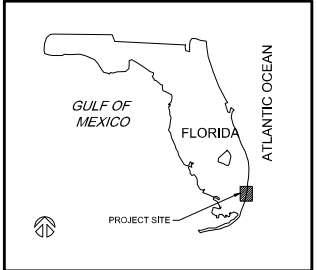




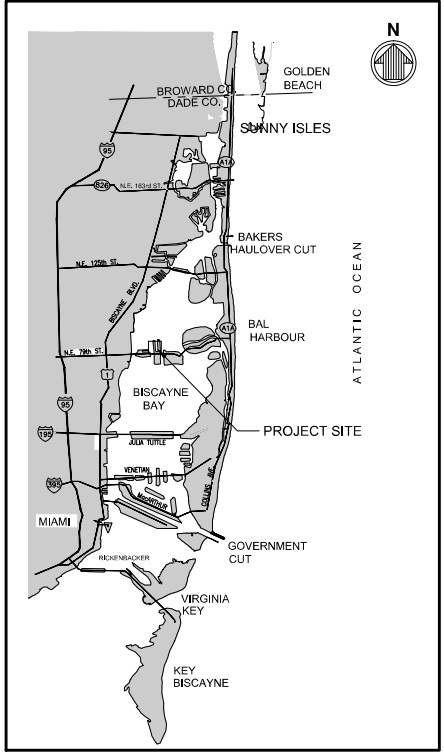
VOGEL PARK DOCK DESIGN

NORTH BAY VILLAGE, FLORIDA

SECTION 09, TOWNSHIP 53S, RANGE 42E



VICINITY MAP
SCALE: NTS



LOCATION MAP
SCALE: NTS

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S-002	STRUCTURAL NOTES
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S-101	SITE PLAN
S-102	PILE PLAN
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PAUL VOGEL PARK
NORTH BAY VILLAGE
7800 WEST DRIVE
NORTH BAY VILLAGE, FL 33141

CONSULTANT:

5959 BLUE LAGOON DRIVE, SUITE 410
MIAMI, FL 33126
PH: 305-265-5400
EAC PROJECT No. 1907SL001-09

SUB-CONSULTANT:

2837 SW 27th AVE., STE 101A
MIAMI, FL 33133
305-230-1924
(FL EB 4877)

PROJECT:

VOGEL PARK
MARINE FACILITY
PHASE 2

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: March 5, 2023

DESIGNED BY: VB

DRAWN BY: CC

REVIEWED BY: GWS

SEAL:

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FL LICENSE No. 0055919

SHEET TITLE:

COVER SHEET &
INDEX OF DRAWINGS

SHEET NO.

G-001

PERMIT SUBMITTAL





North Bay Village - Building Department
Approved by: Charles Sandoval - Director
Date: 02/22/2023

GENERAL WATERSIDE NOTES

- METHODS OF CONSTRUCTION AND ERECTION OF STRUCTURAL MATERIAL ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL, ON A DAILY BASIS, REMOVE FROM THE SITE ANY EXCAVATED MATERIAL OR DEBRIS. DISPOSAL OF THE MATERIALS IS THE RESPONSIBILITY OF THE CONTRACTOR. ALL DEBRIS SHALL BE DISPOSED OF IN A PERMITTED SANITARY LANDFILL.
- THE CONTRACTOR SHALL PLACE CONSTRUCTION DEBRIS CONTROL DEVICES, BOOMS, TARPAULINS, FLOATS, STAGING, AND OTHER DEVICES AS NECESSARY TO PREVENT CONSTRUCTION DEBRIS FROM ENTERING THE WATER AND AIR BORNE MATERIALS FROM LEAVING THE IMMEDIATE VICINITY OF THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN-UP OF ANY MATERIALS DEPOSITED OUTSIDE THE WORK AREA OR IN THE WATER. SEE PERMIT CONDITIONS.
- THE CONTRACTOR IS TO PROVIDE EROSION CONTROL/ SEDIMENTATION BARRIERS (HAY BALES, SILTATION CURTAINS AND FLOATING TURBIDITY SCREENS) TO PREVENT SILTATION OF ADJACENT PROPERTY, STREETS, STORM SEWERS, AND WATERWAYS. IF, IN THE OPINION OF THE OWNER AND/OR LOCAL AUTHORITIES, EXCESSIVE QUANTITIES OF EARTH ARE BEING TRANSPORTED OFF-SITE EITHER BY NATURAL DRAINAGE OR VEHICULAR TRAFFIC, THE CONTRACTOR IS TO REMOVE AND CLEAN SAID EARTH FROM TRAVEL WAYS TO THE SATISFACTION OF THE CITY AND/OR LOCAL AUTHORITIES.
- THE CONTRACTOR SHALL CONSIDER AND PLAN FOR, ON A DAILY BASIS, THE EFFECT OF TIDAL FLUCTUATION IN THE EXECUTION OF THE WORK.
- IF CONSTRUCTION IS EXPECTED TO BE PERFORMED FROM A BARGE, THE CONTRACTOR SHALL CONDUCT OPERATIONS SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO VESSEL AND VEHICULAR TRAFFIC DURING THE COURSE OF THE WORK AND SHALL PLAN FOR EFFECTS OF PASSING VESSELS.
- SCALE BARS ARE INTENDED FOR REFERENCE ONLY. ALL DIMENSIONS NECESSARY FOR CONSTRUCTION SHALL BE TAKEN FROM DIMENSION ANNOTATION AND NOT SCALED DIRECTLY FROM DRAWINGS.

SURVEY NOTES

- TOPOGRAPHIC SURVEY PERFORMED BY SEA DIVERSIFIED, INC. SURVEY CONDUCTED ON MARCH 9-10, 2021.
- HYDROGRAPHIC ELEVATIONS SHOWN HEREIN PROVIDED BY SEA DIVERSIFIED, INC. SURVEY CONDUCTED ON MARCH 9-10, 2021.
- ELEVATIONS ARE IN FEET AND REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).
- HORIZONTAL DATA SHOWN HEREON ARE REFERENCED TO GRID BEARINGS BASED UPON THE FLORIDA STATE PLANE COORDINATE SYSTEM, TRANSVERSE MERCATOR PROJECTION, WEST ZONE, NORTH AMERICAN DATUM OF 1983 (ADJUSTMENT OF 1999).
- UNDERGROUND UTILITIES, FOUNDATIONS AND/OR OTHER IMPROVEMENTS HAVE NOT BEEN LOCATED EXCEPT THOSE SHOWN ON THESE DRAWINGS.
- THE TIDAL DATUM RELATIONSHIP BASED ON NOS (NOAA) STATION AT MIAMI, BISCAYNE BAY, FL (STATION 8723165).

VERTICAL DATUM RELATIONSHIP	
DATUM	ELEV
MHHW	+ 0.26 FEET
MHW	+ 0.22 FEET
MSL	-0.89 FEET
NAVD	-0.00 FEET
MLW	-1.97 FEET
MLLW	-2.11 FEET

DEMOLITION NOTES

- CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO STRICTLY CONTAIN THE DEMOLITION WITHIN THE LIMITS OF THE REQUIRED CONSTRUCTION AND AVOID ANY DAMAGE TO THE EXISTING STRUCTURE. PLAN SHALL INCLUDED DETAILED MEANS AND METHOD OF DEMOLITION WORK.
- ALL DEMOLISHED MATERIAL, EXCEPT AS NOTED OTHERWISE, BECOMES THE PROPERTY OF, AND SHALL BE COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR. THE REMOVAL, HANDLING, AND DISPOSAL OF ALL DEMOLITION MATERIALS SHALL BE IN STRICT ACCORDANCE WITH ALL LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO BECOME FAMILIAR WITH THE MATERIALS TO BE DISPOSED OF AND ALL GOVERNING AGENCY REQUIREMENTS.

LAYOUT AND TESTING:

- ALL CONSTRUCTION STAKEOUT SHALL BE PERFORMED BY AND PAID FOR BY THE CONTRACTOR.
- ALL TESTING, INSPECTION AND BACKFILL SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATIONS, AND SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY RETAINED BY THE OWNER.

SCHEDULE FOR COMPLETION OF WORK TO CONSTRUCTION BASELINE SCHEDULE

THE CONTRACTOR SHALL PROVIDE PRODUCT SUBMITTALS, AND/OR CATALOG CUT SHEETS FOR THE FOLLOWING ITEMS TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION:

- PRELIMINARY SUBMITTALS:
 - SCHEDULE FOR COMPLETION OF WORK (TO BE UPDATED WEEKLY)
 - LIST OF SUBMITTALS
 - CONTRACTOR WORK PLAN
 - CONTACT LIST FOR GC'S STAFF
 - QUALITY ASSURANCE PLAN
- PRE-CAST CONCRETE
- TIMBER PILE
- HARDWARE.
- BITUMEN MEMBRANE.
- SPECIALTY ENGINEER SUBMITTALS (TO BE SIGNED/SEALED BY FLORIDA REGISTERED PROFESSIONAL ENGINEER.
 - GRATED DECK SHOP DRAWINGS
 - DOCK CALCULATIONS
 - KAYAK LAUNCH SHOP DRAWINGS

ENVIRONMENTAL NOTES

- TURBIDITY BARRIERS SHALL BE MANUFACTURED IN ACCORDANCE WITH FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS INDEX NO. 103.
- DURING WATERSIDE CONSTRUCTION, THE CONTRACTOR SHALL MONITOR THE TURBIDITY LEVELS TO ENSURE THAT STATE WATER QUALITY STANDARDS ARE MAINTAINED AND CONSTRUCTION METHODS ARE IN ACCORDANCE WITH THE PERMITS.
- DURING CONSTRUCTION THE CONTRACTOR SHALL PLACE EROSION CONTROL DEVICES AND MEASURES AROUND THE PROJECT AREA AND OTHER AREA(S) NEEDED TO PREVENT EROSION AND THE MIGRATION OF SEDIMENT TO POINTS OUTSIDE THE DEMOLITION/CONSTRUCTION AREA(S).
- ALL EROSION CONTROL DEVICES SHALL BE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION 104 AND STANDARD INDEX NO. 102 OF THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.



North Bay Village - Building Department
Approved by: Charles Sandoval - Director
Date: 02/22/2023

TURBIDITY BARRIER NOTES

- THE CONTRACTOR SHALL FURNISH, INSTALL AND MAINTAIN TURBIDITY CONTROL CURTAIN AROUND WORK AREA. THE PURPOSE OF THE CURTAIN IS TO AVOID ANY DEBRIS FROM GOING INTO THE MAIN WATERS. THE CONTRACTOR HAS THE OPTION TO ENCLOSE THE ENTIRE WATERSIDE OF THE SITE, WITHIN THE LIMITS OF DISTURBANCE, OR TO INSTALL AND MOVE THE CURTAIN IN STAGES. THE CONTRACTOR SHALL MAINTAIN SUCH CURTAINS AT ALL TIMES IN THE AREAS WHERE WORK IS IN PROGRESS.
- CONTRACTOR SHALL SUBMIT TURBIDITY CONTROL PLAN FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION IN ACCORDANCE WITH REGULATORY PERMITS.
- TURBIDITY SHALL BE MONITORED AS OUTLINED IN THE REGULATORY PERMIT.
- IF THE COMPLIANCE SAMPLE MEASURES ABOVE THE BACKGROUND SAMPLE, ALL OPERATIONS THAT ARE CAUSING THE WATER QUALITY VIOLATION WILL CEASE, AND THE ENVIRONMENTAL AGENCIES SHALL BE NOTIFIED OF THE VIOLATION (AS REQUIRED IN THE ENVIRONMENTAL PERMITS ISSUED FOR THE PROJECT). WORK THAT IS CAUSING THE WATER QUALITY VIOLATION WILL NOT RECOMMENCE UNTIL SUCH TIME AS THE WATER QUALITY READINGS THE APPROVAL OF THE AGENCIES.
- CONTRACTOR SHALL COMPILER AND SUBMIT MONITORING REPORTS TO OWNER AND TO THE AGENCIES, AS REQUIRED IN THE ENVIRONMENTAL PERMITS.
- CONTRACTOR SHALL UTILIZE DOUBLE TURBIDITY CURTAIN.



