

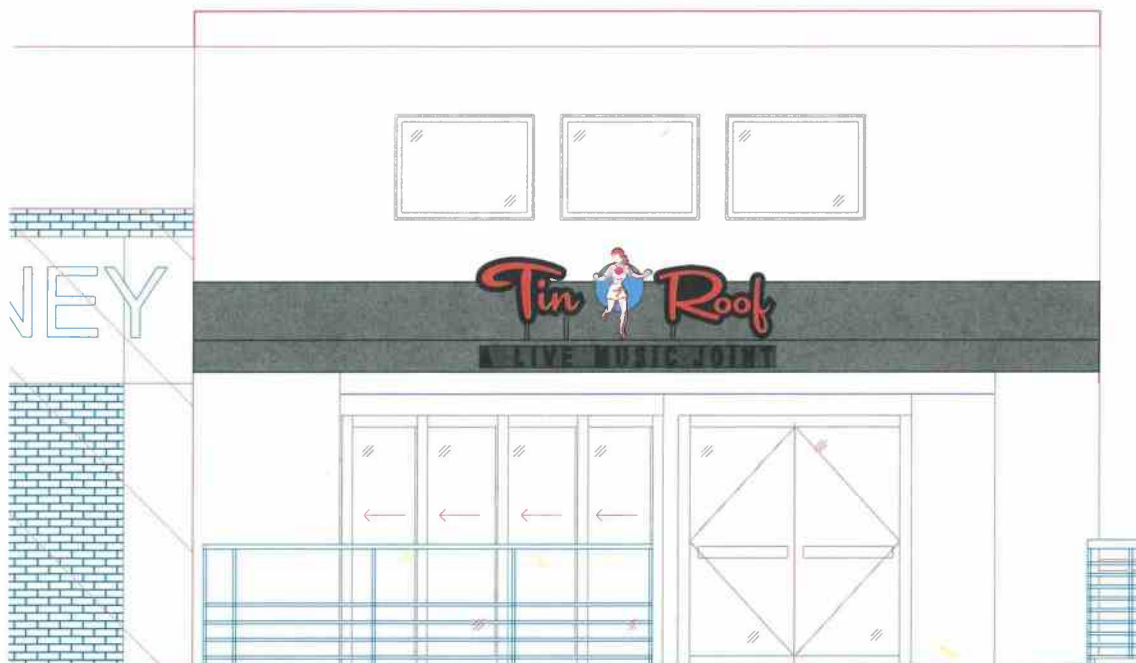
Proposed Sign

104"

41"



