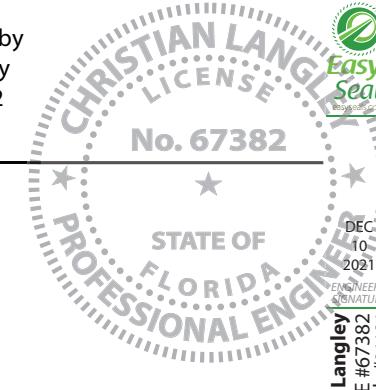


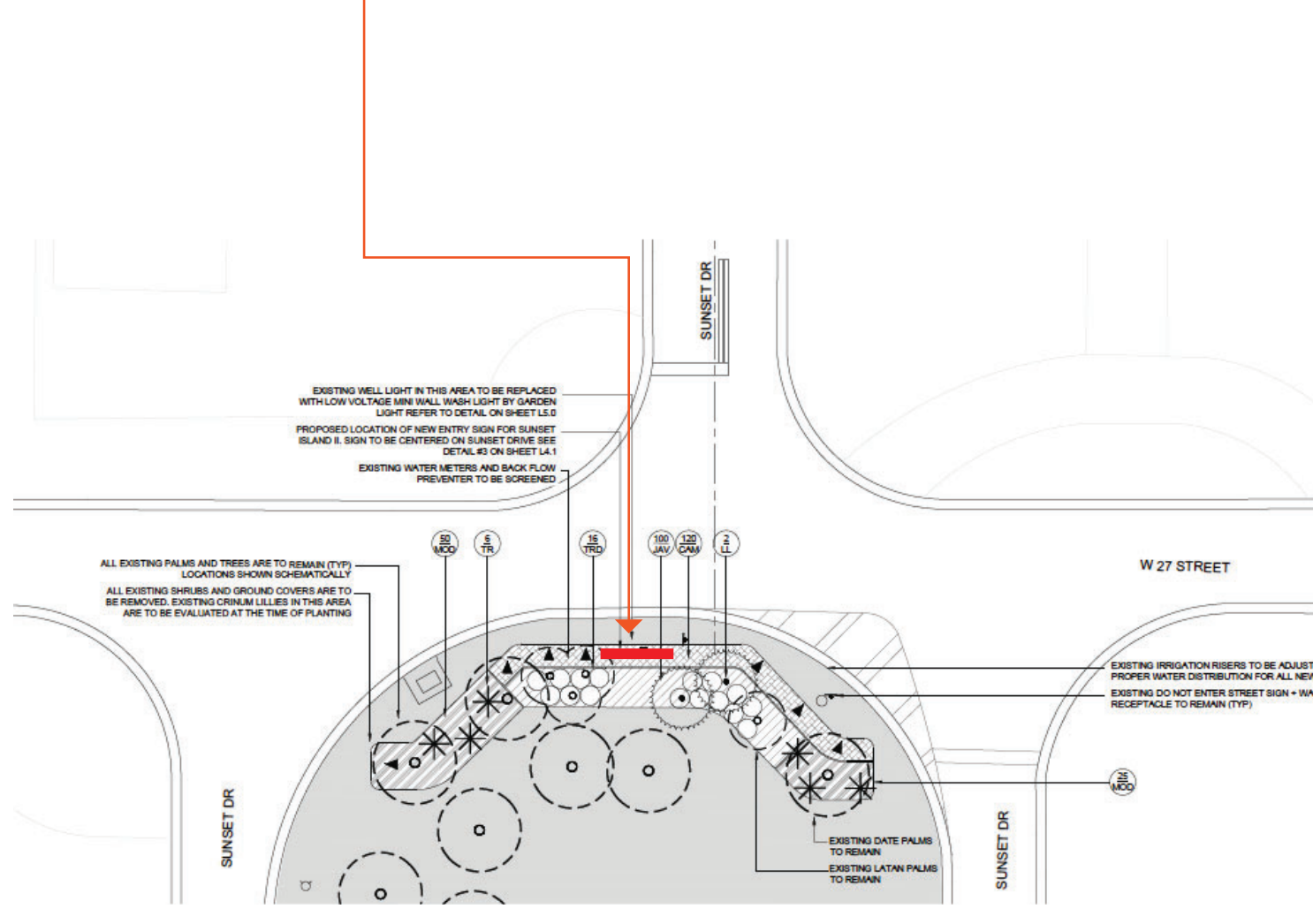
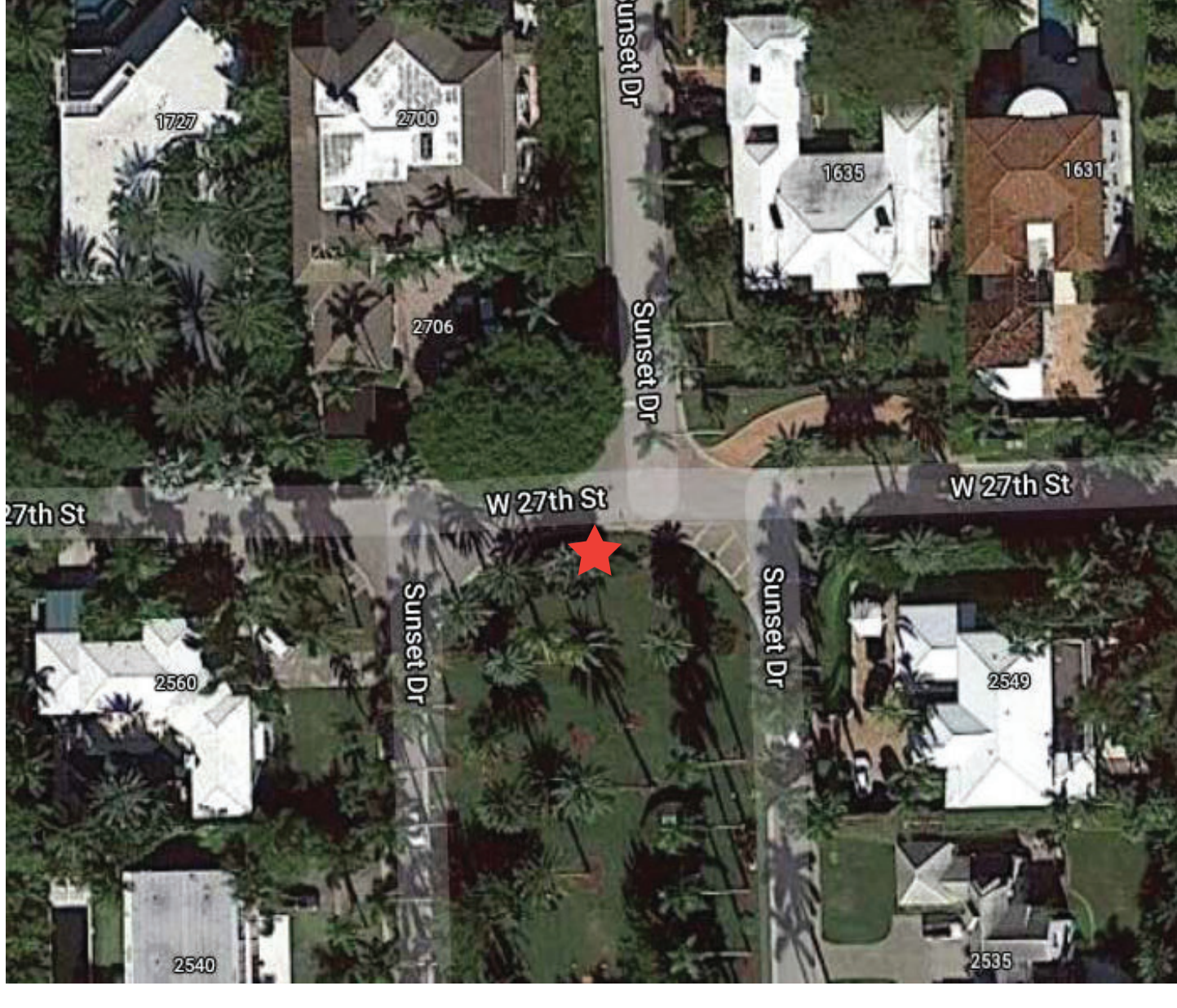
Location Map | Illuminated Monument Sign (Location 3)

This document has been digitally signed and sealed by Christian Langley, PE on the date noted in this digital signature. Printed copies of this document are not considered signed & sealed, & the signature must be verified on any electronic copies.
State: FL, Exp: 12/27/2021, 23:20:55 -05'00'

Digitally signed by Christian Langley
 Date: 2021.12.12 23:20:55 -05'00'



