



SEE PLANS FOR QTY AND LOCATION

GENERAL NOTES:
-SC SYSTEM CONTROLLER SHALL BE WEB-ENABLED. SC IP ADDRESS BY OTHERS.
-CONTROLLERS COULD BE CONNECTED USING A WIRED NETWORK.
-SPACE SENSORS LOCATED AS PER PLANS.
-VAV MANUFACTURER TO PROVIDE FACTORY MOUNTING AND WIRING OF DDC VAV BOX CONTROLLER
-DIV.16 ELECTRICAL CONTRACTOR TO PROVIDE 120/277 VAC POWER TO ALL VAV BOXES AND FIELD CONTROLLERS
-MOTORIZED DAMPERS BY OTHERS. CONTROL DAMPER ACTUATORS BY CONTROL CONTRACTOR
-BAS SHALL MONITOR THE SPACE AIR TEMPERATURE FOR ROOM FS100, 300 & PD401. AN ALARM SHALL GENERATED IF THE SPACE AIR TEMPERATURE IS HIGHER THAN ITS SETPOINT (75°F (ADJ.)) FOR A PERIOD OF TIME (15 MIN (ADJ)).
-CONNECT LIGTHING CONTROLS TO BMS.

BASIS OF DESIGN TRANE (954) 499-6900 CSI 15563.07

ADDITIONAL SCOPE:
AFTER PROJECT IS COMPLETED AND COMMISSIONED, DURING THE FIRST YEAR OF WARRANTY, CONTROL CONTRACTOR
SHALL PROVIDE AT MINIMUM:
4 HRS OF TRAINING
ADDITIONAL 4 HRS OF REMOTE VERIFICATION AND ADDRESS ANY ISSUES FOUND
1 ADDITIONAL REMOTE INSPECTION TO REVIEW SITE AND ADDRESS ANY ISSUES FOUND
1 SITE VISIT BY A CERTIFIED TECHNICIAN FOR UPGRADES AND SYSTEM VERIFICATION

VAV RTU AND AHU CONTROL

4

RTUS 5-1, 5-2, 6-1, 6-2, 6-3 AND AHU 1-1 CONTROLLER SHALL FOLLOW THE FOLLOWING SEQUENCE OF OPERATION

BUILDING AUTOMATION SYSTEM INTERFACE:THE CONTROL SYSTEM SHALL SEND THE CONTROLLER OCCUPIED / UNOCCUPIED MODES. IF COMMUNICATION IS LOST WITH THE CONTROL SYSTEM THE CONTROLLER SHALL OPERATE USING DEFAULT MODES AND SETPOINTS.

OCCUPIED MODE: SUPPLY FAN SHALL RUN CONTINUOUSLY, O/A, S/A AND R/A DAMPER SHALL OPEN, COOLING COIL SHALL STAGE TO MAINTAIN DISCHARGE AIR TEMPERATURE SETPOINT, AND SUPPLY FAN VFD SHALL MODULATE TO MAINTAIN S/A STATIC PRESSURE SETPOINT. O/A DAMPER WILL OPEN.

UNOCCUPIED OR SERVICE MODE: UNIT SHALL BE OFF AND O/A S/A AND R/A DAMPER SHALL CLOSE.

SUPPLY AIR TEMPERATURE:THE UNIT CONTROLLER SHALL USE THE DISCHARGE AIR TEMPERATURE SENSOR AND DISCHARGE AIR TEMPERATURE COOLING SETPOINT (55°F ADJ) TO DETERMINE WHEN TO INITIATE REQUESTS FOR COOLING. DISCHARGE AIR SETPOINT SHALL BE MAINTAINED BY MODULATING / STAGING THE DX COOLING AS REQUIRED TO MAINTAIN THE DISCHARGE AIR SETPOINT.

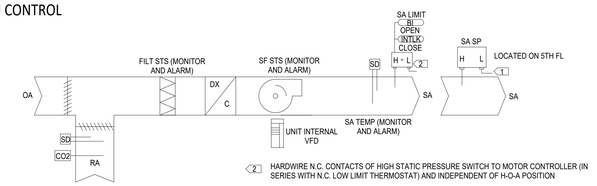
SUPPLY FAN: DURING OCCUPIED MODE,THE SUPPLY FAN SHALL RUN CONTINUOUSLY. A DIFFERENTIAL PRESSURE SWITCH SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FAN. IF THE SWITCH DOES NOT OPEN WITHIN 40 SECONDS AFTER A REQUEST FOR FAN OPERATION A FAN FAILURE ALARM SHALL BE ANNUNCIATED AT THE BAS, THE UNIT SHALL STOP, REQUIRING A MANUAL RESET.

SUPPLY DUCT STATIC PRESSURE CONTROL:THE UNIT CONTROLLER SHALL MODULATE THE OUTPUT TO THE VFD AS REQUIRED TO MAINTAIN THE DUCT STATIC PRESSURE SETPOINT OF 1.3 INCHES OF W.C. (ADJ.). IF THE DUCT STATIC PRESSURE FALLS BELOW 1.25 INCHES OF W.C. (ADJ.) THE UNIT CONTROLLER SHALL INCREASE THE OUTPUT TO THE VFD TO MAINTAIN SETPOINT. IF THE DUCT STATIC PRESSURE RISES ABOVE 1.5 INCHES OF W.C. (ADJ.) THE UNIT CONTROLLER SHALL DECREASE THE OUTPUT TO THE VFD TO MAINTAIN SETPOINT. THE SUPPLY DUCT STATIC PRESSURE SENSOR SHALL ALSO ACT AS A HIGH DUCT STATIC PRESSURE SAFETY AND SHALL SHUT DOWN THE UNIT IN THE EVENT THAT THE DUCT STATIC PRESSURE REACHES 2.00 INCHES OF W.C. (ADJ.). A RESET SHALL BE REQUIRED TO RESET THE UNIT.

FILTER STATUS: A DIFFERENTIAL PRESSURE SWITCH SHALL MONITOR THE DIFFERENTIAL PRESSURE ACROSS THE FILTER WHEN THE FAN IS RUNNING. IF THE SWITCH CLOSES FOR 2 MINUTES AFTER A REQUEST FOR FAN OPERATION A DIRTY FILTER ALARM SHALL BE ANNUNCIATED.

DEMAND CONTROL VENTILATION: WHEN IN THE OCCUPIED MODE, THE CONTROLLER SHALL MODULATE THE OA DAMPER TO MAINTAIN THE CURRENT OUTDOOR AIRFLOW AT SETPOINT. THE BAS SHALL RESET THIS OUTDOOR AIRFLOW SETPOINT BASED ON THE CURRENT VENTILATION NEEDS OF THE SPACES (CO2 CONCENTRATION).
CO2 CONTROL: THE SYSTEM SHALL MONITOR THE SPACE AIR CO2 CONCENTRATION LEVEL (ON UNITS RETURN AIR DUCT, CHAMBER, MEETING ROOMS AND BREAK ROM) AND USE IT AS REQUIRED FOR IAQ CONTROL. AN ALARM SHALL BE SENT TO THE BAS WHEN THE SPACE AIR CO2 CONCENTRATION LEVEL IS HIGHER THAN SETPOINT (750 PPM (ADJ.))

WHEN IN OCCUPIED MODE THE RTU UNIT LOAD IS LESS THAN 25% BMS WILL DISABLE ONE (OR TWO)THE UNITS BY PRE STABLISHED SCHEDULE AND ASSOCIATED O/A, S/A AND R/A DAMPER SHALL CLOSE.



2 HARDWIRE N.C. CONTACTS OF HIGH STATIC PRESSURE SWITCH TO MOTOR CONTROLLER (IN SERIES WITH N.C. LOW LIMIT THERMOSTAT) AND INDEPENDENT OF H-O-A POSITION

THE UNIT SHALL BE CONTROLLED THROUGH ITS OWN DEDICATED CONTROL PANEL. RTU SHALL BE SELECTED WITH O/A COMPENSATION SEQUENCE OF OPERATIONS.

ALL THREE RTUs SHALL RUN DURING OCCUPIED MODE AND SHALL BE OFF DURING UNOCCUPIED MODE. IF ALL RTUs VFD SPEED ARE AT MINIMUM ALLOWED (30% ADJ.) AND THE SUPPLY AIR STATIC PRESSURE IS HIGHER THAN ITS SETPOINT FOR A PERIOD OF TIME (5 MIN (ADJ.). THE BAS SHALL COMMAND OFF ONE OF THE RTUs.

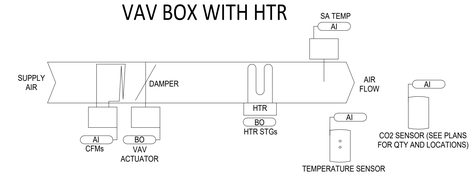
DURING POWER FAILURE WITH GENERATOR PROVIDING STANDBY POWER, RTUs SHALL RUN DURING OCCUPIED MODE.

THE BAS SYSTEM SHALL MONITOR THE FOLLOWING POINTS ON THE UNIT:
1. SUPPLY FAN RUN STATUS
2. SUPPLY AIR TEMPERATURE.
3. FILTER STATUS.
4. O/A, S/A AND R/A DAMPER STATUS
5. CO2 CONCENTRATION

THE CONTROL SYSTEM SHALL SEND AN ALARM WHEN:
- SUPPLY FAN: FAILURE.
- HIGH/LOW SUPPLY AIR TEMP.
- FILTER DIRTY.
- DAMPER MALFUNTION.

MANUFACTURER'S FIELD INSTALLED DEVICES INSTALLED BY CONTROL CONTRACTOR. CONTROL OF UNIT DURING EMERGENCY MODE BY DIV.16

VAV BOX WITH HTR



VAV BOXES WITH HTR SEQUENCE OF OPERATIONS (SEE PLANS FOR QUANTITIES AND LOCATIONS)

BUILDING AUTOMATION SYSTEM INTERFACE: THE BUILDING AUTOMATION SYSTEM (BAS) SHALL SEND THE CONTROLLER OCCUPIED AND UNOCCUPIED COMMANDS. THE BAS MAY ALSO SEND A SHALL ALSO SEND SPACE TEMPERATURE SETPOINT. IF COMMUNICATION IS LOST WITH THE BAS, THE VAV CONTROLLER SHALL OPERATE USING ITS LOCAL SETPOINTS.

OCCUPANCY MODE: THE OCCUPANCY MODE SHALL BE COMMUNICATED TO THE VAV CONTROLLER. VALID OCCUPANCY MODES FOR THE VAV SHALL BE:OCCUPIED: NORMAL OPERATING MODE FOR OCCUPIED SPACES . WHEN THE UNIT IS IN THE OCCUPIED MODE THE VAV SHALL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE OCCUPIED HEATING OR COOLING SETPOINT. APPLICABLE VENTILATION AND AIRFLOW SETPOINTS SHALL BE ENFORCED. THE OCCUPIED MODE SHALL BE THE DEFAULT MODE OF THE VAV.UNOCCUPIED: NORMAL OPERATING MODE FOR UNOCCUPIED SPACES . WHEN THE UNIT IS IN UNOCCUPIED MODE THE VAV CONTROLLER SHALL CLOSE TO ITS MINIMUM POSITION ALLOWED (30% (ADJ.))

HEAT/COOL MODE: THE HEAT/COOL MODE SHALL BE SET AUTOMATICALLY BY THE VAV CONTROLLER.
HEAT/COOL SETPOINT:THE SPACE TEMPERATURE SETPOINT SHALL BE DETERMINED EITHER BY THE VAV DEFAULT SETPOINT OR A COMMUNICATED VALUE. THE VAV SHALL USE THE LOCALLY STORED DEFAULT SETPOINTS WHEN NEITHER A LOCAL SETPOINT NOR COMMUNICATED SETPOINT IS PRESENT. IF BOTH A LOCAL SETPOINT AND COMMUNICATED SETPOINT EXIST, THE VAV SHALL USE THE COMMUNICATED VALUE.

COOLING MODE: WHEN THE UNIT IS IN COOLING MODE, THE VAV CONTROLLER SHALL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE COOLING SETPOINT (75°F ADJ) BY MODULATING THE AIRFLOW BETWEEN THE ACTIVE COOLING MINIMUM AIRFLOW SETPOINT TO THE MAXIMUM COOLING AIRFLOW SETPOINT. THE VAV SHALL USE THE MEASURED SPACE TEMPERATURE AND THE ACTIVE COOLING SETPOINT TO DETERMINE THE REQUESTED COOLING CAPACITY OF THE UNIT. THE OUTPUTS WILL BE CONTROLLED BASED ON THE UNIT CONFIGURATION AND THE REQUESTED COOLING CAPACITY.

HEATING MODE: WHEN THE UNIT IS IN HEATING MODE, THE VAV CONTROLLER SHALL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE HEATING SETPOINT (68°F ADJ) BY MODULATING THE AIRFLOW BETWEEN THE ACTIVE HEATING MINIMUM AIRFLOW SETPOINT TO THE MAXIMUM HEATING AIRFLOW SETPOINT. THE VAV CONTROLLER SHALL USE THE MEASURED SPACE TEMPERATURE AND THE ACTIVE HEATING SETPOINT TO DETERMINE THE REQUESTED HEATING CAPACITY OF THE UNIT. THE OUTPUTS WILL BE CONTROLLED BASED ON THE UNIT CONFIGURATION AND THE REQUESTED HEATING CAPACITY.

HEATING CONTROL: REHEAT WILL ONLY BE ALLOWED WHEN THE PRIMARY AIR TEMPERATURE IS 5.0 DEG. F BELOW THE CONFIGURED REHEAT ENABLE SETPOINT. THE REHEAT SHALL BE ENABLED WHEN THE SPACE TEMPERATURE DROPS BELOW THE ACTIVE COOLING SETPOINT AND THE AIRFLOW IS AT THE MINIMUM COOLING AIRFLOW SETPOINT. DURING REHEAT THE VAV SHALL OPERATE AT ITS MINIMUM HEATING AIRFLOW SETPOINT AND ENERGIZE THE HEAT AS FOLLOWS:
PULSE WIDTH MODULATED HEAT (PWM):IF THE SPACE TEMPERATURE IS AT THE HEATING SETPOINT, ENERGIZE FIRST STAGE OF HEAT. THE SECOND STAGE OF HEATING SHALL BE ENERGIZED BASED ON TIME AND TEMPERATURE DEVIATION FROM SETPOINT. DUTY CYCLE THESE STAGES ON A THREE-MINUTE WINDOW. STAGE 1 SHALL MODULATE FROM 0-50% DEVIATION AND BE ON CONTINUOUSLY ABOVE 50%. STAGE 2 SHALL MODULATE FROM 50-100% DEVIATION.

SPACE SENSOR FAILURE: IF THERE IS A FAULT WITH THE OPERATION OF THE ZONE SENSOR AN ALARM SHALL BE ANNUNCIATED AT THE BAS. SPACE SENSOR FAILURE SHALL CAUSE THE VAV TO DRIVE THE DAMPER TO MINIMUM AIR FLOW IF THE VAV IS IN THE OCCUPIED MODE, OR DRIVE IT CLOSED IF THE VAV IS IN THE UNOCCUPIED MODE.

VAV BOX NO HTR



VAV BOXES NO HTR SEQUENCE OF OPERATIONS (SEE PLANS FOR QUANTITIES AND LOCATIONS)

BUILDING AUTOMATION SYSTEM INTERFACE: THE BUILDING AUTOMATION SYSTEM (BAS) SHALL SEND THE CONTROLLER OCCUPIED AND UNOCCUPIED COMMANDS. THE BAS MAY ALSO SEND A SHALL ALSO SEND SPACE TEMPERATURE SETPOINT. IF COMMUNICATION IS LOST WITH THE BAS, THE VAV CONTROLLER SHALL OPERATE USING ITS LOCAL SETPOINTS.

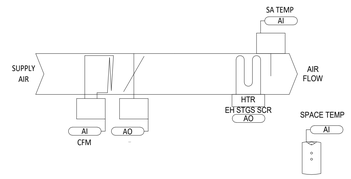
OCCUPANCY MODE: THE OCCUPANCY MODE SHALL BE COMMUNICATED TO THE VAV CONTROLLER. VALID OCCUPANCY MODES FOR THE VAV SHALL BE:
OCCUPIED: NORMAL OPERATING MODE FOR OCCUPIED SPACES . WHEN THE UNIT IS IN THE OCCUPIED MODE THE VAV SHALL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE OCCUPIED COOLING SETPOINT. APPLICABLE VENTILATION AND AIRFLOW SETPOINTS SHALL BE ENFORCED. THE OCCUPIED MODE SHALL BE THE DEFAULT MODE OF THE VAV.
UNOCCUPIED: NORMAL OPERATING MODE FOR UNOCCUPIED SPACES . WHEN THE UNIT IS IN UNOCCUPIED MODE THE VAV CONTROLLER SHALL CLOSE TO ITS MINIMUM POSITION ALLOWED (30% (ADJ.)).

COOLING SETPOINT:THE SPACE TEMPERATURE SETPOINT SHALL BE DETERMINED EITHER BY THE VAV DEFAULT SETPOINT OR A COMMUNICATED VALUE. THE VAV SHALL USE THE LOCALLY STORED DEFAULT SETPOINTS WHEN NEITHER A LOCAL SETPOINT NOR COMMUNICATED SETPOINT IS PRESENT. IF BOTH A LOCAL SETPOINT AND COMMUNICATED SETPOINT EXIST, THE VAV SHALL USE THE COMMUNICATED VALUE.

COOLING MODE: WHEN THE UNIT IS IN COOLING MODE, THE VAV CONTROLLER SHALL MAINTAIN THE SPACE TEMPERATURE AT THE ACTIVE COOLING SETPOINT (75°F ADJ) BY MODULATING THE AIRFLOW BETWEEN THE ACTIVE COOLING MINIMUM AIRFLOW SETPOINT TO THE MAXIMUM COOLING AIRFLOW SETPOINT. THE VAV SHALL USE THE MEASURED SPACE TEMPERATURE AND THE ACTIVE COOLING SETPOINT TO DETERMINE THE REQUESTED COOLING CAPACITY OF THE UNIT. THE OUTPUTS WILL BE CONTROLLED BASED ON THE UNIT CONFIGURATION AND THE REQUESTED COOLING CAPACITY.

SPACE SENSOR FAILURE: IF THERE IS A FAULT WITH THE OPERATION OF THE ZONE SENSOR AN ALARM SHALL BE ANNUNCIATED AT THE BAS. SPACE SENSOR FAILURE SHALL CAUSE THE VAV TO DRIVE THE DAMPER TO MINIMUM AIR FLOW IF THE VAV IS IN THE OCCUPIED MODE, OR DRIVE IT CLOSED IF THE VAV IS IN THE UNOCCUPIED MODE.

CV BOX WITH HTR



CAV BOXES SEQUENCE OF OPERATIONS (SEE PLANS FOR QUANTITIES AND LOCATIONS):

BUILDING AUTOMATION SYSTEM INTERFACE: THE BUILDING AUTOMATION SYSTEM (BAS) SHALL SEND THE CONTROLLER OCCUPIED AND UNOCCUPIED COMMANDS. IF COMMUNICATION IS LOST WITH THE BAS, THE CAV CONTROLLER SHALL OPERATE USING ITS LOCAL SETPOINTS.

OCCUPANCY MODE: THE OCCUPANCY MODE SHALL BE COMMUNICATED OR HARDWIRED TO THE CAV VIA A BINARY INPUT. VALID OCCUPANCY MODES FOR THE CAV BOX SHALL BE:
OCCUPIED MODE: NORMAL OPERATING MODE FOR OCCUPIED SPACES OR DAYTIME OPERATION. WHEN THE UNIT IS IN THE OCCUPIED MODE THE CAV BOX SHALL MAINTAIN THE AIR FLOW (CFMs) SETPOINT. WHEN THE SPACE AIR TEMPERATURE DROPS BELOW ITS SET POINT, CONTROLLER SHALL MODULATE SCR HTR TO MAINTAIN SPACE AIR TEMPERATURE COOLING / HEATING SETPOINT.

UNOCCUPIED MODE: NORMAL OPERATING MODE FOR UNOCCUPIED SPACES OR NIGHTTIME OPERATION. WHEN THE UNIT IS IN UNOCCUPIED MODE THE CAV BOX CONTROLLER SHALL CLOSE TO ITS MINIMUM POSITION ALLOWED (30% (ADJ.))

SPACE SENSOR FAILURE: IF THERE IS A FAULT WITH THE OPERATION OF THE ZONE SENSOR AN ALARM SHALL BE ANNUNCIATED AT THE BAS. SPACE SENSOR FAILURE SHALL CAUSE THE CAV TO DRIVE THE DAMPER TO OCCUPIED MODE, OR DRIVE IT CLOSED IF THE CAV IS IN THE UNOCCUPIED MODE.

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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MARIO H. GUTIERREZ LICENSE No.19687 STATE OF FLORIDA PROFESSIONAL ENGINEER

MARIO H. GUTIERREZ, PE.
MECHANICAL ENGINEER
FL. REG. NO. 19687
This item has been digitally signed & sealed by Mario H. Gutierrez, PE. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 75TH CAUSEWAY
NORTH BAY VILLAGE, FL 33141

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Project Number
WJ 2312

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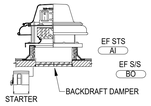
4	Plan Review	06/30/25

CONTROLS

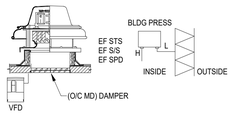
M901

FANS CONTROL



EF RUN CONDITIONS -SCHEDULED:
FAN SHALL RUN BASED ON ADJUSTABLE SCHEDULE IN ONE OF THE FOLLOWING MODES:
-OCCUPIED MODE: FAN SHALL BE ON
-UNOCCUPIED MODE: FAN SHALL BE OFF

FAN STATUS:THE CONTROLLER SHALL MONITOR THE FAN STATUS VIA A CURRENT SENSOR
ALARM:-FAN FAILURE

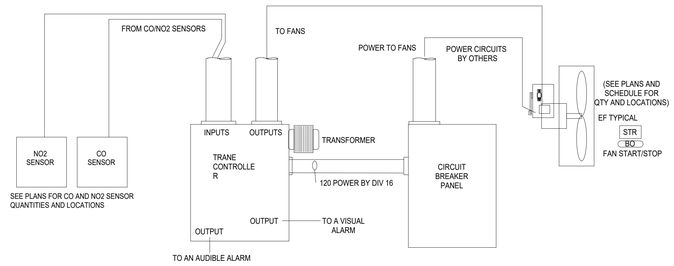


GENERAL RELIEF EXHAUST FAN - BUILDING STATIC
RUN CONDITIONS - SCHEDULED:
THE UNIT SHALL RUN ACCORDING TO A USER DEFINABLE SCHEDULE.

CONTROL - BUILDING STATIC PRESSURE:
THE RELIEF EXHAUST FAN SHALL RUN WHEN COMMANDED ON.THE CONTROLLER SHALL MEASURE BUILDING STATIC PRESSURE AND MODULATE THE EXHAUST FAN VFD SPEED TO MAINTAIN A BUILDING STATIC PRESSURE SETPOINT OF 0.05 IN H2O (ADJ.).

APPARATUS AREA VENTILATION SYSTEM CONTROL

TYPICAL WIRING SCHEMATIC



APPARATUS AREA GAS DETECTION SYSTEM SPECIFICATIONS
1- GENERAL
A)PROVIDE A COMPLETE INSTALLATION OF A TOXIC GAS DETECTION SYSTEM INCLUDING A MAIN CONTROL PANEL AND SENSORS LINKED TO A CONTROLLER
THE SYSTEM SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING:
-FUTURE EXPANDABILITY
-ABILITY TO MODIFY ALARMS AND SET POINTS
-AUTOMATIC AND MANUAL FAN START/STOP
2-PRODUCTS
A)TRASMITER WILL BE POWERED BY THE CONTROL PANEL POWER SUPPLY RATED AT 24 VAC. GAS TRANSMITTERS MUST BE INSTALLED IN A TRUE DAISY CHAIN WITH AN END OF THE LINE RESISTOR ON THE LAST TRANSMITTER. THE GAS TRANSMITTER WILL INCORPORATE AN ELECTROCHEMICAL CELL FOR TOXIC GAS MONITORING AND CATALYTIC BEAD SENSOR FOR COMBUSTIBLE GASES. UNIT SENSING CELL MUST COMPENSATE FOR VARIATIONS IN RELATIVE HUMIDITY AND TEMPERATURE TO MAINTAIN HIGH LEVELS OF ACCURACY.
B)TRANSMITTER WILL BE CAPABLE OF OPERATING WITHIN RELATIVE HUMIDITY RANGES OF 5-95% AND TEMPERATURE RANGES OF -4 -/F TO 104 -/F.
D)UNIT WILL BE CERTIFIED TO ANSI/UL 61010-1 LABEL AND CAN/CSA-C22.2 NO. 61010-1. TRANSMITTER MUST BE MANUFACTURED IN AN ISO 9001-2000 PRODUCTION ENVIRONMENT.
E)THE TRANSMITTER SHOULD HAVE A PLUG-IN CAPABILITY FOR A GAS CARTRIDGE WITH A SMART SENSOR CAPABLE OF SELF-TESTING.
F)FOR LOCAL ACTIVATION OF AUDIBLE ALARMS, THE TRANSMITTER SHALL HAVE AN ON-BOARD DEVICE ABLE TO GENERATE AN AUDIBLE OUTPUT OF 85 DBA @ 10FT.
G)ALL CIRCULATION FANS SHALL RUN CONTINUOUSLY WHEN BUILDING IS OCCUPIED.
DETECTOR ALARM LEVELS ARE TO BE ACTIVATED AND THE UNIT IS TO BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING PARAMETERS:

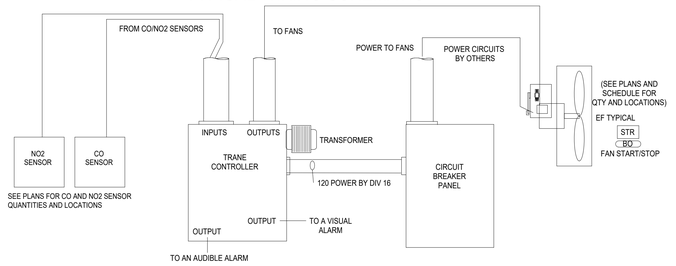
TOXIC GASES	1ST ALARM SET POINT (TLV-TWA)	2ND ALARM SET POINT (TLV-STEL)	3RD ALARM SET POINT	MOUNTING HEIGHT	COVERAGE RADIUS
CARBON MONOXIDE (CO)	25 PPM	100 PPM	200 PPM	5 FT ABOVE FINISHED FLOOR	50 FT
NO2	0.7 PPM	2 PPM	9 PPM	1 FT BELOW FINISHED CEILING	50 FT

2.2 CONTROLLER
A)THE CONTROLLER MUST ALSO INCLUDE AN ENERGY SAVING FEATURE THAT ALLOWS FOR THE OUTPUT OPERATION ON ALARMS SET AT THE MAX, MIN OR AVERAGE VALUE OF A SPECIFIC GROUP OF TRANSMITTERS. THIS FEATURE MUST ALSO ALLOW FOR THE ACTIVATION OF OUTPUTS UPON A CERTAIN NUMBER OF A SPECIFIC GROUP OF TRANSMITTERS.
B) THE CONTROLLER WILL BE CAPABLE OF COMMUNICATING WITH THE EXISTING BUILDING FIRE ALARM ENUNCIATOR PANEL THAT CAN SERVE AS A REMOTE DISPLAY PANEL IN A SECONDARY CONTROL ROOM.
3-SEQUENCE OF OPERATIONS:
DURING NORMAL OPERATION MODE, EFs 1-9 AND 1-10 SHALL RUN CONTINUOUSLY TO MAINTAIN MINIMUM VENTILATION RATE REQUIRED. IF ONE CO OR NO2 DETECTOR IS ACTIVATED, THE OTHER EXHAUST FAN 1-8 SHALL BE COMMANDED ON. A VISUAL AND AUDIBLE ALARM SHALL BE ACTIVATED.
IF ONE OF THE CONTINUOUS OPERATION FANS FAILS, AN ALARM "FAN FAILURE" SHALL BE SENT TO THE BAS.

CONTROL CONTRACTOR TRANE 954-499-6900

SALLY PORT VENTILATION SYSTEM CONTROL

TYPICAL WIRING SCHEMATIC



PARKING GARAGE GAS DETECTION SYSTEM SPECIFICATIONS
1- GENERAL
A)PROVIDE A COMPLETE INSTALLATION OF A TOXIC GAS DETECTION SYSTEM INCLUDING A MAIN CONTROL PANEL AND SENSORS LINKED TO A CONTROLLER
THE SYSTEM SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING:
-FUTURE EXPANDABILITY
-ABILITY TO MODIFY ALARMS AND SET POINTS
-AUTOMATIC AND MANUAL FAN START/STOP
2-PRODUCTS
A)TRASMITER WILL BE POWERED BY THE CONTROL PANEL POWER SUPPLY RATED AT 24 VAC. GAS TRANSMITTERS MUST BE INSTALLED IN A TRUE DAISY CHAIN WITH AN END OF THE LINE RESISTOR ON THE LAST TRANSMITTER. THE GAS TRANSMITTER WILL INCORPORATE AN ELECTROCHEMICAL CELL FOR TOXIC GAS MONITORING AND CATALYTIC BEAD SENSOR FOR COMBUSTIBLE GASES. UNIT SENSING CELL MUST COMPENSATE FOR VARIATIONS IN RELATIVE HUMIDITY AND TEMPERATURE TO MAINTAIN HIGH LEVELS OF ACCURACY.
B)TRANSMITTER WILL BE CAPABLE OF OPERATING WITHIN RELATIVE HUMIDITY RANGES OF 5-95% AND TEMPERATURE RANGES OF -4 -/F TO 104 -/F.
D)UNIT WILL BE CERTIFIED TO ANSI/UL 61010-1 LABEL AND CAN/CSA-C22.2 NO. 61010-1. TRANSMITTER MUST BE MANUFACTURED IN AN ISO 9001-2000 PRODUCTION ENVIRONMENT.
E)THE TRANSMITTER SHOULD HAVE A PLUG-IN CAPABILITY FOR A GAS CARTRIDGE WITH A SMART SENSOR CAPABLE OF SELF-TESTING.
F)FOR LOCAL ACTIVATION OF AUDIBLE ALARMS, THE TRANSMITTER SHALL HAVE AN ON-BOARD DEVICE ABLE TO GENERATE AN AUDIBLE OUTPUT OF 85 DBA @ 10FT.
G)ALL CIRCULATION FANS SHALL RUN CONTINUOUSLY WHEN BUILDING IS OCCUPIED.
DETECTOR ALARM LEVELS ARE TO BE ACTIVATED AND THE UNIT IS TO BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING PARAMETERS:

TOXIC GASES	1ST ALARM SET POINT (TLV-TWA)	2ND ALARM SET POINT (TLV-STEL)	3RD ALARM SET POINT	MOUNTING HEIGHT	COVERAGE RADIUS
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NO2	0.7 PPM	2 PPM	9 PPM	1 FT BELOW FINISHED CEILING	50 FT

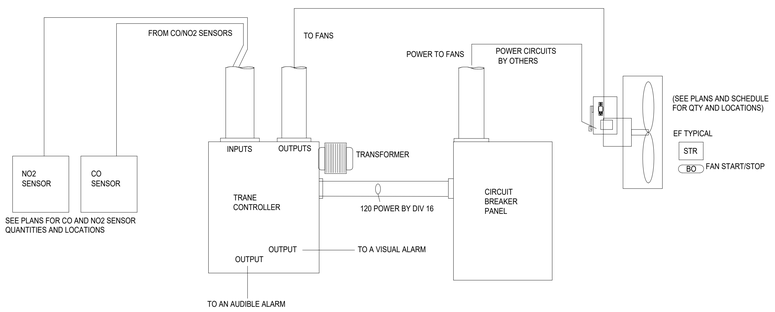
2.2 CONTROLLER
A)THE CONTROLLER MUST ALSO INCLUDE AN ENERGY SAVING FEATURE THAT ALLOWS FOR THE OUTPUT OPERATION ON ALARMS SET AT THE MAX, MIN OR AVERAGE VALUE OF A SPECIFIC GROUP OF TRANSMITTERS. THIS FEATURE MUST ALSO ALLOW FOR THE ACTIVATION OF OUTPUTS UPON A CERTAIN NUMBER OF A SPECIFIC GROUP OF TRANSMITTERS.
B) THE CONTROLLER WILL BE CAPABLE OF COMMUNICATING WITH THE EXISTING BUILDING FIRE ALARM ENUNCIATOR PANEL THAT CAN SERVE AS A REMOTE DISPLAY PANEL IN A SECONDARY CONTROL ROOM.
3-SEQUENCE OF OPERATIONS:
DURING NORMAL OPERATION MODE, EF 4-1 SHALL RUN CONTINUOUSLY TO MAINTAIN MINIMUM VENTILATION RATE REQUIRED. IF ONE CO OR NO2 DETECTOR IS ACTIVATED, THE OTHER EXHAUST FAN 4-2 SHALL BE COMMANDED ON. A VISUAL AND AUDIBLE ALARM SHALL BE ACTIVATED.
IF ONE OF THE CONTINUOUS OPERATION FANS FAILS, AN ALARM "FAN FAILURE" SHALL BE SENT TO THE BAS.

CONTROL CONTRACTOR TRANE 954-499-6900

4

PARKING GARAGE VENTILATION SYSTEM CONTROL

TYPICAL WIRING SCHEMATIC



PARKING GARAGE VENTILATION SYSTEM CONTROL

PARKING GARAGE GAS DETECTION SYSTEM SPECIFICATIONS

1- GENERAL

A) PROVIDE A COMPLETE INSTALLATION OF A TOXIC GAS DETECTION SYSTEM INCLUDING A MAIN CONTROL PANEL AND SENSORS LINKED TO A CONTROLLER
THE SYSTEM SHALL INCLUDE, BUT NOT LIMITED TO, THE FOLLOWING:

-FUTURE EXPANDABILITY

-ABILITY TO MODIFY ALARMS AND SET POINTS

-AUTOMATIC AND MANUAL FAN START/STOP

2- PRODUCTS

A) TRANSMITTER WILL BE POWERED BY THE CONTROL PANEL POWER SUPPLY RATED AT 24 VAC. GAS TRANSMITTERS MUST BE INSTALLED IN A TRUE DAISY CHAIN WITH AN END OF THE LINE RESISTOR ON THE LAST TRANSMITTER. THE GAS TRANSMITTER WILL INCORPORATE AN ELECTROCHEMICAL CELL FOR TOXIC GAS MONITORING AND CATALYTIC BEAD SENSOR FOR COMBUSTIBLE GASES. UNIT SENSING CELL MUST COMPENSATE FOR VARIATIONS IN RELATIVE HUMIDITY AND TEMPERATURE TO MAINTAIN HIGH LEVELS OF ACCURACY.

B) TRANSMITTER WILL BE CAPABLE OF OPERATING WITHIN RELATIVE HUMIDITY RANGES OF 5-95% AND TEMPERATURE RANGES OF -4 'F TO 104 'F.

C) UNIT WILL BE CERTIFIED TO ANSI/UL 61010-1 LABEL AND CAN/CSA-C22.2 NO. 61010-1. TRANSMITTER MUST BE MANUFACTURED IN AN ISO 9001-2000 PRODUCTION ENVIRONMENT.

D) THE TRANSMITTER SHOULD HAVE A PLUG-IN CAPABILITY FOR A GAS CARTRIDGE WITH A SMART SENSOR CAPABLE OF SELF-TESTING.

E) FOR LOCAL ACTIVATION OF AUDIBLE ALARMS, THE TRANSMITTER SHALL HAVE AN ON-BOARD DEVICE ABLE TO GENERATE AN AUDIBLE OUTPUT OF 85 DBA @ 10FT.

F) ALL CIRCULATION FANS SHALL RUN CONTINUOUSLY WHEN BUILDING IS OCCUPIED.

G) DETECTOR ALARM LEVELS ARE TO BE ACTIVATED AND THE UNIT IS TO BE INSTALLED IN ACCORDANCE WITH THE FOLLOWING PARAMETERS:

TOXIC GASES	1ST ALARM SET POINT (TLV-TWA)	2ND ALARM SET POINT (TLV-STEL)	3RD ALARM SET POINT	MOUNTING HEIGHT	COVERAGE RADIUS
CARBON MONOXIDE (CO)	25 PPM	100 PPM	200 PPM	5 FT ABOVE FINISHED FLOOR	50 FT
NO2	0.7 PPM	2 PPM	9 PPM	1 FT BELOW FINISHED CEILING	50 FT

2.2 CONTROLLER

A) THE CONTROLLER MUST ALSO INCLUDE AN ENERGY SAVING FEATURE THAT ALLOWS FOR THE OUTPUT OPERATION ON ALARMS SET AT THE MAX, MIN OR AVERAGE VALUE OF A SPECIFIC GROUP OF TRANSMITTERS. THIS FEATURE MUST ALSO ALLOW FOR THE ACTIVATION OF OUTPUTS UPON A CERTAIN NUMBER OF A SPECIFIC GROUP OF TRANSMITTERS.

B) THE CONTROLLER WILL BE CAPABLE OF COMMUNICATING WITH THE EXISTING BUILDING FIRE ALARM ENUNCIATOR PANEL THAT CAN SERVE AS A REMOTE DISPLAY PANEL IN A SECONDARY CONTROL ROOM.

3- SEQUENCE OF OPERATIONS:

DURING NORMAL OPERATION MODE, CMEF 1-1/2-1/3-1 SHALL RUN CONTINUOUSLY TO MAINTAIN MINIMUM VENTILATION RATE REQUIRED (THE ROTATION OF CONTINUOUSLY RUNNING FANS SHALL BE SCHEDULED FOR 24HRS ON EACH FLOOR). IF ONE CO OR NO2 DETECTOR IS ACTIVATED, THE OTHER TWO (2) GARAGE EXHAUST FAN(S) ON FLOOR(S) OF INCIDENCE SHALL BE COMMANDED ON. A VISUAL AND AUDIBLE ALARM SHALL BE ACTIVATED.
IF ONE OF THE CONTINUOUS OPERATION FANS FAILS DURING NORMAL OPERATION, ONE OF THE OTHER TWO (2) FANS ON THE FLOOR SHALL BE COMMANDED ON, AND AN ALARM "FAN FAILURE" SHALL BE SENT TO THE BAS.

CONTROL CONTRACTOR TRANE 954-499-6900

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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MARIO H. GUTIERREZ, PE.
MECHANICAL ENGINEER
FL. REG. NO. 19687
This item has been digitally signed & sealed by Mario H. Gutierrez, PE.. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

MARIO H. GUTIERREZ LICENSE No.19687 STATE OF FLORIDA PROFESSIONAL ENGINEER

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79TH CAUSEWAY
NORTH BAY VILLAGE, FL 33141

10/27/2025 3:20:24 PM

Project Number
WJ 2312

DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE
4	Plan Review	06/30/25

CONTROLS

M902

1 PLUMBING GENERAL NOTES
12" = 1'-0"

1. ALL PLUMBING UNDER THIS CONTRACT SHALL COMPLY WITH THE 8TH/ EDITION 2023 OF THE "FLORIDA BUILDING CODE-PLUMBING" AND ALL APPLICABLE LOCAL ORDINANCES.
2. THE CONTRACTOR SHALL COORDINATE THE WORK OF THIS TRADE WITH ALL OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE ARCHITECT/ ENGINEER.
3. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH THE ARCHITECTURAL PLANS.
4. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETE SYSTEM SHALL BE FULLY OPERATIVE.
5. VERIFY THE LOCATION, SIZE AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION. ADVISE ARCHITECT/ ENGINEER OF ANY DISCREPANCIES.
6. DRAWINGS ARE DIAGRAMMATIC. DO NOT SCALE DRAWINGS FOR THE EXACT LOCATION OF FIXTURES AND PIPING.
7. PROVIDE DIELECTRIC UNIONS WHERE DISSIMILAR METALS ARE JOINED.
8. ESCUTCHEONS SHALL BE CHROME PLATED BRASS WITH LOCKING SCREWS WHERE PIPES PASS THROUGH FINISHED WALLS.
9. A CLEAN OUT SHALL BE PROVIDED AT THE BASE OF EACH SOIL AND WASTE STACK.
10. EVERY FIXTURE CONNECTED TO THE DRAINAGE SYSTEM SHALL BE EQUIPPED WITH A WATER SEAL TRAP.
11. PLUMBING FIXTURES SHALL COMPLY WITH WATER CONSERVATION F.S.553.14 AND FBC-PLUMBING TABLE 604.4.
12. PLUMBING FIXTURES SHALL COMPLY WITH FBC-PLUMBING, 402.1.
13. FBC-PLUMBING 606.3, PROVIDE ACCESS TO ALL SHUT-OFF VALVES.
14. PROVIDE SHUT-OFF VALVES IN COMPLIANCE WITH FBC-PLUMBING, 606.1.
15. WHERE THE SPACE ABOVE THE CEILING IN THIS PROJECT IS A RETURN AIR PLENUM COMBUSTIBLE MATERIALS ARE NOT ALLOWED.
16. UPON COMPLETION OF THE WORK, FURNISH TO THE OWNER CERTIFICATES OF FINAL INSPECTIONS AND APPROVALS FROM AUTHORITIES HAVING JURISDICTION.

PLUMBING LEGEND

MARK	DESCRIPTION	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
CA	COMPRESSED AIR LINE		AIR CHAMBER	AAV	AIR ADMITTANCE VALVE
CA	EXISTING COMPRESSED AIR LINE			ABV	ABOVE
CW	EXISTING COLD WATER LINE (CW)	WHA	WATER HAMMER ARRESTOR	AD	AREA DRAIN
	NEW COLD WATER LINE (CW)			AFF	ABOVE FINISHED FLOOR
T	NEW TEMPERED WATER LINE (T)		BALANCING VLV. W/ INDICATOR	ARCH	ARCHITECTURAL
CD	NEW CONDENSATE DRAIN LINE		BALL VALVE	BLW	BELOW
CD	EXISTING CONDENSATE DRAIN LINE		CHECK VALVE	CD	CONDENSATE
G	EXISTING GAS LINE		GATE VALVE	CLG	CEILING
G	GAS LINE		GAS COCK VALVE	CO	CLEAN OUT
GW	GREASE WASTE		SOLENOID VALVE	CONC	CONCRETE
GW	EXISTING GREASE WASTE		VALVE IN BOX	CONT	CONTINUATION
HW	EXISTING HOT WATER LINE (HW)	VIV	GATE VALVE IN VERTICAL	CTRL	CONTROL
HW	NEW HOT WATER LINE (HW)	HB	HOSE BIBB W/ BACK FLOW PREVENTER AND SHUT-OFF VALVE	CW	COLD WATER
HWR	EXISTING HOT WATER LINE RECIRCULATING LINE (HWR)			DN	DOWN
	INDIRECT SAFE WASTE (W)		UNION	DW	DIRECT WASTE
PR	PRESSURE & TEMPERATURE RELIEF LINE	FD	FLOOR DRAIN W/ TRAP RESEAL	DWG	DRAWING
PD	PAN DRAIN			EA	EACH
SAN	EXISTING SANITARY LINE (SAN)	RD/EDR	ROOF DRAIN AND EMERGENCY OVERFLOW DRAIN	ELEC	ELECTRICAL
SAN	NEW SANITARY WASTE LINE (SAN)		FLOOR SINK FULL GRATE (FS)	ELEV	ELEVATOR
V	EXISTING VENT LINE (V)		FLOOR SINK W/ HALF GRATE (FS)	EWC	ELECTRIC WATER COOLER
V	SANITARY VENT LINE (V)		FLOOR SINK W/ 3/4 GRATE (FS)	EWH	ELECTRIC WATER HEATER
SD	EXISTING STORM DRAIN LINE		STEAM TRAP	EXIST	EXISTING
SD	NEW STORM DRAIN LINE	FCO	FLOOR CLEAN OUT	FCO	FLOOR CLEAN OUT
AR	ACID RESISTANT PIPING	CO	WALL CLEAN OUT	FDV	FIRE DEPARTMENT VALVE
HWS	HOT WATER SUPPLY		"P" TRAP	FLR	FLOOR
HWR	HOT WATER RETURN		CONNECT TO EXISTING	FS	FLOOR SINK
STM	STEAM PIPING		END OF DEMOLITION	FU	FIXTURE UNIT
80 PSIG	STEAM . FIGURE INDICATES OPERATING PRESSURE			FW	FILTERED WATER
FW	BOILER FEED WATER		TAMPER SWITCH	GCO	GROUND CLEAN OUT
			FLOW SWITCH	GD	GUTTER DRAIN
	ARROW INDICATES DIRECTION OF PIPE PITCH DOWNWARD	W O	RISER ID	GPM	GALLONS PER MINUTE
			LINE TO BE DEMOLISHED / REMOVED	GWH	GAS WATER HEATER
				HP	HIGH PRESSURE
				HW	HOT WATER
				HWR	HOT WATER RETURN
				IW	INDIRECT WASTE
				LP	LOW PRESSURE
				LVL	LEVEL
				MECH	MECHANICAL
				RM	ROOM
				RWL	RAIN WATER LEADER
				SAN	SANITARY
				STG	STORAGE
				SYS	SYSTEM
				TP	TRAP PRIMER
				TYP	TYPICAL
				UG	UNDERGROUND
				V	VENT
				VB	VACUUM BREAKER
				VTR	VENT THROUGH ROOF
				W/	WITH
				WH	WALL HYDRANT

NOTE:
THIS IS A GENERAL LEGEND FOR SYMBOLS APPLICABLE TO THIS PROJECT, REFER TO THE DRAWINGS.

EQUIPMENT SCHEDULE

MARK	TYPE	MANUF.	MODEL NO.	DESCRIPTION
EWH-1	ELECTRIC TANK WATER HEATER	AO SMITH	DVE-120	120 GAL ELECTRIC TANK WATER HEATER, 208VAC 3ϕ 15KW - 41.6 AMP
IWH-1	ELECTRIC TANK WATER HEATER	CHRONOMITE	CM-12L/240	ELECTRIC TANKLESS WATER HEATER, 240VAC 1ϕ 2.88KW - 12 AMP
IWH-2	ELECTRIC TANK WATER HEATER	CHRONOMITE	CM-15L/240	ELECTRIC TANKLESS WATER HEATER, 240VAC 1ϕ 3.6KW - 15 AMP
IWH-3	ELECTRIC TANK WATER HEATER	CHRONOMITE	CM-30L/240	ELECTRIC TANKLESS WATER HEATER, 240VAC 1ϕ 7.2KW - 30 AMP
RWP-1	RECIRCULATING PUMP	TACO	006e3 ECM	HOT WATER RE-CIRCULATION PUMP, 120VAC 1ϕ 60hz 44W MAX. STAINLESS STEEL HOUSING WITH AQUASTAT.
SP-1	ELEVATOR SUMP PUMP	HYDROMATIC	SPD100H	ELEVATOR SUMP PUMP 1 HP, 230VAC 3ϕ 5.2 AMP
SP-1A	SUMP PUMP CONTROL PANEL	SEA WATER INC. OIL SMART	OSSIM-TP-3004	ELEVATOR SUMP PUMP CONTROL PANEL - 208/240/480 V, 4.0-6.3 AMP
SP-2	ELEVATOR SUMP PUMP	HYDROMATIC	SPD50H	ELEVATOR SUMP PUMP 1/2 HP, 230VAC 3ϕ 3.5 AMP
SP-2A	SUMP PUMP CONTROL PANEL	SEA WATER INC. OIL SMART	OSSIM-TP-3003	ELEVATOR SUMP PUMP CONTROL PANEL - 208/240/480 V, 2.5-4.0 AMP
DWP-1	DOMESTIC WATER PUMP	ARMSTRONG	NPS-210040-01S-3hp	DOMESTIC WATER PUMP BOOSTER SYSTEM (TRIPLEX - 2 DUTY/ 1 STANDBY)

WATER HAMMER ARRESTOR (WHA) SELECTOR CHART

HYDRA-RESTER TYPE NO.	652-A	653-B	654-C	655-D	656-E	657-F
P.D.I. SYMBOLS *	A	B	C	D	E	F
FIXTURE-UNITS RATING	1-11	12-32	33-60	61-133	114-154	155-330

* CLASSIFICATION ESTABLISHED BY THE PLUMBING AND DRAINAGE INSTITUTE "STANDARD P.D.I.- WH201"
* HYDRA-RESTER TYPE IS BASED ON "SIOUX CHIEF" PRODUCT.

SLOPE OF HORIZONTAL DRAINAGE PIPE

SIZE (Inches)	MINIMUM SLOPE (Inch per foot)
2 or less	1/4
3 to 6	1/8
8 or larger	1/16
SLOPE PER TABLE 704.1 FBC/P 2023 (UNLESS OTHERWISE NOTED)	

RER-DERM
FOG Control Device (FCD)
Installation Inspection

Approval Date:	
Inspector:	

DERM's FCD Installation Inspection Required Prior to Plumbing Final for all Municipal projects. Failure to secure DERM's FCD Installation Inspection will result in disapproval of Final Inspection by the Municipal Building Official, pursuant to Section 24.42-6, MDC Code.

To schedule DERM's FCD Installation inspection for Municipal projects send an email to **iFOG2@miamidade.gov**, 24 hours prior to the desired date. Provide the DERM-Grease approved process M-number, complete address of the site, folio number, and contact person name and phone number.

Updated: 9/12/2022

PLUMBING CONNECTION SCHEDULE

MARK	DESCRIPTION	WASTE	CW	HW	GPM	GPF	MNF	MODEL	MNF (FLUSHVALVE/FAUCET)	MODEL (FLUSHVALVE/FAUCET)	MARK
WC-1	WATER CLOSET (ADA)	3"	1½"	-	-	1.1	AMERICAN STANDARD	MADERA FLOWISE 3461.511	AMERICAN STANDARD	SELECTRONIC 6066111.002	FLOOR-MOUNTED ELONGATED FLUSHOMETER VALVE TOILET, VITREOUS CHINA, WHITE, HIGH EFFICIENCY, TOP SPUD, 1.1 GPF FLUSH VALVE, 16-1/2" RIM HEIGHT (ADA), WHITE HEAVY-DUTY OPEN FRONT TOILET SEAT LESS COVER.
WC-2	WATER CLOSET	3"	1½"	-	-	1.1	AMERICAN STANDARD	MADERA FLOWISE 3451.511	AMERICAN STANDARD	SELECTRONIC 6066111.002	FLOOR-MOUNTED ELONGATED FLUSHOMETER VALVE TOILET, VITREOUS CHINA, WHITE, HIGH EFFICIENCY, TOP SPUD, 1.1 GPF FLUSH VALVE, 15" RIM HEIGHT, WHITE HEAVY-DUTY OPEN FRONT TOILET SEAT LESS COVER.
L-1	LAVATORY (ADA)	1½"	1/2"	1/2"	0.35	-	AMERICAN STANDARD	DECORUM 9024.001EC	AMERICAN STANDARD	PARADIGM SELECTRONIC 7025.203	WALL MOUNTED, VITREOUS CHINA, WHITE LAVATORY, PARADIGM ™ SELECTRONIC® DECK-MOUNT, LAVATORY FAUCET, POLISHED CHROME FINISH, COMPLY WITH ADA. ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE. PROVIDE COMPATIBLE CARRIER.
L-2	LAVATORY	1½"	1/2"	1/2"	0.35	-	AMERICAN STANDARD	OVALYN™ 0496.300	AMERICAN STANDARD	PARADIGM SELECTRONIC 7025.203	WALL MOUNTED, VITREOUS CHINA, WHITE LAVATORY, PARADIGM ™ SELECTRONIC® DECK-MOUNT, LAVATORY FAUCET, POLISHED CHROME FINISH. ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE. PROVIDE COMPATIBLE CARRIER.
L-3	LAVATORY	1½"	1/2"	1/2"	0.35	-	MARBLE-LITE	CUSTOM VANITY (SEE ARCH DWGS)	ELKAY	LKB738C	CUSTOM FORMED VANITY WITH INTEGRAL LAVATORY, BATTERY POWERED DECK-MOUNT, LAVATORY FAUCET, POLISHED CHROME FINISH, COMPLY WITH ADA. ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE.
UR-1	URINAL	2"	3/4"	-	-	0.125	AMERICAN STANDARD	WASKBROOK® FLOWISE® 6590.001	AMERICAN STANDARD	ULTIMA SELECTRONIC 6063013.002	WALL MOUNTED, ADA COMPLIANT, ULTRA HIGH EFFICIENCY URINAL, EXPOSED, SENSOR OPERATED, BATTERY POWERED, TOP SPUD, FLUSH VALVE 0.125GPF, PROVIDE COMPATIBLE CARRIER.
SK-1	SINK	2"	1/2"	1/2"	0.5		ELKAY	LUSTERTONE ELUH129	ZURN	Z831B4-XL	SINGLE BOWL, UNDERCOUNTER MOUNTED, 18 GA, 14-1/2" x 11-3/4" x 7", DECK-MOUNT, GOOSNECK FAUCET, WRIST BLADE HANDLES, POLISHED CHROME FINISH, COMPLY WITH ADA. ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE.
SK-2	SINK	2"	1/2"	1/2"	0.5		ADVANCE TABCO	DI-2-2012	ZURN	Z831B4-XL	EQUAL DOUBLE BOWL, UNDERCOUNTER MOUNTED, 20" x 16" x 12" 18 GA STAINLESS STEEL SINK, DECK-MOUNT, GOOSNECK FAUCET, WRIST BLADE HANDLES, POLISHED CHROME FINISH, COMPLY WITH ADA. ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE.
SK-3	SINK	2"	1/2"	1/2"	0.5		ELKAY	LUSTERTONE LRAD332255	ELKAY	LK1001CR	EQUAL DOUBLE BOWL, DROP-IN, 18 GA STAINLESS STEEL SINK, DRAIN LOCATION - CENTER, FOUR HOLE DECK MOUNT FAUCET WITH LEVER HANDLE AND SIDE SPRAY AND CHROME ESCUTCHEON. ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE.
SK-4	SINK	2"	1/2"	1/2"	0.5		KOHLER	VAULT™ K-3894	KOHLER	RIVAL® K-30469	UNDERMOUNT SINGLE-BOWL, 18 GA STAINLESS STEEL SINK, SINK DRAIN AND STRAINER BASKET, PULL-DOWN KITCHEN FAUCET, POLISHED CHROME FINISH. ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE.
SK-5	SINK	2"	1/2"	1/2"	0.5		ELKAY	DLR222210	ELKAY	LK1001CR	SINGLE-BOWL, DROP-IN, 22" x 22" x 10-1/8" 18 GA STAINLESS STEEL SINK, SINK DRAIN AND STRAINER BASKET, PULL-DOWN KITCHEN FAUCET, POLISHED CHROME FINISH. ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE.
SK-6	SINK	2"	1/2"	1/2"	0.5		ELKAY	EFRU281610T	ELKAY	LK1001CR	SINGLE-BOWL, UNDERMOUNT, 30-1/2" x 18-1/2" x 10" 18 GA STAINLESS STEEL SINK, SINK DRAIN AND STRAINER BASKET, PULL-DOWN KITCHEN FAUCET, POLISHED CHROME FINISH. ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE.
SK-7	SINK	2"	1/2"	1/2"	1.75		ELKAY	LRAD191860	ELKAY	LKGT1041	SINGLE-BOWL, DROP-IN, 19" x 18" x 6" 18 GA, ADA STAINLESS STEEL SINK, SINK DRAIN AND STRAINER BASKET, PULL-OUT KITCHEN FAUCET, POLISHED CHROME FINISH. ASSE 1070 CERTIFIED THERMOSTATIC MIXING VALVE.
SSK-1	SERVICE SINK	3"	1/2"	1/2"	3.0	-	FLORESTONE	MSR-2424	AMERICAN STANDARD	8354.112	MOLDED 24" X 24" X 10" MOP SINK. EXPOSED WALL-MOUNT UTILITY FAUCET, 6" CAST SPOUT WITH VACUUM BREAKER, METAL LEVER HANDLES, BUCKET HOOK, 3/4" THREADED HOSE END. 1/2" FEMALE INLETS
EWC-1	ELECTRIC WATER COOLER	1½"	1/2"	-	-	-	ELKAY	LZWS-LRPBM28K	-	-	WALL MOUNTED, BARRIER FREE, BI-LEVEL ELECTRIC WATER COOLER WITH BOTTLE FILLING STATION. ADA COMPLIANT
SH-1	SHOWER	2"	1/2"	1/2"	1.5	-	JOSAM	30000-S	BRADLEY	1CTMVS115	SHOWER SYSTEM KIT: METAL VALVE TRIM, WALL SUPPLY, 1.5 GPM SHOWER HEAD. PRESSURE BALANCING VALVE. DRAIN: 2 PIECE BODY WITH DOUBLE DRAINAGE FLANGE INVERTIBLE FLASHING COLLAR, WEEPHOLES, BOTTOM OUTLET CONNECTION AND ADJUSTABLE SQUARE STRAINER. HEELPROOF, VANDALPROOF AND ADA COMPLIANT.
SH-2	SHOWER	2"	1/2"	1/2"	1.5	-	JOSAM	30000-S	MOEN	8342EP15	SHOWER SYSTEM KIT: METAL VALVE TRIM, WALL SUPPLY, 72" METAL HOSE, 1.5 GPM, 3 FUNCTION HAND SHOWER WITH NON-POSITIVE SHUT-OFF, 2-WAY DIVERTER, FIXED SHOWER HEAD AND 30" SLIDE BAR. PRESSURE BALANCING CYCLE VALVE. DRAIN: 2 PIECE BODY WITH DOUBLE DRAINAGE FLANGE INVERTIBLE FLASHING COLLAR, WEEPHOLES, BOTTOM OUTLET CONNECTION AND ADJUSTABLE SQUARE STRAINER. HEELPROOF, VANDALPROOF AND ADA COMPLIANT.
WB-1	WASHER BOX	2"	1/2"	1/2"	-	-	IPS CORPORATION	WATER-TITE W2700HA	-	-	WASHING MACHINE OUTLET BOX WITH QUARTER TURN HAMMER ARRESTER VALVES.
IM-1	ICE MAKER BOX	-	1/2"	-	-	-	IPS CORPORATION	WATER-TITE AB9700HA	-	-	ICE MAKER OUTLET BOX WITH QUARTER TURN HAMMER ARRESTER VALVE.
WF-1	WATER FILTER	-	3/8"	-	-	-	MANITOWOC	ARCTIC PURE PLUS AR-40000-P	-	-	ICE MAKER WATER FILTER SYSTEM. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
HB-1	WALL FAUCET	-	3/4"	-	-	-	ZURN	Z1341	-	-	WALL FAUCET WITH EXTERNAL VACUUM BREAKER, 3/4" MALE HOSE CONNECTION CONFORMING TO ASME B1.20.7. PROVIDE LOOSE KEY HANDLE.
RD-1 / ERD-1	COMBINATION ROOF DRAIN AND EMERGENCY ROOF DRAIN[3]	-	-	-	-	-	ZURN	Z164	-	-	12" DIAMETER ROOF DRAIN AND OVERFLOW DRAIN, DURA□COATED CAST IRON BODIES WITH COMBINATION MEMBRANE FLASHING CLAMP/GRAVEL GUARDS, DOUBLE TOP-SET® DECK PLATE, AND LOW SILHOUETTE CAST IRON DOMES.
DS-1	DOWNSPOUT NOZZLE[3]	-	-	-	-	-	ZURN	Z199-DC	-	-	DOWNSPOUT COVER, ROUND FABRICATED STAINLESS STEEL FRAME WITH FABRICATED SECURED PERFORATED STAINLESS STEEL HINGED STRAINER.
FD-1	FLOOR DRAIN[3]	-	-	-	-	-	JAY R. SMITH	2005	-	-	CAST IRON FLOOR DRAIN, 1/2" PRIMER TAP, FLASHING COLLAR, WEEPHOLES, BOTTOM OUTLET CONNECTION, HEELPROOF, VANDALPROOF, ADA COMPLIANT, POLISHED BRONZE ADJUSTABLE 5" SQUARE STRAINER AND SEDIMENT BUCKET.
FD-2	FLOOR DRAIN[3]	-	-	-	-	-	JAY R. SMITH	2005	-	-	CAST IRON FLOOR DRAIN, 1/2" PRIMER TAP, FLASHING COLLAR, WEEPHOLES, BOTTOM OUTLET CONNECTION, HEELPROOF, VANDALPROOF, ADA COMPLIANT, STAINLESS STEEL ADJUSTABLE 5" SQUARE STRAINER AND SEDIMENT BUCKET.
AD-1	AREA DRAIN[3]	-	-	-	-	-	JAY R. SMITH	2110	-	-	CAST IRON FLOOR DRAIN, FLASHING COLLAR, WEEPHOLES, BOTTOM OUTLET CONNECTION, HEELPROOF, VANDALPROOF, ADA COMPLIANT, STAINLESS STEEL ADJUSTABLE SQUARE STRAINER.
AD-2	AREA DRAIN[3]	-	-	-	-	-	JAY R. SMITH	2005	-	-	CAST IRON FLOOR DRAIN, 1/2" PRIMER TAP, FLASHING COLLAR, WEEPHOLES, BOTTOM OUTLET CONNECTION, HEELPROOF, VANDALPROOF, ADA COMPLIANT, STAINLESS STEEL ADJUSTABLE 5" SQUARE STRAINER AND SEDIMENT BUCKET.
TD-1	TRENCH DRAIN[3]	-	-	-	-	-	-	-	-	-	PROVIDE TRAFFIC RATED GRATE
TD-2	TRENCH DRAIN[3]	-	-	-	-	-	-	-	-	-	PROVIDE STAINLESS STEEL GRATE

NOTES:
1. ALL PLUMBING FIXTURES ARE TO BE SELECTED BY OWNER AND FURNISHED AND INSTALLED BY A LICENSED PLUMBING CONTRACTOR.
2. REFER TO ARCHITECTURAL DRAWINGS FOR ADDITIONAL PLUMBING FIXTURE SPECIFICATIONS.
3. DRAINS OUTLET SIZES VARY. REFER TO PLUMBING PLANS AND ISOMETRIC FOR DETAILED SIZING.

3 PLUMBING SCHEDULES
1/8" = 1'-0"

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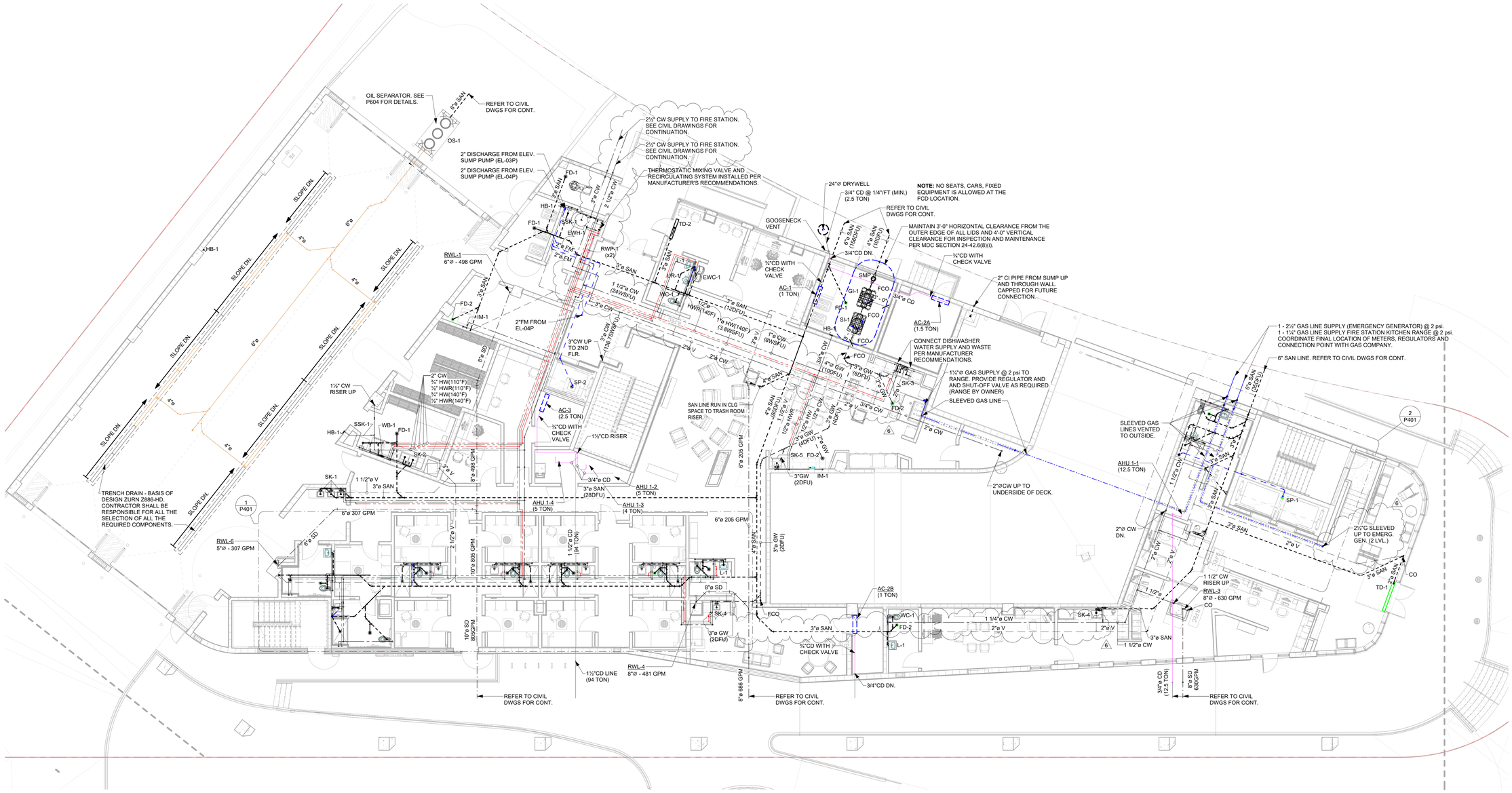
LEGEND, SCHEDULE AND NOTES

P101



1 LEVEL 1 - PLUMBING
1/8" = 1'-0"

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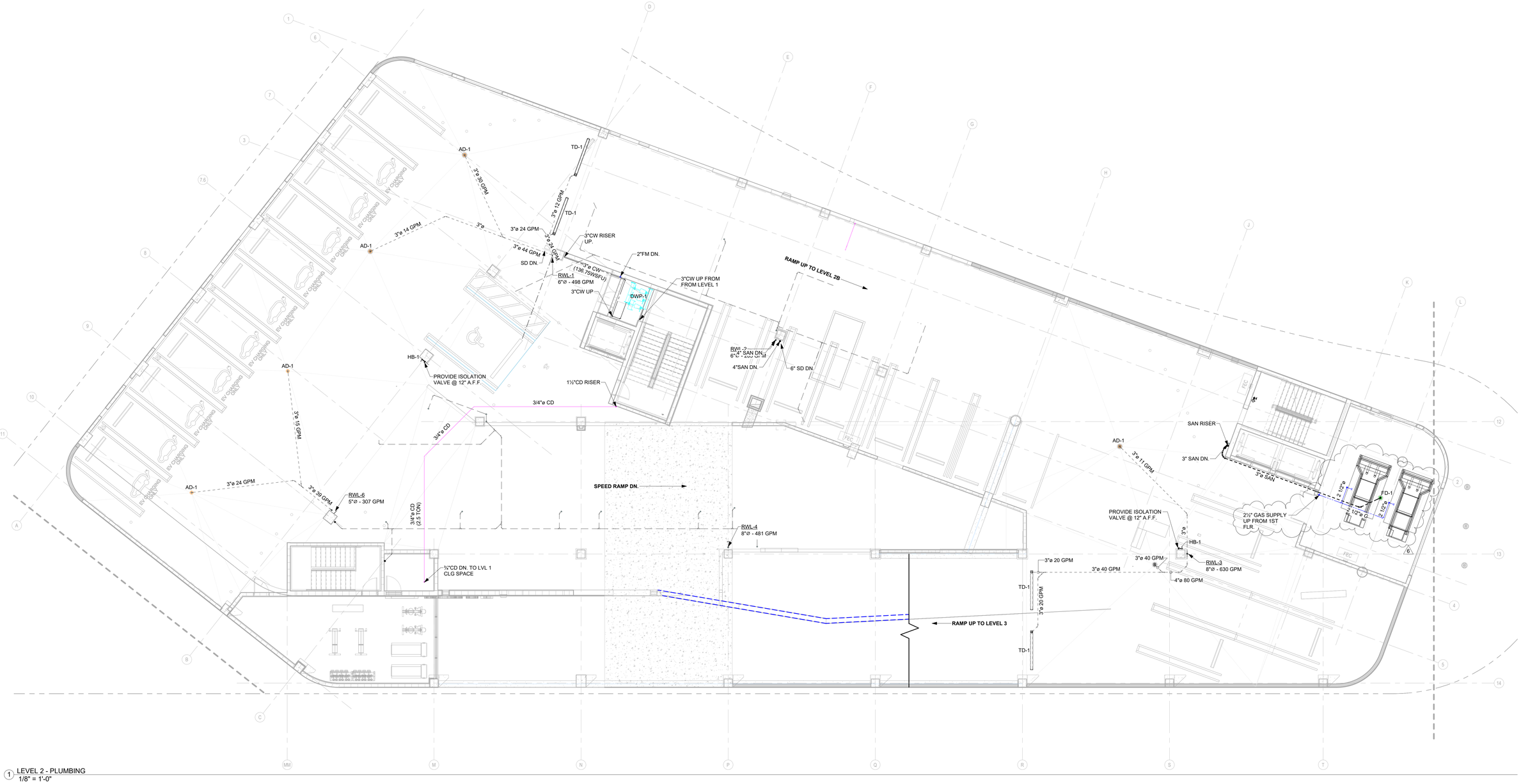
1	Revision 1	11/8/24
2	Revision 2	12/20/24
3	Revision 3	3/18/25
6	Revision 6	10/27/25

FIRST FLOOR PLUMBING PLAN

P301



1 LEVEL 2 - PLUMBING
1/8" = 1'-0"

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SECOND FLOOR PLUMBING PLAN

P302

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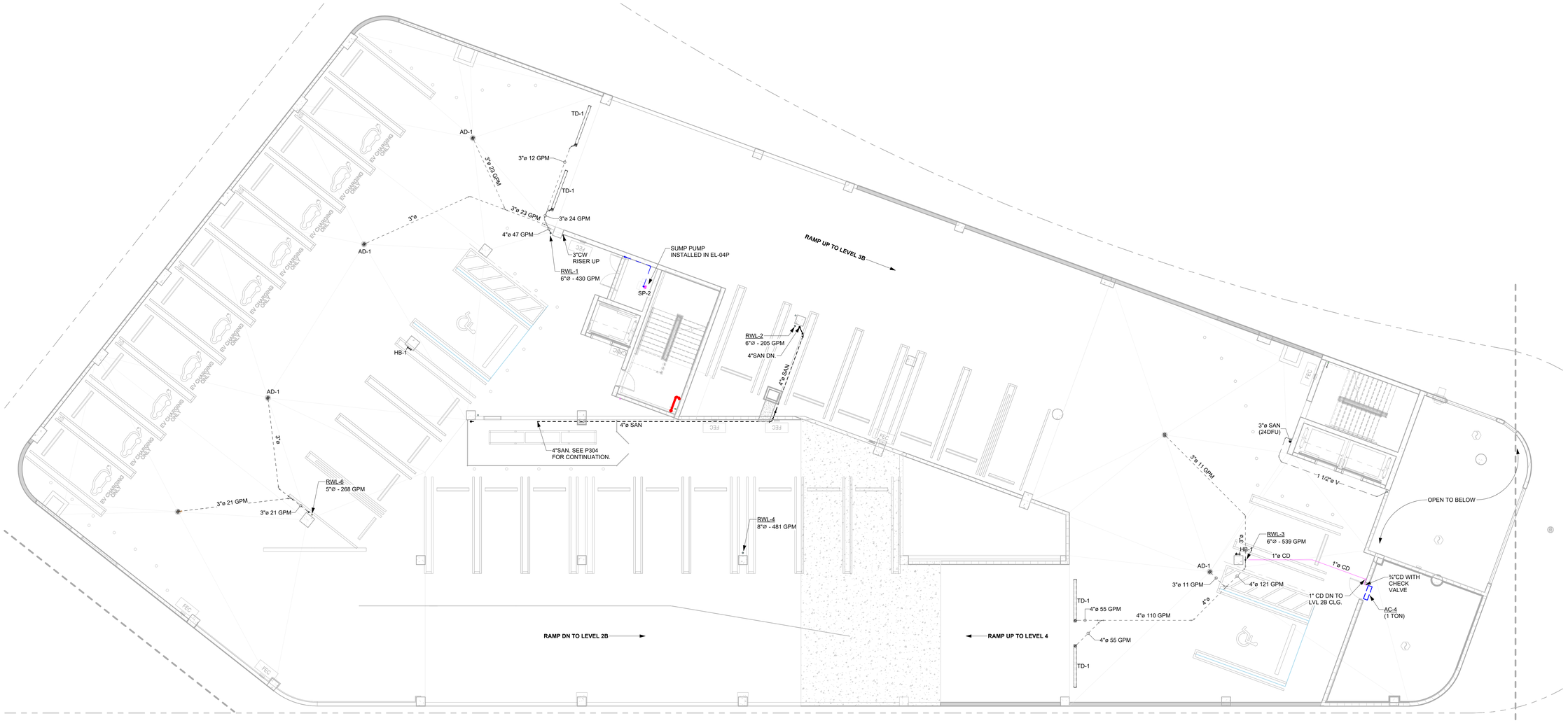

1 LEVEL 3 - PLUMBING
1/8" = 1'-0"

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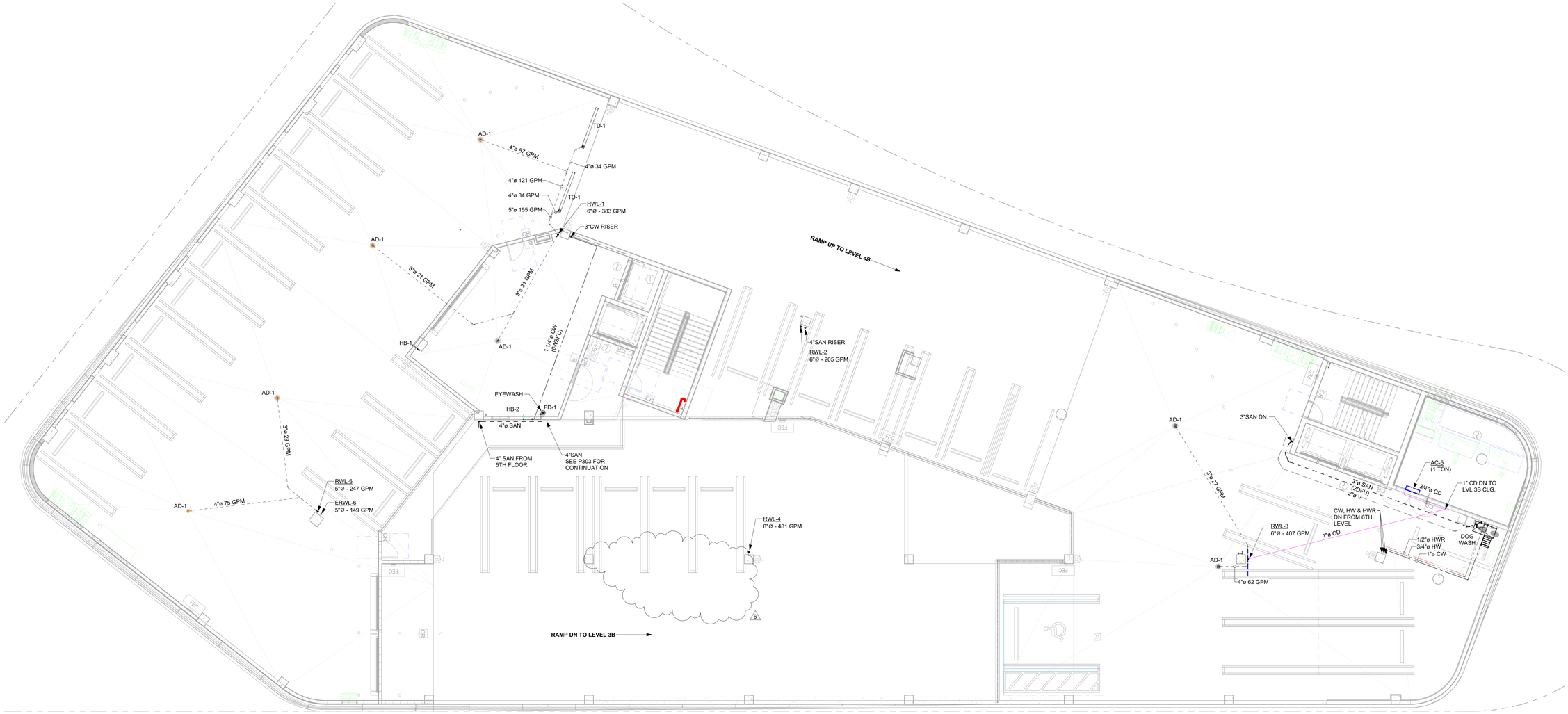
THIRD FLOOR PLUMBING PLAN

P303



1 LEVEL 4 - PLUMBING
1/8" = 1'-0"

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FOURTH FLOOR PLUMBING PLAN

P304



1 LEVEL 5 - PLUMBING
1/8" = 1'-0"

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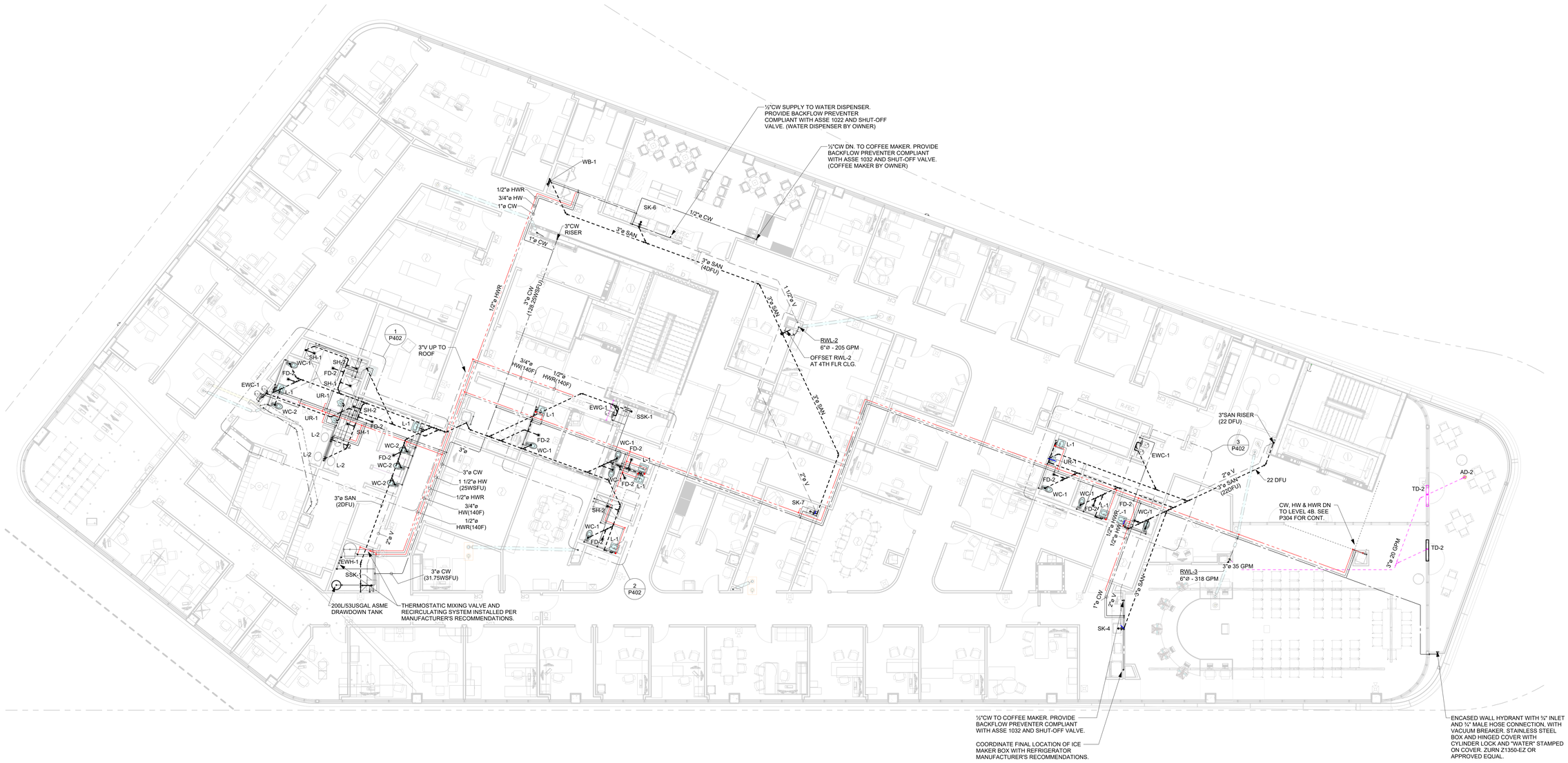
FIFTH FLOOR PLUMBING PLAN