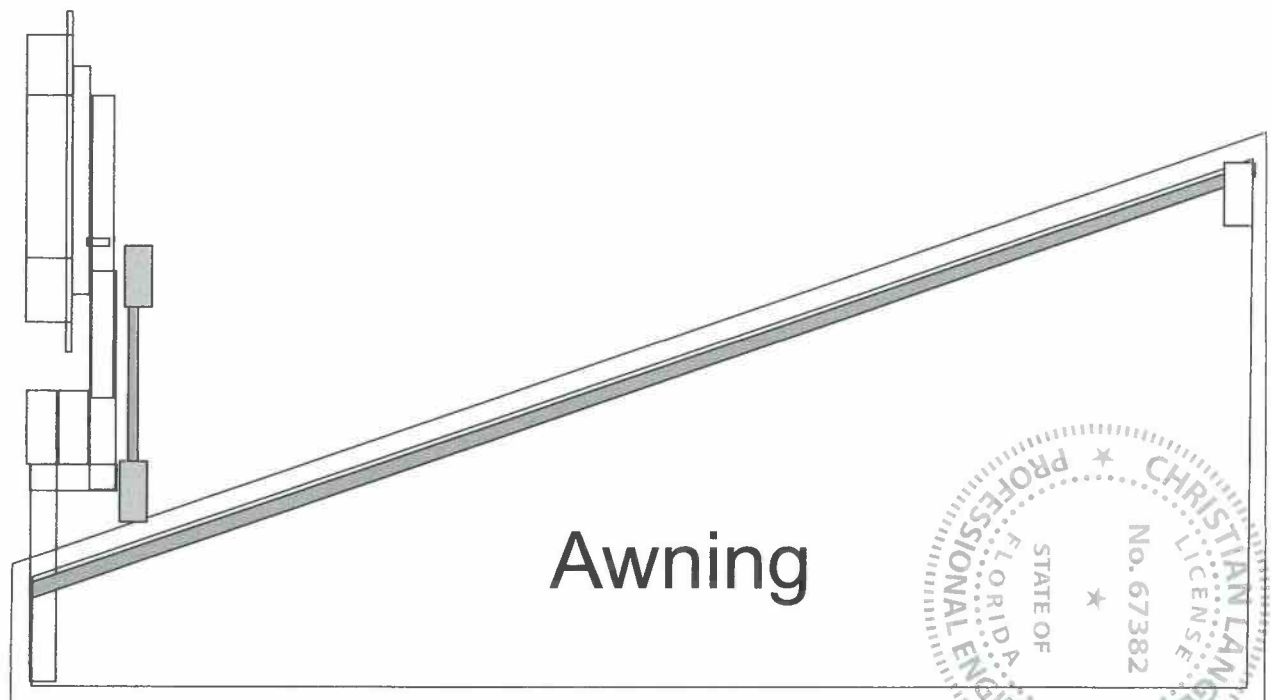
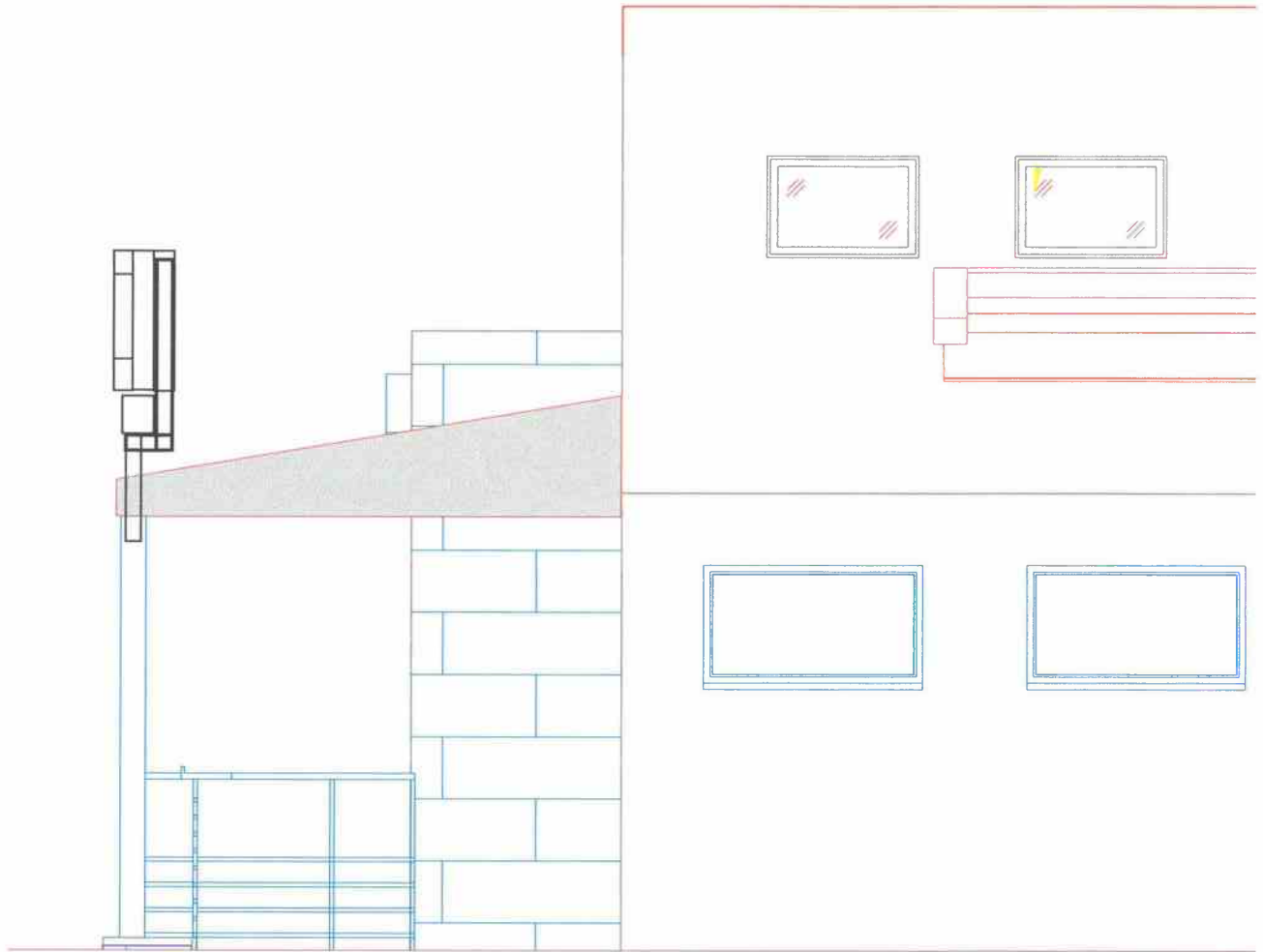
25'8"



