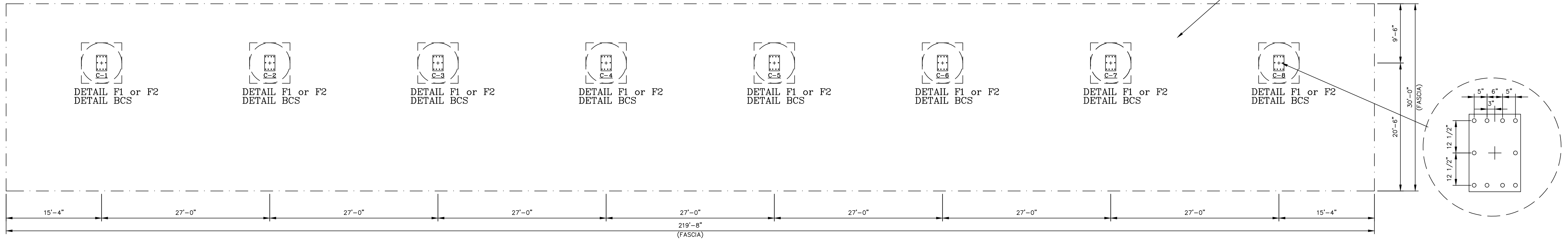


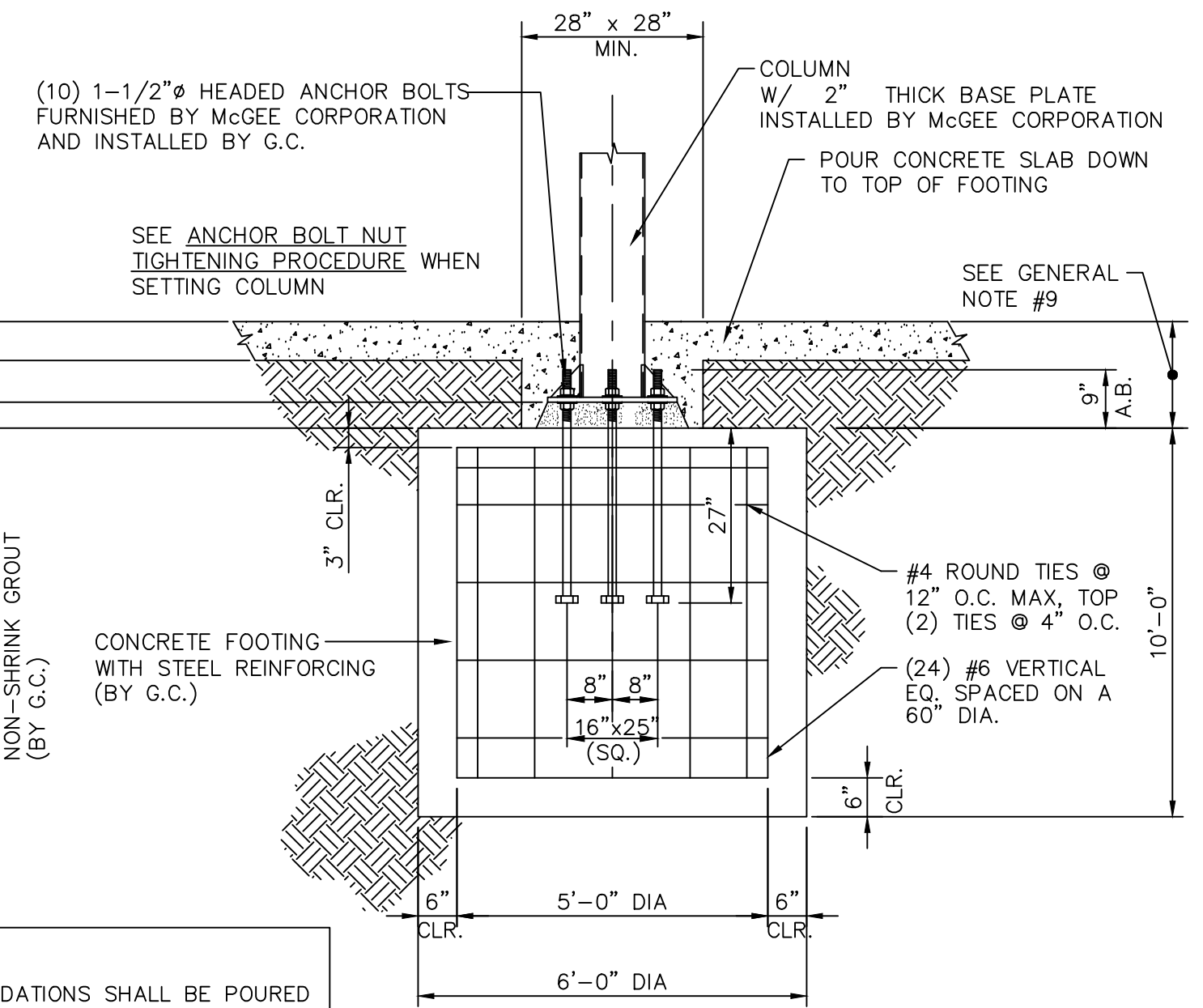
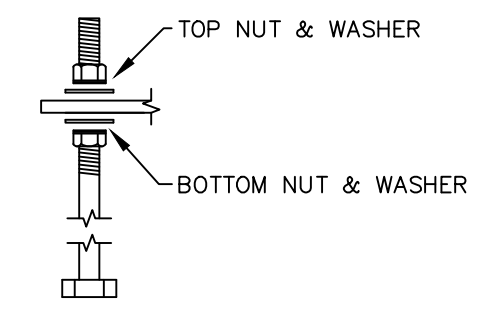
BLDG

FINAL SLAB DESIGN BY OTHERS



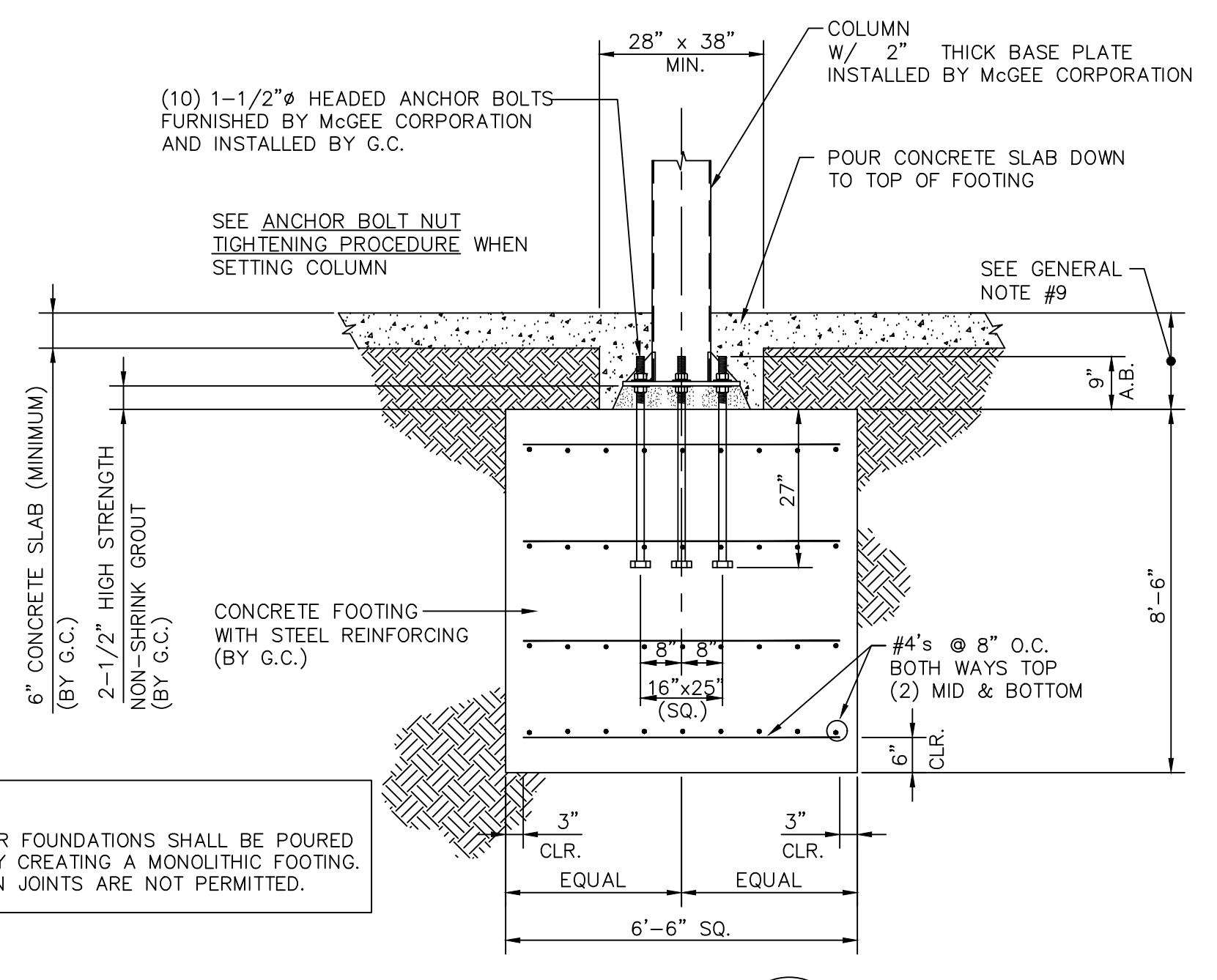
FOUNDATION PLAN

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 F2
 REV. 01/22/03



DETAIL F1
 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 9/19/19
- 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 (MWFPS) (USING 0.6W FOR ASD)
 - Uplift = 30 PSF (MWFPS) / 4G 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 MCEer Response Accelerations At Short Periods - S_s = N/A g - Fa = N/A
 - Mapped MCEer Response Accelerations At 1-Sec. Period - S₁ = N/A g - Fv = N/A
 - Site Class - N/A
 - Design Spectral Response Acceleration At Short Periods - S_{ps} = N/A g
 - Design Spectral Response Acceleration At 1-Sec. Period - S_{p1} = N/A g
 - SEISMIC DESIGN CATEGORY - N/A
- 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

