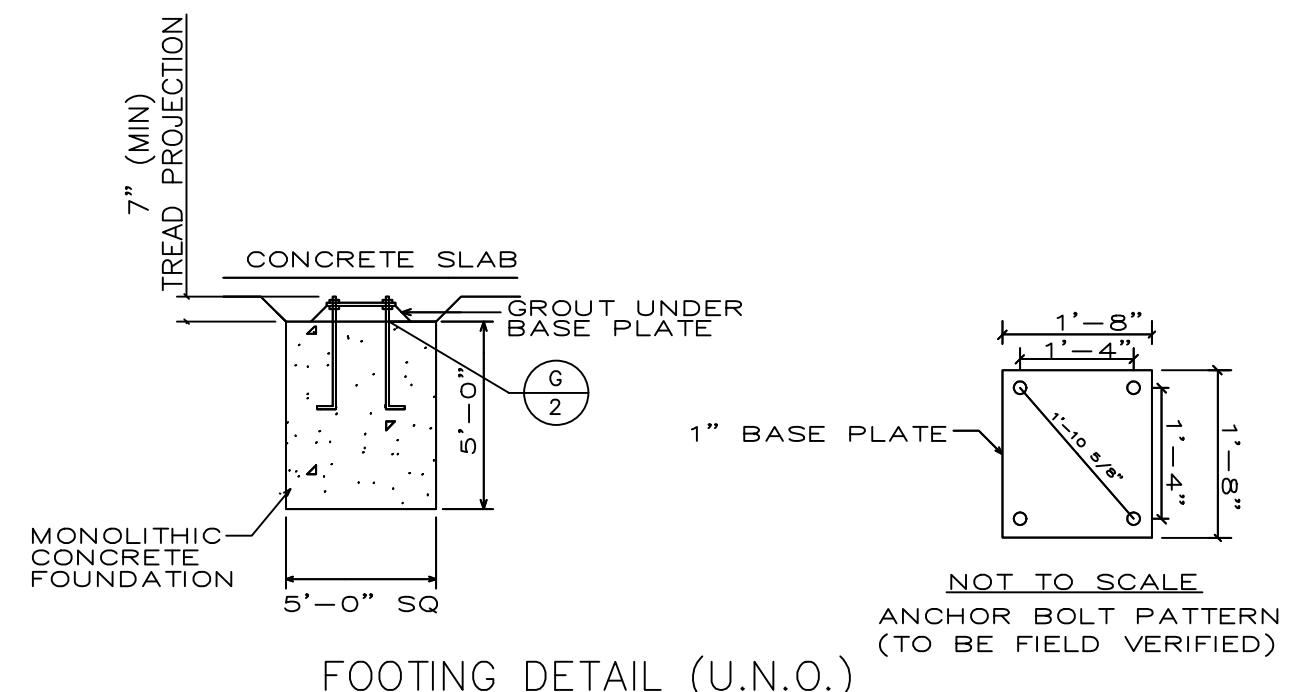


- ① DECKING 3"x16" @ 20GA
- ② PERIMETER GUTTER 7.250" x 7" x 4.250" with 1" lips @20GA
- ③ FASCIA TRIM 1.5" x 8" L Shape .040 Alum
- ④ 3mm ACM PANEL 36" to 45" tall
- ⑤ TOP FASCIA SUPPORT 1.5" x 1.750" L Shape .040 Alum
- ⑥ HAT SECTION .875 (25GA) @ 12" Sections
- ⑦ UPRIGHT BRACE (35.5" hat channel) 1.5" @ 24GA (32" on center)
- ⑧ ANGLE BRACE .875 (25GA) @ 4" (32" on center)
- ⑨ BOTTOM CHANNEL BRACE (16" hat channel) 1.5" @ 24GA (32" on center)
- ⑩ DOUBLE SIDED TAPE
- ⑪ 8x3/4 Hex Screw
- ⑫ 12x1 Hex Screw With Washer

NOTICE TO CONTRACTOR
All construction must comply with current NC Building Codes and is subject to field inspection and verification.

APPROVED
Limited building only review
Permit holder responsible for full compliance with the code