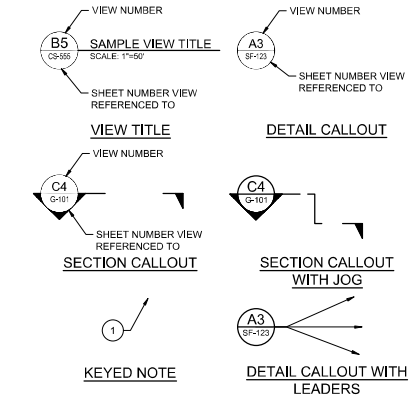
North Bay Village - Building Department
Approved by: Lindsay Elam - Director
Date: 02/22/2023

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME Lindsay Elam
DATE 02/15/2023

ABBREVIATIONS

DBL	= DOUBLE
DN	= DOWN
EMBED	= EMBEDMENT
EQ	= EQUAL
GALV	= GALVANIZED
LG	= LONG
MHW	= MEAN HIGH WATER
MHHW	= MEAN HIGHER HIGH WATER
MLW	= MEAN LOW WATER
MLLW	= MEAN LOWER LOW WATER
MSL	= MEAN SEA LEVEL
NAD	= NORTH AMERICAN DATUM
NAVD	= NORTH AMERICAN VERTICAL DATUM 88
NIC	= NOT IN CONTRACT
NMFS	= NATIONAL MARINE FISHERIES SERVICE
SPA	= SPACES
SS	= STAINLESS STEEL
SQ	= SQUARE
UON	= UNLESS OTHERWISE NOTED
BL	= BASELINE
CL	= CENTERLINE
'	= MINUTES OR FEET
"	= INCHES
&	= AND
°	= DEGREE
±	= PLUS OR MINUS
Ø	= DIAMETER
PL	= PLATE

LEGEND



* VIEW NUMBER IS BASED ON THE (DACS) LOCATION OF THE LOWER-LEFT EXTENTS OF THE VIEW ON THE REFERENCED SHEET. WHEN REFERENCING DRAWING INFORMATION BETWEEN SHEETS, BOTH THE VIEW AND SHEET NUMBERS MUST BE QUOTED TOGETHER - EITHER IN A CALLOUT FORMAT AS SHOWN ABOVE OR IN THE FORM: "VIEW NO./SHEET NO." (EG A1/CS-5001)

Timothy K. Blankenship
PE No. 55501-0

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North Bay Village - Building Department
Approved by: Charles Sandoval - Director
Date: 02/22/2023

PAUL VOGEL PARK
NORTH BAY VILLAGE
7802 WEST DRIVE
NORTH BAY VILLAGE, FL 33141

CONSULTANT:

EAC
EAC Consulting, Inc.
5959 BLUE LAGOON DRIVE, SUITE 410
MIAMI, FL 33126
PH: 305-285-5400
EAC PROJECT NO. 1907SL001-09

SUB-CONSULTANT:

moffatt & nichel
2837 SW 27th AVE., STE 101A
MIAMI, FL 33133
305-230-1924
(FL EB 4877)

PROJECT:

VOGEL PARK
MARINE FACILITY
PHASE 2

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: April 22, 2023

DESIGNED BY: VB

DRAWN BY: CC

REVIEWED BY: KT

SEAL:

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TIM BLANKENSHIP
FL LICENSE No. 0055919

SHEET TITLE:

WATERSIDE
GENERAL NOTES

SHEET NO.

S-001

PERMIT SUBMITTAL



North Bay Village - Building Department
Approved By: Victor Diaz - Planning
Date: 03/20/2023

DESIGN CRITERIA

- LOADING:
 - DESIGN VESSEL: 50 FEET.
 - LIVE LOAD
 - FIXED DOCK:
 - 100 PSF UNIFORM LOAD
 - 400-LBS POINT LOAD
 - RAILINGS:
 - 200-LBS CONCENTRATED LOAD (LATERAL)
 - BERTHING LOAD:
 - 3.0 FT/S APPROACH SPEED
 - 30 DEG APPROACH ANGLE
 - WIND LOAD:
 - DOCK (UNOCCUPIED): 170 MPH (3-SEC GUST)
 - DOCKS (OCCUPIED): 45 MPH (3-SEC GUST)
 - E. CURRENT LOAD: 3.3 FT/S
 - F. WAVE LOAD:
 - SIGNIFICANT WAVE HEIGHT (H_s): 2.5 FT
 - WAVE PERIOD: 3.0s
 - G. KAYAK LAUNCH & BOAT LIFT:
SEE SHEET S-101
- DESIGN CODES AND STANDARDS:
 - FLORIDA BUILDING CODE (2020).
 - AMERICAN CONCRETE INSTITUTE - BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-14).
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION MANUAL, 16TH EDITION.
 - AMERICAN WELDING SOCIETY STRUCTURAL WELDING CODE (AWS D1.1 - 2017).
 - AMERICAN SOCIETY OF CIVIL ENGINEERS - MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7-16).
 - FDOT 2022 ROAD & BRIDGE STANDARD SPECIFICATIONS.
 - AMERICAN SOCIETY OF CIVIL ENGINEERS - MANUAL 50 PLANNING AND DESIGN GUIDELINES FOR SMALL CRAFT HARBORS (2012).
 - NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS 2015)

CONCRETE & REINFORCING STEEL

- ALL CONCRETE MATERIALS, REINFORCEMENT, AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH FDOT SPECIFICATION 346, 400, AND 415 UNLESS OTHERWISE NOTED.
- ALL CONCRETE SHALL BE A NORMAL WEIGHT CONCRETE (WITH A MINIMUM DENSITY OF 145 pcf).
- ALL DETAILING, FABRICATION, AND ERECTION OF REINFORCING STEEL SHALL CONFORM TO THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI 315 AND ACI 308.1.
- MATERIALS SHALL CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED:
 - CAST-IN-PLACE CONCRETE 5,500 psi (MIN, FDOT CLASS IV)
 - PRECAST/PRESTRESSED CONCRETE, 6,000 psi (MIN, FDOT CLASS V SPECIAL)
 - REINFORCING STEEL ASTM A615, GRADE 60
- CONCRETE SHALL CONTAIN 3 GAL/CY OF CORROSION INHIBITING ADMIXTURE, EUCON CIA OR APPROVED EQUAL.
- AGGREGATE SHALL CONFORM TO ASTM C 33, NO. 57.
- PROVIDE BROOM FINISH FOR ALL WALKING SURFACES.
- MINIMUM CONCRETE CLEAR COVER FOR REINFORCEMENT, 3" UON.
- PROVIDE 3/4" CHAMFERS ON ALL EXPOSED EDGES AND CORNERS, UON.
- ALL CEMENT SHALL CONFORM TO ASTM C 150, TYPE II FOR AN EXTREMELY AGGRESSIVE ENVIRONMENT, WITH SLAG OR FLY ASH. MAXIMUM W/C RATIO IS 0.41.
- CONTRACTOR SHALL REPAIR ALL SURFACE BLEMISHES IN CONCRETE WITHIN 24 HOURS AFTER FORM REMOVAL.
- ALL CONCRETE WORK, PLACEMENT MEANS, AND METHODS SHALL BE IN ACCORDANCE WITH ACI 304-10, 308-01, 308-1-11 & 347R-03.
- ALL DETAILING, FABRICATION, AND ERECTION OF REINFORCING STEEL SHALL CONFORM TO THE ACI MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES, ACI 315-99. REINFORCING STEEL SHOP DRAWINGS SHALL BE SUBMITTED AND APPROVED PRIOR TO USE IN CONSTRUCTION.
- ALL CONSTRUCTION JOINTS BETWEEN CAST IN PLACE CONCRETE AND BETWEEN PRECAST TO CAST IN PLACE CONCRETE TO BE CLEANED WITH A ROUGHENED SURFACE OF 1/2" AMPLITUDE AND BONDED WITH EPOXY BONDING AGENT.
- ALL DIMENSIONS PERTAINING TO LOCATION OF REINFORCING ARE CENTER TO CENTER LINE OF BARS EXCEPT WHERE THE CLEAR DIMENSION IS SHOWN TO FACE OF CONCRETE.
- METAL CHAIRS ARE NOT ALLOWED AND NO METAL SHALL PROTRUDE FROM SURFACE OF THE CONCRETE.
- CURE CONCRETE USING CONTINUOUS MOISTURE AND/OR MEMBRANE CURING COMPOUND IN ACCORDANCE WITH FDOT SPECIFICATION 400-16.1 AND 400-16.2.



North Bay Village - Building Department
Approved By: Victor Diaz - Planning
Date: 03/20/2023



North Bay Village - Building Department
Approved By: Victor Diaz - Planning
Date: 03/20/2023

- EPOXY BONDING COMPOUND SHALL BE IN ACCORDANCE WITH FDOT SECTION 926 AND 937.
- FOR MECHANICAL REINFORCING BAR CONNECTORS, PROVIDE 125% MINIMUM YIELD STRENGTH OF THE REINFORCEMENT BAR. COAT CONNECTORS IN ACCORDANCE WITH THE SAME REQUIREMENTS AS REINFORCING BARS.
- LAP SPLICES SHALL BE MINIMUM CLASS "B" LAP SPLICES IN ACCORDANCE WITH ACI 318.

