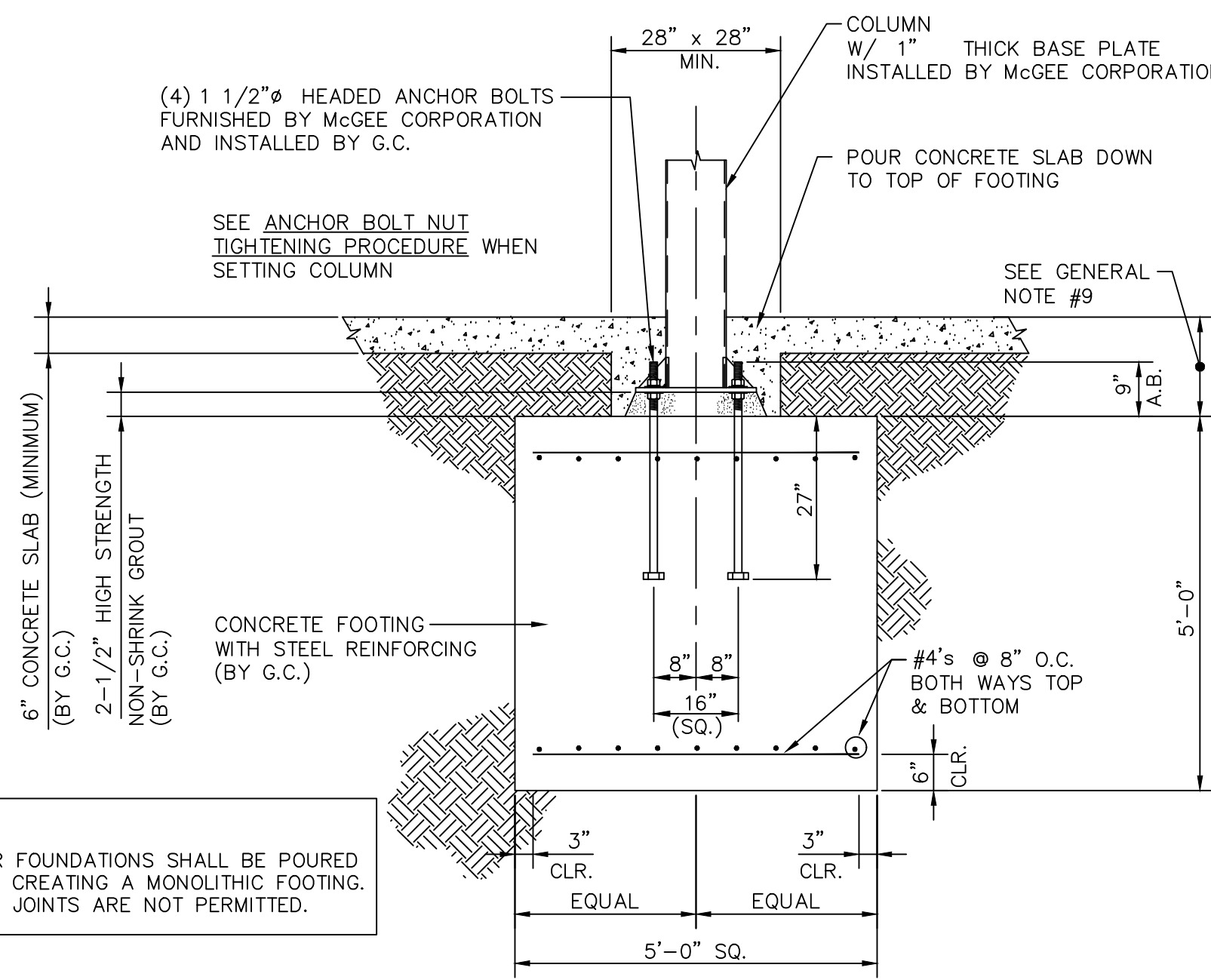
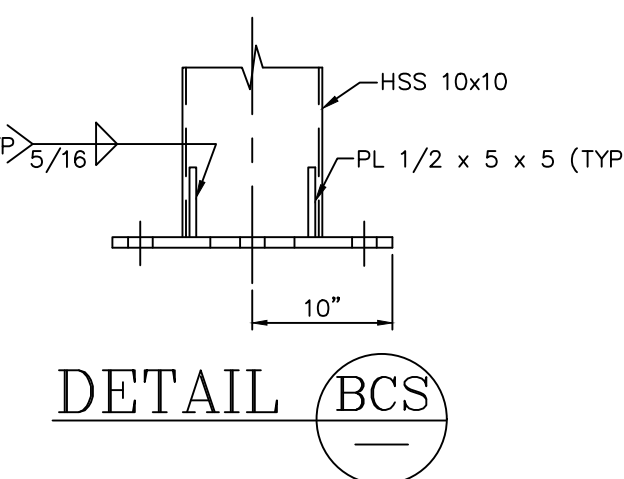
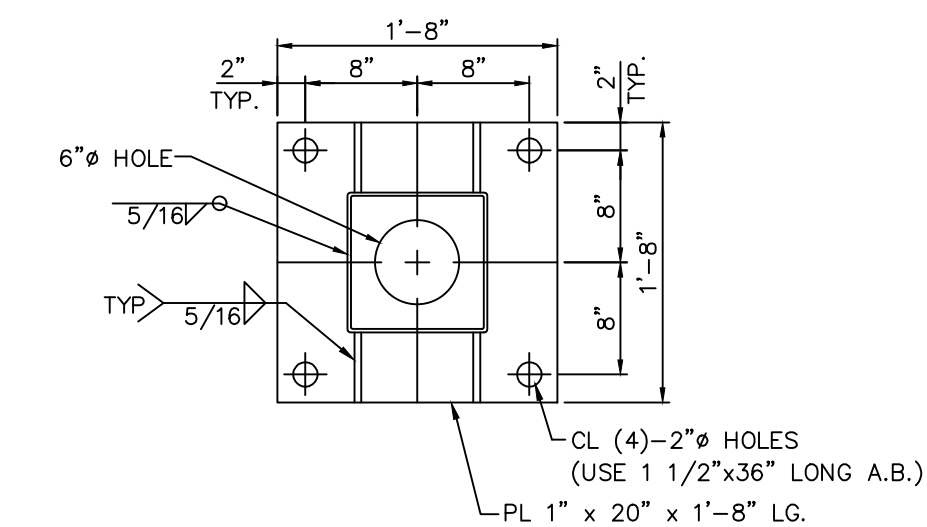
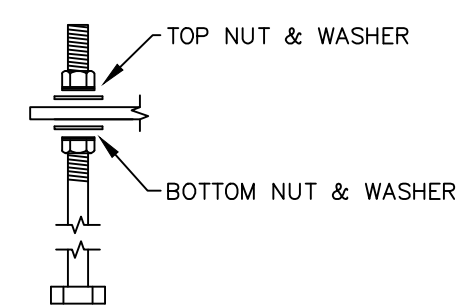


**FOUNDATION PLAN**

ALL DIAGONAL DIMENSIONS SHOWN ARE GIVEN TO CL OF COLUMN

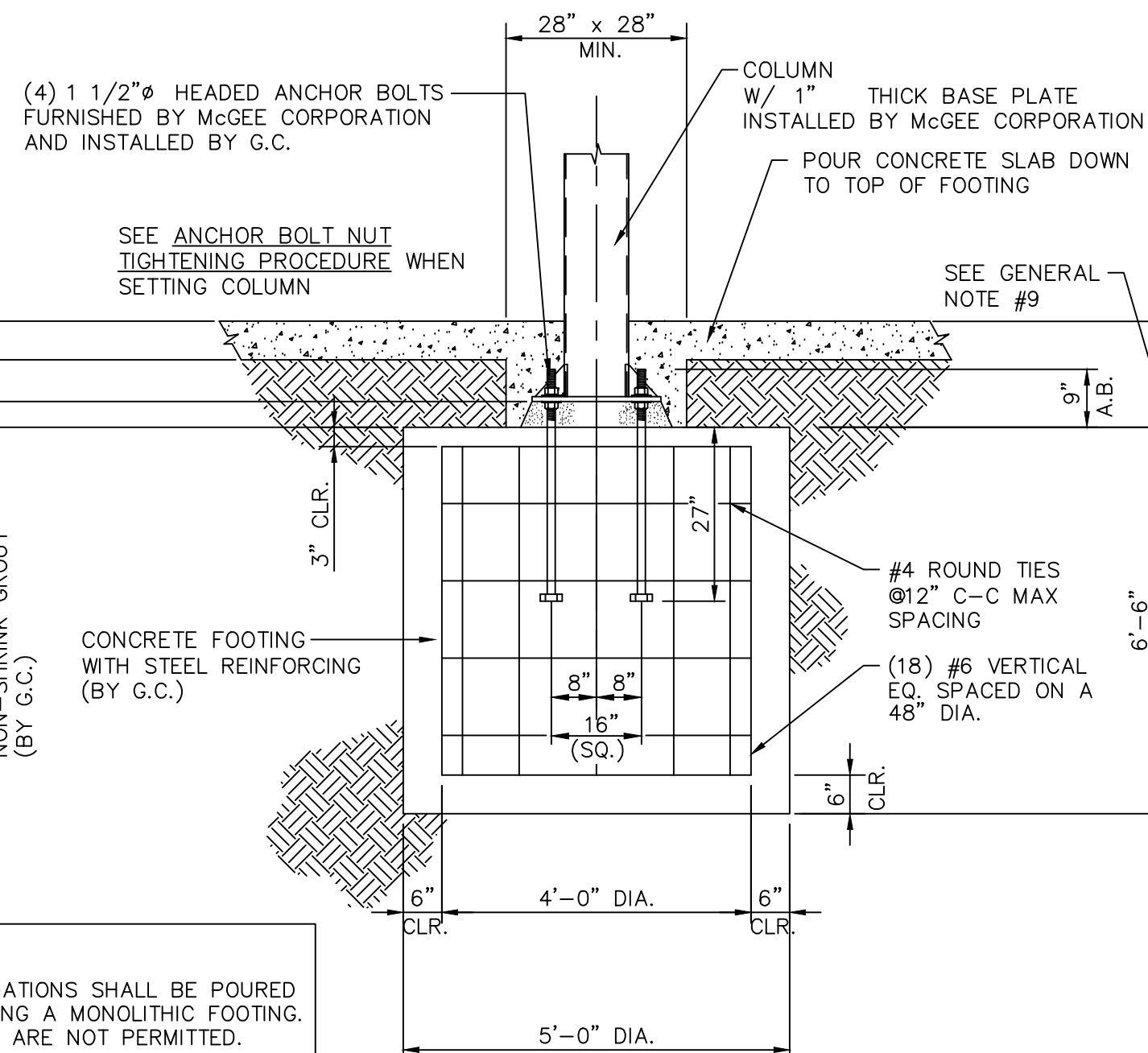
**ANCHOR BOLT NUT TIGHTENING PROCEDURE:**

SET AND PLUMB THE COLUMN, PER AISC ERECTION PROVISIONS, WITH DOUBLE NUTS ON THE REQUIRED NUMBER OF ANCHOR BOLTS. THE BOTTOM NUT SHALL HAVE A FLAT WASHER BETWEEN THE BOTTOM OF BASEPLATE AND THE TOP OF THE NUT. THE TOP NUT SHALL HAVE A WASHER BETWEEN THE TOP OF BASEPLATE AND THE BOTTOM OF THE NUT. AFTER THE COLUMN IS SET AND PLUMB, TIGHTEN THE TOP NUT TO A SNUG TIGHT CONDITION WITH TOP OF THE BASEPLATE (FULL EFFORT OF A MAN ON A WRENCH).