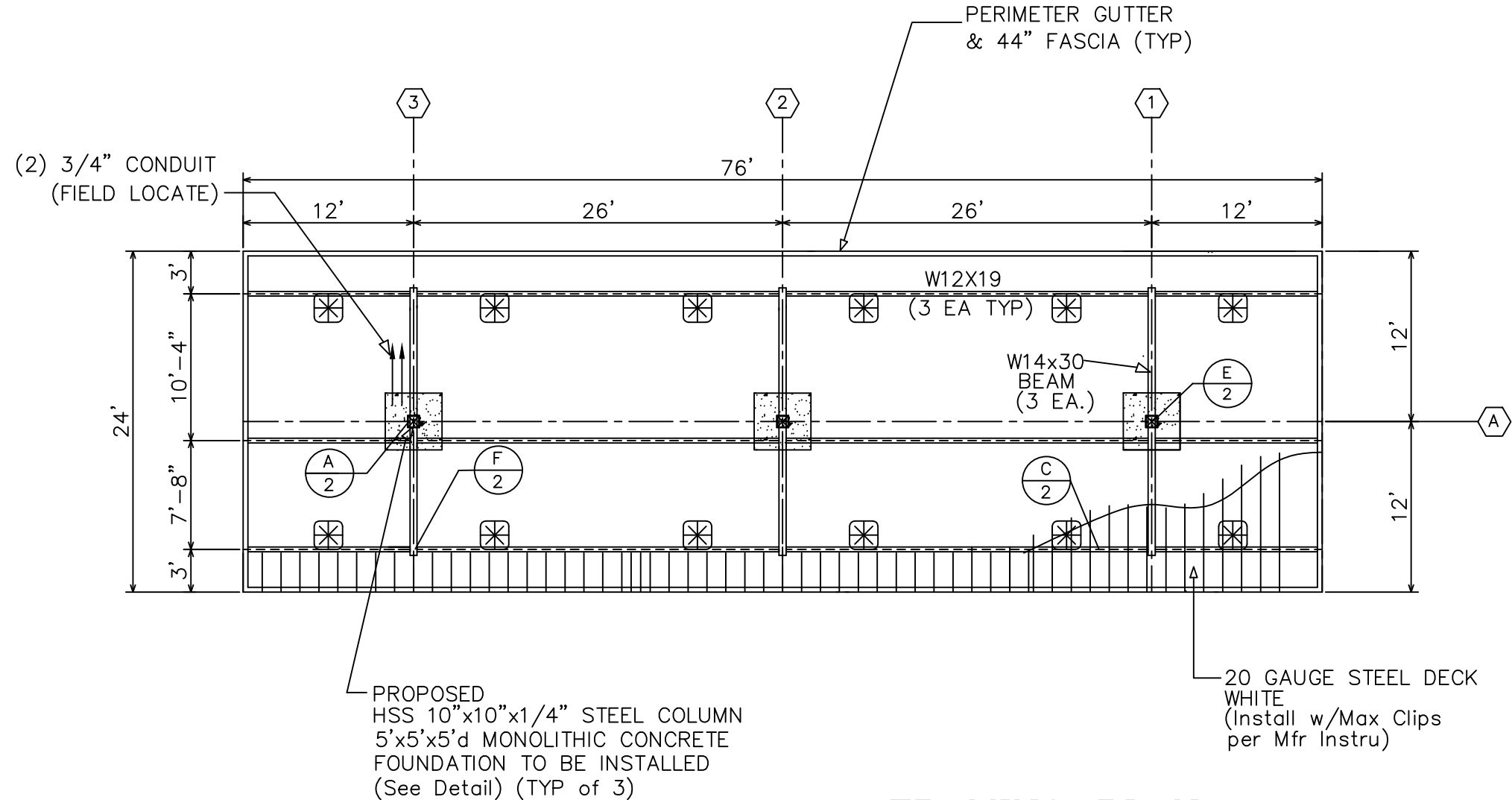
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FOUNDATION NOTES

- FOUNDATION DESIGN IS BASED ON PRESUMPTIVE LOAD BEARING VALUES PROVIDED IN THE INTERNATIONAL BUILDING CODE, TABLE 1806.2 AN ASSUMED ALLOWABLE SOIL BEARING PRESSURE OF 1500 PSF AND A LATERAL BEARING PRESSURE OF 100 PSF/FT WAS USED FOR DESIGN.
- 1 1/4" Ø x 34" LG. A-307 GR. A ANCHOR BOLTS W/ HEAVY HEX NUT AND 7" (MIN) THRD. PROJECTION WITH DOUBLE NUTS FOR PLUMBING AND LEVELING TO BE USED. 27" CONCRETE EMBEDMENT (MIN) TO BE PROVIDED.
- ANCHOR BOLT PATTERN IS TO BE 16" ON CENTER.
- IF FILL IS USED IT SHALL BE GRANULAR, STRUCTURAL FILL COMPACTED TO 100% MODIFIED PROCTOR.

