

NOT FOR CONSTRUCTION WITHOUT PERMITS AND APPROVALS OF REGULATORY AGENCIES



May 3, 2023

Charles Yost
14160 Palmetto Frontage Road, Ste 22
Miami Lakes, FL 33016

Re: Available Fault Current for Vogel Park North Bay Village

Dear Charles Yost:

Thank you for contacting FPL about the available fault current at Vogel Park North Bay Village. Based on the plans you have provided dated May 02 2023, the maximum available fault current at the transformer secondary terminals is estimated to be 38620 symmetrical amperes at 120/240 volts. The protective device on the line side of the transformer currently in place or to be installed and serving your property located at the subject location is a 15 amp type KS fuse. The primary service voltage is 7.6kV L-G. This calculated symmetrical fault current is not intended for use as the basis for motor starting calculations and does not include:

- Consideration for any motor contribution or
- Fault current asymmetry.

The FPL equipment currently serving or planned to serve your facility may change over time as a result of any number of factors, including but not limited to transformer replacements due to load growth, electrical grid changes or emergencies. As a result, although we are providing you with this information for the sole purpose of assisting you in the completion of your study, you and your client should not design, install or operate your system in reliance upon any expectation that the specific size and type of equipment currently in place will remain so. If and when the size and type of the equipment changes, our employees are not always in a position to immediately notify customers.

As the construction project progresses, any questions or information you may need can be communicated through me. I have enclosed my business card for easy reference and look forward to hearing from you in the near future.

Sincerely,

Patricia Nistal
Distribution Engineer

FAULT CURRENT CALCULATION RESULTS

FAULT SCA SOURCE = TA SECONDARY
SCA AVAILABLE = 38620
SYSTEM VOLTAGE = 120/240
SYSTEM PHASE = 1 PHASE

TRANSFORMERS									
NAME	PH	SIZE	PRIV	SEC.V	SCAL-L				
TA FPL PAD	1-PH	100	1600	120/240	38620				
S/F SERVICE LATERAL									
NAME	COND	CABLE	SIZE	QTY	FEET	SCAL-L	SCAL-N		
FVC	PVC	1/CU	3	1	40	10501	6,418		
MAIN FEEDERS									
NAME	COND	CABLE	SIZE	QTY	FEET	SCAL-L	SCAL-N		
F1 FEEDER TO PEDESTAL	PVC	1/CU	1	1	120	4314	2,266		

SOURCE: EDR ELECTRICAL DESIGNER'S REFERENCE
SOFTWARE VERSION: I11 (BUILD 11), BASED ON THE 2011 NEC®.
COPYRIGHT © 2000-2011 C-E ELECTRONIC PUBLISHING, INC. ALL RIGHTS RESERVED.



NORTH BAY VILLAGE

CONSULTANT:



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

SUB-CONSULTANT:

Project No.- 21087



René I. Basulto, PE 14160 Palmetto Frontage Road
PE 40869 - FL CA06722 Suite 22, Miami Lakes, FL 33016
www.basulto.com 305.698.3988, fax: 305.698.3989

DESIGN TICKET NO. 089202493



Call 811 or www.sunshine811.com two full business days before digging to have utilities located and marked.
Check positive response codes before you dig!

PROJECT:

**VOGEL PARK
MARINE FACILITY
PHASE II**

KEY MAP:

REVISIONS:

NO.	DESCRIPTION	DATE	BY
1	GENERAL REVISION	05-16-2023	C.Y.

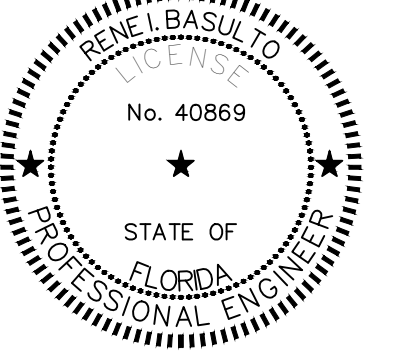
DATE ISSUED: May 2, 2022

DESIGNED BY: C.Y.

DRAWN BY: D.T.

REVIEWED BY: C.Y.

SEAL:



05-16-2023
RENE I. BASULTO, P.E.
P.E. 40869

SHEET TITLE:

**FPL LETTER AND FAULT
CURRENT CALCULATION**

SHEET NO.

E-6.0

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.

100% CONSTRUCTION DOCUMENTS

© COPYRIGHT BASULTO AND ASSOCIATES, INC. ALL DRAWINGS, SPECIFICATIONS AND RELATED WORK PRODUCTS ARE THE COPYRIGHT OF THE ENGINEER. REPRODUCTION OF SUCH OR USE OF ELECTRONIC FILES IN PART OR WHOLE IS FORBIDDEN WITHOUT WRITTEN PERMISSION AND APPROPRIATE COMPENSATION.

PLAN SCALE CORRESPONDS TO PLOT SIZE 24"x36". IF PLOTTED ON OTHER SIZE, EDR DOES NOT WARRANT THE ACCURACY OF THE PLAN SCALE. CHUSERS@TOLEONE.DRIVE - BASULTO & ASSOCIATES DOCUMENTS GENERAL EAC CONSULTING, INC NORTH BAY VILLAGE POLICE BOOK ELECTRICAL 21087 E-6.0-FPL LETTER.DWG May 16, 2023 9:48 AM DORCAS