**NOTE:**  
CONCRETE FOR FOUNDATIONS SHALL BE POURED CONTINUOUSLY CREATING A MONOLITHIC FOOTING. CONSTRUCTION JOINTS ARE NOT PERMITTED.

**DETAIL F1**  
REV. 01/22/03



**DETAIL F2**  
REV. 01/22/03

**NOTE:**  
CONCRETE FOR FOUNDATIONS SHALL BE POURED CONTINUOUSLY CREATING A MONOLITHIC FOOTING. CONSTRUCTION JOINTS ARE NOT PERMITTED.

**GENERAL NOTES:**

- ERECTION OF STEEL STRUCTURE SHALL BE PERFORMED PER ALL AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) ERECTION PROVISIONS.
- ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE", (ACI 318-14). ALL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS OF 3000 PSI AND A MINIMUM UNIT WEIGHT OF 145 PCF. REINFORCING STEEL SHALL BE NEW BILLET STEEL DEFORMED BARS CONFORMING TO ASTM A615, GRADE 60.
- STRUCTURAL STEEL SHALL CONFORM TO:
  - Wide Flange Beams - ASTM A992, Grade 50, Fy = 50 KSI
  - Structural Angle and Channel - ASTM A36, Fy = 36 KSI
  - Structural Plate - ASTM A572, Grade 50, Fy = 50 KSI
  - Structural Tubing - ASTM A500, Grade B, Fy = 46 KSI
  - Structural Pipe - ASTM A500, Grade B, Fy = 42 KSI
- LIGHT GAUGE COLD FORMED SHAPES SHALL CONFORM TO ASTM A653 AND ASTM C-955. ALL MEMBERS SHALL BE FORMED FROM MATERIAL HAVING A 50 KSI MINIMUM YIELD STRENGTH.
- BOLTS SHALL CONFORM TO ASTM A325 FOR STRUCTURAL STEEL CONNECTIONS. BOLTS SHALL BE TIGHTENED TO SNUG TIGHT PER AISC # RC5C SPECIFICATIONS.
- MINIMUM REQUIRED SOIL BEARING PRESSURE OF 2000 PSF Per BET Geotech Report 9/19/15
- DESIGN CRITERIA- 2020 FLORIDA BUILDING CODE (7TH EDITION)
  - Roof Live Load = 30 PSF
  - Roof Snow Load (ASCE 7-16):
  - Ground Snow Load- Pg = 0 PSF
  - Flat Roof Snow Load- Pf = 0 PSF
  - Snow Exposure Factor- Ce = 1.0
  - Snow Importance Factor- Is = 1.0 (Risk Category II)
  - Thermal Factor- Ct = 1.2
  - Wind Load (ASCE 7-16):
  - Basic (Ult) Wind Speed (3-Sec. Gust) - V = 159 MPH
  - Lateral = 50 PSF (MWRFS) (USING 0.6W FOR ASD)
  - Uplift = 30 PSF (MWRFS) / 46 PSF (CAC) (USING 0.6W FOR ASD)
  - Wind Importance Factor- Iw = 1.0 (Risk Category II)
  - Wind Exposure - 'C'
  - Internal Pressure Coefficients - GCp1 = 0.00 (Open Bldg.)
  - SEISMIC LOAD : (ASCE 7-16)
  - Seismic Importance Factor - Ie = 1.00 (Risk Category II)
  - Risk Category - II
  - Mapped MCEP Response Accelerations At Short Periods - S<sub>s</sub> = N/A g - Fa = N/A
  - Mapped MCEP Response Accelerations At 1-Sec. Period - S<sub>1</sub> = N/A g - Fv = N/A
  - Site Class - N/A
  - Design Spectral Response Acceleration At Short Periods - S<sub>ds</sub> = N/A g
  - Design Spectral Response Acceleration At 1-Sec. Period - S<sub>d1</sub> = N/A g
  - SEISMIC DESIGN CATEGORY - N/A
- STRUCTURAL AND MISCELLANEOUS STEEL SUBJECTED TO EXTERIOR EXPOSURE HAS BEEN PRIME COATED ONLY. FIELD TOUCH-UP, FINISH PAINTING AND MAINTENANCE ARE THE RESPONSIBILITY OF THE OWNER.
- FOUNDATIONS (WHERE SHOWN) HAVE BEEN SIZED FOR GIVEN LOADS AND ALLOWABLE SOIL PRESSURE. THEIR DESIGN ASSUMES THAT THERE ARE NO BURIED TANKS OR OTHER NEARBY OBSTRUCTIONS THAT WOULD BE DETRIMENTAL TO THEIR PROPER FUNCTION. THE ENGINEER OF RECORD SHALL BE NOTIFIED PRIOR TO CONSTRUCTION OF FOUNDATIONS FOR THE RESOLUTION OF ANY CONFLICT, WHERE FOUNDATION DETAIL IS NOT SHOWN McGEE CORPORATION AND THEIR ENGINEERS TAKE NO RESPONSIBILITY FOR FOUNDATION DESIGN.
- ALL WELDED CONNECTIONS SHALL BE IN ACCORDANCE WITH LATEST AWS SPECIFICATIONS, USING E70XX ELECTRODES. ALL WELDING SHALL BE PERFORMED BY AN AWS CERTIFIED WELDER.
- USE GROUP "M" / CONSTRUCTION TYPE II-B

**SITE CONDITIONS / REQUIREMENTS**

- PROVIDE A DRIVE ACCESSIBLE AREA TO WITHIN 15'-0" FROM THE EDGE OF CANOPY FASCIA IN ORDER TO UNLOAD MATERIALS AND PERFORM WORK.
- FILL ALL OPEN TANK HOLES AND TRENCHES WITHIN 15'-0" FROM THE EDGE OF CANOPY FASCIA FROM THE TIME THAT THE STRUCTURE ARRIVES AND UNTIL ERECTION IS COMPLETE.
- THE JOB SITE MUST BE GRADED LEVEL WITH NO SWELLS, DITCHES, OR TOPOGRAPHICAL IRREGULARITIES WITHIN 15'-0" FROM THE EDGE OF CANOPY FASCIA. ANY CONCRETE POURED PRIOR TO McGEE'S ARRIVAL MUST HAVE HAD AMPLE TIME TO CURE AND BE ABLE TO SUPPORT THE WEIGHT OF McGEE'S TRAILERS AND CRANES.
- THE JOB SITE MUST BE DRY ENOUGH FOR McGEE'S VEHICLES AND PERSONNEL TO PERFORM WORK. IF NECESSARY THE GENERAL CONTRACTOR SHOULD LAY GRAVEL IN EXCESSIVELY MUDDY AREAS TO ENSURE ADEQUATE WORK CONDITIONS.
- POURED CONCRETE PAVING UNDER THE CANOPY TO BE EXCLUSIVELY FOR WORK SPACE AND STORAGE OF MATERIALS.
- REMOVE ALL OVERHEAD OBSTRUCTIONS.
- FORM, SET, AND POUR FOUNDATIONS PER McGEE'S SITE SPECIFIC APPROVED FOUNDATION PLAN. ALL FORMS SHALL BE REMOVED PRIOR TO McGEE'S ARRIVAL. ALL THREADS SHALL BE FREE FROM DEBRIS AND DUST AND SHALL BE ACCESSIBLE.
- INSTALL ALL ANCHOR BOLTS W/ NUTS. SET AT PROPER ELEVATIONS WITH NO MORE THAN 1/4" TOLERANCE.
- PROVIDE TEMPORARY POWER SOURCE (110 VOLTS) WITHIN 100 FEET OF THE STRUCTURE FOR INSTALLERS USE.
- OBTAIN ALL REQUIRED PERMITS FROM LOCAL AUTHORITIES AND ARRANGE ALL LOCAL INSPECTIONS.
- VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. ANY DEVIATIONS FROM THESE DRAWINGS DUE TO FIELD CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE PROJECT ENGINEER FOR MODIFICATIONS.