P305



1 LEVEL 6 - PLUMBING
1/8" = 1'-0"

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2. PLAN REVISION
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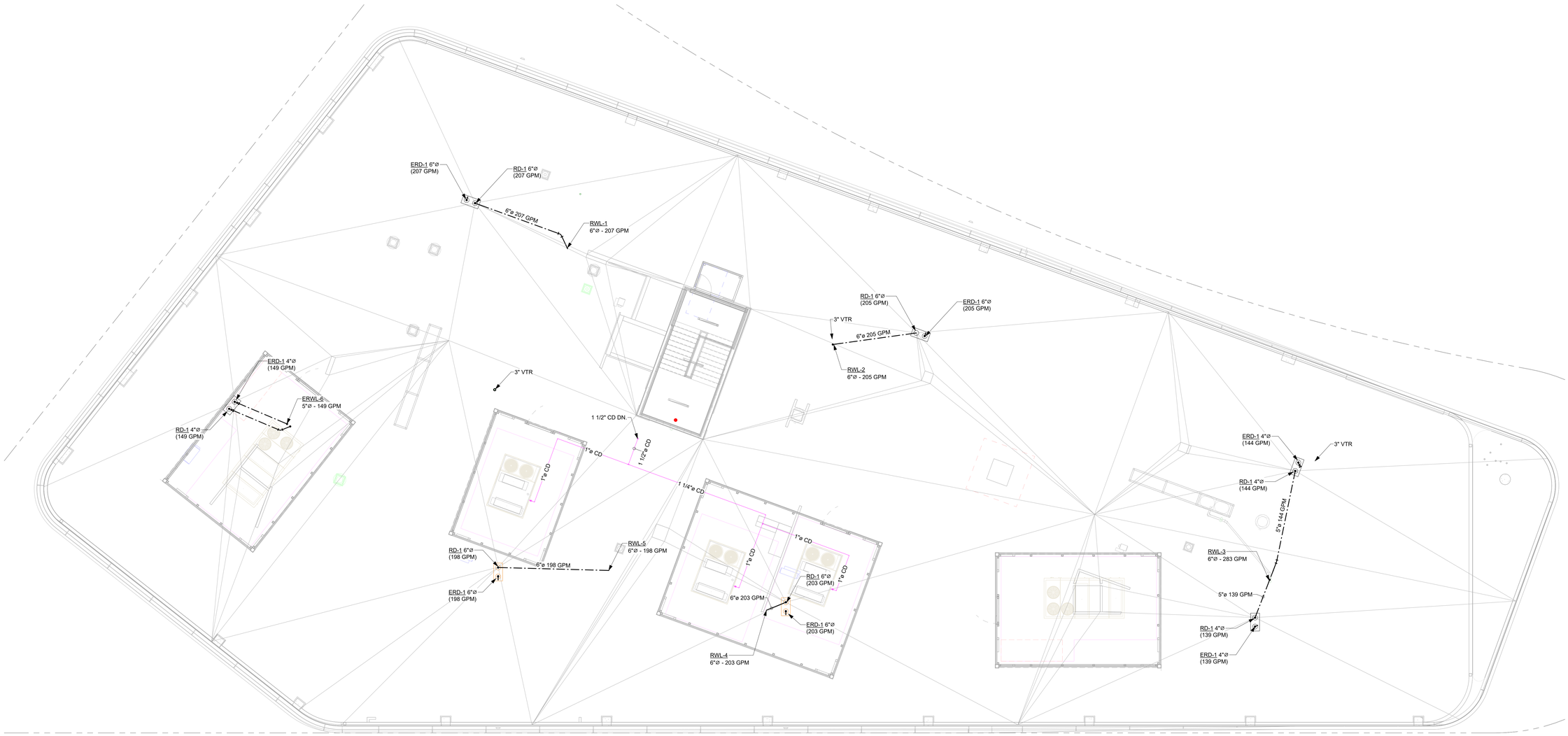
SIXTH FLOOR PLUMBING PLAN

P306



1 ROOF - PLUMBING
1/8" = 1'-0"

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2. PLAN REVISION
3. EMERGENCY ROOF DRAINS TO DOWNSPOUTS REMOVED

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ROOF - PLUMBING

P307

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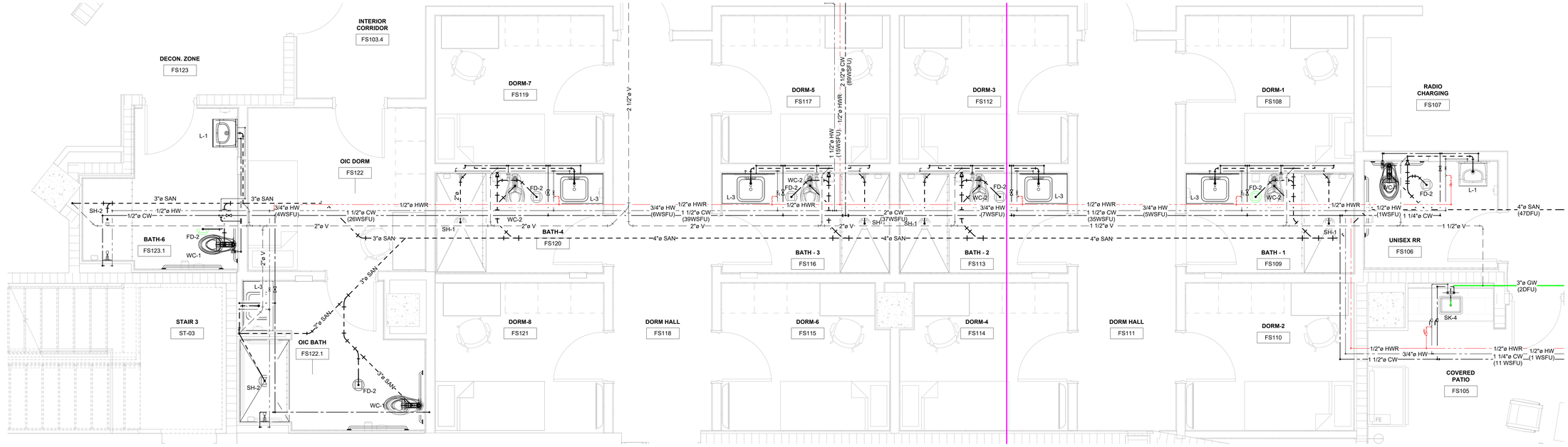
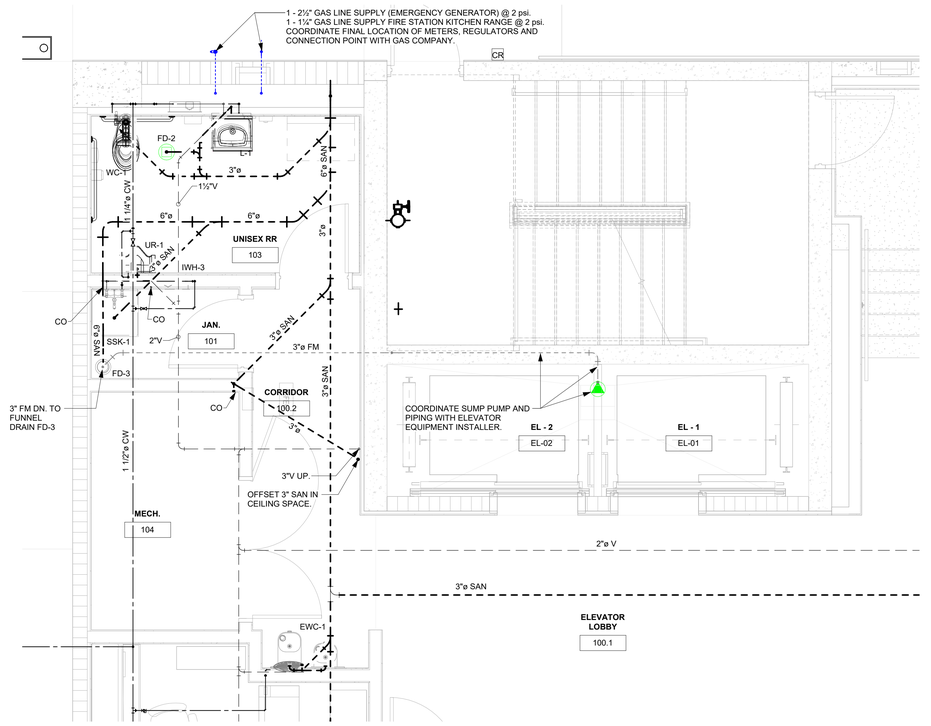


1 FIRE STATION DORMITORY BATHROOMS
3/8" = 1'-0"



2 VILLAGE HALL RESTROOM AND ELEVATOR LOBBY
3/8" = 1'-0"

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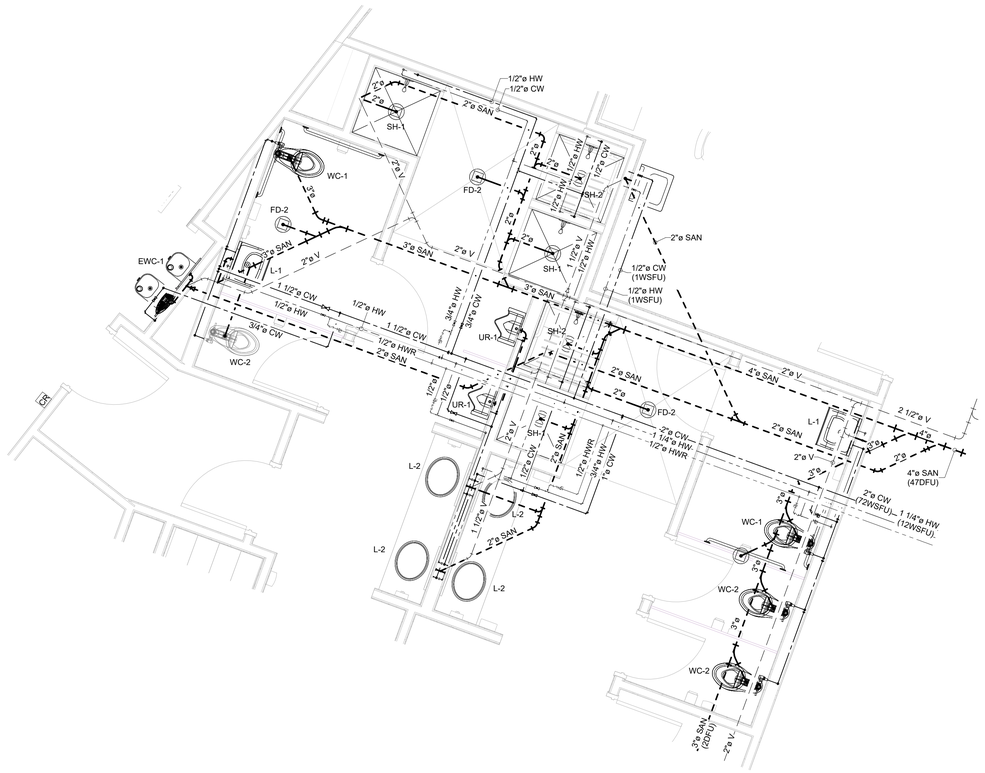
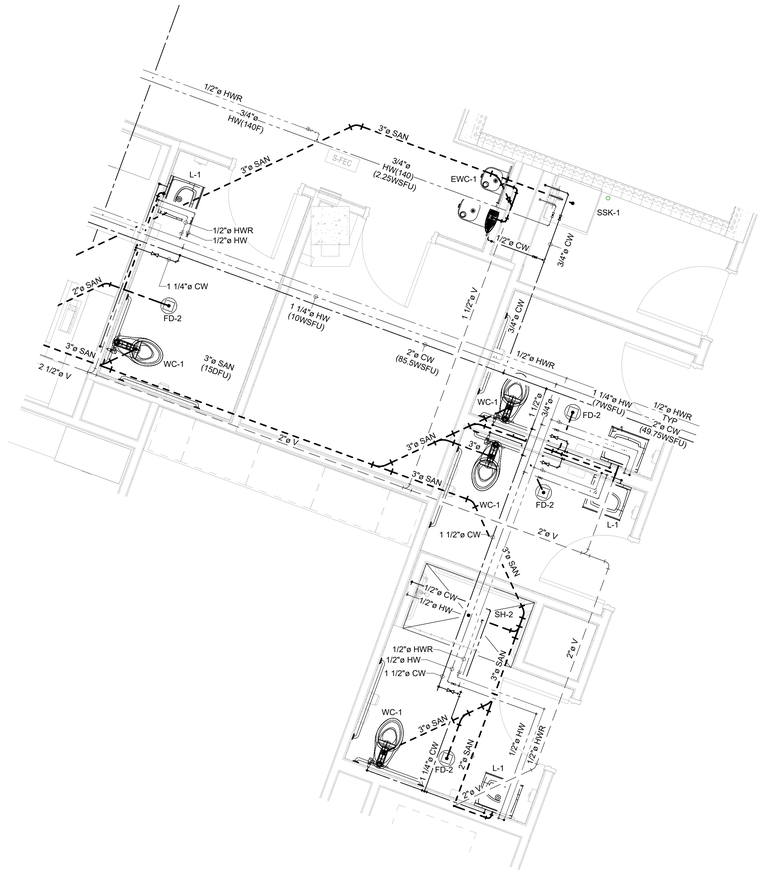
2	Revision 2	12/20/24

ENLARGED PLUMBING PLANS

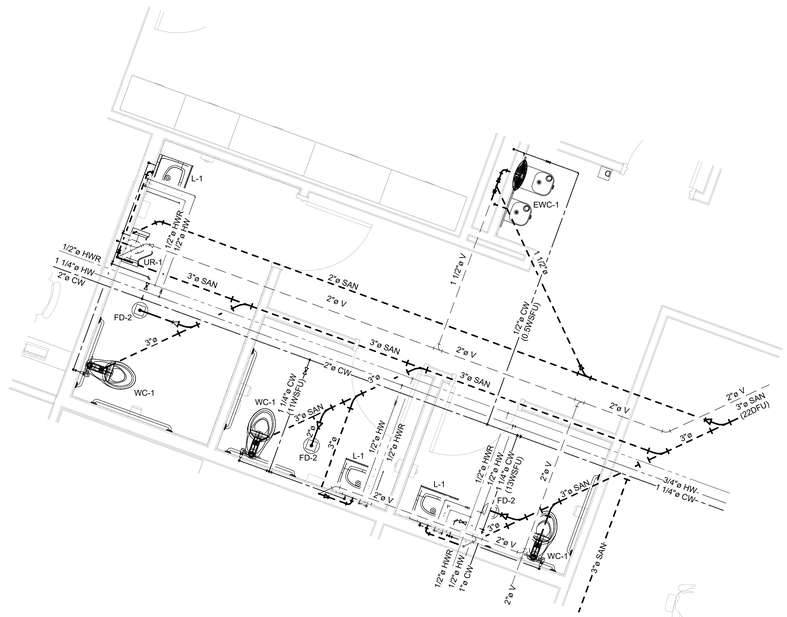
P401



1 POLICE DEPARTMENT LOCKER ROOMS
3/8" = 1'-0"



2 VILLAGE HALL RESTROOMS 1
3/8" = 1'-0"



3 VILLAGE HALL RESTROOMS 2
3/8" = 1'-0"

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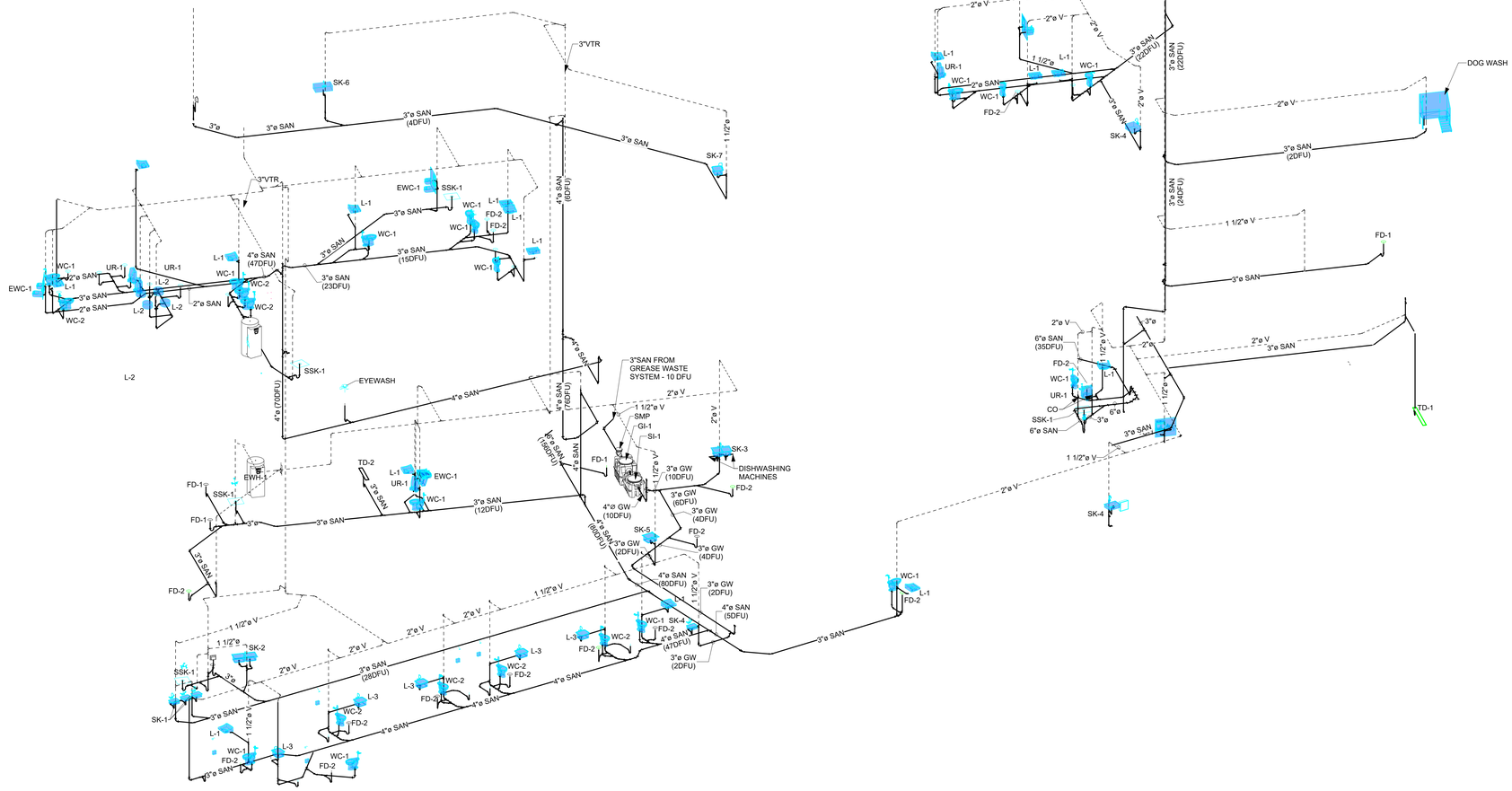
1	Revision 1	11/8/24

ENLARGED PLUMBING PLANS

P402

DRAINAGE FIXTURE UNITS		
ID	DESCRIPTION	LOAD
-	DISHWASING MACHINE	2
SK	SINK	2
L	LAVATORY	1
SSK	SERVICE SINK	2
SH	SHOWER	2
UR	URINAL (3/4" FV)	4
-	WASHING MACHINE	2
WC	WATER CLOSET	4



1 SANITARY RISER DIAGRAM

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1	Revision 1	11/8/24
2	Revision 2	12/20/24
3	Revision 3	3/18/25

SANITARY RISER DIAGRAM

P501

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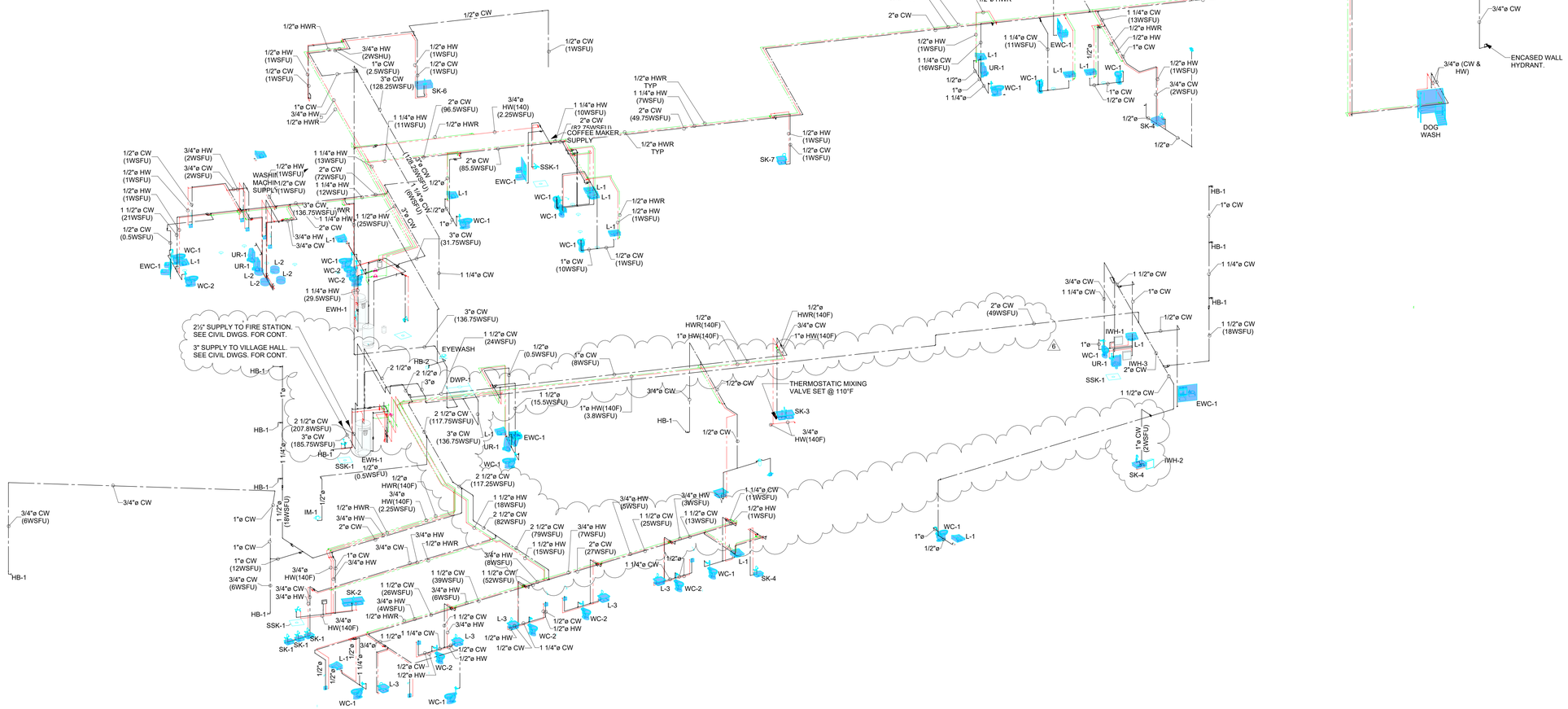
WATER SUPPLY FIXTURE UNITS

ID	DESCRIPTION	LOAD	
		CW	HW
-	DISHWASING MACHINE	-	1.4
SK	SINK	1.0	1.0
L	LAVATORY	0.5	0.5
SSK	SERVICE SINK	2.25	2.25
SH	SHOWER	1.0	1.0
UR	URINAL (3/4" FV)	5.0	-
-	WASHING MACHINE	1.0	1.0
WC	WATER CLOSET	10.0	-



1 DOMESTIC WATER RISER DIAGRAM

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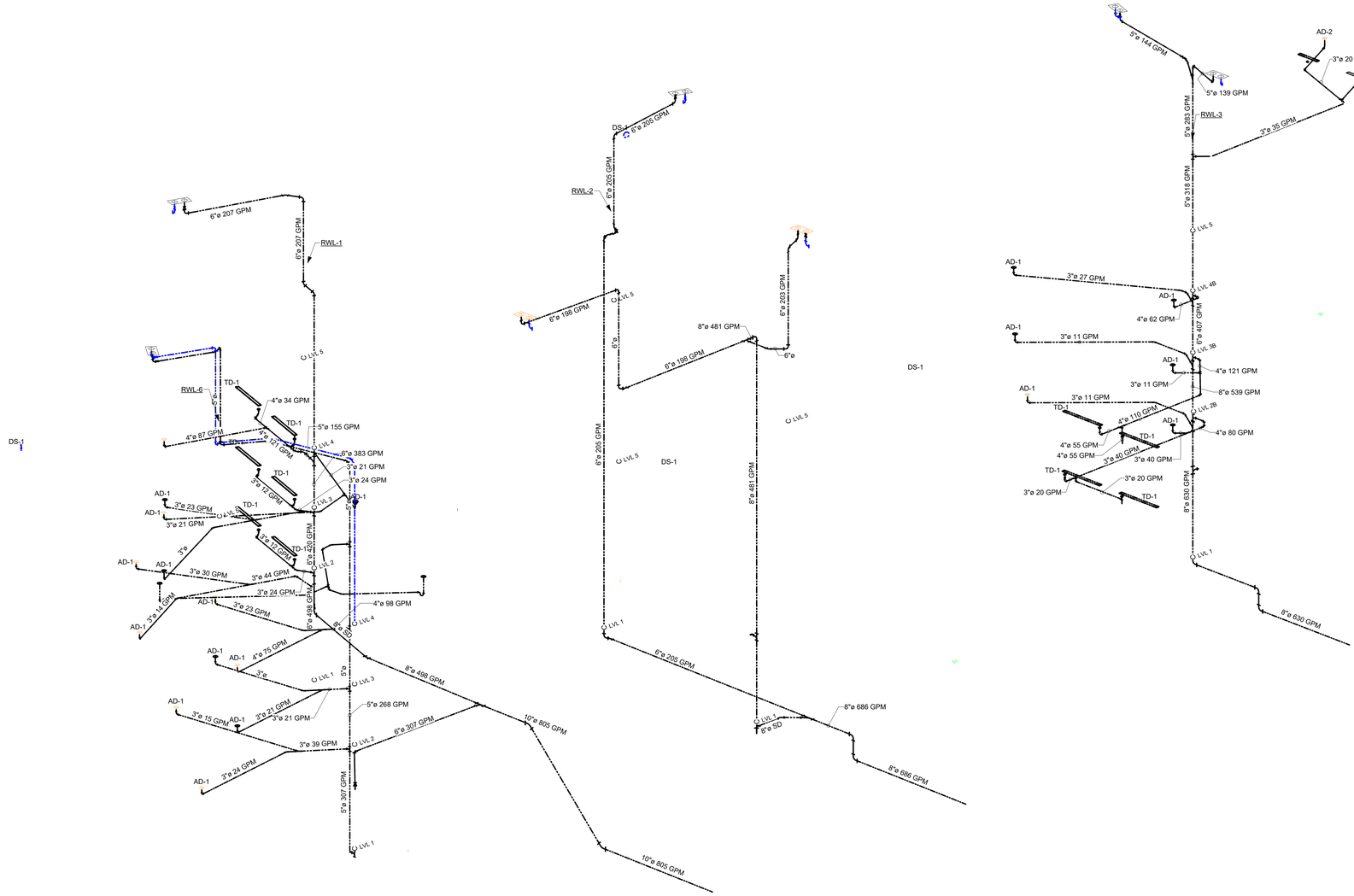
6	Revision 6	10/27/25

DOMESTIC WATER RISER DIAGRAM

P502



1 STORM WATER RISER DIAGRAM

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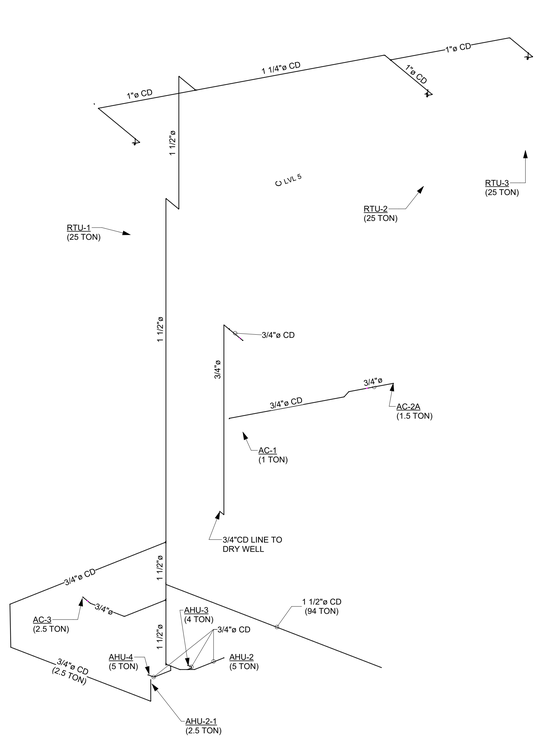
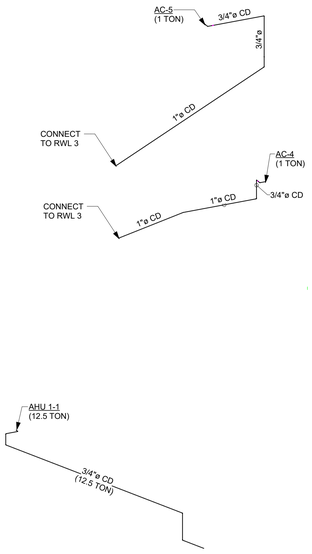


1 CONDENSATE RISER DIAGRAM



NATURAL GAS LOADS

DESCRIPTION	LOAD		GAS PIPE EQUIPMENT CONNECTION
	BTU	CFH	
OPEN-TOP BURNER RANGE W/ CONV. OVEN	145,000	132	1"
GENERATOR C500N6B	-	6,994	2 1/2"

6

KITCHEN

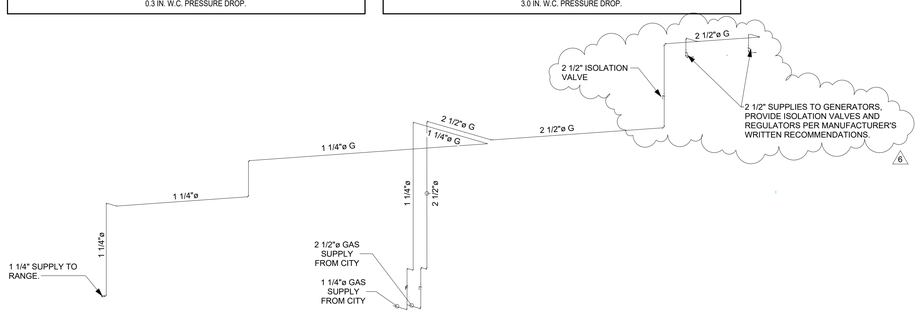
GAS LINE CALCULATIONS - STAGE 1	
LONGEST DISTANCE	124'
EQUIPMENT CONSUMPTION	148 CFH
SYSTEM SERVICE	1/2" PIPE INLET @ 2psi
GAS PIPE SIZING AS PER FBC(FG) TABLE 402.4(5) SCHEDULE 40 METALIC PIPE - 414 CFH @ LESS THAN 2psi INLET PRESSURE, AND 1.0 IN. W.C. PRESSURE DROP.	

GAS LINE CALCULATIONS - STAGE 2	
LONGEST DISTANCE	10'
EQUIPMENT CONSUMPTION	148 CFH
SYSTEM SERVICE	1" PIPE INLET @ 11" WC
GAS PIPE SIZING AS PER FBC(FG) TABLE 402.4(1) SCHEDULE 40 METALIC PIPE - 514 CFH @ LESS THAN 2psi INLET PRESSURE, AND 0.3 IN. W.C. PRESSURE DROP.	

GENERATOR

GAS LINE CALCULATIONS - STAGE 1	
LONGEST DISTANCE	100'
EQUIPMENT CONSUMPTION	13,988 CFH (6)
SYSTEM SERVICE	2-1/2" PIPE INLET @ 2psi
GAS PIPE SIZING AS PER FBC(FG) TABLE 402.4(5) SCHEDULE 40 METALIC PIPE - 16,100 CFH @ LESS THAN 2psi INLET PRESSURE, AND 1.0 IN. W.C. PRESSURE DROP.	

GAS LINE CALCULATIONS - STAGE 2	
LONGEST DISTANCE	10'
EQUIPMENT CONSUMPTION	13,988 CFH (6)
SYSTEM SERVICE	2 1/2"-PIPE INLET @ 17" WC
GAS PIPE SIZING AS PER FBC(FG) TABLE 402.4(3) SCHEDULE 40 METALIC PIPE - 16,900 CFH @ LESS THAN 2psi INLET PRESSURE, AND 3.0 IN. W.C. PRESSURE DROP.	



2 GAS RISER DIAGRAM

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GAS AND CONDENSATE RISER DIAGRAMS

P504

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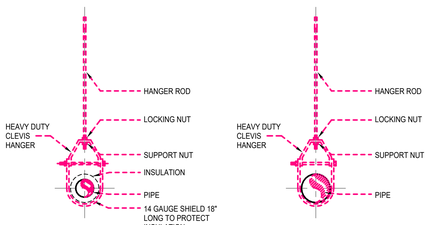
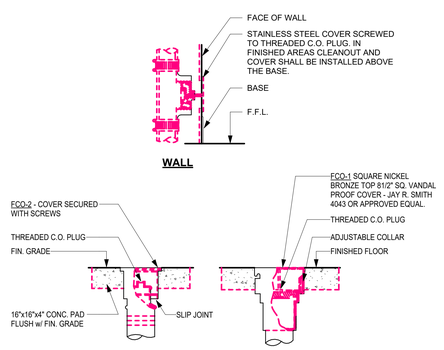


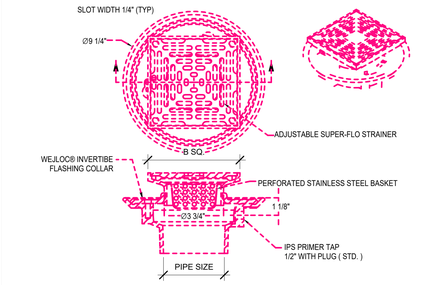
PIPE WITH INSULATION **PIPE WITHOUT INSULATION**

NOTE:
HANGERS FOR BARE COPPER PIPING SHALL BE PLASTIC COATED.

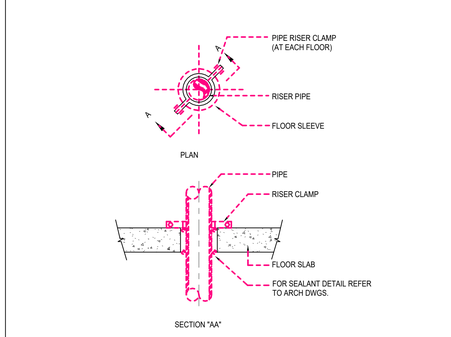
1 P601 PIPE HANGERS CLEVIS TYPE
SCALE: N.T.S.



2 P601 TYPICAL CLEANOUT DETAIL
SCALE: N.T.S.



3 P601 TYPICAL FLOOR DRAIN DETAIL
SCALE: N.T.S.



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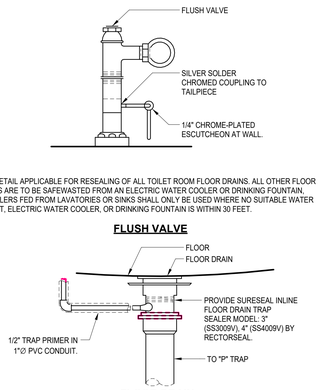
4 P601 PIPE RISER CLAMP DETAIL
SCALE: N.T.S.



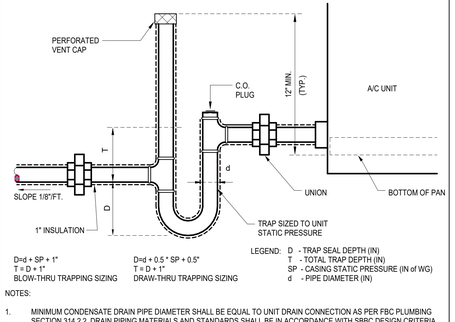
NOTE:

THIS DETAIL APPLICABLE FOR RESEALING OF ALL TOILET ROOM FLOOR DRAINS. ALL OTHER FLOOR DRAINS ARE TO BE SAFEWASTED FROM AN ELECTRIC WATER COOLER OR DRINKING FOUNTAIN. RESEALERS FED FROM LAVATORIES OR SINKS SHALL ONLY BE USED WHERE NO SUITABLE WATER CLOSET, ELECTRIC WATER COOLER, OR DRINKING FOUNTAIN IS WITHIN 30 FEET.

FLUSH VALVE

FLOOR DRAIN

5 P601 TRAP PRIMER AND RESEAL DETAIL
SCALE: N.T.S.



D=d + SP + 1"
T = D + 1"
BLOW-THRU TRAPPING SIZING

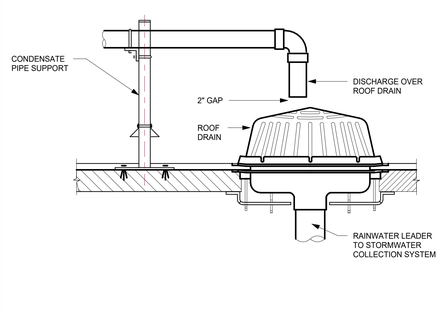
D=d + 0.5 * SP + 0.5"
T = D + 1"
DRAW-THRU TRAPPING SIZING

LEGEND: D - TRAP SEAL DEPTH (IN)
T - TOTAL TRAP DEPTH (IN)
SP - CASING STATIC PRESSURE (IN of WG)
d - PIPE DIAMETER (IN)

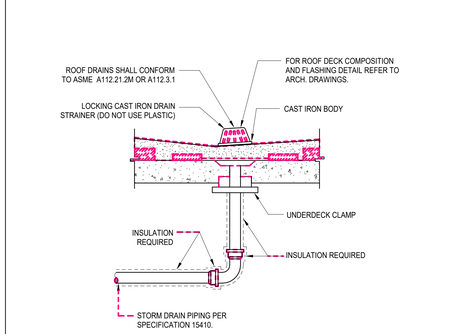
NOTES:

1. MINIMUM CONDENSATE DRAIN PIPE DIAMETER SHALL BE EQUAL TO UNIT DRAIN CONNECTION AS PER FBC PLUMBING SECTION 314.2.2. DRAIN PIPING MATERIALS AND STANDARDS SHALL BE IN ACCORDANCE WITH SBBC DESIGN CRITERIA. SEE PLAN FOR PIPE SIZES.
2. ALL DIMENSION SHOWN ARE THE MINIMUM REQUIRED. CONTRACTOR SHALL VERIFY MANUFACTURER RECOMMENDATIONS AND IMPLEMENT THE SIZES THAT RESULT IN A DEEPER SEALED TRAP.
3. AUXILIARY AND SECONDARY DRAIN SYSTEMS SHALL COMPLY WITH F.M.C. SECTION 307.2.3. AN APPROVED WATER LEVEL DETECTOR OR FLOAT SWITCH TO SHUT DOWN THE UNIT MAY BE INSTALLED AS PER F.M.C. 307.2.3.
4. PRIMARY DRAIN WITHIN UNCONDITIONED AREAS SHALL BE INSULATED.

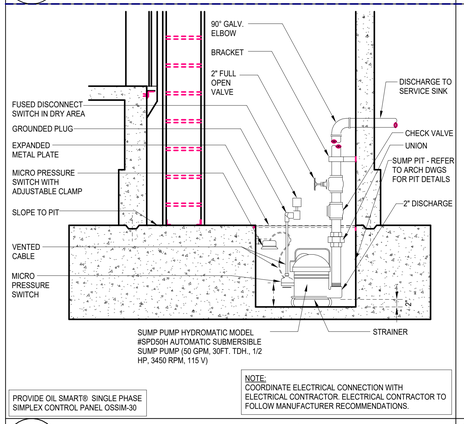
6 P601 CONDENSATE TRAP DETAIL
SCALE: N.T.S.



7 P601 CONDENSATE DISCHARGE AT ROOF DRAIN DTL.
SCALE: N.T.S.



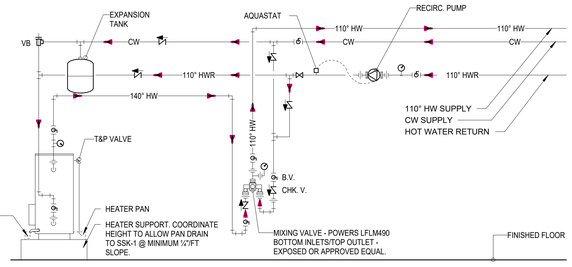
8 P601 ROOF DRAIN & PIPE DETAIL
SCALE: N.T.S.



PROVIDE OIL SMART® SINGLE PHASE SIMPLEX CONTROL PANEL OSSIM-30

NOTE:
COORDINATE ELECTRICAL CONNECTION WITH ELECTRICAL CONTRACTOR. ELECTRICAL CONTRACTOR TO FOLLOW MANUFACTURER RECOMMENDATIONS.

9 P601 ELEVATOR SUMP PUMP DETAIL
SCALE: N.T.S.



10 P601 WATER HEATER SCHEMATIC
SCALE: N.T.S.

1 PLUMBING DETAILS
12" = 1'-0"

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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AA002416 EB 002354

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MARIO H. GUTIERREZ LICENSE No.19687 STATE OF FLORIDA PROFESSIONAL ENGINEER

MARIO H. GUTIERREZ, PE.
MECHANICAL ENGINEER
FL. REG. NO. 19687
This item has been digitally signed & sealed by Mario H. Gutierrez, PE. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

NORTH BAY VILLAGE SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79TH CAUSEWAY
NORTH BAY VILLAGE, FL 33141

10/28/2025 12:25:41 PM

Project Number
22303.0

DISTRIBUTION
08/01/2024

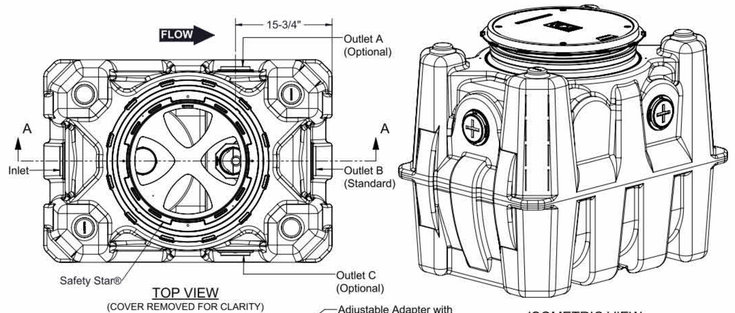
REV	DESCRIPTION	DATE

PLUMBING DETAILS

P601

SPECIFICATIONS

Notes:
1. 4" FPT inlet/outlet with 4" plain end adapters, single inlet and triple outlet.
2. Unit weight - w/ composite cover: 153 lbs. (For wet weight add 1,043 lbs.)
3. Maximum operating temperature: 150º F continuous
4. Capacities - Liquid: 125 gal.
   Grease: 730 lbs. (100 gal.) @50 GPM
   Solids: 0 gal.
5. Satisfies Miami DERM 99% efficiency requirements; retaining 623.4 lbs. of grease at 99.0% efficiency.
6. For gravity drainage applications only.
7. Do not use for pressure applications.
8. Cover placement allows full access to tank for proper maintenance.
9. Vent not required unless per local code.
10. Engineered inlet and outlet diffusers with inspection ports are removable to inspect / clean piping.
11. Integral air relief / Anti-siphon / Sampling access.
12. Adjustable cover adapter provides up to 4" of additional height.
13. Designed for below-grade, above-grade, indoor or outdoor installations.
14. Safety Star®, access restrictor built into cover adapter, prevents accidental entry to tank (450 lb rating).



TOP VIEW
(COVER REMOVED FOR CLARITY)

ISOMETRIC VIEW

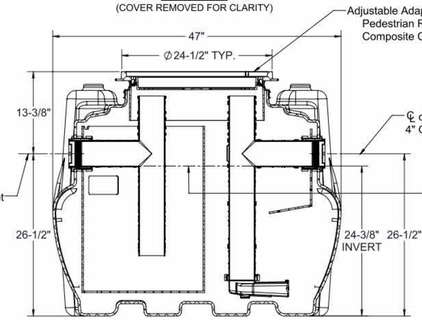
ENGINEER SPECIFICATION GUIDE

Schier Great Basin™ grease interceptor model # GB-75-B shall be lifetime guaranteed and made in USA of seamless, rotationally-molded polyethylene with minimum 3/8" uniform wall thickness. Interceptor shall be furnished for above or below-grade installation with adjustable cover adapter, Safety Star® access restrictor built into each cover adapter, and three outlet options. Interceptor shall be certified to ASME A112.14.3 (Type D) and CSA B481.1. Interceptor flow rate shall be 50 GPM. Interceptor grease capacity shall be 730 lbs. Cover shall provide water/gas-tight seal and have minimum 2,000 lbs. load capacity.

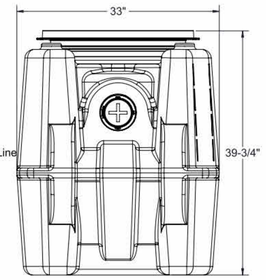
CERTIFIED PERFORMANCE

Great Basin™ hydromechanical grease interceptors are third party performance-tested and listed by IAPMO to ASME #A112.14.3 and CSA B481.1 grease interceptor standards and greatly exceed requirements for grease separation and storage. They are compliant to the Uniform Plumbing Code and the International Plumbing Code.

Type D certification does not require a flow control



SECTION A-A



END VIEW

MIAMI-DADE COUNTY — Satisfies Miami DERM 99% efficiency requirements. Product labels are permanently attached to inside and outside of unit for easy viewing.

SPECIFICATION SHEET

MODEL NUMBER: GB-75-B

PART NUMBER: 4045-041-01

DESCRIPTION: GB-75-B GREASE INTERCEPTOR 50 GPM, 4" INLET/OUTLET, PEDESTRIAN RATED COMPOSITE COVER

DWG BY: C. BUSENITZ **DATE:** 4/14/2022 **REV:** A **ECO:** BB - 12/5/22

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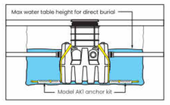
schierproducts.com

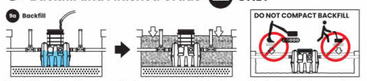
8 Install Anti-Flotation Anchor Kit — ONLY



If the installation location is in a high water table or at risk area (including but not limited to tidal surge areas, floodplains and areas that receive storm water) the GB-75-B must be installed with Schier model AKI anchor kit.

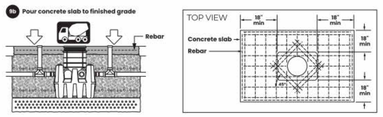
9 Backfill and Finished Grade — ONLY

9a Backfill



Fill unit with water for stabilization and float-out prevention. Backfill evenly around tank using crushed aggregate (approximately 3/4" size rock or sand with no fines)or flowable fill. **Do not compact backfill around unit.**

9b Pour concrete slab to finished grade

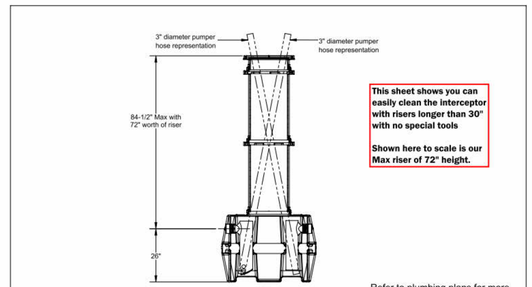


Vehicular Traffic Areas:
Minimum 8" thick concrete slab with rebar required. Thickness of concrete around covers to be determined by specifying engineer. If traffic loading is required the concrete slab dimensions shown are for guideline purposes only. Concrete to be 28 day compressive strength to 4,000 PSI. Use No. 4 rebar (½") grade 60 steel per ASTM A615, connected with tie wire. Rebar to be 2-½" from edge of concrete and spaced in a 12" grid with 4' spacing around access openings.

Pedestrian Traffic or Greenspace Areas:
Minimum 4" thick concrete slab with rebar required.

"GB-75-B" (50 gpm)	Grease Interceptor				INCREMENTAL				ACCUMULATED			
Test No.	Grease Sink	Water Sink	Drop Time (sec)	Flow Rate (GPM)	Lbs added	Lbs skimmed	Lbs retained	Efficiency (%)	Lbs added	Lbs skimmed	Lbs retained	Efficiency (%)
58	2	1	113	50.4	10	0.16	9.84	98.4	580	5.65	574.35	99.0
59	1	2	110	51.8	10	0.16	9.84	98.4	590	5.81	584.19	99.0
60	2	1	110	51.8	10	0.18	9.82	98.2	600	5.99	594.01	99.0
61	1	2	110	51.8	10	0.18	9.82	98.2	610	6.17	603.83	99.0
62	2	1	111	51.4	10	0.22	9.78	97.8	620	6.39	613.61	99.0
63	1	2	111	51.4	10	0.20	9.80	98.0	630	6.59	623.41	99.0
64	2	1	112	50.9	10	0.18	9.82	98.2	640	6.77	633.23	98.9
65	1	2	112	50.9	10	0.17	9.83	98.3	650	6.94	643.06	98.9
66	2	1	109	52.3	10	0.15	9.85	98.5	660	7.09	652.91	98.9
67	1	2	112	50.9	10	0.20	9.80	98.0	670	7.29	662.71	98.9
68	2	1	112	50.9	10	0.21	9.79	97.9	680	7.50	672.50	98.9
69	1	2	109	52.3	10	0.19	9.81	98.1	690	7.69	682.31	98.9
70	2	1	112	50.9	10	0.25	9.75	97.5	700	7.94	692.06	98.9
71	1	2	110	51.8	10	0.25	9.75	97.5	710	8.19	701.81	98.8
72	2	1	110	51.8	10	0.28	9.72	97.2	720	8.47	711.53	98.8
73	1	2	113	50.4	10	0.49	9.51	95.1	730	8.96	721.04	98.8
74	2	1	111	51.4	10	0.92	9.08	90.8	740	9.88	730.12	98.7
75	1	2	111	51.4	10	2.96	7.04	70.4	750	12.84	737.16	98.3
76	2	1	109	52.3	10	4.96	5.04	50.4	760	17.80	742.20	97.7

Performance Rating



This sheet shows you can easily clean the interceptor with risers longer than 30" with no special tools

Shown here to scale is our Max riser of 72" height.

Refer to plumbing plans for more specifics details

DETAIL NUMBER: 900-0162

DESCRIPTION: DETAIL OF A GB-75-B WITH 72" EXTENSION TO SHOW PUMPER HAS ACCESS TO ENTIRE TANK DURING PUMP OUT

SHEET: 1 OF 1

DWG BY: TEU **DATE:** **REV:** – – **ECO:**

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SPECIFICATION

C24BC 24" Bolted Composite Cover

For use with grease interceptor models GB-50, GB-75, GB-250, GB-500, GB-1000, GB-1500, GGI-750 and GGI-2000; solids interceptor models SI-50, SI-75, SI-250 and SI-500; and sampling port models SV24 and SV24-O





Notes
1. Maximum Cover load: 2,000 lbs. with safety factor of 2.0
2. Bolted cover with gasket, protects agents surface water infiltration and internal gas release
3. Cover material: Glass reinforced polymer
4. Total weight ~ 17 pounds
5. Part Color = Black

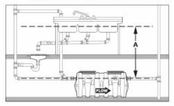
Engineer Specification Guide:
Cover shall be bolted with stainless steel hardware and sealed with a gasket. Cover shall hold a maximum load of 2,000 lbs. with a safety factor of 2.5.

Contents

Specifications 1
Special Precautions 2-3

SCHIER — MODEL NUMBER: C24BC — DESCRIPTION: 24" Bolted Composite Cover — PART #: 9500-099-01 — DATE: 07/01/2023 — REV: — ECN: —
LIFETIME GUARANTEED GREASE INTERCEPTORS — 6455 Woodland Dr. | Shawnee, KS 66218 | 913-951-3300 | schierproducts.com — © Copyright 2023 Schier

4 Install Inlet Diffuser Components



This unit is supplied with additional components for use in high flow/ increased head pressure conditions.
- If dimension "A" is 13 feet or less, no additional components are needed, **go to Step 5, Connect Piping**
- If dimension "A" is more than 13 feet, or a high flow/increased head pressure condition exists, **follow Steps below.**

4a **Install inlet diffuser cover (white)**



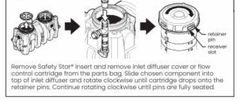
This unit is certified to ASME A112.14.3 (Type D) and CSA B481.1 and does not require flow control. This inlet diffuser cover is provided to prevent the unit from swamping if it has head pressure.

This white cap can be used with models GB-75-B, GB-250-B, GB-500-B, GB-1000 new style, GB1000-B Old style

These models do not use a flow control, this is just a white cap that is needed if the pipe has head pressure which it typically does not in a real world application. during testing it does, but only because of the way the test is performed.

4b **Install chosen component**

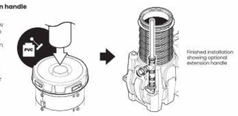
Any Unit with 4" Diffusers



Remove Safety Star® insert and remove inlet diffuser cover or flow control cartridge from the parts bag. Slide chosen component into top of inlet diffuser and rotate clockwise until cartridge drops onto the retainer pins. Continue rotating clockwise until pins are fully seated.

4c **OPTIONAL: Install extension handle**

For easy inlet diffuser cover or flow control cartridge removal in deep burial installations, 1-½" PVC SCH. 40 pipe may used as an extension handle. Before risers have been installed, cut pipe to length and glue to cover using PVC cleaner, primer/cement. Extension handle length should be about ½" shorter than total riser height.



SPECIAL PRECAUTIONS

For Schier Grease Interceptor Installations – Failure to follow this guidance voids your warranty

WARNING! DO NOT AIR TEST UNIT OR RISER SYSTEM! Doing so may result in property damage, personal injury or death.

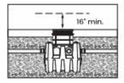
CAUTION! Do not install this unit in any manner except as described in these instructions.

Installation Instructions
Installation instructions and additional components are included with the interceptor. Read all instructions prior to installation. This interceptor is intended to be installed by a licensed plumber in conformance with all local codes.



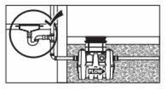
Install interceptor as close as possible to fixtures being served

Provide at least 16" clearance above unit for routine maintenance.

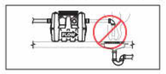


High Temperature Kitchen Water
If water is entering the interceptor at excessive temperature (over 150° F), a drain water tempering valve (DTV) and approved backflow prevention assembly must be installed. Most state and local plumbing codes prohibit water above 150° F being discharged into the sanitary sewer. Water above 150° F will weaken or deform PVC Schedule 40 pipe, poly drainage fixtures like interceptors and erode the coating of cast iron (leading to eventual failure).

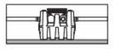
ODOR ALERT!
Interceptor is not a sewer gas trap. All upstream fixtures must be trapped



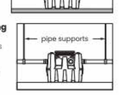
ODOR ALERT!
Do not install air gap on outlet side of interceptor.



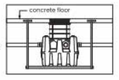
Fully Support Base of Unit
Install unit on solid, level surface in contract with the entire footprint of unit base



Support Inlet and Outlet Piping
For above grade installations ensure heavy inlet and outlet piping (such as cast iron or long runs) is properly supported or suspended during the entire installation process to prevent connection failure or damage to bulkhead fittings.



Suspended Installations
Design trapeze to support the wet weight of the unit. Do not partially support unit or suspend unit using metal U-channel to create a trapeze.



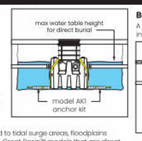
DO NOT USE CAST IRON COVERS IN ABOVE GRADE OR INDOOR INSTALLATIONS
Use composite cover C24BC for above grade installations



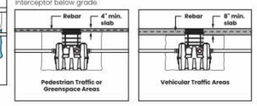
SPECIAL PRECAUTIONS

For Schier Grease Interceptor Installations – Failure to follow this guidance voids your warranty

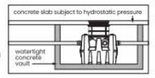
High Water Table Installations interceptors and risers are not designed to withstand water table height in excess of the top of the unit when buried (see figure). If it is possible for this to occur, install the interceptor and risers in a water-tight concrete vault or backfill with concrete or flowable fill (wet concrete and flowable backfill should be poured in stages to avoid crushing the interceptor). At risk areas include but are not limited to tidal surge areas, floodplains and areas that receive storm water. Great Basin™ models that are direct buried in high water table scenarios must be installed with an anchor kit. Model GB-75 uses model AKI anchor kit.



Below Grade Installation Slab Requirements
A concrete slab to finished grade with rebar is required when installing interceptor below grade.



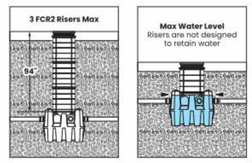
Hydrostatic/ Pressure Slabs
When installed under a hydrostatic slab (slab designed to withstand upward lift, usually caused by hydrostatic pressure) interceptor must be enclosed in a watertight concrete vault.



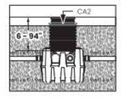
DO NOT COMPACT BACKFILL MECHANICALLY
Compact by hand only



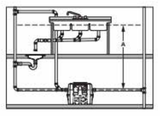
Installations with Risers



Corrugated Riser Pipe Requirements
Riser adapter model CA2 must be used when installing interceptors using 24" diameter corrugated pipe as a riser. This will adequately embed the cover adapter in the concrete slab, preventing cover/cover adapture failure under traffic rated loads.

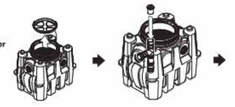


4 Install Inlet Diffuser Components



This unit is supplied with a white inlet diffuser cover to prevent the unit from swamping in high flow/ increased head pressure conditions.
- If dimension "A" is 13 feet or less, the inlet diffuser cover is not needed, **go to Step 5, Connect Piping**
- If dimension "A" is more than 13 feet, or a high flow/increased head pressure condition exists, **follow Steps below.**

4a **Install inlet diffuser cover**



RER-DERM Summary Block
Hydromechanical FOG Control Device (H-FCD)

Required Information	Tank No. 1	Tank No. 2	Tank No. 3	Tank No. 4
Capacity (gpm)	50 GPM			
FOG Load Capacity (lbs) at 99% Efficiency	623			
Manufacturer	Schier			
Model No.	GB-75-B			
3rd Party Certifier (i.e., PDI, CSA, ASME)	ASME A112.14.3			
Interceptor Monitoring Alarm Model No.	N/A			
Interceptor Monitoring Device Model No.	N/A			
Solid Separator manufacturer and model	Schier Si-50			
Sampling port manufacturer and model	Schier SV10			

Updated: 9/8/2022

The FCD, and associated appurtenances on FOG-approved stamped sheets in this set must be installed on site. Equivalent or similar equipment is not accepted by this Division. Should the FOG-approved plan sheets be voided and/or revised, they shall be submitted to the Building Department, and DERM-Grease accordingly for approval.
ALL EQUIPMENT LABELS MUST VISIBLE AT THE TIME OF THE DERM/BUILDING INSPECTION, AND REMAIN VISIBLE THEREAFTER

Grease interceptor Calculation
Per Florida Plumbing Code Section 1003.3.5, In accordance with PDI G101 Sec 8.3.1 Sized by pipe size, Based on Manning's, Pipe diameter, and 1/8" slope

Mario Rubines
786-295-1114
Mrubines@bellsouth.net

SCHIER GREASE INTERCEPTORS

Step 1. Flow

Pipe Size	Minimum Slope	GPM*1 Peak Flow	Minimum Flow (per Ch.24-42.6) PDI-G101 8.4	Max DFUs	Actual DFU	GPM Based on DFU
3"	1/8" per Ft	46	23	36	10	13
4"	1/8" per Ft	100	50	180	10	6

High Grease	P 0.0455 lbs. / meal (with flatware)	Full-fare family, fast-food hamburger, hamburger bar and grill, German, Italian, fast-food Mexican	

Seats x Turns = MPD x GPPM x POF = Grease Capacity needed in Lbs.

Step 2. POF

Number of Fire Fighters	Meals Per Fire Fighter	Meals Per Day	GREASE PRODUCTION (lbs.) Per Meal	POF in Days	Grease Capacity Needed in Lbs.	Description
30	4	120	0.0455	90	491	Indoor Dining
		Total Grease Capacity Needed			**491**	

Schier interceptors Meet the DERM 99% Efficiency	Model	Qty	GPM	Grease Capacity in Lbs.	
ASME A112.14.3	**GB-75-B**	**1**	**50**	**623**	**99% Efficiency**

MARIO H. GUTIERREZ
LICENSE No.19687
STATE OF FLORIDA
PROFESSIONAL ENGINEER

MARIO H. GUTIERREZ, PE.
MECHANICAL ENGINEER
FL. REG. NO. 19687
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NORTH BAY VILLAGE SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79TH CAUSEWAY
NORTH BAY VILLAGE, FL 33141

10/28/2025 12:25:43 PM

Project Number
22303.0

DISTRIBUTION

08/01/2024

REV	DESCRIPTION	DATE
1	Revision 1	11/8/24
2	Revision 2	12/20/24
3	Revision 3	3/18/25

PLUMBING DETAILS 2

TEST REPORT

IAPMO R&T LAB

5001 East Philadelphia Street
Ontario, California - USA 91761-2816
Ph: 909.472.4100 I Fax: 909.472.4243
http://www.iapmort.org

Report Number: 1757-20030 **Project Number:** 34418

Report Issued: August 12th, 2020

Client: Schier Products
9500 Woodend Rd.
Edwardsville, KS 66111 **Contact:** Charlie Ismert

Source of Samples: Samples were manufactured at the client's facility in Edwardsville, KS. The sample was witnessed tested by Dale E. Holloway of IAPMO R&T Lab. Samples are manufactured in good condition.

Date of Testing: August 10th, 2020 through August 12th, 2020

Sample Description: HDPE Grease Interceptor.

Model: **GB-75-B (50 gpm)**

Refer to the manufacturer's drawings and installation instructions for more detailed measurements and information.

Scope of Testing: The above grease interceptor was witnessed tested to meet the requirements of ASME A112.14.3-2018 "Hydromechanical Grease Interceptors", and CSA B481.0 and B481.1-12 "Grease Interceptors".

Conclusion: **The GB-75-B (50 gpm) Grease Interceptor DID COMPLY with the requirements of ASME A112.14.3-2018 "Hydromechanical Grease Interceptors" and CSA B481.0 and B481.1-12 "Grease Interceptors".**

By the signature below, I certify that all the testing and preparation for this report was performed under direct supervision of IAPMO R&T Lab, unless otherwise stated.

Witness tested and reported by,

Dale E. Holloway, Regional Technical Manager
IAPMO R&T Lab

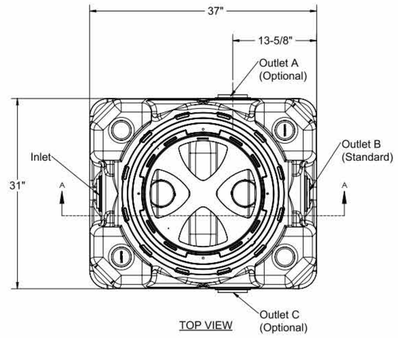
All testing and sample preparation for this report was performed under the continuous, direct supervision of IAPMO R&T Lab, unless otherwise stated. The observations, test results and conclusions in this report apply only to the specific samples tested and are not indicative of the quality or performance of similar or identical products. Only the Client shown above is authorized to copy or distribute the report, and then only in its entirety. Any use of the IAPMO R&T Lab name for the sale or advertisement of the tested material, product or service must first be approved in writing by IAPMO R&T Lab.

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

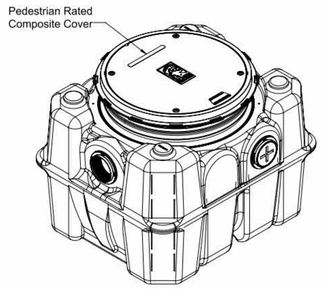
SPECIFICATIONS
1. 4" Plain/Female Inlet/Outlet
2. Flow rate (4") = 125 GPM
3. Liquid capacity: 65 Gallons
4. Max solids/sediment capacity: 53 Gallons
5. Pedestrian Rated Composite Cover
6. Seamless molded polyethylene tank.

NOTES
1. For gravity drainage applications only. Do not use for pressure applications.
2. Unit supplied with built-in adapter(s) for up to 4" of adjustability. Additional riser(s) available for deeper burial depth.
3. Cover placement allows full access to tank for proper maintenance.
4. Narrow footprint allows clearance through doorways and down stairwells.
5. Engineered inlet and outlet diffusers are removable to inspect/clean piping.
6. Designed for below-grade, above-grade, indoor, or outdoor installations

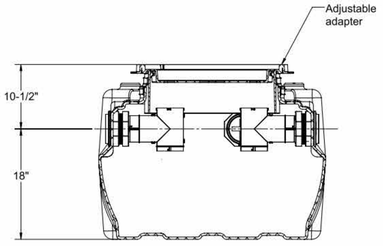
ACCESSORIES:
- Field cut risers for extending covers to grade
- High water anchor kit
- Pumpout Port Kit
- Cover adapter tie down kit
- Membrane clamping collar kit



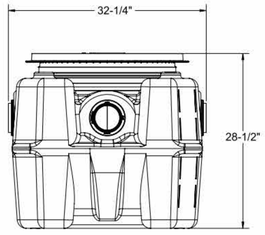
TOP VIEW



ISOMETRIC VIEW



SECTION A-A



END VIEW

SPECIFICATION SHEET

MODEL NUMBER:	PART NUMBER: 5025-001-01					
SI-50	DESCRIPTION: SOLIDS INTERCEPTOR, 65 LIQUID GALLONS, 53 GALLON SOLIDS CAPACITY, 4" PLAIN/FEMALE INLET/OUTLET, PEDESTRIAN RATED COMPOSITE COVER					
PROPRIETARY AND CONFIDENTIAL	DWG BY: B.BROWN	DATE: 6/2/2022	REV: A	ECO: 012623CS		

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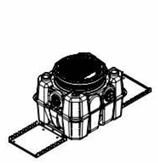
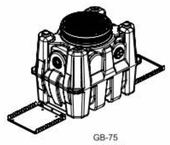
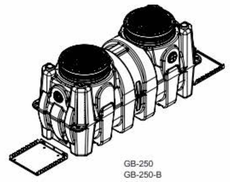
SCHIER
6455 Woodland Dr
Shawnee, KS 66218
Tel: 913-951-3300
Fax: 913-951-3399
schierproducts.com

Tank Model	GB-50/SI-50	GB-75/SI-75	GB-250/SI-250
Buoyancy Force of Empty Tank (lbs.)	850	1503	3082
Volume of Backfill Above Tank (ft^3)	2.85	5.73	10.68
Volume of Backfill Above Anchor Plates (ft^3)	11.9	18.79	20.54
Weight of Backfill Above Tanks (lbs)	265	573	1068
Weight of Backfill Above Anchor Plates (lbs)	1190	1879.4	2054.16
Weight of Tanks (lbs)	62	98	173
Total Weight (lbs)	2380	2550.4	3295.16


GB-50
SI-50


GB-75
GB-75-B
SI-75


GB-250
GB-250-B
SI-250

SPECIFICATION SHEET

MODEL NUMBER:	DESCRIPTION: Buoyancy Calculations for GB-50/SI-50 GB-75/SI-75 and GB-250/SI-250 Anchoring				
GB-50/SI-50 GB-75/SI-75 GB-250/SI-250				SHEET: 1 OF 1	
PROPRIETARY AND CONFIDENTIAL	DWG BY: TEU	DATE: 6/23/21	REV: 2 - 4/20/22 –	ECO:	

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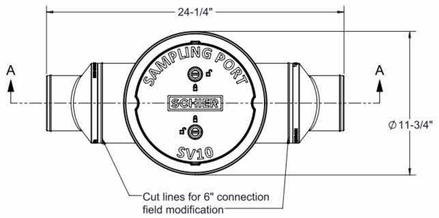
SCHIER PRODUCTS
6455 Woodland Dr
Shawnee, KS 66111
Tel: 800-827-7119
Fax: 800-827-9664
www.schierproducts.com

NOTES
1. 4" plain end inlet/outlet
2. Field modifiable to 6" plain end inlet/outlet
3. Unit weight - 9 lbs.
4. Maximum operating temperature: 150º F continuous
5. Offset connections
6. 2 rolls of 33" x 2" butyl mastic tape provided for sealing build-your-own riser joints

ENGINEER SPECIFICATION GUIDE
Schier Sewer Viewer™ sampling port model # SV10 shall be lifetime guaranteed and madein USA of seamless, rotationally-molded polyethylene. Sampling port shall be furnished for above or below grade installation. Cover shall provide water/gas-tight seal and have minimum 16,000 lbs. load capacity.

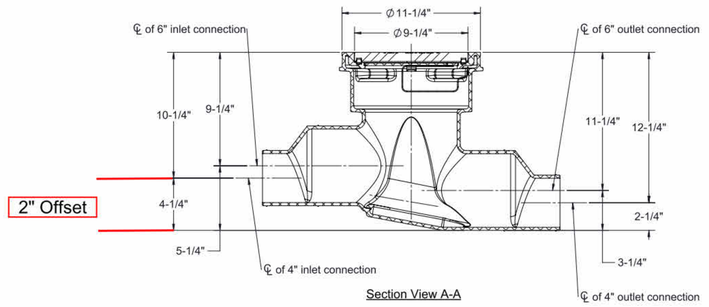
ACCESSORIES:
- Field Cut Risers for extending cover to grade



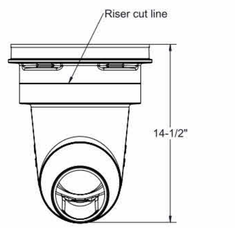
Top View



Iso View



Section View A-A



Outlet End View

SPECIFICATION SHEET

MODEL NUMBER:	PART NUMBER: 8065-001-01					
SV10	DESCRIPTION: SV10 SEWER VIEWER SAMPLING PORT, 4" CONNECTIONS (FIELD MODIFIABLE TO 6"), POLYETHELENE COVER					
PROPRIETARY AND CONFIDENTIAL	DWG BY: B.BROWN	DATE: 6/6/2022	REV: -	ECO: -		

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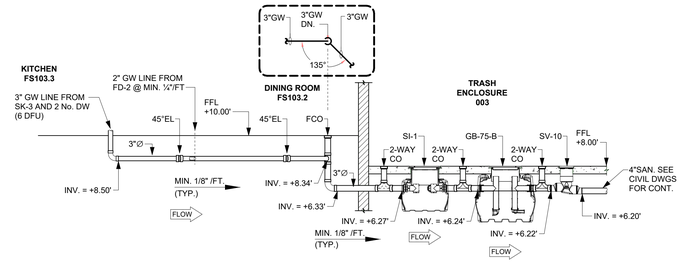
SCHIER
6455 Woodland Dr
Shawnee, KS 66218
Tel: 913-951-3300
Fax: 913-951-3399
schierproducts.com



② GREASE WASTE PROFILE
1/4" = 1'-0"

DESIGN ARCHITECT
Wannemacher Jensen Architects, Inc.
180 Mirror Lake Drive North
St. Petersburg, Florida 33701-3214
(727) 822-5566 fax (727) 822-5475
www.wjarc.com
AA0002277
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ARCHITECT OF RECORD
WOLFBERG ALVAREZ & PARTNERS
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AA002416 EB 002354

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MECHANICAL ENGINEER
FL. REG. NO. 19687
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MARIO H. GUTIERREZ LICENSE No.19687 STATE OF FLORIDA PROFESSIONAL ENGINEER

NORTH BAY VILLAGE SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79TH CAUSEWAY
NORTH BAY VILLAGE, FL 33141

10/28/2025 12:25:47 PM

Project Number
22303.0

DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE
1	Revision 1	11/8/24
2	Revision 2	12/20/24

PLUMBING DETAILS 3

P603

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

SPECIFICATIONS

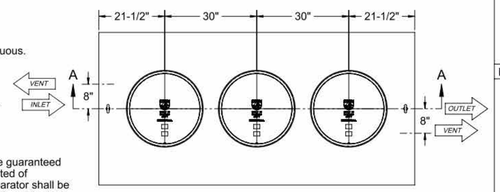
1. 6" Plain End inlet/outlet shown, 3" Plain End vents standard.
2. Max flow rate: 314 GPM.
3. Liquid capacity: 562 gallons (75 cu. ft.).
4. Oil capacity: 285 gallons.
5. Solids capacity: 162 gallons.
6. Unit weight: 1025 lbs.
7. Maximum operating temperature 140°F continuous.

NOTES

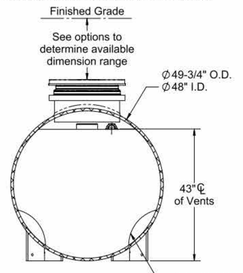
1. For gravity drainage applications only.
2. Do not use for pressure applications.
3. Cover placement allows full access to tank for proper maintenance.
4. Lifting lug set for easy install.

ENGINEER SPECIFICATION GUIDE

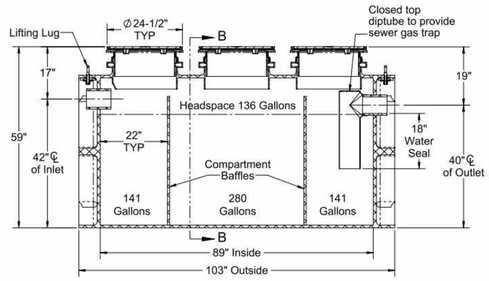
Striem oil separator model OT-500 shall be lifetime guaranteed and made in the USA. Separator shall be constructed of polyethylene with 7/8" nominal wall thickness. Separator shall be manufactured for below-grade installation. Field-adjustable riser system is available as an option to bring manhole covers to grade. Separator flow rate shall be 314 GPM. Separator liquid holding capacity shall be 562 gallons and oil capacity shall be 285 gallons. Solids capacity shall be 162 gallons. Covers shall be H20 rated pickable cast iron. Separator shall be certified to IAPMO IGC 183-2016 and carry a UPC listing.



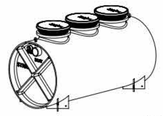
TOP VIEW



SECTION B-B



SECTION A-A



UPC

PO IS NON-CANCELABLE ORDER IS NON-RETURNABLE

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OPTIONS

Connection Options (Plain End Only)

Inlet / Outlet

- ☐ 4"
- ☐ 6"
- ☐ 8"

SELECTION REQUIRED

Riser Options

From Factory: Up to 5"

- ☐ Up to 24": **SR24** (3)
- ☐ Up to 39": **LR24** (3)
- ☐ Up to 43": **SR24** (6)
- ☐ Up to 58": **SR24** (3) + **LR24** (3)
- ☐ Up to 72": **LR24** (6)
- ☐ Up to 90": **SR24** (3) + **LR24** (6)
- ☐ Up to 106": **LR24** (9)

- OR -

- ☐ **CPRK** (3): 11" - 106" (See specification for more detail.)

Additional Options

- ☐ **HDK-3**: High Water Table Hold Down Kit
- ☐ **SS**: Slick Stick™ Oil Level Monitoring System*

*Monitoring system will raise covers by 3".

MODEL NUMBER:	OT-500	**SPECIFICATION SHEET**	
DESCRIPTION:	OIL TANKER™ POLYETHYLENE OIL SEPARATOR 562 GALLON CAPACITY	**Striem** **Kansas City, KS** **Tel: 913-222-1500** **orders@striemco.com** **www.striemco.com** **Made in the U.S.A**	STRIEM
DWG BY: ENG	**DATE:** 1/10/2024	**REV:** 1	

STRIEM

TECHNICAL BULLETIN: HDK-HOLD DOWN KITS

HDK-HOLD DOWN KITS

Striem large horizontal tanks are engineered to be installed below grade. When installing below grade, a concrete pad is required at finished grade. This acts to protect the covers as well as an anti-flotation "anchor".

NOTE:
Hold down kits are only needed for installations with a high water table, not on all installations.

Striem Hold Down Kits are available for all large horizontal tanks. A Hold Down Kit consists of pre-fabricated straps with D-rings, drop forged hot dipped galvanized turnbuckles, and two concrete deadmen with anchors (by others).

How they work: Striem Hold Down Kits leverage the weight of the backfill directly over the tank and deadmen. The calculations below show that the weight of the backfill and concrete are more than sufficient to offset the buoyant force of an empty unit installed completely beneath a high water table. Additional calculations below show that the straps are sufficient to resist the net buoyant force.

HDK-3-8 BUOYANCY AND BACKFILL CALCULATIONS

HDK Model	HDK-3	HDK-4	HDK-5	HDK-6	HDK7	HDK-8
Number of straps	2	2	4	4	6	2
Buoyant Volume (m^3)	2.64	3.42	4.45	6.62	10.00	2.37
Buoyancy Force of Empty Tank (lbs)	5803.12	7517.67	9781.77	14551.75	21981.5	5209.62
Concrete Volume Above Tank and Deadmen (ft^3)	28.67	32.03	36.79	49.15	67.50	21.54
Backfill Volume Above Tank and Deadmen (ft^3)	90.54	105.90	125.55	168.98	274.33	68.83
Volume of (2) 12x12 Deadmen (ft^3)	17.17	17.50	18.33	22.00	38.11	10.00
Concrete Weight Above Tank and Deadmen (lbs)	4071.00	4548.26	5223.47	6979.30	9585.00	3058.68
Backfill Weight Above Tank and Deadmen (lbs)	9053.80	10589.90	12554.80	16898.00	27433.00	6883.00
Weight of (2) 12x12 Deadmen (lbs)	2437.67	2485.00	2603.33	3124.00	5411.78	1420.00
Weight of Tank (lbs)	1200.00	1300.00	1450.00	1600.00	2000.00	800.00
Total Weight (lbs)	16762.46	18923.16	21831.60	28601.30	44429.78	12161.68
Strap Minimum Factor of Safety	2.90	2.14	3.20	2.06	2.00	3.02
Deadmen Minimum Factor of Safety	2.89	2.52	2.23	1.97	2.02	2.33

LIFETIME GUARANTEED

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BUILT IN KANSAS CITY

OIL SEPARATOR CALCULATIONS	
SERVICE AREA	4000 SQ. FT.
OIL SEPARATOR SIZING	
6.9 CU. FT. FOR FIRST 100 SQ. FT. OF DRAINAGE AREA	6 CU. FT.
1.0 CU. FT. FOR EACH ADDITIONAL 100 SQ. FT. OF DRAINAGE AREA	39 CU. FT.
CU. FT. REQUIREMENT	45 CU. FT.
GAL. REQUIREMENT	337 GAL

Sizing methodology complies with UPC section 1017.2 and IPC section 1003.4.2.2.

OT-500
OIL SEPARATOR
Installation, Operation, & Maintenance Guide

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CUSTOMER SERVICE HOURS: 8 AM - 5 PM CST

4/28/22

WARNING
DO NOT AIR PRESSURE TEST UNIT!
DOING SO MAY RESULT IN PROPERTY DAMAGE, SERIOUS BODILY INJURY, OR DEATH!
Refer to Installation Instructions for correct testing procedure.