FASCIA DETAIL



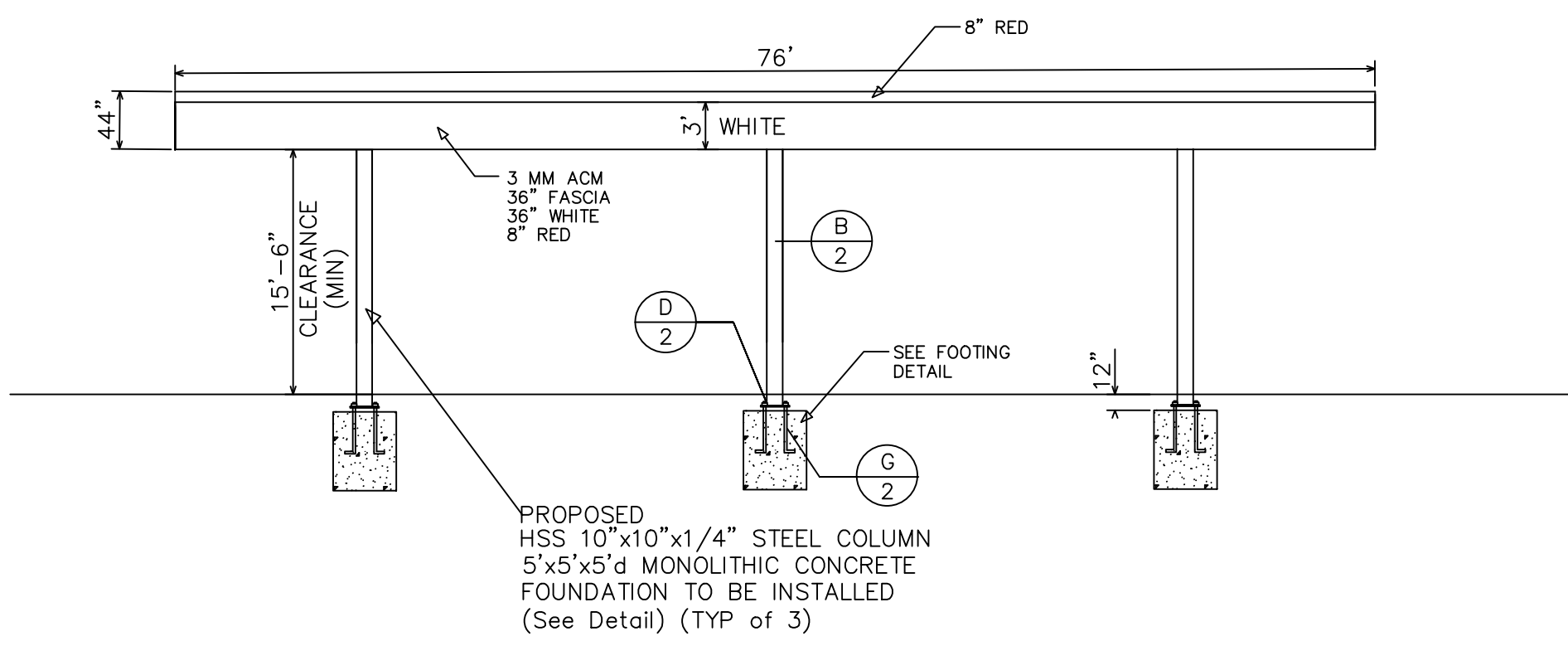
FRAMING PLAN

LEGEND

- ☒ CANOPY LIGHT FIXTURE LSI Vertex LED CANOPY LIGHTS TYP OF 12 EXACT LOCATION TO BE FIELD DETERMINED (WIRING BY OTHERS)

CODE SPECIFICATIONS

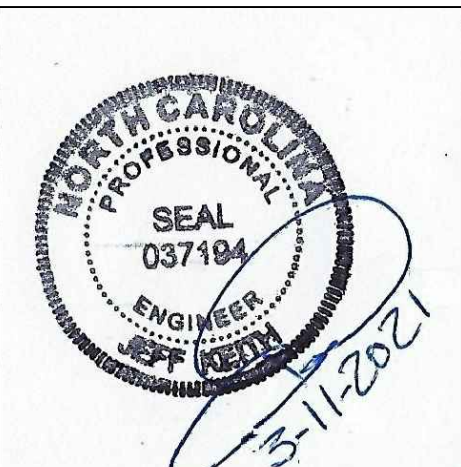
- I.B.C. INTERNATIONAL BUILDING CODE (2018 EDITION) / 2018 NORTH CAROLINA BUILDING CODE
- ASCE 7-16 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES
- ANSI/AISC 341-16 SEISMIC PROVISIONS FOR STRUCTURAL STEEL BUILDINGS
- AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (335-89S1)
- AISC CODE OF STANDARD PRACTICE FOR STEEL BUILDINGS AND BRIDGES (2016 ED.)
- ANSI SPECIFICATIONS FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS (2016 EDITION)
- AWS D1.1/D1.1M:2015 STRUCTURAL WELDING CODE



ELEVATION

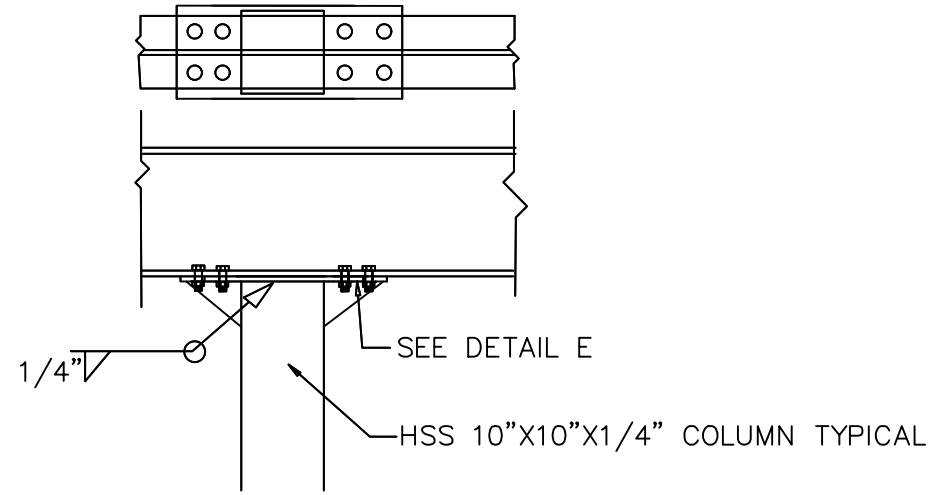
LAT 35.514558
LONG -78.813745

ALL WORK TO BE IN ACCORDANCE WITH THE 2018 NCBC

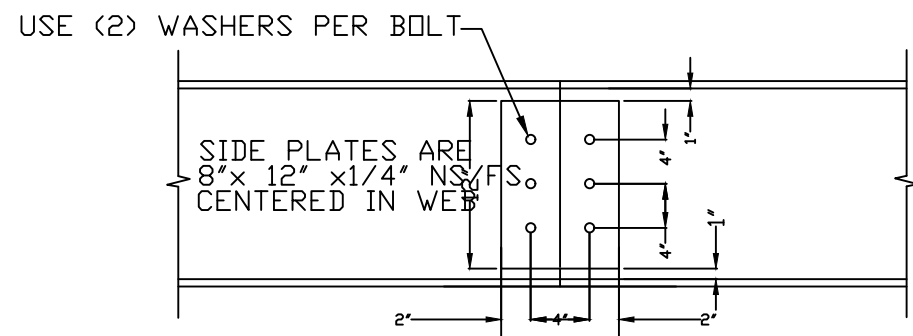


PHILLIPS ALUMINUM CO. 3032 POLKVILLE ROAD SHELBY, NORTH CAROLINA 28150 (704) 487-7969 FAX (704) 487-1832		
PREPARED FOR CHALYBEATE STORE		
LOCATION 9101 US 401 N. FUQUAY VARINA, NC 27526		
SCALE NTS	DRAWING # 873	SHEET 1 OF 3