PLEASE REVIEW ALL DRAWINGS, SIGN AND RETURN FOR FABRICATION OF CANOPY

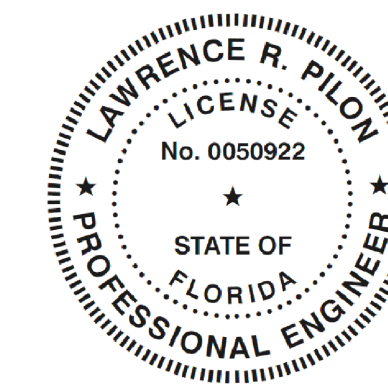
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	<input type="checkbox"/> APPROVED WITH NOTED CHANGES
<b>COLUMN SPACING</b>	<input type="checkbox"/> APPROVED AS SUBMITTED
	<input type="checkbox"/> APPROVED WITH NOTED CHANGES
<b>CLEARANCE</b>	<input type="checkbox"/> APPROVED AS SUBMITTED
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<b>SIGNAGE</b>	<input type="checkbox"/> NUMBER APPROVED AS SUBMITTED
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<b>DECALS</b>	<input type="checkbox"/> APPROVED AS SUBMITTED
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<b>LIGHTS</b>	<input type="checkbox"/> NUMBER APPROVED AS SUBMITTED
	<input type="checkbox"/> LAYOUT APPROVED AS SUBMITTED
	<input type="checkbox"/> APPROVED WITH NOTED CHANGES

ELEVATION FORMS FORWARDED TO GENERAL CONTRACTOR

APPROVED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

NOTE: SIGNED SALES ORDER, APPROVAL DRAWINGS, AND A COMPLETED ELEVATION FORM MUST BE RECEIVED AT LEAST 3 WEEKS PRIOR TO DELIVERY OF ANY CANOPY MATERIALS. REQUESTED DELIVERY DATE: \_\_\_\_\_



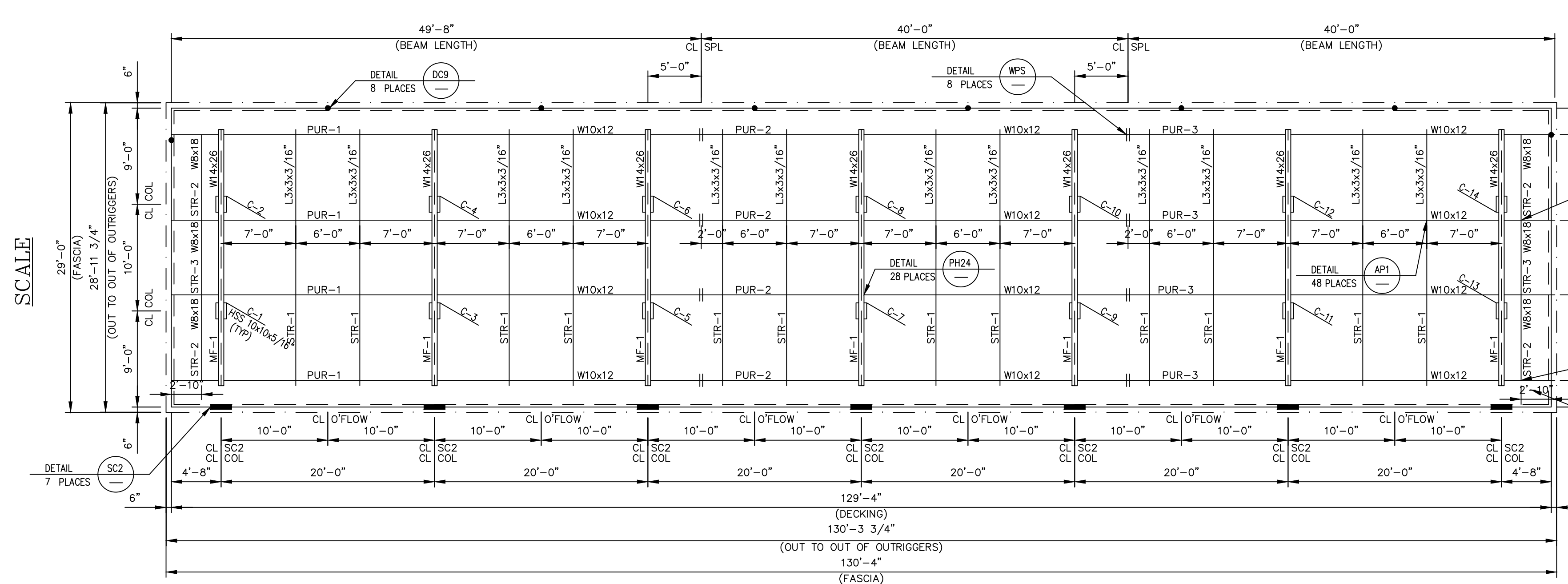
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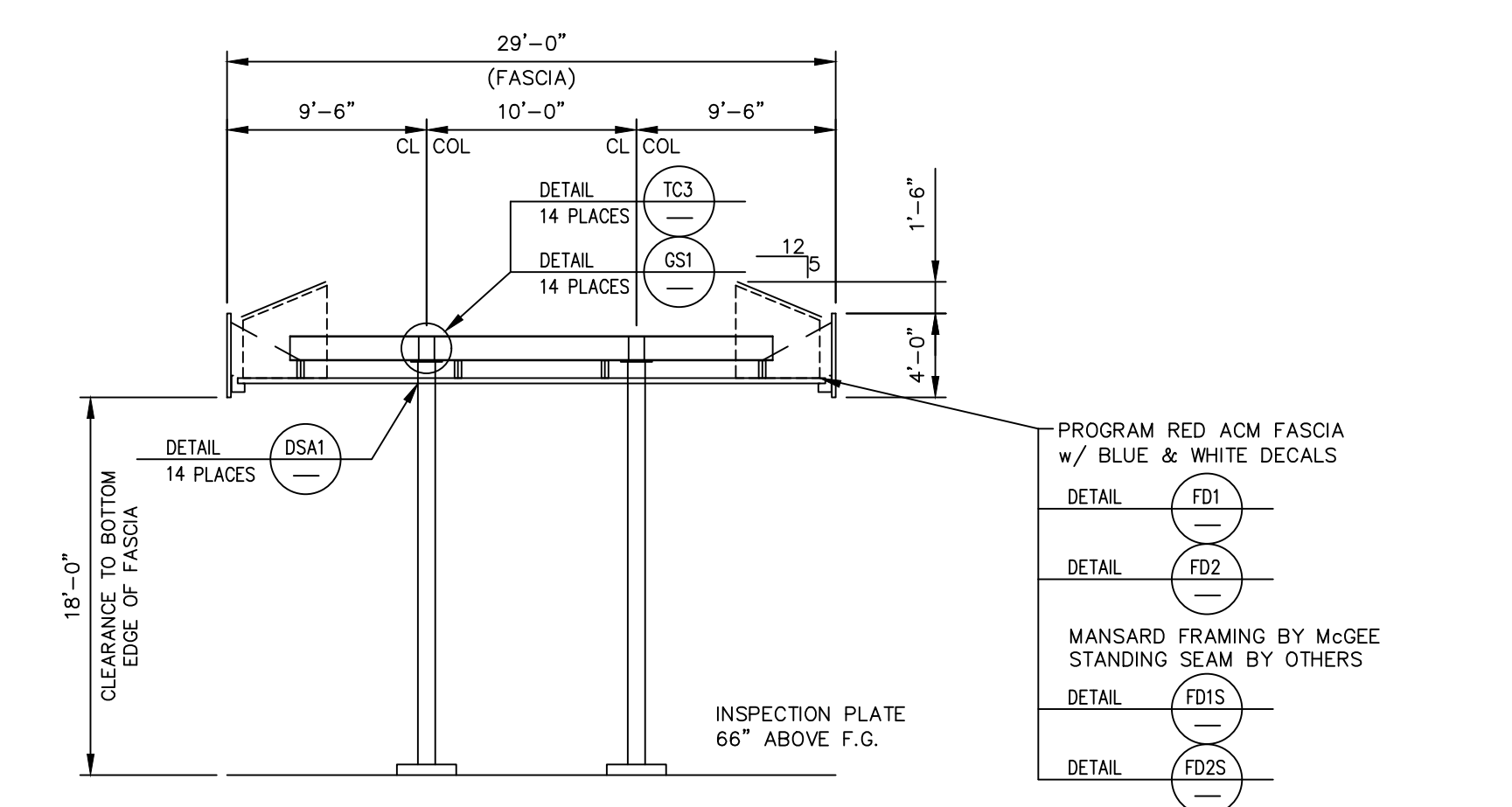
**LAWRENCE R. PILON / PROFESSIONAL ENGINEER**  
51 MAPLEVIEW DRIVE/PENNELVILLE, NY 13132  
(315) 668-0039  
FLORIDA LICENSE # 50922

<b>McGEE CORPORATION</b> 12701 East Independence Blvd. P.O. Box 1375 Matthews, NC 28106-1375 Phone: (704) 882-1500 Watts: (800) 526-5589	DR. JOB NO. _____	FINAL JOB NO. 60134-B	DRAWING NO. P060134-B
	<b>RACETRAC PETROLEUM INC #1422</b> 8990 20TH STREET VERO BEACH, FL 32966 (INDIAN RIVER)		
	SCALE: 1/8"=1'-0"	IN ACCORDANCE WITH REV. LETTER: _____	DRAWN BY: JWG
	DATE: 10/19/21		CHKD BY: _____
<b>METAL CANOPY 29'-0" x 130'-4"</b> <b>FOUNDATION PLAN</b>			SHEET NO. 1 of 3