PRESTRESSED CONCRETE PILES

- DOCK PILES SHALL BE 14" SQUARE P/S CONCRETE PILES IN ACCORDANCE WITH FDOT DESIGN STANDARD INDEX NO. 455-001 AND 455-014 AND STANDARD SPECIFICATIONS SECTIONS 450 AND 455. STRAND PATTERN SHALL BE 8-1/2" Ø (SPECIAL). PRESTRESSING STEEL SHALL BE SEVEN-WIRE STRAND, GRADE 270, LOW RELAXATION STRAND (LRS).
- CONCRETE FOR PRESTRESSED PILES SHALL BE FDOT CLASS V (SPECIAL). SEE "CONCRETE AND REINFORCING STEEL" NOTES ON THIS SHEET FOR ADDITIONAL INFORMATION.
- ADJUST BOTTOM CAP REINFORCEMENT AS NECESSARY TO FIT DOWEL BARS.
- DRIVE PRESTRESSED CONCRETE PILING IN ACCORDANCE WITH FDOT SPECIFICATION 455-7.
- PILES SHALL BE MANUFACTURED BY AN APPROVED FACILITY IN ACCORDANCE WITH FDOT SPECIFICATIONS.
- SPLICING OF CONCRETE PILES WILL NOT BE PERMITTED.
- CONCRETE STRENGTH:
THE PILE CYLINDER STRENGTH SHALL BE 6,000 PSI MINIMUM AT 28 DAYS AND 4,000 PSI MINIMUM AT TIME OF TRANSFER OF THE PRESTRESSING FORCE.
- REINFORCING STEEL:
ALL REINFORCING STEEL AND DOWELS SHALL BE IN ACCORDANCE WITH ASTM 615 OR ASTM 706, GRADE 60, EXCEPT SPIRAL TIES SHALL BE MANUFACTURED FROM COLD-DRAWN STEEL WIRE MEETING THE REQUIREMENTS OF ASTM A82.
PRESTRESSING STEEL:
PRESTRESSING STEEL SHALL BE SEVEN-WIRE STRAND, GRADE 270, LOW-RELAXATION STRAND (LRS).
- SPIRAL TIES:
EACH WRAP OF SPIRALS SHALL BE TIED TO AT LEAST TWO CORNER STRANDS, ONE TURN REQUIRED FOR SPIRAL SPLICES.
- CONTRACTOR SHALL COORDINATE PILE DRIVING SCHEDULE SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO THE CONCRETE PLACEMENT AND CURING OPERATIONS.
- PREDRILLING MAY BE REQUIRED TO PROVIDE THE MINIMUM EMBEDMENT DEPTH REQUIRED FOR LATERAL CAPACITY.
- EACH PILE PLACED IN A PREDRILLED HOLE SHALL BE DRIVEN BY IMPACT HAMMER TO CONFIRM THE PILE HAS REACHED THE REQUIRED AXIAL SERVICE LOADS.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY PILES THAT DO NOT MEET THE REQUIRED MINIMUM EMBEDMENT AND AXIAL CAPACITY.
- AFTER DRIVING THE PILES AND CLEANING OUT THE CORRUGATED SLEEVES, THE REINFORCING DOWELS SHALL BE INSTALLED WITH NON-SHRINK GROUT.
- LIFTING LOOPS SHALL BE UNDERCUT AND PATCHED PROVIDING 2 1/2" CLEAR COVER.

PILE DRIVING REQUIREMENTS

- PILE ULTIMATE LOADS (FACTOR OF SAFETY: 2.5 FOR COMPRESSION, 3.0 FOR TENSION)

STRUCTURE	PILE TYPE	AXIAL	TENSION	LATERAL
DOCK	14" SQ P/S CONC	27-TON	9-TON	1.7-TON
MOORING PILES	12" Ø TIMBER	N/A	N/A	1.4-TON

- ESTIMATED MINIMUM TIP ELEVATIONS

DOCK	PILE TYPE	MIN TIP ELEVATION (FT)
FIXED DOCK	14" SQ P/S CONC	-31'
MOORING PILES	12" Ø TIMBER	-42'

- ALL PILES SHALL HAVE THE MINIMUM EMBEDMENT DEPTH SPECIFIED. CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY PILES THAT DO NOT REACH THE REQUIRED PILE TIP ELEVATION.
- JETTING OF PILES WILL NOT BE PERMITTED. PRE-DRILLING ONLY PER FDOT SPECIFICATIONS. PRE-DRILLING PROCEDURES SHALL BE SUBMITTED TO THE ENGINEER FOR REVIEW AND APPROVAL PRIOR TO PRE-DRILLING.
- CONTRACTOR SHALL COORDINATE PILE DRIVING SCHEDULE SO AS TO NOT INTERFERE WITH OR BE DETRIMENTAL TO THE CONCRETE PLACEMENT AND CURING OPERATIONS.
- SOIL INFORMATION OBTAINED FROM GEOTECHNICAL REPORT TITLED "SUBSURFACE EXPLORATION MIAMI MONAD TERRACE" BY NV5, INC. DATED NOVEMBER 20, 2015.

- OWNER SHALL RETAIN INDEPENDENT CONSULTANT TO CONDUCT PRE/POST INSPECTION OF ADJACENT STRUCTURES IN ACCORDANCE WITH FDOT SPECIFICATION 108-2.1.2. CONSULTANT SHALL MONITOR VIBRATIONS DURING PILE DRIVING.

- OWNER TO RETAIN SPECIALTY ENGINEER TO OBSERVE PILE DRIVING AND PREPARE REPORT CONFIRMING PILE DRIVING REQUIREMENTS.

EPOXY DOWEL AND ANCHORS

- DOWEL AND ANCHOR EMBEDMENT AND HOLE DIAMETER SHALL BE PER MANUFACTURER'S RECOMMENDATIONS TO DEVELOP 150% OF THE DOWEL OR ANCHOR BOLT TENSILE CAPACITY.
- FOLLOW EPOXY MANUFACTURER'S RECOMMENDATIONS FOR THE INSTALLATION.
- DRILLED HOLES SHALL HAVE ROUGHENED INTERIOR SURFACE AS PER MANUFACTURER'S RECOMMENDATIONS.
- CONTRACTOR SHALL LOCATE REINFORCEMENT PRIOR TO DRILLING HOLES, SO AS NOT TO DAMAGE THE REINFORCING STEEL.
- THE CONTRACTOR SHALL PREPARE A TEMPLATE AND DRILL REQUIRED HOLES.
- EPOXY BONDING COMPOUNDS SHALL BE IN ACCORDANCE WITH FDOT 937 AND 926. NON-SHRINK GROUT SHALL BE IN ACCORDANCE WITH FDOT SECTION 934.
- CONTRACTOR SHALL USE A CARBIDE TIP DRILL. PERCUSSION ROCK DRILL SHALL NOT BE PERMITTED.
- CONTRACTOR SHALL FOLLOW MANUFACTURER'S RECOMMENDATIONS FOR THE MIXING AND APPLICATION OF EPOXY.
- CONTRACTOR SHALL SUBMIT MANUFACTURER'S DATA SHEET AND RECOMMENDATIONS FOR APPROVAL.

MISCELLANEOUS METALS AND FABRICATIONS

- STAINLESS STEEL MATERIALS SHALL CONFORM TO THE FOLLOWING:
 - STAINLESS PLATES, BARS, FABRICATIONS AND HARDWARE ASTM A276, TYPE 316L
 - STAINLESS HEX HEAD BOLTS ASTM A193, A320, F593, TYPE 316L
 - STAINLESS NUTS ASTM F594, TYPE 316L
 - STAINLESS STANDARD FLAT WASHERS ASTM F844, TYPE 316L

TIMBER CONSTRUCTION

- ALL TIMBER CONSTRUCTION SHALL CONFORM TO THE RECOMMENDATIONS OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.
- TIMBER RELATED MATERIALS SHALL CONFORM TO THE FOLLOWING, UNLESS OTHERWISE NOTED:
 - FENDER PILES: GREENHEART TIMBER.
- TIMBER DIMENSIONS INDICATED ON DRAWINGS ARE NOMINAL DIMENSIONS.
- CONTRACTOR SHALL PROVIDE MATERIAL CERTIFICATIONS FOR ALL PERMANENT MATERIAL INCLUDING BUT NOT LIMITED TO TIMBER, TIMBER TREATMENT, AND CONNECTING HARDWARE

TIMBER PILES

- ALL TIMBER CONSTRUCTION SHALL CONFORM TO THE RECOMMENDATIONS OF THE AMERICAN INSTITUTE OF TIMBER CONSTRUCTION.
- TIMBER PILES SHALL BE DRIVEN TO THE TIP ELEVATION INDICATED ON THE DRAWINGS, USING A HAMMER OF AN APPROVED TYPE, WITH A CAPACITY AT LEAST EQUAL TO THE HAMMER MANUFACTURER'S RECOMMENDATION FOR THE TOTAL WEIGHT OF PILE AND THE CHARACTER OF THE SUBSURFACE MATERIAL TO BE ENCOUNTERED.
- TIMBER PILES SHALL CONFORM TO ASTM D 25 AND FDOT STANDARD SPECIFICATION 953.

DECK GRATING

FIBERGLASS GRATING WITH MIN. 43% OPEN AREA SHALL CONFORM TO ASTM F3059

Timothy K. Blankenship
PE No. 55910

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North Bay Village - Building Department
Approved By: Victor Diaz - Planning
Date: 03/20/2023

PAUL VOGEL PARK
NORTH BAY VILLAGE
7800 WEST DRIVE
NORTH BAY VILLAGE, FL 33141

CONSULTANT:

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PROJECT:

VOGEL PARK
MARINE FACILITY
PHASE 2

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: March 3, 2023

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DRAWN BY: CC

REVIEWED BY: GWS

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2023.04.12
09:38:12
-04'00"
11.0.23

TIM BLANKENSHIP
FL LICENSE No. 0055910

SHEET TITLE:

STRUCTURAL
NOTES

SHEET NO.

S-002

PERMIT SUBMITTAL



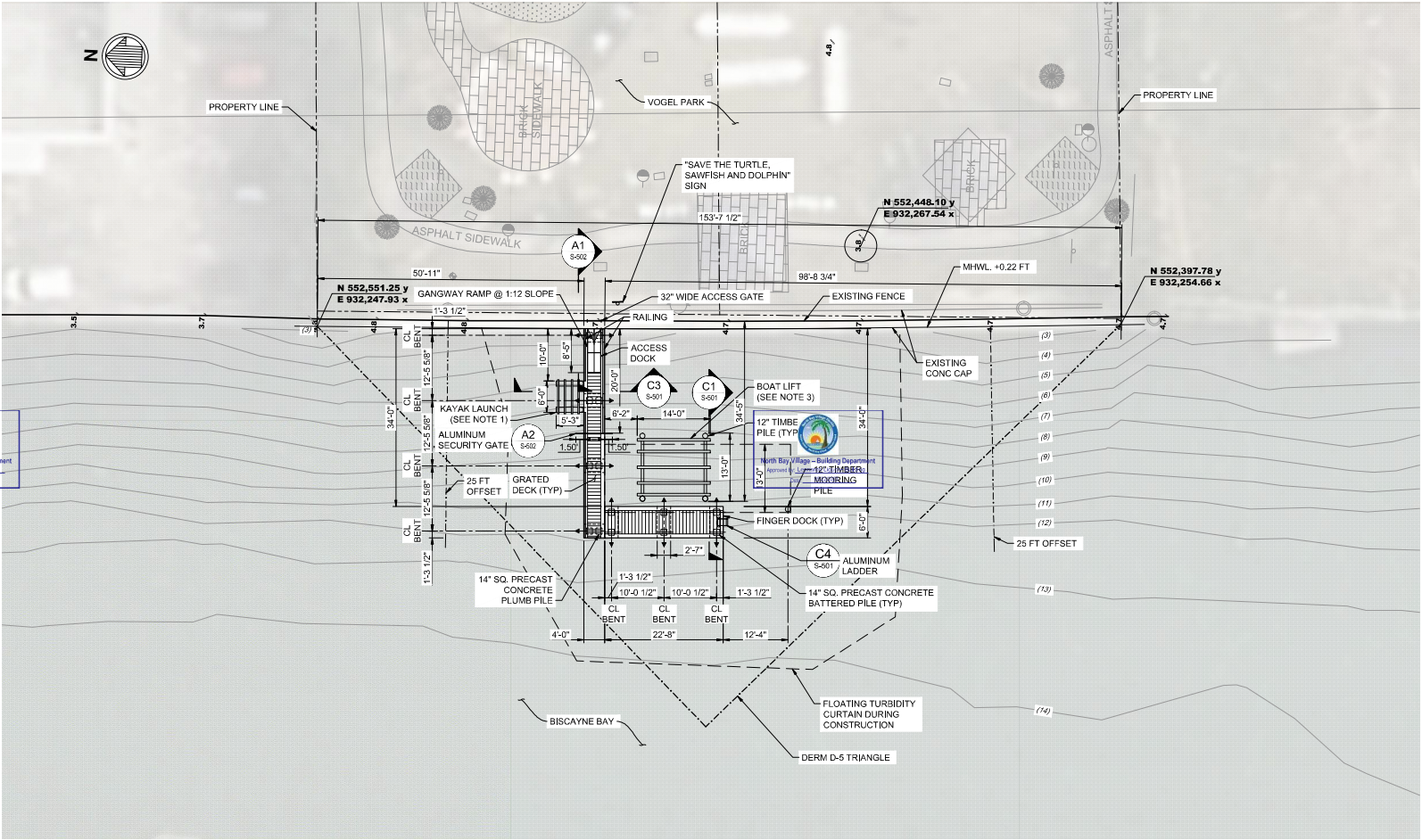
North Bay Village - Building Department
Approved by: [Signature]
Date: 02/02/2023