SIGN LOCATION
 Exterior sign.
 Installed on existing Structure/
 Footing (sign NTS)



modulex
 14 NE 1st Avenue, Suite 707
 Miami, FL 33132 USA
 t. +1 (954) 347-4998
 e. pgs@modulex.com

Project: Sunset Islands	Address: Sunset Islands I&II Miami Beach, FL	Sign: Illuminated Monument Sign	Other:	Date: Dec 02, 2021
				Sheet: 1

ASCE 7-16 • V=165 mph • Risk Category 1 Struct. • Sign Height = 15 ft max
 WIND LOADS: • Exposure 'D' • ASD Load Coeff = 0.6 • Kzt=1.0, Kd=0.85, G=0.85 • Solid freestanding sign at grade: ± 48.2 psf
 • C_f=1.55 (w/h ratio ≥ 1/2) ± 48.2 psf

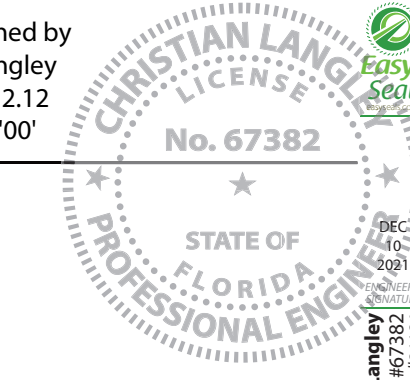
Christian Langley
 Florida PE #67382
 Cert of Auth #31124
 1200 N Federal Hwy, #200
 Boca Raton, FL 33432
 1-888-371-3113

General • Design is in accordance with the requirements of the Fla Bldg Code 7th Ed (2020) for use within & outside the High Velocity Hurricane Zone (HVHZ). • This engineering certifies only the structural integrity of those systems, components, and/or other construction explicitly specified herein. • Electrical notes, details, & specifications are provided by and are the sole responsibility of the electrical contractor. No electrical review has been performed and no certification of such is intended. • Structural design meets requirements of ACI 318-14, AISC 360-16, ADM1-15, & NDS-18, as applicable. • Steel components shall be coated, painted, or otherwise protected against corrosion per FBC Sec 2203.2/2222.6. • Alum components in contact with steel or embedded in concrete shall be painted or protected as prescribed in ADM1-15(1a), or plastic/neoprene spacers provided. • All exposed fasteners shall be S.S. or have a protective coating for corrosion protection. • All welding shall comply with AWS requirements. • Steel welds: E70xx electrodes. • Aluminum welds: 4043 filler alloy. • Alum extrusions: 6063-T6 or stronger, U.N.O.