3/11/2021

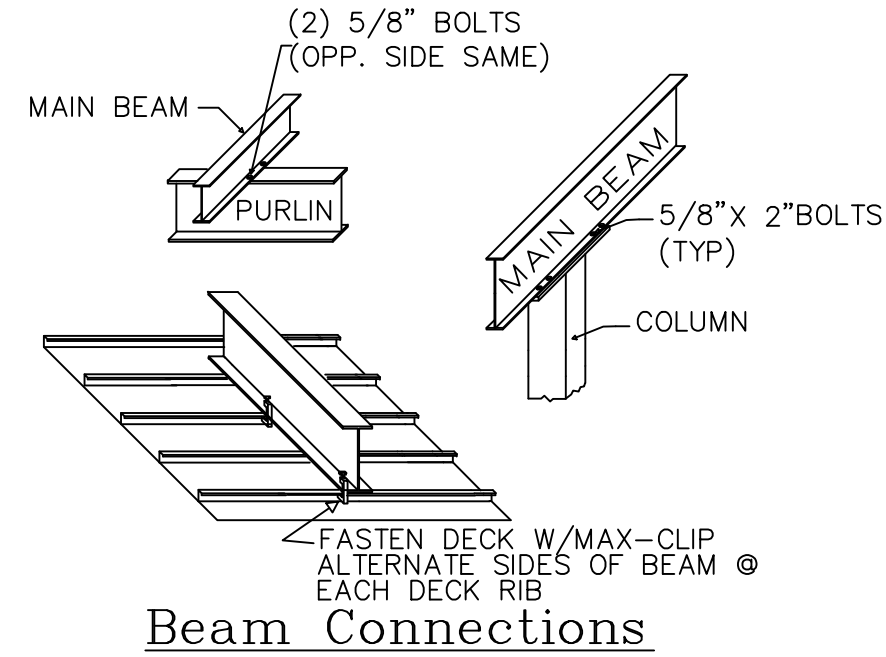


COLUMN-BEAM CONNECTION (A)
NTS

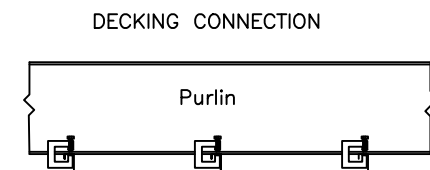


USE (2) WASHERS PER BOLT
SIDE PLATES ARE 8'x12'x1/4' NS/FS
(6) 5/8"Ø A- BOLTS & (12) WASHER IN EACH SPLICE.
(6) IN SIDE PLATES. BOLT THRU PURLIN WEB.

OPTIONAL PURLIN WEB SPLICE CONNECTION DETAIL
(TO BE WITHIN 5' OF MAIN BEAM CONNECTION)

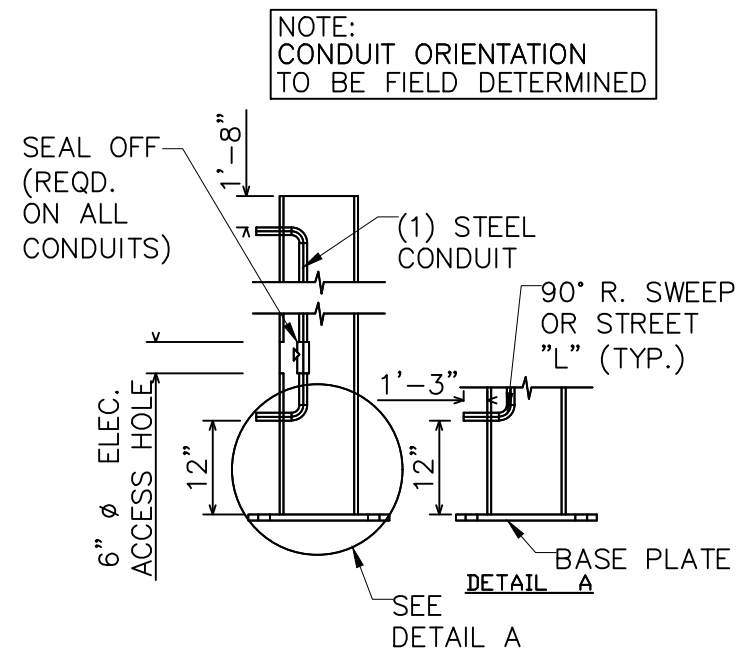


Beam Connections

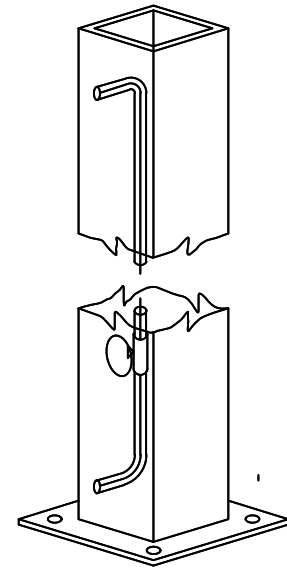


DECKING CONNECTION
DECKING- 3" X 16" 20 GA. STEEL FASTENED BY MAX CLIPS SUPPLIED BY DECKING MANUFACTURER AT EACH PURLIN (@16" O.C. MAX)
DECKING WEIGHT= 2.25#/ SQFT