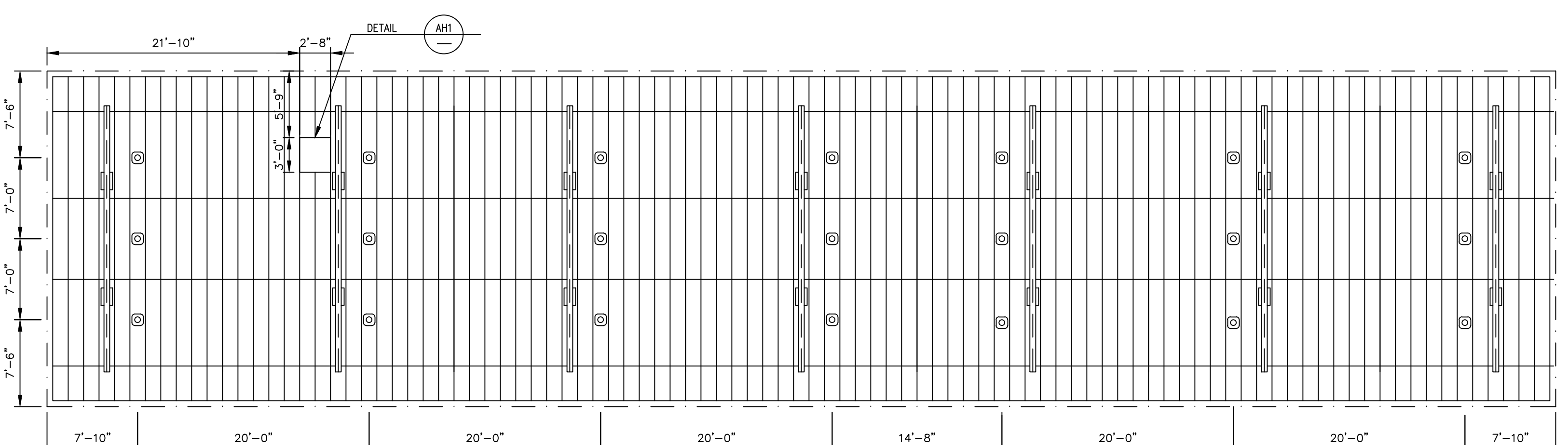




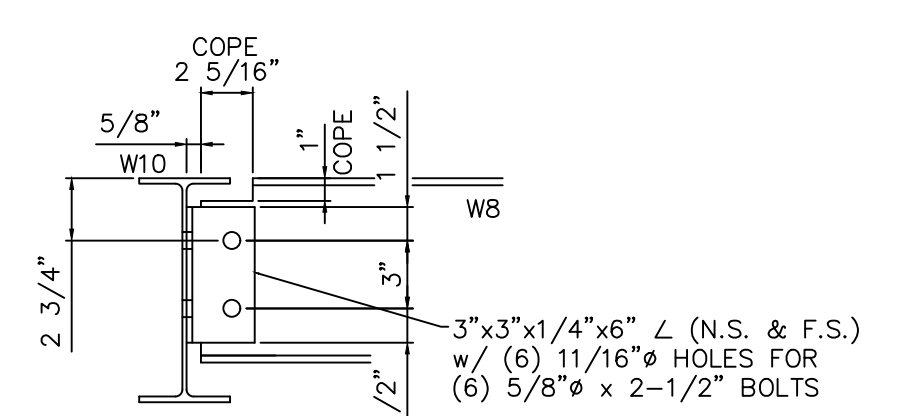
CANOPY ROOF PLAN



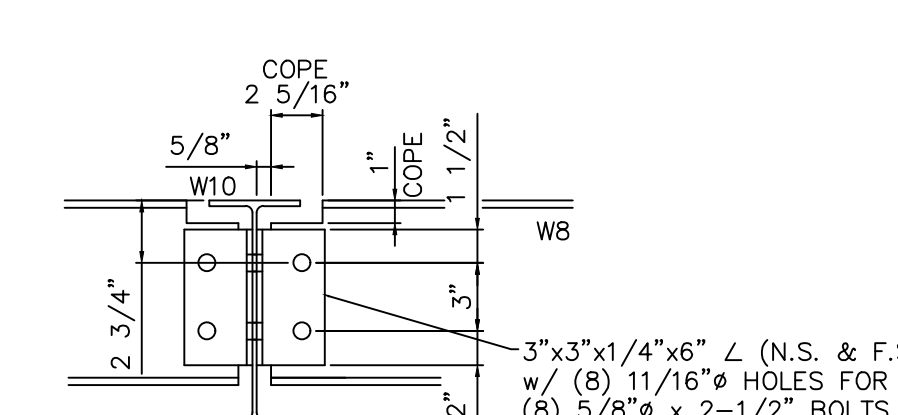
MAIN FRAME DETAIL



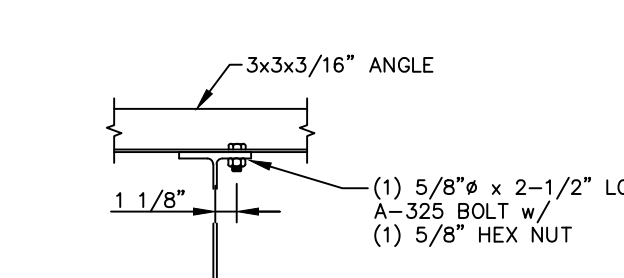
CANOPY LIGHT LAYOUT  
INSTALL (21) LSI LIGHT FIXTURES; ALL ELECTRICAL WORK BY OTHERS



DETAIL WA2T



DETAIL WA2T



DETAIL AP1

ANCHOR BOLT SHIPPING REQUIREMENTS

ANCHOR BOLT USE	BOLT DESCRIPTION	QUANTITY
BCS-BASE PLATE (14 PLACES)	1 1/4" x 36" LONG HEX HEAD ANCHOR BOLT	56

HARDWARE LIST BREAK-DOWN (REFERENCE ONLY)

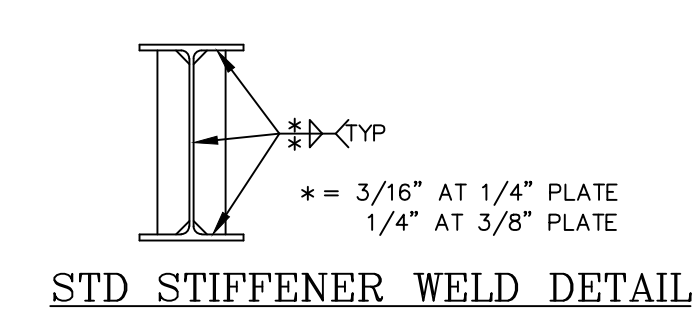
ITEM USE (# OF PLACES FOR CHECKING ONLY)	DESCRIPTION	QUANTITY
TC3-TOP PLATE (14 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	112
WPS-BEAM SPLICE (8 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	64
WPS-BEAM SPLICE (8 PLACES)	6x1'-1"x3/8" PLATE	8
WA1T-CONNECTION (4 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	24
WA1T-CONNECTION (4 PLACES)	L3"x3"x1/4"x6"	8
WA2T-CONNECTION (4 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	32
WA2T-CONNECTION (4 PLACES)	L3"x3"x1/4"x6"	16
PH24-CONNECTION (28 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	112
AP1-CONNECTION (48 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	48

CANOPY SHIPPING STEEL HARDWARE MANIFEST

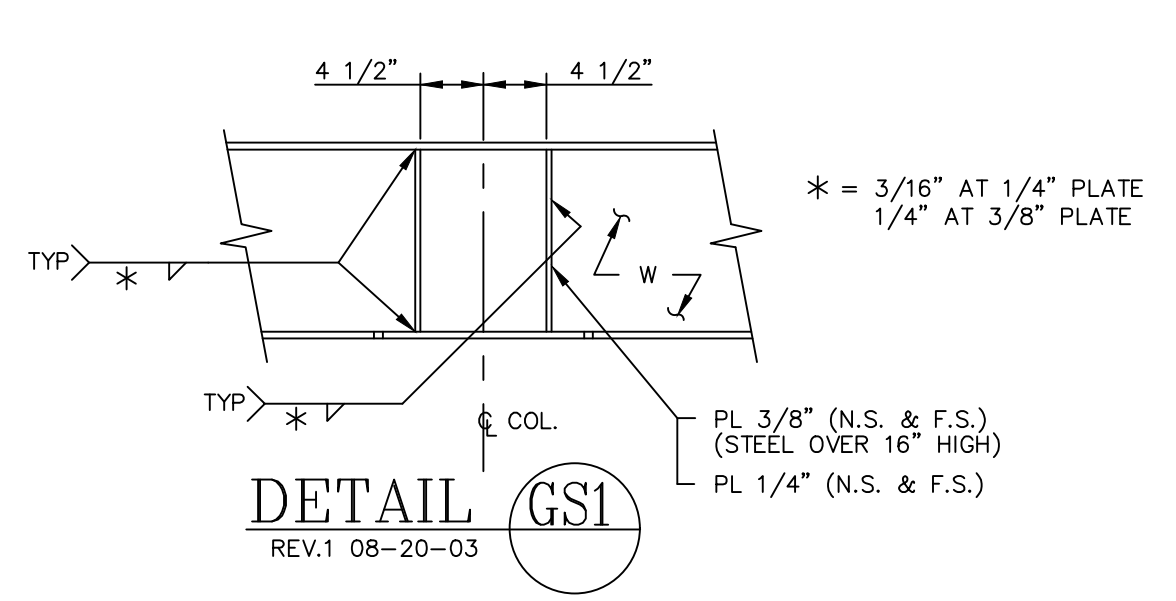
QUANTITY	DESCRIPTION	QUANTITY SHIPPED	PULLED BY	CHECKED BY	TRAILER #	LOADED BY
392	5/8" x 2-1/2" BOLTS w/ NUTS					
8	(WPS) 6x1'-1"x3/8" PLATE					
24	L3"x3"x1/4"x6"					

CANOPY SHIPPING MANIFEST

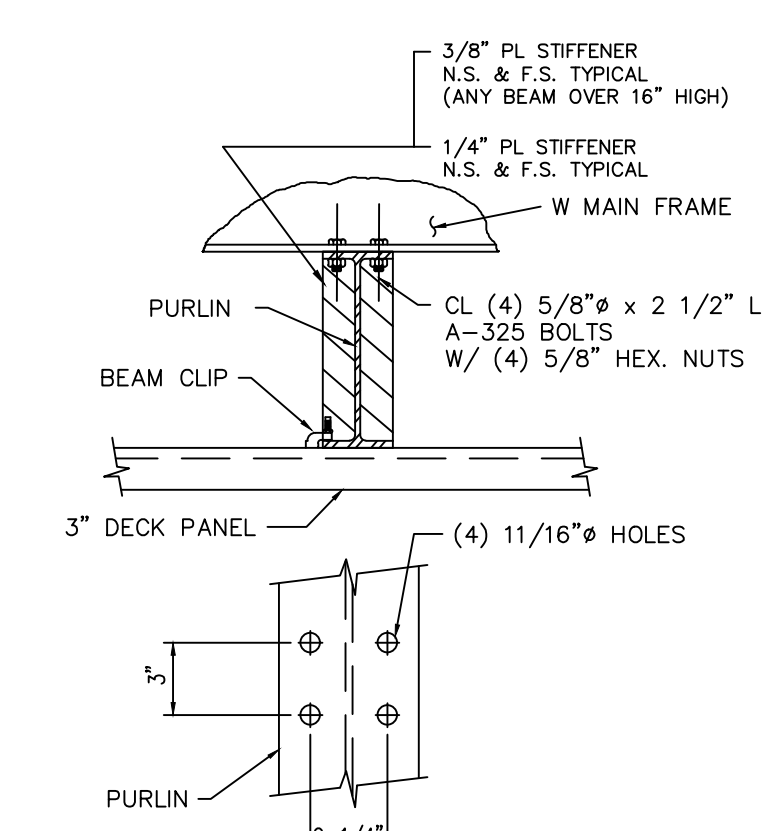
	TOP PLATE	BASE PLATE	PLATE DRAINS	W/S & CONDUIT	VENT
7	MF-1 W14x26 (24'-0")				
4	PUR-1 W10x12 (49'-7 7/8")				
4	PUR-2 W10x12 (39'-11 3/4")				
4	PUR-3 W10x12 (39'-11 7/8")				
12	STR-1 L3x3x3/16" (24'-0")				
4	STR-2 W8x18 (7'-10 3/4")				
2	STR-3 W8x18 (6'-10 3/4")				
7	COL 1,3,5,7,9,11,13, HSS10x10x5/16"				
7	COL 2,4,6,8,10,12,14, HSS10x10x5/16"				
100	SIDE OUTRIGGERS SPACED @ 32" O.C.				
24	END OUTRIGGERS SPACED @ 32" O.C.				
1-Lot	HARDWARE				