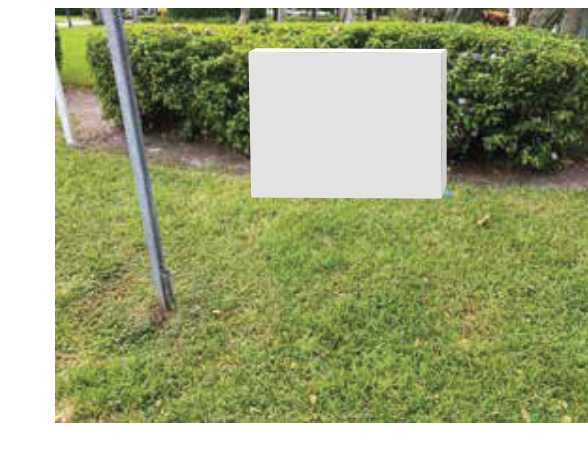
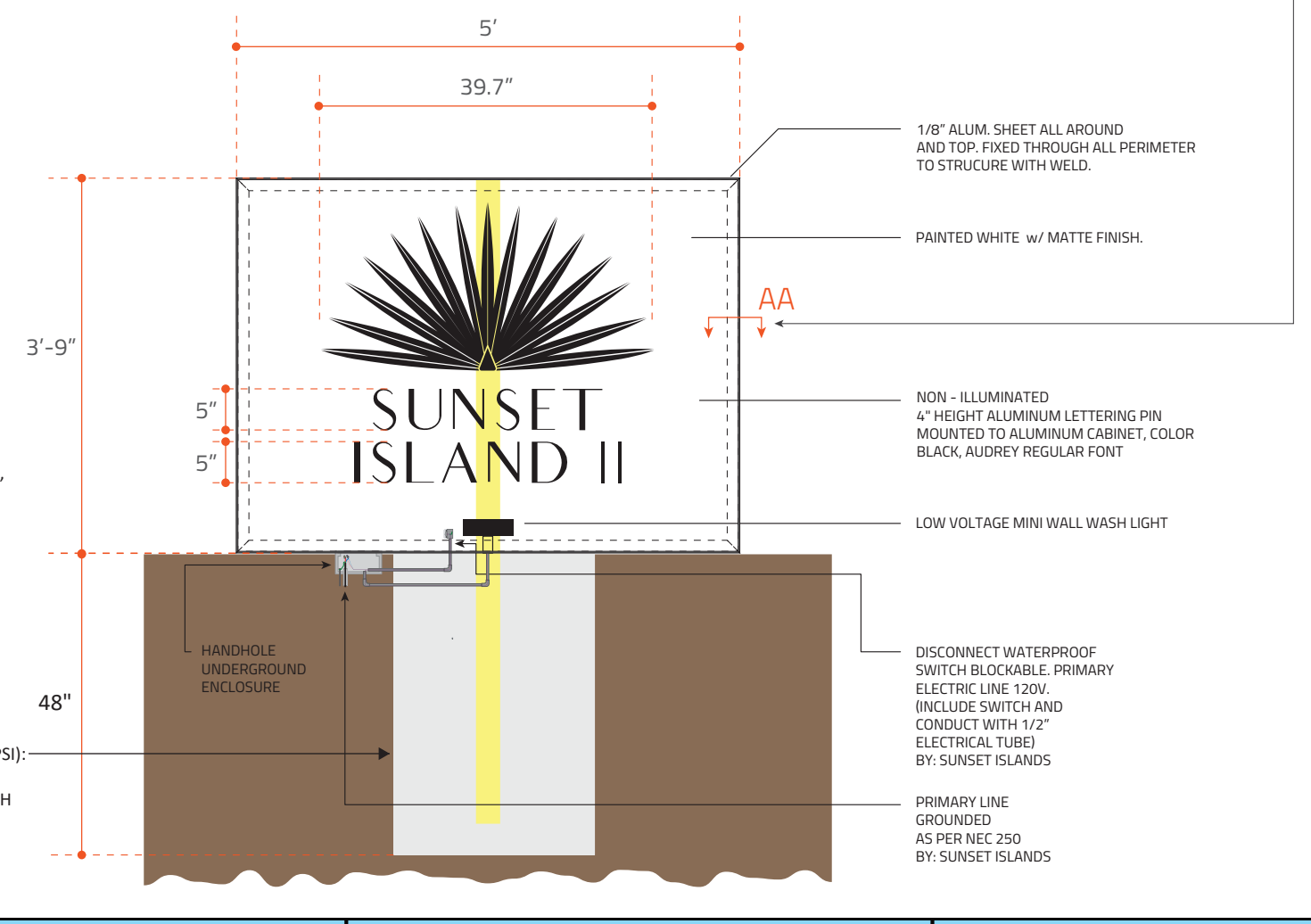
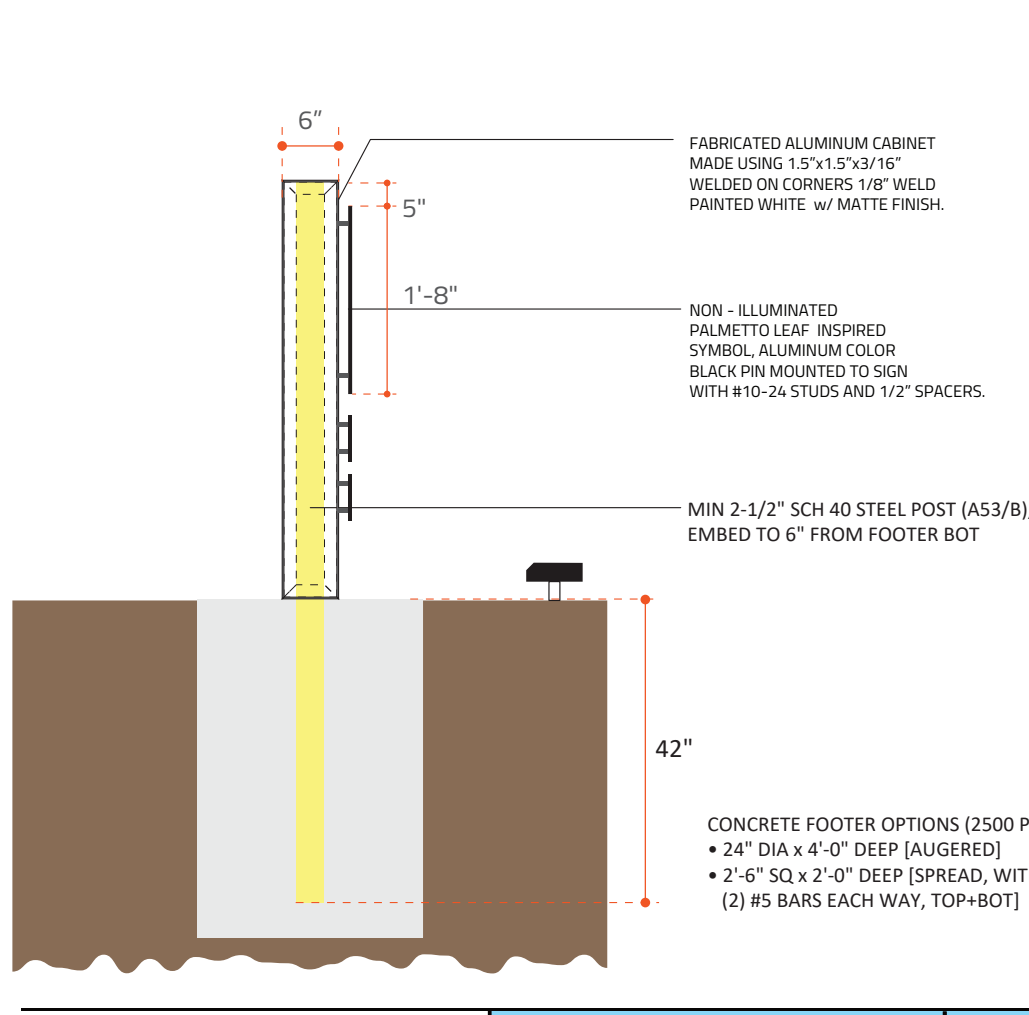
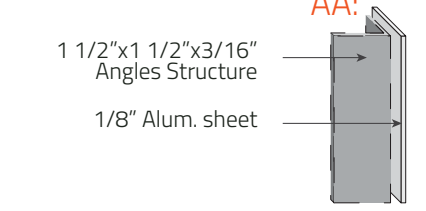
Elevation | Illuminated Monument Sign (Location 3)