BASIC SEISMIC - FORCE - RESISTING SYSTEM - NON-BLDG - INVERTED PENDULUM SYSTEM
 CANTILEVERED COLUMN SYSTEM
 Response Modification Coefficient - R = 2
 System Overstrength Factor - Ω_o = 2
 Deflection Amplification Factor - Cd = 2

SEISMIC RESPONSE COEFFICIENT - Cs = N/A
 SEISMIC BASE SHEAR - V = N/A

ANALYSIS - EQUIVALENT LATERAL FORCE PROCEDURE

ASTM F 1554 GR. 55 (Fy = 55 KSI) HEADED ANCHOR RODS & WOOD TEMPLATES SHALL BE FURNISHED BY MCGEE CORP.

CANOPY FOUNDATION INSTALLATION:
 CONTRACTOR SHALL DETERMINE WHICH FINISHED GRADE ELEVATION AT EACH CANOPY COLUMN IS THE LOWEST AND ESTABLISH ALL FOUNDATION LOCATIONS IN RELATION TO THAT ELEVATION. CONTRACTOR MUST VERIFY FUEL CONTAINMENT BOX SIZE AND LOCATION TO ENSURE FOUNDATION DOES NOT INTERFERE WITH BOX INSTALLATION. TOP OF FOUNDATION DEPTH MAY BE GREATER THAN BUT NOT LESS THAN 12" BELOW THE PREVIOUSLY DETERMINED LOWEST FINISHED GRADE ELEVATION.

STRUCTURAL AND MISCELLANEOUS STEEL SUBJECTED TO EXTERIOR EXPOSURE HAS BEEN PRIMED 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.