FOR BURIED APPLICATIONS ONLY

LEAK/SEAL TESTING
Do not air test unit or Teleglide Riser system! Doing so may result in property damage, personal injury or death.

To perform a leak/seal test on the base unit, cap/plug all plumbing connections, remove the cover, and fill the unit with water just above the highest connection. Inspect unit and connections for leaks. Check water level at specific time intervals per local code. Note: This unit has been subjected to a 24 hour water test prior to shipment from the factory.

STRIEM

OT-500
OIL SEPARATOR
Installation, Operation, & Maintenance Guide

OVERVIEW
Striem Oil Tanker™ model OT-500 is a 562 gallon polyethylene oil separator intended for below-grade installation. It is designed to separate oil and solids from wastewater.

OPERATION
Oily wastewater enters through the inlet connection. As the wastewater moves through the unit, solids and immiscible lighter-than-water contaminants are separated based on Stokes' Law. Immiscible, lighter-than-water droplets rise out of the wastewater stream, while sediment and sludge settle to the bottom.

LIFETIME WARRANTY
Our products are designed to last the lifetime of the plumbing system in which they are installed. If they don't, we will repair or replace them at no charge. Product damage due to normal wear and tear may be repaired or replaced at a reasonable charge. See website for full details.



OT-500
OIL TANKER™ SERIES
562 GALLON
OIL SEPARATOR

LIFETIME GUARANTEED

BUILT IN KANSAS CITY

MAINTENANCE

1. Always take proper care to ensure a safe and healthy environment while maintaining the oil separator. Avoid the presence of sparks or open flames while maintaining the unit.
2. Remove covers.
3. Contact a professional pumper contractor to remove all contents of the oil separator, including oil, sediment, and wastewater.
4. Clean the drain lines and diffuser thoroughly of all debris.
5. Fill OT-500 with water to outlet invert.
6. Inspect cover gaskets for wear and tear and reinsert covers.
7. Dispose of contents per local code.

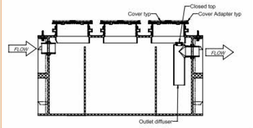
PUMPING FREQUENCY
OT-500 must be maintained prior to reaching maximum oil or sediment capacity for the unit to continue working efficiently.

Pumping frequency depends on the amount of oil and sediment in the wastewater. Monitor oil and sediment levels to determine site specific maintenance schedule requirements.

Oil levels can be tested with a core sampler. Striem recommends a minimum pumping frequency of 6 months.

TROUBLESHOOTING TIPS
Slower than usual drainage may indicate a blockage and a need to maintain the oil separator. Ensure the drain lines and diffuser are cleared of all debris in the presence of slow drainage.

Effluent flow faulted with free oil may indicate the OT-500 has exceeded the maximum oil capacity. In the presence of oil in the effluent flow, maintain the unit immediately.



INSTALLATION

EXCAVATION

1. Surrounding soil must be undisturbed soil or well compacted engineering fill.
2. Measure the width and length of the tank and excavate a hole that is a minimum of 18" greater than the tank on all sides.
3. Depth of excavation shall be 12" deeper than tank bottom.
4. After the excavation is complete create a well compacted support layer of sand/gravel mixture so that ground supporting tank is a minimum of 12" above native soil.

UNIT INSTALLATION

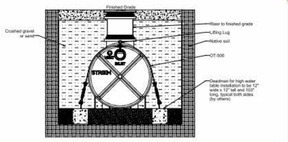
1. Lower and center the unit into hole using Striem lifting lug kit (included). Do not use chains or accessories to move the unit.
2. The water table must not exceed the tank height prior to the addition of risers.
3. Ensure the unit covers are level with finished grade.
4. Fill OT-500 with water before backfilling to stabilize the unit and prevent float out during backfilling.

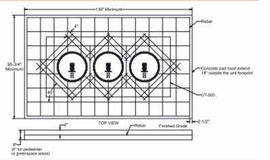
BACKFILLING & FINISHED CONCRETE SLAB

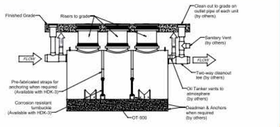
1. Before backfilling and pouring of the slab, secure covers and risers (if necessary) to the unit.
2. Backfill evenly all around the tank using crushed aggregate material approximately 3/4" size rock, or sand, with no fines.
3. When backfilling, ensure backfill is worked under the unit using a probe to ensure the unit is fully supported.
4. Place 6" aggregate base under slab. Aggregate should be 3/4" size rock, or sand, with no fines.
5. Thickness of the concrete around the cover to be determined by the specifying engineer. If traffic loading is required the concrete slab dimensions shown are for guideline purposes only.
6. Concrete to be 28 day compressive strength to 4000 PSI with 6 ± 1% air entrainment.
7. NO. 4 rebar [1/2"] grade 60 steel per ASTM A615: connected with tie wire.
8. Rebar to be 2 1/2" from edge of concrete.
9. Rebar spacing 12" grid. 4" spacing around access openings.

DEADMAN ANCHORING (IF NECESSARY)

1. Deadmen should be constructed according to the American Concrete Institute (ACI) code.
2. Deadmen should be 12" wide x 12" tall and 103" long.
3. Each deadman should have (2) anchor points for connection to (2) 3,500 lbs. rated turnbuckles.
4. The deadmen shall be installed tangent to the tank footprint.
5. Pre-fabricated straps rated to 3,333 lbs. each should be connected to a turnbuckle on each side. Turnbuckles should be secured to the deadmen anchor points on each side of the tank such that the tank is held down.



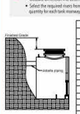




TELEGLIDE RISER | INSTALLATION INSTRUCTIONS

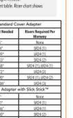
CORRUGATED PIPE RISER KIT (CPRK) AVAILABLE AS ALTERNATE RISER SOLUTION. SEE CPRK INSTALLATION INSTRUCTIONS FOR MORE DETAILS.

1. Place unit so that the pipe connections line up with jobsite piping. Ensure that drain line extends to the desired height.
   - Select the required risers from the adjacent table. Rise chart shows quantity for each tank manway.

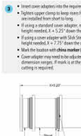


Standard Cover Adapter	
Riser Height Needed	**Risers Required Per Manway**
0" - 5"	None
5" - 10"	(1)SR12
10" - 15"	(2)SR12
15" - 20"	(1)SR24
20" - 25"	(2)SR12+(1)SR24
25" - 30"	(2)SR24
30" - 35"	(2)SR12+(2)SR24
35" - 40"	(3)SR24
Cover Adapter with Slick Stick™	
0" - 5"	None
5" - 10"	(1)SR12
10" - 15"	(2)SR12
15" - 20"	(1)SR24
20" - 25"	(2)SR12+(1)SR24
25" - 30"	(2)SR24
30" - 35"	(2)SR12+(2)SR24
35" - 40"	(3)SR24

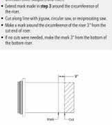
2. Loosen nylon clamp with **nut driver 5/8 (included with tank)**.
   - If no risers are needed, remove covers from cover adapters, and cover adapters from the unit.



3. Insert cover adapters into the required risers until they stop.
   - Tighten upper clamp to keep riser from shifting. Risers can be installed from short to long.
   - If using a standard cover adapter, measure the riser height needed. A 1-3/2" down the sidewall of the risers.
   - If using a cover adapter with Slick Stick™, measure the riser height needed. A 1"-2" down the sidewall of the risers.
   - Mark the location with **china marker (included with tank)**.
   - Cover adapter may need to be adjusted outward for some dimension ranges. If mark is at the end of riser, no cutting is required.



4. Extended cover adapters and risers:
   - Extend riser height to **step 2** around the circumference of the riser.
   - Cut along line with jigsaw, circular saw, or reciprocating saw.
   - Make a mark around the circumference of the riser 2" from the cut end of riser.
   - If no cuts were needed, make the mark 2" from the bottom of the bottom riser.



5. Wipe clean all riser and cover adapter sidewalls.
   - Insert the first riser into the tank neck until the mark made in **step 4** is in line with the top of the neck gasket. This will ensure your risers reach the finished grade measured in **step 1**.



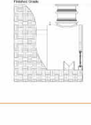
6. Install risers and cover adapters into the tank neck starting from the marked riser, moving up to finished grade.
   - Upper clamps may need to be loosened or removed to aid in assembly.



7. Tighten all clamps to 18 lbs. of torque.
   - Reinstall covers on cover adapters.
   - If fitting of the cover adapter is required to be flush with finished floor, it must be done after all clamps are tightened. A 6.5" fit is the maximum.



8. If grade rise height conditions change after the previous steps have been completed, there is still room for vertical adjustment.
   - As long as the minimum engagement of 2 1/2" on all joints are maintained, the adapters and risers may be adjusted/cut as many times as necessary.



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MARIO H. GUTIERREZ LICENSE No.19687 STATE OF FLORIDA PROFESSIONAL ENGINEER

MARIO H. GUTIERREZ, PE.
MECHANICAL ENGINEER
FL. REG. NO. 19687
This item has been digitally signed & sealed by Mario H. Gutierrez, PE. Printed copies of this document are not considered signed & sealed and the signature must be verified on any electronic copies.

NORTH BAY VILLAGE SAFETY COMPLEX
CLIENT: NORTH BAY VILLAGE
1335 79TH CAUSEWAY
NORTH BAY VILLAGE, FL 33141
10/28/2025 12:25:49 PM

Project Number
22303.0

DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE
1	Revision 1	11/8/24

PLUMBING DETAILS 4

P604

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

Electrical Abbreviations

1P	1 Pole (2P, 3P, 4P, ETC.)	MCB	Main Circuit Breaker
A, Amp	Ampere	MCC	Motor Control Center
AC	Above Counter	MDC	Main Distribution Center
ACLG	Above Ceiling	MDP	Main Distribution Panel
ADO	Automatic Door Opener	MFR	Manufacturer
AF	Amp Frame	MFS	Main Fused Disconnect Switch
AFF	Above Finished Floor	MH	Manhole
AFG	Above Finished Grade	MIC	Microphone
AFI	Arc Fault Circuit Interrupter	MIN	Minimum
		MISC	Miscellaneous
AHU	Air Handling Unit	MLO	Main Lugs Only
AL	Aluminum	MMS	Manual Motor Starter
ALT	Alternate	MOA	Multioutlet Assembly
AMP	Ampere	MSP	Motor Starter Panelboard
AMPL	Amplifier	MSBD	Main Switchboard
ANNUN	Annunciator	MSS	Motor Starter Switch
APPROX	Approximately	MT	Mount
AQ-STAT	Aquastat	MT.C	Empty Conduit
ARCH	Architect, Architectural	MTS	Manual Transfer Switch
AS	Amp Switch	MTR	Motor, Motorized
AT	Amp Trip	N.C.	Normally Closed
ATS	Automatic Transfer Switch	NEC	National Electrical Code
AUTO	Automatic	NEMA	National Electrical Manufacturer's Association
AUX	Auxiliary	NFDS	Non-Fused Safety Disconnect Switch
AV	Audio Visual	NIC	Not In Contract
AWG	American Wire Gauge	NL	Night Light
BATT	Battery	N.O.	Normally Open
BD	Board	NPF	Normal Power Factor
BLDG	Building	NTS	Not To Scale
BMS	Building Management System	OC	On Center
C	Conduit	OH	Overhead
CAB	Cabinet	OL	Overloads
CAT	Catalog	PA	Public Address
CATV	Cable Television	PB	Pull Box Or Pushbutton
CB	Circuit Breaker	PE	Pneumatic Electric
CCTV	Closed Circuit Television	PED	Pedestal
CKT	Circuit	PF	Power Factor
CLG	Ceiling	PH	Phase
COMB	Combination	PIV	Post Indicating Valve
CMPR	Compressor	PNL	Panel
CONN	Connection	PP	Power Pole
CONST	Construction	PR	Pair
CONT	Continuation Or Continuous	PRI	Primary
CONTR	Contractor	PROJ	Projection
CONV	Convector	PRV	Power Roof Ventilator
CP	Circulating Pump	PT	Potential Transformer
CRT	Cathode-Ray Tube	PVC	Polyvinyl Chloride (Conduit)
CT	Current Transformer	PWR	Power
CTR	Center	QUAN	Quantity
CU	Copper	RCPT	Receptacle
DCP	Domestic Water Circulating Pump	REQD	Required
DEPT	Department	RM	Room
DET	Detail	RSC	Rigid Steel Conduit
DIA	Diameter	RTU	Roof Top Unit
DISC	Disconnect	SC	Surface Conduit
DIST	Distribution	SEC	Secondary
DN	Down	SHT	Sheet
DPR	Damper	SIM	Similar
DS	Safety Disconnect Switch	SLD	Single-Line Diagram
DT	Double Throw	SN	Solid Neutral
DWG	Drawing	SPEC	Specification
EC	Electrical Contractor	SPKR	Speaker
ELEC	Electric, Electrical	SP	Spare
ELEV	Elevator	SPP	Single-Point Power
ELU	Emergency Lighting Unit	SR	Surface Raceway
EM	Emergency	SS	Stainless Steel
EMS	Energy Management System	SSW	Selector Switch
EMT	Electrical Metallic Tubing	S/S	Stop/Start Pushbuttons
EP	Electric Pneumatic	STA	Station
EQUIP	Equipment	STD	Standard
EWC	Electric Water Cooler	SURF	Surface Mounted
EXIST	Existing	SW	Switch
EXH	Exhaust	SWBD	Switchboard
EXP	Explosion Proof	SYM	Symmetrical
FA	Fire Alarm	SYS	System
FABP	Fire Alarm Booster Power Supply Panel	TEL	Telephone
FACP	Fire Alarm Control Panel	TERM	Terminal
FCU	Fan Coil Unit	TL	Twist Lock
FIXT	Fixture	TR	Tamper Resistant
FLR	Floor	T-STAT	Thermostat
FLUOR	Fluorescent	TTC	Telephone Terminal Cabinet
FU	Fuse	TV	Television
FUDS	Fused Safety Disconnect Switch	TVTC	Television Terminal Cabinet
GA	Gauge	TYP	Typical
GAL	Gallon	UC	Under Counter
GALV	Galvanized	UE	Underground Electrical
GC	General Contractor	UG	Underground
GEN	Generator	UH	Unit Heater
GFI	Ground Fault Circuit Interrupter	UT	Underground Telephone
GND	Ground	UTIL	Utility
GRS	Galvanized Rigid Steel (Conduit)	UV	Ultraviolet
GYP BD	Gypsum Board	V	Volt
HOA	Hands-Off-Automatic Switch	VA	Volt-Amperes
HORIZ	Horizontal	VDT	Video Display Terminal
HP	Horsepower	VERT	Vertical
HPF	High Power Factor	VFD	Variable Frequency Drive
HT	Height	VOL	Volume
HTG	Heating	W	Watt
HTR	Heater	W/	With
HV	High Voltage	WG	Wire Guard
HVAC	Heating, Ventilating And Air Conditioning	WH	Water Heater
		W/O	Without
IC	Interrupting Capacity	WP	Weatherproof
IG	Isolated Ground	XFMR	Transformer
IMC	Intermediate Metal Conduit	XFR	Transfer
INCAND	Incandescent		
IR	Infrared		
I/W	Interlock With		
J-BOX	Junction Box	∠	Angle
KV	Kilovolt	@	At
KVA	Kilovolt-Ampere	Δ	Delta
KVAR	Kilovolt-Ampere Reactive	'	Feet
KW	Kilowatt	"	Inches
KWH	Kilowatt Hour	#	Number
LOC	Locate Or Location	Ø	Phase
LT	Light	℄	Center Line
LTG	Lighting	P	Plate
LTNG	Lightning		
LV	Low Voltage		
MAX	Maximum		
MAG.S	Magnetic Starter		
M/C	Momentary Contact		
MC	Mechanical Contractor		

Electrical Symbol Legend

Lighting Symbols

- Lighting Fixtures, Typical, Rectangular (Various Symbols) — Filled circles indicate recessed. Open circles indicate surface-mounted. Diagonal line indicates lensed. Outer dots indicate suspended.
- Lighting Fixtures, Typical, Round (Various Symbols) — Center dot indicates pendant. Diagonal line indicates lensed. Chevron indicates wall wash.
- Wall-mounted fixtures, Typical (Various Symbols)
- Strip Fixture
- Directional Light, Track Light, Flood Light
- Linear Light, Tape Light
- Emergency Lighting Unit, Ceiling-Mounted, Integral Battery
- Emergency Lighting Unit, Ceiling-Mounted, Remote Battery
- Emergency Lighting Unit, Wall-Mounted, Integral Battery
- Emergency Lighting Unit, Wall-Mounted, Remote Battery
- Exit Light, Ceiling-Mounted. Shading and arrows indicate faces and directional chevrons.
- Exit Light, Wall-Mounted. Shading and arrows indicate faces and directional chevrons.
- Exit/ELU Combo
- Pole/Area Lights
- Post-Top Area Light
- Bollard Light
- Diagonal hatch indicates light on a critical circuit.
- Solid hatch indicates light on an emergency or life safety circuit.

Power Symbols

Wall / Ceiling / Floor

- Simplex Receptacle
- Duplex Receptacle
- Quadruplex Receptacle
- Special Receptacle, Type as Indicated

Receptacle Modifiers:
##": Height AFF OC
AC: Above Counter
GFI: Ground-Fault Circuit Interrupter
WP: Weatherproof In-Use Cover

- Half shading indicates split (typically switched)
- Outside shading indicates emergency circuit
- Center shading indicates isolated ground
- Single-Pole Switch
- Two-Pole Switch
- Three-Pole Switch

Switch Modifiers:
K: Keyed
T: Timer
AC: Above-Counter
M: Motor-Rated

- Multioutlet Assembly — Filled squares indicate 120V outlet. Open squares indicate with USB
- Cord Reel, Device Varies
- Drop Cord, Device Varies
- Junction Box
- Floor Box, see schedule for type
- Emergency Power Off
- Door Opener Push Plate
- Power Meter
- Safety Switch, Fused
- Safety Switch, Unfused
- Motor Starter
- Combination Starter/Disconnect
- Contactor

Power Device and Equipment Tags

Electrical DeviceTags: Uppercase letter(s) indicates Panel ID and circuit number. Lowercase letter indicates designation of controlling switch (where applicable).

Equipment Tags: Equipment ID is indicated by an underlined tag adjacent to the equipment. See the equipment connection schedule for description, electrical requirements, and panel and circuit number. Symbols/graphic appearance of equipment varies.

Wiring

Solid, arced lines connecting equipment, devices, or fixtures indicate unswitched power circuiting. Wires are only intended to indicate, by general shape, Equipment connection schedule located on Sheet E704 installation, junction boxes, etc. shall be field-determined by the contractor.

Dashed, arced lines connecting equipment, devices, or fixtures indicate switched power.

Home run to branch circuit panelboard. The equipment name and circuit number(s) are indicated, separated by a hyphen. Homeruns are only intended to indicate panel and circuit number. Actual homerun location shall be field-determined by the contractor.

Power Distribution Equipment

SB1(S) — MDP(M) — HP1A(B) — LP1A(C)

Hatched fill indicates distribution panel or switchboard.
Solid fill indicates branch panel or load center.
Dashed box indicates code-required clearance (width and depth). Door indicates front of recessed panel.

Panelboards are assigned an abbreviated indicator (or Panel ID) for use with circuit numbers. Panel ID is listed within the panel schedule and in the panel abbreviation schedule.

Equipment is tagged with Panel Name and with Panel ID in parentheses. Panel ID is intended as a design documentation aid only. Do not include Panel ID in field-applied circuit directories or labels.

Devices and fixtures are tagged with Panel ID and circuit number. For example, a device tagged with "A1" indicates the device is circuited to panel designated "A," circuit number 1. The panel schedule circuit number contains both the panel abbreviation and the circuit number.

T1 — Transformer: Typically transformer names begin with or contain the letter "T". See Single-Line Diagram for description and requirements.

Lighting Tags

Top Value: Fixture Type ID (Underlined)
Bottom Value, Lowercase Letter: Switch ID
Bottom Value, Number(s): Circuit Number
Bottom Value, Uppercase Letter(s): Panel ID

Absence of a switch designation on a lighting fixture indicates fixture is controlled by the only switch in the space. An "x" in place of the switch designation indicates unswitched.

Switch ID indicated by a lowercase letter. Switch IDs are unique per space. A switch with an ID "a" controls all devices within the space in which it is located tagged with "a". A switch without a tagged ID controls all lighting fixtures within a space. ID tags may be used on control devices other than switches, such as occupancy sensors or contactors.

Grounding and Lightning Protection Symbols

- Ground Rod
- Ground Rod with Test Well
- Static Ground Receptacle
- Lightning Protection Air Terminal
- Lightning Protection Conductor Splice

Telecom Symbols

Wall / Ceiling / Floor

- Data Outlet
- Telephone Outlet
- Data/Telephone Outlet

Outlet Modifiers:
##": Height AFF OC
AC: Above Counter

- Wireless Access Point
- TV Outlet

Nurse Call Symbols

- Nurse Call Corridor Light — Number of lights as indicated

REFER TO SHEET E-601 FOR DATA OUTLET TYPICAL DETAIL

- Nurse Call Device
  - B: Code Blue
  - D: Duty Station
  - E: Emergency
  - P: Patient Call
  - S: Staff
- Nurse Call Control Unit
  - NCAP: Nurse Call Annunciator Panel
  - NCHS: Nurse Call Host Controller
  - NCPA: Nurse Call Power Supply
  - NCTC: Nurse Call Terminal Cabinet
  - NCUPS: Uninterruptable Power Supply

Security Symbols

- Security Camera — PTZ: Pan/Tilt/Zoom
- Card Reader
- Card Reader with Keypad
- Closed Circuit TV Outlet
- Door Contact
- Electric Strike
- Intercom
- Magnetic Lock
- Request to Exit Button
- Request to Exit Sensor
- Motion Detector
- Security Control Unit
  - SCP: Security Control Panel
  - SPS: Security Power Supply Unit

Construction Phasing

(Typical All Symbols and Equipment)

- Existing to Remain
- Existing to Be Demolished
- New
- Existing to Be Demolished

Miscellaneous

- Area Not in Contract
- Keynote — Callout: Top Value: Detail Number on Sheet. Bottom Value: Sheet Number of Detail
- Room — Room Name and Number

Fire Alarm Symbols

- Manual Pull Station
- Horn, Wall
- Horn, Ceiling
- Strobe, Wall, Candela as indicated
- Strobe, Ceiling, Candela as indicated
- Horn/Strobe, Wall, Candela as indicated
- Horn/Strobe, Ceiling, Candela as indicated
- Remote Indicator w/ Test Switch, Wall
- Remote Indicate w/ Test Switch, Ceiling
- Smoke Detector
- Heat Detector
- Carbon Monoxide Detector
- Beam Detector T: Transmitter R: Receiver
- Combination Detector (Up to Three)
- Duct Smoke Detector
- Smoke Damper
- Door Holder
- Door Closer
- Fire Service Phone
- Addressible Module
  - AIM: Addressible Input Module
  - AOM:Addressible Output Control Module
  - AIO: Addressible Input/Output Module
- Fire Alarm Control Unit
  - EVAC: Voice Evacuation Control Panel
  - FAA: Fire Alarm Annunciator
  - FACP: Fire Alarm Control Panel
  - FATC: Fire Alarm Terminal Cabinet
  - NACP: Notification Appliance Circuit Panel
  - FAMN: Fire Alarm Mass Notification Control Panel
- Supervisory or Interface Device
  - PIV: Post Indicator Valve Supervisory
  - PS: Pressure Switch
  - R: Non-Addressible Relay
  - VS: Valve Supervisory Switch
  - WF: Water Flow Switch

GENERAL ELECTRICAL NOTES AND SPECIFICATIONS:

ELECTRIC COORDINATION:

1.01 SUMMARY

A. SECTION INCLUDES: GENERAL PROCEDURES FOR ELECTRICAL WORK.

1. FURNISH LABOR, SUPERVISION, ENERGY, MATERIALS, TOOLS, TRANSPORTATION, EQUIPMENT, PERMITS, INSURANCE, TAXES, TEMPORARY PROTECTION, AND CORRECTION NECESSARY TO PROVIDE THE WORK SHOWN, IMPLIED, SPECIFIED AND REQUIRED FOR A COMPLETE OPERATIONAL AND CODE COMPLIANT SYSTEM.
2. PROVIDE APPARATUS, APPLIANCES, MATERIALS, AND WORK AS REQUIRED TO COMPLETE THE SCOPE OF WORK INDICATED ON THE DRAWINGS. INCLUDE INCIDENTAL ACCESSORIES NECESSARY FOR PROPER INSTALLATION AND OPERATION, EVEN IF NOT SPECIFIED OR SHOWN, WITHOUT ADDITIONAL EXPENSE TO THE OWNER.
3. APPARATUS REFERRED TO IN SINGULAR NUMBERS, SHALL INCLUDE AS MANY SUCH ITEMS REQUIRED TO COMPLETE THE WORK.
4. PROVIDE PIPING, WIRING, CONNECTIONS, AND MISCELLANEOUS ACCESSORIES AND MATERIALS NECESSARY FOR A COMPLETE INSTALLATION.

B. SECTION INCLUDES: GENERAL PROCEDURES FOR ELECTRICAL WORK WITHIN AN EXISTING FACILITY

1. ANY AND ALL ITEMS NOT SPECIFICALLY MENTIONED IN THE DRAWINGS OR THE CONTRACT SPECIFICATIONS BUT WHICH ARE OBVIOUSLY NECESSARY FOR A COMPLETE WORKING INSTALLATION SHALL BE INCLUDED.
2. PRIOR TO SUBMITTING A PROPOSAL, THE CONTRACTOR IS REQUIRED TO VISIT THE SITE OF THE PROPOSED WORK AND FAMILIARIZE HIMSELF WITH THE NATURE AND EXTENT OF THE PROPOSED WORK AND ANY LOCAL CONDITIONS WHICH MAY IN ANY WAY AFFECT THE WORK TO BE DONE.
3. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY DISCREPANCIES ENCOUNTERED DURING THE COURSE OF THIS SITE VISIT.

1.02 DRAWINGS

A. DRAWINGS ARE DIAGRAMMATIC AND SHOW GENERAL ARRANGEMENT OF SYSTEMS AND WORK.
1. DO NOT SCALE DRAWINGS.
2. CONSULT PROJECT DRAWINGS, SHOP DRAWINGS, AND DETAILS FOR LOCATIONS OF EQUIPMENT.

B. COMPLY WITH DRAWINGS IN LAYING OUT THE WORK.

1. COORDINATE WITH THE DRAWINGS TO VERIFY INSTALLATION LOCATIONS.
2. MAINTAIN MAXIMUM HEADROOM CLEARANCES AND SPACE CONDITIONS AT ALL LOCATIONS AS REQUIRED BY CODES AND REGULATIONS.
3. WHERE HEADROOM OR SPACE CONDITIONS APPEAR INADEQUATE, OBTAIN INSTRUCTIONS FROM A/E BEFORE PROCEEDING WITH INSTALLATION.
4. MAKE REASONABLE MODIFICATIONS IN LAYOUT TO PREVENT CONFLICTS WITH EXISTING CONDITIONS OR FOR PROPER EXECUTION OF WORK.

1.03 COORDINATION

A. TO ENSURE FULL COORDINATION BETWEEN TRADES, FURNISH INFORMATION NECESSARY TO IMPACTED TRADES TO ALLOW WORK OF ALL TRADES TO BE INSTALLED SATISFACTORILY AND WITH THE LEAST POSSIBLE INTERFERENCE OR DELAY.
B. CORRECT, WITHOUT EXTRA CHARGE TO THE OWNER, EXISTING MECHANICAL OR ELECTRICAL WORK CAUSING INTERFERENCE, UNACCEPTABLE CLEARANCES, OR ACCESSIBILITY PROBLEMS.

1.04 SUPERVISION

A. MAKE SUBCONTRACTED TRADE PROVIDE SERVICES OF AN EXPERIENCED SUPERINTENDENT IN CHARGE OF INSTALLATION OF THE WORK AND SKILLED WORKERS REQUIRED TO UPLOAD, TRANSFER, ERECT, CONNECT, ADJUST, START, OPERATE, AND TEST WORK. EACH SUBCONTRACTED TRADE SUPERINTENDENT SHALL BE QUALIFIES AND AUTHORIZED TO MAKE DECISIONS AND ANSWER QUESTIONS DIRECTED TO THE CONTRACTOR BY A/E REGARDING PROGRESS AND DETAILS OF WORK.

1.05 INSPECTIONS

A. ARRANGE AND SCHEDULE AS MANY INSPECTIONS OF THE WORK AS NECESSARY NOTIFY A/E, IN WRITING, OF SAFETY-TO-LIFE SYSTEMS FUNCTIONING ACCORDING TO SPECIFICATIONS.
B. DURING THE ENTIRE PERIOD SCHEDULE FOR THESE INSPECTIONS, CONTRACTOR , CONTRACTOR'S SUPERINTENDENT SHALL BE PRESENT.

1.06 CERTIFICATE

A. UPON COMPLETION OF THE WORK, OBTAIN CERTIFICATION OF COMPLIANCE OR APPROVAL FROM AUTHORITIES HAVING JURISDICTION OVER THE WORK AND DELIVER CERTIFICATION TO THE OWNER.

1.07 ACCEPTANCE

A. OPERATION OF ELECTRICAL WORK BY CONTRACTOR DOES NOT CONSTITUTE ACCEPTANCE OF WORK. ACCEPTANCE WILL OCCUR AFTER CONTRACTOR HAS ADJUSTED EQUIPMENT, DEMONSTRATES EQUIPMENT SATISFIES REQUIREMENTS OF DRAWINGS, HAS CORRECTED DEFECTS AND FURNISHED REQUIRED CERTIFICATIONS.

1.08 WARRANTY

A. COMPONENTS, PARTS, RACEWAYS, WIRING AND ASSEMBLIES FURNISHED AND INSTALLED SHALL BE WARRANTED FOR ONE (1) YEAR AFTER THE DATE OF SUBSTANTIAL COMPLETION AND ACCEPTANCE BY OWNER.
B. PROVIDE SIX (6) NOTARIZED COPIES SIGNED BY AUTHORIZED MANUFACTURER'S REPRESENTATIVE DETAILING WARRANTY BEING PROVIDED, LISTING COMPONENTS INCLUDED AND NOT INCLUDED IN THE WARRANTY NUMBER OF HOURS PER DAY FOR WARRANTED SERVICE AND BILLABLE RATES FOR SERVICES NOT COVERED BY WARRANTY.
C. WARRANTY SERVICE SHALL BE PERFORMED BY A CERTIFIED FACTORY TRAINED AND APPROVED TECHNICIAN OF THE EQUIPMENT MANUFACTURER REPRESENTATIVE.
D. THE CONTRACTOR SHALL RESPOND TO ROUTINE WARRANTY SERVICE REQUESTS BY COMPLETING REPAIRS WITHIN 24 HOURS OF SERVICE REQUEST BY THE OWNER.
E. THE CONTRACTOR SHALL RESPOND TO EMERGENCY WARRANTY SERVICE REQUESTS WITH THE ARRIVAL OF A SERVICE TECHNICIAN AT THE SITE WITHIN 4 HOURS OF NOTIFICATION OF AN EMERGENCY.

1.09 MATERIALS AND EQUIPMENT

A. MATERIALS, EQUIPMENT AND COMPONENTS SHALL BE FURNISHED, DELIVERED, ERECTED, CONNECTED, FINISHED, AND ARRANGED TO FIT PROPERLY INTO BUILDING SPACES. PROVIDE REQUIRED ACCESSIBILITY FOR MAINTENANCE AND REPLACEMENT OF EQUIPMENT WITHOUT NEED FOR REMOVING ADJACENT EQUIPMENT OR PIPING. IF NO SPECIFIC TYPE OR QUALITY OF MATERIAL IS GIVEN, PROVIDE MATERIALS ACCEPTED BY A/E.
B. EQUIPMENT SHALL BE OF THE TYPE AND CAPACITY SHOWN ON DRAWINGS, SPECIFICATION EQUIPMENT SCHEDULES, AND BY MANUFACTURERS DESIGNATED IN SPECIFICATIONS.
C. USE THE SAME MANUFACTURER OF EQUIPMENT FOR PARTS REPLACEMENT AND MAINTENANCE.
D. EQUIPMENT, MATERIALS, AND COMPONENTS SHALL BE NEW AND CURRENT PRODUCTS OF MANUFACTURERS ENGAGED IN PRODUCTION OF SUCH EQUIPMENT ARRANGED TO FIT PROPERLY INTO BUILDING SPACES. ACCEPTANCE OR APPROVAL IS REQUIRED BY AUTHORITY HAVING JURISDICTION. MATERIALS USED IN FIRE RATED CONSTRUCTION AND IN ELECTRICAL WORK SHALL BE UL LISTED.
E. HARDWARE AND ACCESSORY FITTINGS SHALL BE STANDARD SIZE DESIGNED, INTENDED, OR APPROPRIATED FOR THE USE. FURNISH WITH CORROSION PROTECTIONS SUITABLE FOR THE INSTALLED ATMOSPHERE.
F. COORDINATE SPACE REQUIREMENTS, MOUNTING ARRANGEMENTS, AND SERVICE CONNECTIONS WHEN SUBSTITUTE EQUIPMENT IS FURNISHED.
G. ALL MATERIALS AND/OR EQUIPMENT SHALL BEAR THE LABEL OF THE UNDERWRITER'S LABORATORIES (UL) AND SHALL BE MATERIAL APPROVED FOR USE BY LOCAL CODE ENFORCING AUTHORITIES.

CONTINUATION

1.10 EQUIPMENT INSTALLATION

A. OBTAIN SERVICES OF MANUFACTURERS' AUTHORIZED REPRESENTATIVES OF MAJOR ELECTRICAL EQUIPMENT AT JOB SITE DURING ERECTION OR CONSTRUCTION OF THEIR EQUIPMENT TO INSURE PROPER INSTALLATION. FAILURE TO HAVE SUCH CHECKS BY MANUFACTURERS AUTHORIZED REPRESENTATIVES SHALL PLACE FULL RESPONSIBILITY FOR PROPER INSTALLATIONS ON CONTRACTOR WHO SHALL MAKE ANY CORRECTIONS AT NO ADDITIONAL COST TO THE OWNER.
B. WHERE NECESSARY TO MEET SPACE CONDITIONS, BRING EQUIPMENT TO ITS ULTIMATE LOCATION DISASSEMBLED AND ASSEMBLE IN PLACE. PROVIDE FLANGES, STUDS, AND THE NEEDED ACCESSORIES FOR MATCHING, ALIGNMENT, AND FIELD ASSEMBLY.
C. CONDUCT FIELD TESTS OF EQUIPMENT DURING AND AFTER ASSEMBLY UNDER DIRECT SUPERVISION OF MANUFACTURER'S AUTHORIZED REPRESENTATIVE.
UPON SATISFACTORY CONCLUSION OF FIELD TESTS, MANUFACTURER SHALL FURNISH, FOR EACH SUCH APPARATUS OR EQUIPMENT, A WRITTEN STATEMENT CERTIFYING THERE HAS BEEN NO INVALIDATION OF AND WARRANTIES NOR IMPAIRMENT OF CAPACITY OF FUNCTIONING OF EQUIPMENT.
FIELD TESTS SHALL BE IN ADDITION TO FACTORY TESTS, SHOP TEST, AND ADJUSTMENTS.
D. ALL CONDUCTORS SHALL BE COPPER, THWN/THHN, #12 AWG MINIMUM UNLESS OTHERWISE NOTED ON PLANS. ALL CONDUCTORS SHALL BE RUN IN CONDUIT, 3/4" MINIMUM TRADE SIZE UNLESS OTHERWISE NOTED ON PLANS.
E. PROVIDE A TYPEWRITTEN PANEL DIRECTORY FOR EACH PANEL.
F. ALTERNATE EMERGENCY LIGHTING CIRCUITS SO THAT FAILURE OF A CIRCUIT BREAKER DOES NOT LEAVE THE AREA IN TOTAL DARKNESS.
G. PROVIDE 3/4" CONDUIT FOR A/C CONTROL WIRES TO ALL MECHANICAL EQUIPMENT.
H. ALL EXPOSED CONDUITS ON EXPOSED AREAS TO BE RIGS (PVC COATED).
I. EXPOSED CONDUITS IN AREAS ABOUT 10' ALUMINUN RIGS COULD BE USED..

ELECTRICAL CODES AND STANDARDS

1.01 REFERENCES

A. COMPLY WITH THE FLORIDA BUILDING CODE 2023, 8th EDITION
B. ALL OR PORTIONS OF THE FOLLOWING CODES ARE INCORPORATED IN AND MADE A PART OF THE FBC:
1. NATIONAL ELECTRIC CODE (NEC), 2020 EDITION, NFPA 70
2. NATIONAL FIRE CODE (NFPA 72), 2019 EDITION
3. NATIONAL FIRE PROTECTION ASSOCIATION (NFPA), STANDARDS
4. EFFICIENCY REQUIREMENTS OF THE 2018 IECC CHAPTER 4 - COMMERCIAL ENERGEY EFFICENCY FOR EXTERIOR LIGHTING C405.4.2

1.02 QUALITY ASSURANCE

A. WHERE MATERIALS AND EQUIPMENT ARE AVAILABLE UNDER THE CONTINUING INSPECTION AND LISTING SERVICE OF UNDERWRITERS LABORATORIES (UL) FURNISH MATERIALS AND EQUIPMENT SO LISTED.
B. A MAXIMUM RATIO OF 3 HELPERS TO 1 JOURNEYMAN ARE ALLOWED.

BASIC MATERIALS AND METHODS

1.01 SUMMARY

A. COORDINATION:
1. EXAMINE DRAWINGS AND VISIT THE SITE TO DETERMINE THE WORK TO BE PERFORMED BY THE ELECTRICAL TRADES.
2. PROVIDE ANY AND ALL REQUIRED ELECTRICAL WORK, MATERIALS AND EQUIPMENT TO PUT INTO OPERATION, COMPLETELY WIRED, TESTED AND READY FOR USE SYSTEMS. INCLUDING RACEWAYS, CONDUCTORS AND/OR OTHER DEVICES FOR PROPER OPERATION OF ELECTRICAL SYSTEMS AND EQUIPMENT
3. SEAL CONDUIT AND PIPE PENETRATIONS WITH APPROPRIATELY RATED COMPOUNDS.
4. ALL CONDUIT PENETRATIONS SHALL BE SLEEVED WITH "HILTI" SLEEVES TO MAINTAIN THE RATING OF THE FLOOR PENETRATED.
5. PAINT NEWLY INSTALLED EXPOSED CONDUITS AND BOXES TO MATCH THE COLOR OF THE SURFACE ON WHICH THEY ARE INSTALLED.
6. PATCH, REPAIR AND PAINT EXISTING WALLS AND SURFACES DAMAGED OR MARRED BY THE INSTALLATION OF THE NEW WORK.
7. PROVIDE A TYPEWRITTEN PANEL DIRECTORY FOR EACH PANEL.
8. THE CONTRACTOR SHALL SATISFACTORY REPAIR OR REPLACE EQUIPMENT DAMAGED AS A RESULT OF HIS WORK.
9. FUSES SHALL BE DUAL ELEMENT, TIME DELAY TYPE EQUAL TO "LITTLEFUSE" UNLESS NOTED OTHERWISE.
10. EQUIPMENT ELECTRICAL LOCATION AND CONNECTIONS TO BE MADE IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
11. FINAL LOCATION OF ALL ELECTRICAL RECEPTACLES AND TELECOM JACKS TO BE COORDINATED WITH ARCHITECT PRIOR TO ROUGH-IN FOR EXACT LOCATION.

1.02 SUBMITTALS

A. MANUFACTURERS DATA
1. COMPLETE LIST OF MATERIALS SHALL BE FURNISHED.
2. MANUFACTURERS SPECIFICATIONS AND OTHER DATA REQUIRED TO ASSURE SPECIFICATION COMPLIANCE.
3. CATALOG CUTS CLEARLY MARKED FOR IDENTIFICATION OF ITEMS PROVIDED INCLUDING DISCONNECTS, BREAKERS, FUSES, STARTERS, CONDUITS, WIRING, SUPPORTS OR OTHER MATERIALS NOT REQUIRING SPECIALTY SHOP DRAWINGS.

B. SHOP DRAWINGS FOR NONSTANDARD ITEMS, INCLUDING BUT NOT LIMITED TO LIGHTING STANDARDS OR SIMILAR PRODUCTS.
C. CONTRACT CLOSEOUT SUBMITTALS:
1. RECORD DRAWINGS.
2. WARRANTIES.
3. OPERATING INSTRUCTIONS, MAINTENANCE MANUALS, AND PARTS LISTS.

1.03 DELIVERY, STORAGE, AND HANDLING

A. DELIVERY AND STORAGE
1. DELIVER MATERIALS TO JOBSITE IN THEIR ORIGINAL UNOPENED CONTAINERS WITH LABELS AND CERTIFICATIONS INTACT AND CLEARLY LEGIBLE AT TIME OF USE.
2. STORE MATERIALS ACCORDING TO MANUFACTURERS' RECOMMENDATIONS.

B. REPLACEMENT: IN CASE OF DAMAGE, PILFERAGE, OR OTHER LOSS, MAKE IMMEDIATE REPAIR OR REPLACEMENT OF MATERIALS NECESSARY.
C. PROTECTION: USE NECESSARY MEANS TO PROTECT MATERIALS OF THIS SECTION BEFORE, DURING, AND AFTER INSTALLATION, INCLUDING PROTECTION OF INSTALLED WORK AND MATERIALS OF OTHER TRADES.

Electrical Sheet List

E-001	ELECTRICAL LEGEND & NOTES, FIX. SCHEDULE
E-101	ELECTRICAL SITE PLAN
E-102	ELECTRICAL SITE PHOTOMETRY
E-103	ELECTRICAL CONDUIT ROUTING FIRST LEVEL
E-104	ELECTRICAL CONDUIT ROUTING SIXTH LEVEL
E-201	LEVEL 01 POWER
E-202	LEVEL 02 POWER
E-203	LEVEL 03 POWER
E-204	LEVEL 04 POWER
E-205	LEVEL 05 POWER
E-206	LEVEL 06 POWER
E-207	LEVEL 07 ROOF POWER
E-208	LEVEL 01 SYSTEMS
E-208B	LEVEL 01B SPEED RAMP SYSTEMS
E-209	LEVEL 02 SYSTEMS
E-210	LEVEL 03 SYSTEMS
E-211	LEVEL 04 SYSTEMS
E-212	LEVEL 05 SYSTEMS
E-213	LEVEL 06 SYSTEMS
E-301	LEVEL 01 LIGHTING
E-301B	LEVEL 01B SPEED- RAMP LIGHTING
E-302	LEVEL 02 LIGHTING
E-303	LEVEL 03 LIGHTING
E-304	LEVEL 04 LIGHTING
E-305	LEVEL 05 LIGHTING
E-306	LEVEL 06 LIGHTING
E-308	LEVEL 01B SPEED RAMP NORMAL AND EMERGENCY PHOTOMETRY
E-309	LEVEL 02 NORMAL PHOTOMETRY
E-310	LEVEL 02 EMERGENCY PHOTOMETRY
E-311	LEVEL 03 NORMAL PHOTOMETRY
E-312	LEVEL 03 EMERGENCY PHOTOMETRY
E-313	LEVEL 04 NORMAL PHOTOMETRY
E-314	LEVEL 04 EMERGENCY PHOTOMETRY
E-315	LEVEL 05 NORMAL PHOTOMETRY
E-316	LEVEL 05 EMERGENCY PHOTOMETRY
E-401	ENLARGED PLANS -ELEC, IT ROOM
E-402	ENLARGED PLANS -IT ROOM
E-403	ENLARGED PLANS -ELEC, IT ROOMS
E-404	ENLARGED PLANS -GENERATOR , MECH. ROOM
E-405	STAIR ELEVATIONS
E-501	ELECTRICAL RISER
E-502	FIRE ALARM RISER, GRAL NOTES ,DETAILS
E-503	SYSTEMS RISER
E-505	BDA RISER DIAGRAM
E-601	ELECTRICAL DETAILS
E-701	PANEL SCHEDULES FIRE STATION
E-702	PANEL SCHEDULES POLICE STATION
E-703	PANEL SCHEDULES VILLAGE HALL
E-704	PANEL SCHEDULES SHELL SPACE
E-705	PANEL SCHEDULES, EV, ELV, SR, DEP
E-706	EQUIPMENT CONNECTION SCHEDULE

AT A MINIMUM THE CONTRACTOR SHALL SUBMIT THE FOLLOWING SYSTEMS DEFERAL SUBMITTALS:

- FIRE ALARM SYSTEM
- LIGHTNING PROTECTION SYSTEM
- ACCESS CONTROL SYSTEM
- BDA SYSTEM
- ARCH FLASH STUDY
- CIRCUIT BREAKER COORDINATION STUDY

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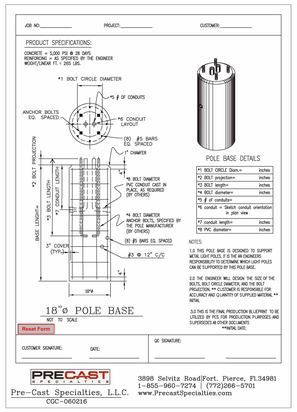
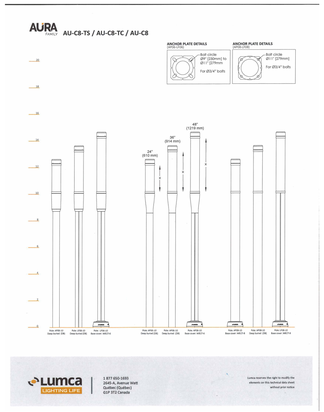
SDM CONSULTING ENGINEERS
135



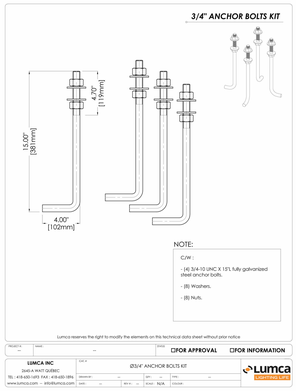
POLE BASE DETAIL

NTS



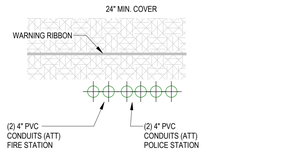
POLE AND ANCHOR PLATE DETAIL

NTS

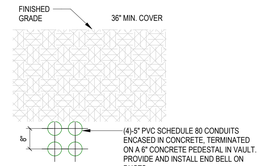


ANCHOR BOLT DETAIL

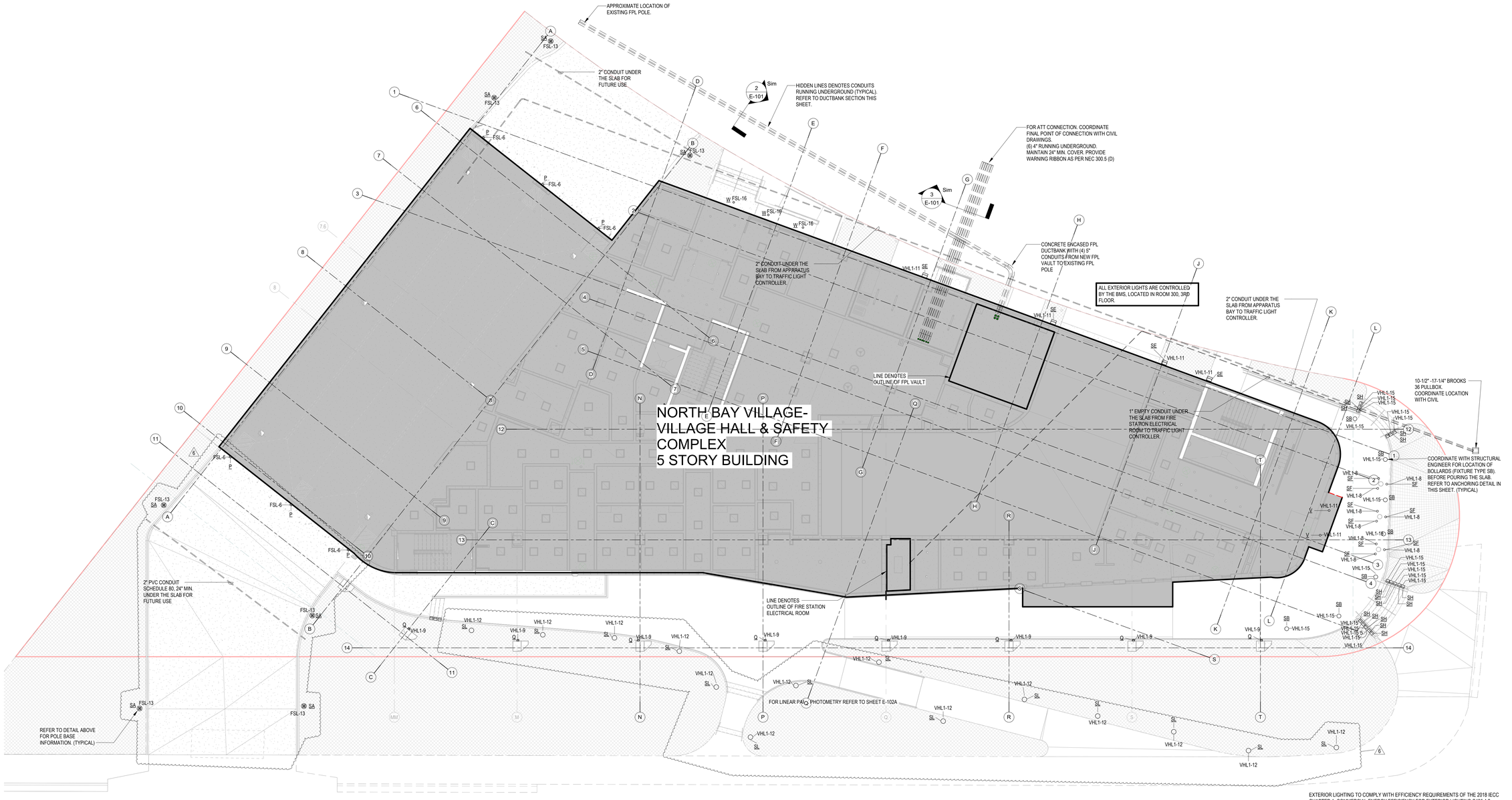
NTS



3 E-101 MAIN SERVICE FROM ATT
1/2" = 1'-0"



2 E-101 SERVICE TO FPL
1/2" = 1'-0"



1 E-101 ELECTRICAL SITE PLAN
1" = 10'-0"

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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Luminaire Schedule

Symbol	Qty	Label	Description	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
	6	P	LU-WPS 12in 7W 40K 120 @ 10FT WALL MNT	0.900	398	7.46	44.76
	8	Q	LU-WP (A 20W 40LK L5S) (B FRONT 13W 40K) (C DOWN 20W40K L4) @ 12FT WALL MNT	0.900	N.A.	N.A.	439.28
	7	SA	AU-C8-48-28LED95-1050MA-VOLTAGE-L5-4000K-C80-FINISH/AP-08-16FT-WB27-8 @ POLE 16FT AFG	0.900	8407	91.23	638.61
	7	SB	AU-B6 28LED02 20W 120V L4 30KC80 @ 3.5FT AFG	0.900	1733	20.2	141.4
	4	SE	GWM-A06-740-T3M @ 10FT WALL MNT	0.900	2968	16.3	65.2
	9	SF	FCD803R-UNV-4K-CRI84-30L-SS-SP-LD	0.900	2636	29.9	269.1
	19	SH	FCSL101-120V-4K-SS-ETL FIXTURE	0.900	453	8	152
	14	SL	DW102-SO-T3 @ 4FT AFG	0.900	679	13.803	193.242
	5	W	DL360B-L26-BWW-T35 @ 10FT CEILING SURFACE	0.900	2828	30	150

Calculation Summary

Label	Units	Avg	Max	Min	Avg/Min	Max/Min	CalcType
NW ENTRANCCE	Fc	3.29	5.8	1.3	2.53	4.46	Illuminance
SIDEWALK & RAMP (N)	Fc	3.75	6.7	1.4	2.68	4.79	Illuminance
SOUTH SIDEWALK (EXT LONG)	Fc	2.35	3.4	1.5	1.57	2.27	Illuminance
SOUTH SIDEWALK (EXT)	Fc	2.90	4.2	1.4	2.07	3.00	Illuminance
SW ENTRANCE	Fc	3.17	5.4	1.4	2.26	3.86	Illuminance
SW STAIR	Fc	18.50	18.5	18.5	1.00	1.00	Illuminance
COVERED SIDEWALK (SOUTH)	Fc	3.00	18.5	1.6	1.88	11.56	Illuminance
RAMP (NW)	Fc	15.04	22.1	5.2	2.89	4.25	Illuminance
STAIR (NE)	Fc	19.44	27.1	11.6	1.68	2.34	Illuminance
STAIR (SE)	Fc	17.82	31.2	10.7	1.67	2.92	Illuminance
STAIR @ NW	Fc	19.53	28.0	11.0	1.78	2.55	Illuminance



1 E-102 ELECTRICAL SITE PHOTOMETRY
1" = 10'-0"

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6	Revision 6	10/27/2025

ELECTRICAL SITE PHOTOMETRY

E-102

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



1 E-103 01-Electrical Conduit Routing
1/8" = 1'-0"

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1	Bldg. Comments	11/08/2024
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ELECTRICAL CONDUIT ROUTING FIRST LEVEL

E-103

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



1 E-104 06-Electrical Conduit Routing
1/8" = 1'-0"

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4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

ELECTRICAL CONDUIT ROUTING SIXTH LEVEL 4

E-104

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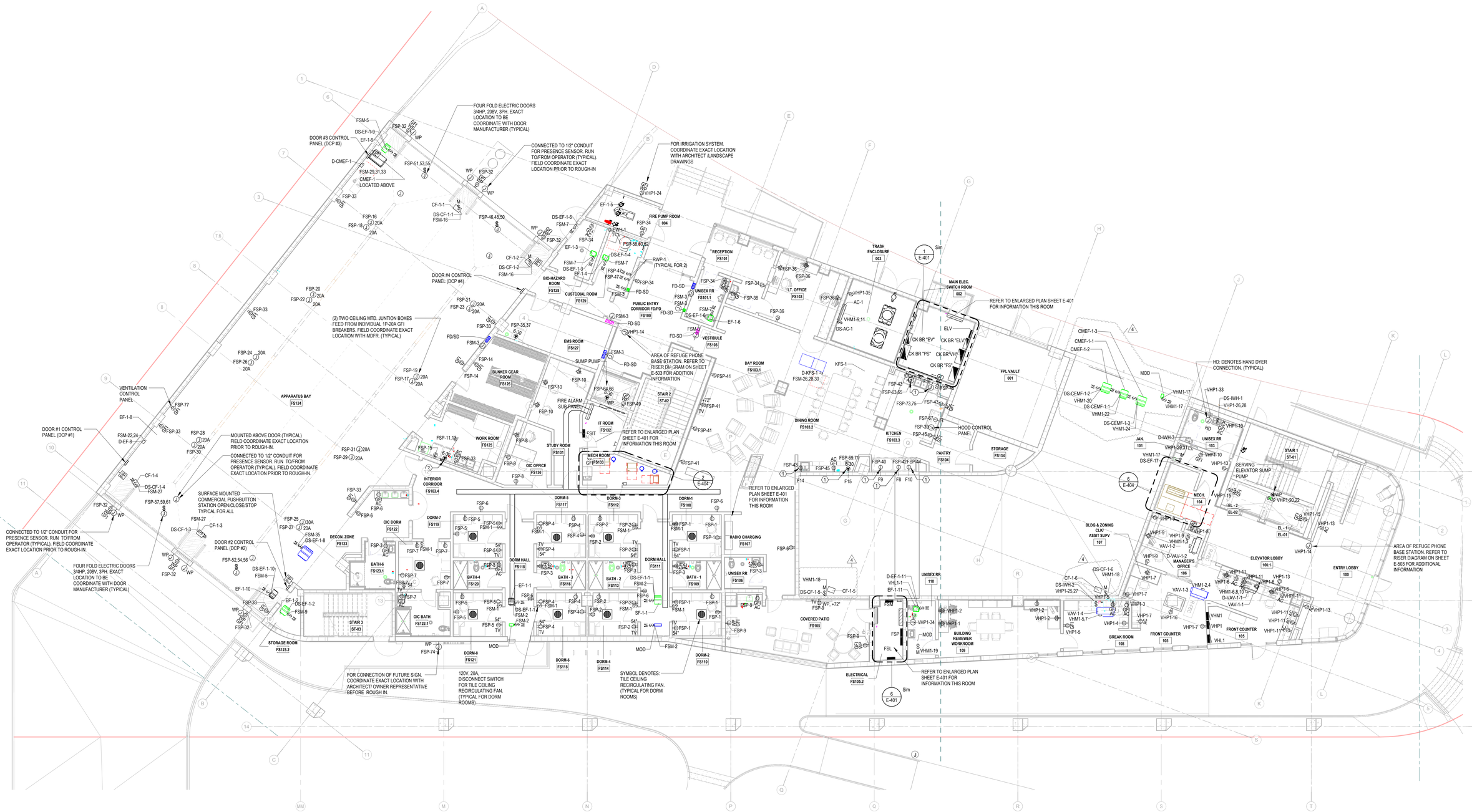

1 E-201 01-Power Floor Plan
1/8" = 1'-0"

Kitchen Equipment Connection Schedule

Identity	Equipment Served	Electrical Voltage	Current Load	Electrical Poles
F8	Refrigerator	120 V	3.0 A	1
F9	Refrigerator	120 V	5.4 A	1
F10	Freezer	120 V	6.3 A	1
F14	Self contained Cube Ice Maker	120 V	4.2 A	1
F15	Ice Cube Machine	208 V	8.3 A	2
F16	Dishwasher	208 V	27.0 A	2
F16	Dishwasher	208 V	27.0 A	2
R	Gas Range	120 V	2.0 A	1

- VERIFY MOUNTING HEIGHT AND EXACT LOCATION OF RECEPTACLES SERVING KITCHEN APPLIANCES WITH ARCHITECTURAL ELEVATIONS AND EQUIPMENT CUT SHEETS BEFORE TO ROUGH IN.

KEYNOTES

1 Provide GFI protection at the breaker
2 Provide branch circuit with a (4) four conductor cord as per NEC 250.140

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2	Revision 2	01/17/2025
4	Revision 4	06/30/2025

LEVEL 01 POWER

E-201

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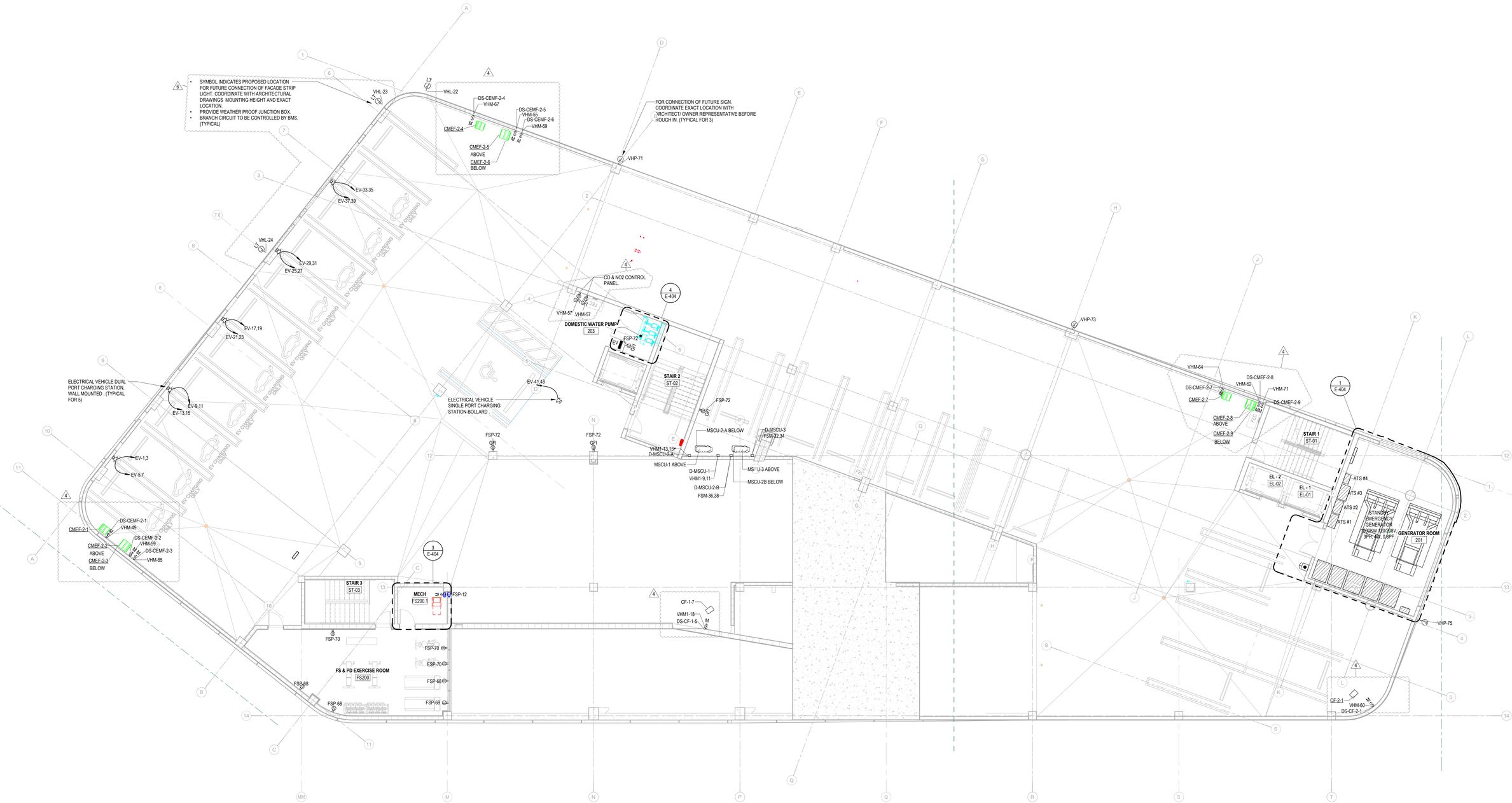

1 E-202 02-Power Floor Plan
1/8" = 1'-0"

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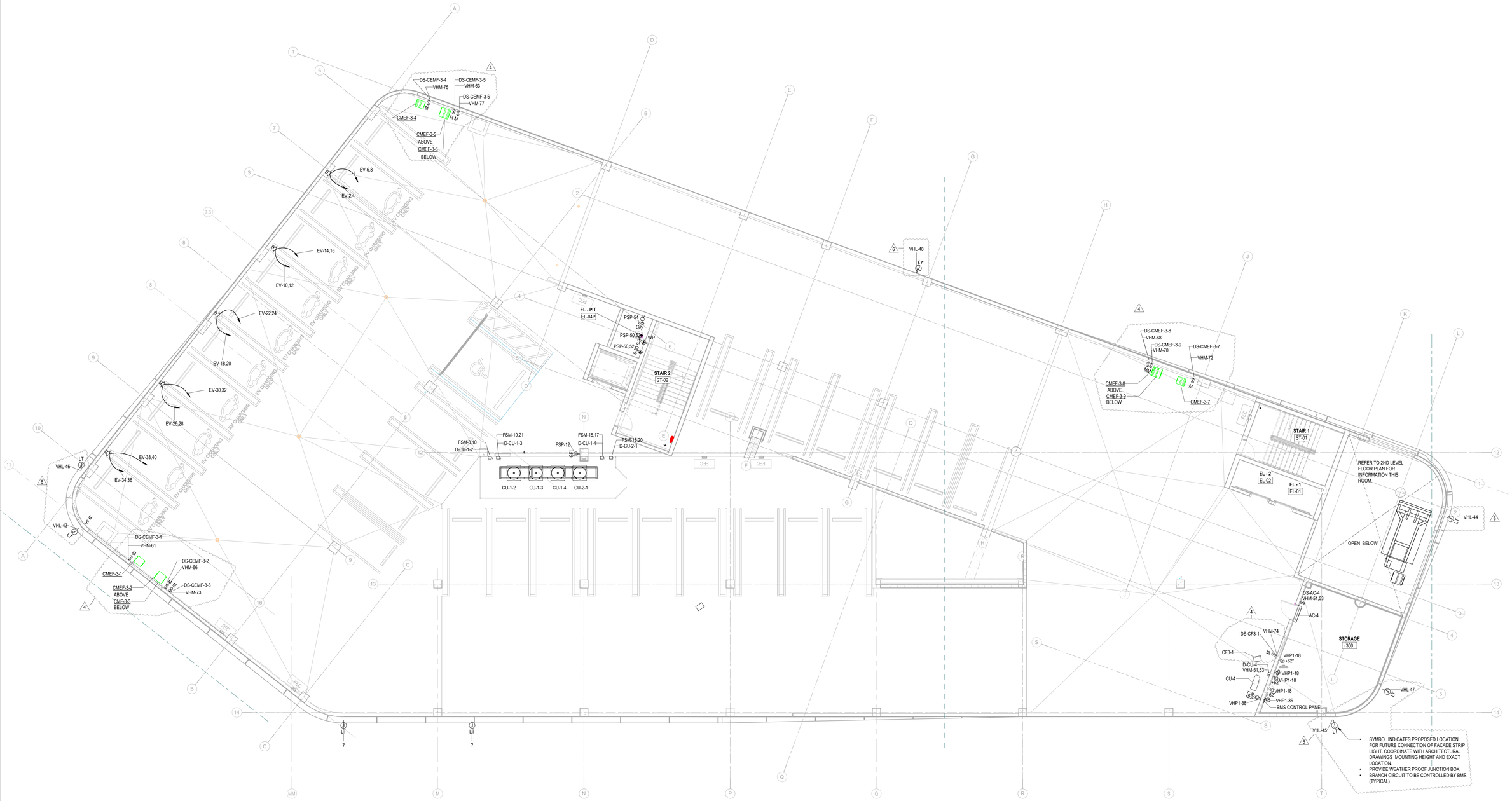
4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

LEVEL 02 POWER

E-202



1 E-203 03-Power Floor Plan
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REV	DESCRIPTION	DATE
1	Bldg. Comments	11/08/2024
2	Revision 2	01/17/2025
4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

LEVEL 03 POWER

E-203

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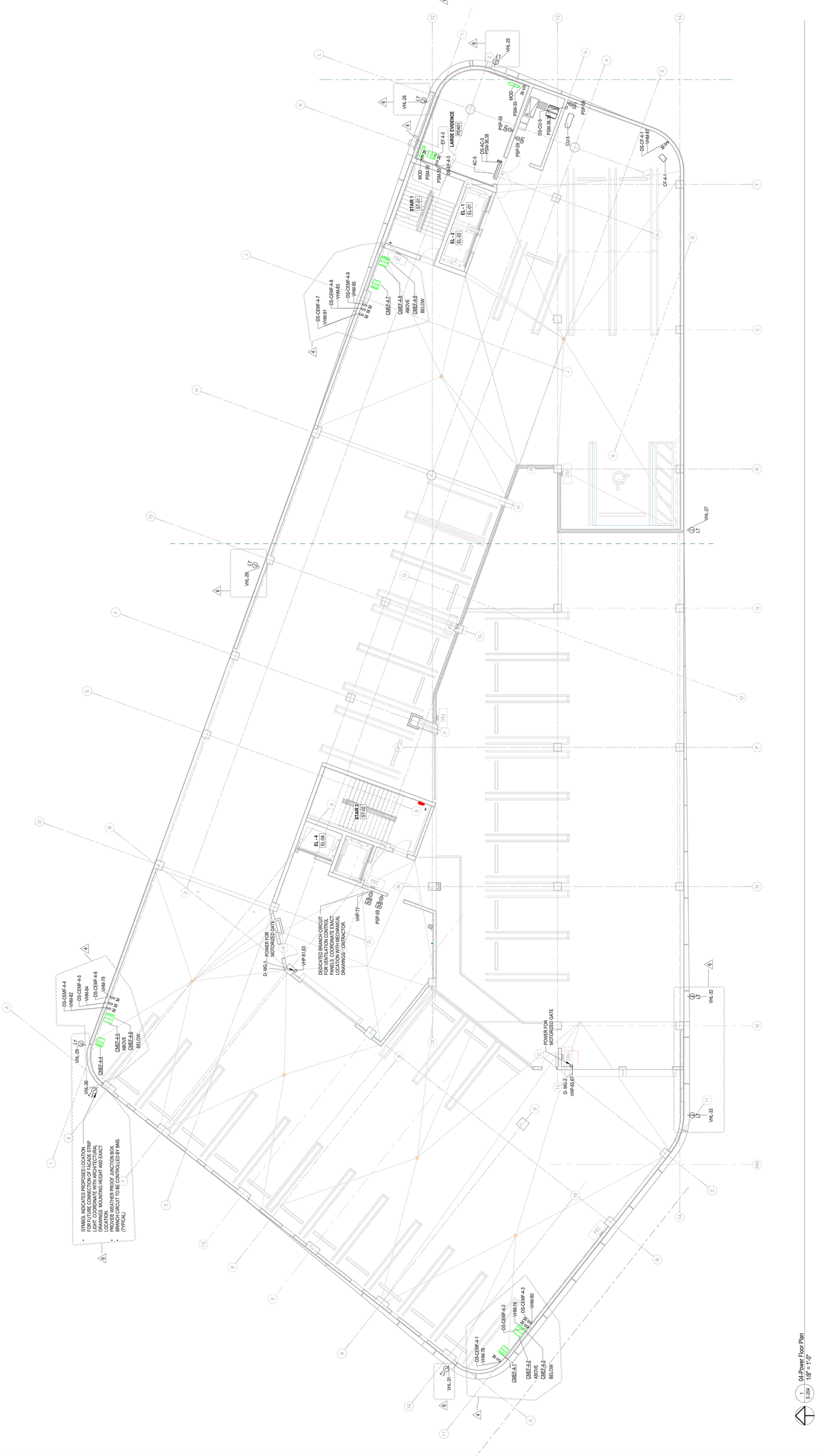

REV	DESCRIPTION	DATE
4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

LEVEL 04 POWER

E-204

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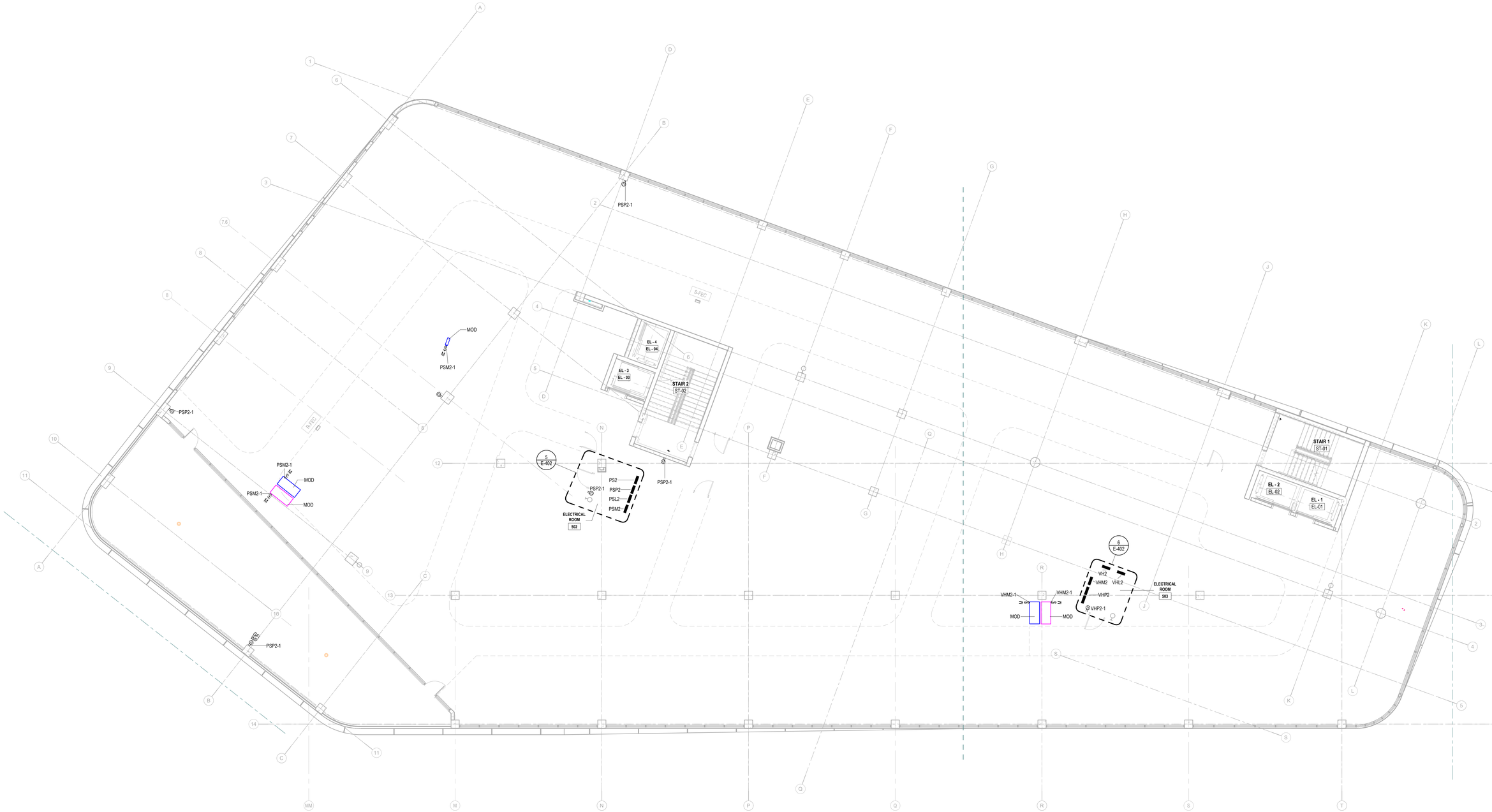

1 E-205 05-Power Floor Plan
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LEVEL 05 POWER

4

E-205

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NUMBERED NOTES:

1. WALL MOUNTED, NON FUSED DISCONNECT, TO BE LOCATED ADJACENT TO THE MOTOR CONTROLLER. THIS DISCONNECT MUST ALSO
   A. BE LOCKABLE IN THE CLOSED POSITION WITH A LOCKING MECHANISM THAT CANNOT BE REMOVED FROM THE DEVICE
   B. HAVE AN AUXILIARY (DRY) CONTACT THAT IS POSITIVELY DRIVEN AND OPENS WHEN THE SWITCH IS OPEN.
2. DEDICATED RECEPTACLE SERVING FIRE SUPPRESSION CONTROL PANEL, COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH MECHANICAL DRAWINGS.

- SYMBOL INDICATES PROPOSED LOCATION FOR FUTURE CONNECTION OF FACADE STRIP LIGHT. COORDINATE WITH ARCHITECTURAL DRAWINGS MOUNTING HEIGHT AND EXACT LOCATION.
- PROVIDE WEATHER PROOF JUNCTION BOX.
- BRANCH CIRCUIT TO BE CONTROLLED BY BMS. (TYPICAL)

MOD: DENOTES, MOTOR OPERATED DAMPER. (TYPICAL)

ELECTRICAL EQUIPMENT INSTALLED ABOVE CEILING OR IN THE OPEN SPACE SHALL COMPLY WITH NEC-2020 ART. 110.26(A) WORKING SPACE.
A.- DEPTH AS REQUIRED BY TABLE 110.26(A)(1).
B.- WIDTH OF THE ELECTRICAL EQUIPMENT OR 30 INCHES (WHICHEVER IS GREATER).
C.- WORKSPACE SHALL PERMIT AT LEAST 90 OPENING THE EQUIPMENT DOOR OR HINGED PANELS.
D.- HEIGHT SHALL BE CLEAR AND EXTENDED FROM THE GRADE, FLOOR, OR PLATFORM TO A HEIGHT OF 6 FEET OR THE HEIGHT OF THE EQUIPMENT, WHICHEVER IS GREATER.
E.- OTHERS EQUIPMENT THAT ARE ASSOCIATED WITH THE ELECTRICAL INSTALLATION AND IS LOCATED ABOVE OR BELOW THE ELECTRICAL EQUIPMENT SHALL BE PERMITTED TO EXTEND NOT MORE THAN 6 INCHES BEYOND THE FRONT OF THE ELECTRICAL EQUIPMENT.
F.- THE MINIMUM ACCESS SHALL BE AN OPENING NOT SMALLER THAN 22" (ABOVE THE LAY-IN CEILING) OR 22" X 30" (IN A CRAWL SPACE)

FOR THE VILLAGE CHAMBERS AUDIO/VISUAL SPACE, CONTRACTOR SHALL INCLUDE IN HIS BID/COST AN ALLOWANCE OF AT LEAST $100,000 FOR A FULL A/V SYSTEM AND AT A MINIMUM PROVIDE THE FOLLOWING:

- ONE MICROPHONE AT EACH POSITION OF THE DAIS, ONE MICROPHONE AT THE SPEAKING PODIUM, AND ONE MICROPHONE IN THE ADJACENT A/V STORAGE ROOM
- ONE SOUND AMPLIFIER IN THE ADJACENT A/V STORAGE ROOM
- ONE SOUND MIXER WITH AT LEAST 12 INPUTS IN THE ADJACENT A/V STORAGE ROOM
- ONE SOUND EQUALIZER IN THE ADJACENT A/V/ STORAGE ROOM
- 12 SOUND SPEAKERS (CEILING MOUNTED, RECESSED) IN THE CHAMBERS SPACE AND ONE MONITOR SPEAKER IN THE ADJACENT A/V STORAGE SPACE
- THREE CEILING MOUNTED WEBCAMS (CEILING MOUNTED) AIMED AT THE DAIS, ONE WALL OR CEILING MOUNTED WEBCAM (BEHIND THE DAIS) AIMED AT THE AUDIENCE, ONE CEILING MOUNTED WEBCAM AIMED AT THE SPEAKING PODIUM, AND ONE CEILING MOUNTED WEBCAM IN THE BACK OF THE SEATING SPACE AIMED AT THE ENTIRE ROOM
- DATA/NETWORK CONNECTIONS AT EACH POSITION IN THE DAIS, AT THE SPEAKING PODIUM AND IN THE ADJACENT A/V STORAGE ROOM (JUST BELOW THE SEE-THROUGH WINDOW)
- DATA/NETWORK AND CABLE TV CONNECTIONS AT EACH OF THE TWO TV/SCREEN LOCATIONS IN THE CHAMBERS SPACE AND IN THE ADJACENT A/V STORAGE ROOM(JUST BELOW THE SEE-THROUGH WINDOW)
- ADDITIONAL EMPTY CONDUIT INFRASTRUCTURE (1 " MIN) BETWEEN EACH POSITION OF THE DAIS AND ADJACENT A/V STORAGE ROOM, THE SPEAKING PODIUM AND ADJACENT A/V STORAGE ROOM, AND EACH TV/SCREEN LOCATION AND ADJACENT A/V STORAGE ROOM FOR INTERCONNECTIVITY.

1 E-206 06-Power Floor Plan
1/8" = 1'-0"

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

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REV	DESCRIPTION	DATE
1	Bldg. Comments	11/08/2024
2	Revision 2	01/17/2025
4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

LEVEL 06 POWER

E-206

LIGHTNING PROTECTION GROUND ROD WITH TEST WELL AT EACH BUILDING'S CORNER.

MAIN LIGHTNING PROTECTION CONDUCTOR, UL LABELED COPPER CABLE, 28 STRANDS OF 14 GAUGE TYPICAL.