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 Seal: 44-498F532218 30/00 27/0 96/47

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 Date: 2021.12.12 23:20:48 -05'00'



Christian Langley
 Florida PE #67382
 Cert of Auth #31124
 1200 N Federal Hwy, #200
 Boca Raton, FL 33432
 1-888-371-3113



ASCE 7-16 • V=165 mph
 WIND LOADS: • Exposure 'D'
 Risk Category 1 Struct. • ASD Load Coeff = 0.6
 Sign Height = 15 ft max
 • Kzt=1.0, Kd=0.85, G=0.85
 Solid freestanding sign at grade:
 • Cf=1.55 (w/h ratio ≥ 1/2) ± 48.2 psf

modulx
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Project:
 Sunset Islands

Address:
 Sunset Islands I&II
 Miami Beach, FL

Sign:
 Illuminated Monument Sign

Other:

Date:
 Dec 02, 2021

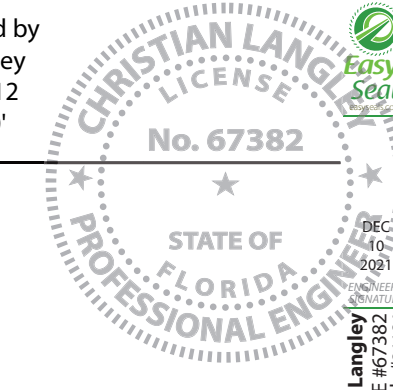
Sheet: 2

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Lighting Specifications | Illuminated Monument Sign (Location 3)