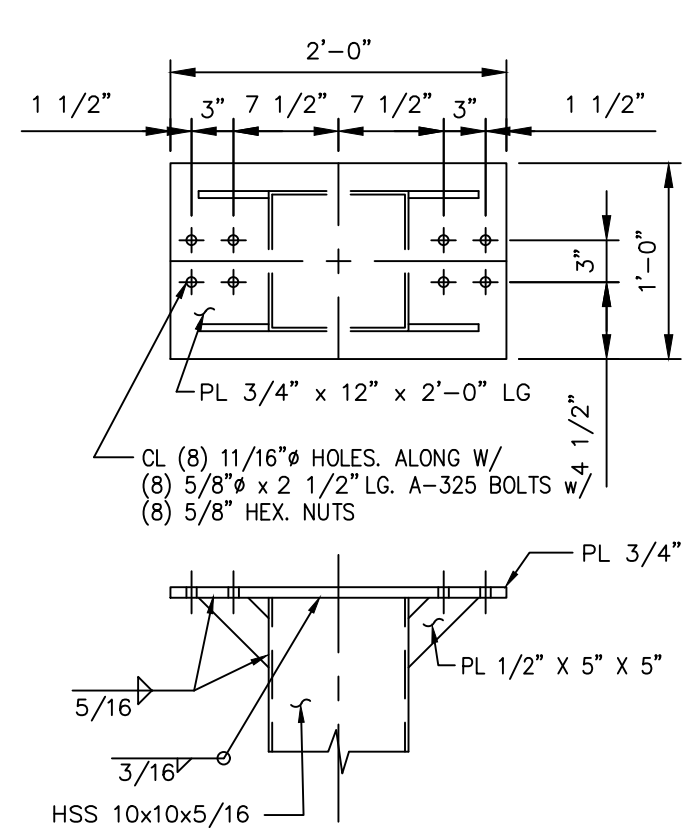
STD STIFFENER WELD DETAIL



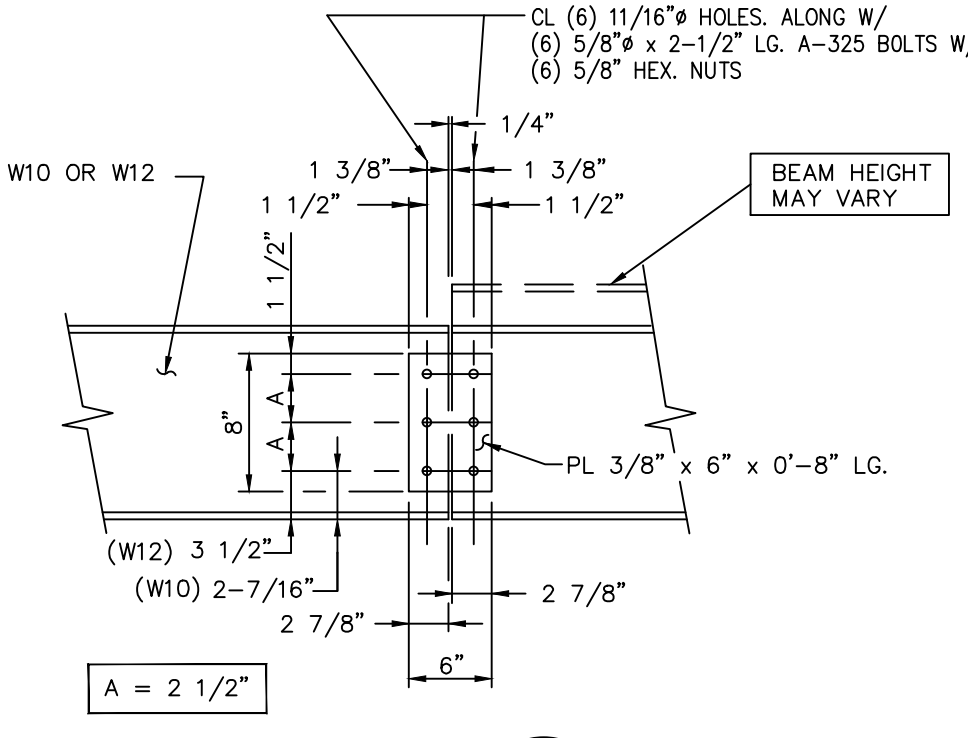
DETAIL GSI  
REV.1 08-20-03



DETAIL PH24  
REV 09-21-98



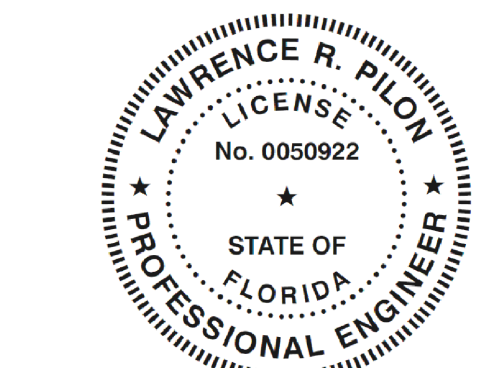
DETAIL TC3  
REV.2 08/20/03



DETAIL WPS  
REV.4 11/09/00

ERECTION NOTES:

REVIEW PLANS & DETAILS PRIOR TO INSTALLATION.  
INSTALL BEAMS ACCORDING TO MARKED END #'S ON ROOF PLAN.  
BEAM OVERHANG IS 4" LONGER ON RIGHT HAND END OF CANOPY.  
IF APPLICABLE, SAME APPLIES FOR BEAM OVERHANG AT TEE.  
THIS IS TO ALLOW FOR DECK PANEL GROWTH.  
INSTALL DECK PANELS FROM LEFT TO RIGHT ON MAIN CANOPY , IF APPLICABLE SAME APPLIES FOR TEE.  
SEE ROOF PLAN FOR PROPER SLOPE AND HOW SLOPE IS ACQUIRED.  
SEE FASCIA DETAILS WHICH ALSO REFERS BACK TO GENERAL NOTES FOR OUTRIGGER SPACINGS  
\*BP FASCIA ONLY\* START FASCIA AT LEFT END - SEE DIMENSION FOR LOCATION OF FIRST 14 PANEL.