Facing North

General Notes:

- Design life in accordance with the requirements of the High Voltage Human zone (HVHZ). This engineering judgement specifies the type, quantity, components, and/or electrical items specified herein.
- Electrical items, details, and configurations are provided by and are the sole responsibility of the manufacturer.
- The design shall ensure that no electrical equipment has been performed and no certification of such is intended.
- Structural damage zones: equipment of AC 318-1A, AISC 360-D, ASME-B31.1, and BS MD-15, as applicable.
- Steel components shall be coated, painted, or otherwise protected against corrosion per FBC Sec. 2907.22.2222.2.
- Aluminum components in contact with steel shall be protected from galvanic corrosion.



Awning

angley
#67382
#31124

ASCE 7-10 WIND LOADS:
• V=170 mph • Exposure 'C'
• Risk Category 2 Structure

- Sign Height = 30 ft max
- $K_{zt}=1.0$, $K_d=0.85$, $G=0.85$
- ASD Load Coeff = 0.6

Wall components & cladding:
 • Zone 4: ± 40.8 psf
 • Zone 5: ± 51.9 psf

1200 N Federal Hwy, #200
Boca Raton, FL 33432
1-888-371-3113

Christian Langley
Florida PE #67382
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118"

46"

Awning

Letters supported to an of aluminum back panel .080 backs with .063 returns

Open channel letters with RED LEDS and a Red plexiglass face trimmed with black

LED LOW VOLTAGE Illumination

No Neon tubing

Tin Roof letters to be fabricated of aluminum .080 backs with .063 returns

1/4" through bolts with nuts and washers top and bottom on each up right
(4) for Tin (2) for Gird (4) for Roof

letters attached to raceway with 3/16" pop rivets or machine screws average (4) per letter

Banded

All wall penetrations
Seal with exterior grade
GE Silicone sealant

Liquid Tight with connectors
1/2" flexible metal wire Raceway for primary

— (1) 12/24 voltage transformer

Disconnect Switch
20 amp
Weather Proof

Power to sign, Time clock and panel box Existing
120V 20 AMP Circuit with #12 THHN Wire

Frosted LED bulbs and sockets exterior grade
Mounted in channel letters. Letters attached to wireway.
Wireway to match awning color.
Wireway attached to existing steel supports
1/4" through bolts with nuts and washer (1) One per support

Letters Build to UL Standards and Bear UL Labels

Letters built to local building code requirements & Underwriters Laboratories standards

All electrical wiring and installation shall comply with the provisions of the Florida Building Code Chapter and any and all articles of the current National Electric Code.

Primary by others, 1/2 raceway with #12 wire THHN

All breakers and timing devices shall be identified at time of installation
All components U/L listed and shall comply with the current NEC and FBC
One 20 Amp Circuit, and one 20 amp Disconnect Switch @ Ea. Transformer.