North Bay Village - Building Department
Approved by: [Signature]
Date: 02/02/2023



North Bay Village - Building Department
Approved by: [Signature]
Date: 02/02/2023



North Bay Village - Building Department
Approved by: [Signature]
Date: 02/02/2023

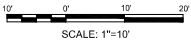
DOCK SUMMARY:

DOCK	296.02 SF
SLIPS	2 (1 35-FOOT POWERBOAT W/LIFT; 1 KAYAK LIFT)
PILE CAPS	7
14" SQ CONCRETE PILES	14
12" Ø TIMBER PILES	5
RAILING	54 FT
PRE-EMPTED AREA	732 SF

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME Lindsay Elam
DATE 02/15/2023

NOTES:

- KAYAK LAUNCH SHALL BE 7-STEP HEAVY DUTY GOLDEN BOAT LIFT KAYAK LAUNCH OR APPROVED EQUAL. MAX. 350 LB CAPACITY OVER WATER. DIMENSIONS ARE 63" X 72" FOR FRAME.
- REFER TO TURBIDITY CURTAIN NOTES ON SHEET S-001 AND TYPICAL DETAILS ON SHEET S-001.
- BOAT LIFT SHALL BE GOLDEN ENGINEERED 4-POST, 2-MOTOR SEA DRIVE, 16,000 LBS BOAT LIFT OR APPROVED EQUAL.



2023.04.12
09:40:36
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11.0.23

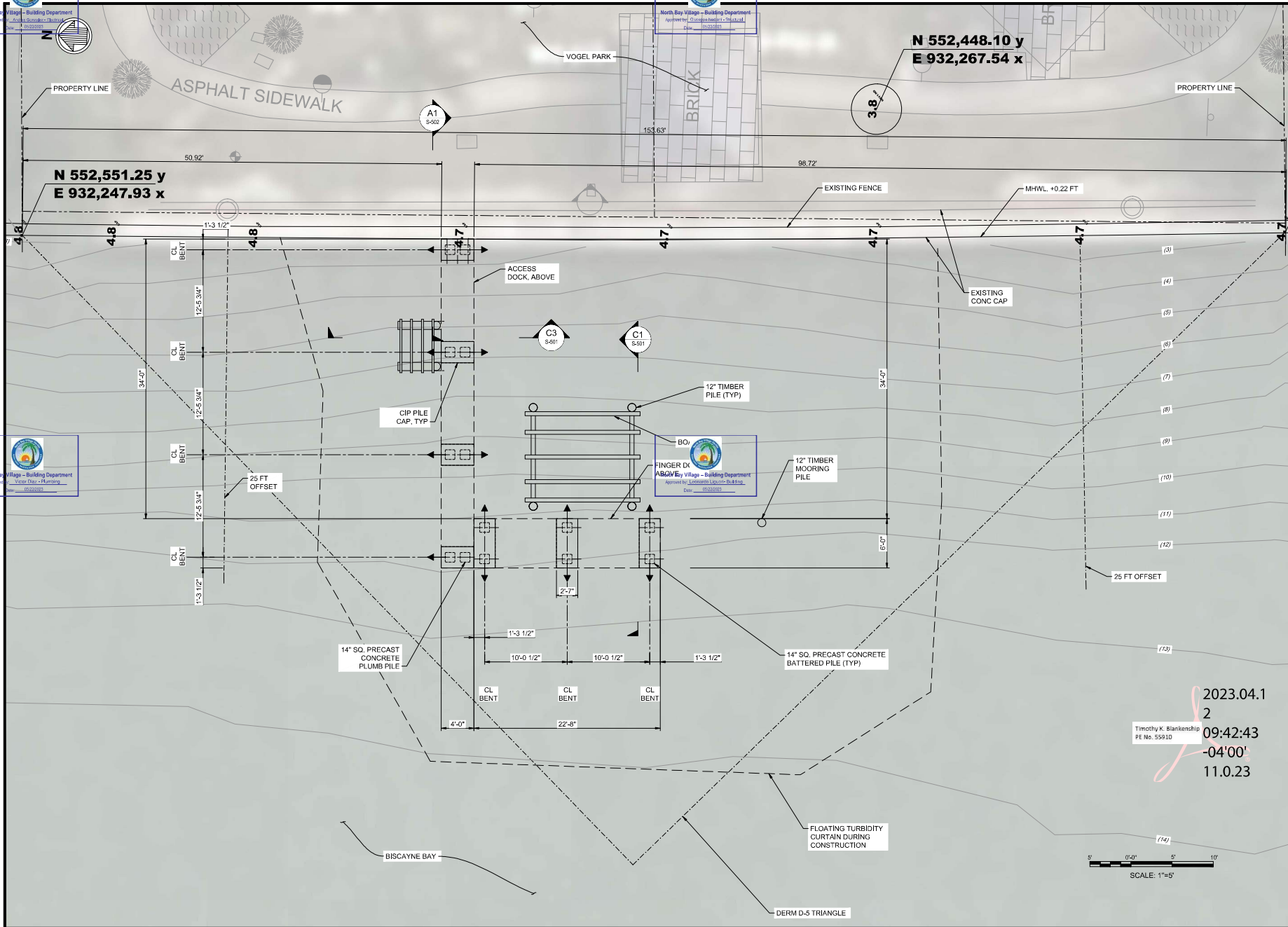
2023.02.09
12:07:30
-05'00"
11.0.23

TIM BLANKENSHIP
FL LICENSE No. 0055910

SITE PLAN

SHEET NO. S-101

PERMIT SUBMITTAL



CONSULTANT:



EAC Consulting, Inc.

5959 BLUE LAGOON DRIVE, SUITE 410
MIAMI, FL 33126
PH: 305-265-5400
EAC PROJECT No. 19075.LD01-09

SUB-CONSULTANT:


moffatt & nichol
2937 SW 27th AVE., STE 101A
MIAMI, FL 33133
305-230-1924
(FL EB 4877)

PROJECT:

**VOGEL PARK
MARINE FACILITY
PHASE 2**

KEY MAP:

[illegible]

DATE ISSUED:	
DESIGNED BY: VB	
DRAWN BY: CC	
REVIEWED BY: GWS	

SEAL:

2023.04.1
2 09:41:26
Timothy K. Blankenship
PE No. 55910
-04'00"
11.0.23

TIM BLANKENSHIP

FL LICENSE No. 0055910

SHEET TITLE:

PILE PLAN

PILE PLAN

SHEET NO. 2-122

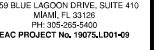
S-102

PERMIT SUBMITTAL

PLAN SCALE CORRESPONDS TO PLOT SIZE 24"x36". IF PLOTTED ON OTHER SIZE, EOR DOES NOT WARRANT THE ACCURACY OF THE PLAN SCALE. C:\MIA\19967-0420 CAD00_ACTIVE_VOXEL_PARK_DOCK\19067\04S-102.DWG Modif 9, 2023 11:17 AM GARCIA, HAROLD



CONSULTANT: _____



SUB-CONSULTANT:



PROJECT:

**VOGEL PARK
MARINE FACILITY
PHASE 2**

KEY MAP:

REVISIONS:

[illegible]

DATE ISSUED _____

DESIGNED BY: VB

DRAWN BY: CC

REVIEW

2023.04.

12

12

E No. 55210

~~-04'00'~~

11.022

11.0.23

TIM BLANKENSHIP
 EL PASO, TEXAS

SHEET TITLE:

DECK PLAN

© 2000 Blackwell Science Ltd *Journal of Internal Medicine* 247: 103–110

S 103

PERMIT SUBMITTA



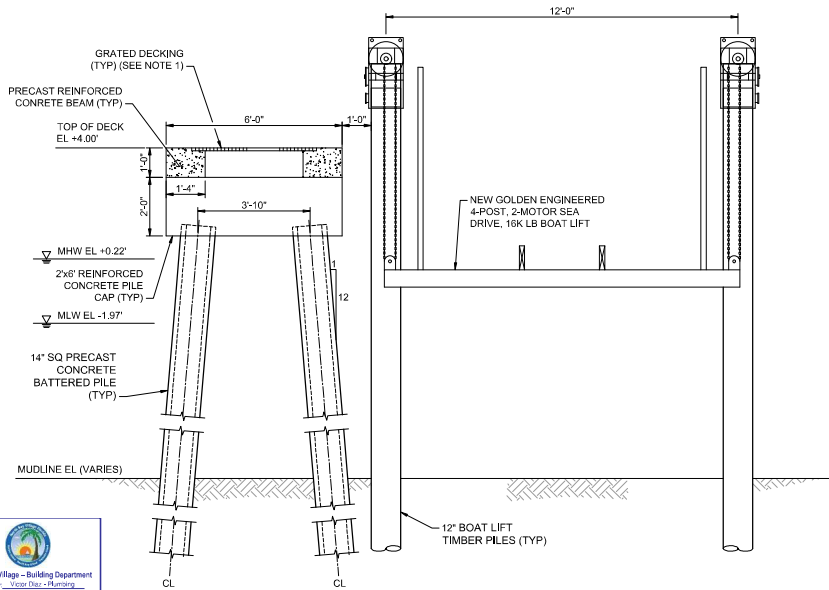
North Bay Village - Building Department
Approved by: Victor Diaz - Planning
Date: 02/22/2023



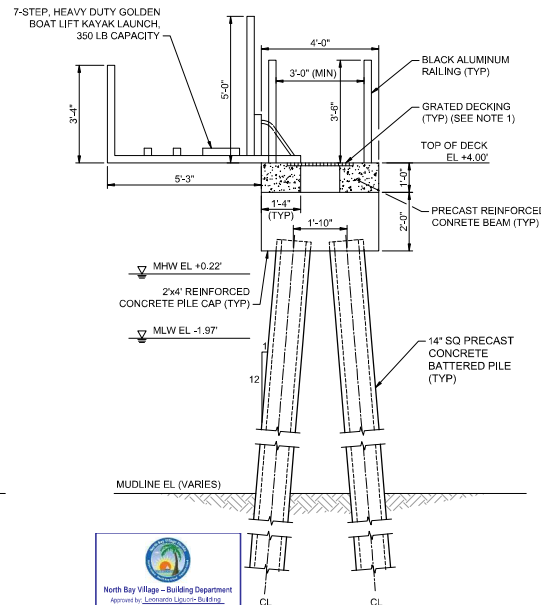
North Bay Village - Building Department
Approved by: Christopher Heston - Electrical
Date: 02/22/2023



North Bay Village - Building Department
Approved by: Christopher Heston - Electrical
Date: 02/22/2023