CONTRACTOR IS REQUESTED TO SUBMIT TO ENGINEER OF RECORD (EOR) FOR REVIEW AND APPROVAL PRIOR TO SUBMIT TO BUILDING DEPARTMENT OF NORTH BAY VILLAGE, SIGNED AND SEALED SHOP DRAWINGS BY A LICENSED FLORIDA PROFESSIONAL ENGINEER FOR LIGHTNING PROTECTION SYSTEM (NFPA 780-2017)

LIGHTNING PROTECTION AIR TERMINAL, 5/8" X 12" LONG. (TYPICAL)

EF-6-6 — DS-EF-6-6 PSM-31

DS-EF-6-1 PSM2-2,4 WP — REF-6-1 — DS-EF-6-4 PSM-31 WP — EF-6-4

LIGHTNING PROTECTION DOWN CONDUCTOR 28 STRANDS, 14 GAUGE MINIMUM ON COLUMN TO GROUND ROD ON GROUND LEVEL. (TYPICAL)

RUN CABLE UP TO HIGHER ROOF, TYP

EF-4-2 — DS-EF-4-2 VHM-47 WP

EF-4-1 — DS-EF-4-1 VHM-47 WP

LIGHTING PROTECTION AIR TERMINAL, 5/8" X 12" LONG. (TYPICAL)

DS-EF-6-5 PSM-31 WP — EF-6-5

STRUCTURES EXCEDDING 250FT IN PERIMETER SHALL HAVE A DOWN CONDUCTOR FOR EVERY 100FT OF PERIMETER OR FRACTION THEREOF PER NFPA 780.4.9.10.1

FIRE STATION ANTENNA MAST LOCATIONS. SEE DETAIL 3 ON SHEET E-503 FOR DETAILS

POLICE DEPARTMENT ANTENNA MAST LOCATIONS. SEE DETAIL 4 ON SHEET E-503 FOR DETAILS

18"x18"x10" WP GASKETED JUNCTION BOX, SURFACE MOUNTED ONTO THE WALL. SEE DWG E-503 FOR DETAIL

10'-0"

10'-0"

STRUCTURES EXCEDDING 250FT IN PERIMETER SHALL HAVE A DOWN CONDUCTOR FOR EVERY 100FT OF PERIMETER OR FRACTION THEREOF PER NFPA 780.4.9.10.1

SECONDARY BONDING CONDUCTOR (TYPICAL)

VHM-45 — KEF-1

WP — D-KEF-1 — PSM-30,32,34

PROVIDE J-BOX AND 3/4" CONDUIT WITH CAT7 WIRE FOR CONNECTION OF DOCKING PLATFORM. COORDINATE WITH OWNER IT DEPARTMENT AND MANUFACUTERE INSTALLATION INSTRUCTIOS

FOR CONNECTION OF DOCKING PLATFORM FOR POLICE DRONE EQUIPMENT. CONTRACTOR TO COORDINATE WITH MANUFACTURER INSTALLATION INSTRUCTIONS.

PSM-40,42 — CU-1-1 VHM-45 — D-CU-1-1 VHM-46,48,50 — DS-REF-6-2 VHM2-2,4 WP — REF-6-2

DS-EF-6-3 WP VHM-43 — EF-6-3

RTU-5-1 — DS-EF-6-1 WP PSM-31 — EF-6-1 — PSM-33 — D-RTU-5-1 PS-5

MAIN LIGHTNING PROTECTION CONDUCTOR, UL LABELED COPPER CABLE, 28 STRANDS OF 14 GAUGE TYPICAL.

RTU-6-1 — VHL-20 — D-RTU-6-1 VH-5 — VHM-45

BDA DONOR ANTENNA MAST. REFER TO SHEET E-505 FOR ADDITIONAL INFORMATION. CONTRACTOR TO COORDINATE ANTENA LOCATION ON THE FIELD. BDA ANTENNA TO BE LOCATED FACING THE DIRECTION OF THE MOBILE SIGNAL REPEATER CELL TOWER.

DS-EF-6-2 WP PSM-31 — EF-6-2 — PSM-33

AIR TERMINAL ON TOP OF MECHANICAL EQUIPMENT. (TYPICAL)

RTU-6-2 — D-RTU-6-2 VH-6 — VHM-45 — D-RTU-6-3 VH-7 — RTU-6-3 — VHL-20

RTU-5-2 — VH-8 D-RTU-5-2

LIGHTING PROTECTION AIR TERMINAL, 5/8" X 12" LONG. (TYPICAL)

SECONDARY BONDING CONDUCTOR (TYPICAL)

1 E-207 Roof-Power Floor Plan
1/8" = 1'-0"

BLUNT POINT NICKEL PLATED COPPER AIR TERMINAL (1/2" Ø X12")

PARAPET MOUNT POINT BASE

BARE COPPER MAIN CONDUCTOR

COPPER LOOP CABLE HOLDER @ 3'-0" O/C

EQUIPMENT CABLE CONNECTOR.

PIPING CABLE CONDUCTOR

BLUNT POINT SOLID COPPER POINT W/NICKEL PLATED TIP (1/2" Ø X12")

PARAPET POINT BASE

FINGER CRIMP

COPPER CABLE. COURSE CABLE BELOW GRADE TO GROUND ROD CONNECTION

GROUND ROD CLAMP.

3/4"X20'-0" COPPER CLAD STEEL GROUND ROD. REFER TO LAYOUT FOR EXACT LOCATION.

PARAPET ROOF CONDUCTOR CABLE HOLDER

FINGER CRIMP

TEE CABLE SPLICER

2 E-207 LIGHTNING PROTECTION DETAILS
NOT TO SCALE

INSTALLATION NOTES

- MATERIALS SHALL NOT BE INSTALLED ON COPPER ROOFING OR COPPER SIDING OR OTHER COPPER SURFACES.
- THE LIGHTNING PROTECTION SYSTEM SHALL BE INSTALLED IN A NEAT AND INCONSPICUOUS MANNER SO THAT ALL COMPONENTS WILL BLEND IN WITH THE APPEARANCE OF THE BUILDING.
- ACTUAL JOB-SITE CONDITIONS MAY NECESSITATE SLIGHT ALTERATIONS IN AIR TERMINAL AND GROUND ROD LOCATIONS.
- IF REQUIRED, ANY SACRIFICIAL ROOFING PADS, SHALL BE FURNISHED AND INSTALLED BY THE ROOFING CONTRACTOR.
- ALL ADHESIVE TYPE FITTINGS SHALL BE SET IN PLACE WITH AN APPLICATION OF SONNEBORN NP-1 COMPOUND BEFORE ROOF GRAVEL IS APPLIED.
- SEAL ENDS OF CONDUIT MOISTURE TIGHT WITH DUCT SEAL OR LEAD WEDGE.
- ALL CONDUIT, CONDUIT FASTENERS AND MISCELLANEOUS ACCESSORIES SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
- ALL REINFORCING, STRUCTURAL, FRAMING AND MISCELLANEOUS STEEL SHALL BE MADE ELECTRICALLY CONTINUOUS THROUGHOUT CONSTRUCTION BY WELDING, CLIPPING, BOLTING OR OTHER APPROVED METHODS.
- THE DESIGN LAYOUT AND INSTALLATION DETAILS SHOWN HEREON SHALL MEET THE REQUIREMENTS OF UNDERWRITERS' LABORATORIES.
- STANDARD 96A FOR MASTER LABELED LIGHTNING PROTECTION SYSTEMS.
- THE LIGHTNING PROTECTION INSTALLATION SHALL COMPLY IN ALL RESPECTS TO LIGHTNING PROTECTION INSTITUTE STANDARD 175.
- THE INSTALLATION SHALL BE MADE BY OR UNDER THE SUPERVISION OF AN L.P.I. CERTIFIED MASTER INSTALLER.
- THE DESIGN LAYOUT AND INSTALLATION DETAILS SHOWN HEREON SHALL MEET THE REQUIREMENTS OF NATIONAL FIRE PROTECTION ASSOCIATION STANDARD #780, CURRENT EDITION.

CONTRACTOR TO SUBMIT COMPLETE, DETAILED LIGHTNING PROTECTION SYSTEM INSTALLATION SHOP DRAWINGS TO THE ENGINEER OF RECORD FOR REVIEW AND APPROVAL PRIOR TO ANY INSTALLATION

ALL LIGHTNING PROTECTION SYSTEM COMPONENTS SHALL BE MECHANICALLY FASTENED. NO GLUED TO ROOF ATTACHMENTS ARE ACCEPTED.

LIGHTNING PROTECTION NOTES

1. UPON COMPLETION OF INSTALLATION PROVIDE A UL MASTER LABEL FOR THE LIGHTNING PROTECTION SYSTEM.
2. METAL BODIES OF INDUCTANCE LOCATED ABOVE THE ROOF SUCH AS METALFLASHING, ROOF DRAINS, PIPE VENTS, LOUVERS, DOORS, FRAMES, ETC. SITUATED WITHIN 6'-0" OF A LIGHTNING CONDUCTOR OR BONDED METAL BODY SHALL BE INTERCONNECTED TO THE LIGHTNING CONDUCTOR SYSTEM.
3. CONDUCTORS SHALL INTERCONNECT ALL AIR TERMINALS AND SHALL FORM A TWO WAY PATH FROM EACH AIR TERMINAL HORIZONTALLY OR DOWNWARD TO CONNECTIONS WITH GROUND TERMINALS.
4. ALL LIGHTNING PROTECTION CONDUCTORS SHALL BE FASTENED NOT MORE THAN 3'-0" MAXIMUM SPACING.
5. CONNECTIONS TO GROUND RODS OR GROUND LOOP CONDUCTOR SHALL BE MADE AT A POINT NOT LESS THAN 1'-0" BELOW GRADE AND 2'-0" AWAY FROM FOUNDATION WALL.
6. ALLOW FOR SLIGHT VARIATION IN AIR TERMINAL AND GROUND ROD LOCATIONS DUE TO ACTUAL FIELD CONDITIONS.
7. AIR TERMINALS SHALL BE PLACED AT ALL UNPROTECTED OUTSIDE. CORNERS AND LOCATED INTERMEDIATELY ON 20'-0" MAXIMUM SPACING AROUND THE ROOF PERIMETER ON RIDGE AND WITHIN 2'-0" OF THE OUTSIDE EDGE.
8. PROVIDE BI-METAL CONNECTORS AS REQUIRED TO AVOID ELECTROLYTIC COUPLES FORMED BETWEEN DISSIMILAR METALS TO AVOID CORROSION.
9. THE LIGHTNING PROTECTION SCHEME SHALL COMPLY WITH CODE, REQUIREMENTS AND INDUSTRY STANDARDS AS OUTLINED IN THE LATEST EDITIONS OF NFPA 70, THE NATIONAL ELECTRICAL CODE, NFPA 780, LIGHTNING PROTECTION CODE AND LPI175, LIGHTNING PROTECTION INSTITUTE STANDARDS OF PRACTICE AND UL 96A.
10. TELEPHONE AND/OR ELECTRICAL SERVICE ENTRANCE GROUNDS SHALL BE INTERCONNECTED TO ONE LIGHTNING PROTECTION GROUND OR WATER PIPE.
11. NO BEND OF A CONDUCTOR SHALL FORM A FINAL INCLUDED ANGLE OF LESS THAN 90° NOR SHALL HAVE A RADIUS OF BEND OF LESS THAN 8".
12. BOND ALL METALLIC PIPES INCLUDING WATER, FIRE, GAS, SEWER, STORM, ETC. WHICH ENTER THE STRUCTURE TO THE NEAREST DOWNLEAD, GROUND ROD OR GROUND LOOP.
13. BARE COPPER LIGHTNING PROTECTION MATERIALS SHALL NOT BE INSTALLED ON ALUMINUM ROOF OR SIDING OR OTHER ALUMINUM SURFACES AND VICEVERSA. ALUMINUM LIGHTNING PROTECTION MATERIALS SHALL NOT BE INSTALLED ON COPPER ROOFING OR COPPER SIDING OR OTHER COPPER SURFACES.
14. THE LIGHTNING PROTECTION SYSTEM SHALL BE INSTALLED CONCEALED IN A NEAT INCONSPICUOUS MANNER SO THAT ALL COMPONENTS WILL BLEND IN WITH THE APPEARANCE OF THE BUILDING.
15. SEAL ENDS OF CONDUIT MOISTURE TIGHT WITH DUCT SEAL OR LEAD WEDGE.
16. ALL CONDUIT, CONDUIT FASTENERS AND MISCELLANEOUS ACCESSORIES SHALL BE FURNISHED AND INSTALLED.
17. ALL REINFORCING, STRUCTURAL, FRAMING AND MISCELLANEOUS STEEL SHALL BE MADE ELECTRICALLY CONTINUOUS THROUGHOUT CONSTRUCTION BY WELDING, CLIPPING, BOLTING OR OTHER APPROVED METHODS.
18. PROVIDE DETAILED INSTALLATION SHOP DRAWINGS DEPICTING THE LIGHTNING PROTECTION SYSTEM AND COMPLIANCE WITH THE ABOVE REQUIREMENTS.

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

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4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

LEVEL 07 ROOF POWER

E-207

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CONTRACTOR IS REQUESTED TO SUBMIT TO ENGINEER OF RECORD (EOR) FOR REVIEW AND APPROVAL PRIOR TO SUBMITTAL TO NORTH BAY VILLAGE BUILDING DEPARTMENT, SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS BY A LICENSED FLORIDA PROFESSIONAL ENGINEER FOR FIRE ALARM SYSTEM. (RULE 61G15-32 F.A.C.)

1 E-208 01-Systems Floor Plan
1/8" = 1'-0"

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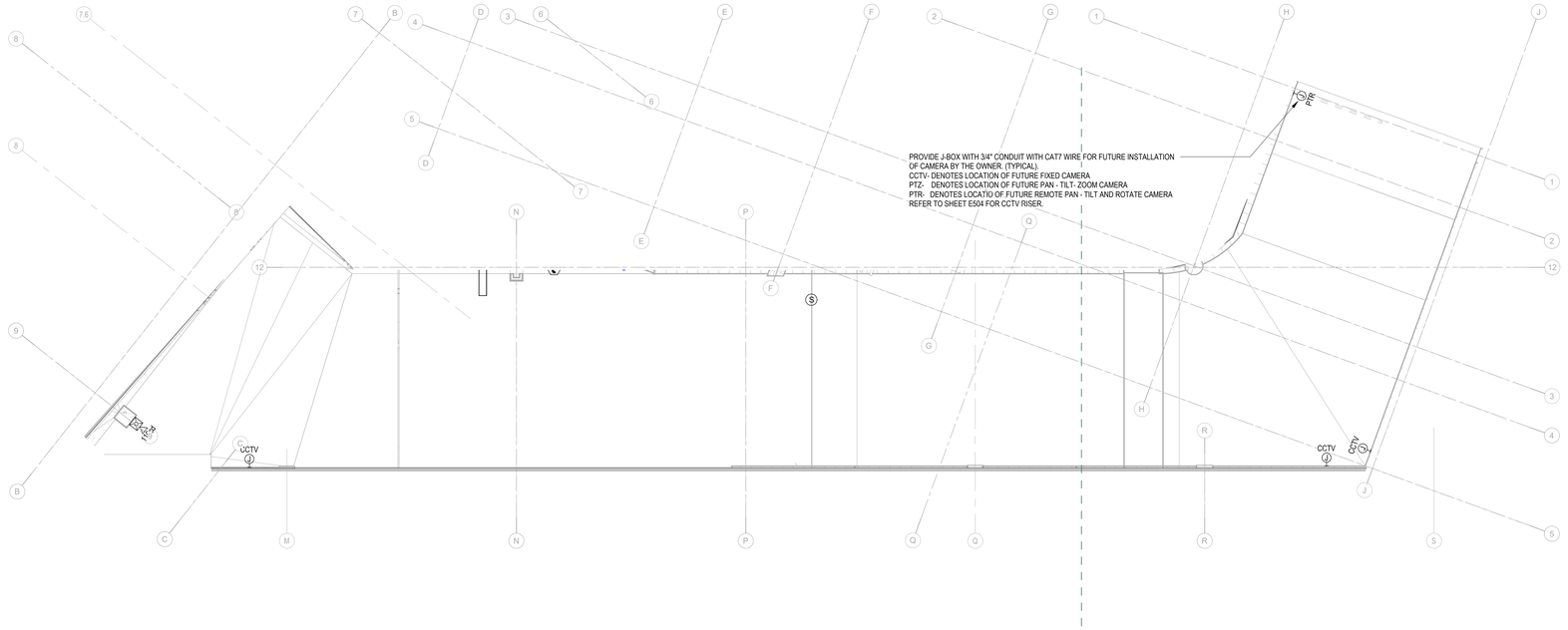
LEVEL 01 SYSTEMS

4 E-208



1 E-208B 01B- Speed Ramp Systems Floor Plan
1/8" = 1'-0"

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LEVEL 01B SPEED RAMP SYSTEMS

E-208B

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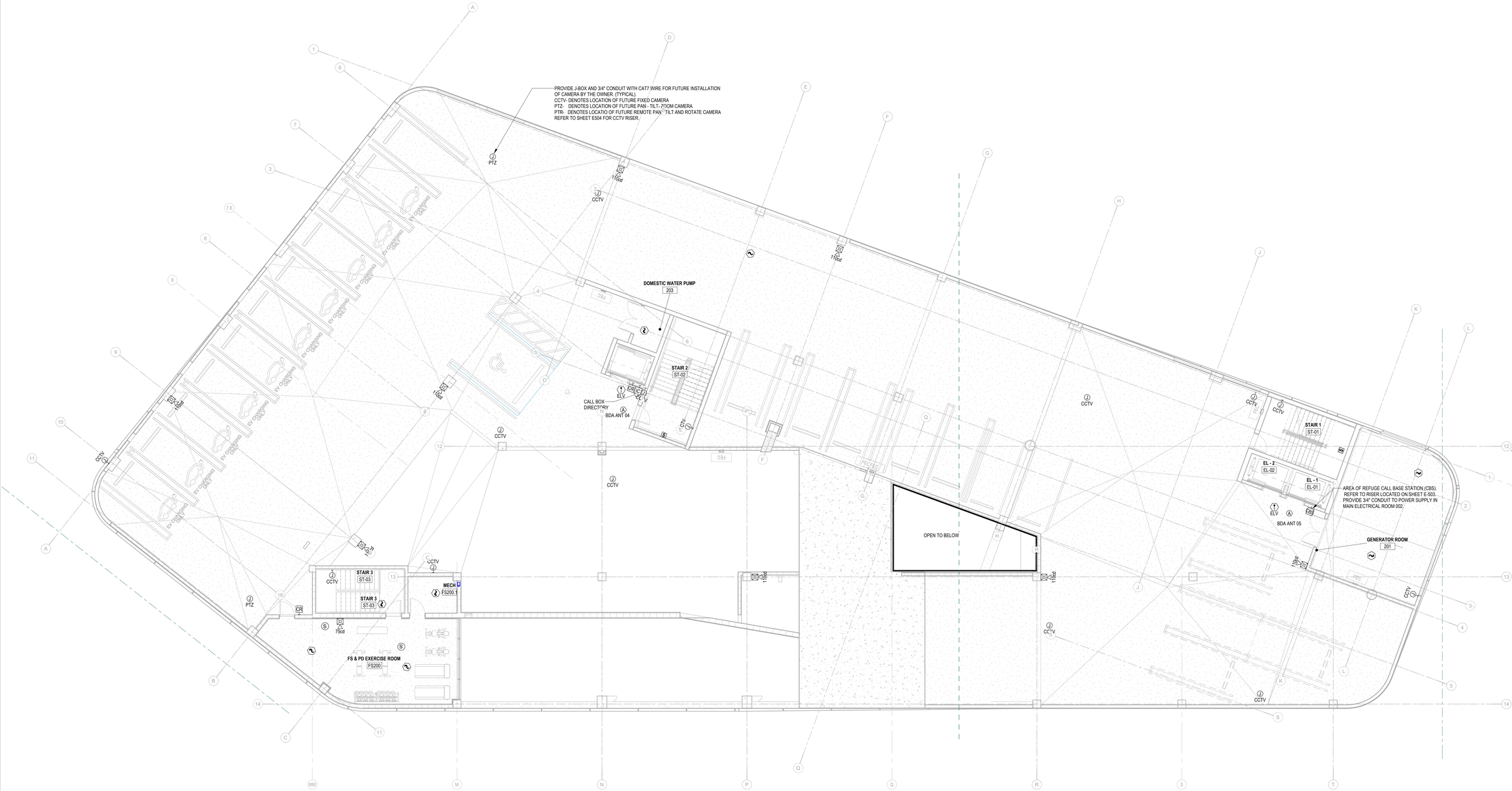

1 E-209 02-Systems Floor Plan
1/8" = 1'-0"

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LEVEL 02 SYSTEMS

4 E-209

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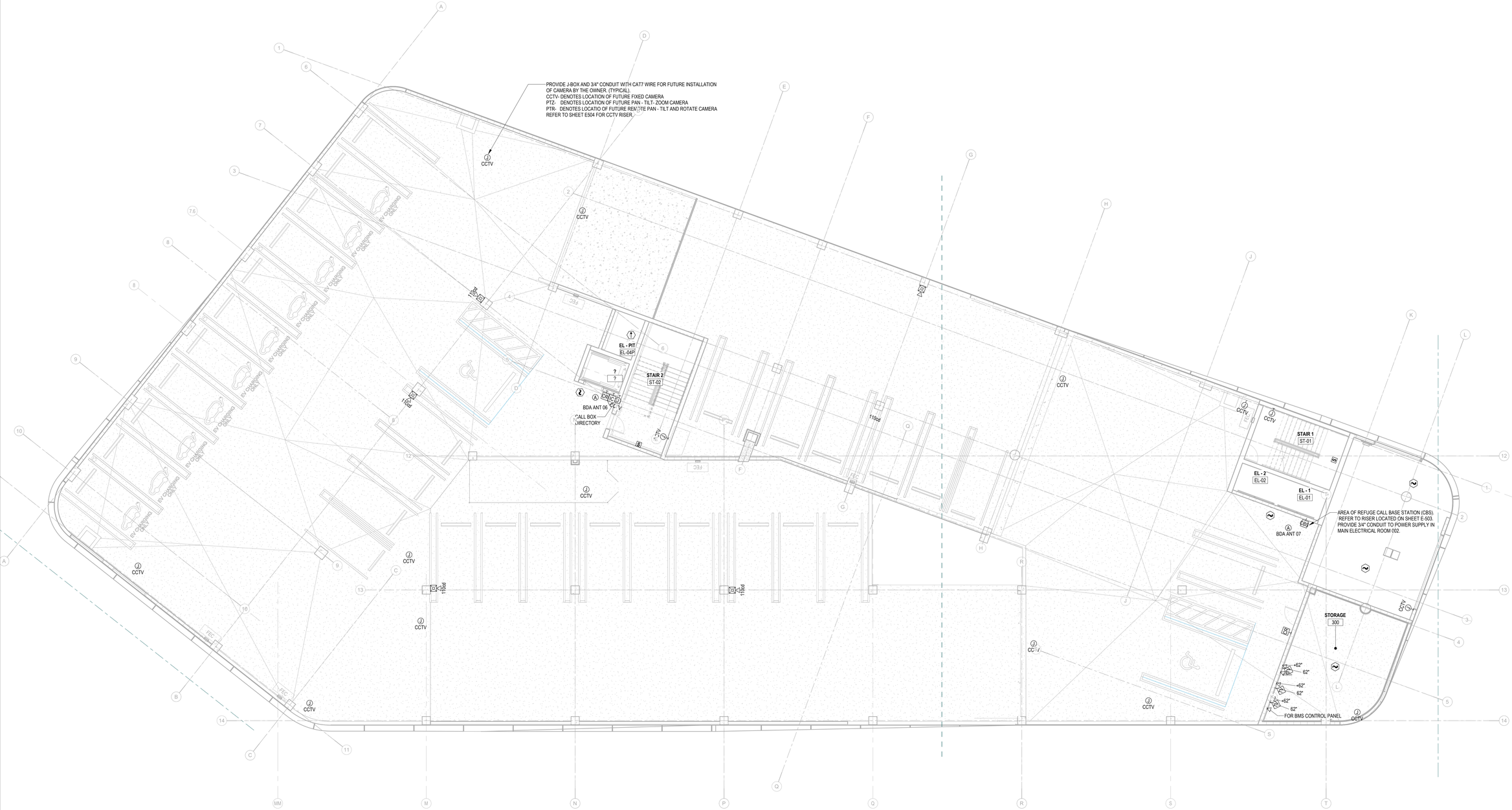

1 03-Systems Floor Plan
E-210 1/8" = 1'-0"

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33140

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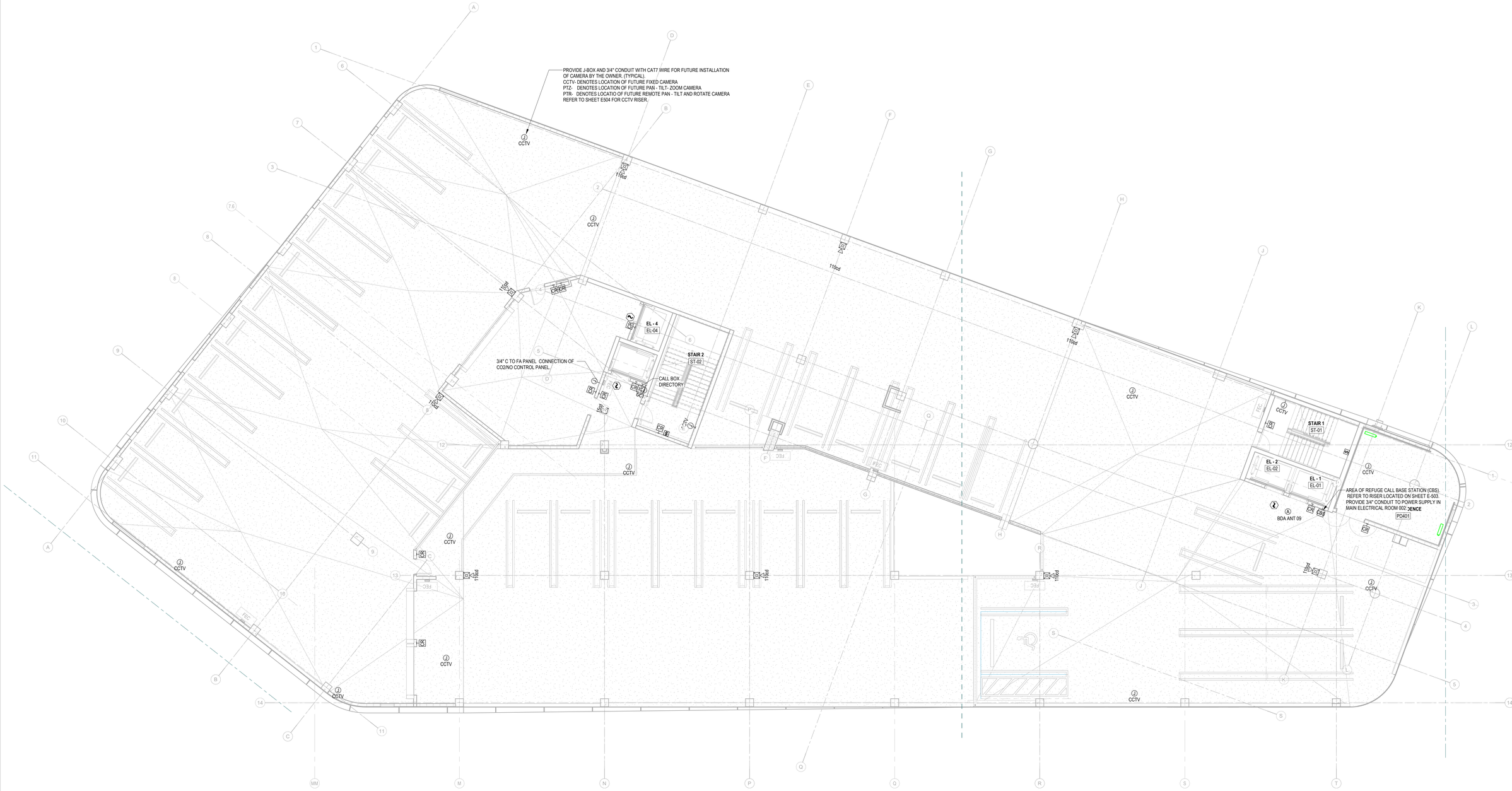
1	Bldg. Comments	11/08/2024
4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

LEVEL 03 SYSTEMS

4 E-210

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



1 E-211 04-Systems Floor Plan
1/8" = 1'-0"

DESIGN ARCHITECT
Wannemacher Jensen Architects, Inc.
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6	Revision 6	10/27/2025

LEVEL 04 SYSTEMS

4 E-211

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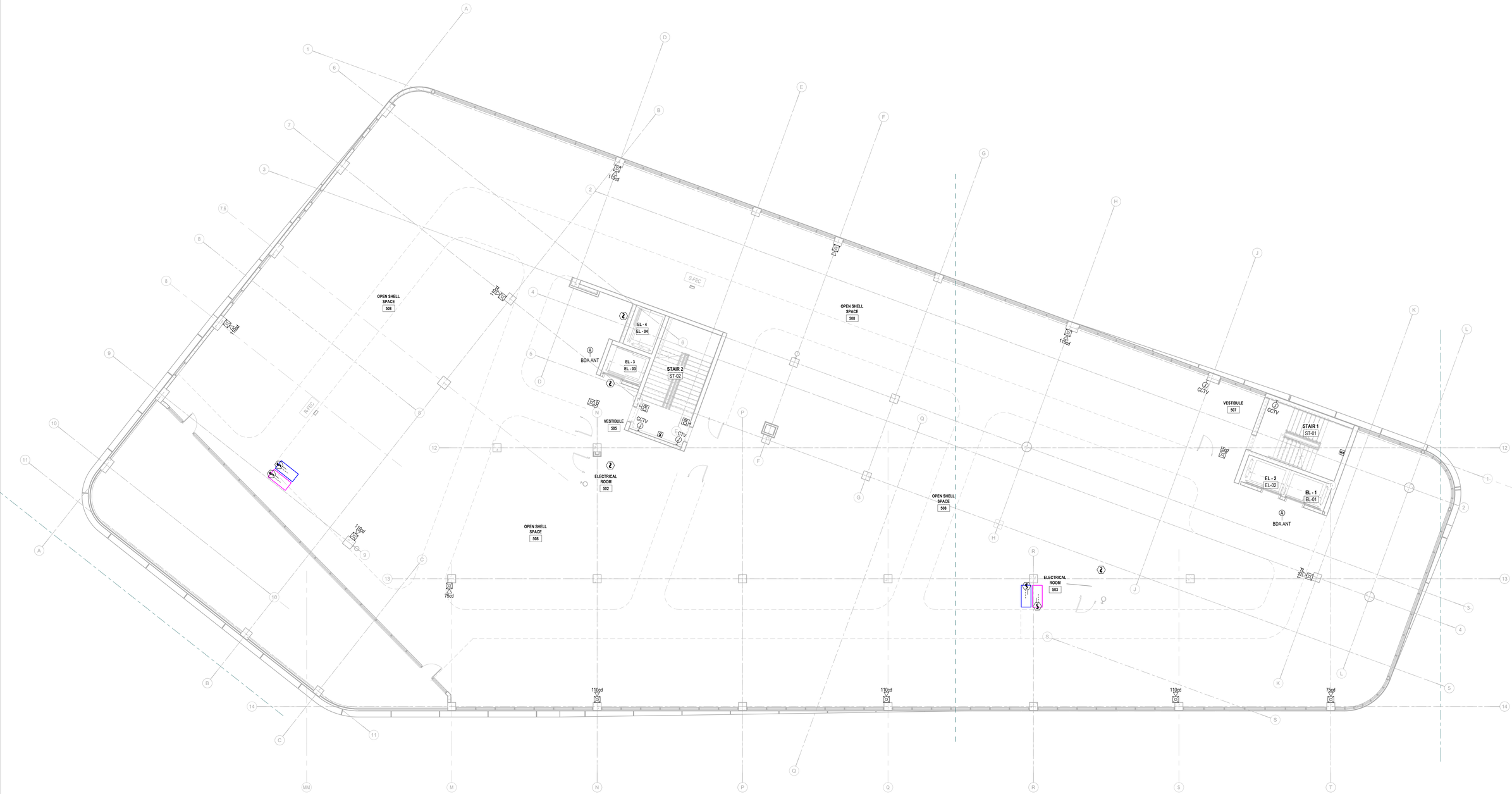

1 E-212 05-Systems Floor Plan
1/8" = 1'-0"

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4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

LEVEL 05 SYSTEMS

E-212

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

PROVIDE J-BOX AND 3/4" CONDUIT WITH CAT7 WIRE FOR FUTURE INSTALLATION OF CAMERA BY THE OWNER. (TYPICAL).
CCTV- DENOTES LOCATION OF FUTURE FIXED CAMERA
PTZ- DENOTES LOCATION OF FUTURE PAN - TILT- ZOOM CAMERA
PTR- DENOTES LOCATION OF FUTURE REMOTE PAN - TILT AND ROTATE CAMERA
REFER TO SHEET E504 FOR CCTV RISER.

NOTE 1:
SYMBOL DENOTES DUCT MOUNTED SMOKED DETECTOR, LOCATED ABOVE CEILING IN SUPPLY AND RETURN DUCTS.
COORDINATE WITH MECHANICAL DRAWING FOR EXACT LOCATION. TYPICAL FOR RTU 5-1, RTU 5-2 AND RTU 5-3.

NOTE 2:
PROVIDE 3/4" CONDUIT CONNECTION TO FIRE ALARM PANEL FOR MONITORING OF FIRE SUPPRESSION CONTROL PANEL. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT WITH MECHANICAL DRAWINGS.

3/4" C TO FA PANEL. (TYPICAL FOR FIRE SMOKE DAMPERS (FS/FD))

AREA OF REFUGE CALL BASE STATION (CBS). REFER TO RISER LOCATED ON SHEET E-603. PROVIDE 3/4" CONDUIT TO POWER SUPPLY IN MAIN ELECTRICAL ROOM 002.

REFER TO NOTES BELOW FOR SPECIAL REQUIREMENTS THIS AREA

FOR THE VILLAGE CHAMBERS AUDIO/VISUAL SPACE, CONTRACTOR SHALL INCLUDE IN HIS BID/COST AN ALLOWANCE OF AT LEAST $100,000 FOR A FULL A/V SYSTEM AND AT A MINIMUM PROVIDE THE FOLLOWING:

- ONE MICROPHONE AT EACH POSITION OF THE DAIS, ONE MICROPHONE AT THE SPEAKING PODIUM, AND ONE MICROPHONE IN THE ADJACENT A/V STORAGE ROOM
- ONE SOUND AMPLIFIER IN THE ADJACENT A/V STORAGE ROOM
- ONE SOUND MIXER WITH AT LEAST 12 INPUTS IN THE ADJACENT A/V STORAGE ROOM
- ONE SOUND EQUALIZER IN THE ADJACENT A/V STORAGE ROOM
- 12 SOUND SPEAKERS (CEILING MOUNTED, RECESSED) IN THE CHAMBERS SPACE AND ONE MONITOR SPEAKER IN THE ADJACENT A/V STORAGE SPACE
- THREE CEILING MOUNTED WEBCAMS (CEILING MOUNTED) AIMED AT THE DAIS, ONE WALL OR CEILING MOUNTED WEBCAM (BEHIND THE DAIS) AIMED AT THE AUDIENCE, ONE CEILING MOUNTED WEBCAM AIMED AT THE SPEAKING PODIUM, AND ONE CEILING MOUNTED WEBCAM IN THE BACK OF THE SEATING SPACE AIMED AT THE ENTIRE ROOM
- DATA/NETWORK CONNECTIONS AT EACH POSITION IN THE DAIS, AT THE SPEAKING PODIUM AND IN THE ADJACENT A/V STORAGE ROOM (JUST BELOW THE SEE-THROUGH WINDOW)
- DATA/NETWORK AND CABLE TV CONNECTIONS AT EACH OF THE TWO TV/SCREEN LOCATIONS IN THE CHAMBERS SPACE AND IN THE ADJACENT A/V STORAGE ROOM(JUST BELOW THE SEE-THROUGH WINDOW)
- ADDITIONAL EMPTY CONDUIT INFRASTRUCTURE (1 " MIN) BETWEEN EACH POSITION OF THE DAIS AND ADJACENT A/V STORAGE ROOM, THE SPEAKING PODIUM AND ADJACENT A/V STORAGE ROOM, AND EACH TV/SCREEN LOCATION AND ADJACENT A/V STORAGE ROOM FOR INTERCONNECTIVITY.

1 E-213 06-Systems Floor Plan
1/8" = 1'-0"

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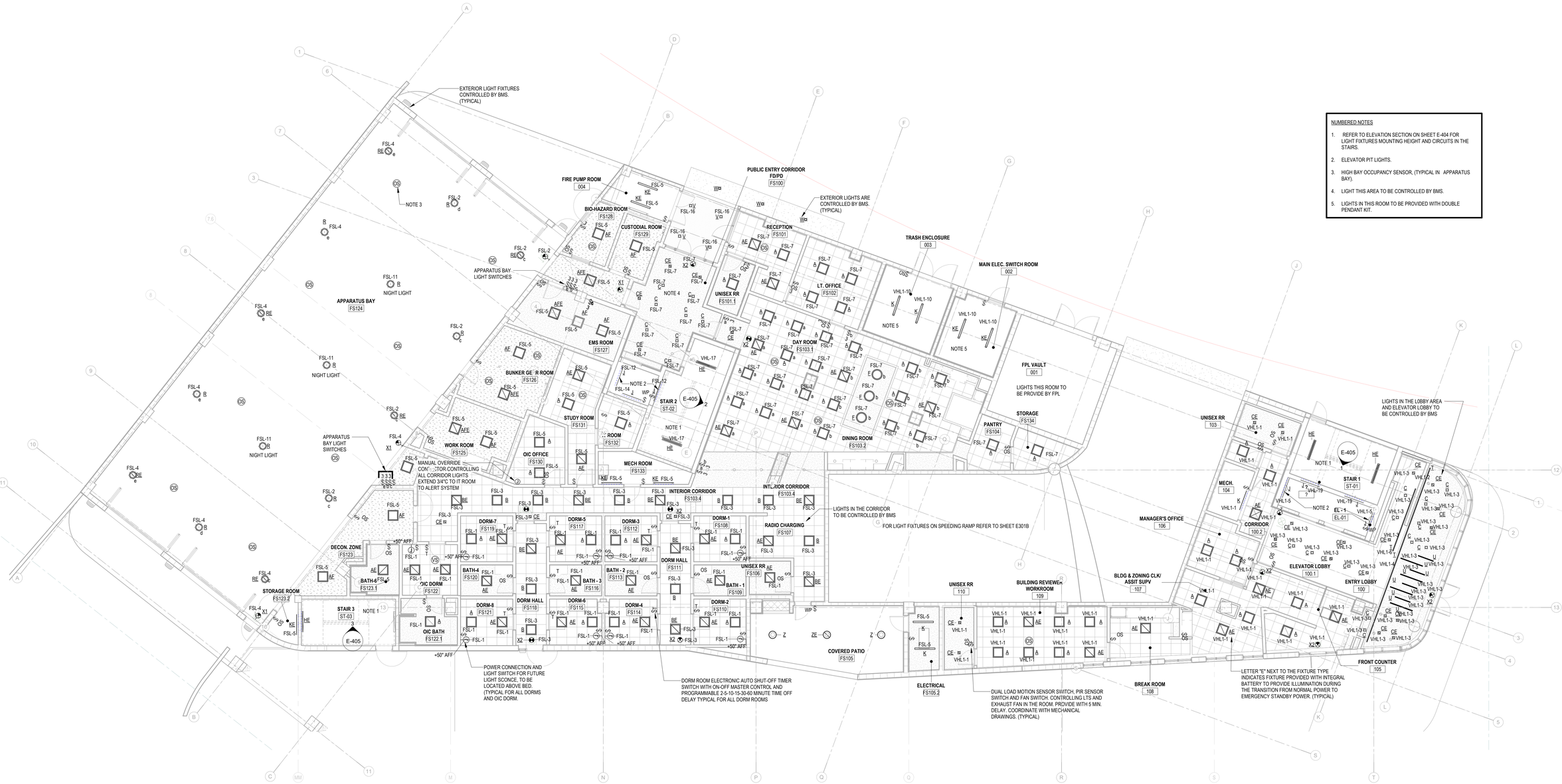
4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

LEVEL 06 SYSTEMS

4 E-213



1 E-301 01-Lighting Ceiling Plan
1/8" = 1'-0"

NUMBERED NOTES

1. REFER TO ELEVATION SECTION ON SHEET E-404 FOR LIGHT FIXTURES MOUNTING HEIGHT AND CIRCUITS IN THE STAIRS.
2. ELEVATOR PIT LIGHTS.
3. HIGH BAY OCCUPANCY SENSOR. (TYPICAL IN APPARATUS BAY).
4. LIGHT THIS AREA TO BE CONTROLLED BY BMS.
5. LIGHTS IN THIS ROOM TO BE PROVIDED WITH DOUBLE PENDANT KIT.

DESIGN ARCHITECT
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6	Revision 6	10/27/2025

LEVEL 01 LIGHTING

E-301

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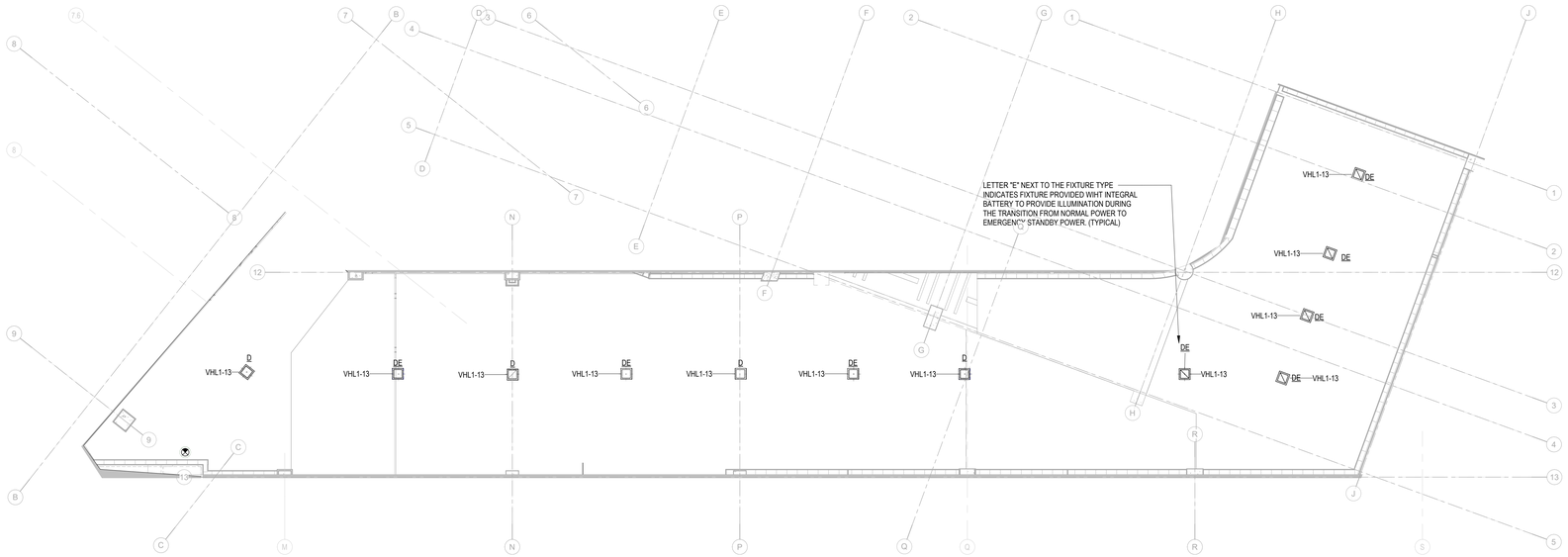

1 E-301B 01B-Speed Ramp - Lighting Ceiling Plan
1/8" = 1'-0"

DESIGN ARCHITECT
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6	Revision 6	10/27/2025

LEVEL 01B SPEED-RAMP LIGHTING

E-301B

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NUMBERED NOTES

1. REFER TO ELEVATION SECTION ON SHEET E-404 FOR LIGHT FIXTURES MOUNTING HEIGHT AND CIRCUITS IN THE STAIRS.
2. PARKING LOT LIGHTS TO BE CONTROLLED BY BMS

1 E-302 02-Lighting Ceiling Plan
1/8" = 1'-0"

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LEVEL 02 LIGHTING

E-302

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NUMBERED NOTES

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2. PARKING LOT LIGHTS TO BE CONTROLLED BY BMS.

1 E-303 03-Lighting Ceiling Plan
1/8" = 1'-0"

DESIGN ARCHITECT
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LEVEL 03 LIGHTING

E-303

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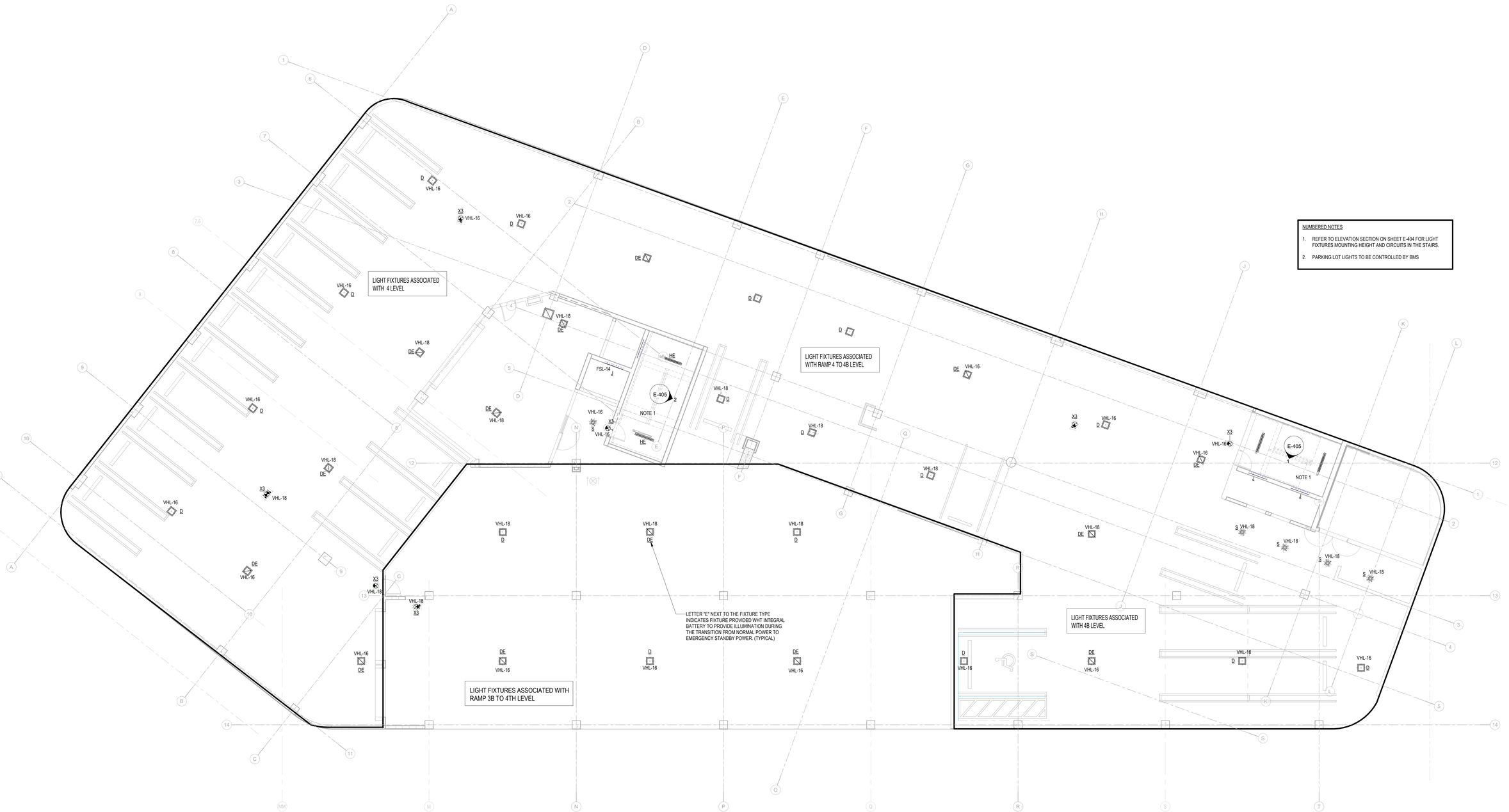

NUMBERED NOTES

1. REFER TO ELEVATION SECTION ON SHEET E-404 FOR LIGHT FIXTURES MOUNTING HEIGHT AND CIRCUITS IN THE STAIRS.
2. PARKING LOT LIGHTS TO BE CONTROLLED BY BMS

1 E-304 04-Lighting Ceiling Plan
1/8" = 1'-0"

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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REV	DESCRIPTION	DATE
6	Revision 6	10/27/2025

LEVEL 04 LIGHTING

E-304

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

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DISTRIBUTION
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REV	DESCRIPTION	DATE
4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

LEVEL 05 LIGHTING

E-305



1 E-305 05-Lighting Ceiling Plan
1/8" = 1'-0"

TO THE BEST OF THE ARCHITECTS OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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NUMBERED NOTES

1. REFER TO ELEVATION SECTION ON SHEET E-404 FOR LIGHT FIXTURES MOUNTING HEIGHT AND CIRCUITS IN THE STAIRS.
2. LIGHTING CONTROL PANEL (LCP). FOR CHAMBER SEATING LIGHTS. LCP PANEL TO BE NETWORKED FOR ENERGY MANAGEMENT SYSTEM (EMS) INTEGRATION.
   PRIOR TO FINAL INSPECTION, CONTRACTOR MUST PROVIDE EVIDENCE THAT THE LIGHTING CONTROL SYSTEM HAS BEEN TESTED TO ENSURE THAT CONTROL HARDWARE AND SOFTWARE ARE CALIBRATED, ADJUSTED, PROGRAMMED AND IN PROPER WORKING CONDITION IN ACCORDANCE WITH THE DOCUMENTS AND MANUFACTURER'S INSTRUCTIONS. FUNCTIONAL TESTING SHALL BE IN ACCORDANCE WITH FBC SECTIONS C408.3.1.1 AND C4083.31.2 FOR THE APPLICABLE CONTROL TYPE.
3. LIGHTS IN CORRIDORS TO BE CONTROLLED BY BMS.
4. LIGHTS IN THIS ROOM TO BE PROVIDED WITH DOUBLE PENDANT KIT.

1 E-306 06-Lighting Ceiling Plan
1/8" = 1'-0"

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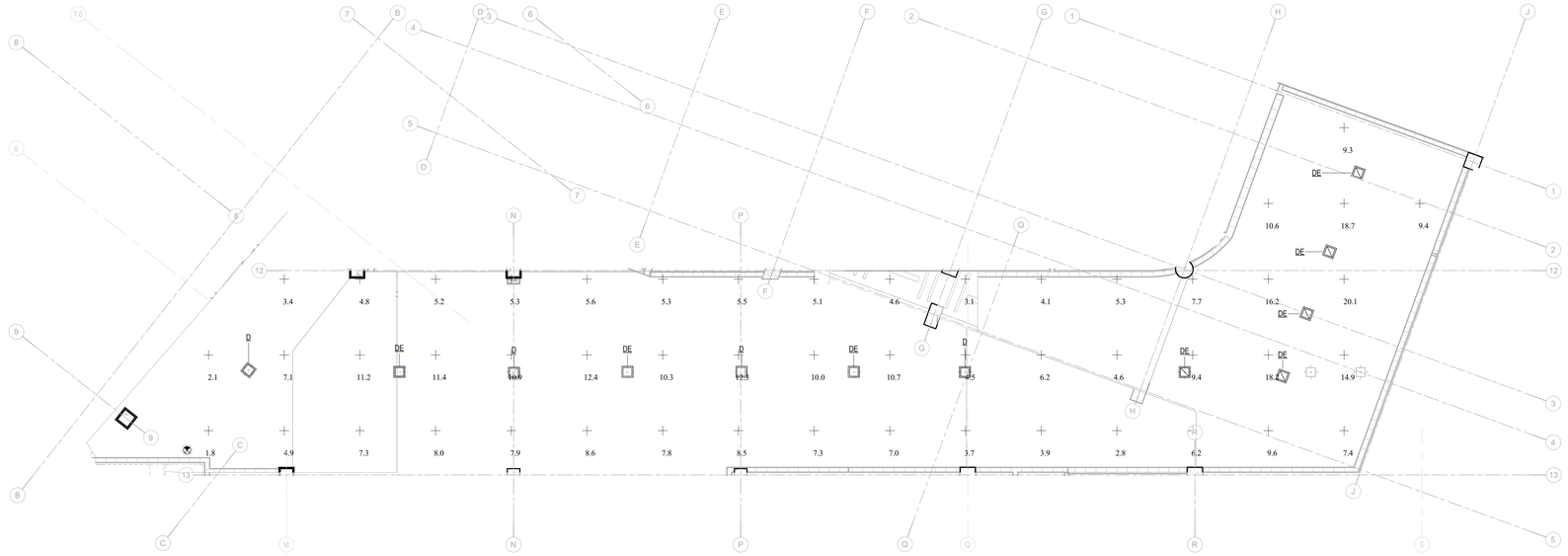
REV	DESCRIPTION	DATE
2	Revision 2	01/17/2025
4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

LEVEL 06 LIGHTING 4

E-306

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



1 E-308 01B-Speed Ramp - Normal Photometry
1/8" = 1'-0"

Luminaire Schedule

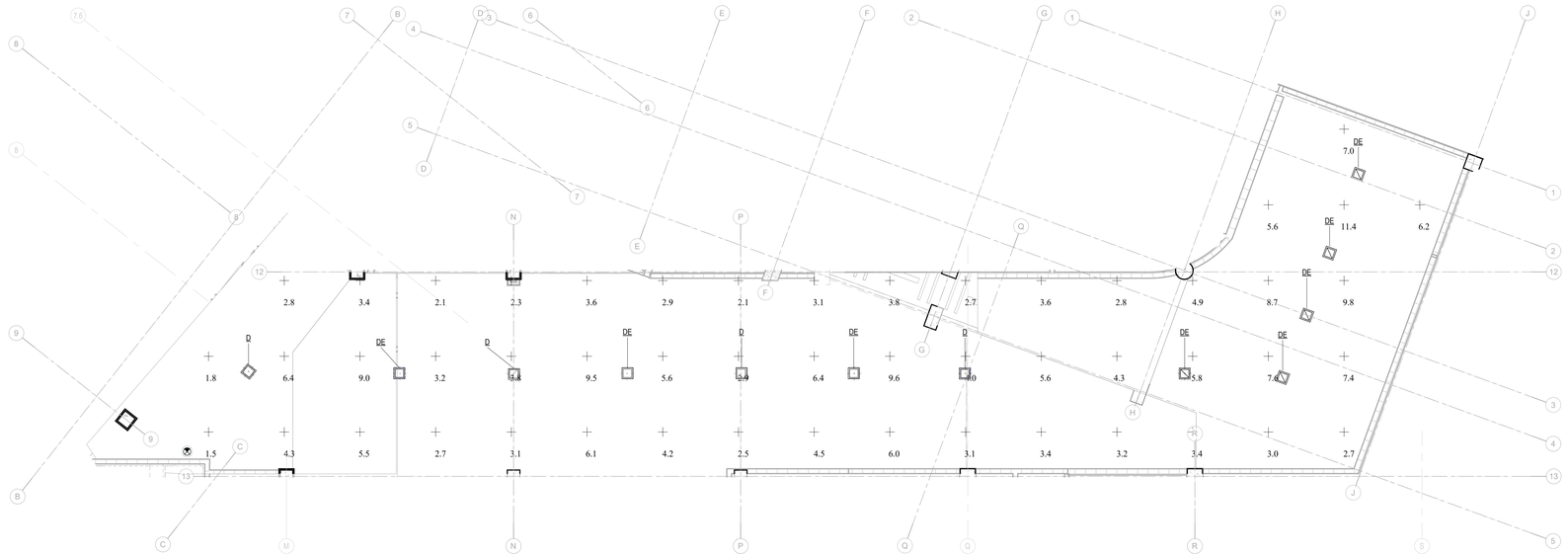
Symbol	Qty	Label	Description	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
+	4	D	BS400LEDHTHOWT30120-277V_S	0.900	6880	60	240
+	6	DE	BS400LEDHTHOWT30120-277V_S	0.900	6880	60	360

Calculation Summary

Label	Units	Avg	Max	Min	Avg/Min	Max/Min	CalcType
RAMP_Floor	Fc	8.23	20.1	1.8	4.57	11.17	Illuminance

LPD Area Summary

Label	Area	Total Watts	LPD
RAMP_LPD	4689	600	0.128



4 E-308 01B-Speed Ramp - Emergency Photometry
1/8" = 1'-0"

Luminaire Schedule

Symbol	Qty	Label	Description	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
+	6	DE	BS400LEDHTHOWT30120-277V_S	0.900	6880	60	360

Calculation Summary

Label	Units	Avg	Max	Min	Avg/Min	Max/Min	CalcType
RAMP_Floor	Fc	4.93	11.4	1.5	3.29	7.60	Illuminance

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6	Revision 6	10/27/2025

LEVEL 01B SPEED RAMP NORMAL AND EMERGENCY PHOTOMETRY

E-308

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EV CHARGING
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Luminaire Schedule

Symbol	Qty	Label	[MANUFAC]	Description	Lumens/ Lamp	LLF	Lum. Watts	Total Watts
⌖	12	DE	Beghelli	BS400LEDHTHOWT30120-277V_S	47.94	0.900	60	720

Calculation Summary

Label	Units	Avg	Max	Min	Avg/ Min	Max/ Min
EL 1 & 2 SILL	Fc	13.1	13.2	12.9	1.0	1.0
EL 3 SILL	Fc	10.0	10.0	10.0	1.0	1.0
PG 2ND_Floor	Fc	2.8	12.1	0.4	7.0	30.3
RAMP 2 TO 3RD_Floor	Fc	2.4	8.2	0.4	6.1	20.5

1 E-310 02-Emergency Photometry Plan
1/8" = 1'-0"

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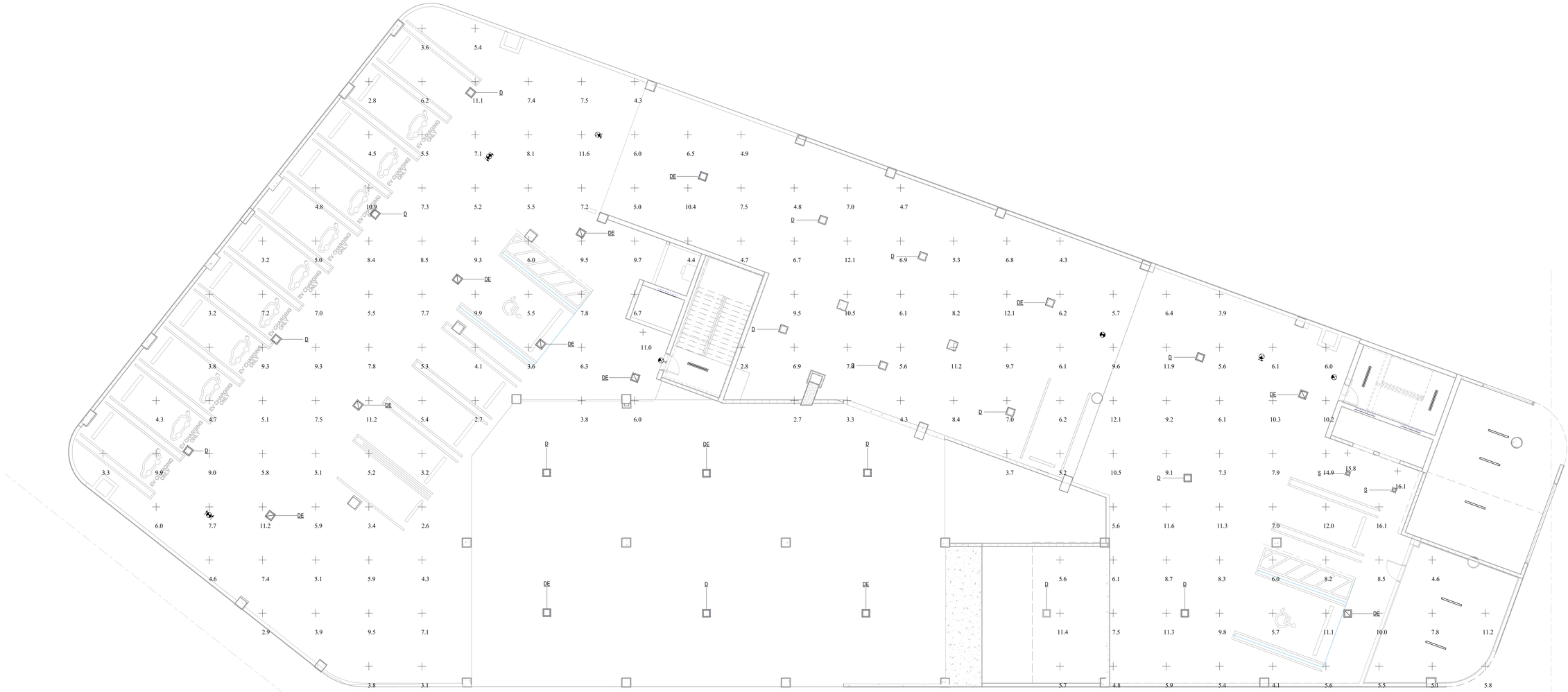
REV	DESCRIPTION	DATE
6	Revision 6	10/27/2025

LEVEL 02 EMERGENCY PHOTOMETRY

E-310



Luminaire Schedule								
Symbol	**Qty**	**Label**	**[MANUFAC]**	**Description**	**Lumens/ Lamp**	**LLF**	**Lum. Watts**	**Total Watts**
	16	D	Beghelli	BS400LEDHTHOWT30120-277V_S	47.94	0.900	60	960
	10	DE	Beghelli	BS400LEDHTHOWT30120-277V_S	47.94	0.900	60	600

Calculation Summary						
Label	**Units**	**Avg**	**Max**	**Min**	**Avg/Min**	**Max/Min**
ELEVATOR SILL	Fc	11.0	11.0	11.0	1.0	1.0
ELEVATOR SILL_1 & 2	Fc	16.0	16.1	15.8	1.0	1.0
PG 3RD_Floor	Fc	6.9	16.1	2.6	2.7	6.2

1 E-311 03-Normal Photometry Plan
1/8" = 1'-0"

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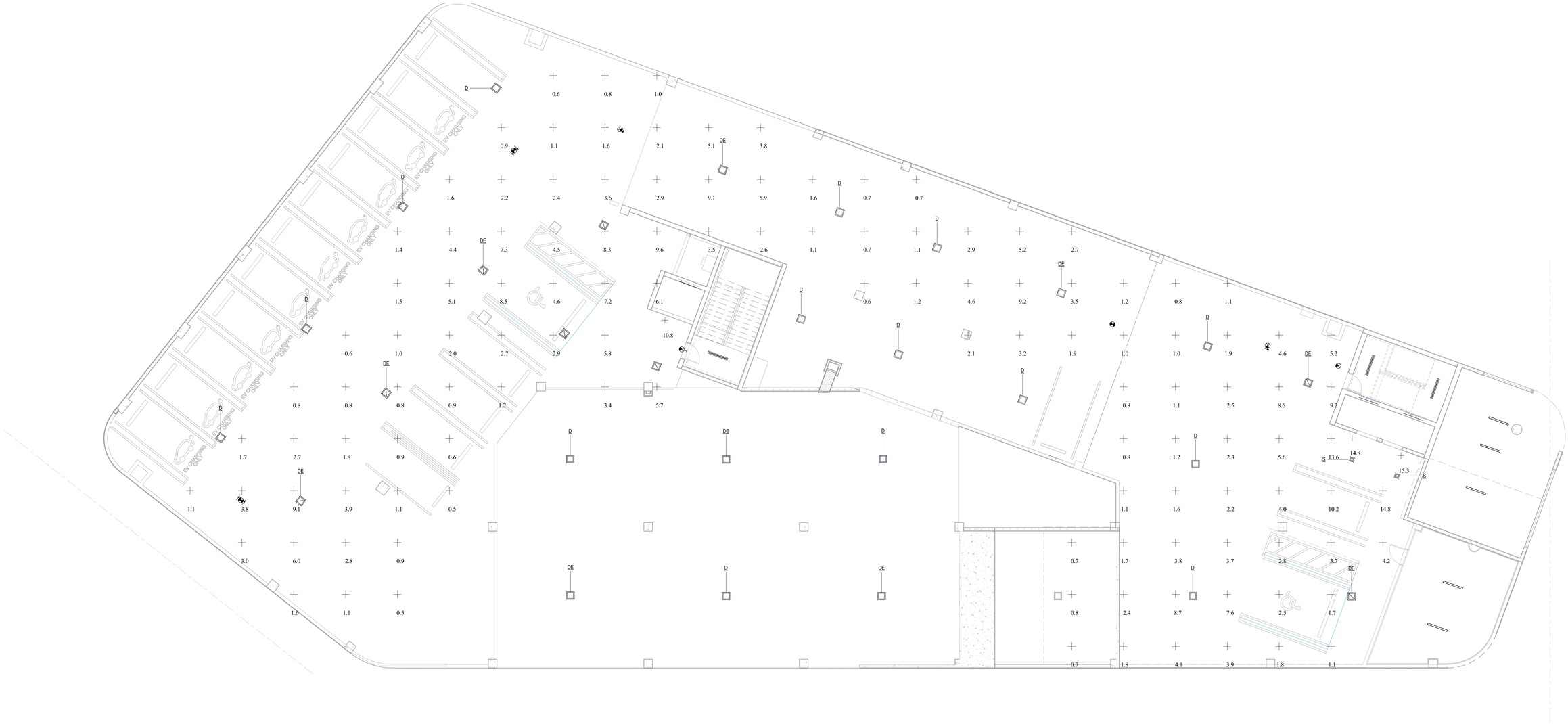
REV	DESCRIPTION	DATE
6	Revision 6	10/27/2025

LEVEL 03 NORMAL PHOTOMETRY

E-311



Luminaire Schedule								
Symbol	Qty	Label	[MANUFAC]	Description	Lumens/ Lamp	LLF	Lum. Watts	Total Watts
	10	DE	Beghelli	BS400LEDHTHOWT30120-277V_S	47.94	0.900	60	600

Calculation Summary						
Label	Units	Avg	Max	Min	Avg/ Min	Max/ Min
ELEVATOR SILL	Fc	10.8	10.8	10.8	1.0	1.0
ELEVATOR SILL_1 & 2	Fc	15.1	15.3	14.8	1.0	1.0
PG 3RD_Floor	Fc	3.2	14.8	0.5	6.4	29.6

1 E-312 03-Emergency Photometry Plan
1/8" = 1'-0"

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Wannemacher Jensen Architects, Inc.
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LEVEL 03 EMERGENCY PHOTOMETRY

E-312

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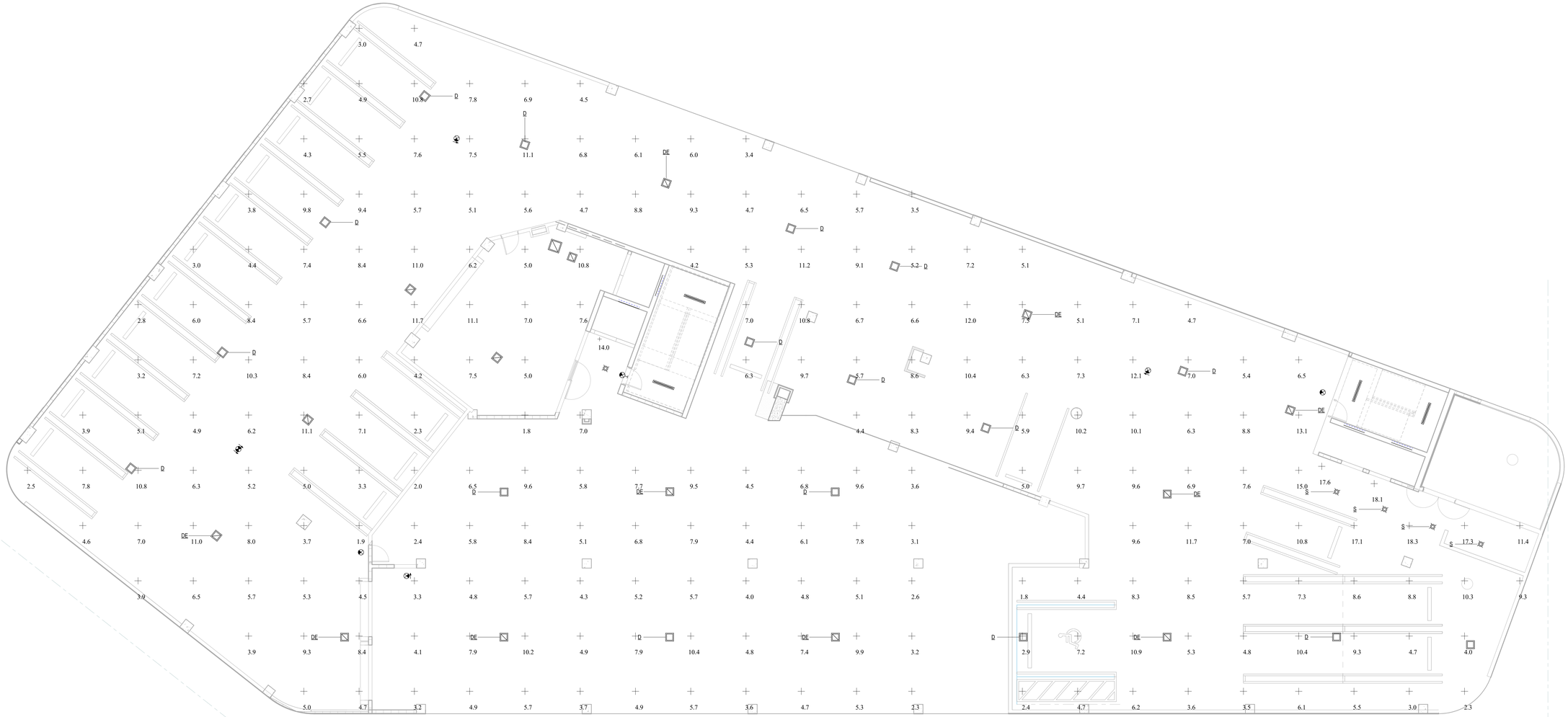

Luminaire Schedule NORTH BAY VILLAGE SAFETY COMPLEX PG 4TH REV1

Symbol	Qty	Label	Description	LLF	Luminaire Lumens	Luminaire Watts	Total Watts
✣	19	D	BS400LEDHTHOWT30120-277V_S	0.900	6880	60	1140
✣	14	DE	BS400LEDHTHOWT30120-277V_S	0.900	6880	60	840

Calculation Summary

Label	Units	Avg	Max	Min	Avg/Min	Max/Min	CalcType
ELEV SILL	Fc	14.00	14.0	14.0	1.00	1.00	Illuminance
ELEV SILL_1 & 2	Fc	17.85	18.1	17.6	1.01	1.03	Illuminance
PG 4TH_Floor	Fc	6.66	18.3	1.8	3.70	10.17	Illuminance

LPD Area Summary

Label	Area	Total Watts	LPD
PG 4TH_LPD	23095	1980	0.086

1 E-313 04-Normal Photometry Plan
1/8" = 1'-0"

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33140

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Project Number
WJ 2312

DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE
6	Revision 6	10/27/2025

LEVEL 04 NORMAL PHOTOMETRY

E-313



Luminaire Schedule							
Symbol	**Qty**	**Label**	**Description**	**LLF**	**Luminaire Lumens**	**Luminaire Watts**	**Total Watts**
	14	DE	BS400LEDHTHOWT30120-277V_S	0.900	6880	60	840

Calculation Summary							
Label	**Units**	**Avg**	**Max**	**Min**	**Avg/Min**	**Max/Min**	**CalcType**
ELEV SILL	Fc	13.80	13.8	13.8	1.00	1.00	Illuminance
ELEV SILL_1 & 2	Fc	15.00	15.8	14.2	1.06	1.11	Illuminance
PG 4TH_Floor	Fc	3.05	13.4	0.4	7.63	33.50	Illuminance

1 / E-314 04-Emergency Photometry Plan
1/8" = 1'-0"

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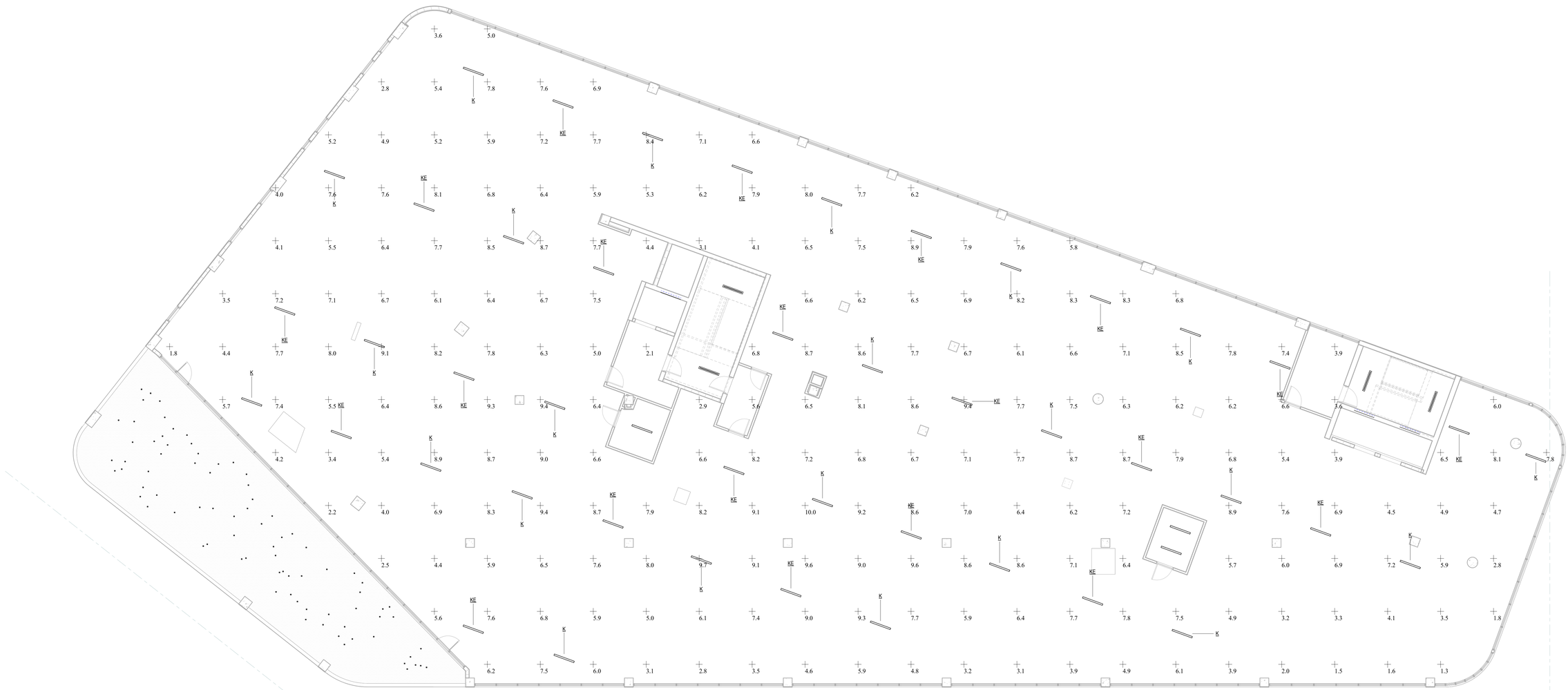

Calculation Summary							
Label	**Units**	**Avg**	**Max**	**Min**	**Avg/Min**	**Max/Min**	**CalcType**
Room_1_Floor	Fc	6.45	10.0	1.3	4.96	7.69	Illuminance

Luminaire Schedule North Bay Village_ 5th Floor Shell Space							
Symbol	**Qty**	**Label**	**Description**	**LLF**	**Luminaire Lumens**	**Luminaire Watts**	**Total Watts**
	20	KE	BS101LEDECOE	0.900	4090	35	700
	23	K	BS101LEDECOE	0.900	4090	35	805

1 E-315 05-Normal Photometry Plan
1/8" = 1'-0"

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4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

LEVEL 05 NORMAL PHOTOMETRY

4 E-315



Calculation Summary							
Label	**Units**	**Avg**	**Max**	**Min**	**Avg/Min**	**Max/Min**	**CalcType**
Room_1_Floor	Fc	2.99	6.6	0.3	9.97	22.00	Illuminance

Luminaire Schedule North Bay Village_ 5th Floor Shell Space EM							
Symbol	**Qty**	**Label**	**Description**	**LLF**	**Luminaire Lumens**	**Luminaire Watts**	**Total Watts**
	20	AE	BS101LEDECOE	0.900	4090	35	700

1 E-316 05-Emergency Photometry Plan
1/8" = 1'-0"

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REV	DESCRIPTION	DATE
4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

LEVEL 05 EMERGENCY PHOTOMETRY

4 E-316

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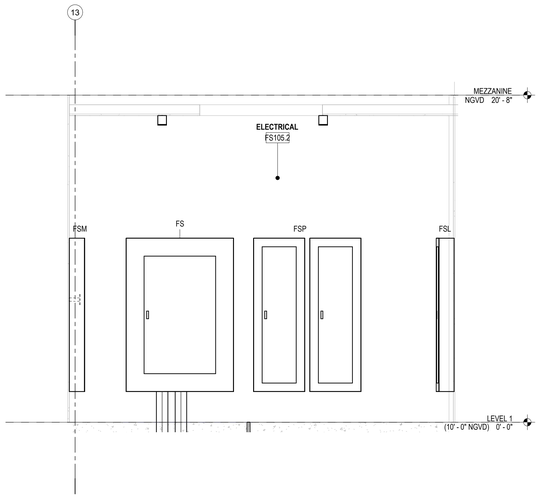
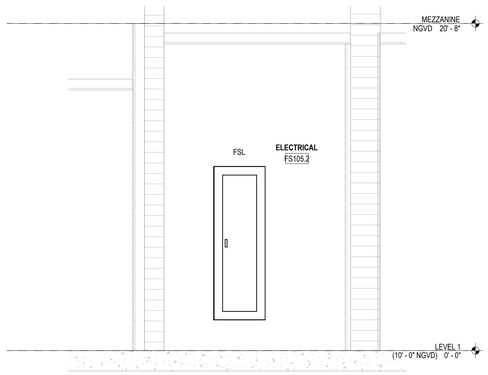
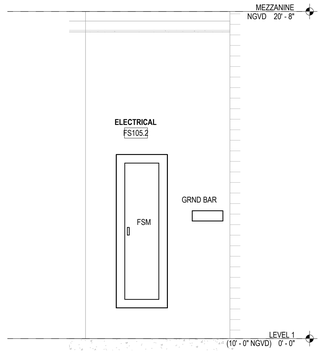


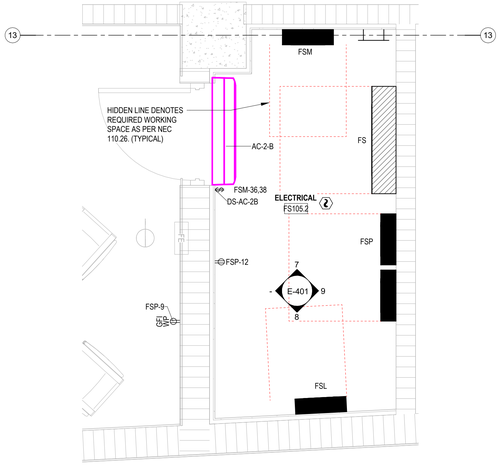
9 E-401 Fire Station_ Electrical Room Elevation 1 - b
1/2" = 1'-0"