Sign to comply with NEC 600, system to be bonded

Trimmed Plexiglas Face
with full color print

Channel Letter for dancing girl

LED Diodes

LED Ballast 12/24 Volt

- Bushing

✓ Back Panel

/Existing upright support

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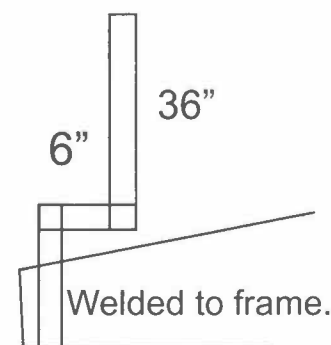
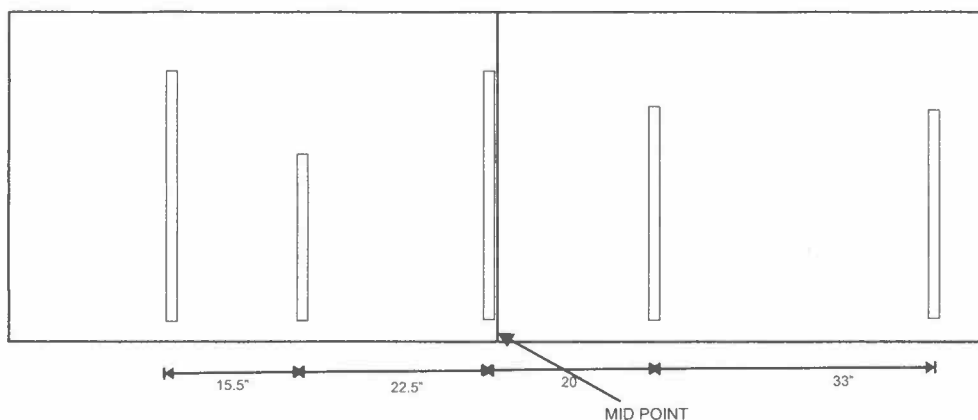
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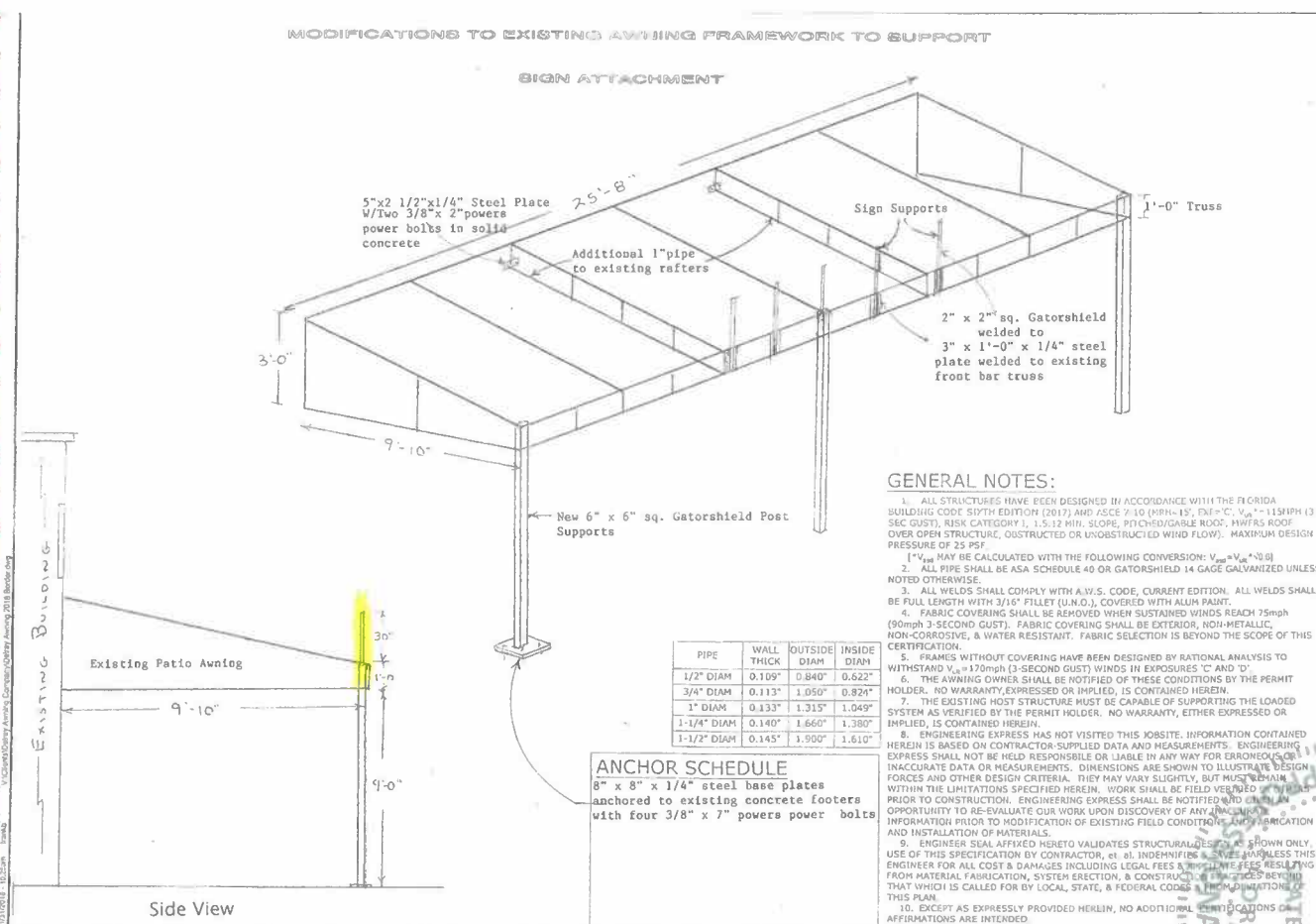
[illegible]