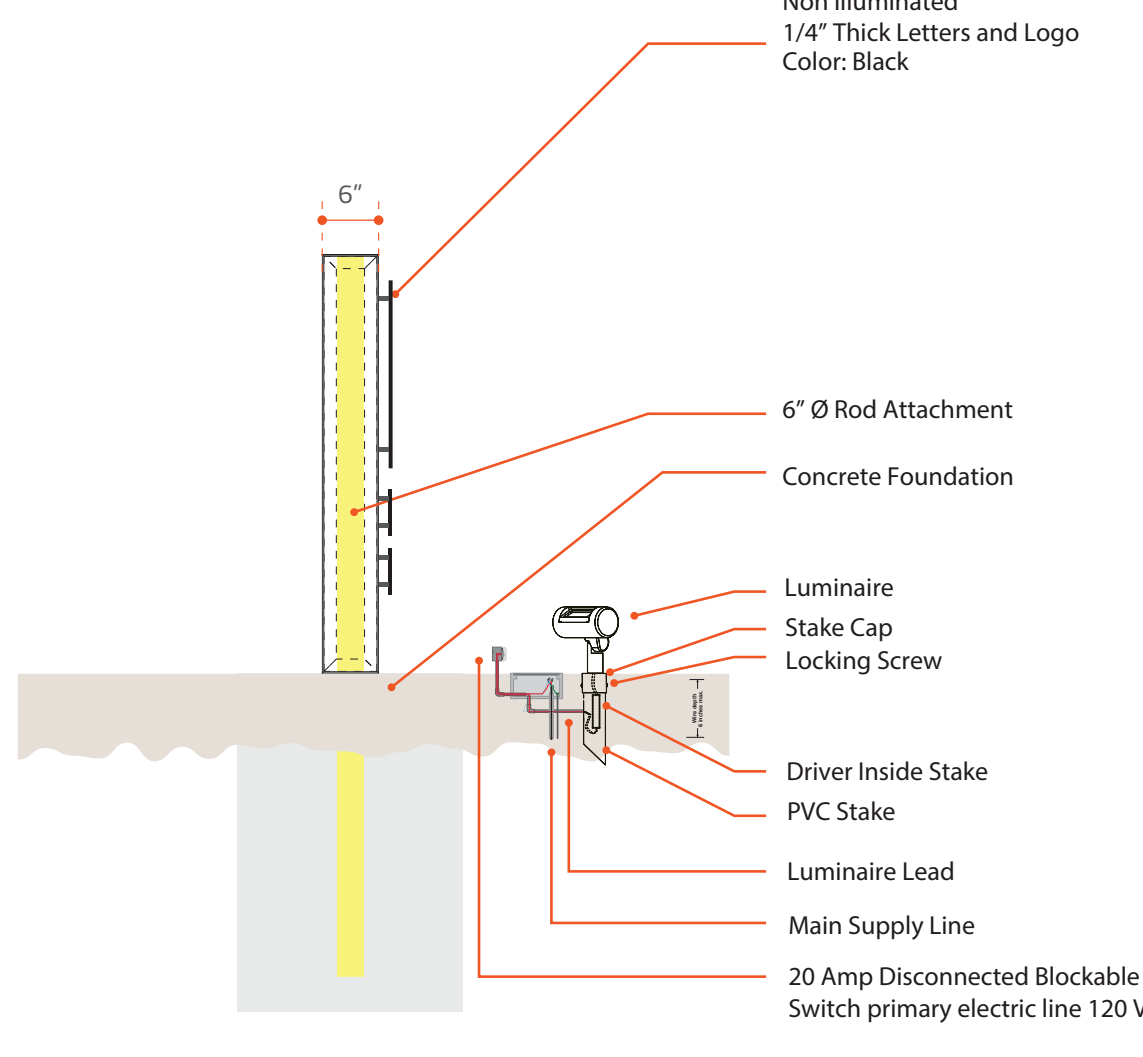
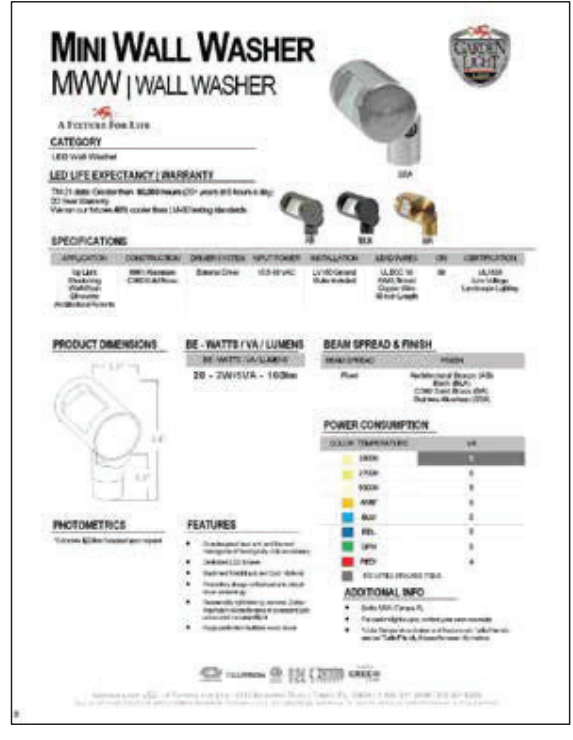
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Digitally signed by Christian Langley
Date: 2021.12.12
23:20:37 -05'00'