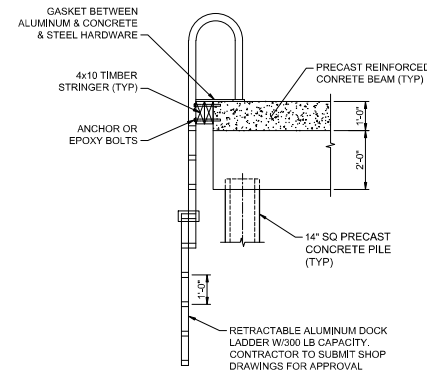
C1 SECTION - DOCK AND BOAT LIFT
SCALE: 1/2" = 1'-0"



C3 SECTION - ACCESS DOCK
SCALE: 1/2" = 1'-0"

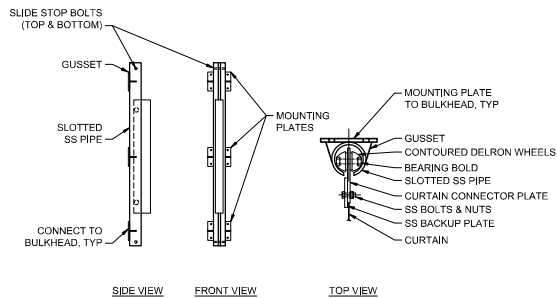
Notes

1. GRATED DECKING MUST ALLOW THE PASSAGE OF LIGHT THROUGH THE OPEN SPACES WITH A MINIMUM OF 43% OPEN SPACE.

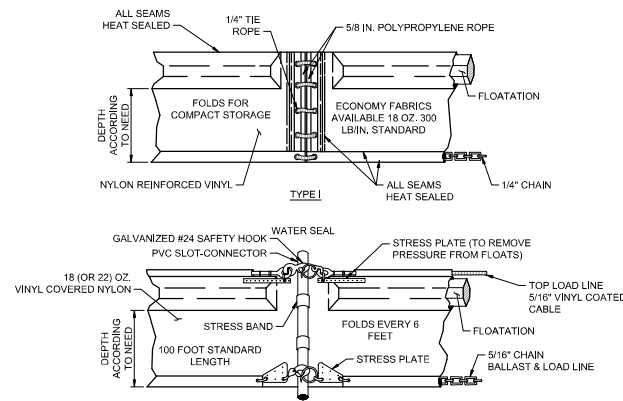


C4 DETAIL - LADDER
SCALE: 1/2" = 1'-0"

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME Lindsay Elam
DATE 02/15/2023



A1 DETAIL - TURBIDITY CURTAIN
SCALE: NTS



A3 SECTION - TURBIDITY CURTAIN
SCALE: NTS

SCALE: 1/2" = 1'-0"

PAUL VOGEL PARK NORTH BAY VILLAGE 7800 WEST DRIVE NORTH BAY VILLAGE, FL 33141			
CONSULTANT: EAC Consulting, Inc. 9559 BLUE LAGOON DRIVE, SUITE 410 MIAMI, FL 33126 PH: 305-265-5400 EAC PROJECT NO. 190753.001-09			
SUB-CONSULTANT: moftatt & nichel 2837 SW 27TH AVE., STE 101A MIAMI, FL 33133 305-230-1924 (FL EB 4877)			
PROJECT: VOGEL PARK MARINE FACILITY PHASE 2			
KEY MAP:			
REVISIONS:			
NO.	DESCRIPTION	DATE	BY
DATE ISSUED: April 12, 2022			
DESIGNED BY: VB			
DRAWN BY: CC			
REVIEWED BY: KT			
SEAL			
2023.04.12 09:44:29 Timothy K. Blankenship PE No. 55510			
2023.02.09 12:07:58 -05'00" 11.0.23			
TIM BLANKENSHIP FL LICENSE No. 0055916			
SHEET TITLE:			
DOCK DETAILS (1 OF 2)			
SHEET NO.			
S-501			
PERMIT SUBMITTAL			



North Bay Village - Building Department
Approved by: Victor Diaz - Planning
Date: 02/22/2023



North Bay Village - Building Department
Approved by: Christopher Heston - Structural
Date: 02/22/2023



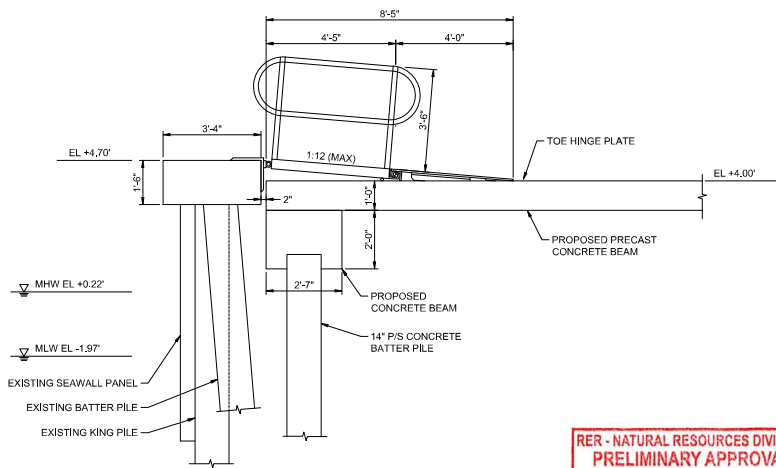
North Bay Village - Building Department
Approved by: Christopher Heston - Structural
Date: 02/22/2023



North Bay Village - Building Department
Approved by: Victor Diaz - Planning
Date: 02/22/2023

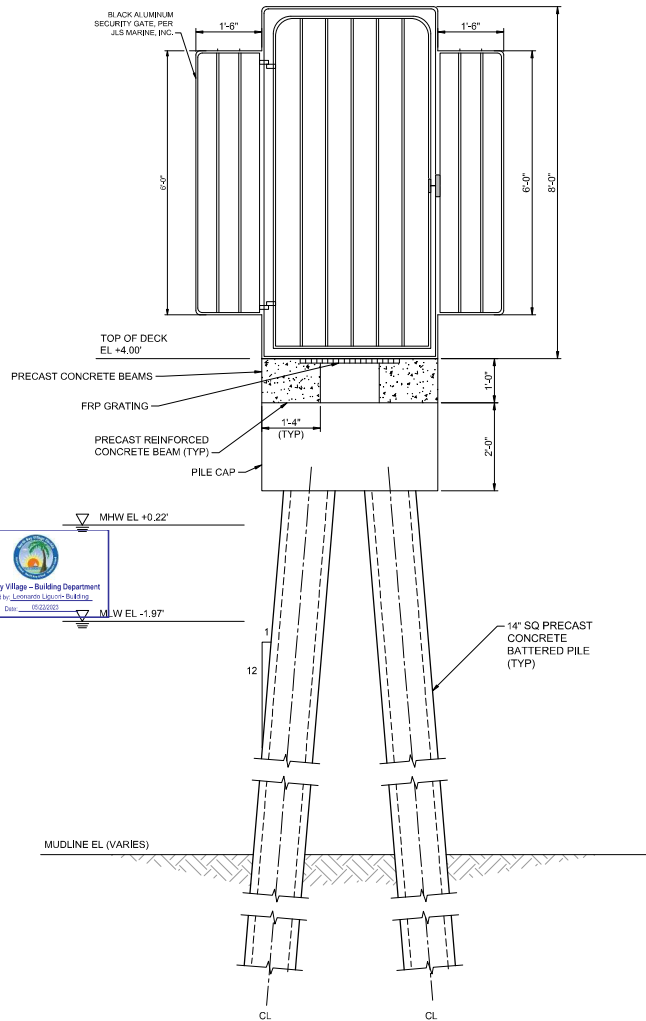


North Bay Village - Building Department
Approved by: Christopher Heston - Structural
Date: 02/22/2023



A1 SECTION - GANGWAY
SCALE: 1/2"=1'-0"

RER - NATURAL RESOURCES DIVISION
PRELIMINARY APPROVAL
NAME Lindsay Elam
DATE 02/15/2023



A2 SECURITY GATE
SCALE: 3/4"=1'-0"

2'-0" 6'-0" 10'-0" 24'-0"
SCALE: 3/4"=1'-0"
2'-0" 6'-0" 10'-0" 24'-0"
SCALE: 1/2"=1'-0"



PAUL VOGEL PARK
NORTH BAY VILLAGE
7800 WEST DRIVE
NORTH BAY VILLAGE, FL 33141

CONSULTANT:

EAC
EAC Consulting, Inc.
5959 BLUE LAGOON DRIVE, SUITE 410
MIAMI, FL 33156
PH 305-265-5400
EAC PROJECT No. 1907SL001-09

SUB-CONSULTANT:

moffatt & nichel
2837 SW 27th AVE., STE 101A
MIAMI, FL 33133
305-230-1924
(FL EB 4877)

PROJECT:

VOGEL PARK
MARINE FACILITY
PHASE 2

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

DATE ISSUED: April 22, 2023

DESIGNED BY: VB

DRAWN BY: CL

REVIEWED BY: KT

SEAL:

2023.04.12

Timothy K. Blankenship
PE No. 55510

12:08:37
-05'00"

11.0.23

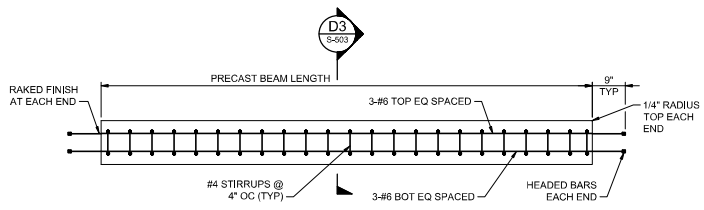
TIM BLANKENSHIP
FL LICENSE No. 0055910

SHEET TITLE:

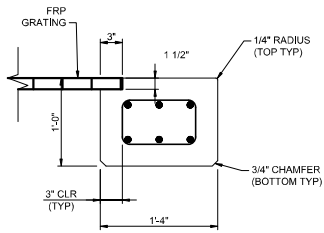
DOCK DETAILS
(2 OF 2)

SHEET No.
S-502

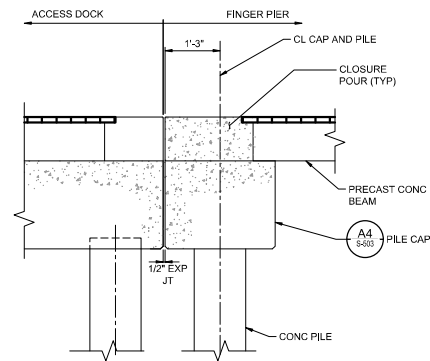
PERMIT SUBMITTAL



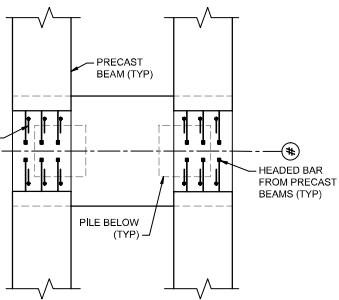
D1 PRECAST BEAM ELEVATION
SCALE: 3/4"=1'-0"



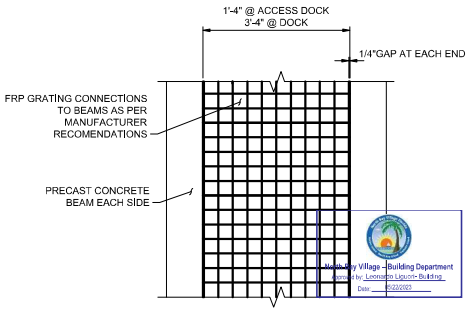
D3 PRECAST BEAM SECTION
SCALE: 1 1/2"=1'-0"