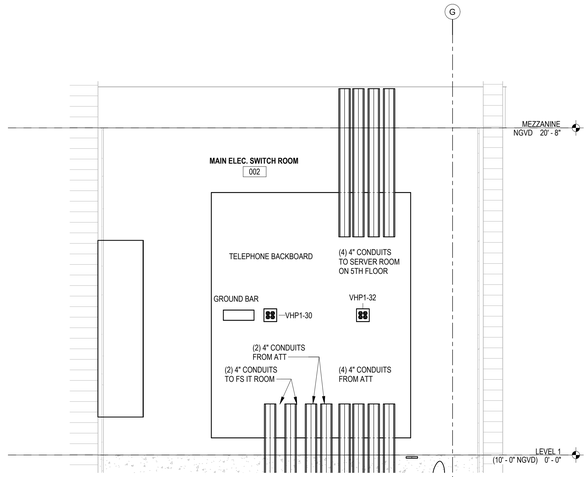
8 E-401 Fire Station_ Electrical Room Elevation 1 - c
1/2" = 1'-0"



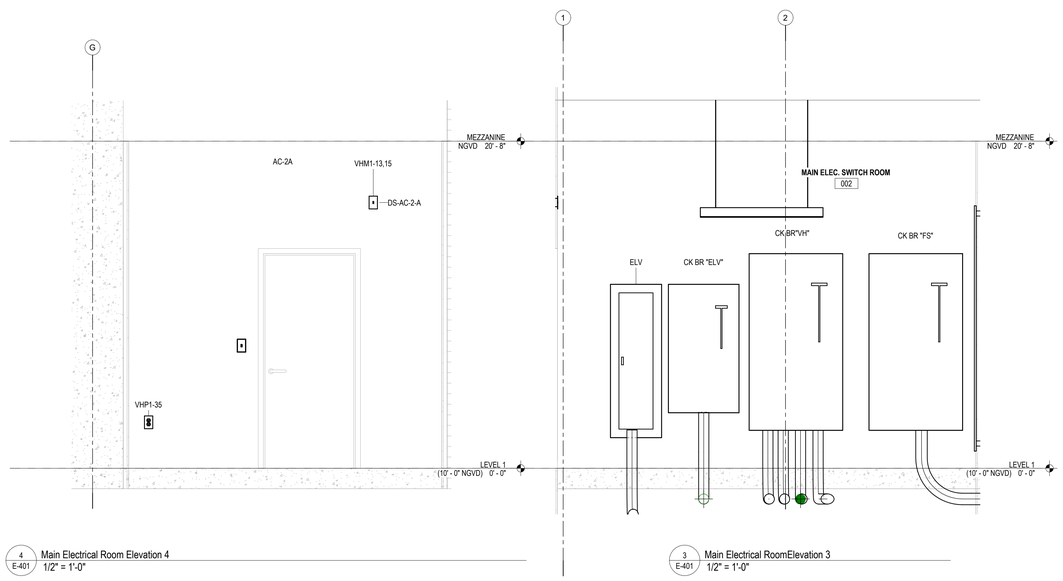
7 E-401 Fire Station_ Electrical Room Elevation 1 -a
1/2" = 1'-0"



6 E-401 01- Fire Station_ Electrical Room Enlarged Plan
1/2" = 1'-0"

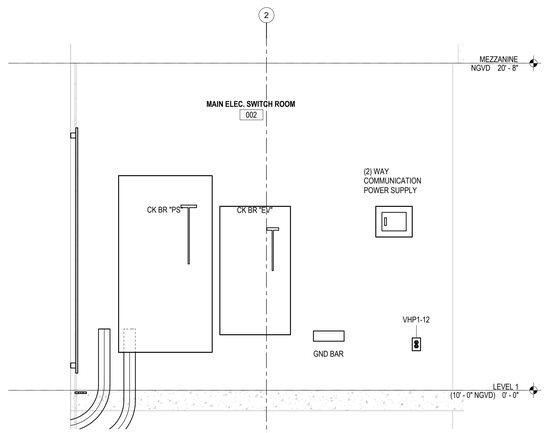


5 E-401 Main Electrical Room Elevation 5
1/2" = 1'-0"

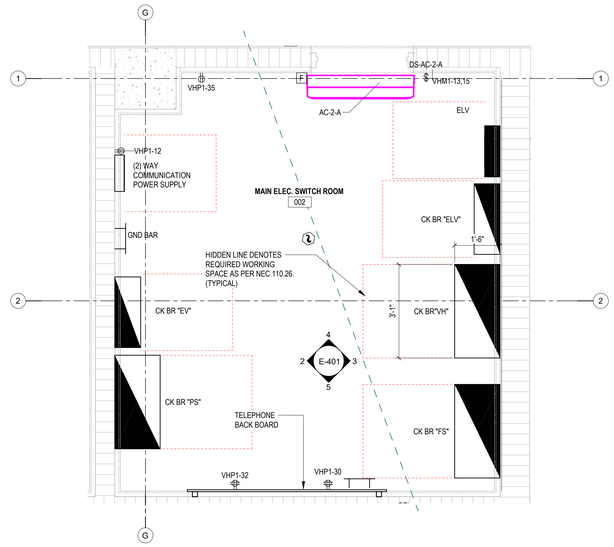


4 E-401 Main Electrical Room Elevation 4
1/2" = 1'-0"

3 E-401 Main Electrical RoomElevation 3
1/2" = 1'-0"



2 E-401 Main Electrical Room Elevation 2
1/2" = 1'-0"



1 E-401 01- Main Electrical Room Enlarged Plan
1/2" = 1'-0"

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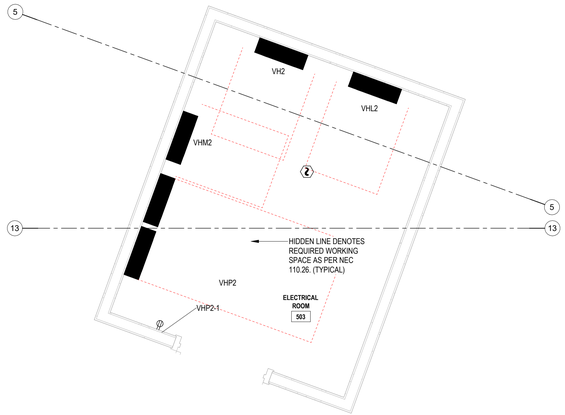
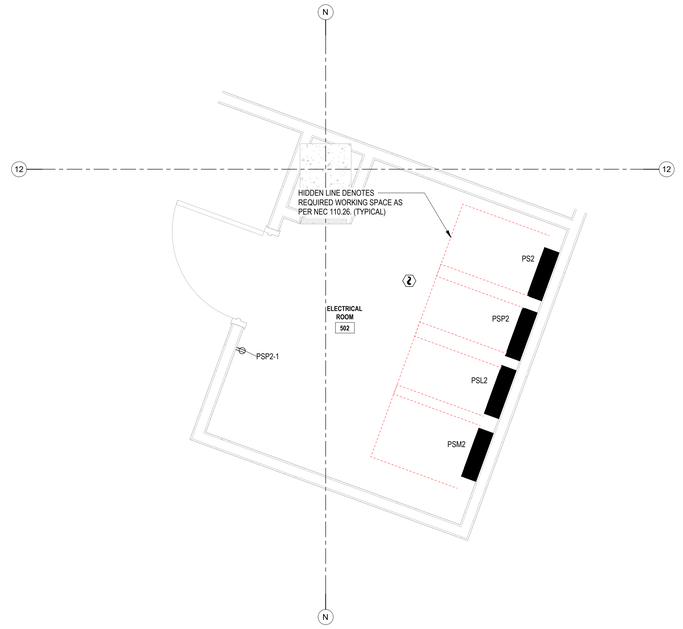
6	Revision 6	10/27/2025

ENLARGED PLANS
-ELEC, IT ROOM

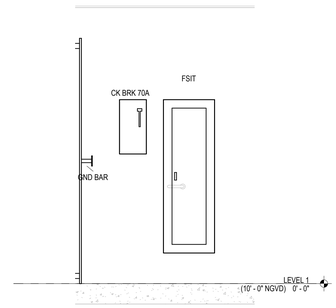
E-401



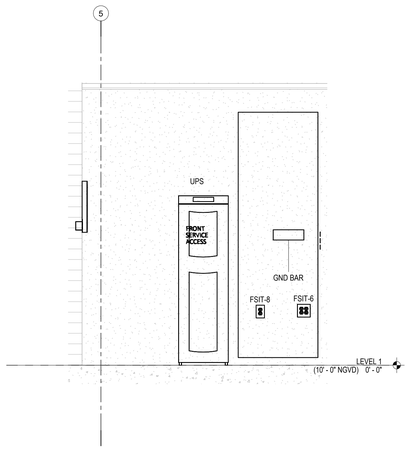
6 E-402 05-Enlarged Plan Electrical Room 503
1/2" = 1'-0"



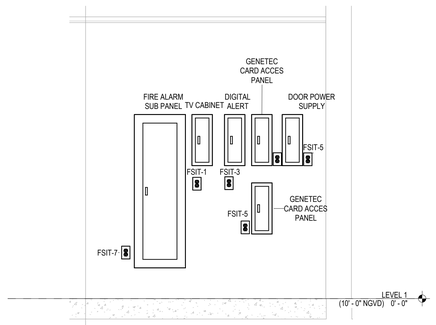
5 E-402 05-Enlarged Plan Electrical Room 502
1/2" = 1'-0"



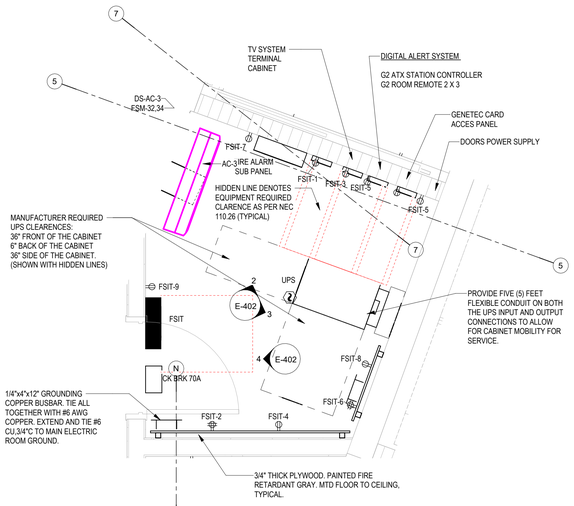
4 E-402 01- Fire Station_ It Room West Elevation
1/2" = 1'-0"



3 E-402 01- Fire Station_ It Room East Elevation
1/2" = 1'-0"



2 E-402 01- Fire Station_ It Room North Elevation
1/2" = 1'-0"



1 E-402 01-Fire Station_IT Room Enlarged Plan
1/2" = 1'-0"

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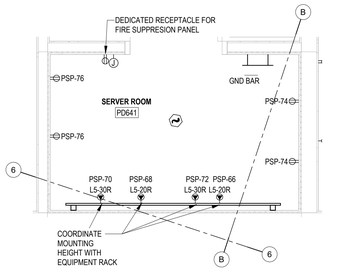
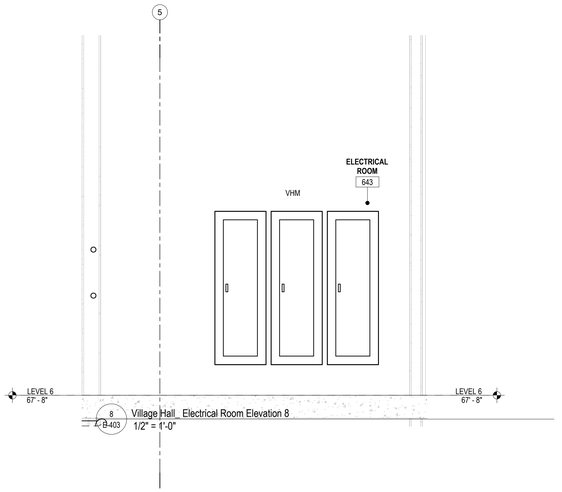
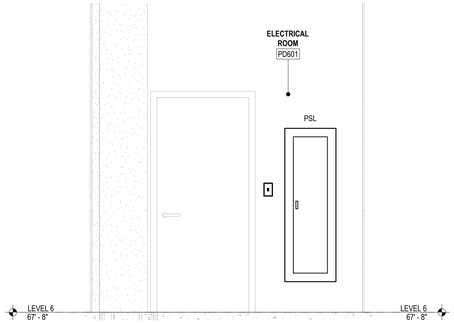


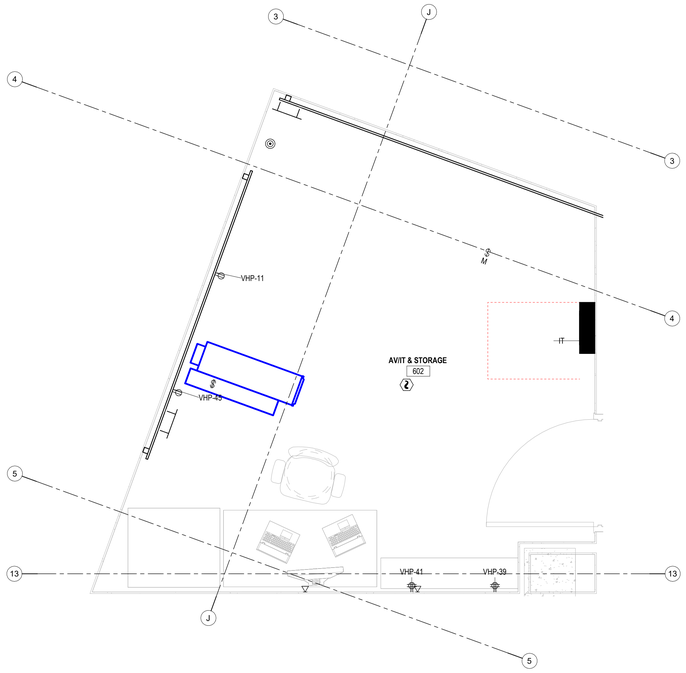
11 E-403 06-Server Room- Enlarged Plan
1/2" = 1'-0"



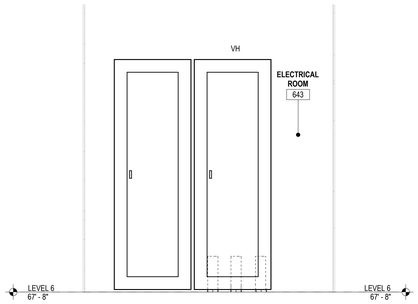
8 E-403 Village Hall_ Electrical Room Elevation 8
1/2" = 1'-0"



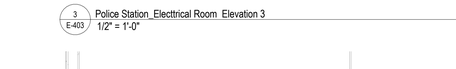
4 E-403 Police Station_Electtrical Room_Elevation 4
1/2" = 1'-0"



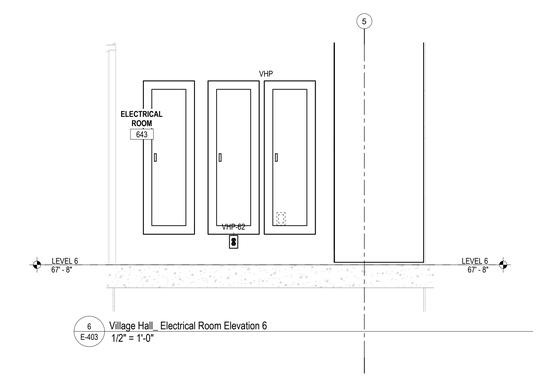
10 E-403 06-Police Station_ AV/IT Room Enlarged Plan
1/2" = 1'-0"



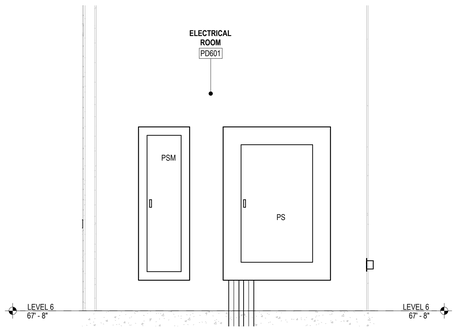
7 E-403 Village Hall_ Electrical Room Elevation 7
1/2" = 1'-0"



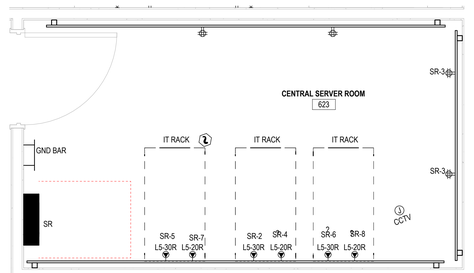
3 E-403 Police Station_Electtrical Room_Elevation 3
1/2" = 1'-0"



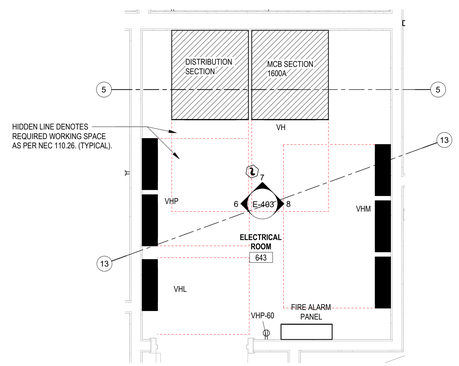
6 E-403 Village Hall_ Electrical Room Elevation 6
1/2" = 1'-0"



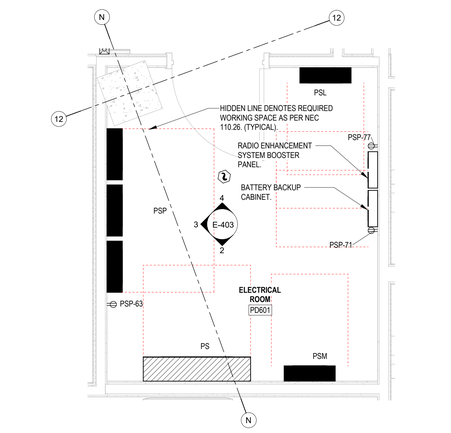
2 E-403 Police Station_Electtrical Room Elevation 2
1/2" = 1'-0"



9 E-403 06-Central Server Room Enlarged Plan
1/2" = 1'-0"



5 E-403 06-Village Hall_ Electrical Room
1/2" = 1'-0"



1 E-403 06-Police Station_Electrical Room Enlarged Plan.
1/2" = 1'-0"

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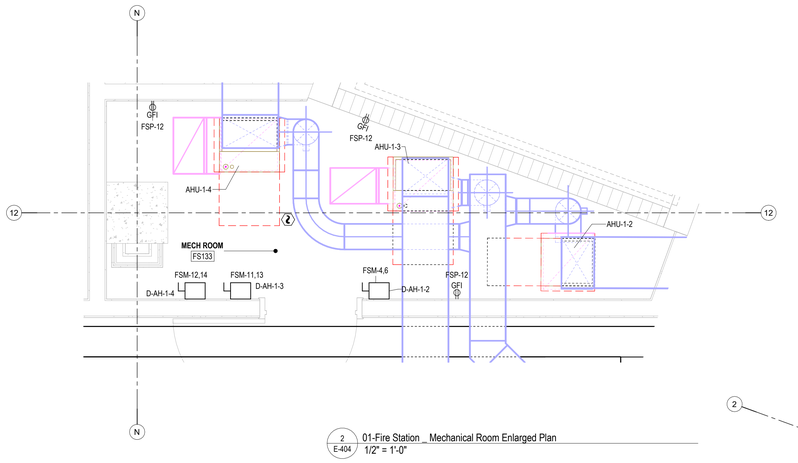
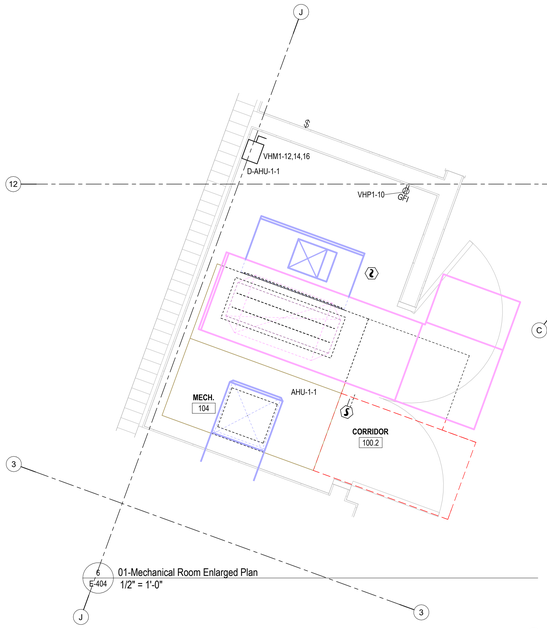
6	Revision 6	10/27/2025

ENLARGED PLANS -ELEC, IT ROOMS

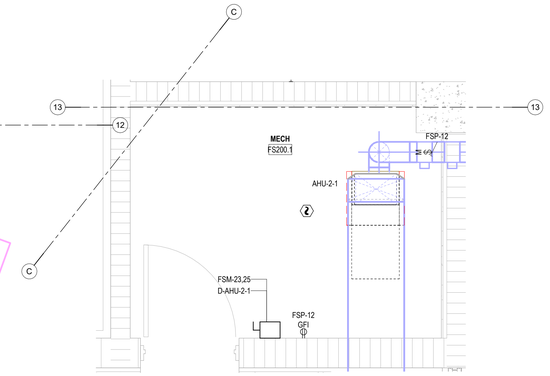
E-403



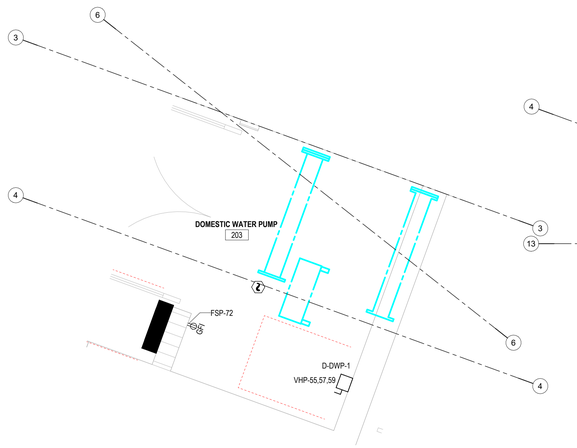
2 / E-404 01-Fire Station _ Mechanical Room Enlarged Plan
1/2" = 1'-0"



6 / E-404 01-Mechanical Room Enlarged Plan
1/2" = 1'-0"

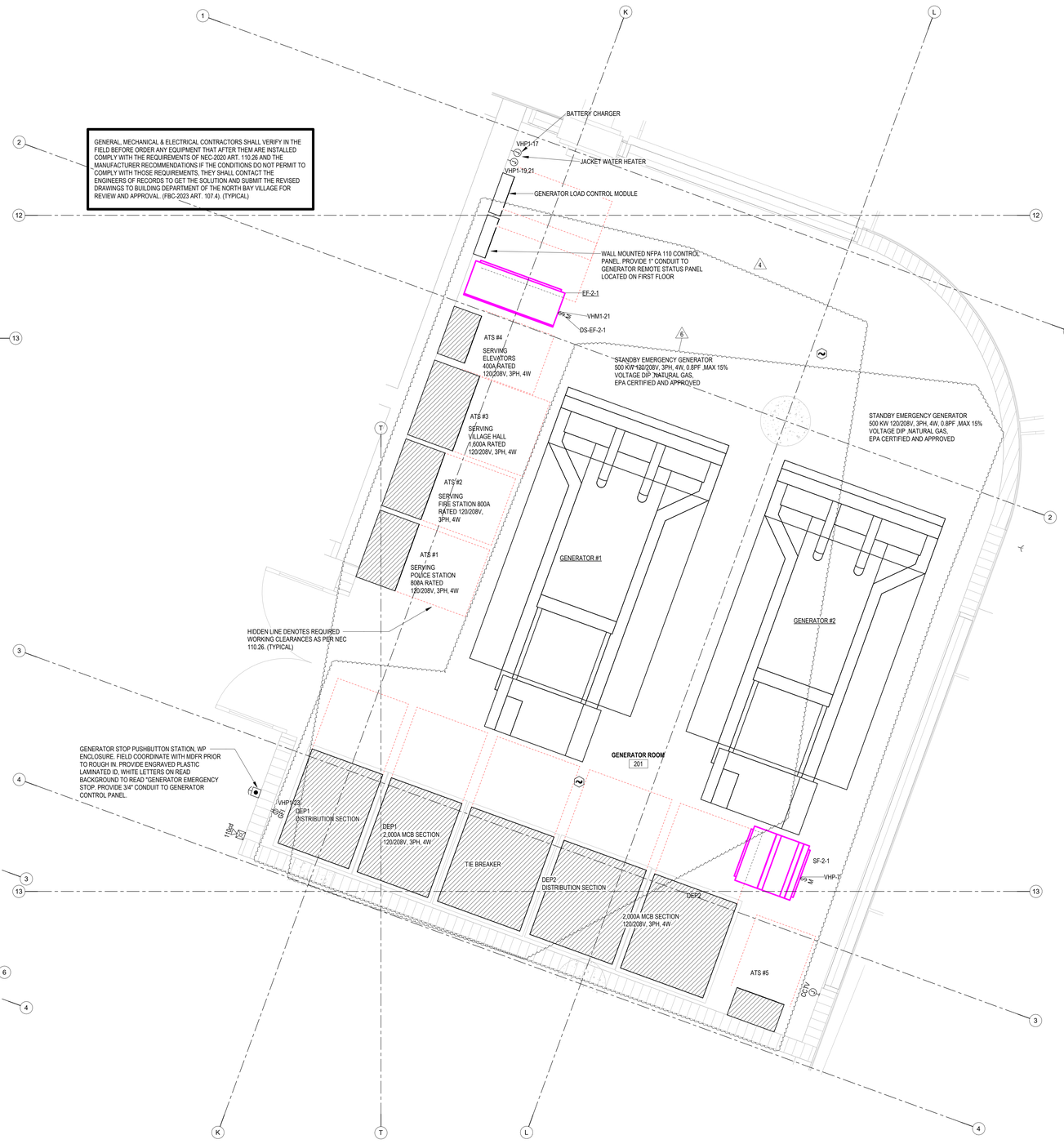


3 / E-404 02-Fire Station _ Mechanical Room Enlarged Plan
1/2" = 1'-0"



4 / E-404 02-Domestic Water Pump Enlarged Plan
1/2" = 1'-0"

GENERAL, MECHANICAL & ELECTRICAL CONTRACTORS SHALL VERIFY IN THE FIELD BEFORE ORDER ANY EQUIPMENT THAT AFTER THEM ARE INSTALLED COMPLY WITH THE REQUIREMENTS OF NEC-2020 ART. 110.26 AND THE MANUFACTURER RECOMMENDATIONS IF THE CONDITIONS DO NOT PERMIT TO COMPLY WITH THOSE REQUIREMENTS, THEY SHALL CONTACT THE ENGINEERS OF RECORDS TO GET THE SOLUTION AND SUBMIT THE REVISED DRAWINGS TO BUILDING DEPARTMENT OF THE NORTH BAY VILLAGE FOR REVIEW AND APPROVAL. (FBC-2023 ART. 107.4). (TYPICAL)



1 / E-404 02-Geneator Room Enlarged Plan
1/2" = 1'-0"

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ENLARGED PLANS -GENERATOR , MECH. ROOM

E-404

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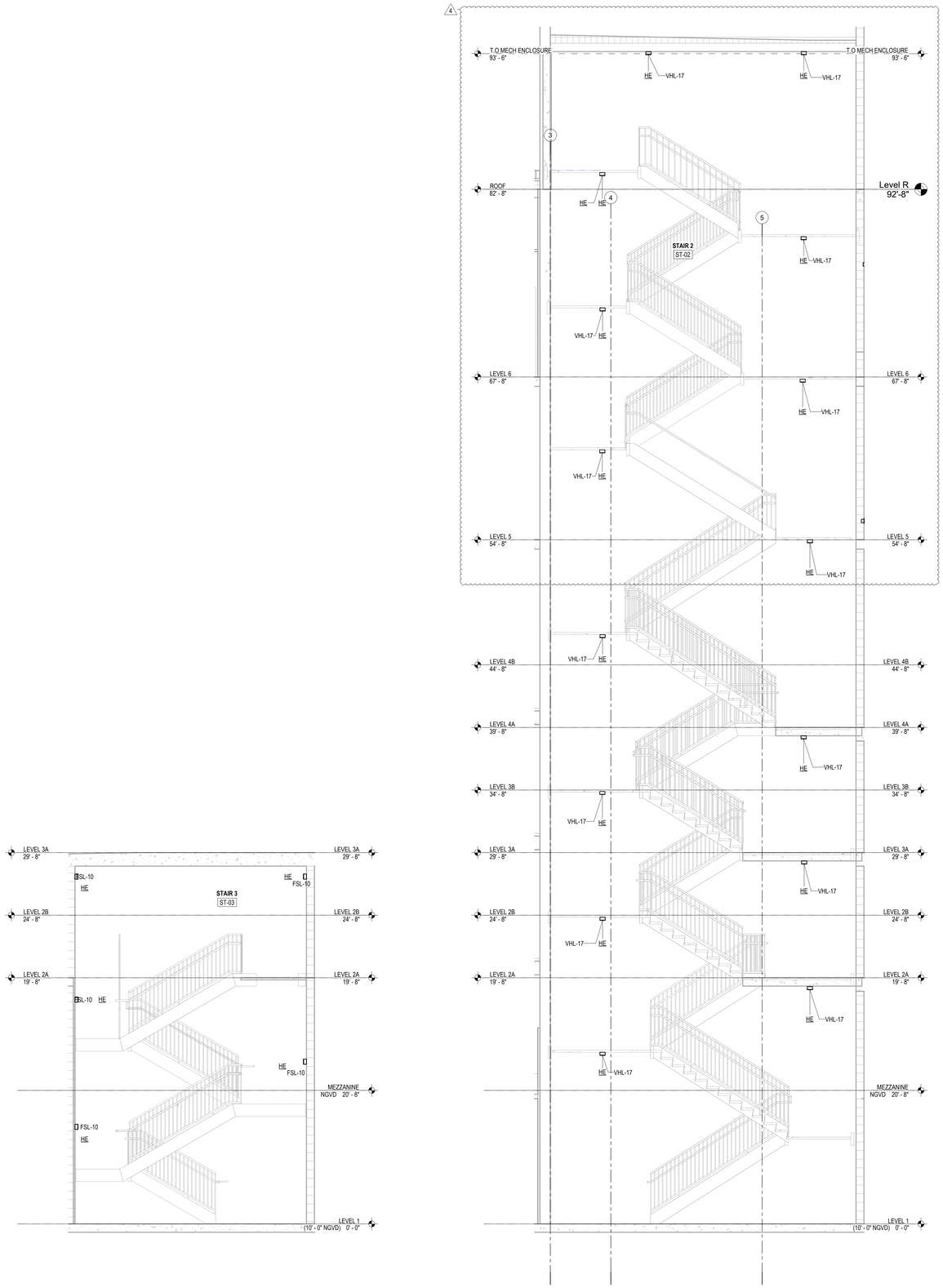

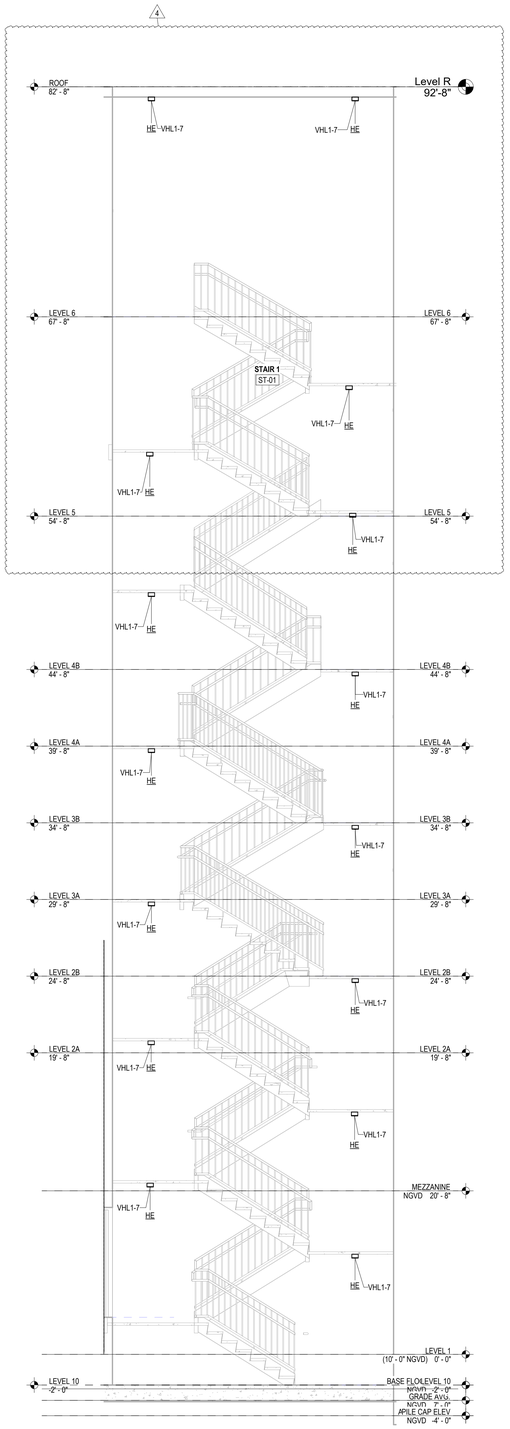

3 E-405 Stair 3 Elevation
1/4" = 1'-0"

2 E-405 STAIR 2 ELEVATION
1/4" = 1'-0"

1 E-405 STAIR 1 ELEVATION
1/4" = 1'-0"

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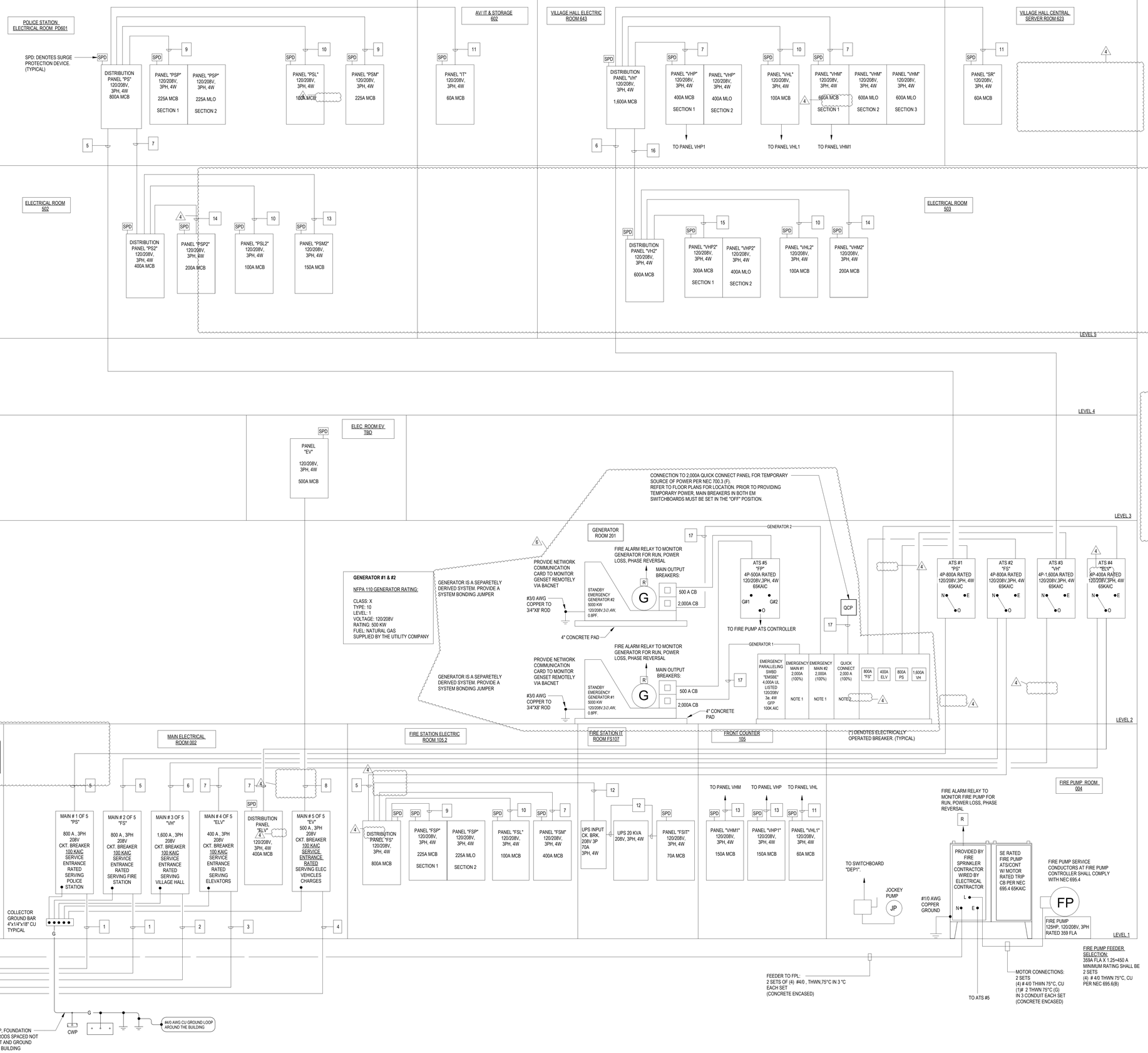
STAIR ELEVATIONS

E-405



FEEDER SCHEDULE	
1	2 SETS OF: (4) # 600 THWN, CU, 75°C IN 3-1/2" CONDUIT EACH SET
2	4 SETS OF: (4) # 600 THWN, CU, 75°C IN 3-1/2" CONDUIT EACH SET
3	(4) # 600 THWN, CU, 75°C IN 3-1/2" CONDUIT.
4	2 SETS OF: (4) # 250 THWN, CU, 75°C IN 2-1/2" CONDUIT.
5	2 SETS OF: (4) # 600 THWN, CU, 75°C (1) # 1/0 (G) THWN, CU, 75°C IN 3-1/2" CONDUIT EACH SET
6	4 SETS OF: (4) # 600 THWN, CU, 75°C (1) # 3/0 (G) THWN, CU, 75°C IN 3-1/2" CONDUIT EACH SET
7	(4) # 600 THWN, CU, 75°C (1) # 3 (G) THWN, CU, 75°C IN 3-1/2" CONDUIT.
8	2 SETS OF: (4) # 250 THWN, CU, 75°C (1) # 2 (G) THWN, CU, 75°C IN 2-1/2" CONDUIT EACH SET.
9	(4) # 4/0 THWN, CU, 75°C (1) # 4 (G) THWN, CU, 75°C IN 2-1/2" CONDUIT.
10	(4) # 3 THWN, CU, 75°C (1) # 6 (G) THWN, CU, 75°C IN 1-1/4" CONDUIT.
11	(4) # 6 THWN, CU, 75°C (1) # 10 (G) THWN, CU, 75°C IN 1" CONDUIT.
12	(4) # 4 THWN, CU, 75°C (1) # 6 (G) THWN, CU, 75°C IN 1-1/4" CONDUIT.
13	(4) # 1/0 THWN, CU, 75°C (1) # 6 (G) THWN, CU, 75°C IN 2" CONDUIT.
14	(4) # 3/0 THWN, CU, 75°C (1) # 6 (G) THWN, CU, 75°C IN 2" CONDUIT EACH SET
15	(4) # 350 THWN, CU, 75°C (1) # 4 (G) THWN, CU, 75°C IN 2-1/2" CONDUIT EACH SET
16	2 SETS OF: (4) # 350 THWN, CU, 75°C (1) # 1 (G) THWN, CU, 75°C IN 2-1/2" CONDUIT EACH SET
17	5 SETS OF: (4) # 600 THWN, CU, 75°C (1) # 250 (G) THWN, CU, 75°C IN 3-1/2" CONDUIT EACH SET

1 E-501 POWER RISER
NOT TO SCALE

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6	Revision 6	10/27/2025

ELECTRICAL RISER

E-501

FIRE ALARM SYSTEM SEQUENCE OF OPERATION

SEQUENCE OF OPERATION:

UPON ACTIVATION OF ANY MANUAL STATION THE FOLLOWING SHALL OCCUR:

1. ALL HORNS WILL SOUND UNTIL SYSTEM IS SILENCED.
2. ALL STROBES WILL FLASH UNTIL SYSTEM IS RESET.
3. AN ALARM SIGNAL SHALL BE SENT TO THE FACP & REMOTE ANNUNCIATOR.
4. A SIGNAL SHALL BE SENT TO THE OWNERS CENTRAL STATION VIA DACT.

UPON ACTIVATION OF ANY AUTOMATIC DEVICE THE FOLLOWING SHALL OCCUR:

1. ALL HORNS WILL SOUND UNTIL SYSTEM IS SILENCED.
2. ALL STROBES WILL FLASH UNTIL SYSTEM IS RESET.
3. AN ALARM SIGNAL SHALL BE SENT TO THE FACP & REMOTE ANNUNCIATOR.
4. A SIGNAL SHALL BE SENT TO THE OWNERS CENTRAL STATION VIA DACT.
5. ALL AIR HANDLER UNITS SHALL SHUT DOWN.
6. ALL DAMPERS WILL OPERATE.
7. INITIATE DOOR RELEASE AT ALL PATH OF EGRESS EXIT DOORS.

UPON ACTIVATION OF A WATERFLOW SWITCH, THE FOLLOWING SHALL OCCUR.

1. ALL HORNS WILL SOUND UNTIL SYSTEM IS SILENCED.
2. ALL STROBES WILL FLASH UNTIL SYSTEM IS RESET.
3. AN ALARM SIGNAL SHALL BE SENT TO THE FACP & REMOTE ANNUNCIATOR.
4. A SIGNAL SHALL BE SENT TO THE OWNERS CENTRAL STATION VIA DACT.
5. ALL AIR HANDLER UNITS SHALL SHUT DOWN.
6. ALL DAMPERS WILL OPERATE.
7. INITIATE DOOR RELEASE AT ALL PATH OF EGRESS EXIT DOORS.

UPON ACTIVATION OF A TAMPER SWITCH, THE FOLLOWING SHALL OCCUR.

1. A SUPERVISORY SIGNAL SHALL BE SENT TO THE FACP & REMOTE ANNUNCIATOR.
2. A SUPERVISORY SIGNAL SHALL BE SENT TO THE OWNERS CENTRAL STATION VIA DACT.

UPON ACTIVATION OF A DUCT SMOKE DETECTOR, THE FOLLOWING SHALL OCCUR.

1. A SUPERVISORY SIGNAL SHALL BE SENT TO THE FACP & REMOTE ANNUNCIATOR.
2. A SUPERVISORY SIGNAL SHALL BE SENT TO THE OWNERS CENTRAL STATION VIA DACT.
3. THE AIR HANDLER UNIT ASSOCIATED WITH THAT DUCT DETECTOR SHALL SHUT DOWN.
4. ANY DAMPERS ASSOCIATED WITH THAT AIR HANDLER WILL OPERATE.

CARD ACCESS CONTROL SYSTEM NOTES

CARD ACCESS SYSTEM SHALL COMPLY WITH NFPA 101, 2015 EDITION, SECTION 7.2.1.6.2 AS FOLLOWS:

1) A SENSOR SHALL BE PROVIDED ON THE EGRESS SIDE, ARRANGED TO UNLOCK THE DOOR LEAF IN THE DIRECTION OF EGRESS UPON DETECTION OF AN APPROACHING OCCUPANT

2) DOOR LEAFS SHALL AUTOMATICALLY UNLOCK IN THE DIRECTION OF EGRESS UPON LOSS OF POWER TO THE SENSOR OR TO THE PART OF THE ACCESS CONTROL SYSTEM THAT LOCKS THE DOOR LEAVES

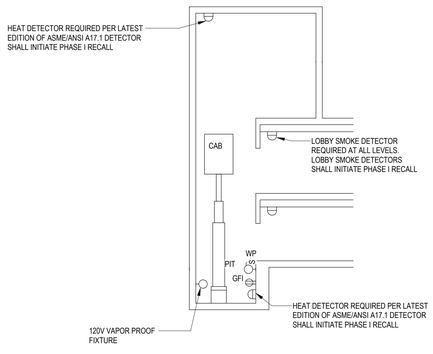
3) DOOR LOCKS SHALL BE ARRANGED TO UNLOCK IN THE DIRECTION OF EGRESS FROM A MANUAL RELEASE DEVICE COMPLYING WITH ALL OF THE FOLLOWING CRITERIA:
   a. THE MANUAL RELEASE DEVICE SHALL BE LOCATED ON THE EGRESS SIDE, 40" TO 48" VERTICALLY ABOVE THE FLOOR AND WITHIN 60" OF THE SEQUIRED DOOR OPENING
   b. THE MANUAL RELEASE DEVICE SHALL BE READILY ACCESSIBLE AND CLEARLY IDENTIFIED BY A SIGN THAT READS AS FOLLOWS - "PUSH TO EXIT"
   c. WHEN OPERATED, THE MANUAL RELEASE DEVICE SHALL RESULT IN DIRECT INTERRUPTION OF POWER TO THE LOCK - INDEPENDENT OF THE LOCKING SYSTEM ELECTRONICS - AND THE LOCK SHALL REMAIN UNLOCKED FOR NOT LESS THAN 30 SECONDS

4) ACTIVATION OF THE BUILDING FIRE PROTECTIVE SIGNALING SYSTEM, IF PROVIDED, SHALL AUTOMATICALLY UNLOCK THE DOOR LEAVES IN THE DIRECTION OF EGRESS AND THE DOOR LEAVES SHALL REMAIN UNLOCKED UNTIL THE FIRE PROTECTIVE SIGNALING SYSTEM HAS BEEN MANUALLY RESET

5) THE ACTIVATION OF MANUAL FIRE ALARM BOXES THAT ACTIVATE THE BUILDING FIRE PROTECTIVE SIGNALING SYSTEM SPECIFIED IN 7.2.1.6.2(4) SHALL NOT BE REQUIRED TO UNLOCK THE DOOR LEAVES

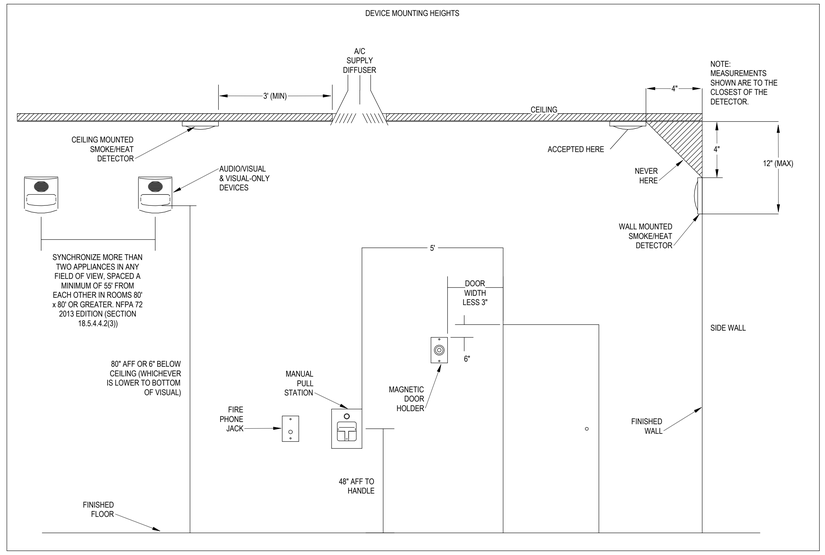
6) ACTIVATION OF THE BUILDING AUTOMATIC SPRINKLER OR FIRE DETECTION SYSTEM, IF PROVIDED, SHALL AUTOMATICALLY UNLOCK THE DOOR LEAVES IN THE DIRECTION OF EGRESS AND THE DOOR LEAVES SHALL REMAIN UNLOCKED UNTIL THE FIRE PROTECTIVE SIGNALING SYSTEM HAS BEEN MANUALLY RESET

7) THE EGRESS SIDE OF ACCESS CONTROLLED EGRESS DOORS, OTHER THAN EXISTING ACCESS CONTROLLED EGRESS DOORS, SHALL BE PROVIDED WITH EMERGENCY LIGHTING IN ACCORDANCE WITH SECTION 7.9



NOTE:
ELEVATOR PITS SHALL BE PROVIDED WITH A MINIMUM OF (2) LIGHT FIXTURES TO PROVIDE 10 F.C. AT BASE OF PIT, AND SHALL BE LOCALLY SWITCHED.

7 E-502 ELEVATOR DETAIL
NOT TO SCALE



1 E-502 FA DEVICE MOUNTING HEIGHTS
NOT TO SCALE

FIRE ALARM SYSTEM GENERAL NOTES

1. THE EXTENT OF THE FIRE ALARM SYSTEM WORK IS INDICATED BY THE DRAWINGS SCHEDULES, DETAILS AND SPECIFICATIONS.
2. THE FIRE ALARM RISER IS A DIAGRAMMATIC GUIDE FOR THE INSTALLATION OF THE FIRE ALARM EQUIPMENT. THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A COMPLETE, OPERATING, CODE COMPLIANT SYSTEM.
3. ALL NEW SYSTEM COMPONENTS SHALL MATCH AND BE OF THE SAME MANUFACTURER AND LISTED AS SUCH FOR COMPATIBILITY.
4. ALL FIRE ALARM SYSTEM COMPONENTS SHALL BE UL LISTED AND LABELED.
5. SIGNALING CIRCUITS SHALL BE POWER LIMITED PER NEC 760.
6. FIRE ALARM CONTRACTOR SHALL PROVIDE DETAILED INSTALLATION SHOP DRAWINGS INDICATING AS A MINIMUM: DATA CUT SHEETS, DEVICE LOCATIONS, DESCRIPTIONS, ADDRESS/ZONE, CONDUIT SIZE, WIRING TYPE AND SIZE, BATTERY CALCULATIONS, VOLTAGE DROP CALCULATIONS.
7. INSTALLATION SHOP DRAWINGS, INCLUDING DEVICE DATA CUT SHEETS AND WIRING DIAGRAMS, SHALL BE SUBMITTED CONCURRENTLY AND COMPLETE, TO ALLOW FOR A COMPLETE REVIEW.
8. ALL WIRING MUST CONFORM WITH NEC ARTICLE 760 AND LOCAL CODES. ALL EQUIPMENT SHALL BE UL LISTED. ALL DEVICES SHALL BE COMPATIBLE WITH THE CONTROL PANEL.
9. ALL MISCELLANEOUS MATERIALS SUCH AS CONDUITS, FITTINGS, BOXES, HANGARS, ETC, REQUIRED FOR A COMPLETE INSTALLATION ARE TO BE PROVIDED AND INCLUDED.
10. ALL INITIATING AND INDICATING CIRCUITS MUST BE SUPERVISED.
11. CIRCUIT POLARITY MUST BE OBSERVED.
12. WIRE RUNS ARE SHOWN DIAGRAMMATICALLY. EXACT LOCATION OF ALL EQUIPMENT TO BE DETERMINED IN THE FIELD AND COORDINATED WITH OTHER TRADES PRIOR TO ROUGH IN INSTALLATIONS. THE CONTRACTOR SHALL FOLLOW THE DESIGN INTENT AS SHOWN ON THE BASIC LAYOUTS SHOWN ON THE DRAWINGS.
13. DETECTORS SHALL NOT BE LOCATED IN DIRECT AIR STREAM FROM SUPPLY AIR OUTLETS. MAINTAIN A MINIMUM CLEAR DISTANCE OF 36". FIELD OFFSET AND ADJUST LOCATIONS AS REQUIRED.
14. MINIMUM CONDUIT SIZE WILL BE 3/4" UNLESS NOTED OTHERWISE. CONDUIT SHALL BE NO MORE THAN 40% FILLED.
15. DO NOT MARK ID NUMBERS ON DEVICES. LABEL BASE ONLY.
16. POWER UP & POWER DOWN ON PANEL MUST BE DONE IN SEQUENCE:
    POWER DOWN
    A- DISCONNECT BATTERY.
    B- TURN OFF AC POWER PRIMARY & SECONDARY.

    POWER UP
    A- TURN ON AC POWER PRIMARY & SECONDARY.
    B- RECONNECT BATTERIES.
17. THE FIRE ALARM CONTROL PANEL SHALL NOT BE USED TO POWER ANY UNAUTHORIZED EXTERNAL DEVICE.
18. STROBES ARE TO BE WALL MOUNTED PER ADA REQUIREMENTS. FINAL LOCATION OF THESE DEVICES TO BE DETERMINED IN FIELD, COORDINATED WITH EXISTING FIELD CONDITIONS. MOUNT STROBES 80" AFF TO TOP OF LENS OR 6" BELOW CEILING TO TOP OF LENS, WHICHEVER IS LOWER.
19. ALL SPEAKERS TO BE TAPPED AT STANDARD SETTINGS EACH PROVIDING 93 DB AT 10 FT 10 FT (TYPICAL ANECHOIC DBA). ADJUST TAP SETTING AS REQUIRED FOR AMBIENT NOISE.
20. FIRE ALARM CONTROL PANEL MUST BE CONNECTED TO BUILDING MAIN GROUNDING SYSTEM VIA 1 GREEN #10 AWG COPPER THHN OR EQUIVALENT.
21. ANY SURFACE MOUNTED FIRE ALARM DEVICES, i.e., PULL STATION, STROBE, COMBINATION HORN/STROBE SHALL BE MOUNTED IN "SYSTEMS" BOXES PROVIDED BY THE MANUFACTURER.
22. PROVIDE AND INSTALL ALL DEVICES AS INDICATED ON THE FLOOR PLANS, AND/OR RISER DIAGRAM AND/OR DETAILS AND/OR SPECIFICATIONS AS REQUIRED FOR A COMPLETELY FUNCTIONAL AND CODE COMPLIANT OPERATIONAL SYSTEM
23. ALL NEW NOTIFICATION APPLIANCES INSTALLED ON THE SAME ROOM OR ADJACENT SPACE WITHIN THE FIELD OF VIEW SHALL FLASH IN SYNCHRONIZATION.
24. AHU SHUTDOWN IS BY THE RELAYS LOCATED IN THE DUCT DETECTORS. THIS MUST BE USED IN THE NORMALLY CLOSED POSITION SO THAT A LOSS OF CONTINUITY BETWEEN THE RELAY CONTACT AND THE UNIT WILL CAUSE AHU SHUTDOWN. RELAY CONTACTS ARE RATED AT 2 AMPS 120 VAC, 24 VDC. UNDER NO CIRCUMSTANCES COULD THIS BE EXCEEDED. FAN SHUTDOWN RELAYS MUST BE LOCATED WITHIN 3' OF STARTER COIL PER NFPA 72.
25. CABLE PENETRATION INTO OR THROUGH PLENUM AREAS USED FOR TRANSFER OF ENVIRONMENTAL AIR SHALL BE TEFLON INSULATED TYPE OR OF AN APPROVED TYPE IN ACCORDANCE WITS SECTION 800-3(D) OF THE NATIONAL ELECTRIC CODE.
26. ELECTRICAL CONTRACTOR MUST SET ADDRESSES FOR ADDRESSABLE DEVICES PRIOR TO INSTALLING THE DEVICE.
27. DAMPER MOTOR AND FAN SHUTDOWN CONNECTIONS ARE TO BE COORDINATED IN FIELD WITH HVAC CONTRACTOR.
28. MANUAL PULL STATIONS SHALL BE MOUNTED SO THAT THE OPERATING LEVER IS BETWEEN 42" AND 48" ABOVE THE FINISHED FLOOR
29. FIRE ALARM SYSTEM SHOWN IN THIS SET OF DOCUMENTS IS FOR DESIGN INTENT ONLY. ELECTRICAL CONTRACTOR IS FULLY RESPONSIBLE TO PROVIDE INSTALLATION DRAWINGS, ALONG WITH SHOP DRAWINGS, SHOWING ACTUAL LOCATION OF DEVICES, DEVICE NUMBERS, BATTERY CALCULATIONS, INSTALLATION RISER DIAGRAMS, AND ANY OTHER DOCUMENTATION NEEDED AND REQUESTED BY THE FIRE DEPARTMENT.
30. IN CASE INSTALLATION DRAWINGS NEED TO BE SIGNED & SEALED BY A PROFESSIONAL LICENSED ENGINEER, SUCH ENGINEER MUST BE HIRED SEPARATELY BY THE CONTRACTOR, AT ITS OWN COST TO PERFORM SUCH TASK.
31. THESE DRAWINGS ARE ACCEPTED BY THE FIRE DEPARTMENT AS A CONCEPTUAL DESIGN ONLY. FIRE ALARM CONTRACTOR'S WORKNG PLANS AS PER F.S.S.633.70(4) MUST BE SUBMITTED TO AND APPROVED BY MIAMI DADE COUNTY FIRE DEPARTMENT BEFORE ANY FIRE ALARM SYSTEM IS INSTALLED OR REMODELED.
32. FIRE ALARM INITIATING DEVICES REQUIRED FOR FIREFIGHTERS SERVICE ASME A17.1-2000 2.27.3.2 (A17.1-1996 REQUIREMENT 211.3b) SHALL PROVIDE NORMALLY CLOSED CONTACTS RATED FOR APPLICATION OF 24dc AT 10mA RESISITIVE FOR EACH DEVICE THAT OPENS UPON ACTIVATION. OUTPUTS FROM DEVICES (LOCATED AS IDENTIFIED BELOW) ARE REQUIRED TO BE SUPPLIED TO THE CONTROLLER LOCATION, AND SHALL HAVE A SINGLE COMMON FOR CONNECTION TO ELEVATOR SYSTEM.
    MAIN FLOOR
    LANDING FLOOR (ALL BUT MAIN FLOOR)
    MACHINERY SPACE CONTAINING DRIVING MACHINE OR A MOTOR CONTROLLER
    WHERE THE HOISTWAY IS EQUIPPED WITH SPRINKLERS, A DEVICE SHALL ALSO BE LOCATED AT THE TOP OF THE HOISTWAY.
    IF A SPRINKLER SYSTEM IS INSTALLED IN THE HOISTWAY:
    THE BUILDING SHALL PROVIDE SHUNT TRIP ACTIVATION
    (a) OF THE POWER FEED TO THE MAIN ELEVATOR DISCONNECT (JH)
    (b) OF THE MAIN ELEVATOR DISCONNECT ITSELF
    IF THE FORMER, NECESSARY EQUIPMENT WILL TYPICALLY BE LOCATED IN THE MACHINERY SPACE OUTSIDE HOISTWAY. THIS REQUIRES ONE POSITIVELY DRIVEN AUXILIARY CONTACT PER CAR TO PREVENT UNINTENDED INITIATION OF THE AUTOMATIC EVACUATION FEATURE. THIS AUXILIARY CONTACT MUST OPEN WHEN THE POWER FEED IS IN THE "OFF" STATE.
33. PROVIDE SURGE PROTECTORS ON DATA LOOPS.
34. ALL MODULES ABOVE THE CEILING NEED TO BE LABELED ON THE CEILING GRID WITH LOOP AND DEVICE ADDRESS.
35. PROVIDE FIRE ALARM RELAY FOR CONNECTIONS TO ALL ROOMS WITH DIMMABLE, STROBING OR COLORED LIGHTING IN ORDER TO ACHIEVE FULL BRIGHTNESS UNDER FIRE ALARM CONDITIONS.

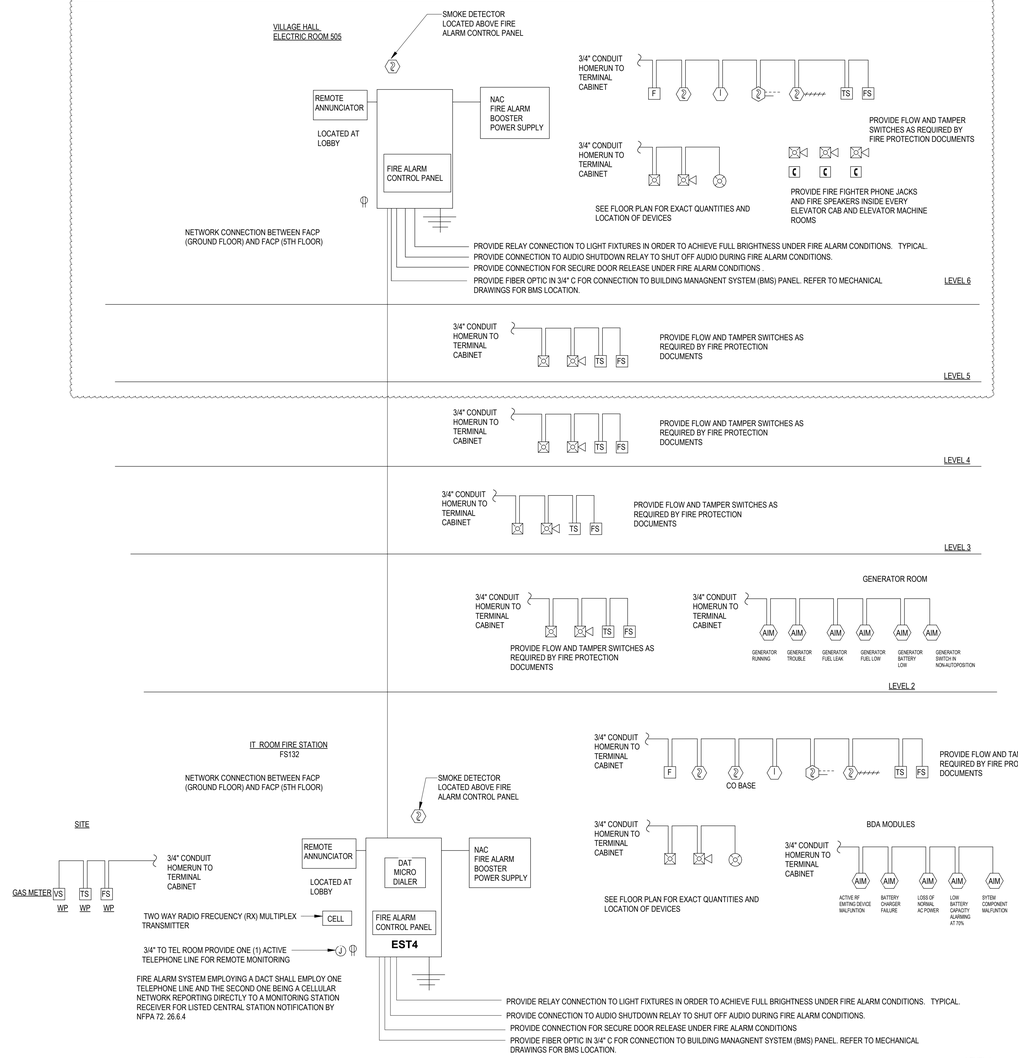
FIRE ALARM SYSTEM LEGEND

SYMBOL	DESCRIPTION SMOKE DETECTOR	MANUFACTURER	CATALOG No.	REMARKS
F	MANUAL PULL STATION	EST	SIGA-278	
F WP	MANUAL PULL STATION, WHEATHER PROOF	EST	SG-32	
S	SPEAKER	EST	G4SWF	
	STROBE, WALL, CANDELA AS INDICATED	EST	G4VWF	
	STROBE, CEILING, CANDELA AS INDICATED	EST	GCVWF	
S	SPEAKER/STROBE, WALL, CANDELA AS INDICATED	EST	G4SVWF	
S	SPEAKER /STROBE, CEILING, CANDELA AS INDICATED	EST	GCSVWF	
WP	SPEAKER/STROBE, WALL, CANDELA AS INDICATED, WHEATHER PROOF	EST	WG4RF-VMHC	
	REMOTE INDICATOR W/ TEST SWITCH, WALL	EST	SIGA-TRK	
	REMOTE INDICATE W/ TEST SWITCH, CEILING	EST		
2	SMOKE DETECTOR	EST	SIGA- OSD	
1	HEAT DETECTOR	EST	SIGA- HRD	
2 CO BASE	COMBINATION SMOKE/ CO SENSOR	EST	AB4G-LF/SIGA-OSCD	
2	DUCT SMOKE DETECTOR (*)	EST	SIGA- SD	
2	SMOKE DAMPER	BY OTHERS		
C	FIRE SERVICE PHONE	EST	6833-1	
PIV	PIV: POST INDICATOR VALVE SUPERVISORY	BY OTHERS		
FS	FLOW SWITCH	BY OTHERS		
TS	TAMPER SWITCH	BY OTHERS		
R	MONITORING RELAY	BY OTHERS		
VS	VALVE SUPERVISORY SWITCH	BY OTHERS		
CELL	STARLINK COMMERCIAL FA CELLULAR ALARM COMMUNICATIONS	EST	SLE-MAXVI-CFBPS	
FAA	REMOTE ANNUNCIATOR WITH VOICE CAPABILITY	EST	4-2ANN	
FATC	FIRE ALARM TERMINAL CABINET	BY OTHERS		
FACP	FIRE ALARM CONTROL PANEL	EST	EST4	

(*) DUCT SMOKE DETECTOR LOCATIONS SHOWN ON PLANS ARE DIAGRAMMATIC AND SHOWN FOR REFERENCE ONLY. DUCT DETECTORS SHALL BE PROVIDED ON ALL SUPPLY AND RETURN AIR DUCTS WHICH ENTER AND EXIT THE UNITS. FA SUBCONTRACTOR WILL PROVIDED TEH DETECTORS TO THE MECHANICAL SUBCONTRACTOR WHO WILL INSTALL SAME. SAMPLING TUBES SHALL BE INSTALLED INSIDE THE DUCTWORK AND SHALL NOT SAMPLE AIR FROM MIXED AIR PLENUMS. FIRE ALARM SUBCONTRACTOR WILL ASSIST THE MECHANICAL SUBCONTRACTOR IN PROPERLY LOCATING THE DETECTORS IN ACCORDANCE TO NFPA 72, APPENDIX A

EST: EDWARDS SYSTEM TECHNOLOGY

CONTRACTOR IS REQUESTED TO SUBMIT TO ENGINEER OF RECORD (EOR) FOR REVIEW AND APPROVAL PRIOR TO SUBMITTAL TO BUILDING DEPARTMENT OF NORTH BAY VILLAGE SIGNED AND SEALED SHOP DRAWINGS AND CALCULATIONS BY A LICENSED FLORIDA PROFESSIONAL ENGINEER FOR FIRE ALARM SYSTEM. (RULE 61G15-32.F.A.C.)



2 E-502 FIRE ALARM RISER
NOT TO SCALE

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AA002416 EB 002354

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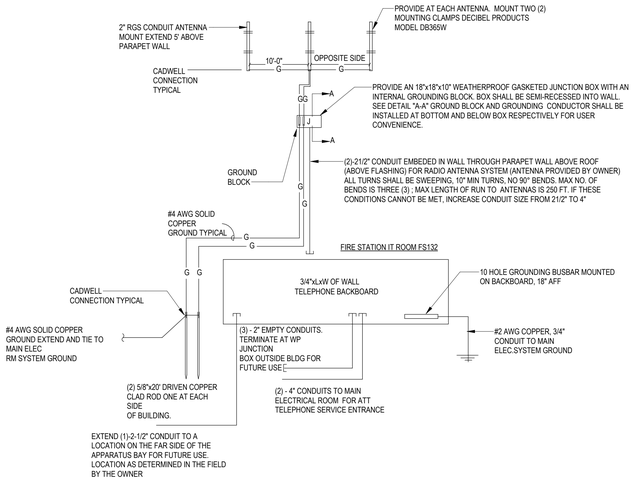
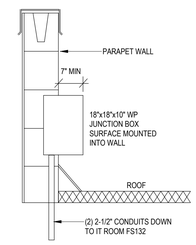


- PROVIDE, INSTALL, CERTIFY AND DOCUMENT ALL TELECOMMUNICATIONS WIRING AND EQUIPMENT ASSOCIATED WITH THE VOICE, DATA, OVERHEAD PAGING, AND RADIO-BASED RECALL SYSTEMS AS SPECIFIED.

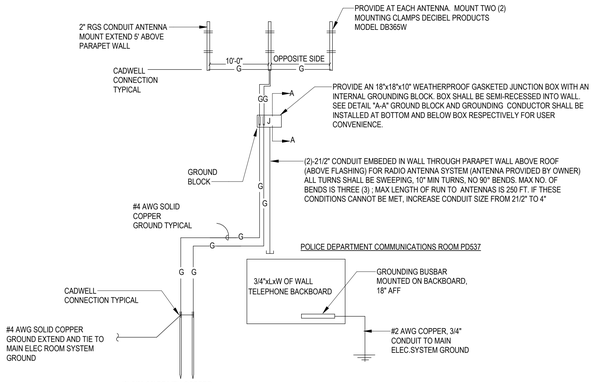
- ALL CABLES SHALL BE CAT 5e UNLESS NOTED OTHERWISE AND SHALL BE CHECKED FOR FUNCTION AND DATA HANDLING CAPABILITY.

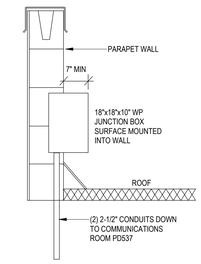
- WHERE CABLES RUN THROUGH A FIRE RATED PENETRATION, APPROPRIATE FIRE STOPPING MATERIALS MUST BE INSTALLED ACCORDING TO ALL APPLICABLE STANDARDS.

4 E-503 FIRE STATION ANTENNA DETAIL
NOT TO SCALE



SECTION A-A
NTS





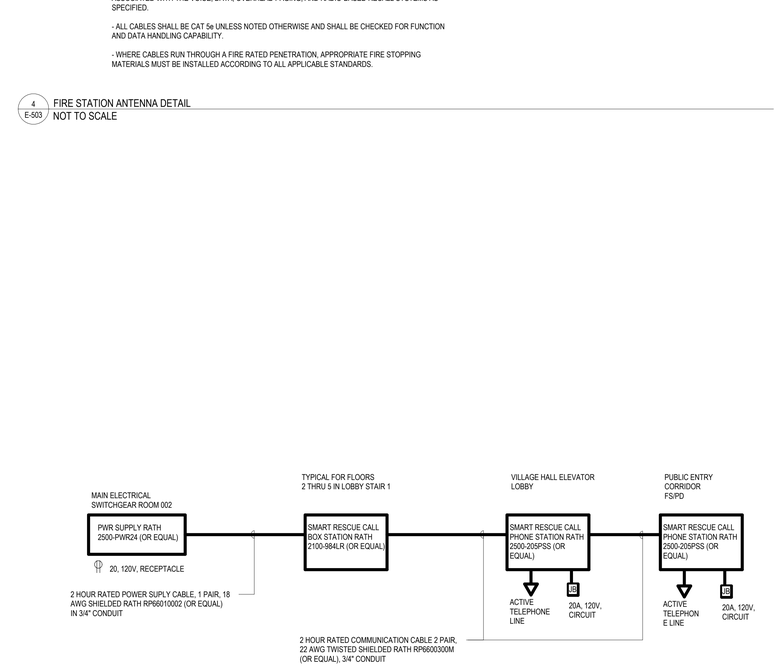
SECTION A-A
NTS

- PROVIDE, INSTALL, CERTIFY AND DOCUMENT ALL TELECOMMUNICATIONS WIRING AND EQUIPMENT ASSOCIATED WITH THE VOICE, DATA, OVERHEAD PAGING, AND RADIO-BASED RECALL SYSTEMS AS SPECIFIED.

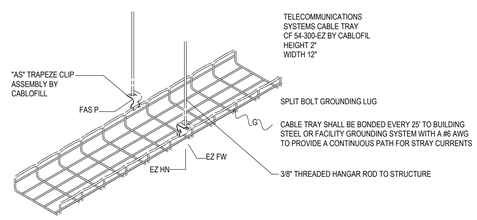
- ALL CABLES SHALL BE CAT 5e UNLESS NOTED OTHERWISE AND SHALL BE CHECKED FOR FUNCTION AND DATA HANDLING CAPABILITY.

- WHERE CABLES RUN THROUGH A FIRE RATED PENETRATION, APPROPRIATE FIRE STOPPING MATERIALS MUST BE INSTALLED ACCORDING TO ALL APPLICABLE STANDARDS.

5 E-503 POLICE DEPARTMENT ANTENNA DETAIL
NOT TO SCALE

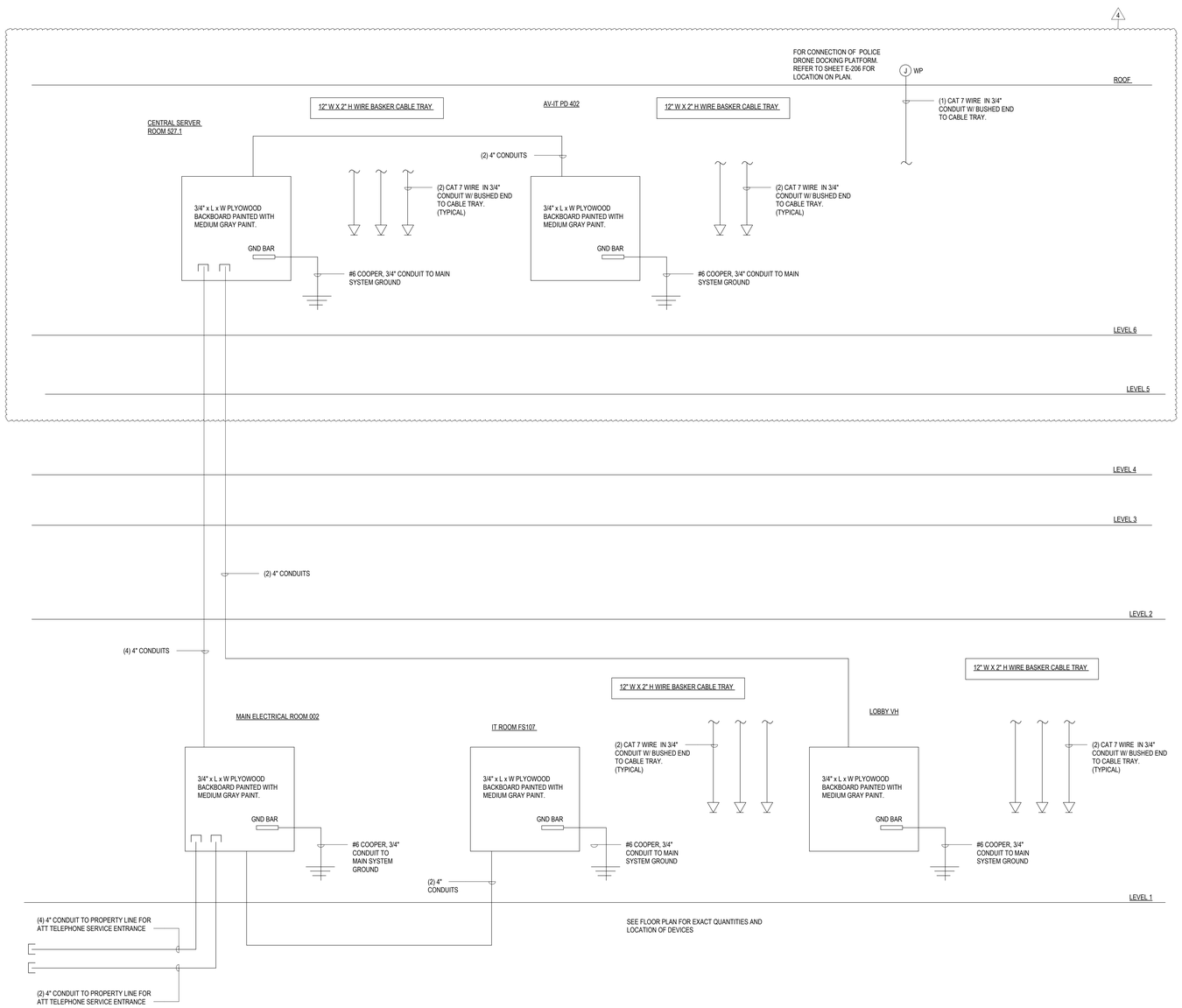


3 E-503 AREA OF REFUGE TWO-WAY COMUNICATION RISER DIAGRAM
NOT TO SCALE



NOTE: CABLE TRAY SYSTEM SHALL BE ELECTRICALLY CONTINUOUS AND SHALL BE EFFECTIVELY BONDED AND GROUNDED PER NEC 2014 ART 392.60

2 E-503 CABLE TRAY DETAIL
NOT TO SCALE



1 E-503 SYSTEM RISER
NOT TO SCALE

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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FL. NO. 53823

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33140

10/27/2025 12:21:54 PM

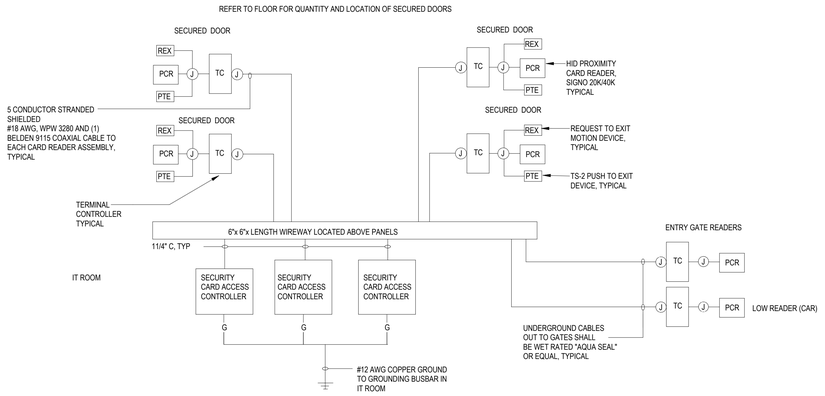
Project Number
WJ 2312

DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE
1	Bldg. Comments	11/08/2024
4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

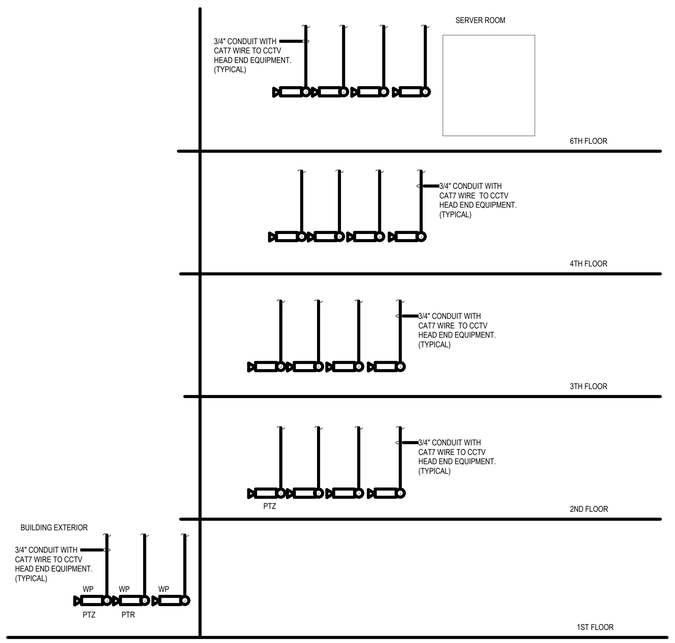
SYSTEMS RISER

E-503



3 E-504 CARD ACCESS CONTROL SYSTEM
NOT TO SCALE

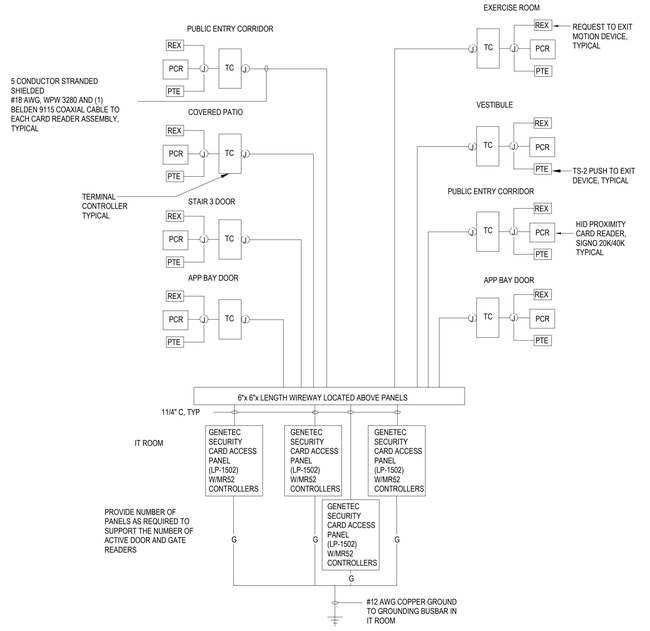
PROVIDE (1) SYSTEM FOR VILLAGE HALL AND (1) SYSTEM FOR POLICE



PTZ= CCTV CAMERA WITH PAN, TILT AND ZOOM CAPABILITIES
PTR= CCTV CAMER WITH PAN, TILT AND ROTATE CAPABILITIES

REFER TO SYSTEMS FLOOR PLAN FOR QUATITIES AND LOCATION OF DEVICES.