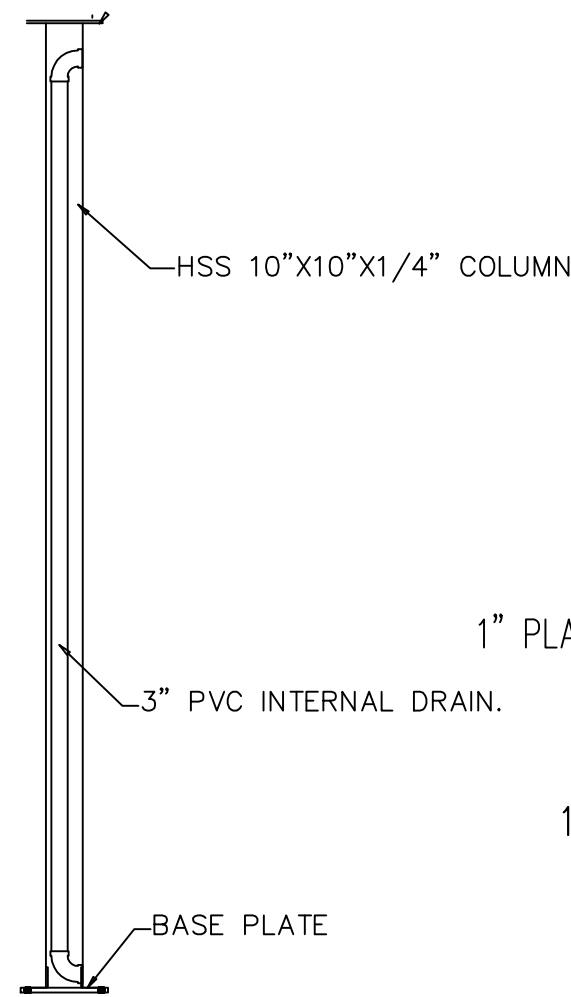
DECKING CONNECTION DETAIL (C)
NTS



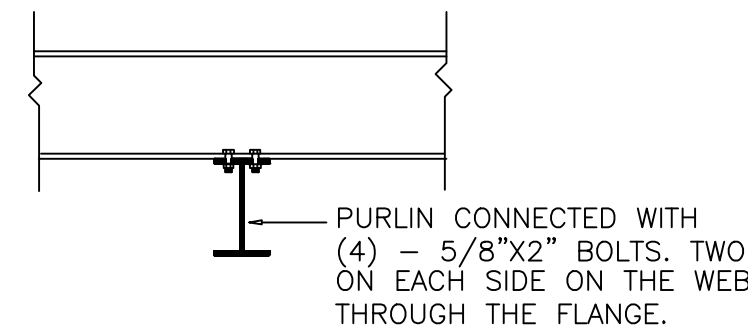
INTERNAL CONDUIT DETAIL (1) CONDUIT



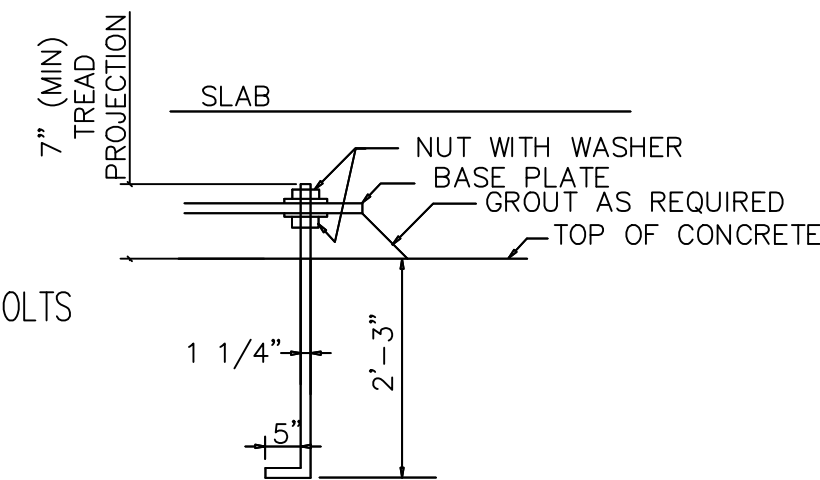
COLUMN DETAIL (B)
NTS



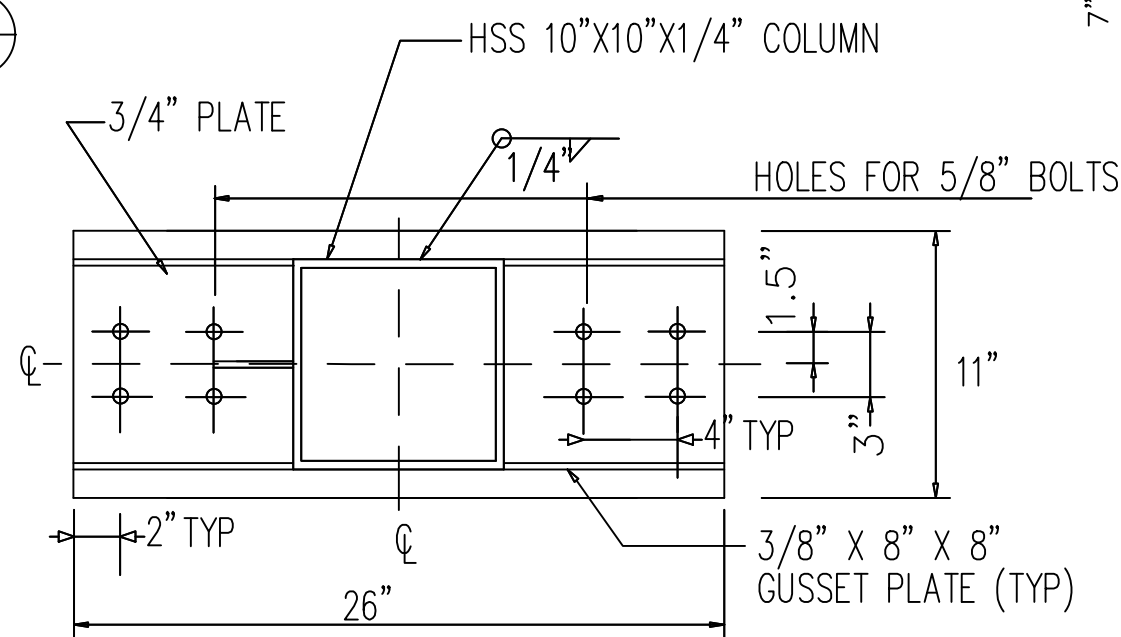
BASE PLATE DETAIL (D)