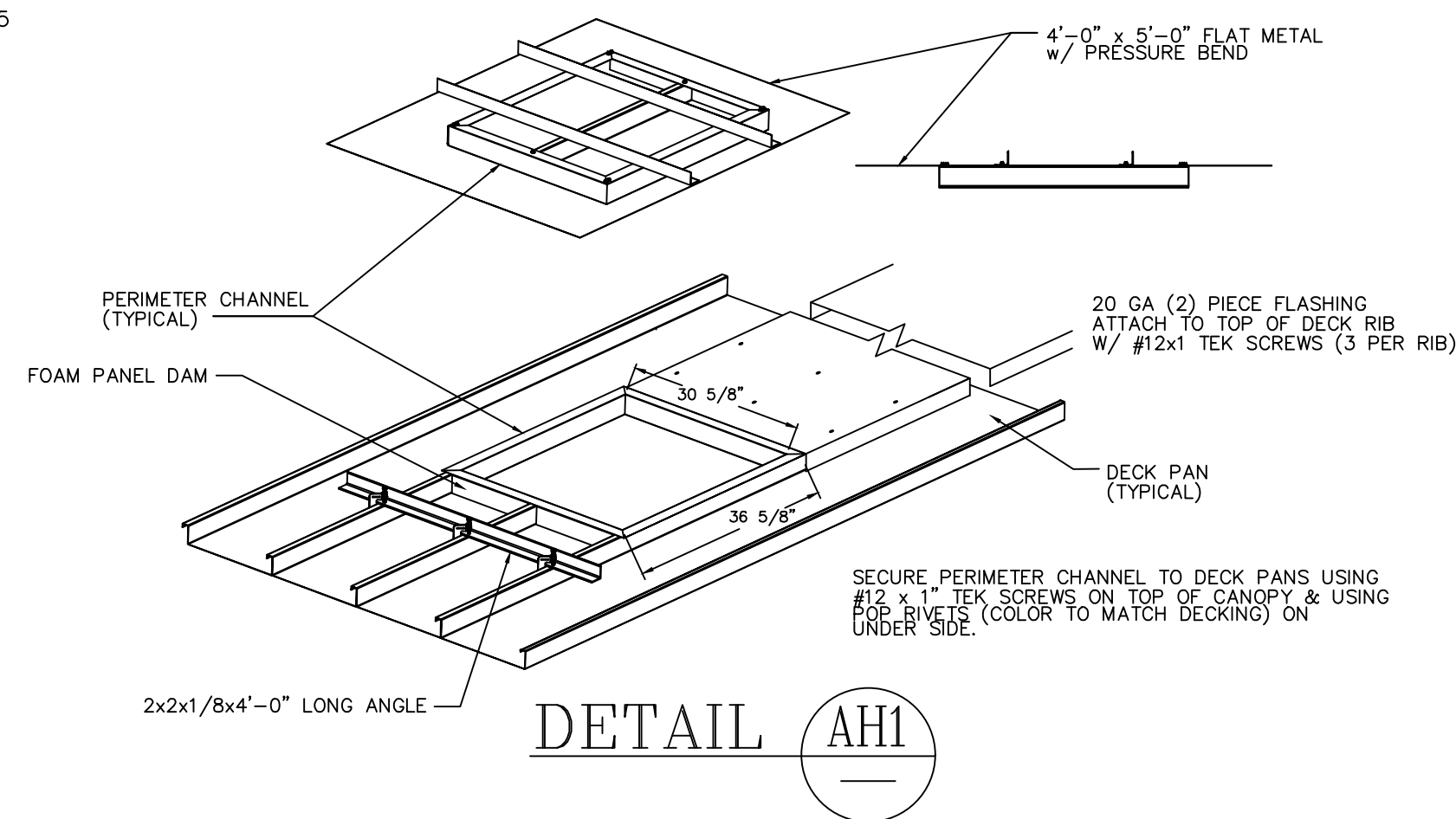
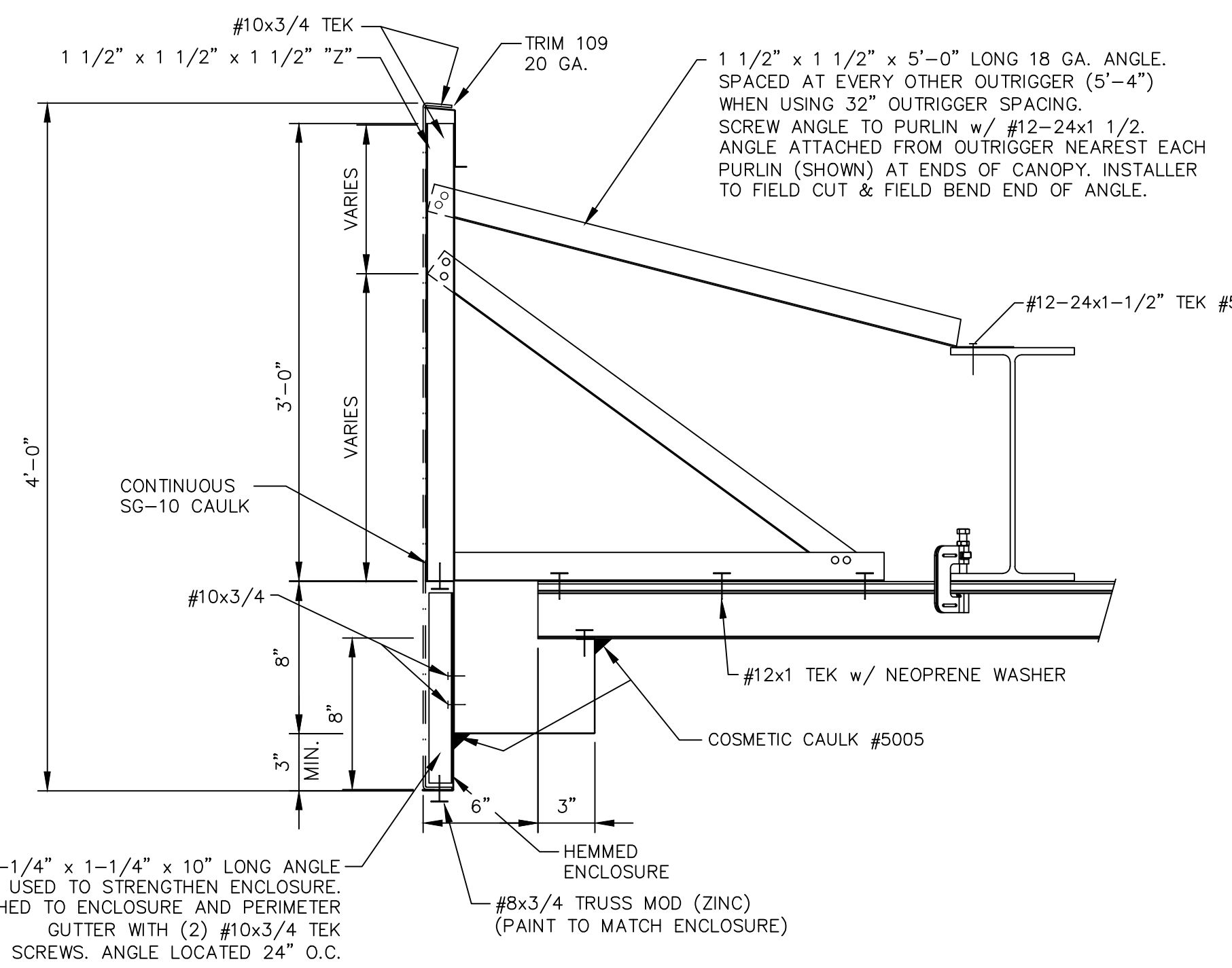
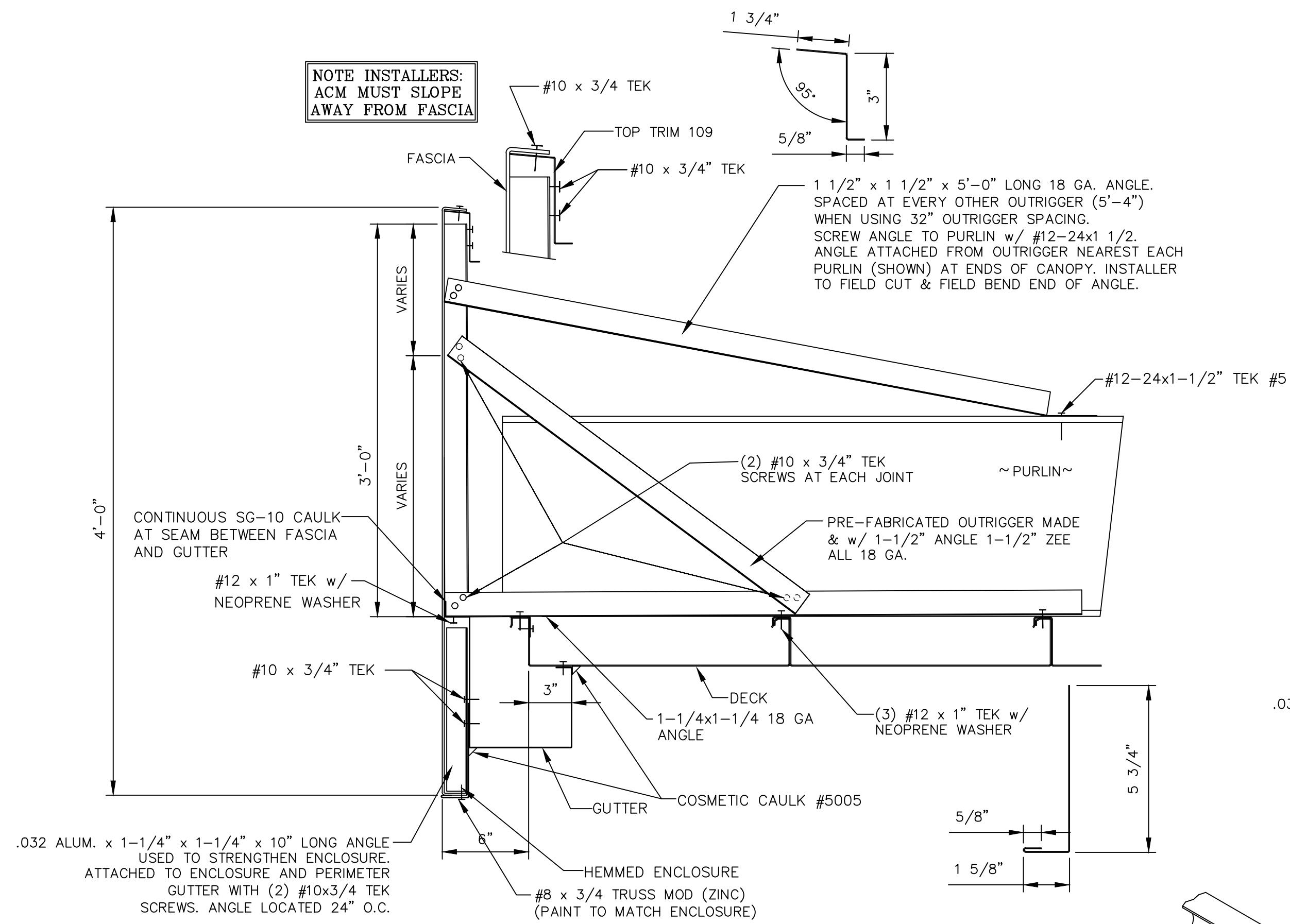


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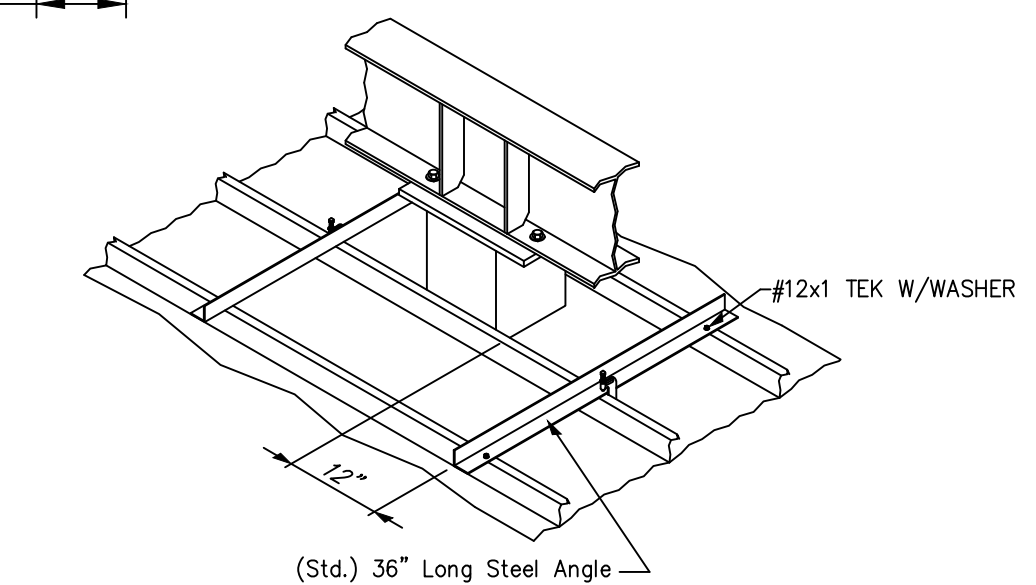
LAWRENCE R. PILON / PROFESSIONAL ENGINEER  
51 MAPLEVIEW DRIVE/PENNELVILLE, NY 13132  
(315) 668-0039  
FLORIDA LICENSE # 50922