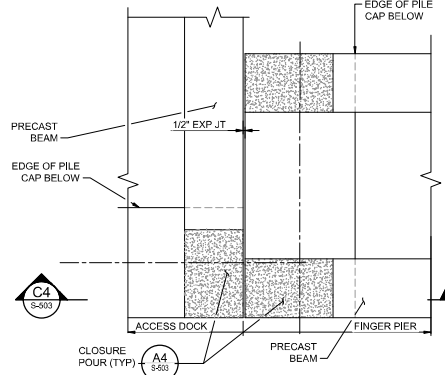
C4 SECTION AT END OF ACCESS DOCK
SCALE: 3/4"=1'-0"



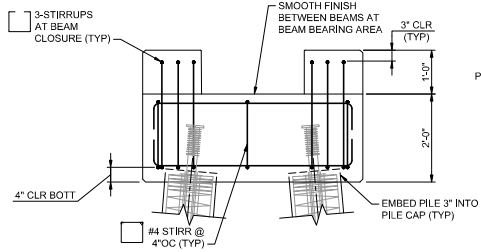
B1 PILE CAP REINFORCING PLAN
SCALE: 3/4"=1'-0"



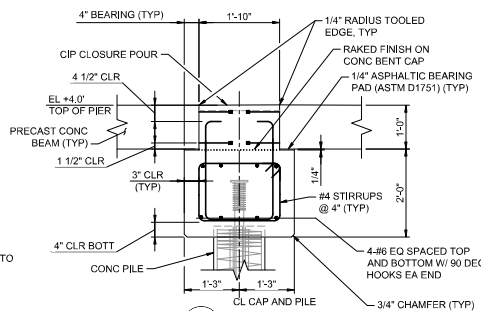
B3 GRATING DECK
SCALE: 3/4"=1'-0"



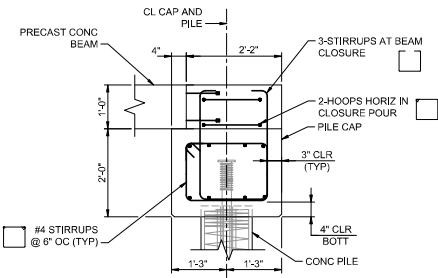
B5 ENLARGED PLAN AT END OF ACCESS DOCK
SCALE: 3/4"=1'-0"
NOTE: GRATING NOT SHOWN FOR CLARITY.



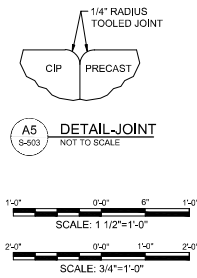
A1 PILE CAP REINFORCING ELEVATION
SCALE: 3/4"=1'-0"



A2 SECTION
SCALE: 3/4"=1'-0"



A4 - SECTION AT END OF FINGER PIER
SCALE: 3/4"=1'-0"



A5 DETAIL-JOINT
SCALE: 1 1/2"=1'-0"

**PAUL VOGEL PARK
NORTH BAY VILLAGE**
7002 WEST DRIVE
NORTH BAY VILLAGE, FL 33141

CONSULTANT:
EAC
EAC Consulting, Inc.
5959 BLUE LAGOON DRIVE, SUITE 410
MIAMI, FL 33126
PH: 305-265-5400
EAC PROJECT NO. 1907SL001-09

SUB-CONSULTANT:
moffatt & nichel
2837 SW 27th AVE., STE 101A
MIAMI, FL 33133
305-230-1924
(FL EB 4877)

PROJECT:
**VOGEL PARK
MARINE FACILITY
PHASE 2**

KEY MAP:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED:
DESIGNED BY: VB
DRAWN BY: CL
REVIEWED BY: GWS
SEAL:

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2 09:48:34
-04'00'
11.0.23

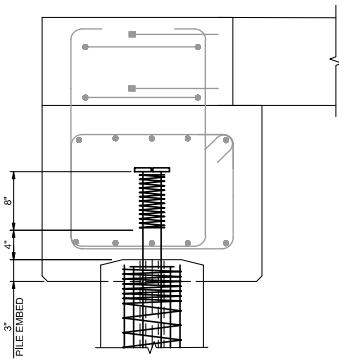
TIM BLANKENSHIP
FL LICENSE NO. 9055910

SHEET TITLE:
**STRUCTURAL DETAILS
(1 OF 2)**

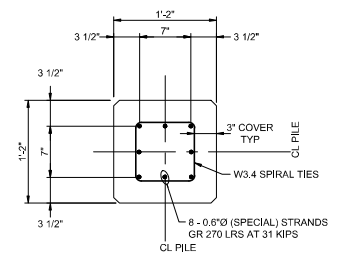
SHEET NO.
S-503

PERMIT SUBMITTAL

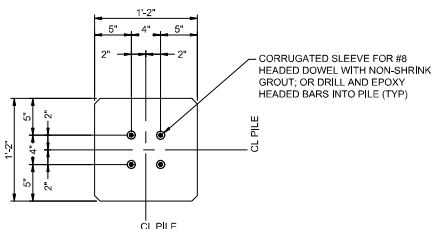
PLAN SHALL CONFORM TO ALL CITY, STATE AND FEDERAL REQUIREMENTS. IF ANY DISCREPANCY EXISTS BETWEEN THE PLAN SCALE AND THE ACTUAL SCALE OF THE PROJECT, THE ACTUAL SCALE SHALL PREVAIL. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.



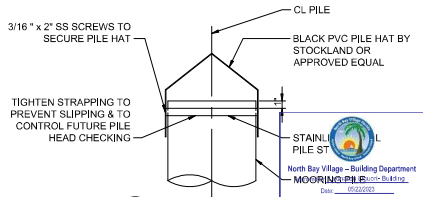
C1
S-504
DETAIL-PILE EMBEDMENT
SCALE: 1 1/2" = 1'-0"



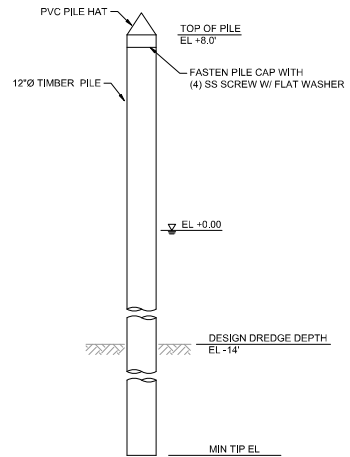
C2
S-504
SECTION
SCALE: 1 1/2" = 1'-0"



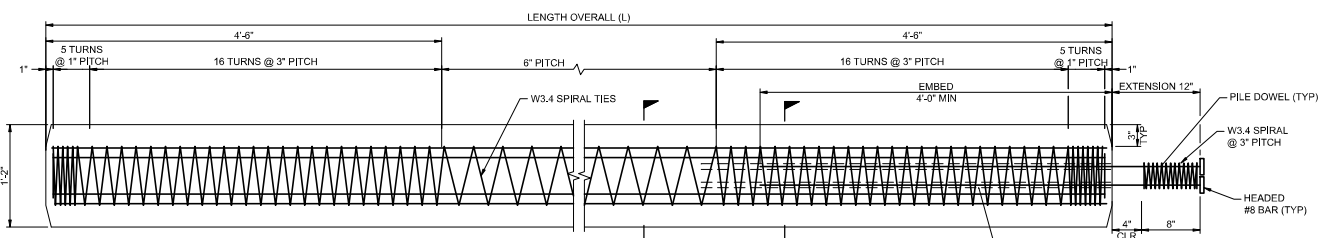
B1
S-504
SECTION
SCALE: 1 1/2" = 1'-0"



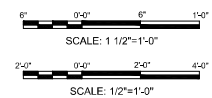
B2
S-504
PVC PILE HAT DETAIL
SCALE: 1 1/2" = 1'-0"



B4
S-504
DETAIL-MOORING PILE
SCALE: 1/2" = 1'-0"



A1
S-504
14 IN. PILE ELEVATION
SCALE: 1 1/2" = 1'-0"



**PAUL VOGEL PARK
NORTH BAY VILLAGE**
7802 WEST DRIVE
NORTH BAY VILLAGE, FL 33141

CONSULTANT:
EAC
EAC Consulting, Inc.
5959 BLUE LAGOON DRIVE, SUITE 410
MIAMI, FL 33126
PH: 305-285-5400
EAC PROJECT NO. 1907SL001-09

SUB-CONSULTANT:
moffatt & nichel
2937 SW 27th AVE., STE 101A
MIAMI, FL 33133
305-230-1924
(FL EB 4877)

PROJECT:
**VOGEL PARK
MARINE FACILITY
PHASE 2**

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: March 03, 2022
DESIGNED BY: VB
DRAWN BY: CL
REVIEWED BY: GWS

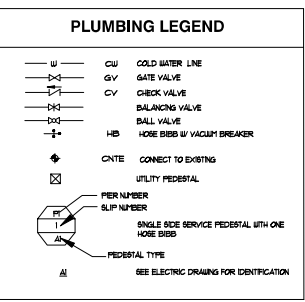
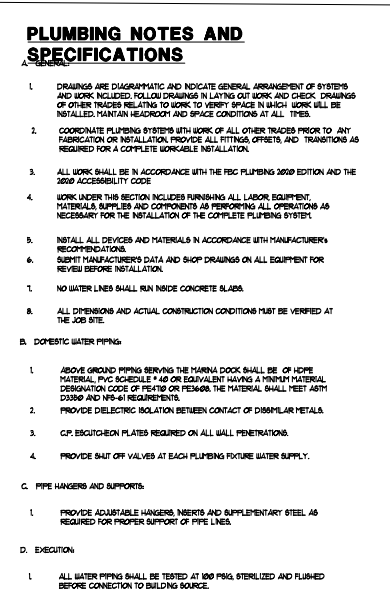
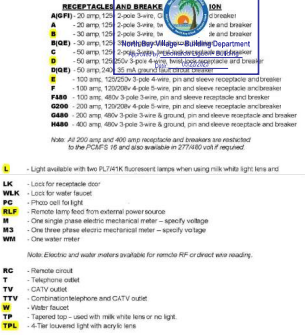
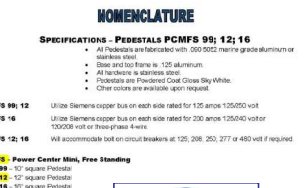
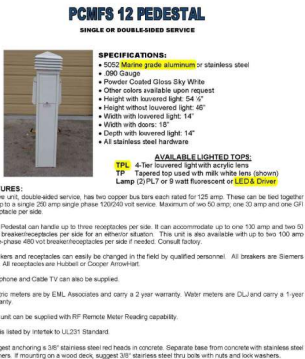
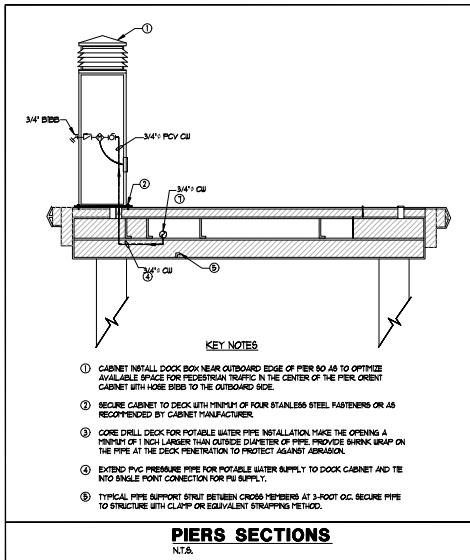
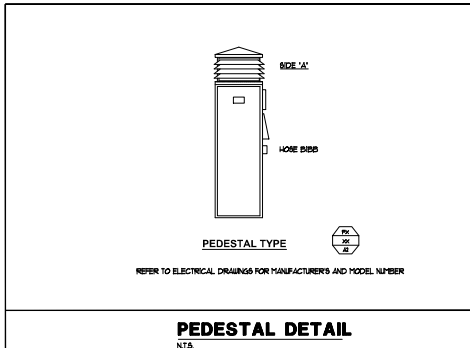
SEAL