Frame steps back 6"



Cross section of supports

Awning frame by awning company



STRUCTURAL DETAILS BELOW ARE PROVIDED FOR REFERENCE ONLY. AWNING STRUCTURE SHALL BE DESIGNED BY OTHERS UNDER SEPARATE CERTIFICATION TO SUPPORT SUPERIMPOSED LOADS FROM SIGNAGE.

GENERAL NOTES:

1. ALL STRUCTURES HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE SIXTH EDITION (2017) AND ASCE 7-10 (MRN-15', EXF-C, $V_{90} = 115$ MPH (3 SEC GUST), RISK CATEGORY 1, 1.5:12 MIN. SLOPE, PITCHED/GABLE ROOF, HWYFRS ROOF OVER OPEN STRUCTURE, OBSTRUCTED OR UNOBSTRUCTED WIND FLOW). MAXIMUM DESIGN PRESSURE OF 25 PSF.

2. ALL PIPE SHALL BE ASA SCHEDULE 40 OR GATORSHIELD 14 GAGE GALVANIZED

3. ALL WELDS SHALL COMPLY WITH A.W.S. CODE, CURRENT EDITION. ALL WELDS SHALL BE FULL LENGTH WITH 3/16" FILLET (U.N.O.). COVERED WITH ALUM PAINT.

4. FABRIC COVERING SHALL BE REMOVED WHEN SUSTAINED WINDS REACH 75mph (90mph 3-SECOND GUST). FABRIC COVERING SHALL BE EXTERIOR, NON-METALLIC, NON-CORROSIVE, & WATER RESISTANT. FABRIC SELECTION IS BEYOND THE SCOPE OF THIS

5. FRAMES WITHOUT COVERING HAVE BEEN DESIGNED BY RATIONAL ANALYSIS TO WITHSTAND $V_{50} = 170$ mph (3-SECOND GUST) WINDS IN EXPOSURES 'C' AND 'D'.

7. THE EXISTING HOST STRUCTURE MUST BE CAPABLE OF SUPPORTING THE LOADED

8. ENGINEERING EXPRESS HAS NOT VISITED THIS JOBSITE. INFORMATION CONTAINED

HEREIN IS BASED ON CONTRACTOR-SUPPLIED DATA AND MEASUREMENTS. ENGINEERING EXPRESS SHALL NOT BE HELD RESPONSIBLE OR LIABLE IN ANY WAY FOR ERRONEOUS OR INACCURATE DATA OR MEASUREMENTS. DIMENSIONS ARE SHOWN TO ILLUSTRATE DESIGN

FORCES AND OTHER DESIGN CRITERIA. THEY MAY VARY SLIGHTLY, BUT MUST REMAIN WITHIN THE LIMITATIONS SPECIFIED HEREIN. WORK SHALL BE FIELD VERIFIED PRIOR TO CONSTRUCTION. ENGINEERING EXPRESS SHALL BE NOTIFIED AND

OPPORTUNITY TO RE-EVALUATE OUR WORK UPON DISCOVERY OF ANY INADEQUATE INFORMATION PRIOR TO MODIFICATION OF EXISTING FIELD CONDITIONS AND FABRICATION AND INSTALLATION OF MATERIALS.

9. ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY
USE OF THIS SPECIFICATION BY CONTRACTOR, et al. INDEMNIFIES & SAVES HARMLESS THIS
ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & ATTORNEY FEES RESULTING
FROM MATERIAL NEGLIGENCE, GROSS NEGLIGENCE & CONTEMPT OF COURT AFTER REVIEW

FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES, FROM DIMENSIONS OF THIS PLAN.

10. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL AFFIRMATIONS ARE INTENDED.

100

200 N Federal Hwy #200 Christian Langley

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1 888 371 3113

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