PR. JOB NO.	FINAL JOB NO.	DRAWING NO.
	60134-B	P060134-B
<b>MCGEE CORPORATION</b> 12701 East Independence Blvd., P.O. Box 1375 Matthews, NC 28106-1375 Phone: (704) 882-1500 Watts: (800) 528-5589		
SCALE: 1/8"=1'-0"	IN ACCORDANCE WITH REV. LETTER:	DRAWN BY: JWG
DATE: 10/19/21		CHK'D BY:
<b>RACETRAC PETROLEUM INC #1422</b> 8990 20TH STREET VERO BEACH, FL 32966 (INDIAN RIVER)		
<b>METAL CANOPY 29'-0" x 130'-4"</b>		
ROOF PLAN & DETAILS		SHEET NO. 2 of 3



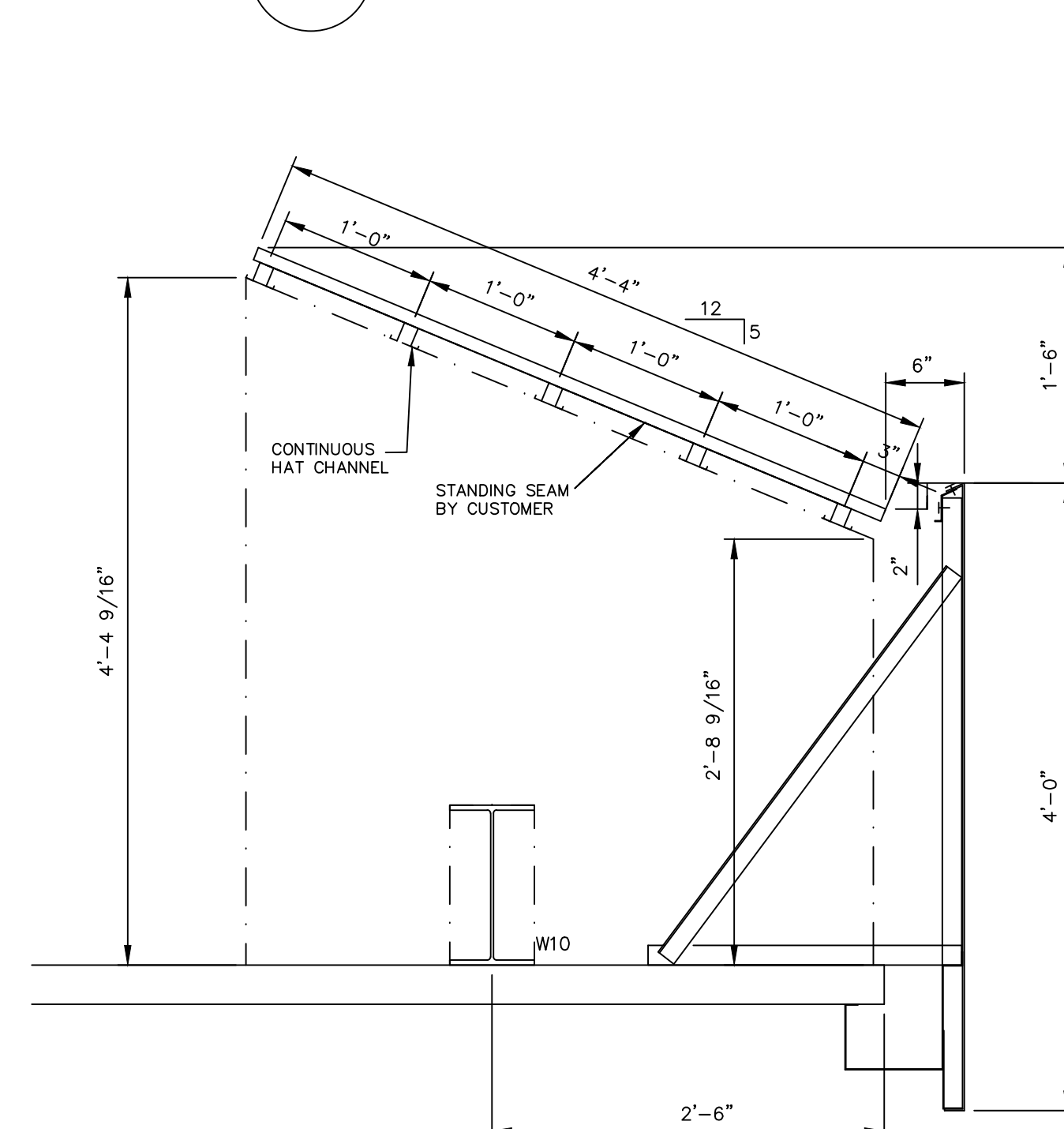


**DETAIL FD2**  
3/12/2019  
END

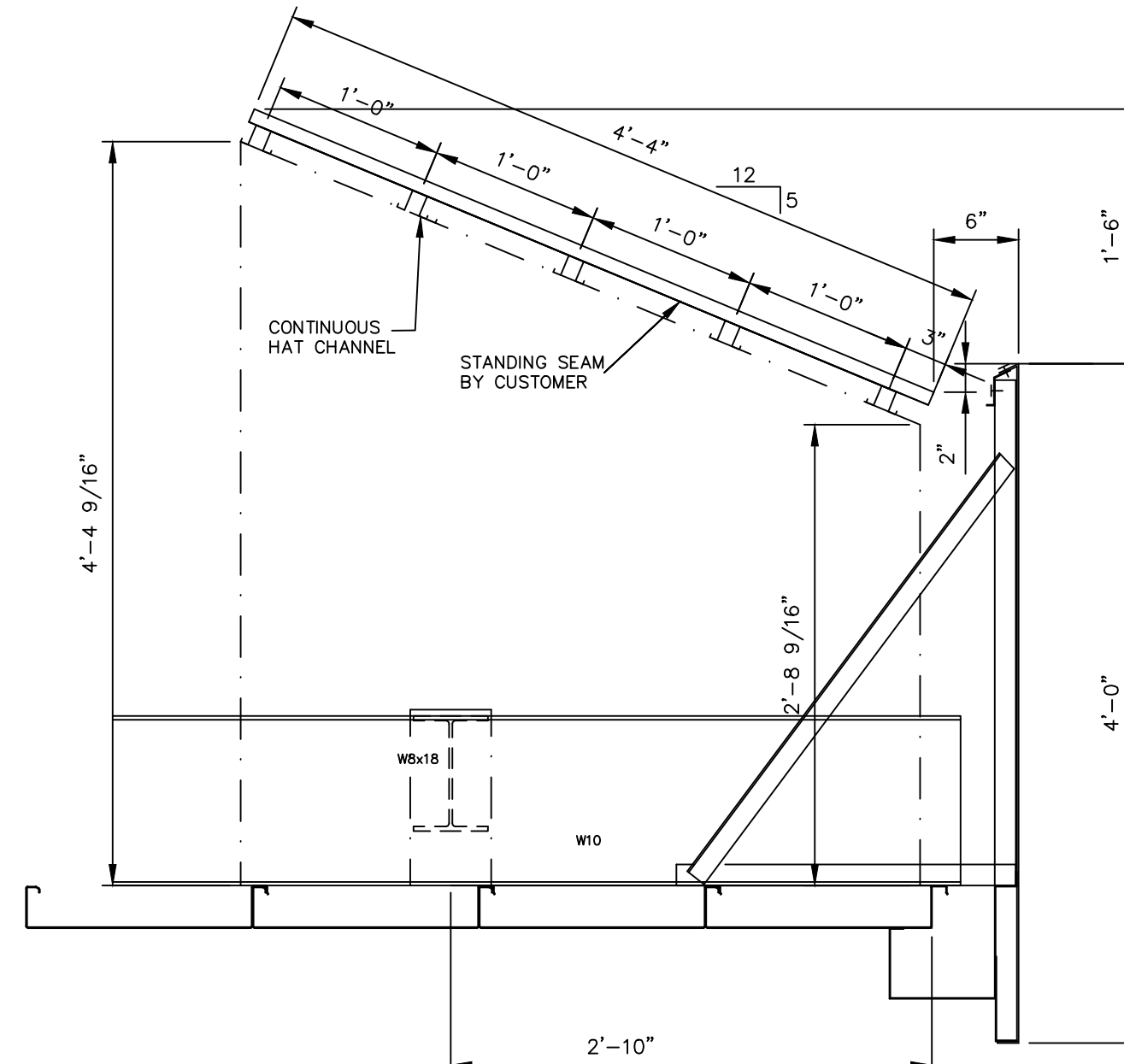


- Step 1 Attach a support bracket on each side of the column to support the cut rib of deck. Keep bracket at least 12" away from column to allow room to seal around column. (Typ. all columns)
- Step 2 Use McGee beam clip and TEK screws as shown to secure and support.