SCOPE OF WORK:

- Exterior Lit Illuminated Sign
- All electrical components to comply with UL Guidelines
- All structural components to comply with Florida Building Code
- Mini Wall Washer LED



BY AN ASTRONOMICAL TIME CLOCK WITH MINIMUM 10 HOUR BACK-UP OR A PHOTOCELL AS PER FBC 13-415.AB.1.4

1 - 20 AMP CIRCUIT REQUIRED

This sign is to be installed in accordance with the requirements of Article 600 of the National Electric Code

- 1) Grounded and bonded per NEC 600.7/NEC 250
- 2) Existing branch circuit in compliance with NEC 600.5 not to exceed 20 amps
- 3) UL listed secondary wiring as per NEC 600.31
- 4) Sign to be UL listed per NEC 600.3
- 5) UL disconnect switch per NEC 600.6.

Branch Circuit:

- A. All branch circuits for signs must be totally dedicated to signs (including dedicated ground and dedicated neutral per circuit)
- B. Sign circuits must not be shared with other loads such as lighting, air conditioning, and other equipment.
- C. Property sized ground wire that can be trace back to the breaker panel must be provided.
- D. Number and size of circuits for each sign to meet Federal Sign's requirements.

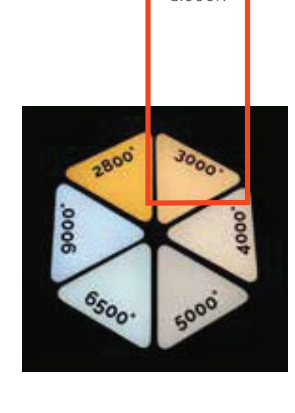
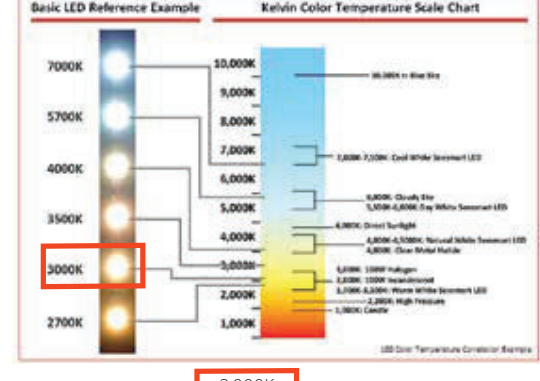
ALL SIGNAGE IS UL APPROVED

ELECTRICAL NOTES:

1. Exterior Lit Sign LED
2. Number of primary circuits = 1
3. Number of switches = 1
4. Primary wires **provided by customer**
5. Exterior Sign to be connected to an existing electrical circuit dedicated for the Exterior Sign
6. Sign Out let must be controlled by an astronomical time clock with minimum 10 Hrs back-up or photocell as per FBC 13-415.A13.1.4

EXTERIOR SIGNS REQUIREMENTS TO BE PROVIDED BY OWNER

1. Access to the back/ground of the sign for electrical connections
2. Power on Site / Location
3. Dedicated Circuit
4. Astronomical Clock
5. Detail of the ground and whats under it
6. Three (3) Permit Applications Filled, Signed and Notarized by Owner or Rep
7. One (1) Affidavit Signed and Notarized by Owner or Owner's Rep
8. There will be a shut off switch as required by the city code



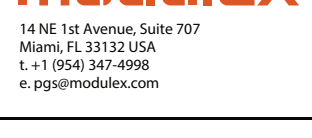
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Project:
Sunset Islands

Address:
Sunset Islands I&II
Miami Beach, FL

Sign:
Illuminated Monument Sign

Other:

Date:
Dec 02, 2021

Sheet: 3