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

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

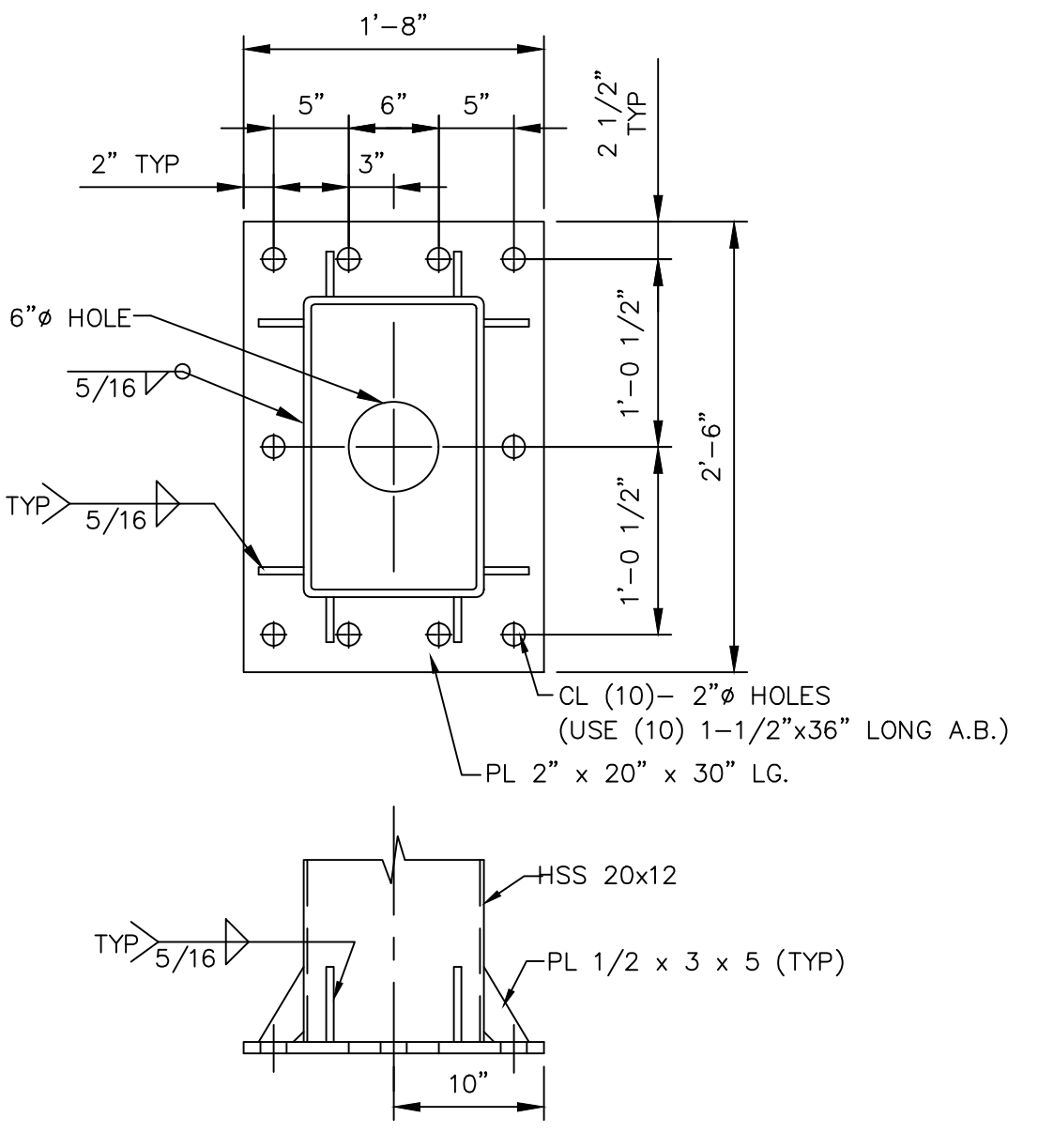
ELEVATION FORMS FORWARDED TO GENERAL CONTRACTOR

APPROVED BY: _____

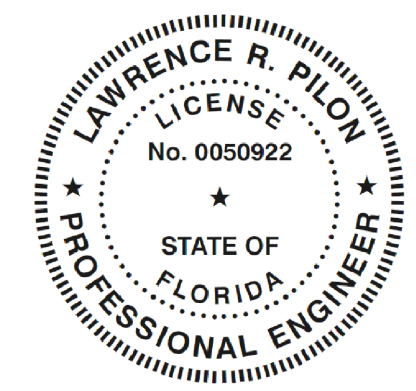
DATE: _____

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: _____



DETAIL BCS



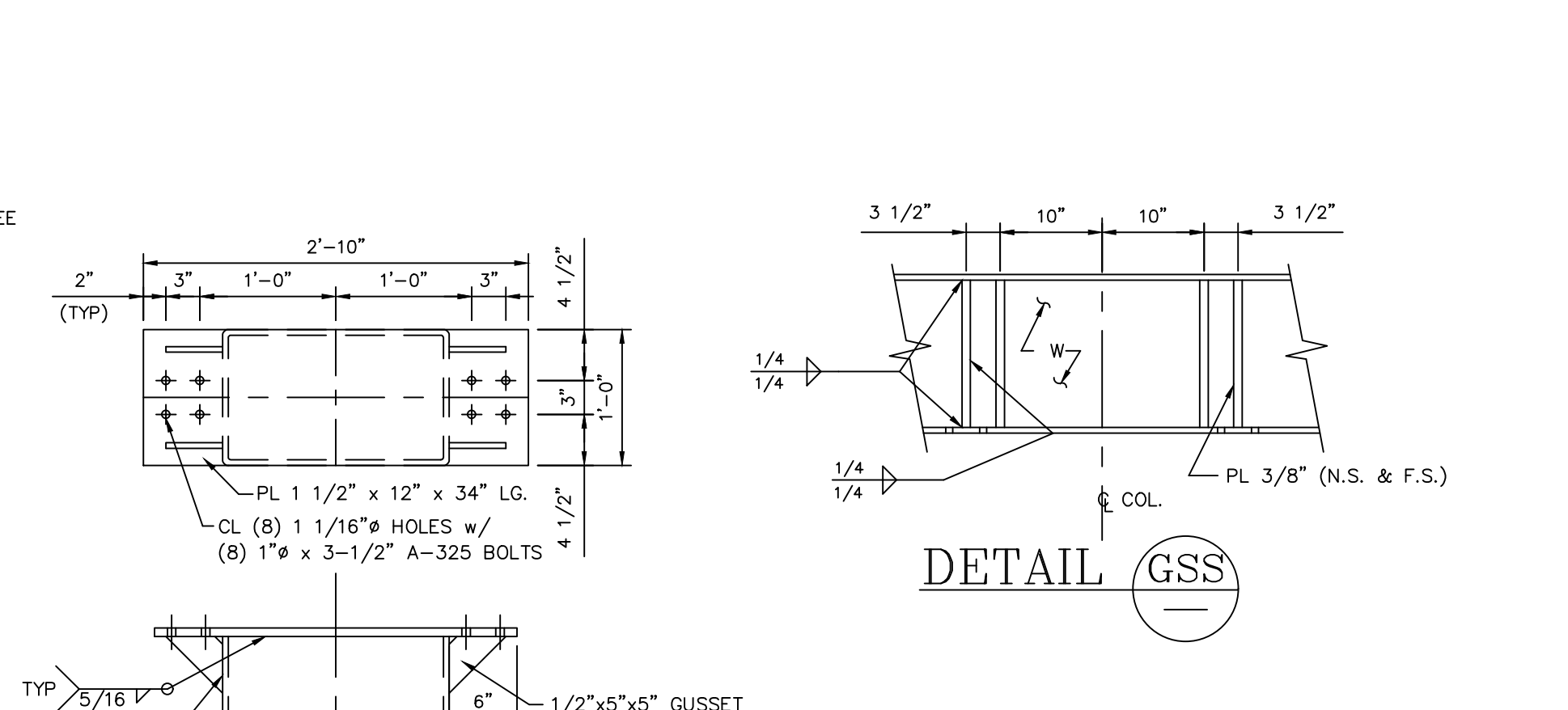
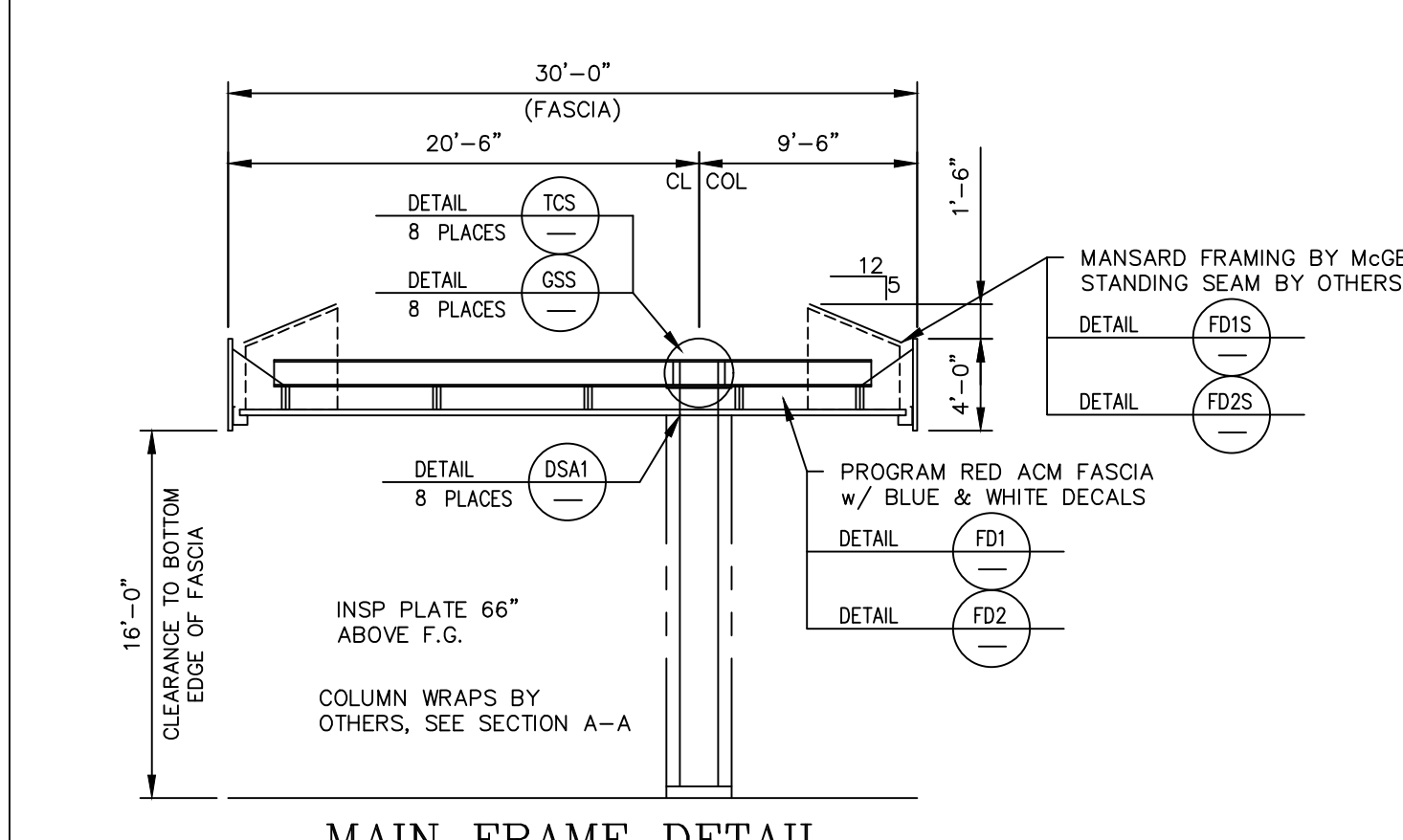
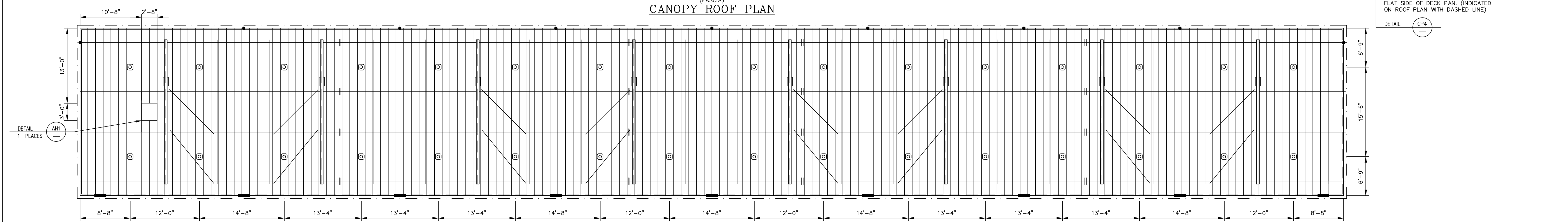
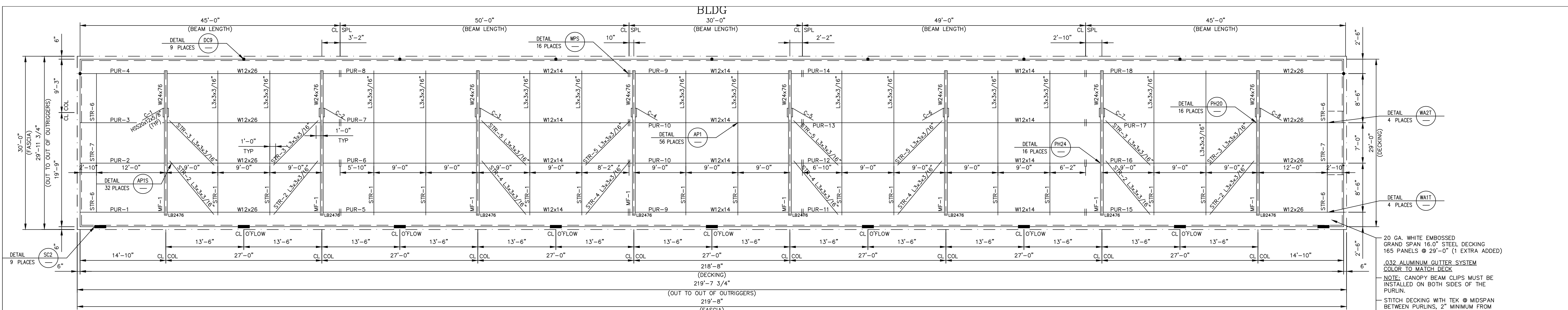
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LAWRENCE R. PILON / PROFESSIONAL ENGINEER
 51 MAPLEVIEW DRIVE/PENNELVILLE, NY 13132
 (315) 668-0039
 FLORIDA LICENSE # 50922