2023.04.1
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09:49:53
-04'00"
11.0.23
TIM BLANKENSHIP
FL LICENSE No. 9355910

SHEET TITLE:
**STRUCTURAL DETAILS
(2 OF 2)**

SHEET NO.
S-504

PERMIT SUBMITTAL



THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY RENE I. BASULTO, P.E. ON THE DATE ADJACENT TO THE SEAL. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

CONSULTANT:
EAC
EAC Consulting, Inc.
5959 BLUE LAGOON DRIVE, SUITE 410
MIAMI, FL 33156
PH: 305-265-5400
EAC PROJECT NO. 1907SLD01-09

SUB-CONSULTANT:
Project No. - 21087
BASULTO
CONSULTING ENGINEERS
René I. Basulto, P.E.
1448 Palmetto Forestry Road
Suite 202, Miami Lakes, FL 33014
PH: 408-6111 • F: 305-424-1232
www.basulto.com
305-498-2948, 305-498-2949

DESIGN TICKET NO. 088304263
Sunshine
Call 811 or www.call811.com to find all
buried and surface utilities to avoid before
excavating or drilling.
Noted and marked.
(See www.call811.com for more info)

PROJECT:
**VOGEL PARK
MARINE FACILITY
PHASE II**

KEY MAP:			
REVISED:			
NO.	DESCRIPTION	DATE	BY

DATE ISSUED: May 02, 2022
DESIGNED BY: C.Y.
DRAWN BY: D.T.
REVIEWED BY: C.Y.

SEAL
René I. Basulto
P.E. 40869
10-19-00
130432
04-10-2023
RENE I. BASULTO, P.E.
P.E. 40869
SHEET TITLE:

GENERAL NOTES,
SYMBOLS LEGEND
AND
DETAILS

SHEET NO.
P-1.0
100% CONSTRUCTION DOCUMENTS



North Bay Village - Building Department
Approved by: Victor Diaz - Planning
Date: 05/22/2023



North Bay Village - Building Department
Approved by: Victor Diaz - Planning
Date: 05/22/2023



North Bay Village - Building Department
Approved by: Victor Diaz - Planning
Date: 05/22/2023



OVERALL SITE PLAN
SCALE: 1" = 10'-0"

Rene I. Basulto

CONSULTANT:
EAC
EAC Consulting, Inc.
5959 BLUE LAGOON DRIVE, SUITE 410
MIAMI, FL 33156
PH: 305-265-5400
EAC PROJECT NO. 1907SLD01-09

SUB-CONSULTANT:
Project No. - 21087
BASULTO
CONSULTING ENGINEERS
Rene I. Basulto, P.E.
14480 Palmetto Forest Road
Suite 212, Miami Lakes, FL 33054
www.basulto.com
305-498-3468, Fax: 305-498-3469

DESIGN TICKET NO. 085302420
Sunshine
Call 811 or www.sunshine11.com for full
buried and/or visible utility location
information and marking.
(Not responsible for utility location or depth)

PROJECT:
**VOGEL PARK
MARINE FACILITY
PHASE II**

KEY MAP:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: May 2, 2022
DESIGNED BY: C.Y.
DRAWN BY: D.T.
REVIEWED BY: C.Y.

SEAL
Rene I. Basulto
No. 40869
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
04-10-2023
RENE I. BASULTO, P.E.
P.E. 40869

SHEET TITLE:
**OVERALL PLUMBING
SITE PLAN**

SHEET NO.
P-2.0

100% CONSTRUCTION DOCUMENTS

THIS ITEM HAS BEEN DIGITALLY SIGNED
AND SEALED BY RENE I. BASULTO, P.E.
ON THE DATE ADJACENT TO THE SEAL.
PRINTED COPIES OF THIS DOCUMENT
ARE NOT CONSIDERED SIGNED AND
SEALED AND THE SIGNATURE MUST BE
VERIFIED ON ANY ELECTRONIC COPIES.

NOT FOR CONSTRUCTION WITHOUT PERMITS AND APPROVALS OF REGULATORY AGENCIES

PLAN SCALE: CORRESPONDING TO PLAN SHEET P-2.0. IF PLOTTED ON OTHER SIZE, CONTRACTOR SHALL WARRANT THE ACCURACY OF THE PLAN SCALE. CONTRACTOR SHALL WARRANT THE ACCURACY OF THE PLAN SCALE. CONTRACTOR SHALL WARRANT THE ACCURACY OF THE PLAN SCALE. CONTRACTOR SHALL WARRANT THE ACCURACY OF THE PLAN SCALE.



North Bay Village - Building Department
Approved by: Andrea Sotomayor - Electrical
Date: 05/02/2023



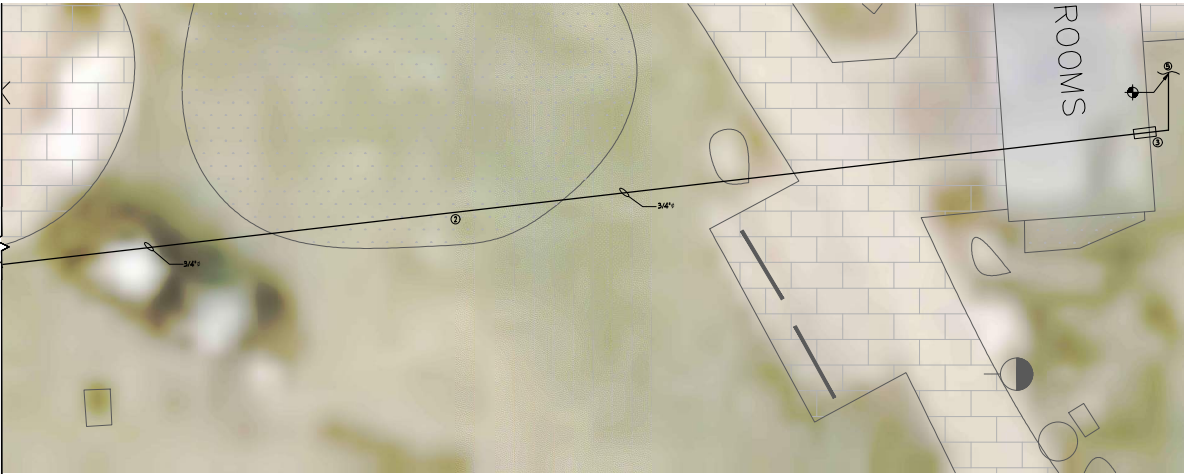
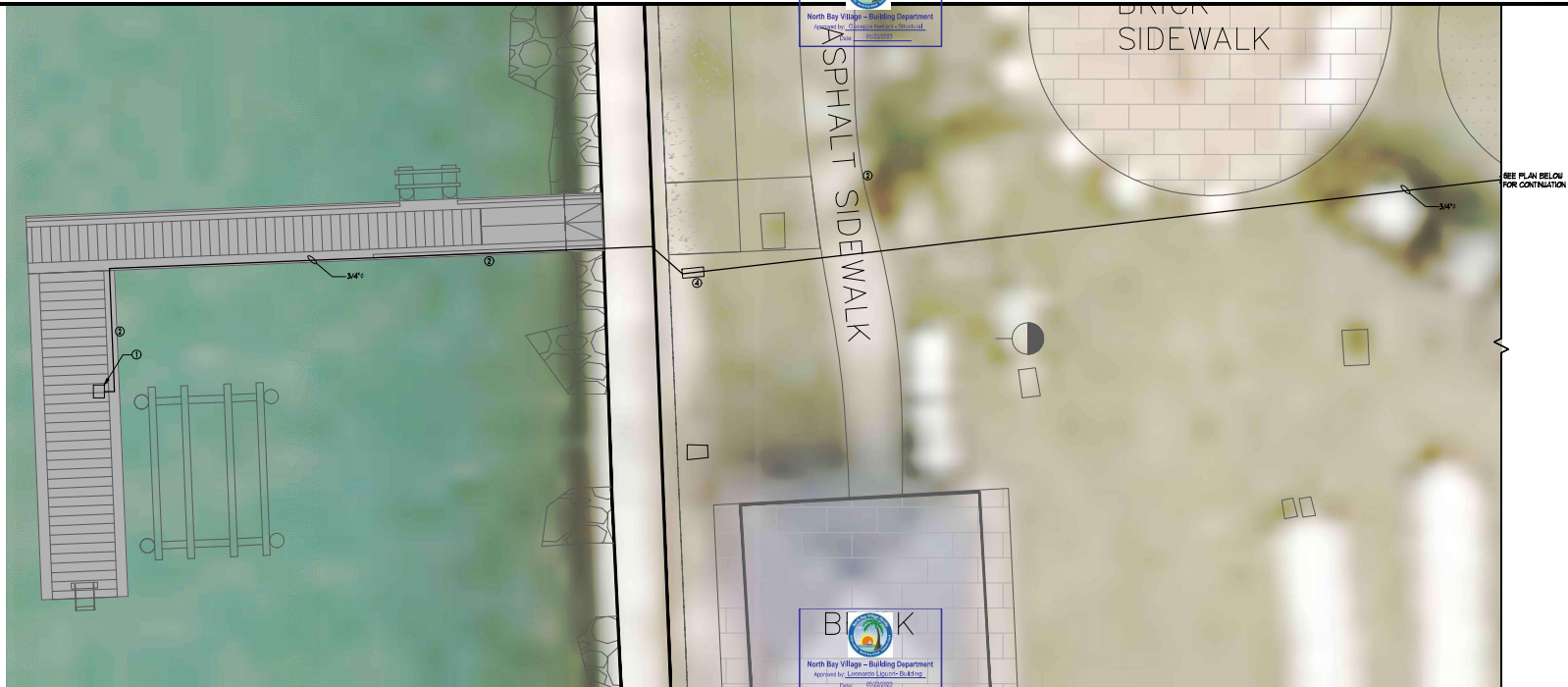
North Bay Village - Building Department
Approved by: Vicente Diaz - Plumbing
Date: 05/02/2023



North Bay Village - Building Department
Approved by: Andrea Sotomayor - Electrical
Date: 05/02/2023

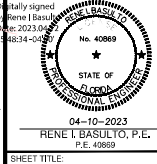


North Bay Village - Building Department
Approved by: Andrea Sotomayor - Electrical
Date: 05/02/2023



- KEY NOTES**
- ① NEW MARINA POLDER PRECASTAL WITH GENERAL PURPOSE RECEPTACLE AND WATER CONNECTION.
 - ② 3/4" DOMESTIC WATER PIPE.
 - ③ DIRECTIONAL DRILL ENTRANCE PIT
 - ④ DIRECTIONAL DRILL EXIT PIT
 - ⑤ CONNECTING TO EXISTING DOMESTIC WATER PIPE. THE EXACT LOCATION OF THE PIPES HAS TO BE FOUND ON THE FIELD BY THE CONTRACTOR.