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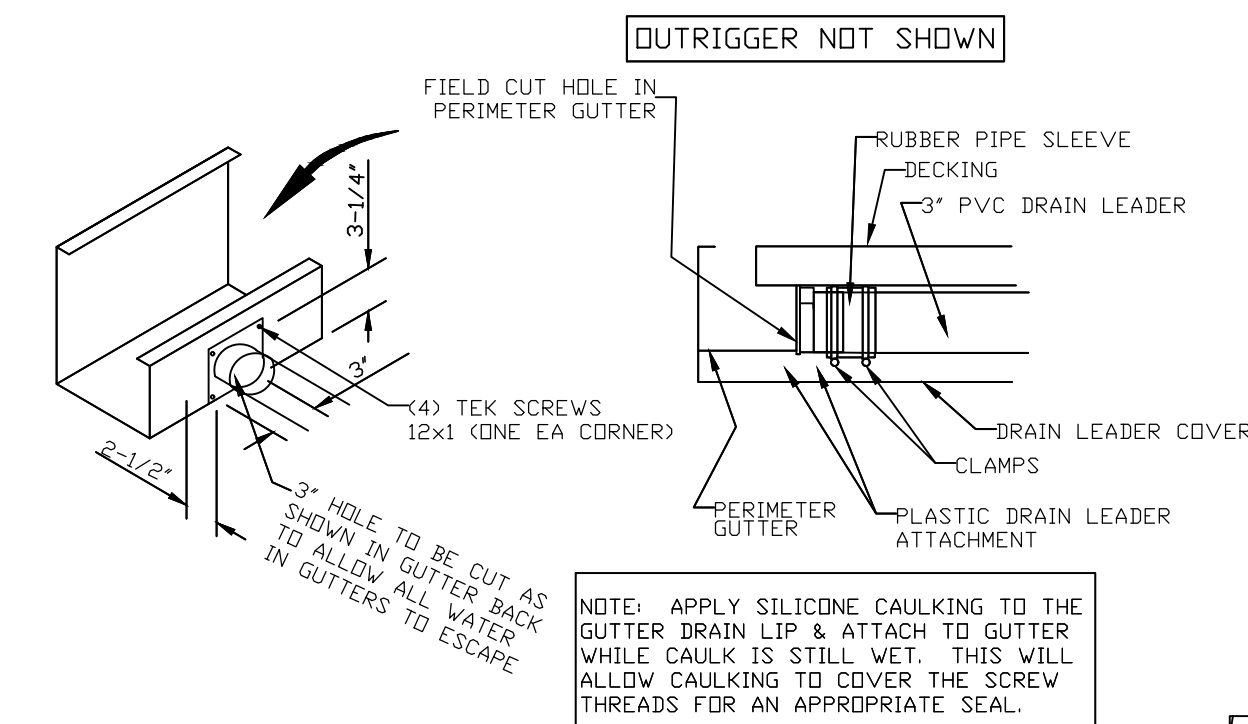
SECTION (F)
NTS



ANCHOR BOLT DETAIL (G)
NTS



CAP PLATE DETAIL (E)
NTS



NOTE: APPLY SILICONE CAULKING TO THE GUTTER DRAIN LIP & ATTACH TO GUTTER WHILE CAULK IS STILL WET. THIS WILL ALLOW CAULKING TO COVER THE SCREW THREADS FOR AN APPROPRIATE SEAL.