4 E-504 CCTV RISER
12" = 1'-0"



1 E-504 FIRE STATION CARD ACCESS CONTROL SYSTEM
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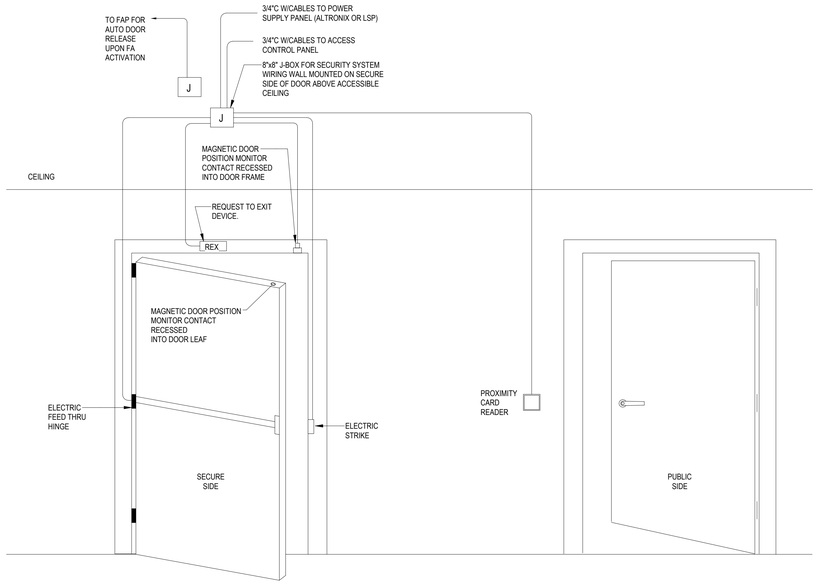

NOTES:

1. CARD READER MOUNTED ON A DOUBLE GANG BOX WITH SINGLE GANG RING
2. RECESSED MOUNTED DOOR CONTACT
3. EXIT SENSOR MOUNTED ON SINGLE GANG BOX WITH SINGLE GANG PLATE
4. LOCATION OF JUNCTION BOX ABOVE DOOR IS SHOWN FOR REFERENCE
5. ONLY. FIELD COORDINATE EXACT LOCATION
6. MINIMUM SIZE CONDUIT SHALL BE 3/4" UNLESS NOTED OTHERWISE

2 E-504 TYPICAL ACCESS CONTROLLED DOOR DETAIL
NOT TO SCALE

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ERNESTO ALOMA LICENSE No 53823 STATE OF FLORIDA PROFESSIONAL ENGINEER

ERNESTO ALOMA, P.E.
FL ENGINEER
FL NO. 53823

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA. 33140

10/27/2025 12:21:56 PM

Project Number
WJ 2312

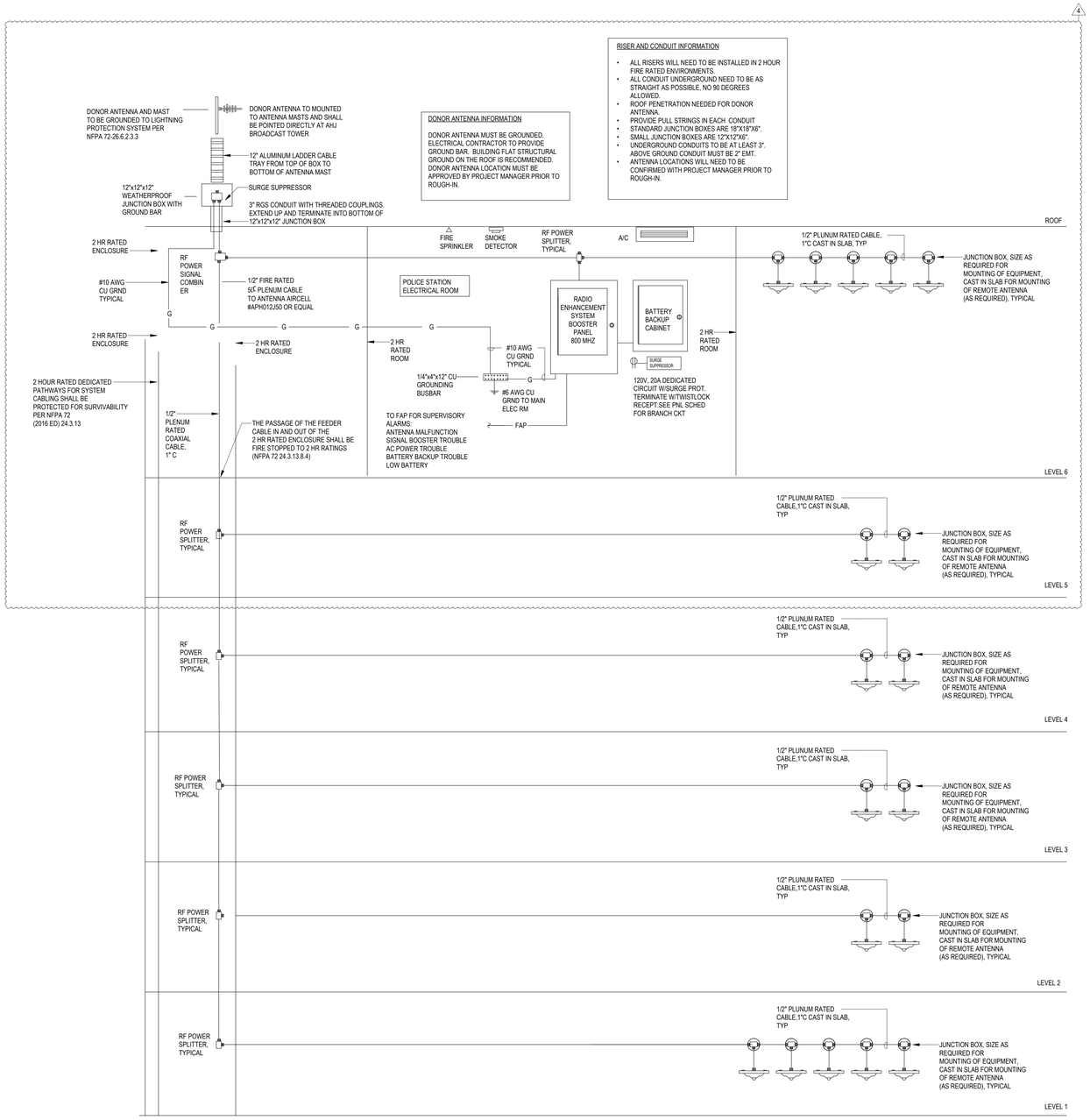
DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE
1	Bldg. Comments	11/08/2024
6	Revision 6	10/27/2025

SECURITY RISERS

E-504

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



BDA SYSTEM NOTES

PROVIDE (2) DEDICATED 20A CIRCUITS FOR BDA AND BBU (BATTERY BACKUP UNIT)
PROVIDE GROUNDING SYSTEM FOR BDA UNIT AT LEAST 8' FROM THE BDA.
PROVIDE (5) MONITOR MODULES CONNECTED TO FIRE ALARM PANEL.
DONOR ANTENNA MUST BE GROUNDED

BDA LOCATION (ELECTRICAL ROOM)
ROOM FOR THE BDA MUST BE AIR CONDITIONED OR MECHANICALLY VENTILATED.
PROVIDE FIRE TREATED PLYWOOD BOARD 4'X6'.
BDA AND BBU WILL REQUIRE (2) L5-20 RECEPTACLES CONNECTED TO 20A C.B.
GROUND AT LEAST 8' FROM THE BDA.
BDA WILL NEED (5) MODULES TO CONNECT TO FIRE ALARM.

RISERS FOR BDA SYSTEM MUST BE LOCATED OUTSIDE STAIRWELL AND ENCLOSED/WRAPPED IN A 2 HOUR RATED ENVIRONMENT (3M INTERAM ENDOTHERMIC MAT E-5A-4)

1 / E-505 BUILDING DISTRIBUTED ANTENNA SYSTEM (BDA) RISER DIAGRAM
NOT TO SCALE

DESIGN ARCHITECT
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AA002416 EB 002354

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ERNESTO ALOMA LICENSE No 53823 STATE OF FLORIDA PROFESSIONAL ENGINEER

ERNESTO ALOMA, P.E.
FL. ENGINEER
FL. NO. 53823

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10/27/2025 12:21:56 PM

Project Number
WJ 2312

DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE
4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

BDA RISER DIAGRAM

E-505

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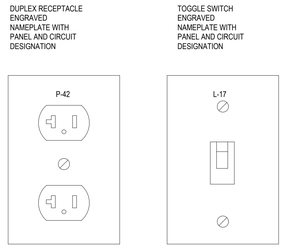
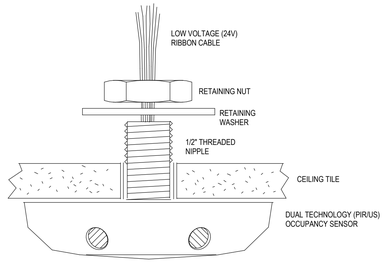


EMERGENCY RECEPTACLES SHALL BE RED DEVICE WITH RED FACEPLATE

4 E-601 ELECTRICAL DEVICE IDENTIFICATION DETAIL
NTS

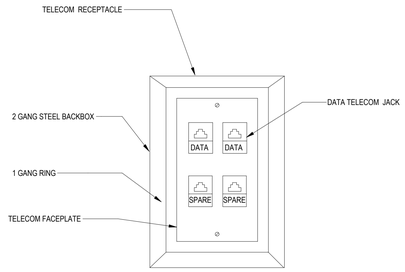


DO NOT MOUNT SENSOR HIGHER THAN 14'-0" AFF

CEILING MTD OCCUPANCY SENSOR

NO SCALE

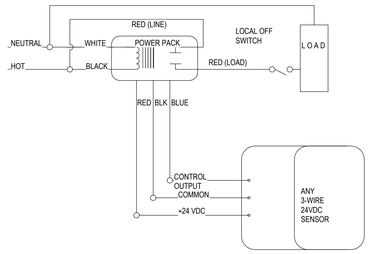
1 E-601 CELING MOUNTED OCCUPANCY SENSOR
NTS



TYPICAL DATA JACK DENOTED ON PLAN BY THE SYMBOL

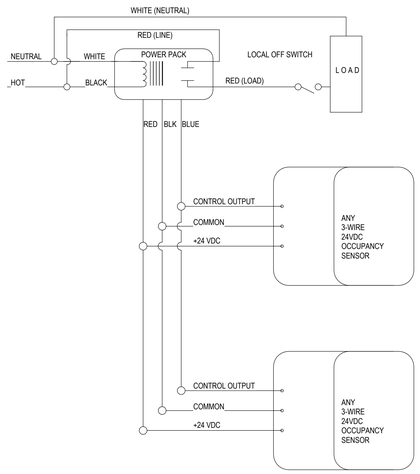
FOUR PORT ANGLE FACE PLATE, PROVIDE WITH TIA CAT 7 JACKS.

5 E-601 TYPICAL DATA JACK DETAIL
NTS



CEILING MTD OCCUPANCY SENSOR WITH LIGHT SWITCH

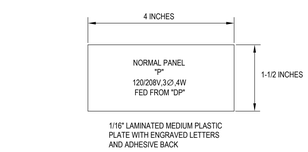
2 E-601 CLNG MTD OS W SWITCH WIRING DIAGRAM
NTS



CEILING MTD MULTIPLE OCCUPANCY SENSORS W/ONE POWER PACK

MAXIMUM NUMBER OF SENSORS PER POWER PACK DEPENDS ON THE SPECIFIC SENSORS MODEL USED. SEE THE PRODUCT DATA SHEET TO DETERMINE THE CURRENT CONSUMPTION OF EACH SENSOR.

3 E-601 CLNG MTD MULTIPLE OS W ONE POWER PACK
NTS



1/16" LAMINATED MEDIUM PLASTIC PLATE WITH ENGRAVED LETTERS AND ADHESIVE BACK

PANELBOARD NAMEPLATE DETAIL

NTS

TYPICAL FOR ALL PANELBOARDS.
NORMAL PANELBOARDS SHALL BE BLACK PLATE WITH WHITE LETTERS.
EMERGENCY PANELBOARDS SHALL BE RED PLATE WITH WHITE LETTERS

6 E-601 PANELBOARD NAMEPLATE DETAIL
NTS

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BRANCH CIRCUIT FEEDER CONDUIT SIZE

Ckt. Brk. Rating	No. of Poles	Wires	Equipment Ground	Conduit Size
15A	1	(2) # 12 THWN, CU, 75°C	(1) # 12 THWN, CU, 75°C	3/4"
	2	(3) # 12 THWN, CU, 75°C		
	3	(4) # 12 THWN, CU, 75°C		
20A	1	(2) # 12 THWN, CU, 75°C	(1) # 12 THWN, CU, 75°C	3/4"
	2	(3) # 12 THWN, CU, 75°C		
	3	(4) # 12 THWN, CU, 75°C		
25A	1	(2) # 10 THWN, CU, 75°C	(1) # 10 THWN, CU, 75°C	3/4"
	2	(3) # 10 THWN, CU, 75°C		
	3	(4) # 10 THWN, CU, 75°C		
30A	1	(2) # 10 THWN, CU, 75°C	(1) # 10 THWN, CU, 75°C	3/4"
	2	(3) # 10 THWN, CU, 75°C		
	3	(4) # 10 THWN, CU, 75°C		
40A	1	(2) # 8 THWN, CU, 75°C	(1) # 10 THWN, CU, 75°C	3/4"
	2	(3) # 8 THWN, CU, 75°C		
	3	(4) # 8 THWN, CU, 75°C		
50A	1	(2) # 8 THWN, CU, 75°C	(1) # 10 THWN, CU, 75°C	3/4"
	2	(3) # 8 THWN, CU, 75°C		
	3	(4) # 8 THWN, CU, 75°C		
60A	1	(2) # 6 THWN, CU, 75°C	(1) # 10 THWN, CU, 75°C	1"
	2	(3) # 6 THWN, CU, 75°C		
	3	(4) # 6 THWN, CU, 75°C		
70A	1	(2) # 4 THWN, CU, 75°C	(1) # 8 THWN, CU, 75°C	1-1/4"
	2	(3) # 4 THWN, CU, 75°C		
	3	(4) # 4 THWN, CU, 75°C		
80A	1	(2) # 4 THWN, CU, 75°C	(1) # 8 THWN, CU, 75°C	1-1/4"
	2	(3) # 4 THWN, CU, 75°C		
	3	(4) # 4 THWN, CU, 75°C		
90A	1	(2) # 3 THWN, CU, 75°C	(1) # 8 THWN, CU, 75°C	1-1/4"
	2	(3) # 3 THWN, CU, 75°C		
	3	(4) # 3 THWN, CU, 75°C		
100A	1	(2) # 3 THWN, CU, 75°C	(1) # 8 THWN, CU, 75°C	1-1/4"
	2	(3) # 3 THWN, CU, 75°C		
	3	(4) # 3 THWN, CU, 75°C		
110A	1	(2) # 2 THWN, CU, 75°C	(1) # 6 THWN, CU, 75°C	1-1/4"
	2	(3) # 2 THWN, CU, 75°C		
	3	(4) # 2 THWN, CU, 75°C		
125A	1	(2) # 1 THWN, CU, 75°C	(1) # 6 THWN, CU, 75°C	1-1/2"
	2	(3) # 1 THWN, CU, 75°C		
	3	(4) # 1 THWN, CU, 75°C		
150A	1	(2) # 1/0 THWN, CU, 75°C	(1) # 6 THWN, CU, 75°C	2"
	2	(3) # 1/0 THWN, CU, 75°C		
	3	(4) # 1/0 THWN, CU, 75°C		
175A	1	(2) # 2/0 THWN, CU, 75°C	(1) # 6 THWN, CU, 75°C	2"
	2	(3) # 2/0 THWN, CU, 75°C		
	3	(4) # 2/0 THWN, CU, 75°C		
200A	1	(2) # 3/0 THWN, CU, 75°C	(1) # 6 THWN, CU, 75°C	2"
	2	(3) # 3/0 THWN, CU, 75°C		
	3	(4) # 3/0 THWN, CU, 75°C		
225A	1	(2) # 4/0 THWN, CU, 75°C	(1) # 4 THWN, CU, 75°C	2-1/2"
	2	(3) # 4/0 THWN, CU, 75°C		
	3	(4) # 4/0 THWN, CU, 75°C		
250A	1	(2) # 250 THWN, CU, 75°C	(1) # 4 THWN, CU, 75°C	2-1/2"
	2	(3) # 250 THWN, CU, 75°C		
	3	(4) # 250 THWN, CU, 75°C		
300A	1	(2) # 350 THWN, CU, 75°C	(1) # 4 THWN, CU, 75°C	2-1/2"
	2	(3) # 350 THWN, CU, 75°C		
	3	(4) # 350 THWN, CU, 75°C		
350A	1	(2) # 500 THWN, CU, 75°C	(1) # 3 THWN, CU, 75°C	3"
	2	(3) # 500 THWN, CU, 75°C		
	3	(4) # 500 THWN, CU, 75°C		
400A	1	(2) # 600 THWN, CU, 75°C	(1) # 3 THWN, CU, 75°C	3-1/2"
	2	(3) # 600 THWN, CU, 75°C		
	3	(4) # 600 THWN, CU, 75°C		

- REFER TO RISER DIAGRAM SHEET E-501 FOR PANEL FEEDERS WIRE AND CONDUIT SIZES.
- REFER TO TABLE ABOVE FOR BRANCH CIRCUITS WIRE AND CONDUIT SIZES.
- THESE ARE THE MINIMUM SIZES REQUIRED FOR EACH CIRCUIT. CONTRACTOR IS REQUIRED TO MAKE ALL NECESSARY FIELD ADJUSTMENT TO COMPENSATE FOR VOLTAGE DROP .
- IN GENERAL, VOLTAGE DROP FOR ANY BRANCH CIRCUIT SHALL NOT EXCEED 3% VOLTAGE DROP FOR ANY FEEDER SHALL NOT EXCEED 2%.
- PROVIDE #10 WIRE AWG FOR ALL 120V WIRING RUNS LONGER THAN 100', AND #8 FOR 120V WIRING RUNS LONGER THAN 200'.

Panelboard: FS

Location: ELECTRICAL FS105.2
Supply: DEP1
Mounting: Surface
Enclosure: NEMA 1
Features & Modifications: -

Voltage: 208 V, 3 Ø, 4 W
Bus Rating: 800 A
Neutral: 100%
Mains Type: MCB
Mains Rating: 800 A
Mains FN/Note:
SCCR: 65 kA

Ckt	Description	Frame (A)	Trip (A)	Poles	FN/Note	Load
1	FSL	100	100	3		8510
2	FSP	400	400	3		76876
3	FSM	400	400	3		84117
4	FSIT VIA UPS	100	60	3		5180
5						
6						
7						
8						
9						
10						
11						
12	SPD	60	30	3		0

Load Summary

Load Classification	Connected	Factor	Demand	Panel Totals
Lighting - Interior	7260 VA	125.00%	9074 VA	**Connected Load:** 175 kVA
Power	118626 VA	100.00%	118626 VA	**Connected Current:** 485 A
Other	450 VA	100.00%	450 VA	**Demand Load:** 169 kVA
Receptacle - Dedicated	22347 VA	100.00%	22347 VA	**Demand Current:** 469 A
Receptacle - General	25200 VA	69.84%	17600 VA	

Notes:

Panelboard: FSIT

Location: IT ROOM FS132
Supply: FS
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 100 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 70 A
Mains FN/Note: -
SCCR: 22 kA

Ckt	Description	Trip (A)	Poles	FN/Note	A	B	C	FN/Note	Poles	Trip (A)	Description	Ckt
1	Receptacle - TV System# T_Cabinet	20	1		500 500				1	20	Receptacle - IT ROOM	2
3	Receptacle - Digital Alert T_Cabinet	20	1			500 500			1	20	Receptacle -IT ROOM	4
5	Receptacle - Door Power Supply	20	1				1500 500		1	20	Receptacle - IT ROOM	6
7	Receptacle -Fire Alarm Panel	20	1		500 500				1	20	Receptacle - IT ROOM	8
9	Receptacle - General	20	1			180 0			1	20	Spare	10
11	Spare	20	1				0 0		1	20	Spare	12
13	Spare	20	1		0 0				1	20	Spare	14
15	Spare	20	1			0 0			1	20	Spare	16
17	Spare	20	1				0 0		1	20	Spare	18
19					0 0				1	20	Spare	20
21	SPD	30	3			0 0			1	20	Spare	22
23							0 0		1	20	Spare	24
	Connected Load:				2 kVA	1 kVA	2 kVA					
	Connected Current:				18 A	10 A	18 A					

Load Classification	Connected	Factor	Demand	Panel Totals
Receptacle - General	180 VA	100.00%	180 VA	**Connected Load:** 5 kVA
Receptacle - Dedicated	5000 VA	100.00%	5000 VA	**Connected Current:** 14 A
				Demand Load: 5 kVA
				Demand Current: 14 A

Notes:

Panelboard: FSM

Location: ELECTRICAL FS105.2
Supply: FS
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 400 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 400 A
Mains FN/Note: -
SCCR: 42 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)	Phase B Load (VA)	Phase C Load (VA)	FN/Note	Poles	Trip (A)	Description	Ckt
1	Tile Recirculating Fan_ Dorms	20	1		135 1031				1	20	EF-1,1, SF-1.1	2
3	EF-1-2_ Motorized damper	20	1			200 5408			2	60	AHU-1-2 (MCA=52)	4
5	EF-1-9, EF-1-10	20	1				104 5408					6
7	EF-1-3, EF-1-4	20	1		890 3338				2	60	CU-1-2 (MCA=32)	8
9	EF-1-2	20	1			1176 3338						10
11	AHU-1-3 (MCA 43.0)	45	2				4472 5408		2	60	AHU-1-4 (MCA 52.0)	12
13					4472 5408							14
15	CU-1-4 (MCA=35)	60	2			3640 1392			1	20	CF-1-1, CF-1-2	16
17							3640 1768		2	25	CU-2--1 (MCA=17)	18
19	CU-1-3 (MCA=28)	45	2		2912 1768							20
21						2912 1248			2	20	EF-1-8	22
23	AHU-2-1 (MCA=27)	30	2				2808 1248					24
25					2808 444							26
27	CF-1-3, CF-1-4	20	1			1392 444			3	20	Kitchen Hood Fan _KFS-1	28
29							2100 444					30
31	CMEF-1_ Apparatus Bay	35	3		2100 2348				2	25	MSCU-3, AC-3	32
33						2100 2348						34
35	EF-1-8	20	1				1176 1144		2	20	MSCU-2B, AC-2B	36
37					0 1144							38
39	SPD	20	3			0 --			1	--	Space	40
41							0 --		1	--	Space	42
	Connected Load:				29 kVA	26 kVA	30 kVA					
	Connected Current:				244 A	213 A	252 A					

Load Classification	Connected	Factor	Demand	Panel Totals
Power	84117 VA	100.00%	84117 VA	**Connected Load:** 84 kVA
				Connected Current: 233 A
				Demand Load: 84 kVA
				Demand Current: 233 A

Notes:

Panelboard: FSL

Location: ELECTRICAL FS105.2
Supply: FS
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 100 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 100 A
Mains FN/Note: -
SCCR: 22 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)	Phase B Load (VA)	Phase C Load (VA)	FN/Note	Poles	Trip (A)	Description	Ckt
1	Lighting - Interior_Dorms RRs	20	1	A	1223 753				1	20	Lighting - Apparatus Bay	2
3	Lighting - Interior_Corridor	20	1	1		656 1056			1	20	Lighting - Apparatus Bay	4
5	Lighting - Interior_ Utility Rooms	20	1				1080 96	1	1	20	Lighting -Exterior Apparatus Bay	6
7	Lighting - Entry Corridor _Offices,...	20	1		1536							8
9	Lighting - Exercise Room	20	1			241 186			2	1	20	Lighting - Stair 3	10
11	Lighting -Apparatus Bay_ Night Lights	20	1				450 110		1	20	Lighting - Elevator Pit Lights	12
13	Lighting - Site	20	1	1	723 275				1	20	Lighting - Elevator Shaft	14
15	Lighting - Exterior	20	1			0 125			1	20	Lighting - Interior	16
17	Spare	20	1				0 --		1	--	Space	18
19	SPD	30	3		0 --				1	--	Space	20
21						0 --			1	--	Space	22
23							0 --		1	--	Space	24
	Connected Load:				5 kVA	2 kVA	2 kVA					
	Connected Current:				38 A	20 A	14 A					

Load Classification	Connected	Factor	Demand
Lighting - Interior	7260 VA	125.00%	9074 VA
Lighting - Exterior	800 VA	125.00%	1000 VA
Other	450 VA	100.00%	450 VA

Panel Totals	
Connected Load:	9 kVA
Connected Current:	24 A
Demand Load:	11 kVA
Demand Current:	29 A

Notes:
1- Circuit controlled by EMS, 2- Circuit controlled by EMS for programmed,adjustable "ON-OFF" time schedule.

Panelboard: FSP

Location: ELECTRICAL FS105.2
Supply: FS
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 225 A
Neutral: 100%
Feed-Thru Lugs: Yes
Features & Modifications: -

Mains Type: MCB
Mains Rating: 225 A
Mains FN/Note: -
SCCR: 42 kA

Ckt	Description	Trip (A)	Poles	FN/Note	A	B	C	FN/Note	Poles	Trip (A)	Description	Ckt
1	Receptacle - General_ Dorm 1, 2	20	1	A	1440 1440				A	1	20	Receptacle - General Dorm 3,4	2
3	Receptacle - General Bath 1-4	20	1	A		1080 1440			A	1	20	Receptacle - General Dorm 5,6	4
5	Receptacle - General Dorm 7,8	20	1	A			1440 1260			1	20	Receptacle - General Corridor	6
7	Receptacle - General OCI Dorm	20	1	A	1080 720					1	20	Receptacle - OIC Office 130	8
9	Receptacle - General Covered Patio	20	1			720 1080				1	20	Receptacle - Study Room 131	10
11							2496 1260			1	20	Receptacle - Elec, Mech, Jan Rooms	12
13	Receptacle - Dryer	30	2		2496 360					1	20	Receptacle - EMS, Bunk Rms.	14
15	Receptacle - Washing Machine	20	1			1500 180			G	1	20	Receptacle - Apparatus Bay Ceiling	16
17	Receptacle - Apparatus Bay Ceiling	20	1	G			180 180		G	1	20	Receptacle - Apparatus Bay Ceiling	18
19	Receptacle - Apparatus Bay Ceiling	20	1	G	180 180				G	1	20	Receptacle - Apparatus Bay Ceiling	20
21	Receptacle - Apparatus Bay Ceiling	20	1	G		180 180			G	1	20	Receptacle - Apparatus Bay Ceiling	22
23	Receptacle - Apparatus Bay Ceiling	20	1	G			180 180		G	1	20	Receptacle - Apparatus Bay Ceiling	24
25	Receptacle - Apparatus Bay Ceiling	20	1	G	180 180				G	1	20	Receptacle - Apparatus Bay Ceiling	26
27	Receptacle - Apparatus Bay Ceiling	20	1	G		180 180			G	1	20	Receptacle -Apparatus Bay Ceiling	28
29	Receptacle - Apparatus Bay Ceiling	20	1	G			180 180		G	1	20	Receptacle - Apparatus Bay Ceiling	30
31	Receptacle - Apparatus Bay Ceiling	20	1	G	180 1080					1	20	Receptacle -Apparatus Bay Exterior	32
33	Receptacle - Apparatus Bay	20	1			1260 900				1	20	Receptacle - General	34
35	Receptacle - Ice Maker	20	2				2496 1620			1	20	Receptacle - LI Office 102	36
37					2496 720					1	20	Receptacle - EWC	38
39	Kitchen Hood Ctrl Panel	20	1			1500 648			G	1	20	Receptacle -Refrigerator	40
41	Receptacle - Day Rm 103.1	20	1				720 360		G	1	20	Receptacle - Refrigerator	42
43	Receptacle - Dinning Rm 103.2	20	1		1040 761				G	1	20	Receptacle -Refrigerator	44
45	Receptacle - COUNTER	20	1	G		720 444							46
47	RWP-1 Cust. 129	20	1				69 444		3	20	Electric Door Apparatus Bay	48
49	Receptacle - Elevator -3	20	1		180 444								50
51	Electric Door Apparatus Bay	20	3			444 444							52
53							444 444		3	20	Electric Door Apparatus Bay	54
55					444 444								56
57	Electric Door Apparatus Bay	20	3			444 5000							58
59							444 5000		3	60	EWH_ Custodial Rm. 129	60
61					444 5000								62
63	Diswasher Rm. 103.2	35	2			2808 364							64
65							2808 364		2	20	Receptacle - Elev Sump Pump and Comtol Panel	66
67	Receptacle - Gas Range Rm. 103.2	20	1		240 720				1	20	Receptacle - Exercise Rm 200	68
69	Ice Cube Machine	20	2			863 540			1	20	Receptacle - Exercise Rm 200	70
71							863 720		1	20	Receptacle - Parking Level 2	72
73	Diswasher Rm. 103.2	35	2		2808 1200				1	20	Future Exterior Sign	74
75						2808 --			1	--	Space	76
77	Receptacle - CO-NO2 Cntrl Pnl	20	1				180 --		1	--	Space	78
79	SPD	30	3		0 --				1	--	Space	80
81						0 --			1	--	Space	82
83							0 --		1	--	Space	84
	Connected Load:				26 kVA	26 kVA	25 kVA					
	Connected Current:				222 A	218 A	204 A	(Includes load connected via feed-thru lugs.)				

Load Classification	Connected	Factor	Demand
Power	34509 VA	100.00%	34509 VA
Receptacle - Dedicated	17347 VA	100.00%	17347 VA
Receptacle - General	25020 VA	69.98%	17510 VA

Panel Totals	
Connected Load:	77 kVA
Connected Current:	213 A
Demand Load:	69 kVA
Demand Current:	193 A

Notes:

Breaker Function Schedule

#	For any number, see panel schedule footer note
A	Arc-Fault Interrupter (AFCI) Protection
AR	Arc Energy Reduction Maintenance Switch
D	Demolished Circuit (now Spare or Space) {former circuit in brackets}
E	Existing-to-remain circuit
EM	Provide identification per NEC 700.12(I)(2)(4)
G	Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GE	Ground-Fault Protection for Equipment (30 mA)
GF	Adjustable Ground-Fault Protection for Equipment
H	Breaker hasp to prevent unintentional opening
L	Lockable open according to NEC 110.25
LSI	Long-Time, Short-Time, Instantaneous Adjustment
LSIG	Long-Time, Short-Time, Instantaneous and Ground-Fault Adjustments
N	New Circuit (in existing panel, previously spare or space)
NB	New breaker to repace existing breaker or space (new trip rating shown)
NR	New circuit to replace existing circuit {former circuit in brackets}
R	Relocated circuit
S	Switch-rated per NEC 240.83(D)

PANELBOARD KEY

FS	FSL
FSIT	FSP
FSM	

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ERNESTO ALOMA, P.E.
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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

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Project Number
WJ 2312

DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE
1	Bldg. Comments	11/08/2024
6	Revision 6	10/27/2025

PANEL SCHEDULES FIRE STATION

E-701

Panelboard: PS

Location: ELECTRICAL...
Supply: DEP1
Mounting: Surface
Enclosure: NEMA 1
Features & Modifications: -

Voltage: 208 V, 3 Ø, 4 W
Bus Rating: 800 A
Neutral: 100%
Mains Type: MCB
Mains Rating: 600 A
Mains FN/Note: -
SCCR: 65 kA

Ckt	Description	Frame (A)	Trip (A)	Poles	FN/Note	Load
1	PSL	225	100	3		5881
2	PSP	225	225	3		73114
3	PSM	225	225	3		57836
4	PS2	225	200	3		87946
5	RTU-5-1	225	200	3		58680
6	Space	--	--	1		--
7	Space	--	--	1		--
8	Space	--	--	1		--
9	Space	--	--	1		--
10	Space	--	--	1		--
11	Space	--	--	1		--
12	SPD	100	60	3		0

Load Summary

Load Classification	Connected	Factor	Demand	Panel Totals	
Lighting - Interior	5881 VA	125.00%	7352 VA	**Connected Load:**	283 kVA
Power	125246 VA	100.00%	125246 VA	**Connected Current:**	787 A
Other	0 VA	0.00%	0 VA	**Demand Load:**	275 kVA
Receptacle - Dedicated	36990 VA	100.00%	36990 VA	**Demand Current:**	764 A
Receptacle - General	29340 VA	67.04%	19670 VA		
Spare	86000 VA	100.00%	86000 VA		

Notes:

Panelboard: PSL

Location: ELECTRICAL...
Supply: PS
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 100 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 100 A
Mains FN/Note: -
SCCR: 42 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)		Phase B Load (VA)		Phase C Load (VA)		FN/Note	Poles	Trip (A)	Description	Ckt
1	Lighting - Offices	20	1		1320	488						1	20	Lighting - Locker Rms	2
3	Lighting - Offices	20	1				1311	1350				1	20	Lighting - Corridors	4
5	Lighting - Offices, Conference Rm	20	1						1412	--		1	--	Space	6
7	Space	--	1		--	--						1	--	Space	8
9	Space	--	1				--	--				1	--	Space	10
11	Space	--	1						--	--		1	--	Space	12
13	Space	--	1		--	--						1	--	Space	14
15	Space	--	1				--	--				1	--	Space	16
17	Space	--	1						--	--		1	--	Space	18
19	Space	--	1		--	--						1	--	Space	20
21	Space	--	1				--	--				1	--	Space	22
23	Space	--	1						--	--		1	--	Space	24
25	Space	--	1		--	--						1	--	Space	26
27	Space	--	1				--	--				1	--	Space	28
29	Space	--	1						--	--		1	--	Space	30
31	Space	--	1		--	--						1	--	Space	32
33	Space	--	1				--	--				1	--	Space	34
35	Space	--	1						--	--		1	--	Space	36
37												1	--	Space	38
39	SPD	30	3		0	--						1	--	Space	40
41							0	--				1	--	Space	42
					Connected Load:	2 kVA		3 kVA		1 kVA					
					Connected Current:	16 A		23 A		12 A					

Load Classification	Connected	Factor	Demand
Lighting - Interior	5881 VA	125.00%	7352 VA

Panel Totals	
Connected Load:	6 kVA
Connected Current:	16 A
Demand Load:	7 kVA
Demand Current:	20 A

Notes:
1-Circuit controlled by BMS

Panelboard: PSP

Location: ELECTRICAL...
Supply: PS
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 225 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 225 A
Mains FN/Note: -
SCCR: 42 kA

Ckt	Description	Trip (A)	Poles	FN/Note	A		B		C		FN/Note	Poles	Trip (A)	Description	Ckt
1	Receptacle - Patrol Traff. 617	20	1		720							1	20	Receptacle - Police Commander 521	2
3	Receptacle - Dedicated	20	1				720	1080				1	20	Receptacle - Dedicated	4
5	Receptacle - Accreditation Officer 619	20	1						900	900		1	20	Receptacle - Chief Of Police 622	6
7	Receptacle - Deputy Chief 623	20	1		720	360						1	20	Receptacle -Sqaud Room 625	8
9	Receptacle - Sargent Office 524	20	1				1080	1080				1	20	Receptacle - Lieutenat 627	10
11	Receptacle --Sqaud Room 625	20	1						540	900		1	20	Receptacle - Lieutenat 526	12
13	Receptacle - Printer -Sqaud Room 625	20	1		500	500						1	20	Receptacle - Printer	14
15	Receptacle -Patrol / Comm. Af. 631	20	1				540	900				1	20	Receptacle_ Criminal Inv. 633	16
17	Receptacle -Criminal Inv. Units 633	20	1						1080	900		1	20	Receptacle - Supervisor 638	18
19	Receptacle -Criminal Inv. Units 633	20	1		1220	720						1	20	Receptacle - Communications 537	20
21	Receptacle -Interview Room #2 634	20	1				900	1080				1	20	Receptacle -Communications 537	22
23	Receptacle - Break Rm 520	20	1						1040	900		1	20	Receptacle - Office Quaters 540	24
25	Receptacle - Refrigerator Break Rm...	20	1		720	1500						1	20	Receptacle - Washing Machine 540	26
27								750				1	20	Receptacle - EWC	28
29	Receptacle - Coffe Machine 520	20	1						1000	750		1	20	Receptacle - EWC	30
31	Receptacle - Evidence 505, 506	20	1		900	900						1	20	Receptacle - Quarter Master 514	32
33	Receptacle - Armory 508	20	1				540	1124				1	20	Receptacle - Janitor 513, RR 512	34
35	Receptacle - Corridor	20	1						1800	720		1	20	Receptacle - Conference Room 515	36
37	Receptacle - Internal Affairs 509	20	1		1260	900						1	20	Receptacle - TVs 637	38
39	Receptacle -Copy Machine 516	20	1				500	2496				2	30	Receptacle - Dryer 540	40
41	Receptacle - TV 515	20	1						900	2496					42
43	Receptacle - Radio Racks	20	1		1000	1200						1	20	Receptacle - Microwave 536	44
45	Receptacle - Warming Drawer 520	20	1				1000	1200				1	20	Receptacle - Microwave 536	46
47	Receptacle - Dishwasher 520	20	1						1000	750		1	20	Receptacle - Refrigerator 502L	48
49	Receptacle - Coffe Machine 520	20	1		1000	624						2	20	Receptacle -Elevator Sum Pump and control Panel	50
51	Receptacle - Coffe Machine 520	20	1				1000	624							52
53	Receptacle - Refrigertor 522	20	1						720	180		1	20	Receptacle - Elevator Pit	54
55	Receptacle -Copy Machine 537	20	1		500	1000					L	1	20	Hand dryer	56
57	Receptacle - General	20	1				540	1000			L	1	20	Hand dryer	58
59	Receptacle - Sally POrt	20	1						720	1000	L	1	20	Hand dryer	60
61	Receptacle -Refrigerator 505	20	1		720	1000					L	1	20	Hand dryer	62
63	Receptacle - General	20	1				720	1000			L	1	20	Hand dryer	64
65	Hand dryer	20	1	L					1000	1920		1	20	Receptacle - Server Room PD541	66
67	Hand dryer	20	1	L	1000	1920						1	20	Receptacle - Server Room PD541	68
69	Hand dryer	20	1	L			1000	2880				1	30	Receptacle - Server Room PD541	70
71	Receptacle - Battery Back Up	20	1						500	2880		1	30	Receptacle - Server Room PD541	72
73	Receptacle - Printer -Sqaud Room 625	20	1		500	360						1	20	Receptacle - General	74
75	Receptacle -Sqaud Room 625	20	1				360	360				1	20	Receptacle - General	76
77	Receptacle - BDA Panel	20	1						500	180		1	20	Receptacle -Fire Supresion Cntrl Panel	78
79	Space	--	1		--	180						1	20	Receptacle - Dedicated	80
81	Space	--	1				--	180				1	20	Receptacle - Fire Supresion Cntrl Panel	82
83	Space	--	1						--	360		1	20	Receptacle - Communications 537	84
85	Space	--	1		--	0						1	20	Spare	86
87	Space	--	1				--	0				1	20	Spare	88
89	Space	--	1						--	0		1	20	Spare	90
91	Space	--	1		--	0						1	20	Spare	92
93	Space	--	1				--	0				1	20	Spare	94
95	Space	--	1						--	0		1	20	Spare	96
97	Space	--	1		--	0						1	20	Spare	98
99	Space	--	1				--	0				1	20	Spare	100
101	Space	--	1						--	0		1	20	Spare	102
103	Space	--	1		--	0						1	20	Spare	104
105	Space	--	1				--	0				1	20	Spare	106
107	Space	--	1						--	0		1	20	Spare	108
109	Space	--	1		--	0						1	20	Spare	110
111	Space	--	1				--	0				1	20	Spare	112
113	Space	--	1						--	0		1	20	Spare	114
115	Space	--	1		--	0						1	20	Spare	116
117	Space	--	1				--	0				1	20	Spare	118
119	Space	--	1						--	0		1	20	Spare	120
121					0	0						1	20	Spare	122
123	SPD	30	3				0	0				1	20	Spare	124
125									0	0		1	20	Spare	126
					Connected Load:	22 kVA		25 kVA		27 kVA					
					Connected Current:	183 A		209 A		225 A					

Load Classification	Connected	Factor	Demand
Power	8044 VA	100.00%	8044 VA
Receptacle - Dedicated	36990 VA	100.00%	36990 VA
Receptacle - General	28080 VA	67.81%	19040 VA

Panel Totals	
Connected Load:	73 kVA
Connected Current:	203 A
Demand Load:	64 kVA
Demand Current:	178 A

Notes:

Panelboard: PSM

Location: ELECTRICAL...
Supply: PS
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 225 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 225 A
Mains FN/Note: -
SCCR: 42 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)		Phase B Load (VA)		Phase C Load (VA)		FN/Note	Poles	Trip (A)	Description	Ckt
1	VAV-5-3	20	2		1000	1000						2	20	VAV-5-1	2
3							1000	1000							4
5	VAV-5-4	20	2						1000	1667		3	20	VAV -5-2	6
7					1000	1667									8
9	VAV-5-5	25	2				2000	1667							10
11									2000	1667					12
13	VAV-5-7, 5-9, 5-16	20	2		1500	1667						3	25	VAV-5-6	14
15							1500	1667							16
17	VAV-5-10	25	2						2000	1000		2	20	VAV-5-8	18
19					2000	1000									20
21	VAV-5-11	25	2				2000	700				2	20	VAV-5-12, 5-13, 5--14, 5-15	22
23									2000	700					24
25	EWH Janitor 513	60	3		5000	1260						1	20	Fire Smoke Dampers	26
27							5000	200				1	20	Motorized Dampers	28
29									5000	312		3	20	KEF-1	30
31	EF-6-1, EF-6-5, EF 6-6, EF-6-2	20	1		853	312									32
33	Receptacle - General	20	1				360	312							34
35	EF-4-3	20	1						235	1546		2	20	DS-CU-5	36
37					0	1546								---	38
39	SPD	30	3				0	750			G	2	20	Drone docking platform	40
41									0	750					42
					Connected Load:	20 kVA		18 kVA		20 kVA					
					Connected Current:	167 A		151 A		168 A					

Load Classification	Connected	Factor	Demand
Power	57476 VA	100.00%	57476 VA
Receptacle - General	360 VA	100.00%	360 VA

Panel Totals	
Connected Load:	58 kVA
Connected Current:	161 A
Demand Load:	58 kVA
Demand Current:	161 A

Notes:

Breaker Function Schedule

#	For any number, see panel schedule footer note
A	Arc-Fault Interrupter (AFCI) Protection
AR	Arc Energy Reduction Maintenance Switch
D	Demolished Circuit (now Spare or Space) (former circuit in brackets)
E	Existing-to-remain circuit
EM	Provide identification per NEC 700.12(I)(2)(4)
G	Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GE	Ground-Fault Protection for Equipment (30 mA)
GF	Adjustable Ground-Fault Protection for Equipment
H	Breaker hasp to prevent unintentional opening
L	Lockable open according to NEC 110.25
LSI	Long-Time, Short-Time, Instantaneous Adjustment
LSIG	Long-Time, Short-Time, Instantaneous and Ground-Fault Adjustments
N	New Circuit (in existing panel, previously spare or space)
NB	New breaker to repace existing breaker or space (new trip rating shown)
NR	New circuit to replace existing circuit (former circuit in brackets)
R	Relocated circuit
S	Switch-rated per NEC 240.83(D)

PANELBOARD KEY

PS	PSL
PSP	PSM

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE

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10/27/2025 12:22:03 PM

Project Number
WJ 2312

DISTRIBUTION

08/01/2024

REV	DESCRIPTION	DATE
4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

PANEL SCHEDULES
POLICE STATION

E-702

Panelboard: VH

Location: ELECTRICAL... | **Supply:** DEP2 | **Mounting:** Surface | **Enclosure:** NEMA 1 | **Features & Modifications:** -

Voltage: 208 V, 3 Ø, 4 W | **Bus Rating:** 1600 A | **Neutral:** 100% | **Mains Type:** MCB | **Mains Rating:** 1600 A | **Mains FN/Note:** - | **SCCR:** 65 kA

Ckt	Description	Frame (A)	Trip (A)	Poles	FN/Note	Load
1	Panel VHL	225	100	3		36490
2	Panel VHP	400	400	3		94416
3	Panel VHM	600	600	3		162767
4	Panel SR	100	60	3		15840
5	RTU-6-1	225	150	3		39600
6	RTU-6-2	225	150	3		39600
7	RTU-6-3	225	150	3		39600
8	RTU-5-2	225	200	3		58680
9	VH2	600	600	3		89161
10	Space	--	--	1		--
11	Space	--	--	1		--
12	SPD	100	60	1		0

Load Summary

Load Classification	Connected	Factor	Demand
Lighting - Interior	25141 VA	125.00%	31426 VA
Power	330662 VA	100.00%	330662 VA
Other	44640 VA	100.00%	44640 VA
Receptacle - Dedicated	30520 VA	100.00%	30520 VA
Receptacle - General	45832 VA	60.91%	27916 VA
Spare	84400 VA	100.00%	84400 VA

Panel Totals	
Connected Load:	576 kVA
Connected Current:	1599 A
Demand Load:	568 kVA
Demand Current:	1576 A

Notes:

Panelboard: VHM

Location: ELECTRICAL ROOM 503 | **Supply:** VH | **Mounting:** Surface | **Enclosure:** NEMA 1 | **Features & Modifications:** -

Voltage: 208 V, 3Ø, 4W | **Bus Rating:** 600 A | **Neutral:** 100% | **Feed-Thru Lugs:** Yes | **Mains Type:** MCB | **Mains Rating:** 600 A | **Mains FN/Note:** - | **SCCR:** 42 kA

Ckt	Description	Trip (A)	Poles	FN/Note	A	B	C	FN/Note	Poles	Trip (A)	Description	Ckt
1	VHM2	100	3		11659 1050				2	20	VAV-5-18, 5-19, 5-20	2
3						10607 1050						4
5							11079 1667					6
7	VAV-5-17	20	3		1667 1667				3	20	VAV-5-21	8
9						1667 1667						10
11							1667 1000		2	20	VAV-5-23	12
13					2000 1000							14
15	VAV-5-22	25	3			2000 1667			3	20	VAV-5-26	16
17							2000 1667					18
19	VAV-5-24, 5-25	20	2		1000 1667							20
21						1000 1050			2	20	VAV-5-28, 5-30, 5-31	22
23	VAV-5-27	25	2				2000 1050					24
25					2000 1667							26
27	VAV-5-32	20	2			1500 1667			3	20	VAV-5-29	28
29							1500 1667					30
31	VAV-5-33, 5-35	20	2		550 1667							32
33						550 1667			3	20	VAV5--34	34
35							2000 1667					36
37	VAV-5-37	25	3		2000 2667							38
39						2000 2667			3	30	VAV-5-36	40
41	Motorized Dampers	20	1				400 2667					42
43	EF-5-3	20	1		180 900				1	20	Fire Smoke Dampers	44
45	Receptacle - Roof	20	1			900 6600						46
47	EF-4-1	20	1				225 6600		3	90	CU-1-1 (MCA = 55)	48
49	CMEF-2-1	20	1		1176 6600							50
51	MSCU4, AC-4	20	2			1144 150			1	20	Motorized Dampers	52
53							1144 400		1	20	Motorized Dampers	54
55	CMEF-2-5	20	1		1656 500				2	20	VAV-6-39	56
57	CO & NO2 Control Panels 1st and 2n...	20	1			360 500						58
59	CEMF - 2-2	20	1				1656 696		1	20	Air Circulator Fan CF-2-1	60
61	CEMF-3-1	20	1		1176 1656				1	20	CMEF-2-8, 2-9	62
63	CEMF-3-5	20	1			1656 1176			1	20	CEMF-2-7	64
65	CEMF-2-3	20	1				1656 1656		1	20	CEMF-3-2	66
67	CEMF-2-4	20	1		1176 1656				1	20	CEMF-3-8	68
69	CEMF-2-6	20	1			1656 1656			1	20	CEMF-3-9	70
71	CEMF-2-9	20	1				696 1176		1	20	CEMF-3-7	72
73	CEMF-3-3	20	1		1656 696				1	20	CF3-1	74
75	CEMF-3-4	20	1			1176 1176			1	20	CEMF-4-1	76
77	CEMF-3-6	20	1				1656 1656		1	20	CEMF-4-2	78
79	CEMF-4-6	20	1		1656 1656				1	20	CEMF-4-3	80
81	CEMF -4-7	20	1			1176 1176			1	20	CEMF-4-4	82
83	CEMF-4-8	20	1				1656 1656		1	20	CEMF-4-5	84
85	CEMF-4-9	20	1		1656 --				1	--	Space	86
87	CF-4-1	20	1			696 --			1	--	Space	88
89	Space	--	1				-- --		1	--	Space	90
91	Space	--	1		-- --				1	--	Space	92
93	Space	--	1			-- --			1	--	Space	94
95	Space	--	1				-- --		1	--	Space	96
97	Space	--	1		-- --				1	--	Space	98
99	Space	--	1			-- --			1	--	Space	100
101	Space	--	1				-- --		1	--	Space	102
103	Space	--	1		-- --				1	--	Space	104
105	Space	--	1			-- --			1	--	Space	106
107	Space	--	1				-- --		1	--	Space	108
109	Space	--	1		-- --				1	--	Space	110
111	Space	--	1			-- --			1	--	Space	112
113	Space	--	1				-- --		1	--	Space	114
115	Space	--	1		-- --				1	--	Space	116
117	Space	--	1			-- --			1	--	Space	118
119	Space	--	1				-- --		1	--	Space	120
121	SPD	30	3		0 --				1	--	Space	122
123						0 --			1	--	Space	124
125							0 --		1	--	Space	126
	Connected Load:				56 kVA	52 kVA	55 kVA					
	Connected Current:				472 A	433 A	458 A					

(Includes load connected via feed-thru lugs.)

Load Classification	Connected	Factor	Demand
Other	360 VA	100.00%	360 VA
Power	161147 VA	100.00%	161147 VA
Receptacle - Dedicated	180 VA	100.00%	180 VA
Receptacle - General	1080 VA	100.00%	1080 VA

Panel Totals	
Connected Load:	163 kVA
Connected Current:	452 A
Demand Load:	163 kVA
Demand Current:	452 A

Notes:

Panelboard: VHL

Location: ELECTRICAL ROOM 503 | **Supply:** VH | **Mounting:** Surface | **Enclosure:** NEMA 1 | **Features & Modifications:** -

Voltage: 208 V, 3Ø, 4W | **Bus Rating:** 100 A | **Neutral:** 100% | **Feed-Thru Lugs:** No | **Mains Type:** MCB | **Mains Rating:** 100 A | **Mains FN/Note:** - | **SCCR:** 42 kA

Ckt	Description	Trip (A)	Poles	FN/Note	A	B	C	FN/Note	Poles	Trip (A)	Description	Ckt
1					3743 1103				1	20	Lighting - Offices	2
3	VHL2	60	3			3000 1115			1	20	Lighting - Offices	4
5							1464 560	2	1	20	Lighting - Chamber Seating	6
7	Lighting - Offices, Break Room	20	1		1551 362			2	1	20	Lighting - Chamber Seating	8
9	Lighting - RRs, AV Rm , Elec Rm	20	1			550 95		2	1	20	Lighting - Chamber Seating	10
11	Lighting - Corridors	20	1	1			1286 1495	1	1	20	Lighting - Level 2 Parking	12
13	Lighting - Lobby	20	1	1	797 1789			1	1	20	Lighting - Level 3 Parking	14
15	Lighting - Interior	20	1			473 1229			1	20	Lighting - Level 4 Parking	16
17	Lighting - Stair 2	20	1	2			558 725		1	20	Lighting - Level 4 Parking	18
19	Lighting - Elevator 1 Shaft Lights	20	1		440 440				1	20	Lighting - Roof , Mech Enclosure	20
21	Lighting -Generacr Rm.Storage Rm	20	1			275 500			1	20	Future Facade Lighting	22
23	Future Facade Lighting	20	1				500 500		1	20	Lighting - Exterior	24
25	Future Facade Lighting	20	1		500 500				1	20	Future Facade Lighting	26
27	Future Facade Lighting	20	1			500 500			1	20	Future Facade Lighting	28
29	Future Facade Lighting	20	1				500 500		1	20	Future Facade Lighting	30
31	Future Facade Lighting	20	1		500 500				1	20	Future Facade Lighting	32
33	Future Facade Lighting	20	1			500 500			1	20	Future Facade Lighting	34
35	Future Facade Lighting	20	1				500 500		1	20	Future Facade Lighting	36
37	Future Facade Lighting	20	1		500 360				1	20	Future Facade Lighting	38
39	Future Facade Lighting	20	1			500 500			1	20	Future Facade Lighting	40
41	Future Facade Lighting	20	1				1000 500		1	20	Future Facade Lighting	42
43	Future Facade Lighting	20	1		360 360				1	20	Future Facade Lighting	44
45	Future Facade Lighting	20	1			500 500			1	20	Future Facade Lighting	46
47	Future Facade Lighting	20	1				500 360		1	20	Future Facade Lighting	48
49					0							50
51	SPD	30	3			0						52
53							0					54
	Connected Load:				14 kVA	11 kVA	11 kVA					
	Connected Current:				115 A	94 A	96 A					

Load Classification	Connected	Factor	Demand
Lighting - Interior	21506 VA	125.00%	26883 VA
Lighting - Exterior	12379 VA	125.00%	15474 VA
Power	25 VA	100.00%	25 VA

Panel Totals	
Connected Load:	36 kVA
Connected Current:	101 A
Demand Load:	45 kVA
Demand Current:	125 A

Notes:
1- Circuit controlled by EMS, 2- Circuit Controlled by Lighting Control Panel

Panelboard: VHP

Location: ELECTRICAL ROOM 503 | **Supply:** VH | **Mounting:** Surface | **Enclosure:** NEMA 1 | **Features & Modifications:** -

Voltage: 208 V, 3Ø, 4W | **Bus Rating:** 400 A | **Neutral:** 100% | **Feed-Thru Lugs:** No | **Mains Type:** MCB | **Mains Rating:** 400 A | **Mains FN/Note:** - | **SCCR:** 42 kA

Ckt	Description	Trip (A)	Poles	FN/Note	A	B	C	FN/Note	Poles	Trip (A)	Description	Ckt
1					14366 900				1	20	Receptacle - Mayor's Office 641	2
3	VHP2	150	3			10586 720			1	20	Receptacle - Vice Mayor's Office 540	4
5							10420 1440		1	20	Receptacle -Commission Office 639, 638	6
7	Power	20	1		1656 900				1	20	Receptacle - Chief of Staf Off. 530	8
9	Receptacle - Village Manager Off. 534	20	1			900 720			1	20	Receptacle - HR Director 529	10
11	Receptacle - - A/V Room 502	20	1				500 1080		1	20	Receptacle -Direct Comm 532	12
13	Receptacle - Deputy Manager	20	1		900 360				1	20	Receptacle -Lactation R. 536	14
15	Receptacle - Conference Room 537	20	1			900 900			1	20	Receptacle - Commisioning 546	16
17	Receptacle -Copy Machine	20	1				680 720		1	20	Receptacle - Clerck A. 549	18
19	Receptacle - Commisioning A. 547	20	1		900 1800				1	20	Receptacle - Corridor	20
21	Receptacle - EWC	20	1			750 720			1	20	Receptacle - CIP Manager 519	22
23	Receptacle - RRs	20	1				540 900		1	20	Receptacle - Village Clerck 516	24
25	Receptacle - CFO Office 517	20	1		900 1080				1	20	Receptacle - Public Works Directors 511	26
27	Receptacle -CIP Manager 513	20	1			720 900			1	20	Receptacle - CE Director 509	28
29	Receptacle - CE Shared Office 508	20	1				720 1000		1	20	Receptacle -Copy Machine	30
31	Receptacle - CE Shared Office 508	20	1		900 720				1	20	Receptacle - Finance Shared Office 518	32
33	Receptacle - Future Office 545	20	1			720 720			1	20	Receptacle - Finance Shared Office 518	34
35	Receptacle - Controller 519	20	1				720 900		1	20	Receptacle - State Rep Off. 548	36
37	Receptacle - PE Shared Office 550	20	1		1080 500				1	20	Receptacle -Copy Machine	38
39	Receptacle - A/V Room 502	20	1			500 1500			1	20	Receptacle - Microwave 542	40
41	Receptacle - A/V Room 502	20	1				500 750		1	20	Receptacle - Refrigerator 542	42
43	Receptacle - Coffe Machine 542	20	1		1200 720				1	20	Receptacle - Chamber Seating 501.2	44
45	Receptacle - - A/V Room 502	20	1			500 720			1	20	Receptacle - DAIS 501.2	46
47	Receptacle - It Tect 527	20	1				900 1080		1	20	Receptacle -DAIS 501.2	48
49	Receptacle - Finance Shared Office...	20	1		860 540				1	20	Receptacle - Chamber Seating 501.2	50
51	Receptacle - inance Shared Office 518	20	1			900 540			1	20	Receptacle - DAIS 501.2	52
53	Receptacle - PW Admin Ass 515	20	1				900 1000	L	1	20	Hand Dryer	54
55					1320 1000			L	1	20	Hand Dryer	56
57	DWP-1	20	3			1320 1000		L	1	20	Hand Dryer	58
59							1320 180		1	20	Receptacle - Electrical Rm	60
61	Motorized Gate	20	2		832 500				1	20	Receptacle - Fire Alarm Panel	62
63						832 --			1	--	Space	64
65	Motorized Gate	20	2				832 --		1	--	Space	66
67					832 --				1	--	Space	68
69	Receptacle -Irrigation Controller	20	1			500 --			1	--	Space	70
71	Future Exterior Sign	20	1				1500 --		1	--	Space	72
73	Future Exterior Sign	20	1		1500 --				1	--	Space	74
75	Future Exterior Sign	20	1			1500 --			1	--	Space	76
77	Receptacle - General	20	1				500 --		1	--	Space	78
79									1	--	Space	80
81	SPD	20	3		0 --				1	--	Space	82
83						0 --			1	--	Space	84
	Connected Load:				36 kVA	29 kVA	29 kVA					
	Connected Current:				302 A	242 A	242 A					

Load Classification	Connected	Factor	Demand
Other	4680 VA	100.00%	4680 VA
Power	30664 VA	100.00%	30664 VA
Receptacle - Dedicated	15940 VA	100.00%	15940 VA
Receptacle - General	43132 VA	61.59%	26566 VA

Panel Totals	
Connected Load:	94 kVA
Connected Current:	262 A
Demand Load:	78 kVA
Demand Current:	216 A

Notes:

Breaker Function Schedule

#	For any number, see panel schedule footer note
A	Arc-Fault Interrupter (AFCI) Protection
AR	Arc Energy Reduction Maintenance Switch
D	Demolished Circuit (now Spare or Space) (former circuit in brackets)
E	Existing-to-remain circuit
EM	Provide identification per NEC 700.12(I)(2)(4)
G	Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GE	Ground-Fault Protection for Equipment (30 mA)
GF	Adjustable Ground-Fault Protection for Equipment
H	Breaker hasp to prevent unintentional opening
L	Lockable open according to NEC 110.25
LSI	Long-Time, Short-Time, Instantaneous Adjustment
LSIG	Long-Time, Short-Time, Instantaneous and Ground-Fault Adjustments
N	New Circuit (in existing panel, previously spare or space)
NB	New breaker to repace existing breaker or space (new trip rating shown)
NR	New circuit to replace existing circuit (former circuit in brackets)
R	Relocated circuit
S	Switch-rated per NEC 240.83(D)

Panelboard: VHL1

Location: | **Supply:** VHL | **Mounting:** Flush | **Enclosure:** NEMA 1 | **Features & Modifications:** -

Voltage: 208 V, 3Ø, 4W | **Bus Rating:** 100 A | **Neutral:** 100% | **Feed-Thru Lugs:** No | **Mains Type:** MLO | **Mains Rating:** 60 A | **Mains FN/Note:** - | **SCCR:** 22 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)	Phase B Load (VA)	Phase C Load (VA)	FN/Note	Poles	Trip (A)	Description	Ckt
1	Lighting - Offices & Utility Rooms	20	1		818 1350				1	20	Lighting - Lobby	2
3	Lighting - Entry Lobby	20	1	1		652 1500			1	20	Lighting - Lobby	4
5	Lighting - Elevator Pit Lights	20	1				110 1050		1	20	Lighting - Lobby	6
7	Lighting - Stair 1	20	1	1	558 297			1	1	20	Lighting - Flag Pole Lights	8
9	Lighting - Exterior Columns	20	1	1		128 220			1	20	Lighting - Elec, Trash Rms	10
11	Lighting - Exterior North Facade	20	1	1			108 196	1	1	20	Lighting - Exterior Bollards	12
13	Lighting -Ramp	20	1		720 --				1	--	Space	14
15	Lighting - Exterior	20	1	1		500 --			1	--	Space	16
17	Spare	20	1				0 --		1	--	Space	18
19	Spare	20	1		0 --				1	--	Space	20
21	Spare	20	1			0 --			1	--	Space	22
23	Spare	20	1				0 --		1	--	Space	24
25					0 --				1	--	Space	26
27	SPD	30	3			0 --			1	--	Space	28
29							0 --		1	--	Space	30
	Connected Load:				4 kVA	3 kVA	1 kVA					
	Connected Current:				33 A	27 A	12 A					

Load Classification	Connected	Factor	Demand
Lighting - Interior	7103 VA	125.00%	8879 VA
Lighting - Exterior	1079 VA	125.00%	1349 VA
Power	25 VA	100.00%	25 VA

Panel Totals	
Connected Load:	8 kVA
Connected Current:	23 A
Demand Load:	10 kVA
Demand Current:	28 A

Notes:
1- 1- Circuit controlled by BMS

Panelboard: VHP1

Location: FRONT COUNTER 105 | **Supply:** VHP | **Mounting:** Flush | **Enclosure:** NEMA 1 | **Features & Modifications:** -

Voltage: 208 V, 3Ø, 4W | **Bus Rating:** 225 A | **Neutral:** 100% | **Feed-Thru Lugs:** No | **Mains Type:** MCB | **Mains Rating:** 150 A | **Mains FN/Note:** - | **SCCR:** 22 kA

Ckt	Description	Trip (A)	Poles	FN/Note	A	B	C	FN/Note	Poles	Trip (A)	Description	Ckt
1	Receptacle - Building Reviewer 108	20	1		360 900				1	20	Receptacle - Building Reviewer 109	2
3	Coffe Meaker_ Kichenette	20	1			1200 750			1	20	Refrigerator_ Kitchenette	4
5	Receptacle - General_ Kichenette	20	1				360 1080		1	20	Receptacle -Front Counter 105	6
7	Receptacle - General Bldg & Zonning	20	1		900 750				1	20	Receptacle - EWC	8
9	Receptacle - Manager's Office	20	1			900 540			1	20	Receptacle - Restroom, Janitor	10
11	Receptacle - -Front Counter 105	20	1				1620 500		1	20	Receptacle - 2 Way Communication Pw...	12
13	Receptacle - Entry Lobby	20	1		1800 720				1	20	Phone Base Station	14
15	Receptacle - Elevator pit	20	1			360 180			1	20	Receptacle -Copy Machine	16
17	Generator Battery Charger	20	1				500 720		1	20	Receptacle - Storage /Building Mngr	18
19	Generator Jacket Water Heater	20	2		1000 416				2	20	Receptacle -Elevator Sump Control Panel	20
21						1000 416						22
23	Receptacle - General	20	1				180 500		1	20	Receptacle -Irrigation Controller	24
25	IWH-2 Break Rm 108	25	2		1800 1440				2	20	IWH-1 RR 103	26
27						1800 1440						28
29	IWH-3 Janitor 101	20	2				3600 500		1	20	Receptacle - IT	30
31					3600 500				1	20	Receptacle - IT	32
33	Handryer	20	1	L		1000 1000			1	20	Power	34
35	Receptacle - General	20	1				360 500		1	20	Receptacle - BMS Control Panel	36
37	SPD	30	3		0 180				1	20	Receptacle - General	38
39						0 --			1	--	Space	40
41							0 --		1	--	Space	42
	Connected Load:				14 kVA	11 kVA	10 kVA					
	Connected Current:				120 A	88 A	87 A					

Load Classification	Connected	Factor	Demand
Other	720 VA	100.00%	720 VA
Receptacle - General	11092 VA	95.08%	10546 VA
Receptacle - Dedicated	5380 VA	100.00%	5380 VA
Power	18180 VA	100.00%	18180 VA

Panel Totals	
Connected Load:	35 kVA
Connected Current:	98 A
Demand Load:	35 kVA
Demand Current:	97 A

Notes:

Panelboard: VHM1

Location: FRONT COUNTER 105 | **Supply:** VHM | **Mounting:** Flush | **Enclosure:** NEMA 1 | **Features & Modifications:** -

Voltage: 208 V, 3Ø, 4W | **Bus Rating:** 100 A | **Neutral:** 100% | **Feed-Thru Lugs:** No | **Mains Type:** MCB | **Mains Rating:** 100 A | **Mains FN/Note:** - | **SCCR:** 22 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)	Phase B Load (VA)	Phase C Load (VA)	FN/Note	Poles	Trip (A)	Description	Ckt
1	VAV-1-2	20	2		500 1500				2	20	VAV-1-3	2
3						500 1500						4
5	VAV 1-14	25	2				2000 2000		3	25	VAV-1-1	6
7					2000 2000							8
9	MSCU-1, AC-1	20	2			1100 2000						10
11							1100 2626					12
13	MSCU-2-A, AC-2A	20	2		1352 2626				3	35	AHU-1-1 MCA =21.88	14
15						1352 2626						16
17	Fire Smoke Dampers	20	1				125 1572		1	20	Air Circulator Fan CF-1-6, CF 1-5, CF-1-7	18
19	Power	20	1		25 1656				1	20	DS-CEMF-1-2	20
21	EF-2-1	20	1			353 1176			1	20	DS-CEMF-1-1	22
23	Space	--	1				-- 1656		1	20	DS-CEMF-1-3	24
25	SPD	30	3		0 --				1	--	Space	26
27						0 --			1	--	Space	28
29							0 --		1	--	Space	30
	Connected Load:				12 kVA	11 kVA	11 kVA					
	Connected Current:				98 A	88 A	93 A					

Load Classification	Connected	Factor	Demand
Other	180 VA	100.00%	180 VA
Power	33164 VA	100.00%	33164 VA

Panel Totals	
Connected Load:	33 kVA
Connected Current:	93 A
Demand Load:	33 kVA
Demand Current:	93 A

Notes:

PANELBOARD KEY

VH	VHL	VHL1
VHM	VHP	VHP1
		VHM1

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6 This item has been digitally signed & sealed by Ernesto Aloma, P.E. on the date adjacent to the seal. Signature must be verified on any electronic copies.

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CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

10/27/2025 12:22:07 PM

Project Number
WJ 2312

DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE
1	Bldg. Comments	11/08/2024
2	Revision 2	01/17/2025
4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

PANEL SCHEDULES VILLAGE HALL

E-703

Panelboard: PSM2

Location: ELECTRICAL ROOM 502
Supply: PS2
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 225 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 150 A
Mains FN/Note: -
SCCR: 22 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)	Phase B Load (VA)	Phase C Load (VA)	FN/Note	Poles	Trip (A)	Description	Ckt
1	Power	20	1		300 373				2	20	Relief Air Fan -6-1	2
3	SPARE FOR FUTURE LOAD	20	1			1000 373						4
5	SPARE FOR FUTURE LOAD	20	1				1000 1000		1	20	SPARE FOR FUTURE LOAD	6
7	SPARE FOR FUTURE LOAD	20	1		1000 1000				1	20	SPARE FOR FUTURE LOAD	8
9	SPARE FOR FUTURE LOAD	20	1			1000 1000						10
11	SPARE FOR FUTURE LOAD	20	1				1000 1000		1	20	SPARE FOR FUTURE LOAD	12
13	SPARE FOR FUTURE LOAD	20	1		1500 1500				1	20	SPARE FOR FUTURE LOAD	14
15	SPARE FOR FUTURE LOAD	20	1			1500 1500						16
17	SPARE FOR FUTURE LOAD	20	1				1500 1500		1	20	SPARE FOR FUTURE LOAD	18
19	SPARE FOR FUTURE LOAD	20	1		1500 1500				1	20	SPARE FOR FUTURE LOAD	20
21	SPARE FOR FUTURE LOAD	20	1			1000 1000						22
23	SPARE FOR FUTURE LOAD	20	1				1000 1000		1	20	SPARE FOR FUTURE LOAD	24
25	SPARE FOR FUTURE LOAD	20	1		1000 1500				1	20	SPARE FOR FUTURE LOAD	26
27	SPARE FOR FUTURE LOAD	20	1			1500 1500						28
29	SPARE FOR FUTURE LOAD	20	1				1500 1500		1	20	SPARE FOR FUTURE LOAD	30
31	Space	--	1		-- --				1	--	Space	32
33	Space	--	1			-- --			1	--	Space	34
35	Space	--	1				-- --		1	--	Space	36
37					0 --				1	--	Space	38
39	SPD	20	3			0 --			1	--	Space	40
41							0 --		1	--	Space	42
	Connected Load:				11 kVA	11 kVA	12 kVA					
	Connected Current:				93 A	95 A	100 A					

Load Classification	Connected	Factor	Demand
Continuous	0 VA	0.00%	0 VA
Lighting - Interior	0 VA	0.00%	0 VA
Lighting - Exterior	0 VA	0.00%	0 VA
Other	0 VA	0.00%	0 VA
Power	1046 VA	100.00%	1046 VA
Spare	33500 VA	100.00%	33500 VA
Receptacle - Dedicated	0 VA	0.00%	0 VA
Receptacle - General	0 VA	0.00%	0 VA

Panel Totals	
Connected Load:	35 kVA
Connected Current:	96 A
Demand Load:	35 kVA
Demand Current:	96 A

Notes:

Panelboard: VHL2

Location: ELECTRICAL ROOM 503
Supply: VH2
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 100 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 100 A
Mains FN/Note: -
SCCR: 22 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)	Phase B Load (VA)	Phase C Load (VA)	FN/Note	Poles	Trip (A)	Description	Ckt
1	Lighting - Shell Area 5th Floor	20	1		2420 1000				1	20	SPARE FOR FUTURE LOAD	2
3	Lighting - Interior	20	1			1215 1500			1	20	SPARE FOR FUTURE LOAD	4
5	SPARE FOR FUTURE LAOD	20	1				1500 1500		1	20	SPARE FOR FUTURE LOAD	6
7	SPARE FOR FUTURE LOAD	20	1		1000 1000				1	20	SPARE FOR FUTURE LOAD	8
9	SPARE FOR FUTURE LOAD	20	1			1000 500			1	20	SPARE FOR FUTURE LOAD	10
11	SPARE FOR FUTURE LOAD	20	1				500 500		1	20	SPARE FOR FUTURE LOAD	12
13	Space	--	1		-- --				1	--	Space	14
15	Space	--	1			-- --			1	--	Space	16
17	Space	--	1				-- --		1	--	Space	18
19					0 --				1	--	Space	20
21	SPD	30	3			0 --			1	--	Space	22
23							0 --		1	--	Space	24
	Connected Load:				5 kVA	4 kVA	4 kVA					
	Connected Current:				45 A	35 A	33 A					

Load Classification	Connected	Factor	Demand
Continuous	0 VA	0.00%	0 VA
Lighting - Interior	3635 VA	125.00%	4544 VA
Lighting - Exterior	0 VA	0.00%	0 VA
Other	0 VA	0.00%	0 VA
Power	0 VA	0.00%	0 VA
Spare	10000 VA	100.00%	10000 VA
Receptacle - Dedicated	0 VA	0.00%	0 VA
Receptacle - General	0 VA	0.00%	0 VA

Panel Totals	
Connected Load:	14 kVA
Connected Current:	38 A
Demand Load:	15 kVA
Demand Current:	40 A

Notes:

Panelboard: VHM2

Location: ELECTRICAL ROOM 503
Supply: VH2
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 225 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 200 A
Mains FN/Note: -
SCCR: 22 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)	Phase B Load (VA)	Phase C Load (VA)	FN/Note	Poles	Trip (A)	Description	Ckt
1	Motorized Dampers	20	1		200 373				2	20	Relief Air Fan REF-6-2	2
3	SPARE FOR FUTURE LOAD	20	1			1500 373						4
5	SPARE FOR FUTURE LOAD	20	1				1000 1000		1	20	SPARE FOR FUTURE LOAD	6
7	SPARE FOR FUTURE LOAD	20	1		1000 1000				1	20	SPARE FOR FUTURE LOAD	8
9	SPARE FOR FUTURE LOAD	20	1			1000 1000						10
11	SPARE FOR FUTURE LOAD	20	1				1000 1000		1	20	SPARE FOR FUTURE LOAD	12
13	SPARE FOR FUTURE LOAD	20	1		1000 1000				1	20	SPARE FOR FUTURE LOAD	14
15	SPARE FOR FUTURE LOAD	20	1			1000 1000						16
17	SPARE FOR FUTURE LOAD	20	1				1000 1000		1	20	SPARE FOR FUTURE LOAD	18
19	SPARE FOR FUTURE LOAD	20	1		1500 --				1	--	Space	20
21	SPARE FOR FUTURE LOAD	20	1			1500 --			1	--	Space	22
23	SPARE FOR FUTURE LOAD	20	1				1500 --		1	--	Space	24
25	SPARE FOR FUTURE LOAD	20	1		1500 --				1	--	Space	26
27	SPARE FOR FUTURE LOAD	20	1			1500 --			1	--	Space	28
29	SPARE FOR FUTURE LOAD	20	1				1500 --		1	--	Space	30
31	Space	--	1		-- --				1	--	Space	32
33	Space	--	1			-- --			1	--	Space	34
35	Space	--	1				-- --		1	--	Space	36
37					0 --				1	--	Space	38
39	SDM	30	3			0 --			1	--	Space	40
41							0 --		1	--	Space	42
	Connected Load:				8 kVA	9 kVA	9 kVA					
	Connected Current:				63 A	76 A	77 A					

Load Classification	Connected	Factor	Demand
Power	946 VA	100.00%	946 VA
Spare	24500 VA	100.00%	24500 VA

Panel Totals	
Connected Load:	25 kVA
Connected Current:	71 A
Demand Load:	25 kVA
Demand Current:	71 A

Notes:

Panelboard: PSL2

Location: ELECTRICAL ROOM 502
Supply: PS2
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 100 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 100 A
Mains FN/Note: -
SCCR: 22 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)	Phase B Load (VA)	Phase C Load (VA)	FN/Note	Poles	Trip (A)	Description	Ckt
1	SPARE FOR FUTURE LOAD	20	1		1500 1500				1	20	SPARE FOR FUTURE LOAD	2
3	SPARE FOR FUTURE LOAD	20	1			1500 1500			1	20	SPARE FOR FUTURE LOAD	4
5	SPARE FOR FUTURE LOAD	20	1				1500 1500		1	20	SPARE FOR FUTURE LOAD	6
7	SPARE FOR FUTURE LOAD	20	1		1500 1500				1	20	SPARE FOR FUTURE LOAD	8
9	SPARE FOR FUTURE LOAD	20	1			1500 1500			1	20	SPARE FOR FUTURE LOAD	10
11	SPARE FOR FUTURE LOAD	20	1				1500 1500		1	20	SPARE FOR FUTURE LOAD	12
13												14
15												16
17												18
19					0							20
21	SPD	20	3			0						22
23							0					24
	Connected Load:				6 kVA	6 kVA	6 kVA					
	Connected Current:				50 A	50 A	50 A					

Load Classification	Connected	Factor	Demand
Continuous	0 VA	0.00%	0 VA
Lighting - Interior	0 VA	0.00%	0 VA
Lighting - Exterior	0 VA	0.00%	0 VA
Other	0 VA	0.00%	0 VA
Power	0 VA	0.00%	0 VA
Spare	18000 VA	100.00%	18000 VA

Panel Totals	
Connected Load:	18 kVA
Connected Current:	50 A
Demand Load:	18 kVA
Demand Current:	50 A

Notes:

Panelboard: PSP2

Location: ELECTRICAL ROOM 502
Supply: PS2
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 225 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 200 A
Mains FN/Note: -
SCCR: 10 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)	Phase B Load (VA)	Phase C Load (VA)	FN/Note	Poles	Trip (A)	Description	Ckt
1	Receptacle - General	20	1		900 1500				1	20	SPARE FOR FUTURE LOAD	2
3	SPARE FOR FUTURE LOAD	20	1			1500 1500			1	20	SPARE FOR FUTURE LOAD	4
5	SPARE FOR FUTURE LOAD	20	1				1500 1500		1	20	SPARE FOR FUTURE LOAD	6
7	SPARE FOR FUTURE LOAD	20	1		1500 1500				1	20	SPARE FOR FUTURE LOAD	8
9	SPARE FOR FUTURE LOAD	20	1			1500 1500			1	20	SPARE FOR FUTURE LOAD	10
11	SPARE FOR FUTURE LOAD	20	1				1500 1500		1	20	SPARE FOR FUTURE LOAD	12
13	SPARE FOR FUTURE LOAD	20	1		1000 1000				1	20	SPARE FOR FUTURE LOAD	14
15	SPARE FOR FUTURE LOAD	20	1			1000 1000			1	20	SPARE FOR FUTURE LOAD	16
17	SPARE FOR FUTURE LOAD	20	1				1000 1000		1	20	SPARE FOR FUTURE LOAD	18
19	SPARE FOR FUTURE LOAD	20	1		1000 1000				1	20	SPARE FOR FUTURE LOAD	20
21	SPARE FOR FUTURE LOAD	20	1			1000 1000			1	20	SPARE FOR FUTURE LOAD	22
23	SPARE FOR FUTURE LOAD	20	1				1000 1000		1	20	SPARE FOR FUTURE LOAD	24
25	SPARE FOR FUTURE LOAD	20	1		1000 1000				1	20	SPARE FOR FUTURE LOAD	26
27	SPARE FOR FUTURE LOAD	20	1			1000 1000			1	20	SPARE FOR FUTURE LOAD	28
29	SPARE FOR FUTURE LOAD	20	1				1000 1000		1	20	SPARE FOR FUTURE LOAD	30
31	Space	--	1		-- --				1	--	Space	32
33	Space	--	1			-- --			1	--	Space	34
35	Space	--	1				-- --		1	--	Space	36
37					0 --				1	--	Space	38
39	SPD	20	3			0 --			1	--	Space	40
41							0 --		1	--	Space	42
	Connected Load:				11 kVA	12 kVA	12 kVA					
	Connected Current:				95 A	101 A	101 A					

Load Classification	Connected	Factor	Demand
Lighting - Interior	0 VA	0.00%	0 VA
Lighting - Exterior	0 VA	0.00%	0 VA
Other	0 VA	0.00%	0 VA
Power	0 VA	0.00%	0 VA
Spare	34500 VA	100.00%	34500 VA
Receptacle - Dedicated	0 VA	0.00%	0 VA
Receptacle - General	900 VA	100.00%	900 VA

Panel Totals	
Connected Load:	35 kVA
Connected Current:	98 A
Demand Load:	35 kVA
Demand Current:	98 A

Notes:

Panelboard: VHP2

Location: ELECTRICAL ROOM 503
Supply: VH2
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 400 A
Neutral: 100%
Feed-Thru Lugs: Yes
Features & Modifications: -