MCGEE CORPORATION 12701 East Independence Blvd. P.O. Box 1375 Matthews, NC 28106-1375 Phone: (704) 882-1500 Wtts: (800) 526-5599	DR. JOB NO. 60134-A	FINAL JOB NO. 60134-A	DRAWING NO. P060134-A
	RACETRAC #1422 8990 20TH STREET VERO BEACH, FL 32966 (INDIAN RIVER)		
	SCALE: 1/8"=1'-0" DATE: 10/25/21	IN ACCORDANCE WITH REV. LETTER:	DRAWN BY: JWG CHD BY:
	METAL CANOPY 30'-0" x 219'-8" FOUNDATION PLAN		

SHEET NO. 1 of 3



ANCHOR BOLT SHIPPING REQUIREMENTS

ANCHOR BOLT USE	BOLT DESCRIPTION	QUANTITY
BCS-BASE PLATE (8 PLACES)	2" x 36" LONG HEX HEAD ANCHOR BOLT	48

HARDWARE LIST BREAK-DOWN (REFERENCE ONLY)

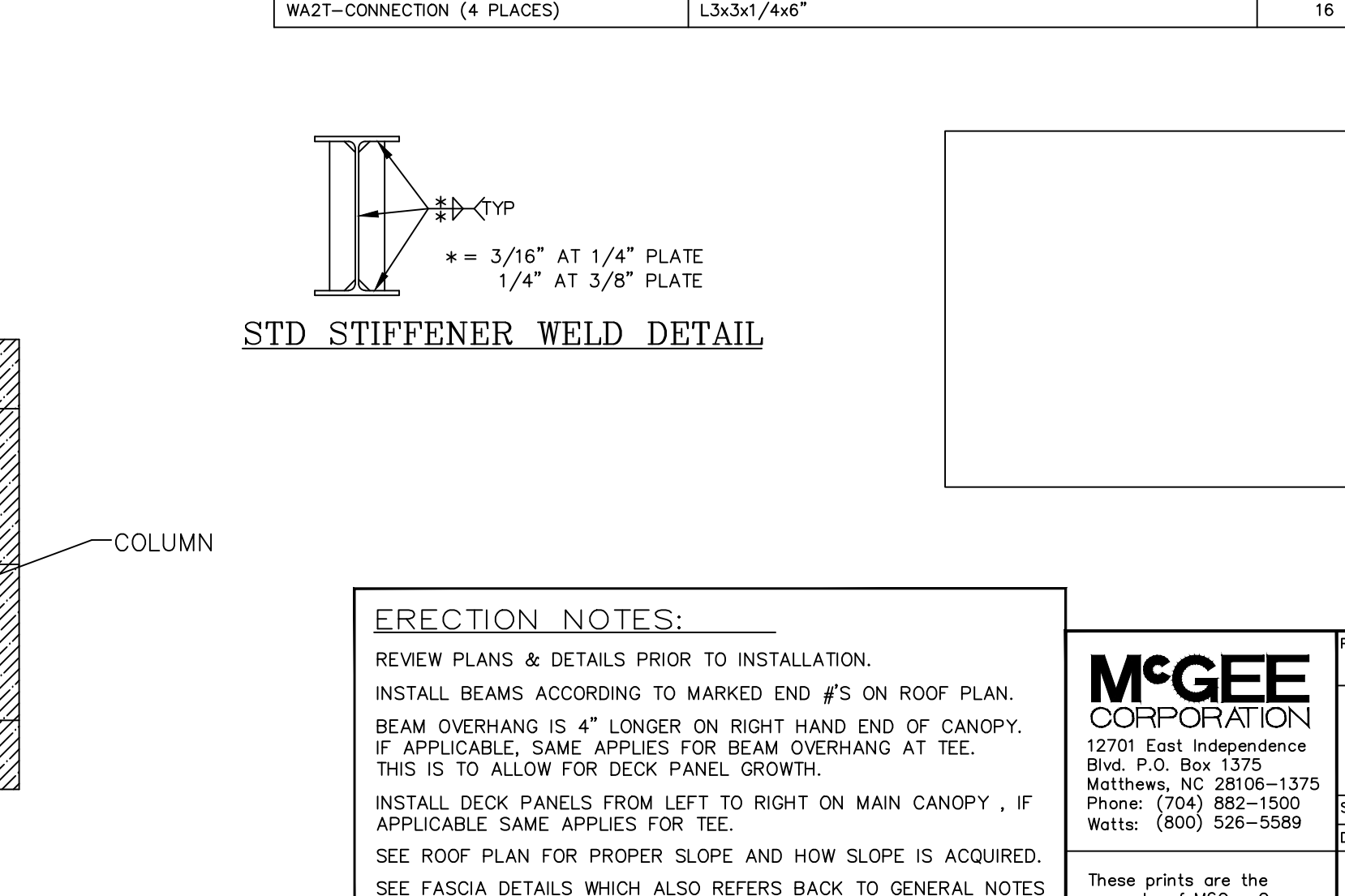
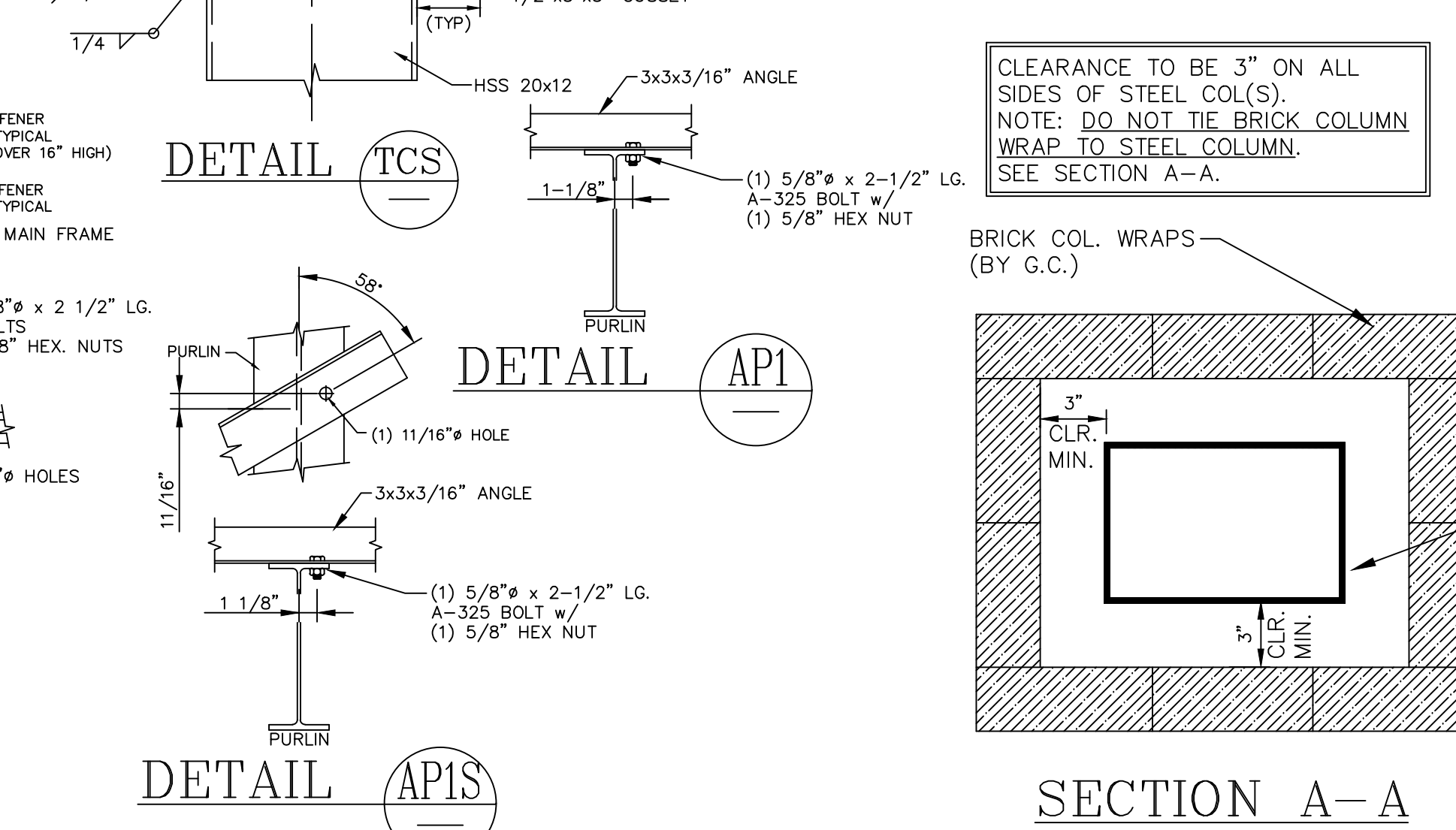
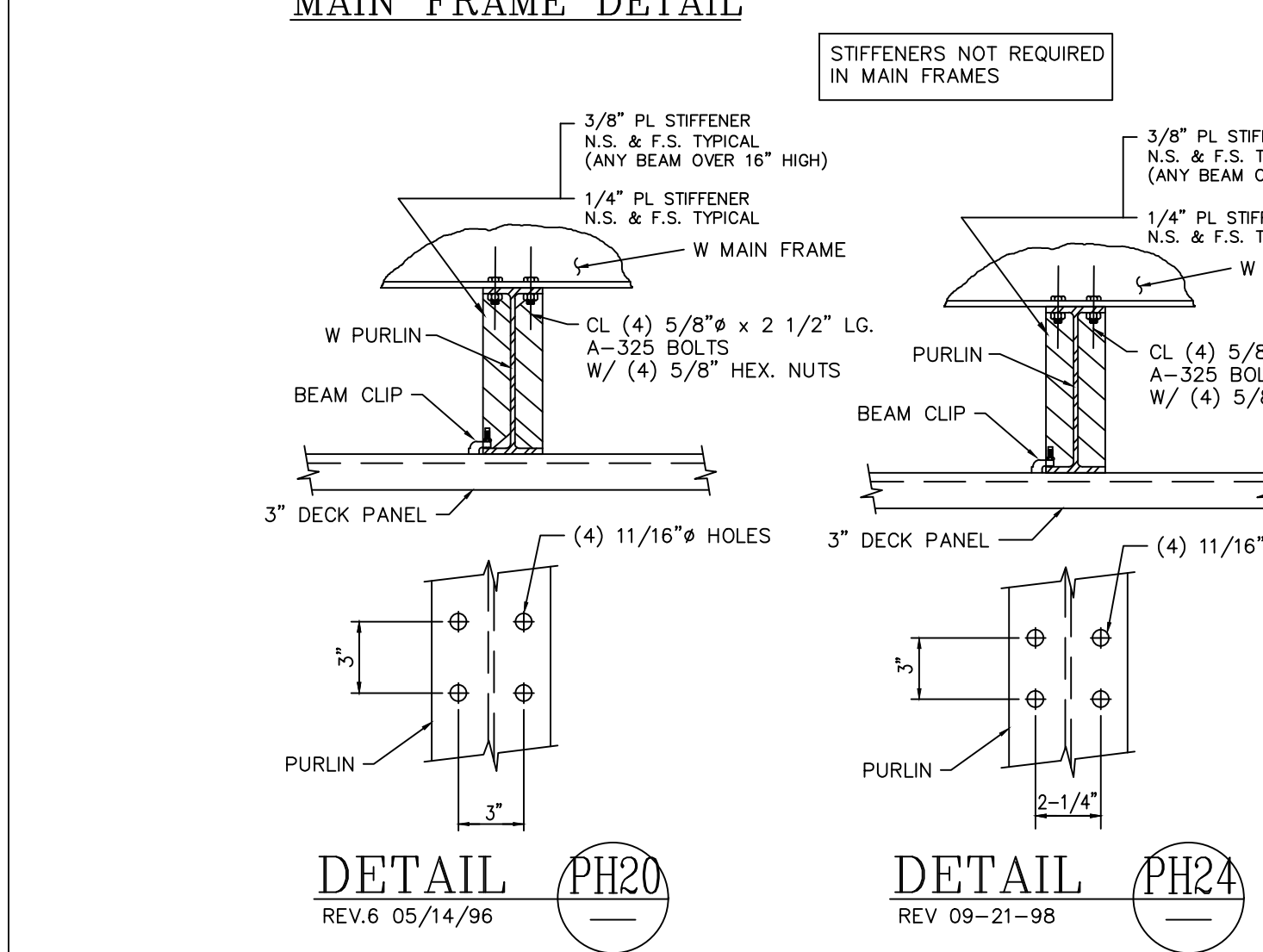
ITEM USE (# OF PLACES FOR CHECKING ONLY)	DESCRIPTION	QUANTITY
TCS-TOP PLATE (8 PLACES)	1" x 3-1/2" BOLTS w/ NUTS	64
WPS-BEAM SPICE (16 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	96
WPS-BEAM SPICE (16 PLACES)	6x10x1/2" PLATE	16
PH20-CONNECTION (16 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	64
PH24-CONNECTION (16 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	64
API-CONNECTION (56 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	56
APIS-CONNECTION (32 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	32
LB2476-CONNECTION (8 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	32
LB2476-CONNECTION (8 PLACES)	PREFAB 1/4" x 2" x 36 1/8" BRACE STRAP	16
W21-CONNECTION (4 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	6
W21-CONNECTION (4 PLACES)	L3x3x1/4x6"	8
W21-CONNECTION (4 PLACES)	5/8" x 2-1/2" BOLTS w/ NUTS	32
W21-CONNECTION (4 PLACES)	L3x3x1/4x6"	16