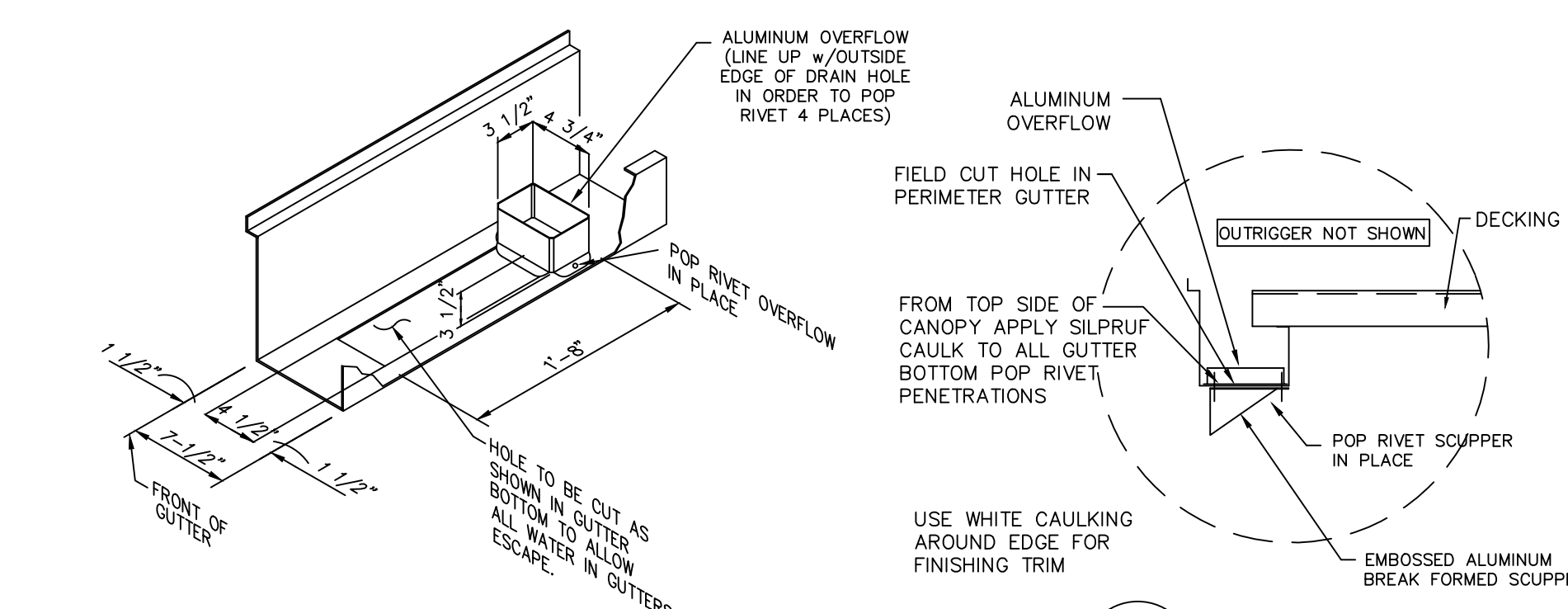
**DETAIL DSA1**



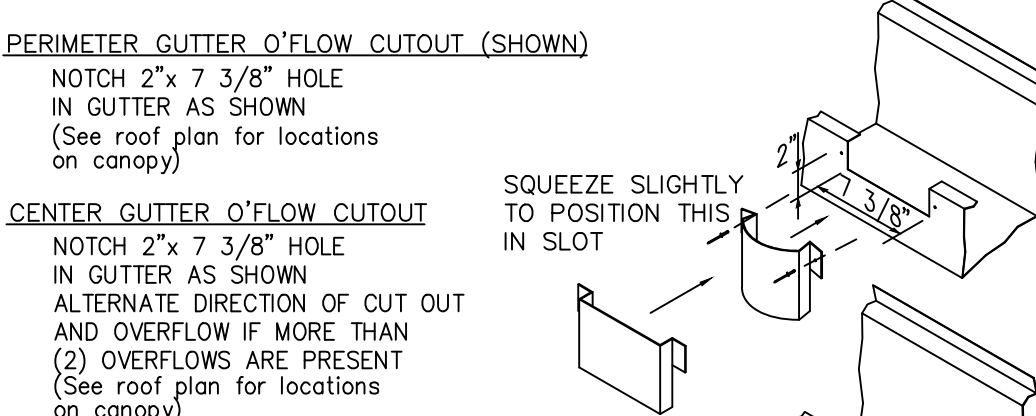
**DETAIL FD1S**  
SIDE



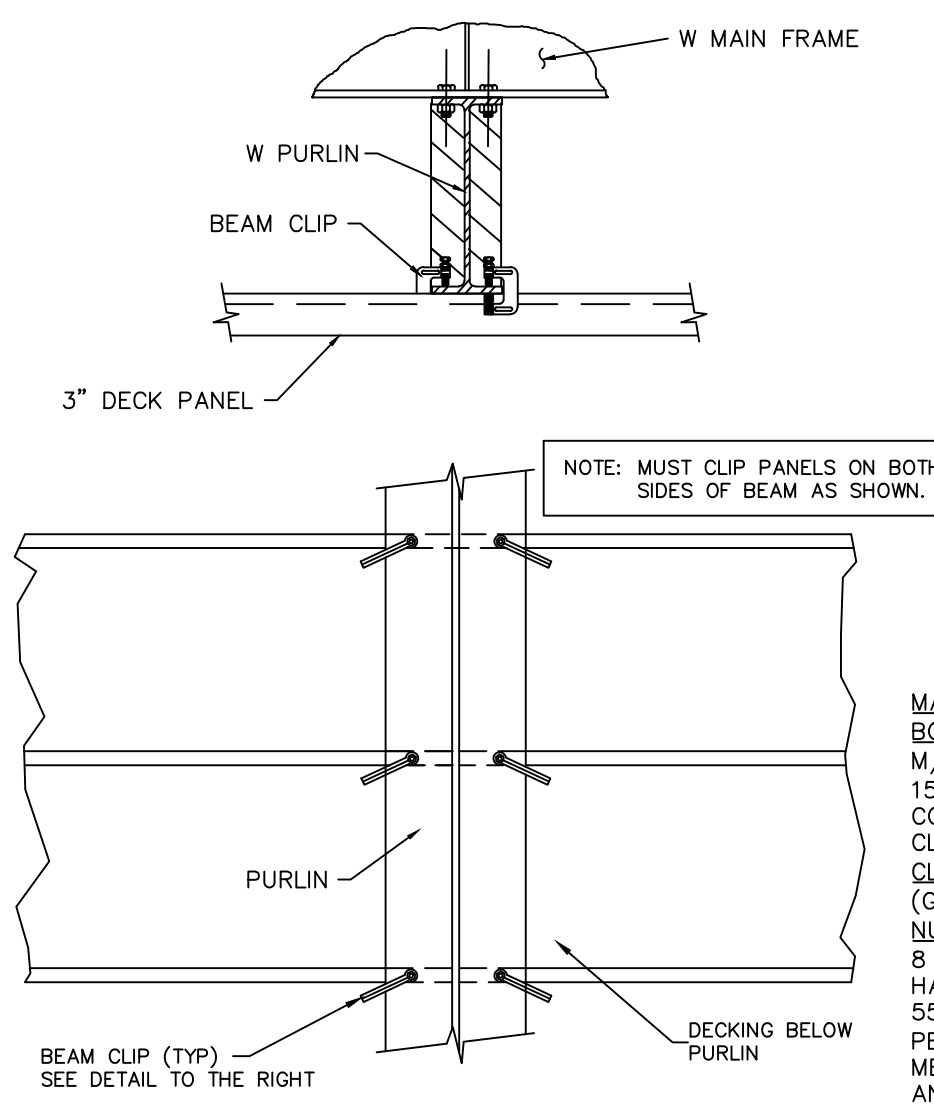
**DETAIL FD2S**  
END



**DETAIL SC2**  
05-01-98



**DETAIL DC9**  
REV. 1 03-26-02



**McGEE BEAM CLIP DETAIL**

**MATERIAL:**  
BOLT: 3/8" - 16 CLASS 3A X 2.25" STEEL FULLY TREATED HX HD W/ S WITH CUP POINT, SAE J429, GR 8 W/ MIN TENSILE STRENGTH OF 150 KSI, CASE HARDENED & HEAT TREATED TO MIN/MAX MID-RADIUS CORE HARDNESS OF HRC 33-39. ZINC PLATED PER ASTM B695 WITH CLASS 55 COATING.

**CLIP BODY MATERIAL:** 11ga (0.115") ASTM A653 FS TYPE B (A526 CO) (GALVANIZED G90) (MIN YIELD STRENGTH = 36 ksi)

**NUTS:** 3/8-16 3B HEX HEAD NUT AND SQUARE NUT PER SAE J995 OR 8 W/ MIN TENSILE STRENGTH OF 150 KSI, HEAT TREATED TO MIN/MAX HARDNESS OF HRC 33-39. ZINC PLATED PER ASTM B695 WITH CLASS 55 COATING.

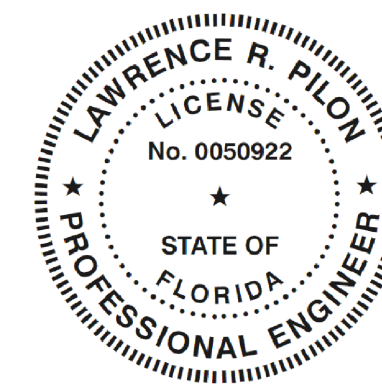
**PERFORMANCE TESTING PER ASTM F606/F606M -16 - "STANDARD TEST METHODS FOR DETERMINING MECHANICAL PROPERTIES OF EXTERNALLY AND INTERNALLY THREADED FASTENERS, WASHERS, DIRECT TENSION INDICATORS AND RIVETS"**

**McGEE BEAM CLIP INSTALLATION PROCEDURE:** SET BEAM CLIP WITH BOLT ON TOP OF BEAM FLANGE AND CLAMPING SURFACE UNDER DECK RIB. PUSH CLIP AGAINST DECK AND BEAM FLANGE WITH BOLT AS FAR ONTO BEAM FLANGE AS POSSIBLE. WHILE KEEPING BEAM CLIP VERTICAL, TURN BOLT TO SNUG TIGHT WITHOUT BURROWING INTO STEEL BEAM FLANGE. THEN PROCEED TO TURN BOLT 3/4 TURN (270'). TIGHTEN LOCK NUT MAKING SURE THAT BEAM CLIP REMAINS IN POSITION.

**DETAIL CP4**  
REV 02-21-19

LIGHT GAUGE MANSARD TRUSSES SHALL BE DESIGNED AND DETAILED BY CF STEEL, LLC. LIGHT GAUGE TRUSS DESIGN DRAWINGS SHALL BE SEALED BY AN ACTIVE PROFESSIONAL ENGINEER IN TENNESSEE EMPLOYED BY CF STEEL, LLC. CF STEEL SHALL COORDINATE LIGHT GAUGE TRUSS DESIGN & DETAILING WITH THESE DRAWINGS.

CF STEEL, LLC.  
152 AMERICAN DRIVE  
OAKBORO, NC 28129  
(704) 516-1750



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**LAWRENCE R. PILON/ PROFESSIONAL ENGINEER**  
51 MAPLEVIEW DRIVE/PENNELVILLE, NY 13132  
(315) 668-0039  
FLORIDA LICENSE # 50922

<b>McGEE CORPORATION</b> 12701 East Independence Blvd., P.O. Box 1375 Matthews, NC 28106-1375 Phone: (704) 882-1500 Watts: (800) 526-5589	PR. JOB NO. 60134-B	FINAL JOB NO. 60134-B	DRAWING NO. P060134-B
	RACETRAC PETROLEUM INC #1422 8990 20TH STREET VERO BEACH, FL 32966 (INDIAN RIVER)		
SCALE: 1/8"=1'-0"	IN ACCORDANCE WITH REV. LETTER:	DRAWN BY: JWG	
DATE: 10/19/21	CHECKED BY:		
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<b>METAL CANOPY 29'-0" x 130'-4"</b>			SHEET NO. 3 OF 3
<b>MISC. DETAILS</b>			