Rene I Basulto



ENLARGED PLUMBING DOCK PLAN

SHEET NO. **P-3.0**

100% CONSTRUCTION DOCUMENTS

ENLARGED DOCK PLAN
SCALE: 1/4" = 1'-0"

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CONSULTANT:
EAC
EAC Consulting, Inc.
5959 BLUE LAGOON DRIVE, SUITE 410
MIAMI, FL 33156
PH: 305-265-5400
EAC PROJECT No. 1907SL001-09

SUB-CONSULTANT:
Project No. - 21087
BASULTO ASSOCIATES
CONSULTING ENGINEERS
Rene I. Basulto, P.E.
1448 Palmetto-Forestry Road
Suite 212, Miami Lakes, FL 33014
www.basulto.com
305-498-3468, Fax: 305-498-3469

DESIGN TICKET NO. 085302420
SunshineFL
Call 811 or www.sunshinefl.com to find all
buried underground utilities before you dig.
Locate and mark.

PROJECT:
VOGEL PARK MARINE FACILITY PHASE II

KEY MAP:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: May 2, 2022
DESIGNED BY: C.Y.
DRAWN BY: D.T.
REVIEWED BY: C.Y.

SEAL
Digitally signed
Rene I. Basulto
Date: 2023.04.10 14:34 -0400
No. 40869
STATE OF FLORIDA
PROFESSIONAL ENGINEER
04-10-2023
RENE I. BASULTO, P.E.
P.E. #0869

SHEET TITLE:
ENLARGED PLUMBING DOCK PLAN

SHEET NO.
P-3.0

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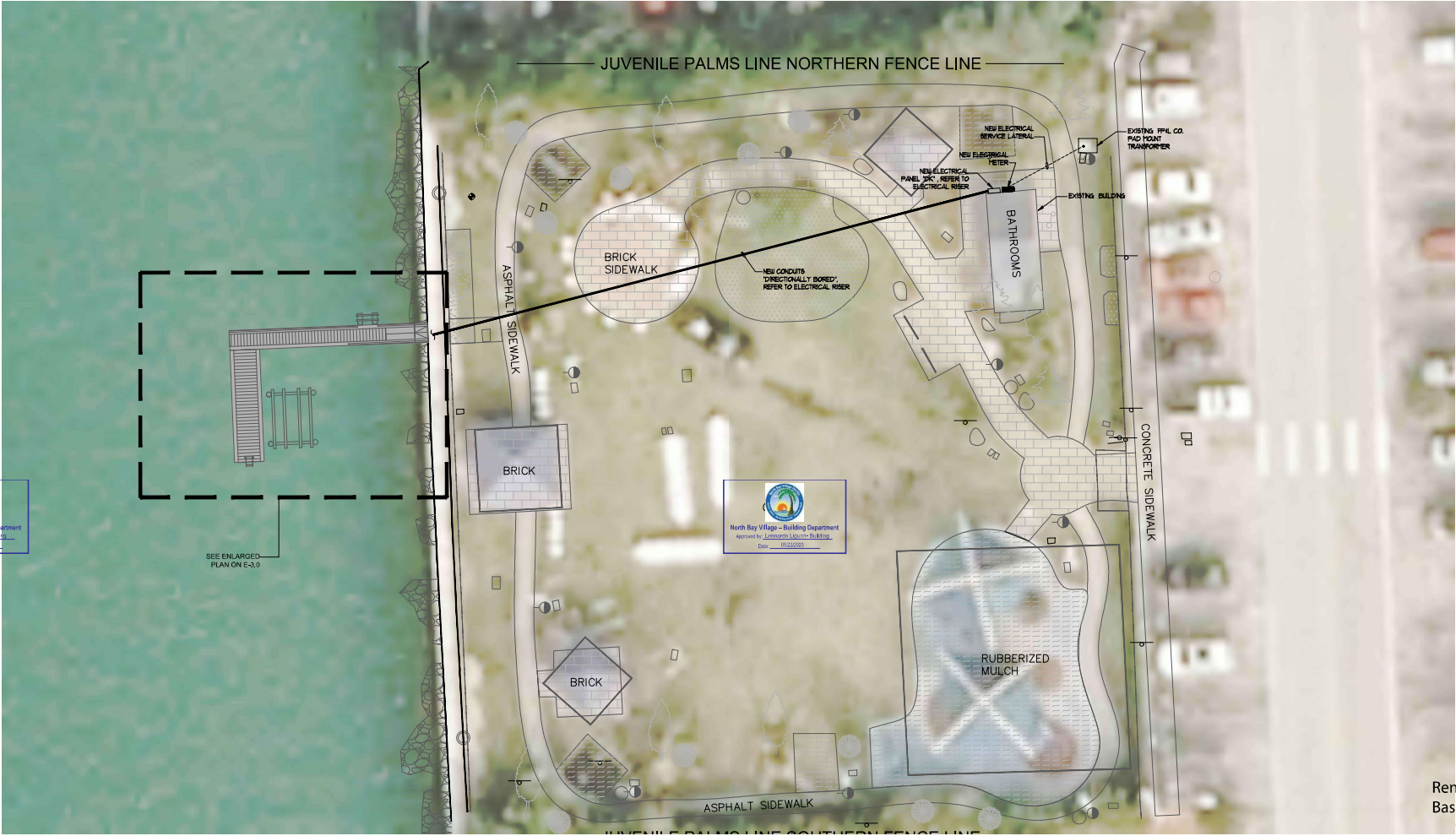
PLAN SHALL CONFORM TO THE LATEST EDITIONS OF THE FLORIDA BUILDING CODE, PLUMBING CODE, AND ELECTRICAL CODE. THE ACCURACY OF THE PLAN SHALL BE THE RESPONSIBILITY OF THE DESIGNER. THE DESIGNER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM THE APPROPRIATE AGENCIES.

North Bay Village - Building Department
Approved by: Victor Diaz - Planning
Date: 05/22/2023

North Bay Village - Building Department
Approved by: Victor Diaz - Planning
Date: 05/22/2023

North Bay Village - Building Department
Approved by: Victor Diaz - Planning
Date: 05/22/2023

North Bay Village - Building Department
Approved by: Victor Diaz - Planning
Date: 05/22/2023



OVERALL ELECTRICAL SITE PLAN
SCALE: 1" = 10'-0"

CONSULTANT:
EAC
EAC Consulting, Inc.
5959 BLUE LAGOON DRIVE, SUITE 410
MIAMI, FL 33150
PH: 305-255-5400
EAC PROJECT NO. 1907SLD01-09

SUB-CONSULTANT:
Project No. - 21087
BASULTO
CONSULTING ENGINEERS
Rene I. Basulto, P.E.
1448 Palmetto-Forestry Road
Suite 212, Miami Lakes, FL 33014
www.basulto.com
305-498-3468, Fax: 305-498-3469

DESIGN TICKET NO. 088304283
SunshineFL
Call 811 or www.sunshinefl.com for full
buried utility information. Digging is not allowed
without a permit.
(Check for underground utilities before digging)

PROJECT:
**VOGEL PARK
MARINE FACILITY
PHASE II**

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY

DATE ISSUED: May 2, 2022
DESIGNED BY: C.Y.
DRAWN BY: D.T.
REVIEWED BY: C.Y.

RENE I. BASULTO
P.E. 40869
04-10-2023
RENE I. BASULTO, P.E.
P.E. 40869

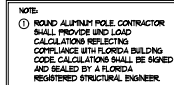
SHEET TITLE:
**OVERALL ELECTRICAL
SITE PLAN**

SHEET NO.
E-2.0

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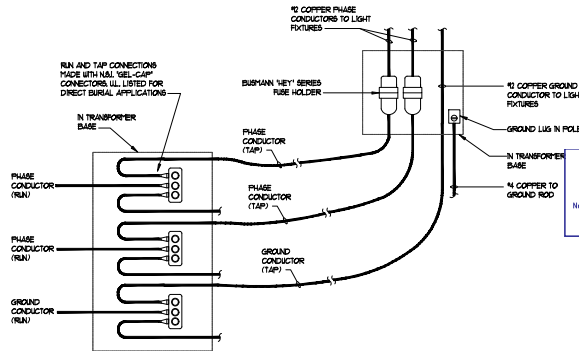
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NTS.

NTS



NTS.

NOTE: WIRE NUTS NOT PERMITTED



Project Name:	
Order Number:	
Type:	

The **Pavilion II** LED series is a versatile and contemporary fixture for architectural applications where scale and style are essential.

Two cap choices combined with three shapes of shades, allow for a number of design options. The decorative fins are cast aluminum.

Durable polyester powder coat finish is available in an array of architect colors.

The **Pavilion II** series is an elegant choice for parks, retail settings, restaurants and sports arenas.

MODEL	OPTICS	SOURCE	CURRENT	KELVIN	VOLTAGE	MOUNTING	FINISH	CAP/SHADE	OPTIONS	OPTIC	
PD-L	T1 Fast	16LC	3 300mA	3K	200VAC	UNW 120-077	AM Am-Black	B2 Brown	C1	PG-180 PG-220 PG-260	VW Violet White
	T2	26LC	5	4K	500VAC	SMV Yokumatsu	B1 Black	C3	PG-277	PG-320	PG-360
	T2	46LC	5	5000K	500VAC	SMV Yokumatsu	B1 Black	C3	PG-277	PG-320	PG-360
	T2	64LC	5	4K	500VAC	SMV Yokumatsu	B1 Black	C3	PG-277	PG-320	PG-360
	T2	80LC	5	5000K	500VAC	SMV Yokumatsu	B1 Black	C3	PG-277	PG-320	PG-360
	T4	80LC	5	5000K	500VAC	SMV Yokumatsu	B1 Black	C3	PG-277	PG-320	PG-360
	T4A Auto-Reset	80LC	5	5000K	500VAC	SMV Yokumatsu	B1 Black	C3	PG-277	PG-320	PG-360
	T5	80LC	5	5000K	500VAC	SMV Yokumatsu	B1 Black	C3	PG-277	PG-320	PG-360
	T5	80LC	5	5000K	500VAC	SMV Yokumatsu	B1 Black	C3	PG-277	PG-320	PG-360
	T5	80LC	5	5000K	500VAC	SMV Yokumatsu	B1 Black	C3	PG-277	PG-320	PG-360
T5W Type-5 Wide	T5W	80LC	5	5000K	500VAC	SMV Yokumatsu	B1 Black	C3	PG-277	PG-320	PG-360
T5W Wide-Reset	T5W	80LC	5	5000K	500VAC	SMV Yokumatsu	B1 Black	C3	PG-277	PG-320	PG-360

North Bay Village – Building Department
Approved by: Leonardo Ligouri- Building
Date: 05/23/2023

TYPE	MANUFACTURER & CATALOG NUMBER	NUMBER OF LAMPS	VOLTS	MOUNTING	REMARKS
A	VISIONAIRE * FD-L-15-48LC-5-4K-RED-2-CIRCUIT-UNV-CI-HI-PC-VA03-SI	105 WATT LED ARRAY AND RED LED ARRAY	240	POLE	SEE SWITCH DETAIL

TYPE	MANUFACTURER & CATALOG NUMBER	NUMBER OF LAMPS	VOLTS	MOUNTING	REMARKS
A	VISIONAIRE * FD-L-15-48LC-5-4K-RED-2-CIRCUIT-UNV-CI-HI-PC-VA03-SI	105 WATT LED ARRAY AND RED LED ARRAY	240	POLE	SEE SWITCH DETAIL

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Rene I
Basulto



04-10-2023
RENE I. BASULTO, P.E.
P.E. 40859

SHEET TITLE:

ELECTRICAL DETAILS

SHEET NO. _____

E-5.0

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