CANOPY SHIPPING STEEL HARDWARE MANIFEST

QUANTITY	DESCRIPTION	QUANTITY SHIPPED	PULLED BY	CHECKED BY	TRAILER #	LOADED BY
382	5/8" x 2-1/2" BOLTS w/ NUTS					
64	1" x 3-1/2" BOLTS w/ NUTS					
20	(WPS) 6x10x1/2" PLATE					
16	PREFAB 1/4" x 2" x 36 1/8" BRACE STRAP					
24	L3x3x1/4x6"					

CANOPY SHIPPING MANIFEST

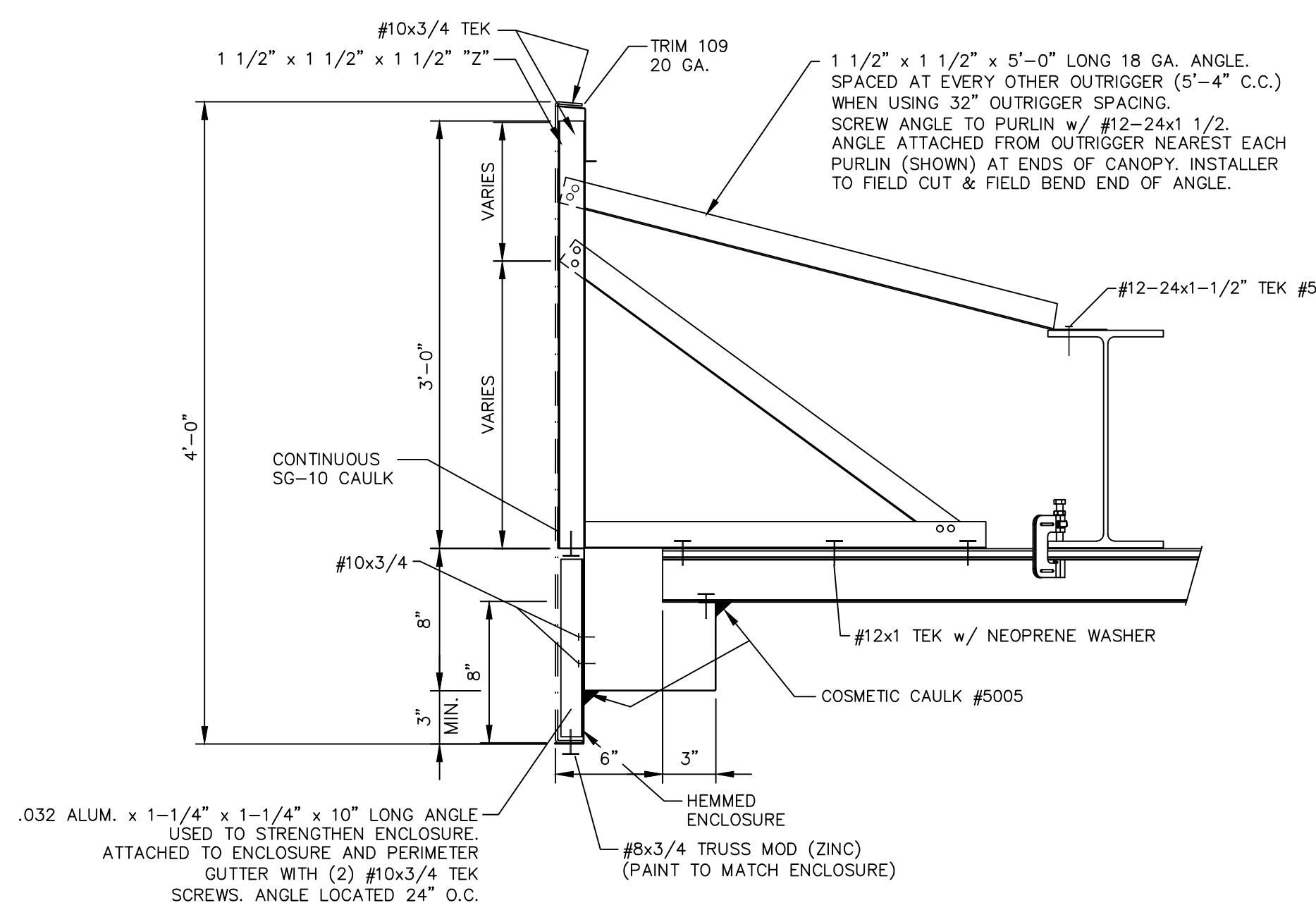
	TOP PLATE	BASE PLATE	PLATE DRAINS	W/S & CONDUIT	VENT
8	MF-1 W24x76 (26'-0")				
4	PUR-1,2,3,4 W12x26 (44'-11 7/8")				
4	PUR-5,6,7,8 W12x14 (49'-11 3/4")				
4	PUR-9,10 W12x14 (29'-11 3/4")				
4	PUR-11,12,13,14 W12x14 (48'-11 3/4")				
4	PUR-15,16,17,18 W12x26 (44'-11 7/8")				
14	STR-1 L3x3x3/16" (26'-0")				
8	STR-2,4 L3x3x3/16" (15'-10 15/16")				
8	STR-3,5 L3x3x3/16" (14'-9")				
4	STR-6 W8x18 (8'-5 3/4")				
2	STR-7 W8x18 (6'-11 3/4")				
4	COL 1,2,7,8, HSS20x12x5/8"				
4	COL 3,4,5,6, HSS20x12x5/8"				
166	SIDE OUTRIGGERS SPACED @ 32" O.C.				
24	END OUTRIGGERS SPACED @ 32" O.C.				
1	LOT HARDWARE				