GUTTER CONNECTION DETAILS

TYPICAL DETAILS

FRAMING SCHEDULE
COL. - SEE PLAN
BEAM - SEE PLAN
PURLIN - SEE PLAN
DESIGN LOADS: (PER IBC 2018)
RISK CATEGORY : II
USE GROUP : U
CONSTRUCTION TYPE : II-B
1603.1.1 FLOOR LIVE LOAD: N/A
1603.1.2 ROOF LIVE LOAD: 20 PSF
DEAD & COLLATERAL LOAD: 10 PSF
TOTAL ROOF DESIGN LOAD: 30 PSF
1603.1.3 ROOF SNOW LOAD:
SNOW LOAD COEF.(Ce) = 1.0
IMPORTANCE FACTOR (I) = 1.0
GROUND SNOW LOAD (Pg) = 15 PSF
FLAT ROOF SNOW LOAD (Pf) = 12.6 PSF
THERMAL FACTOR (CT) = 1.2
1603.1.4 WIND LOAD:
ULTIMATE DESIGN WIND SPEED, Vult (3 SEC GUST) : 116 MPH
NOMINAL DESIGN WIND SPEED, Vnsd : 90 MPH
WIND EXPOSURE: C
INTERNAL PRESSURE COEFFICIENT (GCp) : 0.00
COMPONENTS AND CLADDING
DESIGN WIND PRESSURE (Pnet) : 20.8 PSF
EARTHQUAKE LOAD DESIGN DATA
SEISMIC IMPORTANCE FACTOR (Ie) : 1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS
Ss=0.129 g Sms=0.206 g
S1=0.064 g Sm1=0.153 g
SITE CLASS "D"
SPECTRAL RESPONSE COEFFICIENTS
Sds=0.137 Sd1=0.102
SEISMIC DESIGN CATEGORY : B
BASIC SEISMIC FORCE RESISTING SYSTEM : CANTILEVERED COLUMN
RESPONSE MODIFICATION FACTOR (R) : 1.25
SEISMIC RESPONSE COEFFICIENT (Cs) : .110
EQUIVALENT LATERAL FORCE ANALYSIS PROCEDURE USED
DESIGN BASE SHEAR (V) : 1.03 KIPS / COLUMN (MAX)
(SEISMIC DOES NOT CONTROL)
FOOTING DESIGN:
CONSTRAINED CONDITION
LATERAL BEARING PRESSURE 100 PSF/Ft
MAX. END BEARING PRESSURE 1500 PSF
EXTEND FOOTING BELOW FROST LINE
CONCRETE: (PER ACI 318-11) - 3000 PSI STRENGTH (MIN)
BOLTS:
BOLTS SHALL CONFORM TO ASTM A325 FOR STRUCTURAL STEEL CONNECTIONS. BOLTS SHALL BE TIGHTENED TO THE "SNUG-TIGHT CONDITION" PER AISC AND RCSC SPECIFICATIONS. THE "SNUG-TIGHT CONDITION" IS DEFINED AS THE TIGHTNESS REQUIRED TO BRING THE CONNECTED PLIES INTO FIRM CONTACT. ALL OF THE BOLTS SHALL BE TIGHTENED SUFFICIENTLY TO PREVENT THE REMOVAL OF THE NUTS WITHOUT THE USE OF A WRENCH.
STEEL
1. ERECTION OF STEEL STRUCTURE SHALL BE PERFORMED PER ALL AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) ERECTION PROVISIONS.
2. STRUCTURAL STEEL SHALL CONFORM TO:
Wide Flange Beams - ASTM A992, Grade 50, Fy = 50 KSI
Structural Angles and Channel - ASTM A36, Fy = 36 KSI
Structural Plate - ASTM A36, Fy = 36 KSI
Structural Tubing - ASTM A500, Grade B, Fy = 42 KSI (ROUND) Fy = 46 KSI (SQ / RECT)
Structural Pipe - ASTM A53, Grade B, Fy = 35 KSI
REBAR - ASTM A615, GRADE 60, Fy = 60 KSI
3. ALL STEEL FRAMING MEMBERS ARE TO BE PAINTED WITH A RED OXIDE PRIMER
WELDS
ALL WELDED CONNECTIONS SHALL BE IN ACCORDANCE WITH LATEST AWS SPECIFICATIONS, USING E70XX ELECTRODES. ALL WELDING SHALL BE PERFORMED BY AN AWS CERTIFIED WELDER.
ROOF PANELS
20 GA. ROLLED FORM STEEL DECKING INSTALLED W/ MAX CLIPS PER MFR. INSTRUCTIONS. U.N.O.
FOUNDATIONS
SEE FOOTING PLANS FOR DETAILS.
GROUT
Factory Package - ASTM 109
Non-Corrosive and Non-Staining
To be mixed with water for consistency suitable for application and 30 minute working time.

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SHELBY, NORTH CAROLINA 28150
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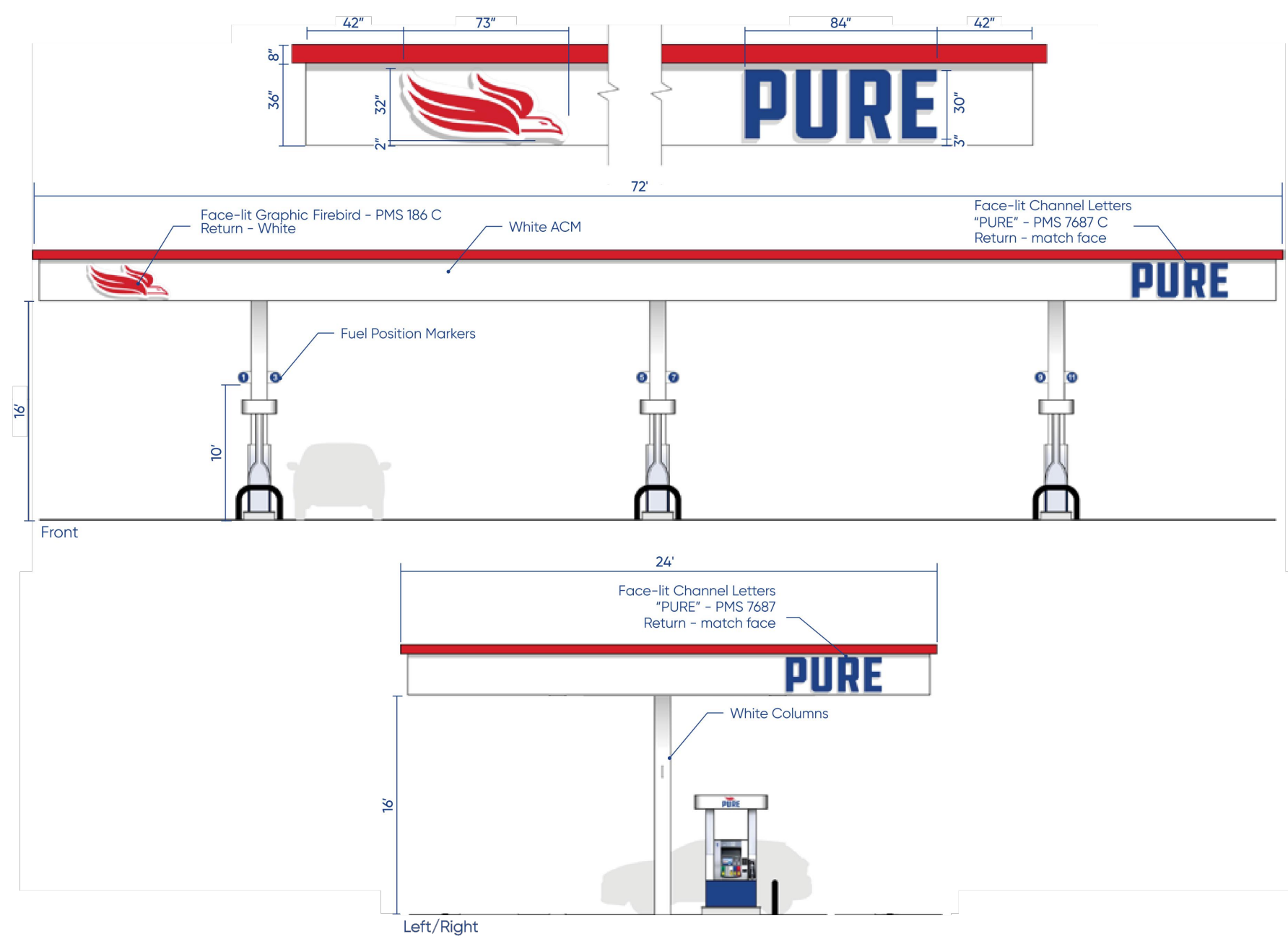
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SCALE NTS DRAWING # 873 SHEET 2 OF 3