Mains Type: MCB
Mains Rating: 300 A
Mains FN/Note: -
SCCR: 22 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)	Phase B Load (VA)	Phase C Load (VA)	FN/Note	Poles	Trip (A)	Description	Ckt
1	Receptacle - General	20	1		180 900				1	20	SPARE FOR FUTURE LOAD	2
3	SPARE FOR FUTURE LOAD	20	1			1000 1000			1	20	SPARE FOR FUTURE LOAD	4
5	SPARE FOR FUTURE LOAD	20	1				1000 1000		1	20	SPARE FOR FUTURE LOAD	6
7	SPARE FOR FUTURE LOAD	20	1		1000 1000				1	20	SPARE FOR FUTURE LOAD	8
9	SPARE FOR FUTURE LOAD	20	1			1000 1000			1	20	SPARE FOR FUTURE LOAD	10
11	SPARE FOR FUTURE LOAD	20	1				1000 1000		1	20	SPARE FOR FUTURE LOAD	12
13	SPARE FOR FUTURE LOAD	20	1		1000 1000				1	20	SPARE FOR FUTURE LOAD	14
15	SPARE FOR FUTURE LOAD	20	1			1000 1000			1	20	SPARE FOR FUTURE LOAD	16
17	SPARE FOR FUTURE LOAD	20	1				1000 1000		1	20	SPARE FOR FUTURE LOAD	18
19	SPARE FOR FUTURE LOAD	20	1		1000 1000				1	20	SPARE FOR FUTURE LOAD	20
21	SPARE FOR FUTURE LOAD	20	1			1000 1000			1	20	SPARE FOR FUTURE LOAD	22
23	SPARE FOR FUTURE LOAD	20	1				1000 1000		1	20	SPARE FOR FUTURE LOAD	24
25	SPARE FOR FUTURE LOAD	20	1		1000 1000				1	20	SPARE FOR FUTURE LOAD	26
27	SPARE FOR FUTURE LOAD	20	1			1000 1000			1	20	SPARE FOR FUTURE LOAD	28
29	SPARE FOR FUTURE LOAD	20	1				1000 1000		1	20	SPARE FOR FUTURE LOAD	30
31	SPARE FOR FUTURE LOAD	20	1		500 500				1	20	SPARE FOR FUTURE LOAD	32
33	SPARE FOR FUTURE LOAD	20	1			500 500			1	20	SPARE FOR FUTURE LOAD	34
35	SPARE FOR FUTURE LOAD	20	1				500 500		1	20	SPARE FOR FUTURE LOAD	36
37	SPARE FOR FUTURE LOAD	20	1		1000 1000				1	20	SPARE FOR FUTURE LOAD	38
39	SPARE FOR FUTURE LOAD	20	1			1000 1000			1	20	SPARE FOR FUTURE LOAD	40
41	SPARE FOR FUTURE LOAD	20	1				1000 1000		1	20	SPARE FOR FUTURE LOAD	42
43	SPARE FOR FUTURE LOAD	20	1		1000 1000				1	20	SPARE FOR FUTURE LOAD	44
45	SPARE FOR FUTURE LOAD	20	1			1000 1000			1	20	SPARE FOR FUTURE LOAD	46
47	SPARE FOR FUTURE LOAD	20	1				1000 1000		1	20	SPARE FOR FUTURE LOAD	48
49	SPARE FOR FUTURE LOAD	20	1		1000 --				1	--	Space	50
51	SPARE FOR FUTURE LOAD	20	1			1000 --			1	--	Space	52
53	SPARE FOR FUTURE LOAD	20	1				1000 --		1	--	Space	54
55	SPARE FOR FUTURE LOAD	20	1		1000 --				1	--	Space	56
57	SPARE FOR FUTURE LOAD	20	1			1000 --			1	--	Space	58
59	SPARE FOR FUTURE LOAD	20	1				1000 --		1	--	Space	60
61	Space	--	1		-- --				1	--	Space	62
63	Space	--	1			-- --			1	--	Space	64
65	Space	--	1				-- --		1	--	Space	66
67	Space	--	1		-- --				1	--	Space	68
69	Space	--	1			-- --			1	--	Space	70
71	Space	--	1				-- --		1	--	Space	72
73	Space	--	1		-- --				1	--	Space	74
75	Space	--	1			-- --			1	--	Space	76
77	Space	--	1				-- --		1	--	Space	78
79					0 --				1	--	Space	80
81	SPD	30	3			0 --			1	--	Space	82
83							0 --		1	--	Space	84
	Connected Load:				16 kVA	17 kVA	17 kVA	(Includes load connected via feed-thru lugs.)				
	Connected Current:				134 A	143 A	143 A					

Load Classification	Connected	Factor	Demand
Lighting - Interior	0 VA	0.00%	0 VA
Lighting - Exterior	0 VA	0.00%	0 VA
Other	0 VA	0.00%	0 VA
Power	0 VA	0.00%	0 VA
Spare	49900 VA	100.00%	49900 VA
Receptacle - Dedicated	0 VA	0.00%	0 VA
Receptacle - General	180 VA	100.00%	180 VA

Panel Totals	
Connected Load:	50 kVA
Connected Current:	139 A
Demand Load:	50 kVA
Demand Current:	139 A

Notes:

Panelboard: PS2

Location: ELECTRICAL ROOM 502
Supply: PS
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 400 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 400 A
Mains FN/Note: -
SCCR: 22 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)	Phase B Load (VA)	Phase C Load (VA)	FN/Note	Poles	Trip (A)	Description	Ckt
1					11400 11173							2
3	PSP2	200	3			12000 11373			3	150	PSM2	4
5							12000 12000					6
7					6000							8
9	PSL2	100	3			6000						10
11							6000					12
13												14
15												16
17												18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37					0							38
39	SPD	30	3			0						40
41							0					42
	Connected Load:				29 kVA	29 kVA	30 kVA					
	Connected Current:				238 A	246 A	251 A					

Load Classification	Connected	Factor	Demand
Lighting - Interior	0 VA	0.00%	0 VA
Lighting - Exterior	0 VA	0.00%	0 VA
Other	0 VA	0.00%	0 VA
Power	1046 VA	100.00%	1046 VA
Spare	86000 VA	100.00%	86000 VA
Receptacle - Dedicated	0 VA	0.00%	0 VA
Receptacle - General	900 VA	100.00%	900 VA

Panel Totals	
Connected Load:	88 kVA
Connected Current:	244 A
Demand Load:	88 kVA
Demand Current:	244 A

Notes:

Panelboard: VH2

Location: ELECTRICAL ROOM 503
Supply: VH
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 600 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 600 A
Mains FN/Note: -
SCCR: 22 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)	Phase B Load (VA)	Phase C Load (VA)	FN/Note	Poles	Trip (A)	Description	Ckt
1					16080							2
3	VHP2	300	3			17000						4
5							17000					6
7					7573							8
9	VHM2	200	3			8873						10
11							9000					12
13					5420							14
15	VHL2	100	3			4215						16
17							4000					18
19												20
21												22
23												24
25												26
27												28
29												30
31												32
33												34
35												36
37				0								38
39	SDP	30	3			0						40
41							0					42
	Connected Load:				29 kVA	30 kVA	30 kVA					
	Connected Current:				242 A	252 A	251 A					

Load Classification	Connected	Factor	Demand
Lighting - Interior	3635 VA	125.00%	4544 VA
Power	946 VA	100.00%	946 VA
Spare	84400 VA	100.00%	84400 VA
Receptacle - General	180 VA	100.00%	180 VA

Panel Totals	
Connected Load:	89 kVA
Connected Current:	247 A
Demand Load:	90 kVA
Demand Current:	250 A

Notes:

Breaker Function Schedule

#	For any number, see panel schedule footer note
A	Arc-Fault Interrupter (AFCI) Protection
AR	Arc Energy Reduction Maintenance Switch
D	Demolished Circuit (now Spare or Space) (former circuit in brackets)
E	Existing-to-remain circuit
EM	Provide identification per NEC 700.12(I)(2)(4)
G	Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GE	Ground-Fault Protection for Equipment (30 mA)
GF	Adjustable Ground-Fault Protection for Equipment
H	Breaker hasp to prevent unintentional opening
L	Lockable open according to NEC 110.25
LSI	Long-Time, Short-Time, Instantaneous Adjustment
LSIG	Long-Time, Short-Time, Instantaneous and Ground-Fault Adjustments
N	New Circuit (in existing panel, previously spare or space)
NB	New breaker to repace existing breaker or space (new trip rating shown)
NR	New circuit to replace existing circuit (former circuit in brackets)
R	Relocated circuit
S	Switch-rated per NEC 240.83(D)

PANELBOARD KEY

PSM2	PSL2	PS2
VHL2	PSP2	VH2
VHM2	VHP2	

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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FL. NO. 53823

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NORTH BAY VILLAGE - VILLAGE HALL & SAFETY COMPLEX

CLIENT: NORTH BAY VILLAGE
1335 79th STREET CAUSEWAY, NORTH BAY VILLAGE, FLORIDA 33140

10/27/2025 12:22:12 PM

Project Number
WJ 2312

DISTRIBUTION
08/01/2024

REV	DESCRIPTION	DATE
4	Revision 4	06/30/2025
6	Revision 6	10/27/2025

PANEL SCHEDULES SHELL SPACE

4

E-704

Panelboard: SR

Location: OPEN SHELL SPACE 508
Supply: VH
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 100 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 100 A
Mains FN/Note: -
SCCR: 22 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)		Phase B Load (VA)		Phase C Load (VA)		FN/Note	Poles	Trip (A)	Description	Ckt
1	Receptacle - Server Room	20	1		720	2880						1	30	Receptacle - IT Racks	2
3	Receptacle - Server Room	20	1				720	1920				1	20	Receptacle - IT Racks	4
5	Receptacle - IT Racks	30	1						2880	2880		1	30	Receptacle - IT Racks	6
7	Receptacle - IT Racks	20	1		1920	1920						1	20	Receptacle - IT Racks	8
9	Space	--	1				--	--				1	--	Space	10
11	Space	--	1						--	--		1	--	Space	12
13	Space	--	1		--	--						1	--	Space	14
15	Space	--	1				--	--				1	--	Space	16
17	Space	--	1						--	--		1	--	Space	18
19	Space	--	1		--	--						1	--	Space	20
21	Space	--	1				--	--				1	--	Space	22
23	Space	--	1						--	--		1	--	Space	24
25					0	--						1	--	Space	26
27	SPD	20	3				0	--				1	--	Space	28
29									0	--		1	--	Space	30
				Connected Load:	7 kVA		3 kVA		6 kVA						
				Connected Current:	66 A		22 A		52 A						

Load Classification	Connected	Factor	Demand
Receptacle - General	1440 VA	100.00%	1440 VA
Receptacle - Dedicated	14400 VA	100.00%	14400 VA

Panel Totals	
Connected Load:	16 kVA
Connected Current:	44 A
Demand Load:	16 kVA
Demand Current:	44 A

Notes:

Panelboard: EV

Location:
Supply:
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 600 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 500 A
Mains FN/Note: -
SCCR: 42 kA

Ckt	Description	Trip (A)	Poles	FN/Note	A		B		C		FN/Note	Poles	Trip (A)	Description	Ckt
1	EV CHARGING STATION	40	2		3120	3120						2	40	EV CHARGING STATION	2
3							3120	3120							4
5	EV CHARGING STATION	40	2						3120	3120		2	40	EV CHARGING STATION	6
7					3120	3120									8
9	EV CHARGING STATION	40	2				3120	3120				2	40	EV CHARGING STATION	10
11									3120	3120					12
13	EV CHARGING STATION	40	2		3120	3120						2	40	EV CHARGING STATION	14
15							3120	3120							16
17	EV CHARGING STATION	40	2						3120	3120		2	40	EV CHARGING STATION	18
19					3120	3120									20
21	EV CHARGING STATION	40	2				3120	3120				2	40	EV CHARGING STATION	22
23									3120	3120					24
25	EV CHARGING STATION	40	2		3120	3120						2	40	EV CHARGING STATION	26
27							3120	3120							28
29	EV CHARGING STATION	40	2						3120	3120		2	40	EV CHARGING STATION	30
31					3120	3120									32
33	EV CHARGING STATION	40	2				3120	3120				2	40	EV CHARGING STATION	34
35									3120	3120					36
37	EV CHARGING STATION	40	2		3120	3120						2	40	EV CHARGING STATION	38
39							3120	3120							40
41	EV CHARGING STATION	40	2						3120	--		1	--	Space	42
43					3120	--						1	--	Space	44
45	Space	--	1				--	--				1	--	Space	46
47	Space	--	1						--	--		1	--	Space	48
49	Space	--	1		--	0									50
51	Space	--	1				--	0				3	30	SPD	52
53	Space	--	1						--	0					54
				Connected Load:	47 kVA		44 kVA		41 kVA						
				Connected Current:	394 A		368 A		338 A						

Load Classification	Connected	Factor	Demand
Power	131040 VA	100.00%	131040 VA

Panel Totals	
Connected Load:	131 kVA
Connected Current:	364 A
Demand Load:	131 kVA
Demand Current:	364 A

Notes:

Switchboard: DEP1

Location: GENERATOR ROOM 201
Supply:
Mounting:
Enclosure: NEAMA 1
Features & Modifications:

Voltage: 208 V, 3Ø, 4W
Bus Rating: 2000 A
Neutral: 100%
Mains Type: MCB
Mains Rating: 2000 A
Mains FN/Note:
SCCR: 100 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)	Phase B Load (VA)	Phase C Load (VA)
1					61765		
2	FS	800	3			54950	
3							57968
4					93097		
5	PS	800	3			93604	
6							96757
7	Space	--	1		--		
8	Space	--	1			--	
9	Space	--	1				--
10					0		
11	SPD	60	3			0	
12							0
				Connected Load:	155 kVA	149 kVA	155 kVA
				Connected Current:	1298 A	1238 A	1297 A

Load Classification	Connected	Factor	Demand
Other	450 VA	100.00%	450 VA
Spare	86000 VA	100.00%	86000 VA
Lighting - Interior	13141 VA	125.00%	16426 VA
Receptacle - General	54540 VA	59.17%	32270 VA
Receptacle - Dedicated	59337 VA	100.00%	59337 VA
Lighting - Exterior	800 VA	125.00%	1000 VA
Power	243872 VA	100.00%	243872 VA

Panel Totals	
Connected Load:	458 kVA
Connected Current:	1272 A
Demand Load:	439 kVA
Demand Current:	1220 A

Notes:

Panelboard: ELV

Location: MAIN ELEC. SWITCH ROOM 002
Supply: DEP2
Mounting: Surface
Enclosure: NEMA 1

Voltage: 208 V, 3Ø, 4W
Bus Rating: 400 A
Neutral: 100%
Feed-Thru Lugs: No
Features & Modifications: -

Mains Type: MCB
Mains Rating: 400 A
Mains FN/Note:
SCCR: 65 kA

Ckt	Description	Trip (A)	Poles	FN/Note	Phase A Load (VA)	Phase B Load (VA)	Phase C Load (VA)	FN/Note	Poles	Trip (A)	Description	Ckt
1					5278	5278						2
3	ELEVATOR # 2	60	3	1		5278	5278	1	3	60	ELEVATOR # 1	4
5							5278					6
7												8
9						5278	4918					10
11	ELEVATOR # 3	60	3	1			5278	1	3	60	ELEVATOR # 4	12
13					5278	4918						14
15	Space	--	1			--	--		1	--	Space	16
17	Space	--	1				--		1	--	Space	18
19	Space	--	1		--	--			1	--	Space	20
21	Space	--	1			--	--		1	--	Space	22
23	Space	--	1				--		1	--	Space	24
25					0	--			1	--	Space	26
27	SPD	30	3			0	--		1	--	Space	28
29							0		1	--	Space	30
				Connected Load:	21 kVA	21 kVA	21 kVA					
				Connected Current:	173 A	173 A	173 A					

Load Classification	Connected	Factor	Demand
Power	62252 VA	100.00%	62252 VA

Panel Totals	
Connected Load:	62 kVA
Connected Current:	173 A
Demand Load:	62 kVA
Demand Current:	173 A

Notes: 1 - PROVIDE FIRE ALARM SHUNT TRIP AT BREAKER

Breaker Function Schedule

#	For any number, see panel schedule footer note
A	Arc-Fault Interrupter (AFCI) Protection
AR	Arc Energy Reduction Maintenance Switch
D	Demolished Circuit (now Spare or Space) (former circuit in brackets)
E	Existing-to-remain circuit
EM	Provide identification per NEC 700.12(I)(2)(4)
G	Ground-Fault Circuit Interrupter (GFCI) Protection (5 mA)
GE	Ground-Fault Protection for Equipment (30 mA)
GF	Adjustable Ground-Fault Protection for Equipment
H	Breaker hasp to prevent unintentional opening
L	Lockable open according to NEC 110.25
LSI	Long-Time, Short-Time, Instantaneous Adjustment
LSIG	Long-Time, Short-Time, Instantaneous and Ground-Fault Adjustments
N	New Circuit (in existing panel, previously spare or space)
NB	New breaker to repace existing breaker or space (new trip rating shown)
NR	New circuit to replace existing circuit (former circuit in brackets)
R	Relocated circuit
S	Switch-rated per NEC 240.83(D)

PANELBOARD KEY

SR | EV
ELV

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

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ERNESTO ALOMA, P.E.
FL. ENGINEER
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REV	DESCRIPTION	DATE
4	Revision 4	06/30/2025
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PANEL SCHEDULES, EV, ELV, SR, DEP

E-705

Kitchen Equipment Connection Schedule

Identity	Equipment Served	Electrical Voltage	Current Load	Electrical Poles
F8	Refrigerator	120 V	3.0 A	1
F9	Refrigerator	120 V	5.4 A	1
F10	Freezer	120 V	6.3 A	1
F14	Self contained Cube Ice Maker	120 V	4.2 A	1
F15	Ice Cube Machine	208 V	8.3 A	2
F16	Dishwasher	208 V	27.0 A	2
F16	Dishwasher	208 V	27.0 A	2
R	Gas Range	120 V	2.0 A	1

EQUIPMENT IDENTITY LEGEND

CB - DENOTES CIRCUIT BREAKER

D - DENOTES HEAVY DUTY DISCONNECT.

DS- SWITCH DISCONNECT TOGGLE TYPE, MOTOR RATED, HEAVY DUTY

VOLTAGE AND CURRENT RATING AND NUMBER OF POLES AS INDICATED IN THE SCHEDULE

Mechanical Equipment Connection Schedule

Identity	Electrical Voltage	Current Rating	Electrical Poles	Electrical Apparent Power	Circuit Panel	Circuit Circuit	Enclosure Type
D- MG-1	208 V	30.0 A	2	1.7 kVA	VHP	61,63	NEMA 1
D-CU-1-1	208 V	60.0 A	3	19.8 kVA	VHM	46,48,50	NEMA 4X
D-CU-1-2	208 V	60.0 A	2	6.7 kVA	FSM	8,10	NEMA 4X
D-CU-1-3	208 V	60.0 A	2	5.8 kVA	FSM	19,21	NEMA 4X
D-CU-1-4	208 V	60.0 A	2	7.3 kVA	FSM	15,17	NEMA 4X
D-CU-2-1	208 V	60.0 A	2	3.5 kVA	FSM	18,20	NEMA 4X
D-CU-4	208 V	30.0 A	2	2.1 kVA	VHM	51,53	NEMA 4X
D-EF-8	208 V	60.0 A	2	2.5 kVA	FSM	22,24	NEMA 1
D-ELV-1	208 V	60.0 A	3	15.8 kVA	ELV	2,4,6	NEMA 1
D-ELV-2	208 V	60.0 A	3	15.8 kVA	ELV	1,3,5	NEMA 1
D-ELV-3	208 V	60.0 A	3	15.8 kVA	ELV	9,11,13	NEMA 1
D-ELV-4	208 V	60.0 A	3	14.8 kVA	ELV	10,12,14	NEMA 1
D-EWH-1	208 V	60.0 A	3	15.0 kVA	PSM	25,27,29	NEMA 1
D-EWH-1	208 V	60.0 A	3	15.0 kVA	FSP	58,60,62	NEMA 1
D-WH-2	208 V	30.0 A	2	4.0 kVA	VHM1	5,7	NEMA 1
D-KEF-1	208 V	30.0 A	3	0.9 kVA	PSM	30,32,34	NEMA 4X
D-MSCU-1	208 V	30.0 A	2	2.1 kVA	VHM1	9,11	NEMA 4X
D-MSCU-2-A	208 V	30.0 A	2	2.5 kVA	VHM1	13,15	NEMA 4X
D-MSCU-2-B	208 V	30.0 A	2	2.1 kVA	FSM	36,38	NEMA 4X
D-MSCU-3	208 V	30.0 A	2	4.6 kVA	FSM	32,34	NEMA 4X
D-RTU-5-1	208 V	200.0 A	3	58.7 kVA	PS	5	NEMA 4X
D-RTU-5-2	208 V	60.0 A	3	58.7 kVA	VH	8	NEMA 4X
D-RTU-6-1	208 V	200.0 A	3	39.6 kVA	VH	5	NEMA 4X
D-RTU-6-2	208 V	200.0 A	3	39.6 kVA	VH	6	NEMA 4X
D-RTU-6-3	208 V	200.0 A	3	39.6 kVA	VH	7	NEMA 4X
D-VAV-1-1	208 V	30.0 A	3	6.0 kVA	VHM1	6,8,10	NEMA 1
D-VAV-1-2	208 V	30.0 A	2	1.0 kVA	VHM1	1,3	NEMA 1
D-VAV-1-3	208 V	30.0 A	2	3.0 kVA	VHM1	2,4	NEMA 1
D-VAV-5-2	208 V	30.0 A	3	5.0 kVA	PSM	6,8,10	NEMA 1
D-VAV-6-1	208 V	60.0 A	2	2.0 kVA	PSM	2,4	NEMA 1
D-VAV-6-3	208 V	60.0 A	2	2.0 kVA	PSM	1,3	NEMA 1
D-VAV-6-5	208 V	60.0 A	2	4.0 kVA	PSM	9,11	NEMA 1
D-VAV-6-6	208 V	30.0 A	3	5.0 kVA	PSM	12,14,16	NEMA 1
D-VAV-6-7	208 V	60.0 A	2	1.0 kVA	PSM	13,15	NEMA 1
D-VAV-6-8	208 V	60.0 A	2	2.0 kVA	PSM	18,20	NEMA 1
D-VAV-6-9	208 V	60.0 A	2	1.0 kVA	PSM	13,15	NEMA 1
D-VAV-6-10	208 V	60.0 A	2	4.0 kVA	PSM	17,19	NEMA 1
D-VAV-6-11	208 V	60.0 A	2	4.0 kVA	PSM	21,23	NEMA 1
D-VAV-6-12	208 V	60.0 A	2	1.0 kVA	PSM	22,24	NEMA 1
D-VAV-6-16	208 V	60.0 A	2	1.0 kVA	PSM	13,15	NEMA 1
D-VAV-6-17	208 V	30.0 A	3	5.0 kVA	VHM	7,9,11	NEMA 1
D-VAV-6-19	208 V	60.0 A	2	1.0 kVA	VHM	2,4	NEMA 1
D-VAV-6-20	208 V	60.0 A	2	1.0 kVA	VHM	2,4	NEMA 1
D-VAV-6-21	208 V	30.0 A	3	5.0 kVA	VHM	6,8,10	NEMA 1
D-VAV-6-22	208 V	30.0 A	3	6.0 kVA	VHM	13,15,17	NEMA 1
D-VAV-6-23	208 V	60.0 A	2	2.0 kVA	VHM	12,14	NEMA 1
D-VAV-6-24	208 V	60.0 A	2	1.0 kVA	VHM	19,21	NEMA 1
D-VAV-6-25	208 V	60.0 A	2	1.0 kVA	VHM	19,21	NEMA 1
D-VAV-6-26	208 V	30.0 A	3	5.0 kVA	VHM	16,18,20	NEMA 1
D-VAV-6-27	208 V	60.0 A	2	4.0 kVA	VHM	23,25	NEMA 1
D-VAV-6-28	208 V	60.0 A	2	1.0 kVA	VHM	22,24	NEMA 1
D-VAV-6-29	208 V	30.0 A	3	5.0 kVA	VHM	26,28,30	NEMA 1
D-VAV-6-30	208 V	60.0 A	2	1.0 kVA	VHM	22,24	NEMA 1
D-VAV-6-32	208 V	60.0 A	2	3.0 kVA	VHM	27,29	NEMA 1
D-VAV-6-33	208 V	60.0 A	2	1.0 kVA	VHM	31,33	NEMA 1
D-VAV-6-34	208 V	30.0 A	3	5.0 kVA	VHM	32,34,36	NEMA 1
D-VAV-6-36	208 V	30.0 A	3	8.0 kVA	VHM	38,40,42	NEMA 1
D-VAV-6-37	208 V	30.0 A	3	6.0 kVA	VHM	35,37,39	NEMA 1
D-VAV-6-39	208 V	60.0 A	2	1.0 kVA	VHM	56,58	NEMA 1
DS-CF-1-1	120 V	20.0 A	1	0.7 kVA	FSM	16	NEMA 1
DS-CF-1-2	120 V	20.0 A	1	0.7 kVA	FSM	16	NEMA 1
DS-CF-1-3	120 V	20.0 A	1	0.7 kVA	FSM	27	NEMA 1
DS-CF-1-4	120 V	20.0 A	1	0.7 kVA	FSM	27	NEMA 1
DS-CF-1-5	120 V	20.0 A	1	0.7 kVA	VHM1	18	NEMA 4X
DS-CF-1-6	120 V	20.0 A	1	0.7 kVA	VHM1	18	NEMA 4X
DS-EF-1-1	120 V	20.0 A	1	0.7 kVA	FSM	2	NEMA 1
DS-EF-1-3	120 V	20.0 A	1	0.1 kVA	FSM	7	NEMA 1
DS-EF-1-4	120 V	20.0 A	1	0.7 kVA	FSM	7	NEMA 1
DS-EF-1-9	120 V	20.0 A	1	0.1 kVA	FSM	5	NEMA 1
DS-EF-2-1	120 V	20.0 A	1	0.4 kVA	VHM1	21	NEMA 1
DS-EF-4-1	120 V	20.0 A	1	0.1 kVA	VHM	47	NEMA 4X
DS-EF-4-2	120 V	20.0 A	1	0.1 kVA	VHM	47	NEMA 4X
DS-EF-6-1	120 V	20.0 A	1	0.5 kVA	PSM	31	NEMA 4X
DS-EF-6-1	208 V	20.0 A	2	0.7 kVA	PSM2	2,4	NEMA 4X
DS-EF-6-2	120 V	20.0 A	1	0.1 kVA	PSM	31	NEMA 4X
DS-EF-6-3	120 V	20.0 A	1	0.2 kVA	VHM	43	NEMA 4X
DS-EF-6-4	120 V	20.0 A	1	0.1 kVA	PSM	31	NEMA 4X
DS-EF-6-5	120 V	20.0 A	1	0.1 kVA	PSM	31	NEMA 4X
DS-EF-6-6	120 V	20.0 A	1	0.1 kVA	PSM	31	NEMA 4X
DS-EF-17	120 V	20.0 A	1	0.1 kVA	VHM1	17	NEMA 1
DS-SF-2-1	120 V	30.0 A	1	1.7 kVA	VHP	7	NEMA 1

4

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EQUIPMENT CONNECTION SCHEDULE

E-706

TO THE BEST OF THE ARCHITECT'S OF ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.

SCOPE OF WORK

PROVIDE A NEW AUTOMATIC WET-PIPE SPRINKLER SYSTEM AND STANDPIPE SYSTEM IN ACCORDANCE WITH NFPA 13, 14, 20 AND 24 FOR THE NORTH BAY VILLAGE - VILLAGE HALL AND SAFETY COMPLEX.
FIRE PROTECTION CONTRACTOR SHALL OBTAIN FROM THE FIRE DEPARTMENT A NEW FLOW TEST AT THE TIME OF PREPARATION OF SHOP DRAWINGS AND SHALL USE THOSE RESULTS IN THE DESIGN OF THE FIRE SPRINKLER SYSTEM. THE CONTRACTOR IS HEREBY NOTIFIED THAT COMPLETE CALCULATIONS AND SHOP DRAWINGS SIGNED AND SEALED BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER ARE TO BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW AND COMPLIANCE WITH PROJECT GENERAL REQUIREMENTS AND CRITERIA NOTED HEREIN.
THESE ENGINEERING DOCUMENTS ARE ISSUED FOR PRELIMINARY AND/OR CONCEPTUAL USE TO DEPICT THE GENERAL REQUIREMENTS OF THE FIRE PROTECTION SYSTEM AND NOT ISSUED FOR CONSTRUCTION, AS MENTIONED ON F.A.C. 61G15-32(5). REFER TO FLORIDA ADMINISTRATIVE CODE CHAPTER 61G15-32 NOTES FOR ADDITIONAL REQUIREMENTS.

FLORIDA ADMINISTRATIVE CODE CHAPTER 61G15-32 NOTES

1. THE FIRE PROTECTION SYSTEM SCOPE OF WORK SHALL INCLUDE THE PREPARATION OF THE FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS (WORKING PLANS). PROVIDE ALL EQUIPMENT, MATERIALS, COMPONENTS, ASSEMBLIES AND SUPPORT SYSTEMS. UPDATED HYDRANT FLOW TEST AND PERFORM HYDRAULIC CALCULATIONS FOR PREPARATION OF THE FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS (WORKING PLANS).
2. THE FIRE PROTECTION DESIGN, CALCULATIONS, INSTALLATION AND THE ACCEPTANCE TESTING OF THE FIRE PROTECTION SYSTEM SHALL BE IN ACCORDANCE WITH NFPA 13, 2019 EDITION; THE FLORIDA BUILDING CODE 8TH EDITION (2023) AND THE FLORIDA FIRE PREVENTION CODE 8TH EDITION (2023) AND ALL LOCAL CODES REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
3. AREA OCCUPANCIES AND HAZARD CLASSIFICATIONS SHALL BE LISTED IN THE DESIGN CRITERIA.
4. THE STRUCTURAL SUPPORTS AND OPENINGS FOR THE FIRE PROTECTION SYSTEM SHALL BE COORDINATED WITH THE STRUCTURAL ENGINEER.
5. ALL SYSTEM CONTROL VALVES SHALL BE PROVIDED WITH TAMPER SWITCHES AND INTERFACE THE ALARM CIRCUIT.
6. NOTWITHSTANDING F.A.C. 61G15-32, THE FIRE PROTECTION CONTRACTOR SHALL PREPARE AND PROVIDE FIRE PROTECTION SYSTEM LAYOUT DOCUMENTS AND SHALL BE SUBMITTED TO THE ARCHITECT/ENGINEER AND THE LOCAL AHJ FOR ACCEPTANCE PRIOR TO CONSTRUCTION PERMITTING.
7. ALL FIRE PROTECTION EQUIPMENT AND COMPONENTS SHALL BE, U.L. LISTED AND FM APPROVED, AND TESTED FOR FIRE PROTECTION USE.
8. THE POINT OF SERVICE AND THE WATER SUPPLY CHARACTERISTIC'S FOR THE FIRE PROTECTION SYSTEM IS SHOWN ON THE FIRE PROTECTION SITE PLAN.
9. THE FIRE PROTECTION CONTRACTOR SHALL NOTIFY THE ARCHITECT/ENGINEER OF ANY EVIDENCE OF MIC (MICROBIAL INDUCED CORROSION) AND PROVIDE NECESSARY WATER TREATMENT AS NEEDED TO REDUCE OR ELIMINATE MIC.
10. ALL METERING AND BACK FLOW PREVENTION DEVICES SHALL MEET THE REQUIREMENTS OF THE WATER UTILITY.

GENERAL SPRINKLER NOTES

1. THE FIRE PROTECTION SYSTEM INSTALLATION AND MATERIALS SHALL BE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 8TH EDITION (2023), NFPA 13-(2019 EDITION) NFPA 14-(2019), NFPA 20-(2019), AND AUTHORITY HAVING JURISDICTION.
2. SPRINKLER SYSTEM TO BE INSTALLED BY A STATE CERTIFIED FIRE PROTECTION CONTRACTOR. FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL PERMITS AND COORDINATION TO AVOID INTERFERENCE WITH THE WORK OF OTHER TRADES. FIRE PROTECTION CONTRACTOR SHALL PROVIDE CONSTRUCTION DOCUMENTS TO COMPLY WITH FLORIDA ADMINISTRATIVE CODE (FAC) CHAPTER 61G15-32 INCLUDING REQUIRED EQUIPMENT DATA, CALCULATIONS AND SCALED DRAWINGS, WHICH SHALL BE SIGNED AND SEALED BY A FLORIDA REGISTERED ENGINEER, AND SUBMITTED TO THE AUTHORITIES, INCLUDING OWNER'S INSURANCE UNDERWRITER, COUNTY, FIRE MARSHALL AND OFFICE OF LICENSURE AND CERTIFICATION FOR REVIEW. FIRE PROTECTION CONTRACTOR SHALL HAVE ALL THIS APPROVED PRIOR TO SUBMITTING TO ARCHITECT/ENGINEER FOR ACCEPTANCE FOR INSTALLATION.
3. CONTRACTOR SHALL COORDINATE WITH STRUCTURE, CEILING GRID AND ELEVATION, AND OTHER MECHANICAL AND ELECTRICAL SERVICES BEFORE FABRICATING AND INSTALLING SPRINKLER PIPING. MAKE OFFSETS IN PIPING AS REQUIRED PER FIELD CONDITIONS. MAINTAIN 6" CLEARANCE BETWEEN PIPING AND 1 AND 2 HOUR RATED WALLS INCLUDING CORRIDOR WALLS.
4. ALL VALVES SHALL BE OF DOMESTIC MANUFACTURER, U.L. LISTED FOR FIRE PROTECTION SERVICE AND RATED FOR 175 PSI WORKING PRESSURE. PROVIDE U.L. LISTED/ FM APPROVED TAMPER SWITCHES AT CONTROL VALVE LOCATIONS. PROVIDE U.L. LISTED/ FM APPROVED FLOW SWITCHES, WHERE SHOWN, AT CONTROL VALVE LOCATIONS.
5. SPRINKLER HEADS SHALL BE U.L. LISTED AS INDICATED IN SCHEDULE RATED FOR 175 PSI WORKING PRESSURE, AND PROVIDED IN ACCORDANCE WITH SCHEDULE SHOWN ON THIS SHEET PROVIDE HEAD GUARDS ON UPRIGHT AND PENDENT SPRINKLER HEADS LOCATED IN ELEVATOR SHAFT, MECHANICAL SHAFTS, MECHANICAL AND MACHINE ROOMS. CONTRACTOR SHALL PROVIDE AND TURN OVER TO THE OWNER AT LEAST (10) SPARE SPRINKLER HEADS OF EACH TYPE WITH TEMPERATURE RATING BEING INSTALLED.
6. CONTRACTOR SHALL PROVIDE FLUSHING CONNECTIONS WHERE SHOWN ON PLANS. PROVIDE A DRAIN CONNECTION FOR ALL TRAPPED SECTION OF PIPING.
7. PIPING SHALL BE U.L. LISTED SCHEDULE 10 FOR PIPING ABOVE 2-1/2" AND FOR 2" AND SMALLER PIPING SHALL BE SCHEDULE 40. WHERE CORROSIVE CONDITIONS EXIST OR PIPING IS EXPOSED TO THE WEATHER, CORROSION-RESISTANT TYPE OF PIPE, FITTINGS, AND HANGERS OR PROTECTIVE CORROSION-RESISTIVE COATINGS SHALL BE USED. PROVIDE U.L. LISTED CLASS 125 CAST IRON THREADED FITTINGS, AND/OR U.L. LISTED GROOVED MECHANICAL PIPE FITTINGS FOR SIZE UP TO 2". ALL STEEL PIPE FITTINGS 2" AND LARGER SHALL BE U.L. LISTED GROOVED MECHANICAL PIPE FITTINGS. ALL GROOVED END 90° ELBOWS SHALL BE LONG RADIUS. UNDERGROUND MAIN SHALL BE DUCTILE IRON, CEMENT LINED/ASPHALT COATED, WITH FASTITE JOINT USING A FAST GRIP GASKET, AND MECHANICAL JOINT PIPE FITTINGS USING A MEGALUG RETAINER, PROVIDE CONCRETE THRUST BLOCK AT ALL CHANGES IN DIRECTION OF UNDERGROUND PIPING. ALL MATERIALS SHALL BE OF DOMESTIC MANUFACTURER AND U.L. LISTED. ALL FITTINGS SHALL BE PROVIDED BY THE SAME MANUFACTURER. MINIMUM PIPE SIZE SHALL BE 1".
8. SPRINKLER HEADS SHALL BE A MINIMUM OF 18" ABOVE ANY FLOOR OBSTRUCTION, SHELVES OR CABINETS.
9. INSPECTORS TEST AND DRAIN VALVE, SUPERVISED SHUT-OFF VALVES, SHALL BE LOCATED A MAXIMUM OF 7'-0" A.F.F..
10. PRESSURE TEST ABOVE GROUND AND UNDERGROUND PIPING HYDROSTATICALLY AT 200 PSIG FOR NOT LESS THAN 2 HOURS IN ACCORDANCE WITH NFPA-13. FLUSH OUT ALL PIPING IN ACCORDANCE WITH NFPA-13. PROVIDE TYPED AND COMPLETED NFPA-13 TEST CERTIFICATE FOR ABOVEGROUND AND UNDERGROUND PIPING.
11. ANCHORS AND SUPPORTS SHALL BE SAME AS SPECIFIED.
12. DRAIN SHALL BE 1¼" X ½" TEST ORIFICE WITH INTEGRAL SIGHT GLASS ASSEMBLY.
13. FIRE DEPARTMENT CONNECTIONS SHALL BE MIAMI-DADE STANDARD THREAD.

1 FIRE PROTECTION GENERAL NOTES
12" = 1'-0"

PUMP SCHEDULE

PUMP NUMBER	FP-1	JP-1
SERVICE	FIRE PUMP	JOCKEY PUMP
LOCATION	FIRE PUMP ROOM	FIRE PUMP ROOM
GPM	1000	T.B.D.
HEAD, PSI	T.B.D.	T.B.D.
H.P.	T.B.D.	T.B.D.
ELECTRIC MOTOR		
ELECTRICAL REQUIREMENTS	208 V / 3ϕ / 60 Hz	208 V / 3ϕ / 60 Hz
TYPE	HORIZONTAL SPLIT CASE	VERTICAL MULTI-STAGE
R.P.M.		T.B.D.
MANUFACTURER & MODEL		T.B.D.
NUMBER OF PUMPS	1	1
REMARKS	UL LISTED / FM APPROVED	UL LISTED / FM APPROVED
IMPELLER SIZE		3.66" (STAINLESS STEEL)
AUTOMATIC PUMP CONTROLLER	FIRETROL MODEL TO BE DETERMINED	FIRETROL MODEL TO BE DETERMINED

NOTES:
- SUCTION SIDE - OS&Y DISCHARGE SIDE - BUTTERFLY VALVE, SILENT CHECK VALVE
- DISCHARGE TEE AND FIRE PUMP SENSING LINE PER NFPA -20 (2019)

2 FIRE PUMP SCHEDULE
1/8" = 1'-0"

SPRINKLER HEAD SCHEDULE

SYMBOL	TYPE	RESPONSE	COVERAGE	MANUFACTURER	HEAD MODEL	K-FACTOR	TEMP(°F)	ORIFICE	LISTING & APPROVALS	HAZARD	FINISH	REMARKS
	UPRIGHT SPRINKLER - CORROSION RESISTANT	QUICK	STANDARD							OH		EXPOSED (PARKING GARAGE)
	UPRIGHT SPRINKLER	QUICK	EXTENDED COVERAGE							OH		EXPOSED (APPARATUS BAY)
	UPRIGHT SPRINKLER	QUICK	STANDARD						UL, FM	OH		EXPOSED
	CONCEALED PENDENT SPRINKLER	QUICK	STANDARD						UL, FM	OH		CONCEALED
	SEMI-RECESSED PENDENT SPRINKLER	QUICK							UL, FM	OH		SEMI-RECESSED
	HORIZONTAL SIDEWALL SPRINKLER	QUICK	EXTENDED COVERAGE						UL, FM	LH		
	HORIZONTAL SIDEWALL SPRINKLER	QUICK	STANDARD						UL, FM	OH		EXPOSED (ELEVATOR PIT)

NOTES:

3 SPRINKLER HEAD SCHEDULE
1/8" = 1'-0"

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GENERAL NOTES AND SCHEDULES

FP101

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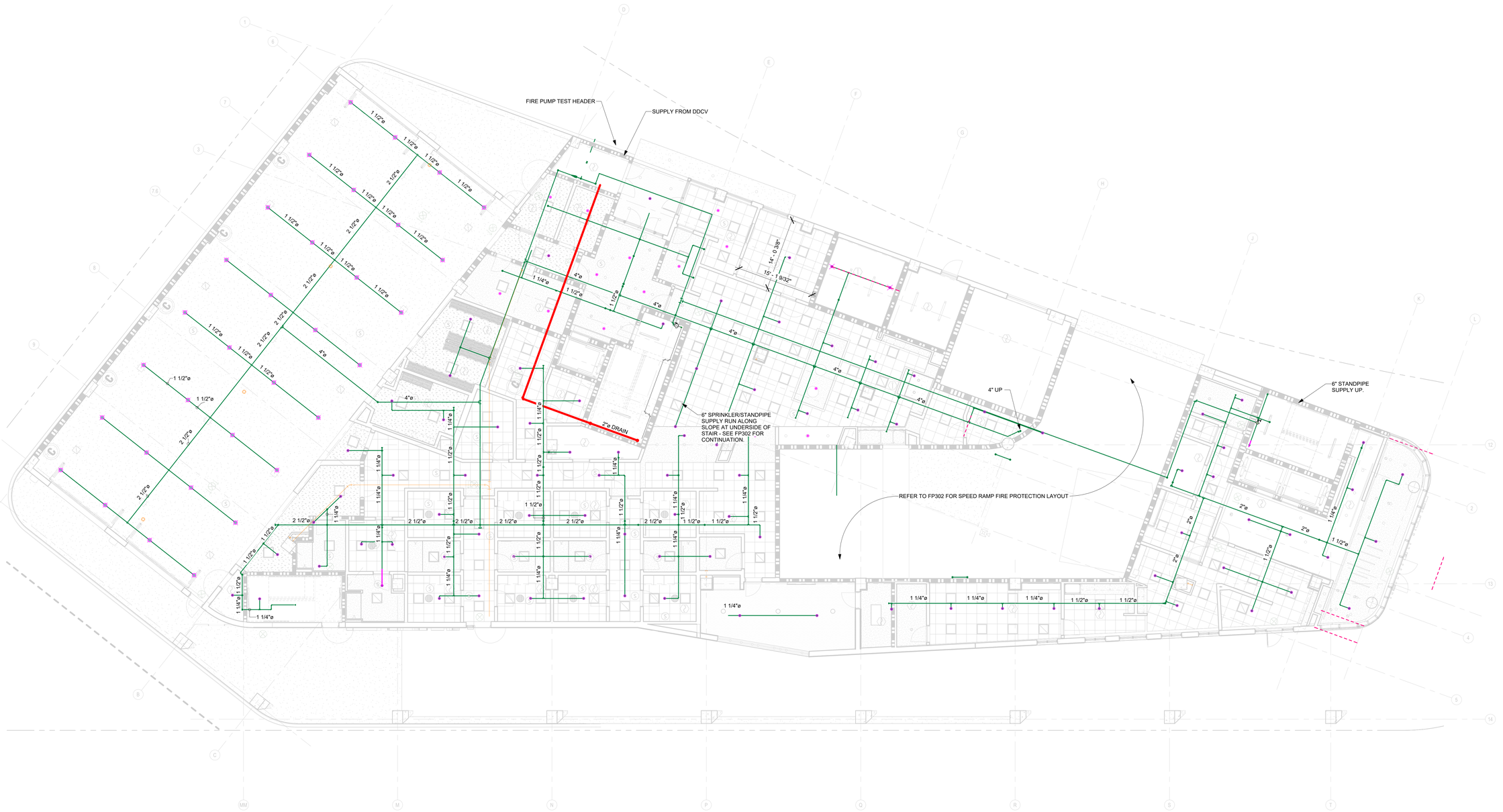

1 LEVEL 1 - FIRE PROTECTION
1/8" = 1'-0"

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FIRST FLOOR FIRE PROTECTION PLAN

FP301

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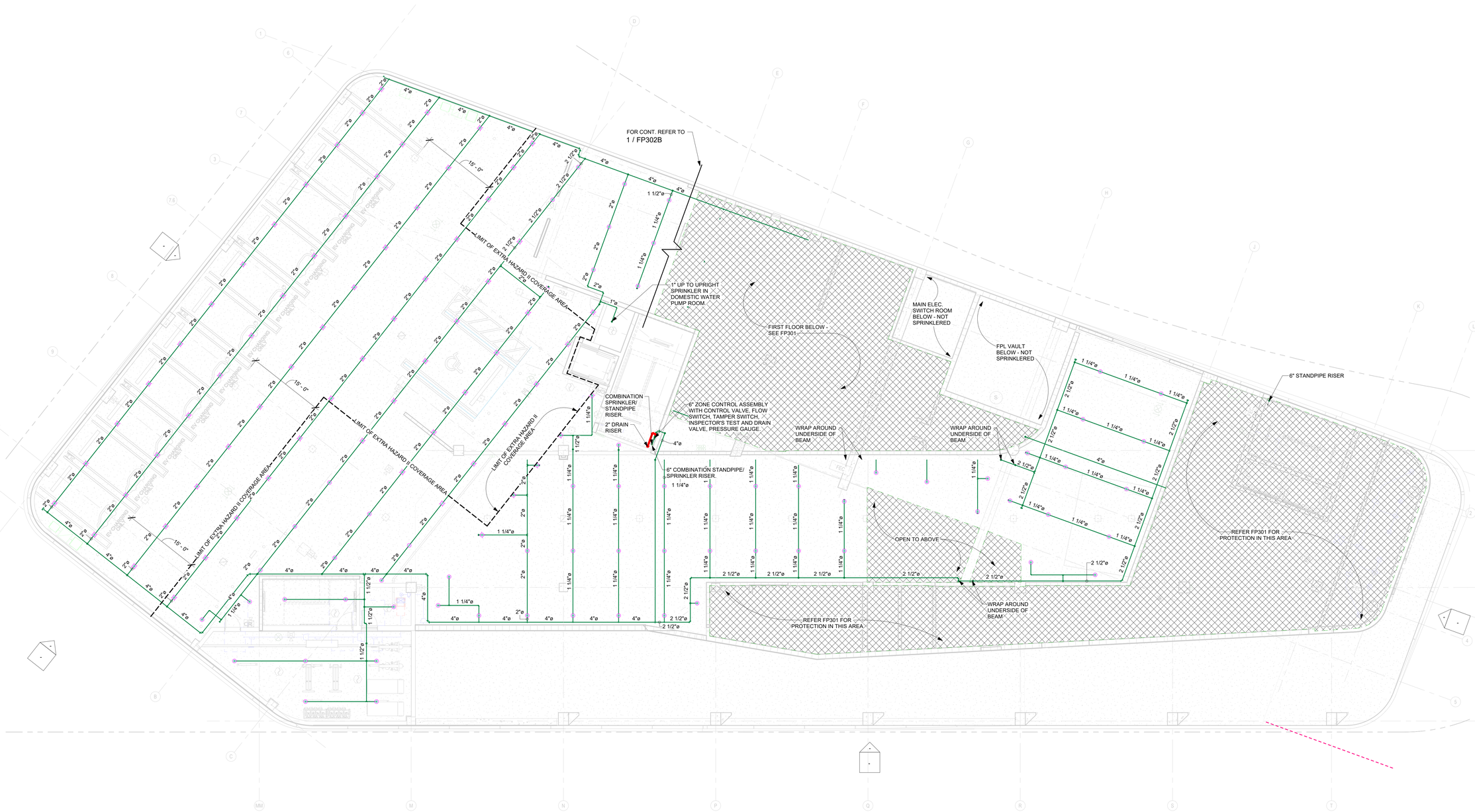

1 LEVEL 2 - FIRE PROTECTION
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SECOND FLOOR FIRE PROTECTION PLAN

FP302

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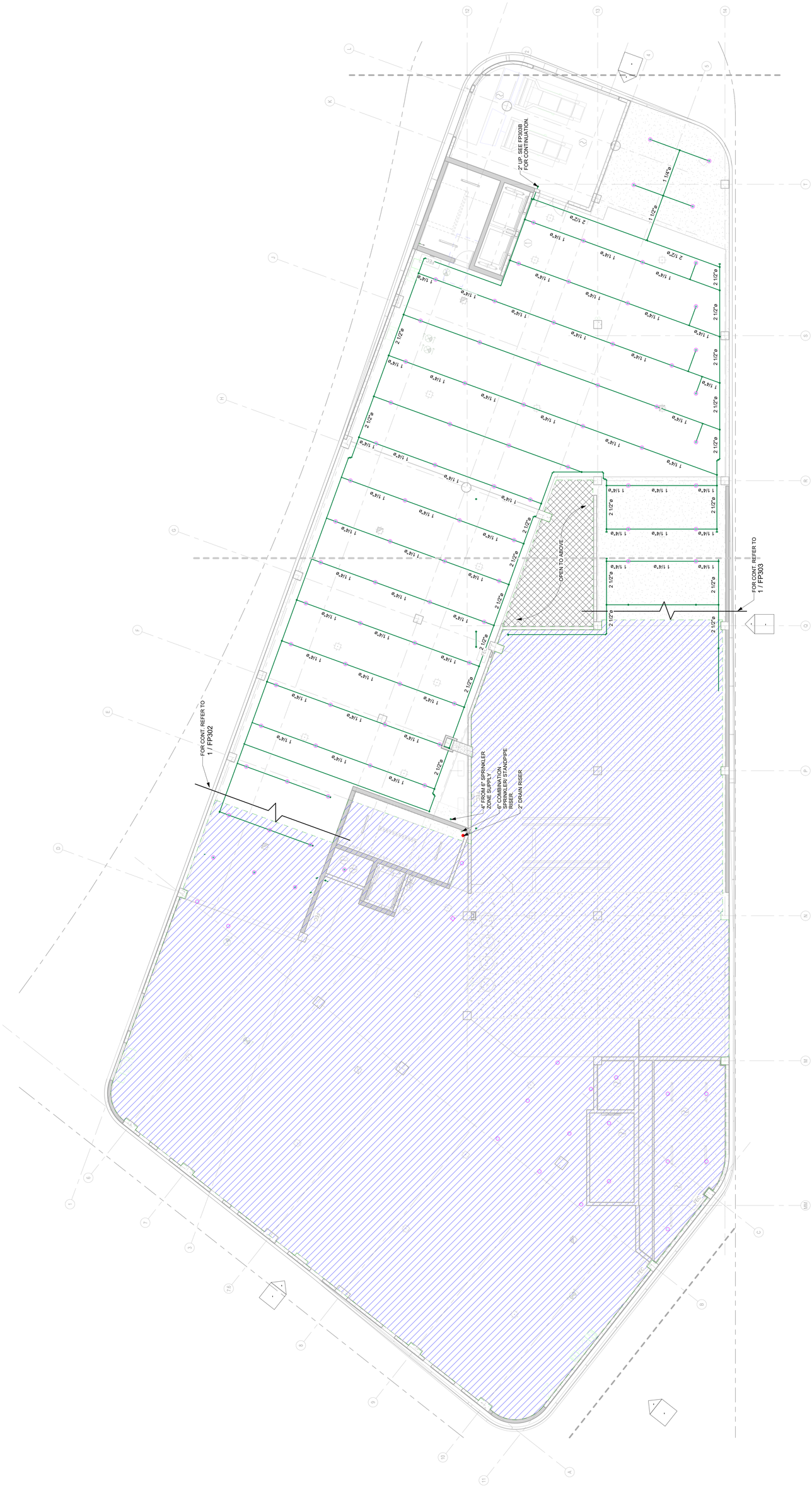

1 LEVEL 2B - FIRE PROTECTION
1/8" = 1'-0"

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LEVEL 2B FIRE PROTECTION

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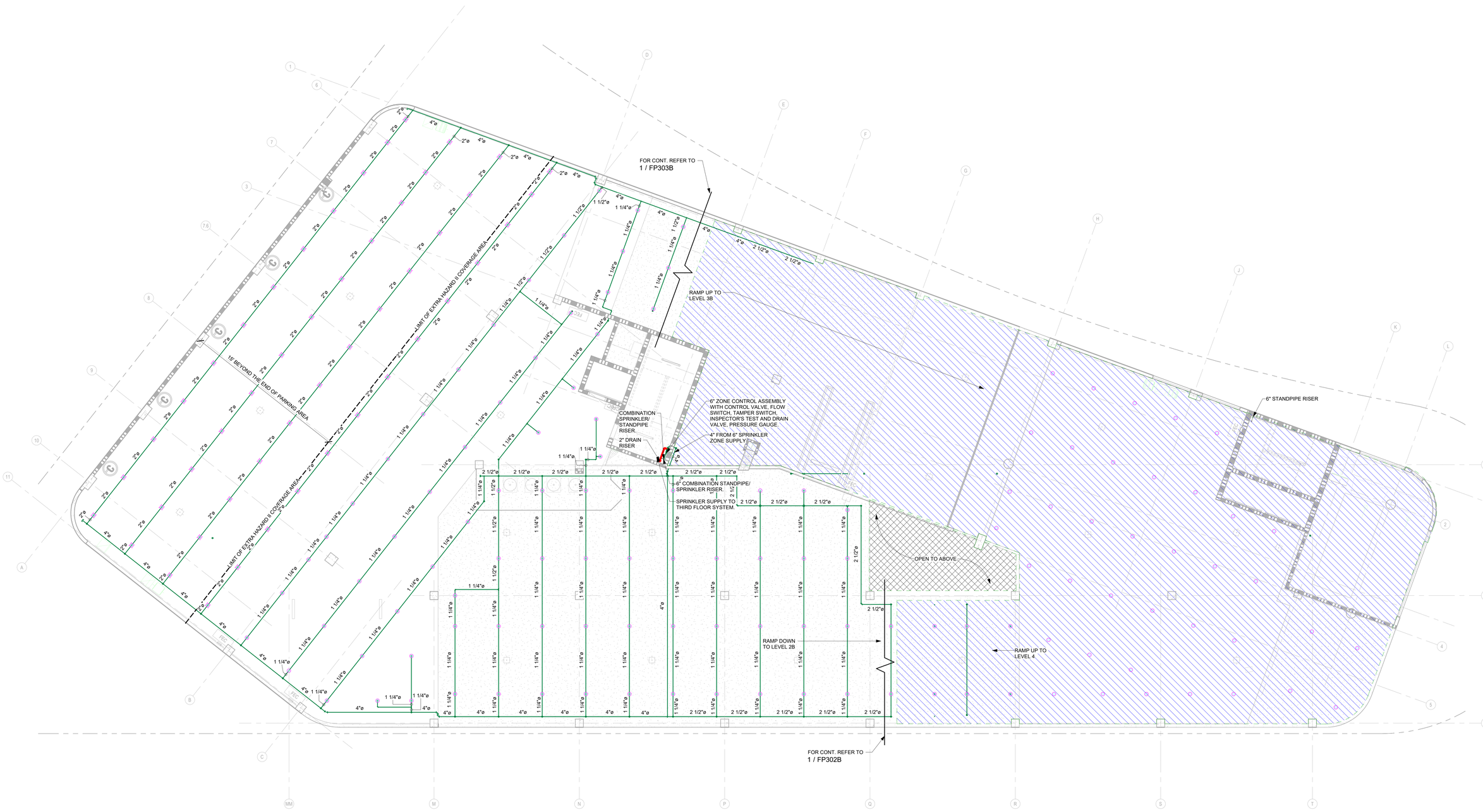

1 LEVEL 3 - FIRE PROTECTION
1/8" = 1'-0"

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THIRD FLOOR FIRE PROTECTION PLAN

FP303

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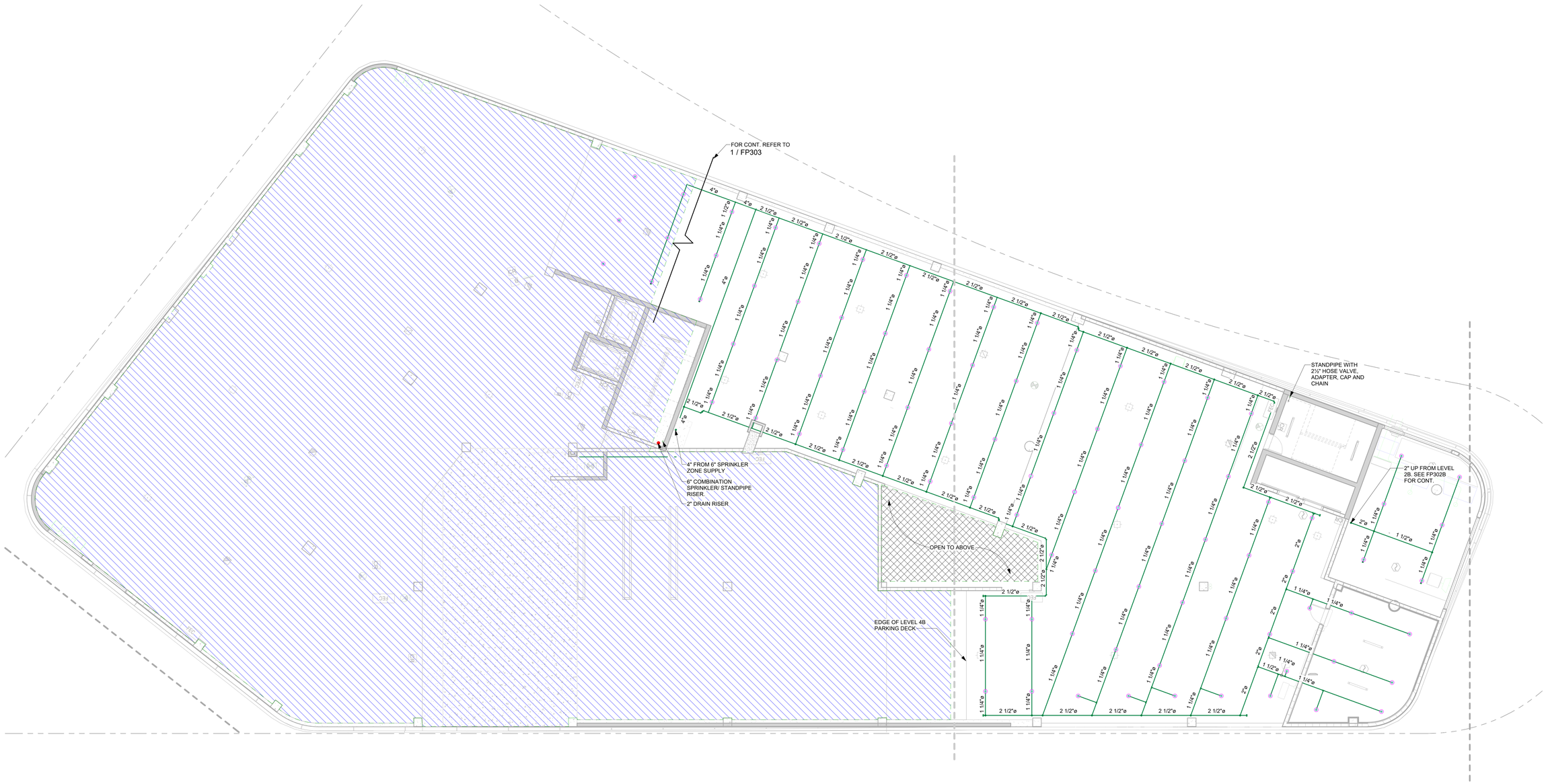

1 LEVEL 3B - FIRE PROTECTION
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LEVEL 3B - FIRE PROTECTION

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1 LEVEL 4 - FIRE PROTECTION
1/8" = 1'-0"

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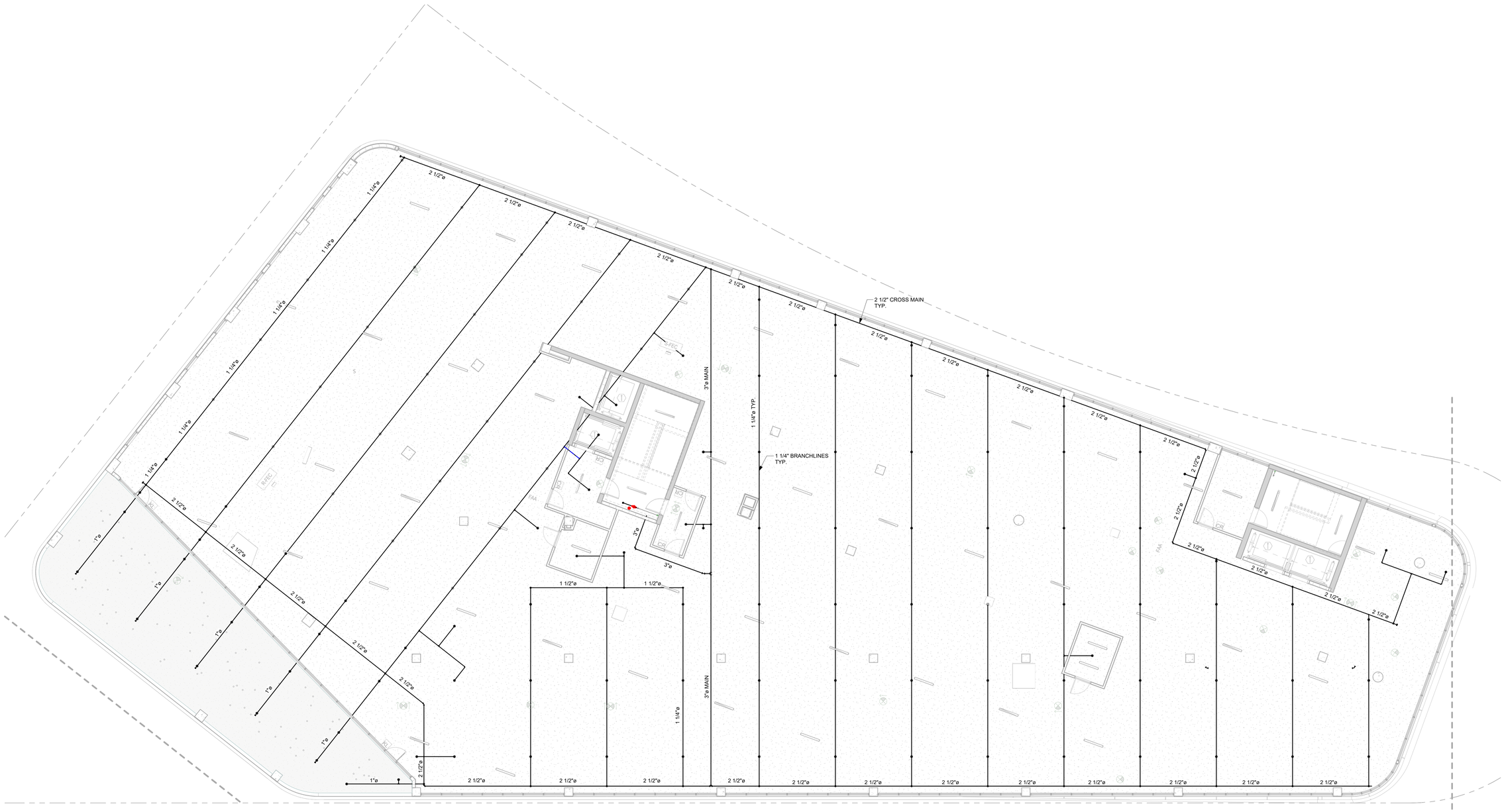
FOURTH FLOOR FIRE PROTECTION PLAN

FP304

TO THE BEST OF THE ARCHITECT'S OR ENGINEER'S KNOWLEDGE, THE PLANS AND SPECIFICATIONS COMPLY WITH THE APPLICABLE MINIMUM BUILDING CODES AND THE APPLICABLE FIRE SAFETY STANDARDS AS DETERMINED BY THE LOCAL AUTHORITY IN ACCORDANCE WITH CHAPTERS 553 AND 633 OF THE FLORIDA STATUTES.



1 LEVEL 5 - FIRE PROTECTION
1/8" = 1'-0"

DESIGN ARCHITECT
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(727) 822-5566 fax (727) 822-5475
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4	PLAN REVIEW	6/30/25

FIFTH FLOOR FIRE PROTECTION PLAN
NEW SHEET

FP305

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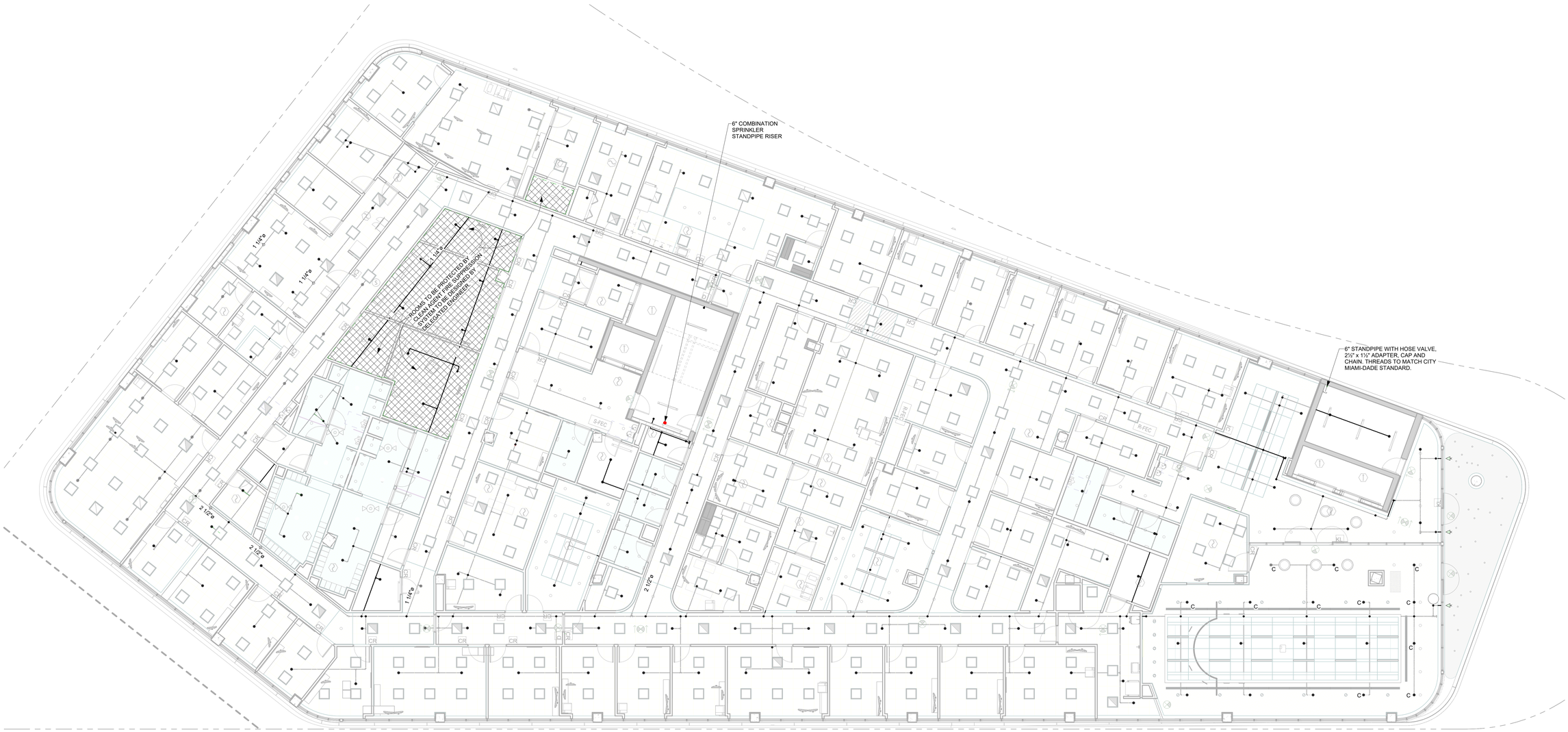

1 LEVEL 6 - FIRE PROTECTION
1/8" = 1'-0"

REVISIONS TO THIS SHEET CONSISTS OF THE FOLLOWING:

1. SHIFTING THE ORIGINAL LEVEL UPWARD ACCORDINGLY TO THE NEW LEVEL ADDED
2. PLAN REVISION
3. PLANTER ELIMINATED

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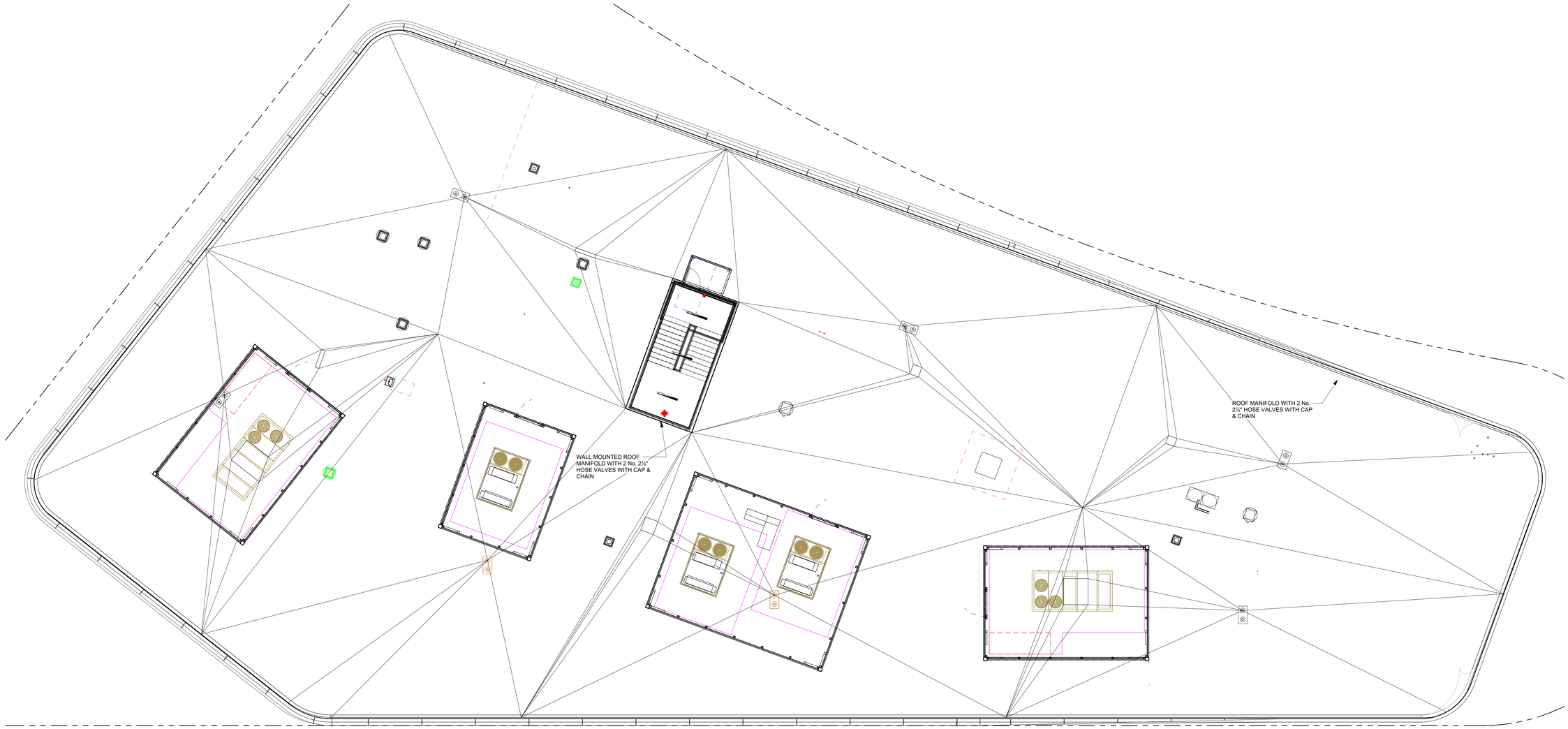
4	PLAN REVIEW	6/30/25

SIXTH FLOOR FIRE PROTECTION PLAN

FP306



1 ROOF PLAN - FIRE PROTECTION
1/8" = 1'-0"

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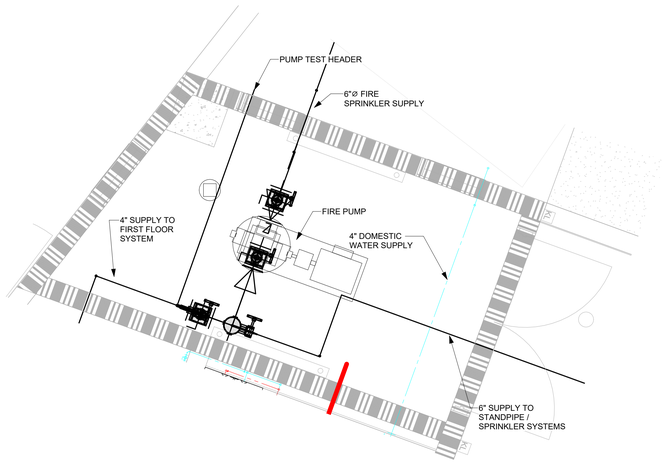

1 ENLARGED FIRE PUMP ROOM PLAN
1/2" = 1'-0"

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ENLARGED FIRE PUMP ROOM PLAN

FP401

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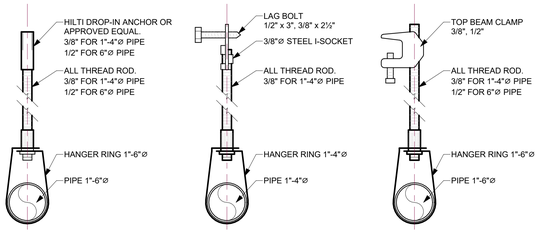


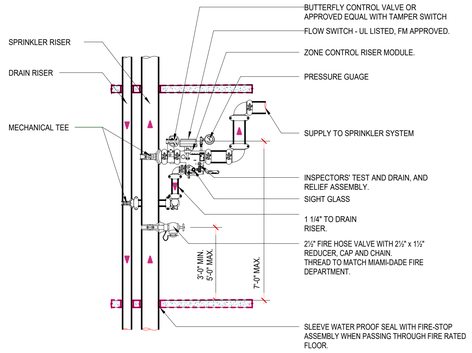
DROP IN ANCHOR DETAIL
SCALE: N.T.S.

LAG BOLT HANGER DETAIL
SCALE: N.T.S.

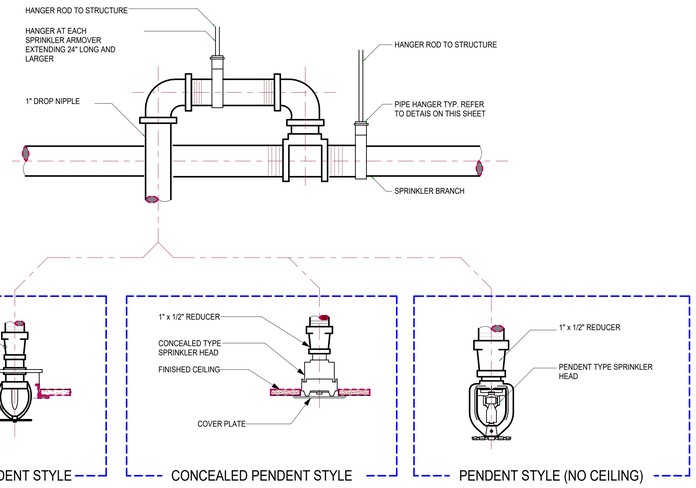
TOP BEAM CLAMP HANGER DETAIL
SCALE: N.T.S.

HANGER SPAN SCHEDULE - STEEL PIPE				HANGER ROD SCHEDULE	
DIA., IN.	SPAN, FT(M)	DIA., IN.	SPAN, FT(M)	PIPE SIZE	ROD SIZE
1	12(3.7)	3	15(4.6)	UP TO 4"	3/8" DIA.
1 1/4	12(3.7)	4	15(4.6)	5", 6" & 8"	1/2" DIA.
1 1/2	15(4.6)	5	15(4.6)	10" AND 12"	5/8" DIA.
2	15(4.6)	6	15(4.6)		
2 1/2	15(4.6)	8	15(4.6)		

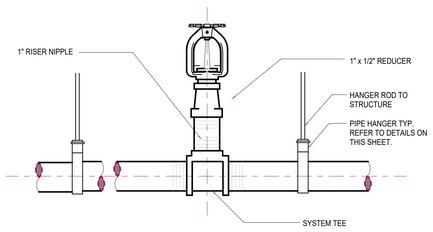
1 HANGER SCHEDULE
1/2" = 1'-0"



TYPICAL SPRINKLER FLOOR CONTROL ASSEMBLY
3 1/2" = 1'-0"



TYPICAL SPRINKLER DROP DETAIL
N.T.S.



TYPICAL UPRIGHT SPRINKLER DETAIL
N.T.S.

2 SPRINKLER HEAD INSTALLATION DETAIL
1/2" = 1'-0"

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FIRE PROTECTION DETAILS

FP601

HOOD INFORMATION – JOB#6773574

HOOD NO	TAG	MODEL	MANUFACTURER	LENGTH	MAX COOKING TEMP	TYPE	APPLIANCE DUTY	DESIGN CFM/FT	TOTAL EXH CFM	EXHAUST PLENUM RISER(S) WIDTH	LENG	HEIGHT	DIA	CFM	VEL	SP	TOTAL SUPPLY CFM	HOOD CONSTRUCTION	HOOD CONFIG END TO END	ROW
1	8B Range	5424 AH-ND-2-PSP-F	ADVANCED HOOD	5' 0"	600 DEG	I	HEAVY	250	1250	10"	12"	4"		1250	1500	-0.599"	1125	430 SS WHERE EXPOSED	ALONE	ALONE

HOOD INFORMATION

HOOD NO	TAG	FILTER(S) TYPE	QTY	HEIGHT	LENGTH	EFFICIENCY @ 7 MICRONS	LIGHT(S) QTY	TYPE	WIRE GUARD	UTILITY CABINET(S) LOCATION	SIZE	FIRE SYSTEM TYPE	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	FIRE SYSTEM PIPING	HOOD HANGING WEIGHT
1	8B Range	CAPTRATE SOLO FILTER	3	20"	16"	85% SEE FILTER SPEC	2	RECESSED ROUND	NO							YES	356 LBS

HOOD OPTIONS

HOOD NO	TAG	OPTION
1	8B Range	FIELD WRAPPER 18.00" HIGH FRONT, LEFT, RIGHT.
		BACKSPLASH 122.00" HIGH X 98.00" LONG 430 SS VERTICAL.
		LEFT END STANDOFF (FINISHED) 1" WIDE 54" LONG INSULATED.
		RIGHT END STANDOFF (FINISHED) 1" WIDE 54" LONG INSULATED.
		SENSOR-CV.

PERFORATED SUPPLY PLENUM(S)

HOOD NO	TAG	POS	LENGTH	WIDTH	HEIGHT	TYPE	RISER(S) WIDTH	LENG	DIA	CFM	SP
1	8B Range	Front	62"	18"	6"	MUA	12"	20"		562	0.172"
						MUA	12"	20"		562	0.172"

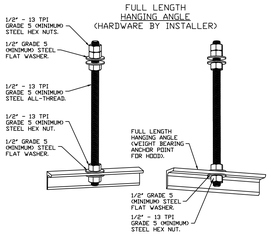
WALL-MOUNT UTILITY CABINET

HOOD NO	LOCATION	SIZE	UTILITY CABINET(S) FIRE SYSTEM TYPE	SIZE	ELECTRICAL MODEL #	SWITCHES QUANTITY	WEIGHT
1	WALL MNT	12"x30"x24"	TANK FS	4.0			200.00 LBS

CLEARANCE TO COMBUSTIBLES

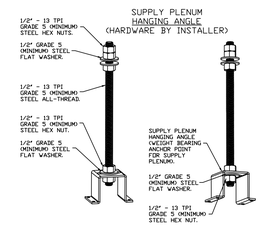
HOODS #	SURFACE	*CLEARANCE
1	TOP	18"
	FRONT	0"
	BACK	18"
	LEFT	0"
	RIGHT	0"

- *0" CLEARANCE TO COMBUSTIBLES CONFORMS TO UL710 STANDARD.