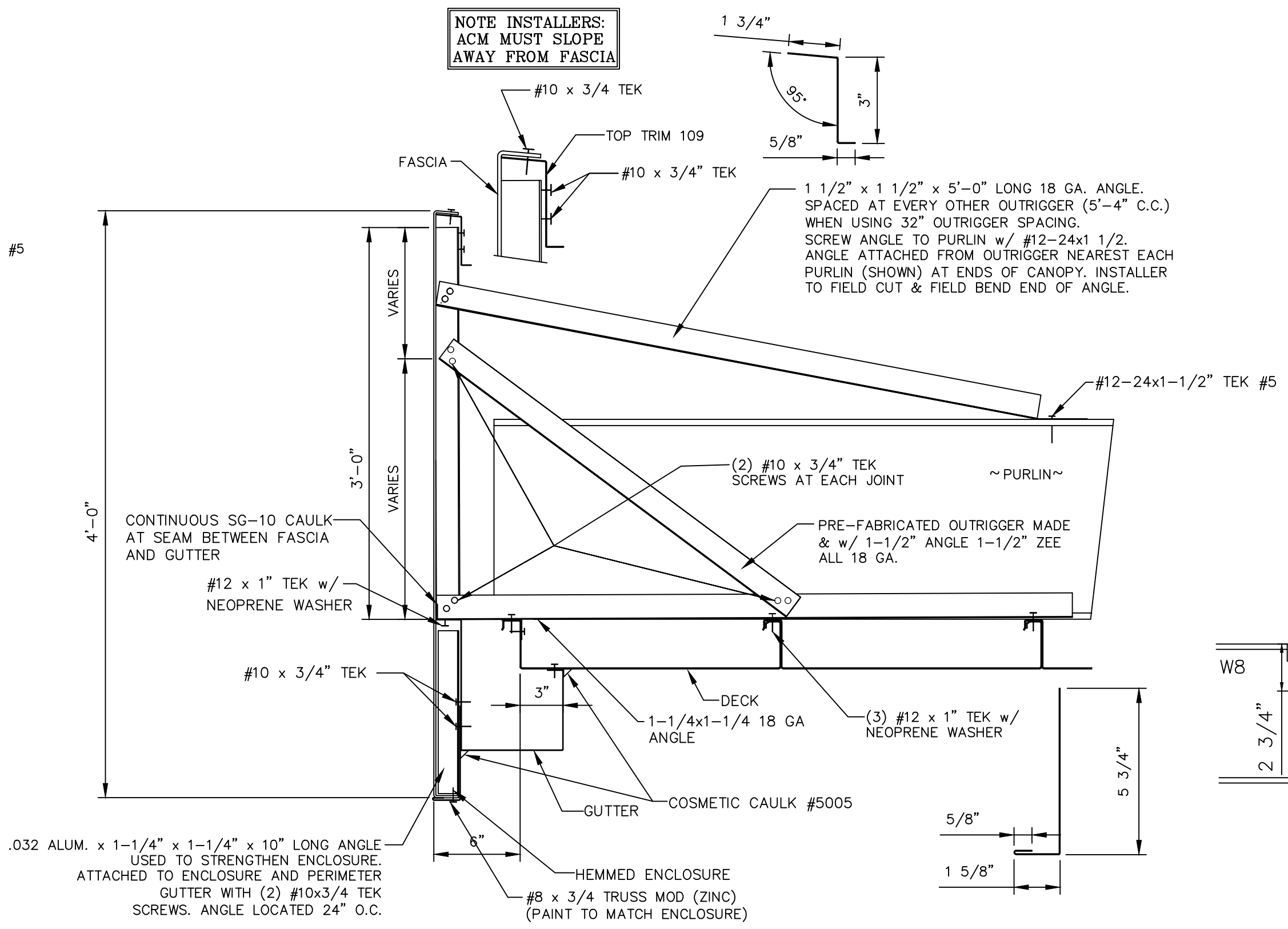
LAWRENCE R. PILON
LICENSE No. 0050922
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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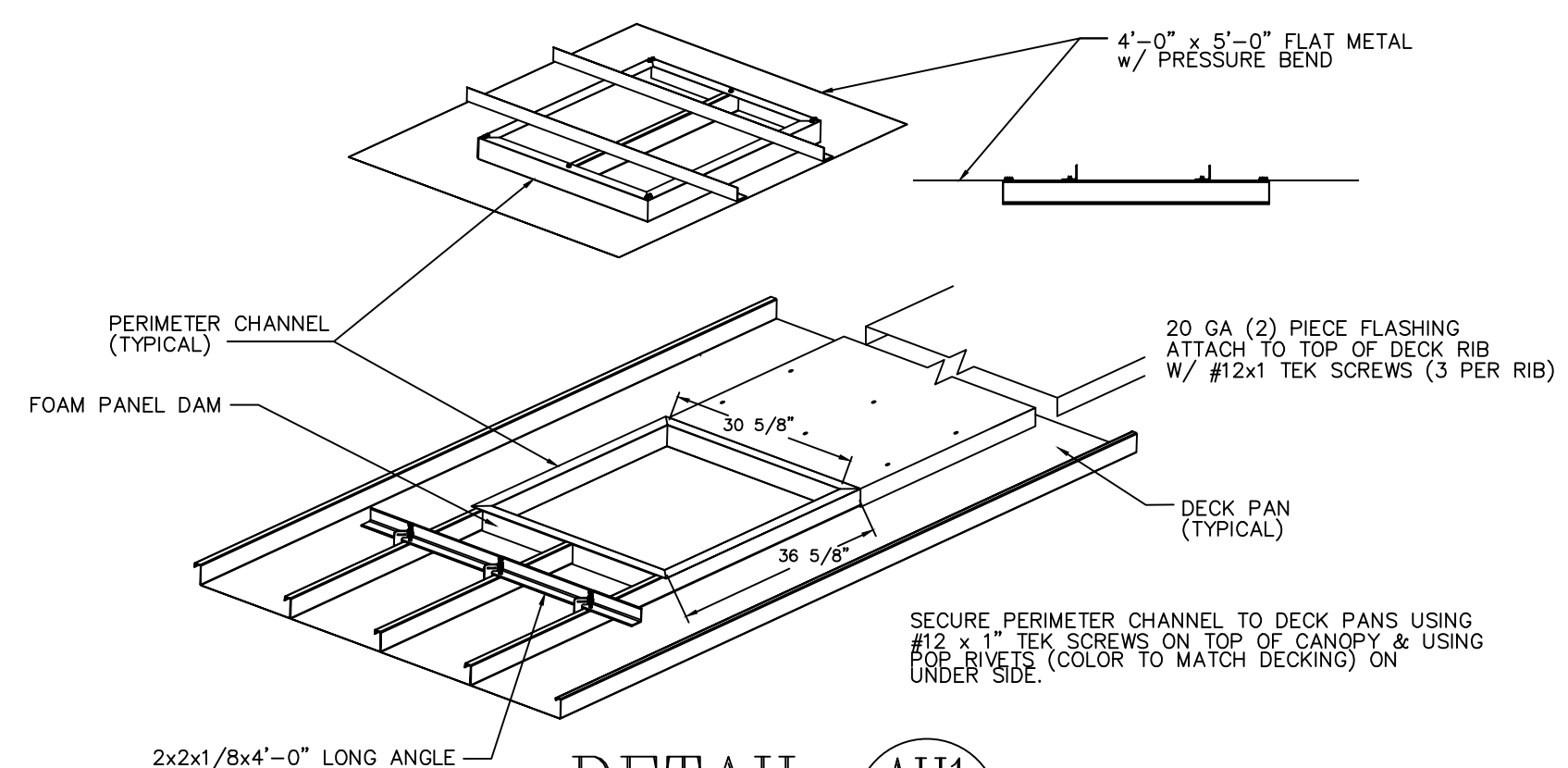
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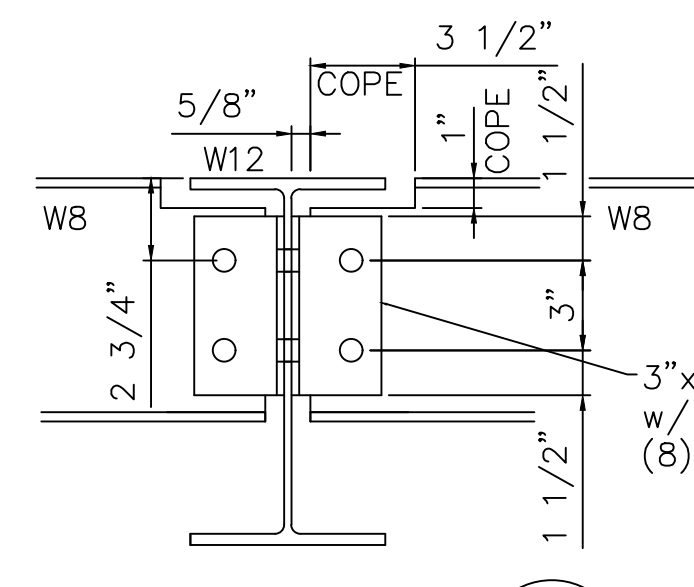
DETAIL FD1
3/5/2019
SIDE