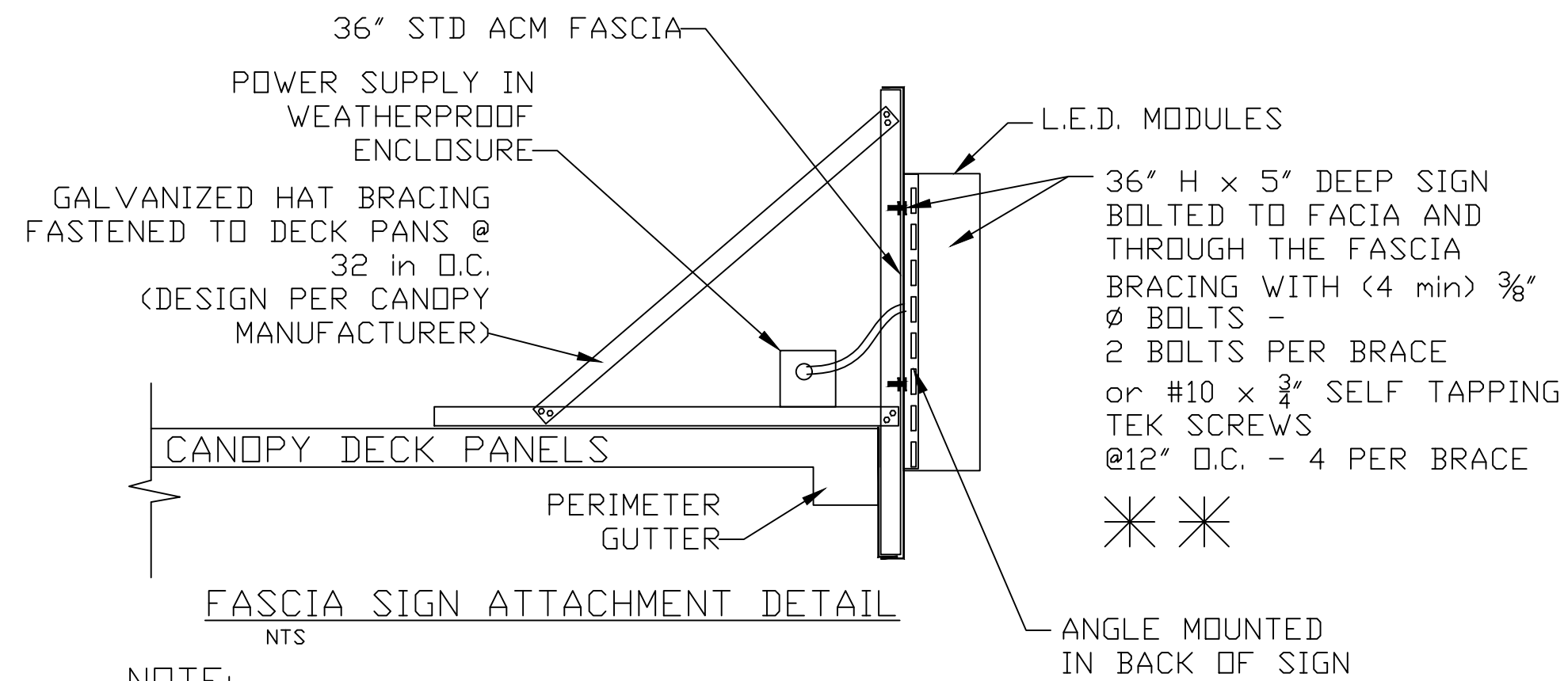
3/11/2021

36" Fuel Canopy Tier 1



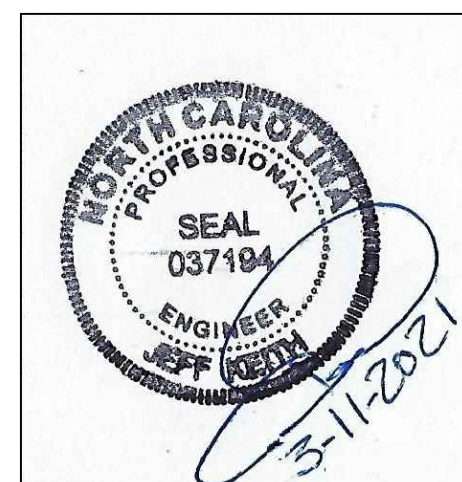
START DATE: 3-9-21	REVISION DATES:	Canopy Signage	CHALYBEATE STORE 9101 U.S. 401, Fuquay-Varina, NC 27526	SALES: TJ	MANAGER: LA	DESIGN: IM
	1. _____ 3. _____ 5. _____ 2. _____ 4. _____ 6. _____			APPROVED BY: _____	DATE: _____	

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NOTE:
 ✱ ✱ DESIGN FASCIA SPACING IS TO BE 32" O.C. (MAX)

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SCALE NTS	DRAWING # 873	SHEET 3 OF 3

3/11/2021