ASSEMBLY INSTRUCTIONS

HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION ABOVE CEILING ANCHORS. SINGLE HEX NUT BENEATH HANGING ANGLE IS ACCEPTABLE FOR FULL LENGTH HANGING ANGLES. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



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WALL-MOUNT UTILITY CABINET
ASSEMBLY INSTRUCTIONS

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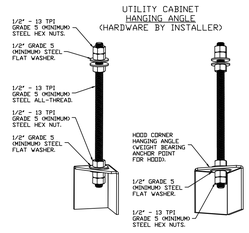
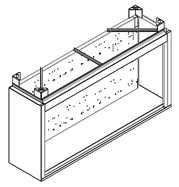
CABINET TO BE HUNG BY HOOD INSTALLER. SEE UTILITY CABINET SCHEDULE FOR CABINET SIZE.





SPECIFICATION: CAPTRATE® GREASE-STOP® SOLO FILTER

THE CAPTRATE GREASE-STOP SOLO FILTER IS A SINGLE-STAGE FILTER FEATURING A UNIQUE S-BAFFLE DESIGN IN CONJUNCTION WITH A SLOTTED REAR BAFFLE DESIGN, TO DELIVER EXCEPTIONAL FILTRATION EFFICIENCY.

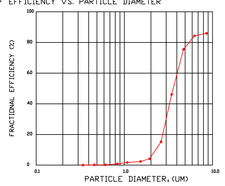
FILTER IS STAINLESS STEEL CONSTRUCTION, AND SIZED TO FIT INTO STANDARD 2-INCH DEEP HOOD CHANNEL(S).

UNITS SHALL INCLUDE STAINLESS STEEL HANDLES AND A FASTENING DEVICE TO SECURE THE TWO COMPONENTS WHEN ASSEMBLED.

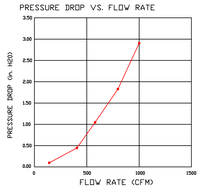
GREASE EXTRACTION EFFICIENCY PERFORMANCE SHALL REMOVE AT LEAST 75% OF GREASE PARTICLES FIVE MICRONS IN SIZE, AND 85% GREASE PARTICLES SEVEN MICRONS IN SIZE AND LARGER, WITH A CORRESPONDING PRESSURE DROP NOT TO EXCEED 1.0 INCHES OF WATER GAUGE.

THE CAPTRATE GREASE-STOP SOLO WAS TESTED TO ASTM STANDARD ASTM F2519-05. MANUFACTURER APPROVED FOR USE IN SOLID FUEL APPLICATIONS AS A SPARK ARRESTER.

EFFICIENCY VS. PARTICLE DIAMETER



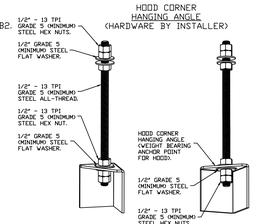
PRESSURE DROP VS. FLOW RATE



CAPTRATE FILTERS ARE BUILT IN COMPLIANCE WITH:
NFPA #96.
NSF STANDARD #2.
UL STANDARD #1046.
INT. MECH. CODE (IMC).
ULC-S649.

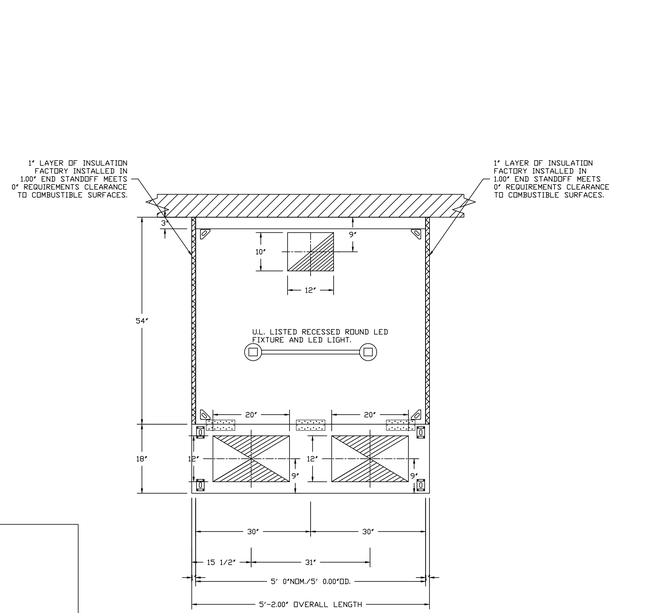
PATENT NUMBERS

AC-PSP (UNITED STATES) - US PATENT 7963830 B2.
AC-PSP WALL (CANADA) - CA PATENT 2820509.
AC-PSP ISLAND (CANADA) - CA PATENT 2520330.



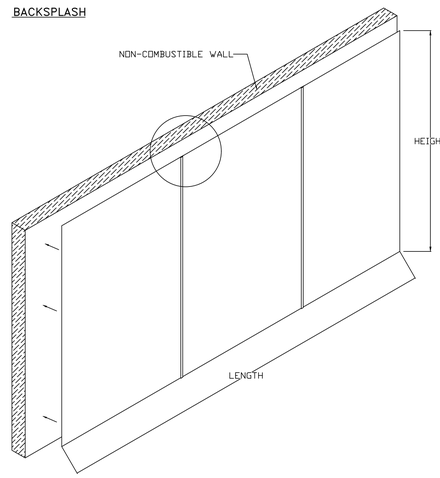
ASSEMBLY INSTRUCTIONS

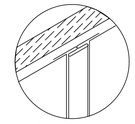
HANGING ANGLE MUST BE SUPPORTED WITH 1/2" - 13 TPI GRADE 5 (MINIMUM) ALL-THREAD. SANDWICH HANGING ANGLES AND CEILING ANCHOR POINTS WITH 1/2" GRADE 5 (MINIMUM) STEEL FLAT WASHERS AND 1/2" - 13 TPI GRADE 5 (MINIMUM) HEX NUTS AS SHOWN. MUST USE DOUBLED HEX NUT CONFIGURATION BENEATH HOOD HANGING ANGLES AND ABOVE CEILING ANCHORS. MAINTAIN 1/4" OF EXPOSED THREADS BENEATH BOTTOM HEX NUT. TORQUE ALL HEX NUTS TO 57 FT-LBS.



PLAN VIEW – HOOD #1 (8B Range)
5' 0.00" LONG 5424AH-ND-2-PSP-F

BACKSPLASH





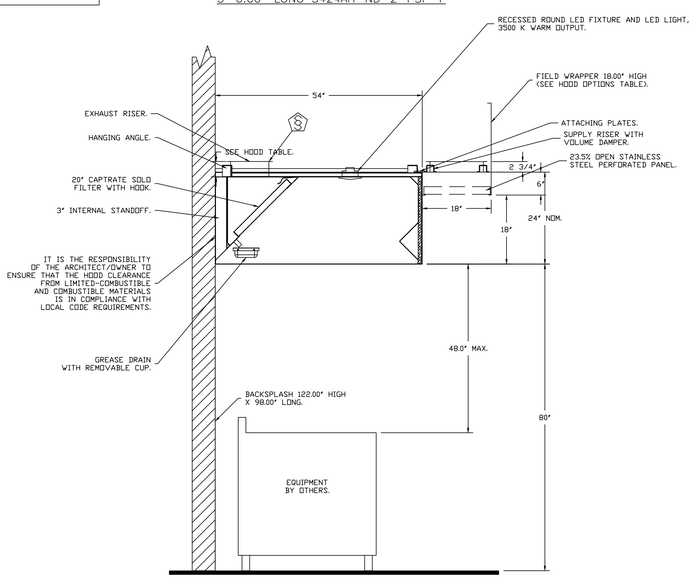
BACKSPLASH PANELS SLIDE INTO DIVIDER BAR

- BACKSPLASH IS NOT INSULATED AND IS UNSUITABLE FOR INSTALL AGAINST COMBUSTIBLE WALLS

VERIFY CEILING HEIGHT

__' - __"

HEIGHT REQUIRED TO VERIFY THAT HOOD FITS SPACE AND TO SIZE THE ENCLOSURE PANELS



SECTION VIEW – MODEL 5424AH-ND-2-PSP-F
HOOD – #1 (8B Range)

AHS HOODS ARE BUILT IN COMPLIANCE WITH

NFPA #96
NSF
UL 710 & ULC710 STANDARDS
E.T.L. LISTED 3054804-001

IMC 2021
SECTIONS 507, 508, & 509

FOR ANY QUESTIONS RELATED TO THE EQUIPMENT CONTAINED IN THIS DRAWING, PLEASE CONTACT ADVANCED HOOD SYSTEMS @ 954-218-2437.

REVISIONS

	DESCRIPTION	DATE:
△		
△		
△		
△		

ADVANCED HOOD SYSTEMS
Advanced Hoods Systems, LLC
, FL PHONE: FAX: 9192275974 EMAIL: sydney@advancedhoodsystems.com

North Bay Village Fire Station #27 - REV1
MIAMI BEACH, FL, 33141

DATE: 5/2/2024
DWG.#: 6773574
DRAWN BY: SPD'-140
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 1

FIRE SYSTEM INFORMATION – JOB#6773574

FIRE SYSTEM NO	TAG	TYPE	SIZE	MAX FP	DESIGN FP	INSTALLATION	
						SYSTEM	LOCATION ON HOOD
1		TANK FS	4.0	20	16	WALL UTILITY CABINET LEFT	N/A

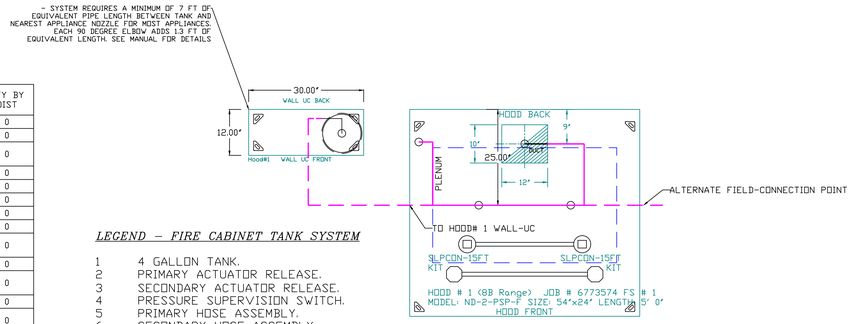
GAS VALVE(S)

FIRE SYSTEM NO	TAG	TYPE	SIZE	SUPPLIED BY
1		SC ELECTRICAL	2.000	ADVANCED HOOD SYSTEMS, LLC

FIRE SYSTEM PARTS LIST KEY

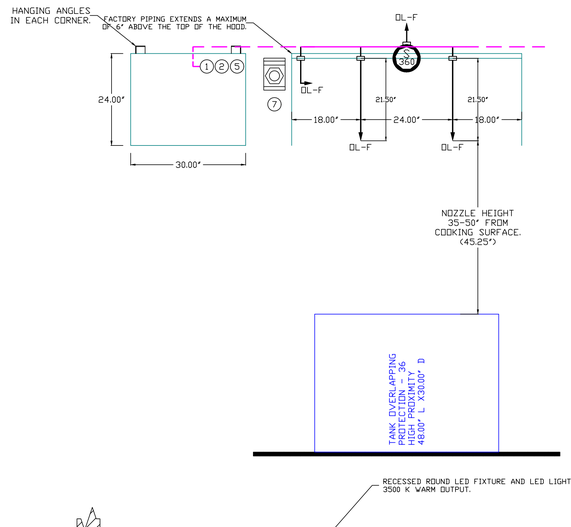
FIRE SYSTEM NO	TAG	KEY NUMBER - PART DESCRIPTION	QTY BY FACTORY	QTY BY DIST
1		0 - 0 - TANK FIRE SUPPRESSION MAINTENANCE GUIDE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - TANK FIRE SUPPRESSION POST-DISCHARGE PROCEDURE UTILITY CABINET LABEL SHEET.	1	0
		0 - 0 - 12-F28021-32144-DT-360 DUCT FIRE THERMOSTAT WITH 12 FOOT WIRE LEADS. NO, CLOSE ON TEMP RISE AT 360°F.	1	0
		0 - 0 - 4429K153 1/2" MALE NPT TO 1/2" FEMALE NPT ELBOW, BRASS.	1	0
		0 - 0 - 4429K422 1/2" X 1/4" BRASS REDUCING BUSHING.	1	0
		0 - 0 - 79525 1/2" 90 PRD-PRESS ELBOW WITH 1/2" NPT FEMALE CONNECTION, VIEGA.	1	0
		0 - 0 - 79580 1/2" X 1/2" PRD-PRESS TEE X 1/2" NPT FEMALE CONNECTION, VIEGA.	1	0
		0 - 0 - 87-300001-001 TANK - PRESSURIZED TANK USED FOR TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300030-001 PRIMARY ACTUATOR KIT (PAK) - ACTUATOR AND RELEASE SOLENOID ASSEMBLY, ONE NEEDED PER FIRE SYSTEM, SUPERVISED, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - 87-300152-001 HARDWARE, SVA BOLTS, TANK FIRE SUPPRESSION.	4	0
		0 - 0 - 98694A115 HARDWARE, DATANKLOCK LOCKING BRACKET SQUARE NUTS 5/16" ZINC, TANK FIRE SUPPRESSION.	2	0
		0 - 0 - A0034332 JUNCTION BOX FOR MANUAL PULL STATION. 1.5" DEEP BACK BOX, RED COLOR.	1	0
		0 - 0 - A31484 1/4" NPT SCHRADER VALVE AND CAP, JB INDUSTRIES. 1/4" FLARE X 1/4" MPT HALF UNION. USED ON TANK SERVICE PORT.	1	0
		0 - 0 - DATANKLOCK DISCHARGE ADAPTER TANK LOCKING PLATE FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - SLPCON-15FT SUPERVISED LOOP CONNECTION KIT. CONTAINS THE PARTS NEEDED TO CONNECT THE SUPERVISED LOOP BETWEEN END TO END HOODS WITH LESS THAN A 14' GAP OR BACK TO BACK HOODS. KIT CONTAINS 17 FEET OF BLACK MG WIRE, 17 FEET OF TAN MG WIRE, 15 FEET OF FLEXIBLE CONDUIT, AND TWO 7/8" CONNECTORS.	2	0
		0 - 0 - TANK STRAP TANK STRAP - USED FOR TANK FIRE SUPPRESSION.	3	0
		0 - 0 - TFS-UCTANKBRACKET TANK BRACKET FOR FIRE SYSTEM TANK INSTALLATION IN UTILITY CABINETS, TANK FIRE SUPPRESSION.	1	0
		0 - 0 - VK-283952-000 DISCHARGE ADAPTER, TANK FIRE SUPPRESSION.	1	0
		34 - 34 - A0034331 24VDC SINGLE ACTION MANUAL ACTUATION DEVICE (PUSH/PULL STATION) WITH PROTECTIVE COVER, ONE (1) NORMALLY OPEN CONTACT. RED COLOR.	1	0

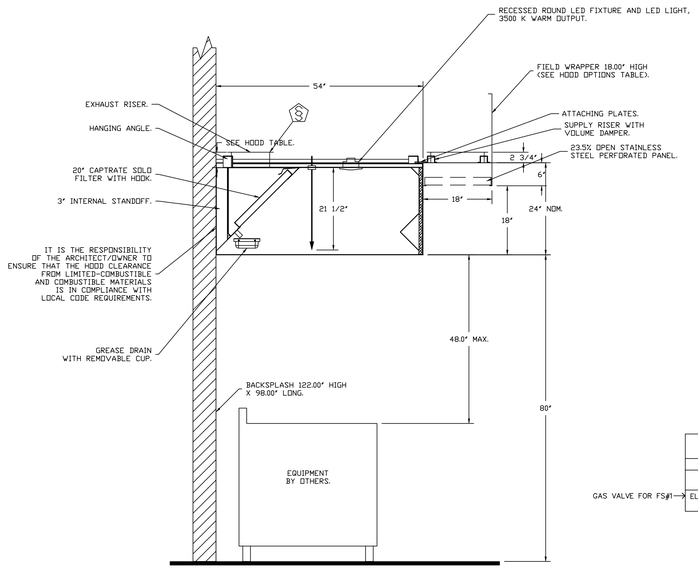
INCLUDES: FIELD INSTALLATION AND HOOKUP DURING NORMAL BUSINESS HOURS BY CERTIFIED INSTALLERS ONLY IN THE LOCATION NOTED ABOVE, TWO SITE VISITS ONLY (ONE VISIT TO SET PULL STATION & SYSTEM HOOKUP AND ONE VISIT FOR ONE TEST; ADDITIONAL VISITS WILL RESULT IN ADDITIONAL CHARGES), ONE MECHANICAL OR ELECTRICAL GAS VALVE PER SYSTEM AT A MAXIMUM SIZE OF 2", PERMIT, AND SYSTEM TEST.
EXCLUDES: UNION LABOR & PREVAILING WAGE (LABOR & WAGES WILL BE ADDED IF APPLICABLE), GAS VALVE INSTALLATION, ELECTRICAL HOOKUP AND CONNECTIONS, HANGING OF FIRE CABINET, SHUNT TRIP, HANDHELD EXTINGUISHER(S), ON-SITE RE-PIPING DUE TO EQUIPMENT LAYOUT CHANGES.



LEGEND – FIRE CABINET TANK SYSTEM

1 4 GALLON TANK.
2 PRIMARY ACTUATOR RELEASE.
3 SECONDARY ACTUATOR RELEASE.
4 PRESSURE SUPERVISION SWITCH.
5 PRIMARY HOSE ASSEMBLY.
6 SECONDARY HOSE ASSEMBLY.
7 REMOTE MANUAL ACTUATION DEVICE.





SECTION VIEW – MODEL 5424AH-ND-2-PSP-F HOOD – #1

NOTES
- FIELD PIPE DROPS AS SHOWN
  PIPING, ELBOWS, TEES, AND NOZZLES SUPPLIED BY CAS.
- FIELD INSTALLED DROP: FACTORY WILL PROVIDE QTY 2 60IN LONG PIECES OF CHROME PLATED PIPING SHIPPED LOOSE TO BE FIELD-INSTALLED.
- SHIP LOOSE DROP: FACTORY WILL PROVIDE THE EXACT CHROME PIPE LENGTH NEEDED SHIPPED LOOSE TO BE FIELD-INSTALLED.
- RELOCATE NOZZLES IF FLOW PATTERN IS BLOCKED BY SHELVING, SALAMANDERS, ETC.
- OVERLAPPING COVERAGE SHALL NOT BE USED ON ANY APPLIANCE WITH AN OBSTRUCTION.
- IF APPLICABLE, EXTENDED PRE-PIPED DROPS ARE SHIPPED LOOSE.
- FACTORY PIPING EXTENDS A MAXIMUM OF 6" ABOVE THE TOP OF THE HOOD.

- APPLIANCE DIMENSIONS LISTED REPRESENT THE COOKING SURFACE SIZE, NOT THE OVERALL APPLIANCE SIZE.

- THIS FIRE SYSTEM COMPLIES WITH U.L. 300 REQUIREMENTS.

- DL-F NOZZLE PART NUMBER REPLACES 3070-3/8H-10-SS

JOB #: 6773574.
JOB NAME: NORTH BAY VILLAGE FIRE STATION #27.

SYSTEM SIZE: TANK-SP-1-WC DESIGN FP: 16. MAXIMUM FP: 20.
HOOD # 1 5' 0.00" LONG x 54" WIDE x 24" HIGH.
RISER # 1 SIZE: 10" x 12".
HOOD # 1 METAL BLOW-OFF CAPS INCLUDED.

- HEAVY-DUTY APPLIANCES (RATED 600°F) WILL REQUIRE AN ADDITIONAL DOWNSTREAM FIRESTAT IN THE EVENT THAT THE DUCTWORK CONTAINS ANY HORIZONTAL RUNS OVER 25 FT IN LENGTH.
- MEDIUM TO LIGHT-DUTY APPLIANCES (RATED 450°F) WILL NOT REQUIRE ANY ADDITIONAL DOWNSTREAM DETECTION.

GAS VALVE FOR FS#1

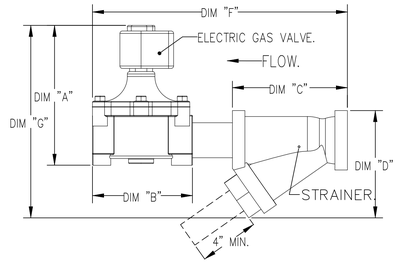
GAS VALVES AND STRAINERS															
GAS VALVE SIZING							GAS VALVE DIMENSIONS						INSTALLATION	PART NUMBERS		
TYPE	SIZE	VOLTAGE	MIN. INLET PRESSURE	MAX. INLET PRESSURE	FLOW AT 1 IN.W.C. DROP NATURAL GAS	FLOW AT 1 IN.W.C. DROP PROPANE	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "F"	DIM "G"	MOUNTING ORIENTATION	GAS VALVE PART NUMBER	STRAINER PART NUMBER	GAS VALVE/STRAINER KIT
ELECTRICAL	2"	120 VAC	0 PSI (0 IN.W.C.)	5 PSI (1.38 IN.W.C.)	2,940,500 BTU/HR	1,908,048 BTU/HR	7-5/8"	6-3/8"	7-1/4"	7-13-16"	15-5/8"	13-15/16"	HORIZONTAL/ VERTICAL	8214280	4417K68	(SC)EGVA2

ALL GAS VALVES/STRAINERS

PROPER CLEARANCE MUST BE PROVIDED IN ORDER TO SERVICE THE STRAINERS A MINIMUM OF 4" CLEARANCE DISTANCE MUST BE PROVIDED AT THE BASE OF THE STRAINER CUSTOMER MUST VERIFY BTU CONSUMPTION AS WELL AS PRESSURE RATING SPECIFIC GRAVITY OF NATURAL GAS = 0.64, SPECIFIC GRAVITY OF LP = 1.52.

CALCULATIONS

TO CALCULATE GAS FLOW FOR OTHER THAN 1 IN.W.C. PRESSURE DROP
NEW BTU/HR = (BTU/HR AT 1 IN.W.C. PRESSURE DROP) X NEW PRESSURE DROP$^{0.5}$
TO CALCULATE GAS FLOW FOR OTHER THAN 0.64 SPECIFIC GRAVITY
NEW BTU/HR = (BTU/HR AT 0.64) X (0.64 / NEW SPECIFIC GRAVITY)$^{0.5}$.



REVISIONS

	DESCRIPTION	DATE:
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△		

ADVANCED HOOD SYSTEMS
Advanced Hoods Systems, LLC
. FL. PHONE: FAX: 9192275974 EMAIL: sydney@advancedhoodsystems.com

North Bay Village Fire Station #27 - REV1
MIAMI BEACH, FL, 33141

DATE: 5/2/2024
DWG.#: 6773574
DRAWN BY: SPD'-140
SCALE: 3/4" = 1'-0"
MASTER DRAWING

SHEET NO. 2

EXHAUST FAN INFORMATION – JOB#6773574

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	MANUFACTURER	CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	DISCHARGE VELOCITY	WEIGHT (LBS)	SONES
1	KEF-1	1	AH-DU8SHFA	ADVANCED HOOD	1250	1.250	1312	ODP	0.750	0.4090	3	208	2.6	396 FPM	95	10.7

CONDENSER DETAILS

FAN UNIT NO	TAG	FAN UNIT MODEL #	CONDENSER NO	TONNAGE	VOLTAGE	PHASE	FREQUENCY	MCA	RLA	MAX FUSE SIZE	MIN WIRE SIZE	SEER
2	KSF-1	AH-A1-15D-MPU	1	3	208-230	3 PHASE	60 HZ	14.5 AMPS	11.9 AMPS	20 AMPS	14 AWG	14

MUA FAN INFORMATION – JOB#6773574

FAN UNIT NO	TAG	QTY	FAN UNIT MODEL #	BLOWER	HOUSING	MIN CFM	DESIGN CFM	ESP	RPM	MOTOR ENCL	HP	BHP	PHASE	VOLT	FLA	MCA	MOCP	WEIGHT (LBS)	SONES
2	KSF-1	1	AH-A1-15D-MPU	15MF-1-MOD	A1	1100	1125	0.500	1346	ODP	0.500	0.3640	3	208	1.9	2.4A	15A	1010	13.2

COILS – JOB#6773574

FAN UNIT NO	TAG	COIL TYPE	DESIGN CFM	COOLING										HEATING								
				ENTERING DB TEMP	ENTERING WB TEMP	LEAVING DB TEMP	LEAVING WB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	TOTAL CAPACITY	SENSIBLE CAPACITY	LATENT CAPACITY	ENTERING DB TEMP	LEAVING DB TEMP	ENTERING FLUID TEMP	LEAVING FLUID TEMP	FLUID FLOW RATE	PERCENT GLYCOL	STEAM PRESSURE	TOTAL CAPACITY	SENSIBLE CAPACITY
2	KSF-1	DX	1125	91.0°F	78.0°F	76.2°F	70.7°F	---	---	---	---	32.7 MBH	17.7 MBH	15.0 MBH	---	---	---	---	---	---	---	---	---

FAN OPTIONS

FAN UNIT NO	TAG	QTY	DESCRIPTION
1	KEF-1	1	GREASE BOX
		1	MIAMI DADE CERTIFICATION – NOA-1 ALUMINUM UPBLAST
		1	2 YEAR PARTS WARRANTY
2	KSF-1	1	MIAMI DADE CERTIFICATION – NOA-2 SUPPLY
		1	3 TON SINGLE CIRCUIT MODULAR PACKAGED COOLING OPTION FOR SIZE 1 MUA (1,100 TO 1,800 CFM), 208V/230V, 3 PHASE. COOLING THERMOSTAT OR PROGRAMMABLE STAT REQUIRED FOR PROPER OPERATION
		1	INSULATED BLOWER SECTION SIZE 1-2 COMMERCIAL
		1	MOD PACKAGE UNIT AC CONTROLS FOR UNTEMPERED FANS
		1	MIXING BOX SHELL FOR SIZE 1 MOD PACKAGE UNIT CONDENSER SUPPORT
		1	SEPARATE 120V WIRING PACKAGE (REQUIRED AND USED ONLY FOR DCV OR PREWIRE WITH VFD) – THREE PHASE ONLY
		1	INSULATION OPTION FOR VBANK FILTER SECTION
		1	A1 INDOOR HANGING OPTION – INCLUDES 2 HSA125 HANGING SPRING ISOLATORS PER UNI-STRUT
		1	SHIP CONDENSER LOOSE – SINGLE CONDENSER, THREE PHASE – CONDENSER DISCONNECT SHIPPED LOOSE. ALL PIPING AND WIRING BETWEEN INDOOR AND OUTDOOR UNITS BY OTHERS
		1	2 YEAR PARTS WARRANTY

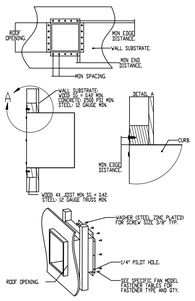
FAN ACCESSORIES

FAN UNIT NO	TAG	EXHAUST			SUPPLY			
		GREASE CUP	GRAVITY DAMPER	WALL MOUNT	SIDE DISCHARGE	GRAVITY DAMPER	MOTORIZED DAMPER	WALL MOUNT
1	KEF-1	YES						
2	KSF-1				YES			

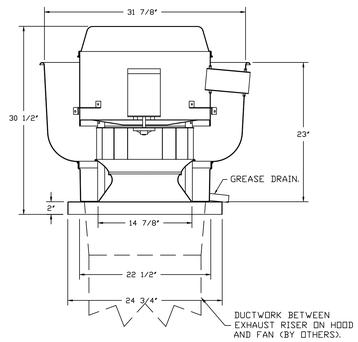
CURB ASSEMBLIES

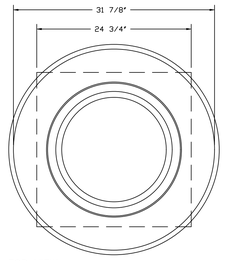
NO	ON FAN	TAG	WEIGHT	ITEM	SIZE
1	# 1	KEF-1	70 LBS	CURB	23.000"W X 23.000"L X 26.000"H VENTED HINGED 16 GAUGE.

MIAMI-DADE COUNTY –
WALL CURB INSTALLATION GUIDE



FAN #1 AH-DU8SHFA – EXHAUST FAN (KEF-1)





TOP VIEW

FEATURES:

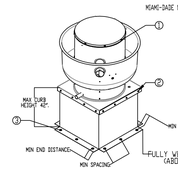
- DIRECT DRIVE CONSTRUCTION (NO BELTS/PULLEYS).
- ROOF MOUNTED FANS.
- RESTAURANT MODEL.
- UL705 AND UL762 AND ULC-S645
- VARIABLE SPEED CONTROL.
- INTERNAL WIRING.
- THERMAL OVERLOAD PROTECTION (SINGLE PHASE).
- HIGH HEAT OPERATION 300°F (149°C).
- GREASE CLASSIFICATION TESTING.
- NEMA 3R SAFETY DISCONNECT SWITCH.

NORMAL TEMPERATURE TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING AIR AT 300°F (149°C) UNTIL ALL FAN PARTS HAVE REACHED THERMAL EQUILIBRIUM, AND WITHOUT ANY DETERIORATING EFFECTS TO THE FAN WHICH WOULD CAUSE UNSAFE OPERATION.

ABNORMAL FLARE-UP TEST
EXHAUST FAN MUST OPERATE CONTINUOUSLY WHILE EXHAUSTING BURNING GREASE VAPORS AT 600°F (316°C) FOR A PERIOD OF 15 MINUTES WITHOUT THE FAN BECOMING DAMAGED TO ANY EXTENT THAT COULD CAUSE AN UNSAFE CONDITION.

OPTIONS
- GREASE BOX.
- MIAMI DADE CERTIFICATION – NOA-1 ALUMINUM UPBLAST.
- 2 YEAR PARTS WARRANTY.

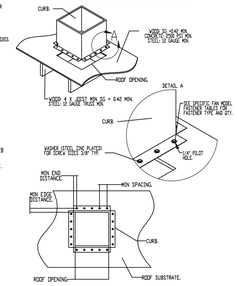
MIAMI-DADE NOA1 ALUMINUM UP-BLAST FANS



GENERAL NOTES:
1. THIS APPROVAL IS FOR THE STRUCTURAL CAPACITY AND IMPACT RATING OF THE EXTERIOR HOUSING ONLY. IT DOES NOT INCLUDE ANY INTERIOR MECHANICAL OR ELECTRICAL PART.
2. THESE FANS HAVE NOT BEEN WIND TESTED FOR WIND DRIVEN RAIN TEST PER FLORIDA BUILDING CODE, TAS200 (94-95).
3. TESTED IN ACCORDANCE TO FLORIDA BUILDING CODE TEST PROTOCOL TAS280, TAS360, TAS220.
4. TESTED FOR AREAS INCLUDING HIGH VELOCITY HURRICANE ZONES.
5. TESTED UNDER MIAMI-DADE COUNTY NOTIFICATION NUMBER NTI-08033.

INSTALLATION INSTRUCTIONS:
1. SECURE 1/2" PLYWOOD OR (4)-2"x6" PT OR PLATED STEEL SELF DRILLING SCREWS TO TOP OF CURB WITH RUBBER WASHER SPACED EVENLY AROUND LID.
2. SECURE FAN BASE TO CURB USING (4) 3/8" STAINLESS SELF DRILLING SCREWS EASY OR BETTER THROUGH PRE-DRILLED HOLES IN THE FAN BASE. (SEE TABLE BELOW FOR QTY).
3. SECURE CURB TO ROOF OR WALL BY DRILLING 1/4" DIA PILOT HOLES IN THE CURB FLANGE AT LOCATIONS SHOWN ON DRAWING. SELECT THE CORRECT FASTENER FOR YOUR SPECIFIC BUILDING TYPE. USE TABLE BELOW FOR FASTENER QTY.

MIAMI-DADE COUNTY –
CURB ROOF INSTALLATION GUIDE



CURB MATERIAL:
20" HIGH & LESS = 20 GA. STEEL
ABOVE 20" THRU 42" = 16 GA. STEEL

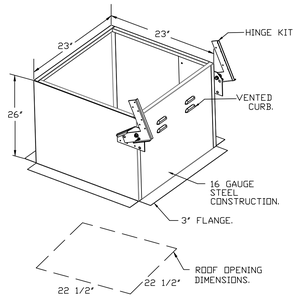
DESIGN PRESSURE: +35.0 / -35.0 PSF.
LARGE MISSILE IMPACT RESISTANT.

INSTALLATION FASTENER TYPES

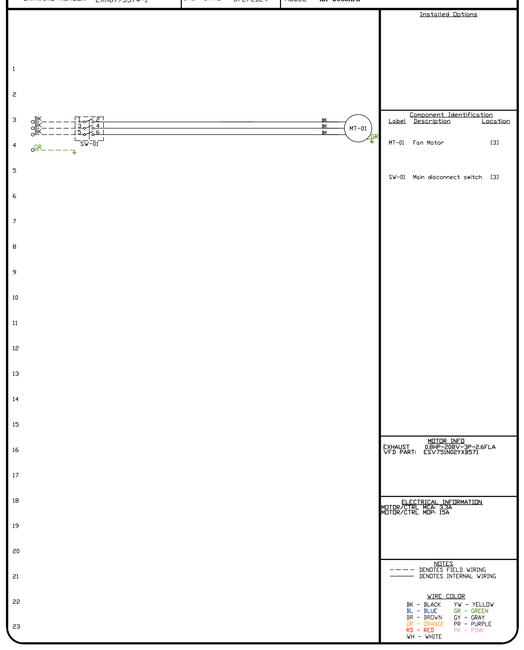
FASTENER	FAN TO CURB	WOOD (SG = 0.42 MIN.)	STEEL (12 GAUGE MIN.)	CONCRETE (2500 PSI MIN. CRACKED CONCRETE)
	5/16"-18 X 2" SELF DRILLING SCREW (ELCO DRIL-FLEX OR BETTER)	3/8" DIA. ZINC PLATED LAG BOLT	1/4"-14 DRIL-FLEX SELF DRILLING SCREW	3/8" DIA. SS HILTI KWIK BOLT TZ EXPANSION ANCHOR
MINIMUM THREAD PENETRATION	N/A	2-1/2"	12 GAUGE	2"
MINIMUM EDGE DISTANCE	N/A	1-1/2"	3/8"	3"
MINIMUM END DISTANCE	N/A	2-5/8"	3/8"	3"
MINIMUM SPACING	N/A	3-1/2"	3/4"	5-1/2"

INSTALLATION FASTENER QTY

	CURB TO FAN (ROOF)		CURB TO FAN (WALL)		WOOD (ROOF)		WOOD (WALL)		STEEL (ROOF)		STEEL (WALL)		CONCRETE (ROOF)		CONCRETE (WALL)	
FAN MODEL	PER SIDE	TOTAL	PER SIDE	TOTAL	PER SIDE	TOTAL	PER SIDE	TOTAL	PER SIDE	TOTAL	PER SIDE	TOTAL	PER SIDE	TOTAL	PER SIDE	TOTAL
DU8S	3	12	3	12	4	16	4	16	5	20	5	20	4	16	4	16



Exhaust Fan Wiring	JOB 6773574 – North Bay Village Fire Statio…	
DRAWING NUMBER EXH6773574-1	SHIP DATE 5/2/2024	MODEL AH-DU8SHFA



REVISIONS

	DESCRIPTION	DATE:
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ADVANCED HOOD SYSTEMS
Advanced Hoods Systems, LLC
, FL. PHONE: FAX: 9192275974 EMAIL: sydney@advancedhoodsystems.com

North Bay Village Fire Station #27 – REV1
MIAMI BEACH, FL, 33141

DATE: 5/2/2024

DWG.#: 6773574

DRAWN BY: SPD'-140

SCALE: 3/4" = 1'-0"

MASTER DRAWING

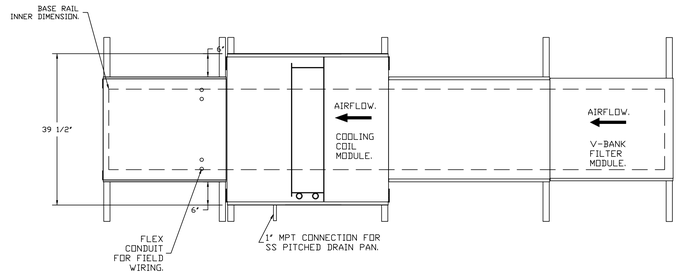
SHEET NO. 3

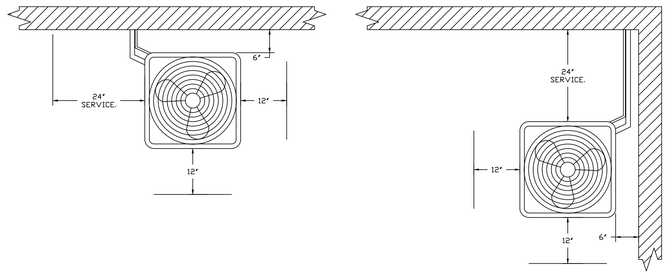
FAN #2 AH-A1-15D-MPU - SUPPLY FAN (KSF-1)
1. SUPPLY UNIT WITH 15" MIXED FLOW DIRECT DRIVE FAN IN SIZE #1 HOUSING.
2. V-BANK EZ FILTERS - INDOOR.
3. SIDE DISCHARGE - AIR FLOW RIGHT -> LEFT.
4. MIAMI DADE IMPACT AND WIND LOAD CERTIFICATION +30 / -130 PSF - MIAMI DADE COUNTY PRODUCT CONTROL APPROVED. FLORIDA BUILDING CODE APPROVAL. ROOF MOUNT EXHAUST CURBS UP TO 20" HIGH MUST BE 18 GAUGE ALUMINIZED.
5. 3 TON, SINGLE CIRCUIT MODULAR PACKAGED COOLING OPTION FOR SIZE 1 MODULAR PACKAGED UNIT. INCLUDES CONDENSER, DX COIL, FILTER/DRYER KIT, THERMAL EXPANSION VALVE. (1,100 TO 1,800 CFM) WHEN ORDERED WITH OPPOSITE AIRFLOW CONDENSERS ACCESS AND COIL PIPING WILL REMAIN IN STANDARD POSITION. DRAIN AND SLEDS WILL MOVE TO THE OPPOSITE SIDE. ANY OTHER CHANGE WILL REQUIRE CLI. CONDENSERS REQUIRE SEPARATE 208V, 3 PHASE POWER SUPPLY UNLESS ORDERED WITH SINGLE POINT CONNECTION COIL = 2EZ1001N.
6. INSULATED BLOWER HOUSING SIZES 1-2 COMMERCIAL MODULAR.
7. CONTROL PACKAGE FOR MOD PACKAGE UNIT COOLING ONLY UNIT. INCLUDES AIRFLOW PROVING SWITCH, RTULINK-ACHP BOARD AND TERMINAL BLOCKS.
8. SUPPORT SHELL FOR SIZE 1 MODULAR PACKAGE UNIT. INCLUDES CONTROL VESTIBULE. INCLUDES CONDENSER SUPPORTS. DOES NOT INCLUDE RETURN AIR OR INLET AIR DAMPER.
9. SEPARATE 120VAC WIRING PACKAGE FOR MAKE-UP AIR UNITS. OPTION MUST BE SELECTED WHEN MOUNTING VFD IN PREWIRE PANEL OR WITH DCV PACKAGE. PROVIDES SEPARATE 120VAC INPUT TO SUPPLY FAN. THIS 120V SIGNAL MUST BE RUN BY ELECTRICIAN FROM DCV TO MUA SWITCH.
10. "INSULATION" FOR V-BANK INTAKE OPTION.
11. INDOOR HANGING CRADLE FOR THE SIZE 1 UNTEMPERED UNIT. 2 HSA125 HANGING ISOLATORS PER UNI-STRUT INCLUDED.
12. SHIP CONDENSER LOOSE. THE REFRIGERATION LINES WILL NEED TO BE STUBBED OUT 12 INCHES. THE SUCTION LINE NEEDS TO BE INSULATED INSIDE THE COIL MODULE. ROTARY DISCONNECT SHOULD NOT BE INSTALLED ON THE POST, BLANK POST SHOULD BE USED IN PLACE. ALL PIPING AND WIRING BETWEEN INDOOR AND OUTDOOR UNITS BY OTHERS.
13. HINGED DOUBLE WALL INSULATED DOOR ASSEMBLY (BURNER/BLOWER/MPU SECTIONS.
14. 2 YEAR PARTS WARRANTY.

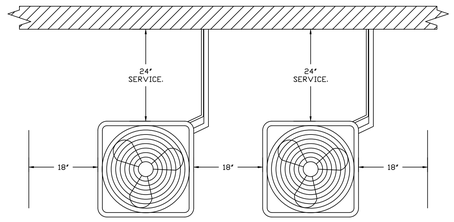
*NOTE: SUPPLY DUCT MUST BE INSTALLED TO MEET SMACNA STANDARDS. A MINIMUM STRAIGHT DUCT LENGTH MUST BE MAINTAINED DOWNSTREAM OF UNIT DISCHARGE AS OUTLINED IN AMCA PUBLICATION 201. WHEN USING RECTANGULAR DUCTWORK, ELBOWS MUST BE RADIUS THROAT, RADIUS BACK WITH TURNING VANES. FLEXIBLE DUCTWORK AND SQUARE THROAT/SQUARE BACK ELBOWS SHOULD NOT BE USED. ANY TRANSITION AND/OR TURNS IN THE DUCTWORK WILL CAUSE SYSTEM EFFECT. SYSTEM EFFECT WILL DRASTICALLY INCREASE STATIC PRESSURE AND REDUCE AIRFLOW. DO NOT RELY ON UNIT TO SUPPORT DUCT IN ANY WAY. FAILURE TO PROPERLY SIZE DUCTWORK MAY CAUSE SYSTEM EFFECTS AND REDUCE PERFORMANCE OF THE EQUIPMENT. SUGGESTED STRAIGHT DUCT SIZE IS 20" x 20".

**NOTE: CONDENSERS SHIPPED LOOSE FOR REMOTE MOUNTING. ALL WIRING AND PIPING BETWEEN INDOOR AND OUTDOOR UNIT TO BE COMPLETED BY OTHERS.



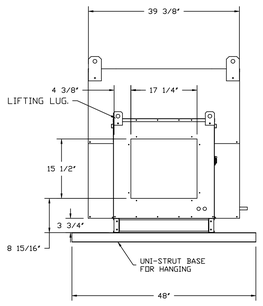


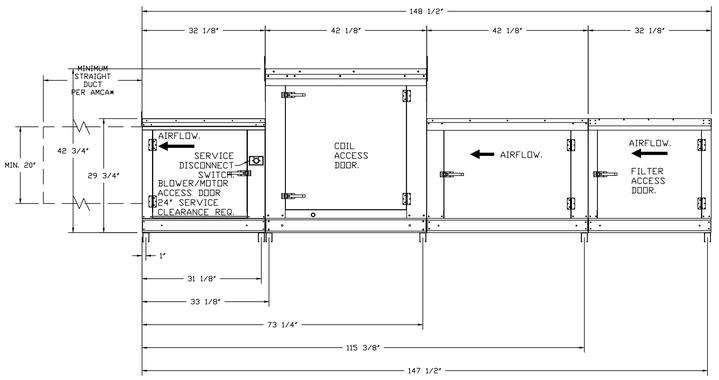


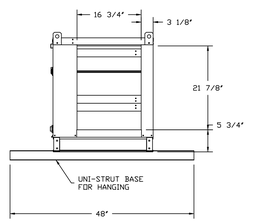


CONDENSER CLEARANCES

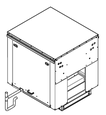
48" CLEARANCE REQUIRED ABOVE CONDENSERS.
(NOTE: **CONDENSERS SHOWN HERE ARE NOT DRAWN AT SCALE).



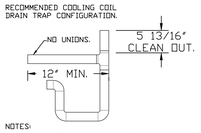




TYPICAL DRAIN TRAP INSTALL.

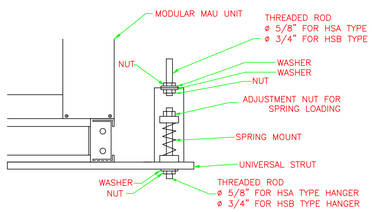


RECOMMENDED COOLING COIL DRAIN TRAP CONFIGURATION.



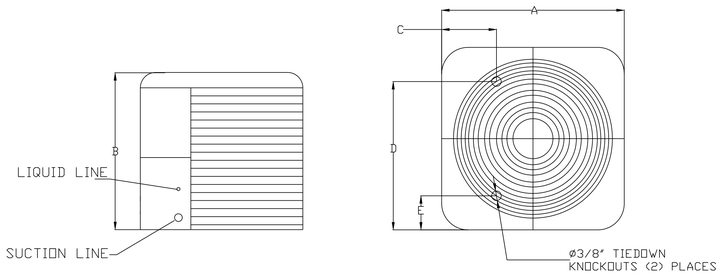
NOTES:
1) 1" DIAMETER PVC PIPE ONLY.
2) USE ONLY LOW PROFILE COUPLINGS.
3) ADD CLEAN OUT AS SHOWN.

TYPICAL "HS" UNIT SPRING MOUNTING



NOTE: TWO HANGERS PER UNIVERSAL STRUT

DIRECT FIRED		INDIRECT FIRED		ELECTRIC		PCU-3&4+KB		PCU-1&2+KB	
SIZE	SPRING	SIZE	SPRING	SIZE	SPRING	SIZE	SPRING	SIZE	SPRING
1	HSA125	1	HSA200	1	HSA125	1	HSA125	1	HSA125
2	HSA125	2	HSA200	2	HSA125	2	HSA125	2	HSA125
3	HSA200	3	HSB310	3	HSA200	3	HSA200	3	HSA200
4	HSA310	4	HSB450	4	HSB310	4	HSA310	4	HSA310
5	HSA310	5	HSB450	5	HSB310	5	HSB450	5	HSB450
						6	HSB450	6	HSB450

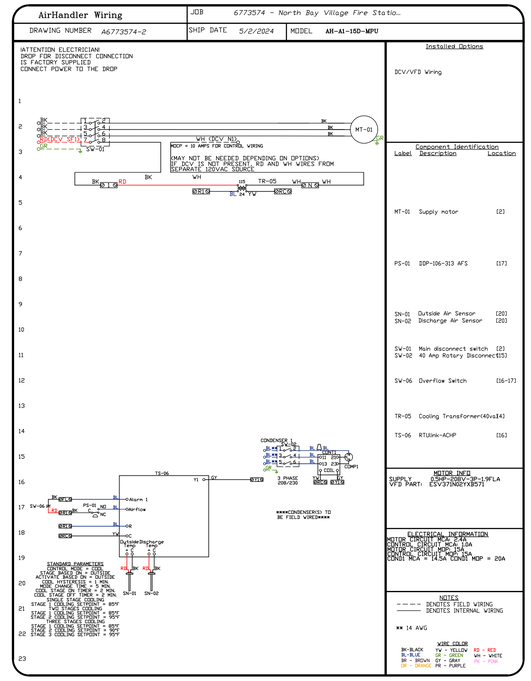


ALL DIMENSIONS ARE NOMINAL AND GIVEN IN INCHES.

		UNIT DIMENSIONS					CONNECTION SIZES		NOMINAL
MODEL	WEIGHT	A	B	C	D	E	SUCTION	LIQUID	TONNAGE
24ABB324	110 LBS	23-1/8	25-5/16	7-13/16	18-1/16	4-7/16	3/4	3/8	2
24ABB330	111 LBS	23-1/8	28-11/16	7-13/16	18-1/16	4-7/16	3/4	3/8	2.5
24ABB336	141 LBS	25-3/4	32-5/16	9-1/8	21-1/4	4-7/16	7/8	3/8	3
24ABB360	190 LBS	31-3/16	25-1/2	9-1/8	24-11/16	6-9/16	7/8	3/8	5

ELECTICAL INFORMATION

	V-PH	RLA	MCA	FUSE SIZE
24ABB324	208/230-1	13.5	17.6	25
24ABB330	208/230-1	12.8	16.8	25
	208/230-3	8.3	11.2	20
24ABB336	208/230-1	15.3	21.5	30
	208/230-3	10.5	14.5	20
	460-3	5.6	7.7	15
	575-3	3.8	5.3	15
24ABB360	208/230-1	26.4	34.2	50
	208/230-3	16.0	21.4	30
	460-3	7.8	10.5	15
	575-3	5.7	7.6	15



ADVANCED HOOD SYSTEMS
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REVISIONS

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North Bay Village Fire Station #27 - REV1
MIAMI BEACH, FL, 33141

DATE: 5/2/2024
DWG.#: 6773574
DRAWN BY: SPD'-140
SCALE: 3/4" = 1'-0"
MASTER DRAWING
SHEET NO. 4

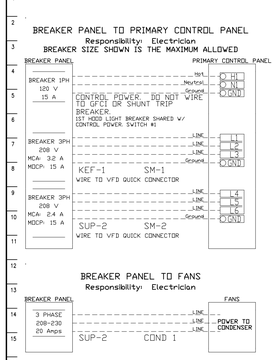
ELECTRICAL PACKAGE – JOB#6773574

NO	TAG	PACKAGE #	LOCATION	SWITCHES		OPTION	FANS CONTROLLED					
				LOCATION	QUANTITY		FAN TAG	TYPE	Φ	HP	VOLT	FLA
1		DCV-1111	WALL MOUNT IN SS BOX	SS WALL MOUNT BOX	1 LIGHT 1 FAN	SMART CONTROLS DCV	KEF-1	EXHAUST	3	0.750	208	2.6
							KSF-1	SUPPLY	3	0.500	208	1.9

JOB NO 6773574 | MODEL NUMBER DCV-1111 | JOB NAME North Bay Village Fire Statio… | DRAWN BY | DATE 5/2/2024 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-1

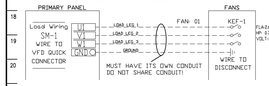
DESCRIPTION OF DERATION:
Demand Control Ventilation, w/ control for 1 Exhaust Fan, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire, Fans modulate based on duct temperature. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD. Room temperature sensor required for each fan. Field installation/verify distance between VFD and Motor; additional cost could apply if distance exceeds 30 feet.

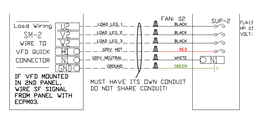
BREAKER PANEL TO PRIMARY CONTROL PANEL
Responsibility: Electrician
BREAKER SIZE SHOWN IS THE MAXIMUM ALLOWED



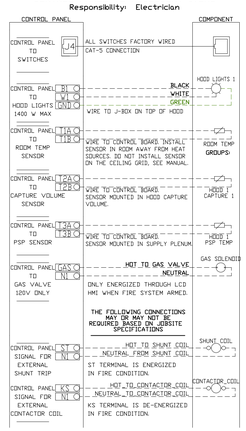
BREAKER PANEL TO FANS
Responsibility: Electrician

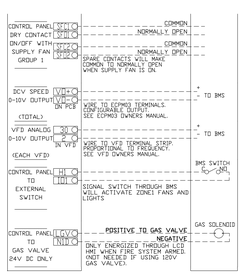
CONTROL PANEL TO FANS
Responsibility: Electrician



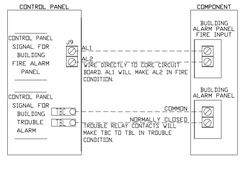


CONTROL PANEL TO ACCESSORY ITEMS
Responsibility: Electrician





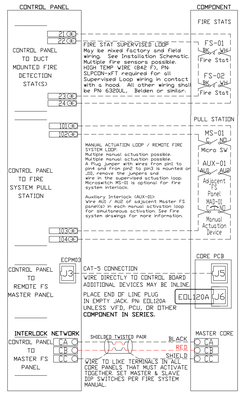
CONTROL PANEL TO FIRE SYSTEM
Responsibility: ALARM CONTRACTOR



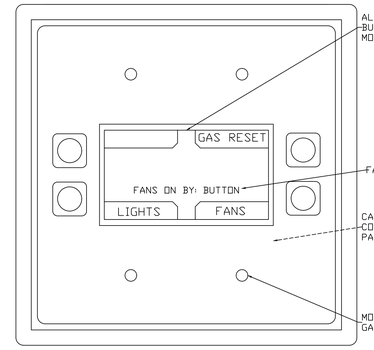
JOB NO 6773574 | MODEL NUMBER DCV-1111 | JOB NAME North Bay Village Fire Statio… | DRAWN BY | DATE 5/2/2024 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-2

DESCRIPTION OF DERATION:
Demand Control Ventilation, w/ control for 1 Exhaust Fan, 1 Supply Fan, Exhaust on in Fire, Lights out in Fire, Fans modulate based on duct temperature. INVERTER DUTY 3 PHASE MOTOR REQUIRED FOR USE WITH VFD. Room temperature sensor required for each fan. Field installation/verify distance between VFD and Motor; additional cost could apply if distance exceeds 30 feet.

CONTROL PANEL TO FIRE SYSTEM
Responsibility: CERTIFIED INSTALLER



HUMAN MACHINE INTERFACE (HMI)



JOB NO 6773574 | MODEL NUMBER DCV-1111 | JOB NAME North Bay Village Fire Statio… | DRAWN BY | DATE 5/2/2024 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-3

DESCRIPTION OF DERATION:
Fire System #1 TANK FS - 4.0.

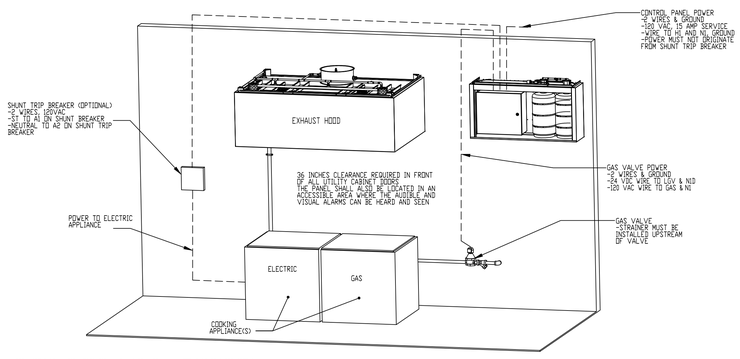
WALL MOUNT UTILITY CABINET TANK PROTECTION ELECTRICAL DETAIL

10/01/2023 Rev. 03

FS-1: MASTER

ELECTRICIAN:
1. WIRE MAIN CONTROL PANEL PER INCLUDED SCHEMATIC
2. WIRE ALL FANS PER INCLUDED SCHEMATIC
3. WIRE SHUNT TRIP BREAKER (OPTIONAL)
4. WIRE UDS APPLIANCE KILL SWITCH, IF EQUIPPED (OPTIONAL)
5. WIRE GAS VALVE

ELECTRICAL CONTRACTOR REQUIREMENT					
ITEM	CONNECTION IN PANEL	CONNECTION ON DEVICE	VOLTAGE	AMPERAGE	COMMENTS
SHUNT TRIP BREAKER (OPTIONAL)	ST & N1	BREAKER COIL (A1 & A2)	120 VAC	< 4 AMPS	ST TO A1 ON SHUNT BREAKER COIL, AND NEUTRAL TO A2 ON SHUNT TRIP BREAKER COIL
CONTROL PANEL POWER	H1 & N1 + GROUND	CIRCUIT BREAKER	120 VAC	15 AMPS	CONTROL PANEL POWER MUST NOT BE RUN THROUGH SHUNT TRIP BREAKER
UDS APPLIANCE KILL SWITCH (OPTIONAL)	KTS & N1	KTS & N1	120 VAC	< 4 AMPS	KILL SWITCH TERMINALS MUST BE IN SERIES WITH OTHER KILL SWITCHES
REMOTE 120VAC ANSUL AUTOMAN (OPTIONAL)	AU1, AU2	SOLENOID	120 VAC	< 6 AMPS	120V TO AU1, AU2 TO ANSUL ELECTRIC AUTOMAN, ANSUL SOLENOID TO NEUTRAL
GAS VALVE	LGV & N1 (IF 24 VDC) GAS & N1 (IF 120 VAC)	RED/RED/GREEN	24 VDC OR 120 VAC	< 10 AMPS	IF 24 VDC - 2 WIRES & GROUND, N1 TO RED, LGV TO RED, AND GREEN TO GROUND IF 120 VAC - 2 WIRES & GROUND GAS TO RED, N1 TO RED, AND GREEN TO GROUND



NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

JOB NO 6773574 | MODEL NUMBER DCV-1111 | JOB NAME North Bay Village Fire Statio… | DRAWN BY | DATE 5/2/2024 | SCHEMATIC TYPE INSTALL | DWG NO ECP #1-4

DESCRIPTION OF DERATION:
Fire System #1 TANK FS - 4.0.

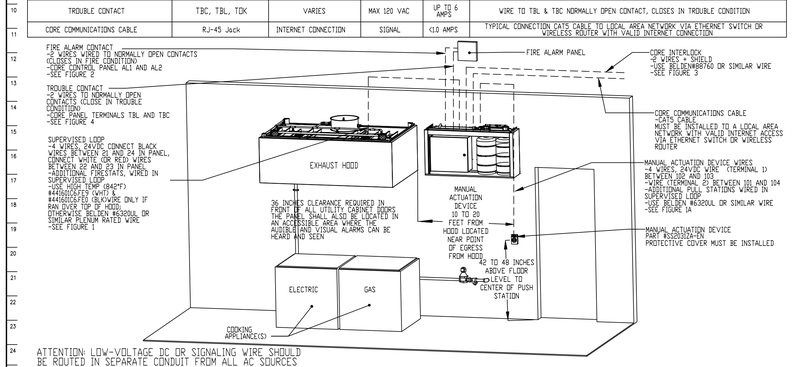
WALL MOUNT UTILITY CABINET TANK PROTECTION LOW-VOLTAGE DETAIL

10/01/2023 Rev. 3

FS-1: MASTER

ALARM CONTRACTOR:
1. WIRE MANUAL ACTUATION DEVICE(S), REMOTE FIRESTAT(S), CORE INTERLOCK(S), FIRE SENSOR(S) AND FIRE ALARM CONTACTS
2. COMPLETE FINAL HOOKUP OF SYSTEM
3. VERIFY FINAL FIRE SYSTEM TEST

ALARM CONTRACTOR REQUIREMENT					
ITEM	CONNECTION IN PANEL	CONNECTION ON DEVICE	VOLTAGE	AMPERAGE	COMMENTS
MANUAL ACTUATION DEVICE(S)	101 AND 104 102 AND 103	1 & 2	24 VDC	< 10 AMPS	WIRE MANUAL ACTUATION DEVICE TERMINAL 1 BETWEEN CORE PANEL TERMINALS 102 AND 103 WIRE MANUAL ACTUATION DEVICE TERMINAL 2 BETWEEN CORE PANEL TERMINALS 101 AND 104 JUMPER 101 TO 104 AND 102 TO 103 IF NO MANUAL ACTUATION DEVICE IS INSTALLED
MANUAL ACTUATION DEVICE COVER	N/A	N/A	N/A	N/A	MANUAL ACTUATION DEVICE COVER MUST BE INSTALLED IF SURFACE MOUNTED, USE COVER EXTENSION STI-65918
REMOTE FIRESTAT SENSOR(S)	21 AND 24 22 AND 23	BLACK AND WHITE	24 VDC	< 10 AMPS	WIRE FIRE SENSOR WHITE WIRES BETWEEN HOOD CORE PANEL TERMINALS 22 AND 23 WIRE FIRE SENSOR BLACK WIRE BETWEEN HOOD CORE PANEL TERMINALS 21 AND 24 HIGH TEMP (842°F): #4416UUCSLFEP (WHT) & #4416UUCSLFED (BLK)WIRE OR SIMILAR ONLY IF RAN OVER TOP OF HOOD, OTHERWISE BELDEN #6320UL OR SIMILAR PLENUM RATED WIRE. SEE FIGURE 1
FIRE ALARM CONTACT	AL1, AL2	VARIES	50V MAX (AC/DC)	UP TO 1 AMP	FIRE ALARM RELAY CONTACTS FOR BUILDING FIRE ALARM LOCATED IN THE CORE ELECTRICAL CONTROL PANEL
CORE INTERLOCK(S)	CA, CB, CC	CA, CB, CC	RS-485 COMMUNICATIONS SIGNAL		CORE SYSTEM (1) CA, TO CORE SYSTEM (2) CA. CORE SYSTEM (1) CB, TO CORE SYSTEM (2) CB. CORE SYSTEM (1) CC, TO CORE SYSTEM (2) CC. USE BELDENM 88760 OR SIMILAR WIRE
TROUBLE CONTACT	TBC, TBL, TDK	VARIES	MAX 120 VAC	UP TO 6 AMPS	WIRE TO TBL & TBC NORMALLY OPEN CONTACT, CLOSES IN TROUBLE CONDITION
CORE COMMUNICATIONS CABLE	RJ-45 Jack	INTERNET CONNECTION	SIGNAL	<1.0 AMPS	TYPICAL CONNECTION CAT5 CABLE TO LOCAL AREA NETWORK VIA ETHERNET SWITCH OR WIRELESS ROUTER WITH VALID INTERNET CONNECTION



ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

REVISIONS

	DESCRIPTION	DATE:
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North Bay Village Fire Station #27 - REV1
MIAMI BEACH, FL, 33141

DATE: 5/2/2024
DWG.#: 6773574
DRAWN BY: SPD'-140
SCALE: 3/4" = 1'-0"
MASTER DRAWING

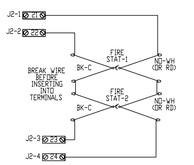
SHEET NO. 5

DESCRIPTION OF OPERATION:

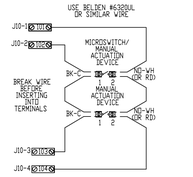
10/01/2023 Rev. 17

TOTAL PROTECTION LOW-VOLTAGE FIGURES

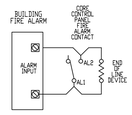
FS-1: MASTER



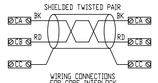
WIRING CONNECTIONS FOR FIRESTAT LOOP FIGURE 1



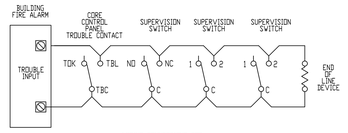
WIRING CONNECTIONS FOR MANUAL ACTUATION LOOP FIGURE 1A



WIRING CONNECTIONS FOR FIRE ALARM CONTACT FIGURE 2



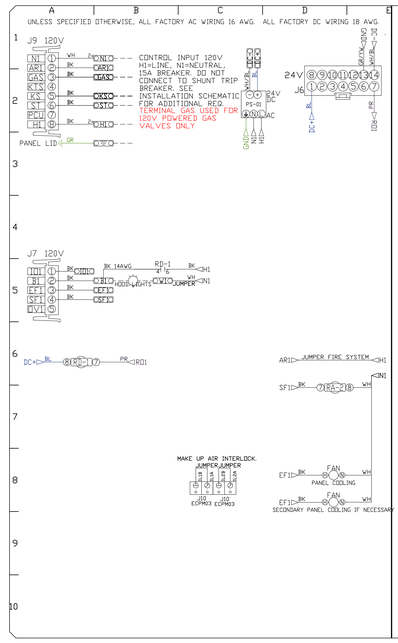
WIRING CONNECTIONS FOR CORE INTERLOCK FIGURE 3



WIRING CONNECTIONS FOR TROUBLE CONTACT FIGURE 4

NOTE: SEE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR FURTHER INSTRUCTIONS

ATTENTION: LOW-VOLTAGE DC OR SIGNALING WIRE SHOULD BE ROUTED IN SEPARATE CONDUIT FROM ALL AC SOURCES



SC-20 x 18 x 8.62 BOX

FACTORY WIRING SCHEMATIC CIRCUIT BOARDS ECPM03

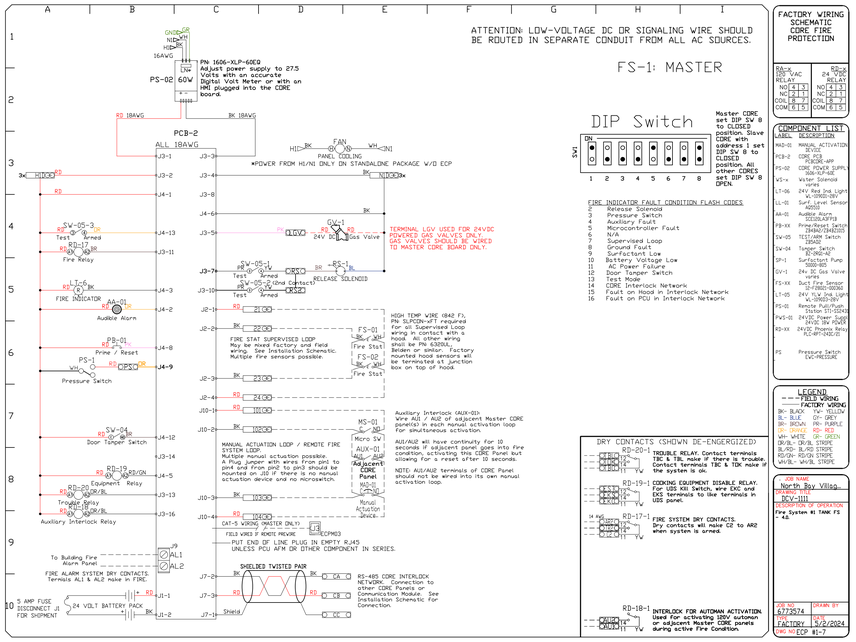
RA-x 120 VAC RELAY		RD-x 24 VDC RELAY
NO	4 1	NO 4 1
NC	2 1	NC 2 1
COIL	8 5	COIL 8 5
COM	6 15	COM 6 15

COMPONENT LIST

LABEL	DESCRIPTION
CT-x	Starter wires
OL-x	Overload wires
C-x	Contactor wires
FS-1	Power Sup. DEVC 90SP-DA-C
RA-x	120V Relay DPST 34318080R3
RD-x	24VDC Light Relay 34318080

LEGEND
FIELD WIRING
FACTORY WIRING
BK- BLACK YW- YELLOW
BL- BLUE GY- GREY
BR- BROWN PR- PURPLE
OR- ORANGE RD- RED
WH- WHITE GR- GREEN
BK/BL- BK/BL STRIPE
BL/RD- BL/RD STRIPE
RD/GN- RD/GN STRIPE
WH/BL- WH/BL STRIPE

JOB NAME: North Bay Villag.
DRAWING: 1111
BCV-1111
DESCRIPTION OF OPERATION:
Demand Control Ventilation Control Var. 1: Exhaust and Supply fan. Exhaust on in fire, lights out in fire. Fans shall be based on make up temperature. INVERTER DUTY MOTORS ARE REQUIRED FOR USE WITH VFD. Room temperature sensor shipped loose for field installation.Verify location with Architect and Notary. additional cost could apply if distance exceeds 50 Feet.
JOB NO: 6773574
DRAWN BY: SPD
DATE: FACTORY 5/2/2024
DWG NO: ECP #1-6



FACTORY WIRING SCHEMATIC CORE FIRE PROTECTION

RA-x 120 VAC RELAY		RD-x 24 VDC RELAY
NO	4 1	NO 4 1
NC	2 1	NC 2 1
COIL	8 5	COIL 8 5
COM	6 15	COM 6 15

COMPONENT LIST

LABEL	DESCRIPTION
MAD-01	MANUAL ACTIVATION DEVICE
PCB-2	CORE PCB P1362A6-MP
PS-02	CORE POWER SUPPL. 60W 27.5V
VS-x	Water Solenoid wires
LT-06	24V Red Ind. Light XL-U2RD1-28V
LL-01	Surfactant Level Sensor AS250
AA-01	Audible Alarm SI230LXAPT13
PB-XX	Prime/Reset Switch 2101K1/2NA1203
SW-05	TEST/ARM Switch 2101K1
SW-04	Tamper Switch B2-GN02-A2
SP-1	Surfactant Pump 3300 GPH
SV-1	24V Gas Valve wires
FS-XX	Duct Fire Sensor D-PTI0601-S0060
LT-05	24V Yl.Ind.Light XL-U2YL1-28V
PS-01	Remote Pull/Push Station 511-1S243
PWS-01	24VDC Power Supp. DV12C 12V POWER
RD-XX	24VDC Preamp Relay RID-APT-DA2-01
PS	Pressure Switch EVC-PRESSURE

LEGEND
FIELD WIRING
FACTORY WIRING
BK- BLACK YW- YELLOW
BL- BLUE GY- GREY
BR- BROWN PR- PURPLE
OR- ORANGE RD- RED
WH- WHITE GR- GREEN
BK/BL- BK/BL STRIPE
BL/RD- BL/RD STRIPE
RD/GN- RD/GN STRIPE
WH/BL- WH/BL STRIPE

JOB NAME: North Bay Villag.
DRAWING: 1111
BCV-1111
DESCRIPTION OF OPERATION:
Fire System #1 TANK FS + 4A
JOB NO: 6773574
DRAWN BY: SPD
DATE: FACTORY 5/2/2024
DWG NO: ECP #1-7

ADVANTAGE HOOD SYSTEMS

Advanced Hoods Systems, LLC
, FL. PHONE: FAX: 9192275974 EMAIL: sydney@advancedhoodsystems.com

REVISIONS

	DESCRIPTION	DATE:
1		
2		
3		
4		

North Bay Village Fire Station #27 - REV1
MIAMI BEACH, FL, 33141

DATE: 5/2/2024

DWG.#: 6773574

DRAWN BY: SPD'-140

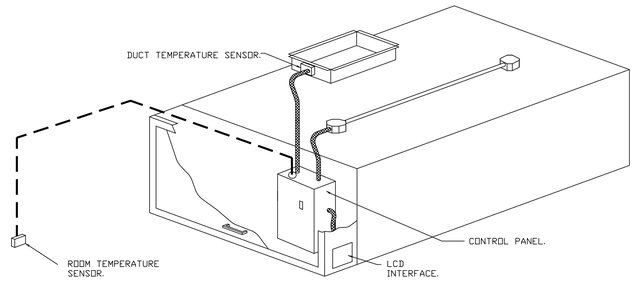
SCALE: 3/4" = 1'-0"

MASTER DRAWING

SHEET NO. 6

DEMAND CONTROL VENTILATION HOOD CONTROL PANEL SPECIFICATIONS:

- CONTROLS SHALL BE LISTED BY ETL (UL 508A) AND SHALL COMPLY WITH DEMAND VENTILATION SYSTEM TURNDOWN REQUIREMENTS OUTLINED IN IECC 403.7.5 (2021).
- THE CONTROL ENCLOSURE SHALL BE NEMA 1 RATED AND LISTED FOR INSTALLATION INSIDE OF THE EXHAUST HOOD UTILITY CABINET. THE CONTROL ENCLOSURE MAY BE CONSTRUCTED OF STAINLESS STEEL OR PAINTED STEEL.
- TEMPERATURE PROBE(S) LOCATED IN THE EXHAUST DUCT RISER(S) SHALL BE CONSTRUCTED OF STAINLESS STEEL.
- A DIGITAL CONTROLLER SHALL BE PROVIDED TO ACTIVATE THE HOOD EXHAUST FANS DYNAMICALLY BASED ON A FIXED DIFFERENTIAL BETWEEN THE AMBIENT AND DUCT TEMPERATURES SENSORS. THIS FUNCTION SHALL MEET THE REQUIREMENTS OF IMC 507.1.1.
- A DIGITAL CONTROLLER SHALL PROVIDE ADJUSTABLE HYSTERESIS SETTINGS TO PREVENT CYCLING OF THE FANS AFTER THE COOKING APPLIANCES HAVE BEEN TURNED OFF AND/OR THE HEAT IN THE EXHAUST SYSTEM IS REDUCED.
- A DIGITAL CONTROLLER SHALL PROVIDE AN ADJUSTABLE MINIMUM FAN RUN-TIME SETTING TO PREVENT FAN CYCLING.
- VARIABLE FREQUENCY DRIVES (VFDS) SHALL BE PROVIDED FOR FANS AS REQUIRED. THE DIGITAL CONTROLLER SHALL MODULATE THE VFDS BETWEEN A MINIMUM SETPOINT AND A MAXIMUM SETPOINT ON DEMAND. THE DUCT TEMPERATURE SENSOR INPUT(S) TO THE DIGITAL CONTROLLER SHALL BE USED TO CALCULATE THE SPEED REFERENCE SIGNAL.
- THE VFD SPEED RANGE OF OPERATION SHALL BE FROM 0% TO 100% FOR THE SYSTEM, WITH THE ACTUAL MINIMUM SPEED SET AS REQUIRED TO MEET MINIMUM VENTILATION REQUIREMENTS.
- AN INTERNAL ALGORITHM TO THE DIGITAL CONTROLLER SHALL MODULATE SUPPLY FAN VFD SPEED PROPORTIONAL TO ALL EXHAUST FANS THAT ARE LOCATED IN THE SAME FAN GROUP AS THE SUPPLY FAN.
- THE SYSTEM SHALL OPERATE IN PREP MODE DURING LIGHT COOKING LOAD OR COOL DOWN MODE WHEN SUFFICIENT HEAT REMAINS UNDERNEATH THE HOOD SYSTEM AFTER COOKING OPERATIONS HAVE COMPLETED. OPERATION DURING EITHER OF THESE PERIODS WILL DISABLE THE SUPPLY FANS AND PROVIDE AN EXHAUST FAN SPEED THAT IS EQUAL TO THE MINIMUM VENTILATION REQUIREMENT.
- A DIGITAL CONTROLLER SHALL DISABLE THE SUPPLY FAN(S), ACTIVATE THE EXHAUST FAN(S), ACTIVATE THE APPLIANCE SHUNT TRIP, AND DISABLE AN ELECTRIC GAS VALVE AUTOMATICALLY WHEN FIRE CONDITION IS DETECTED ON A COVERED HOOD.
- A DIGITAL CONTROLLER SHALL ALLOW FOR EXTERNAL BMS FAN CONTROL VIA DRY CONTACT (EXTERNAL CONTROL SHALL NOT OVERRIDE FAN OPERATION LOGIC AS REQUIRED BY CODE).
- AN LCD INTERFACE SHALL BE PROVIDED WITH THE FOLLOWING FEATURES:
  - A. ON/OFF PUSH BUTTON FAN & LIGHT SWITCH ACTIVATION.
  - B. INTEGRATED GAS VALVE RESET FOR ELECTRONIC GAS VALVES (NO RESET RELAY REQUIRED).
  - C. VFD FAULT DISPLAY WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  - D. DUCT TEMPERATURE SENSOR FAILURE DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  - E. MIS-WIRED DUCT TEMPERATURE SENSOR DETECTION WITH AUDIBLE & VISUAL ALARM NOTIFICATION.
  - F. A SINGLE LOW VOLTAGE CAT-5 RJ45 WIRING CONNECTION.
  - G. AN ENERGY SAVINGS INDICATOR THAT UTILIZES MEASURED KWH FROM THE VFDS.



TYPICAL HOOD CONTROL PANEL INSTALLATION

SEQUENCE OF OPERATIONS:

THE HOOD CONTROL PANEL IS CAPABLE OF OPERATING IN ONE OR MORE OF THE FOLLOWING STATES AT ANY GIVEN TIME:

- AUTOMATIC: THE SYSTEM OPERATES BASED ON THE DIFFERENTIAL BETWEEN ROOM TEMPERATURE AND THE TEMPERATURE AT THE HOOD CAVITY OR EXHAUST DUCT COLLAR. FANS ACTIVATE AT A CONFIGURABLE TEMPERATURE DIFFERENTIAL THRESHOLD. DEPENDING ON THE JOB CONFIGURATION EACH FAN ZONE CAN BE CONFIGURED AS STATIC OR DYNAMIC. THESE TERMS REFER TO WHETHER A VARIABLE MOTOR (SUCH AS EC MOTORS OR VFD DRIVEN MOTORS) MODULATE WITH TEMPERATURE. IF THE PANEL IS EQUIPPED WITH VARIABLE SPEED FANS AND THE ZONE IS DEFINED AS 'DYNAMIC', THESE WILL MODULATE WITHIN A USER-DEFINED RANGE BASED ON THE TEMPERATURE DIFFERENTIAL. PANELS EQUIPPED WITH VARIABLE SPEED FANS AND A FAN ZONE DEFINED AS 'STATIC', FANS WILL RUN AT A SET SPEED CALCULATED FOR THE DRIVE. DEMAND CONTROL VENTILATION SYSTEMS ARE CAPABLE OF MODULATING EXHAUST AND MAKE UP AIR FAN SPEEDS PER THE REQUIREMENTS OUTLINED IN IECC 403.7.5 (2021).
- MANUAL: THE SYSTEM OPERATES BASED ON HUMAN INPUT FROM AN HMI.
- SCHEDULE: A WEEKLY SCHEDULE CAN BE SET TO RUN FANS FOR A SPECIFIED PERIOD THROUGHOUT THE DAY. THERE ARE THREE OCCUPIED TIMES PER DAY TO ALLOW FOR THE USER TO SET UP A TIME THAT IS SUITABLE TO THEIR NEEDS. ANY TIME THAT IS WITHIN THE DEFINED OCCUPIED TIME, THE SYSTEM WILL RUN AT MODULATION MODE AND FOLLOW THE FAN PROCEDURE ALGORITHM BASED ON TEMPERATURE DURING THIS TIME. DURING UNOCCUPIED TIME, THE SYSTEM WILL HAVE AN EXTRA OFFSET TO PREVENT UNINTENDED ACTIVATION OF THE SYSTEM DURING A TIME WHERE THE SYSTEM IS NOT BEING OCCUPIED.
- OTHER: THE SYSTEM OPERATES BASED ON THE INPUT FROM AN EXTERNAL SOURCE (DDC, BMS OR HARD-WIRED INTERLOCK).
- FIRE: UPON ACTIVATION OF THE HOOD FIRE SUPPRESSION SYSTEM, THE EXHAUST FAN WILL COME ON OR CONTINUE TO TO RUN, THE HOOD MAKEUP AIR WILL SHUTDOWN, AND A SIGNAL WILL BE SENT FOR ACTIVATING THE SHUNT TRIP BREAKER PROVIDED BY THE ELECTRICIAN. FUEL GAS WILL SHUT OFF VIA A MECHANICAL/ELECTRICAL GAS VALVE ACTUATED BY THE HOOD FIRE SUPPRESSION SYSTEM.

SYSTEM DESIGN VERIFICATION (SDV)

IF ORDERED, CAS SERVICE WILL PERFORM A SYSTEM DESIGN VERIFICATION (SDV) ONCE ALL EQUIPMENT HAS HAD A COMPLETE START UP PER THE OPERATION AND INSTALLATION MANUAL. TYPICALLY, THE SDV WILL BE PERFORMED AFTER ALL INSPECTIONS ARE COMPLETE.

ANY FIELD RELATED DISCREPANCIES THAT ARE DISCOVERED DURING THE SDV WILL BE BROUGHT TO THE ATTENTION OF THE GENERAL CONTRACTOR AND CORRESPONDING TRADES ON SITE. THESE ISSUES WILL BE DOCUMENTED AND FORWARDED TO THE APPROPRIATE SALES OFFICE. IF CAS SERVICE HAS TO RESOLVE A DISCREPANCY THAT IS A FIELD ISSUE, THE GENERAL CONTRACTOR WILL BE NOTIFIED AND BILLED FOR THE WORK. SHOULD A RETURN TRIP BE REQUIRED DUE TO ANY FIELD RELATED DISCREPANCY THAT CANNOT BE RESOLVED DURING THE SDV, THERE WILL BE ADDITIONAL TRIP CHARGES.

DURING THE SDV, CAS SERVICE WILL ADDRESS ANY DISCREPANCY THAT IS THE FAULT OF THE MANUFACTURER. SHOULD A RETURN TRIP BE REQUIRED, THE GENERAL CONTRACTOR AND APPROPRIATE SALES OFFICE WILL BE NOTIFIED. THERE WILL BE NO ADDITIONAL CHARGES FOR MANUFACTURER DISCREPANCIES.

REVISIONS

	DESCRIPTION	DATE:
1		
2		
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ADVANCED HOOD SYSTEMS
Advanced Hoods Systems, LLC
. FL. PHONE: FAX: 9192275974 EMAIL: sydney@advancedhoodsystems.com

North Bay Village Fire Station #27 - REV1
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