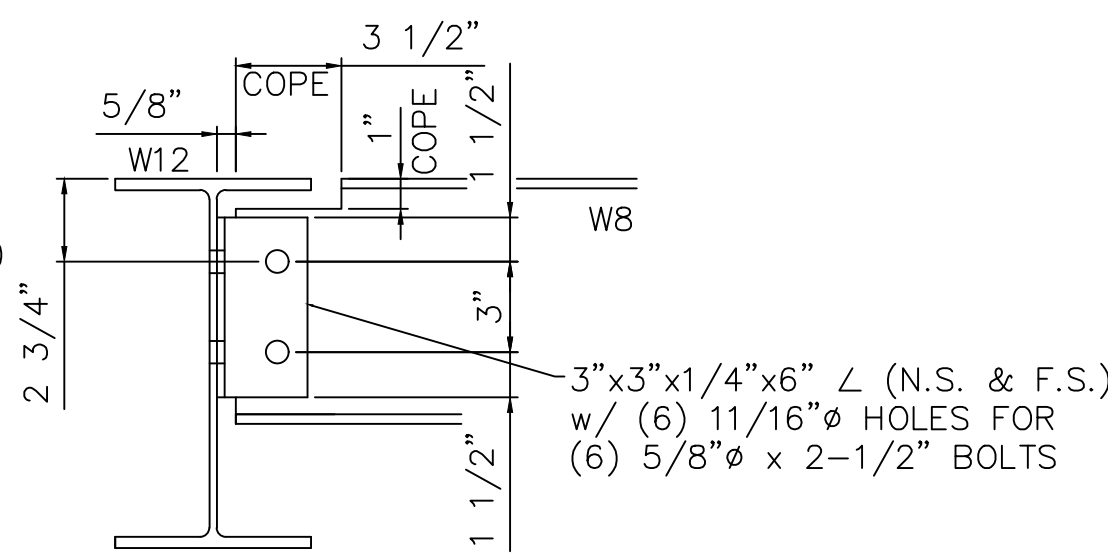
DETAIL FD2
3/12/2019
END



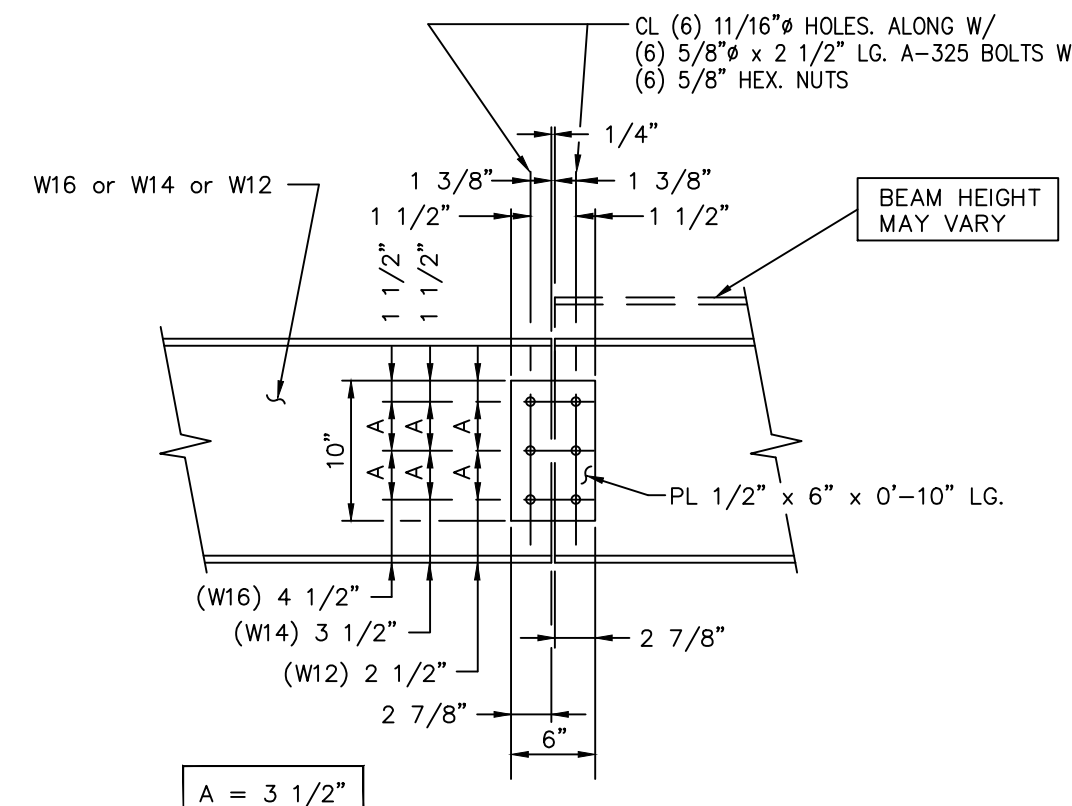
DETAIL AH1



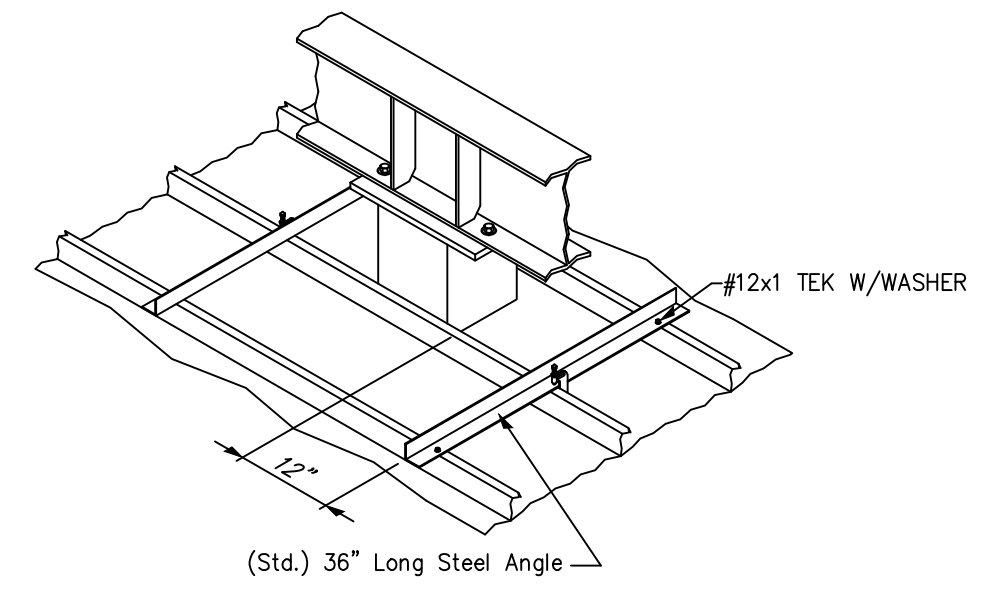
DETAIL WA2T



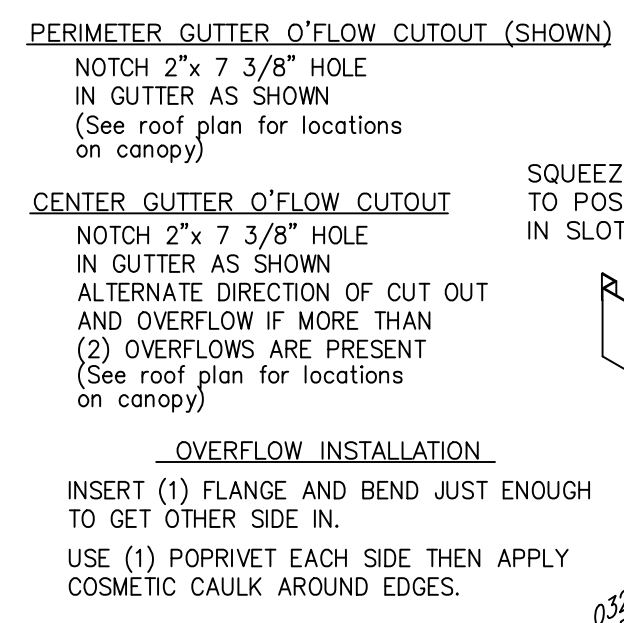
DETAIL WAIT



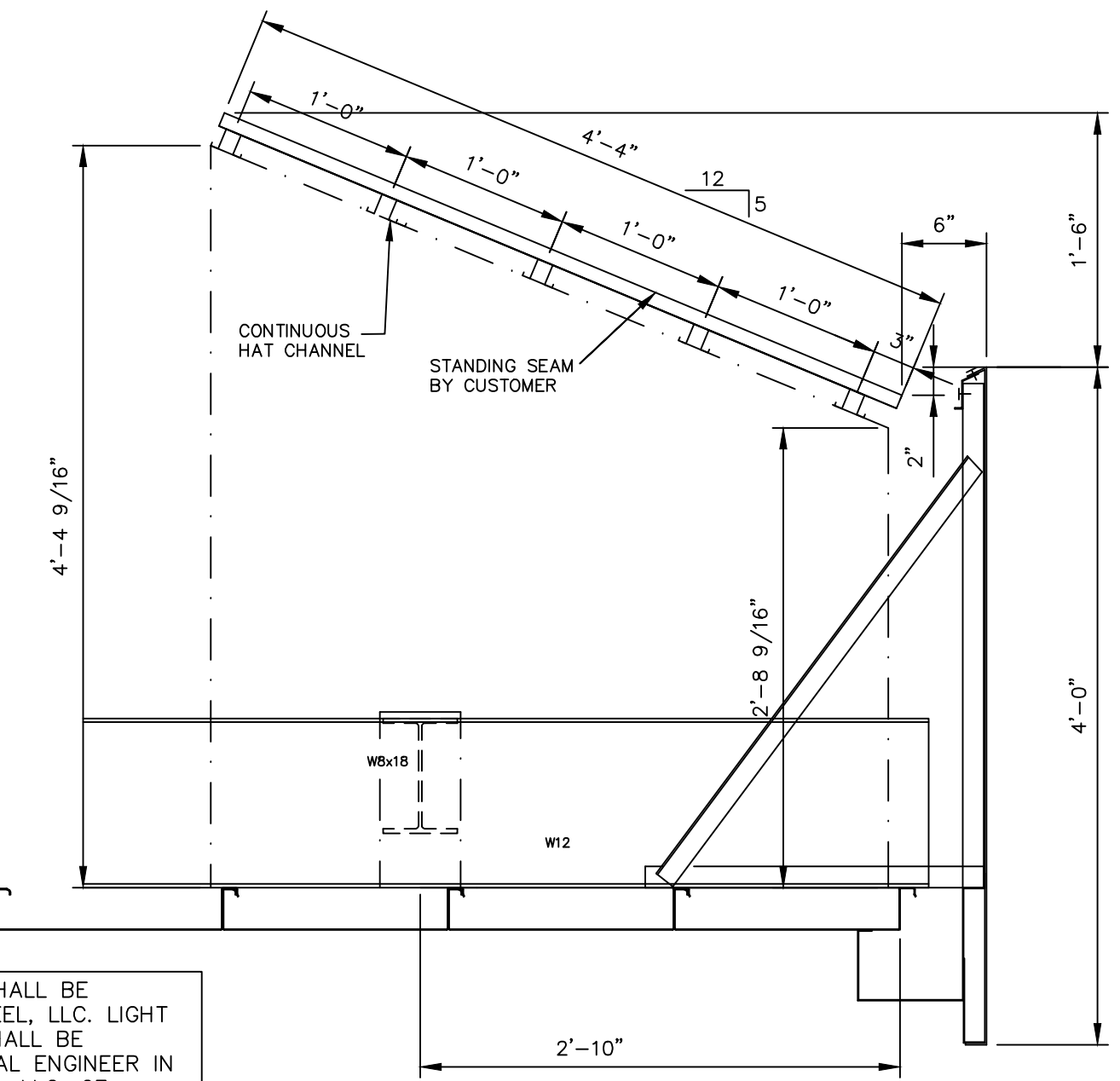
DETAIL WPS
REV. 4 11/09/00
3-BOLTS



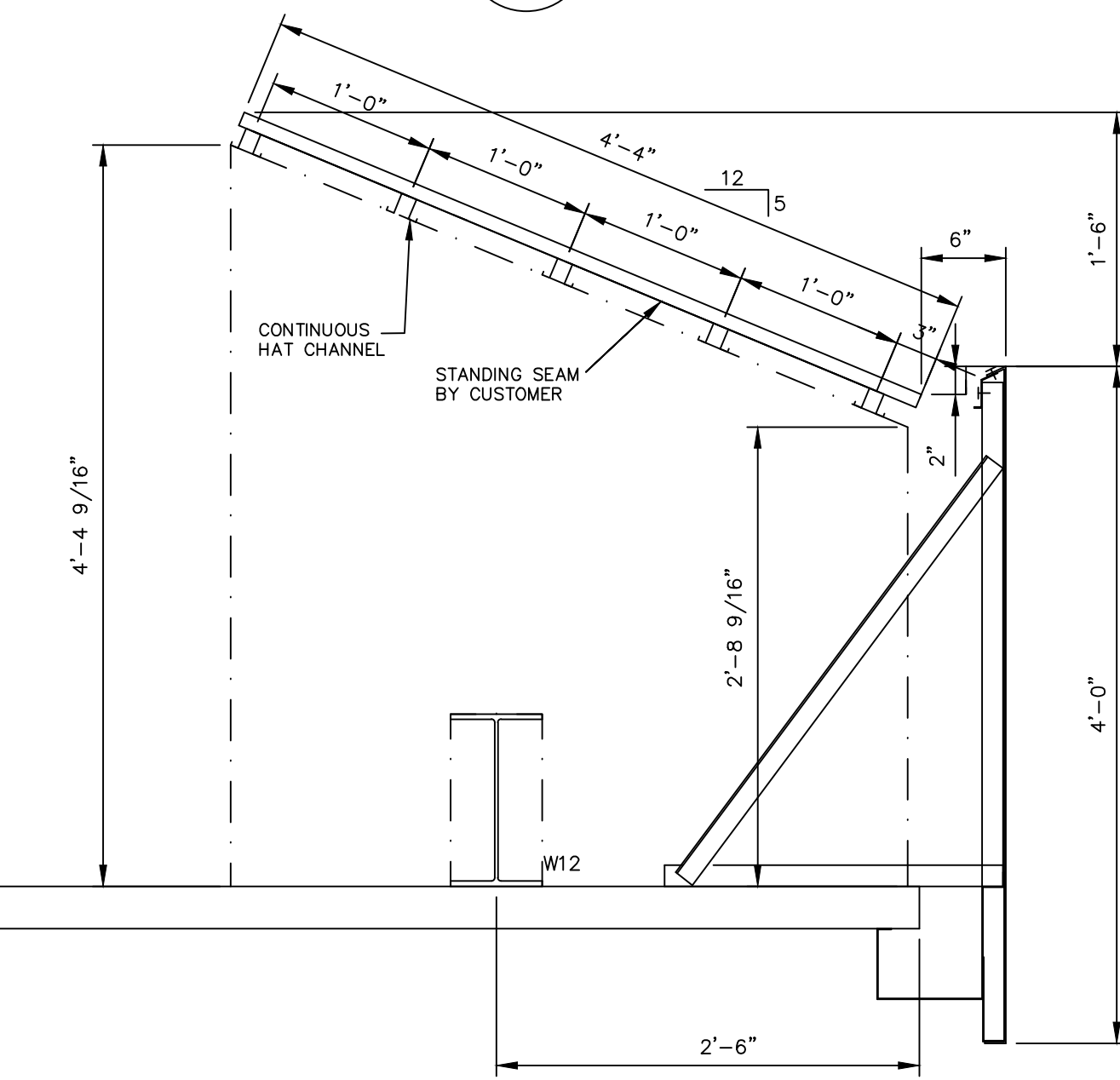
DETAIL DSA1



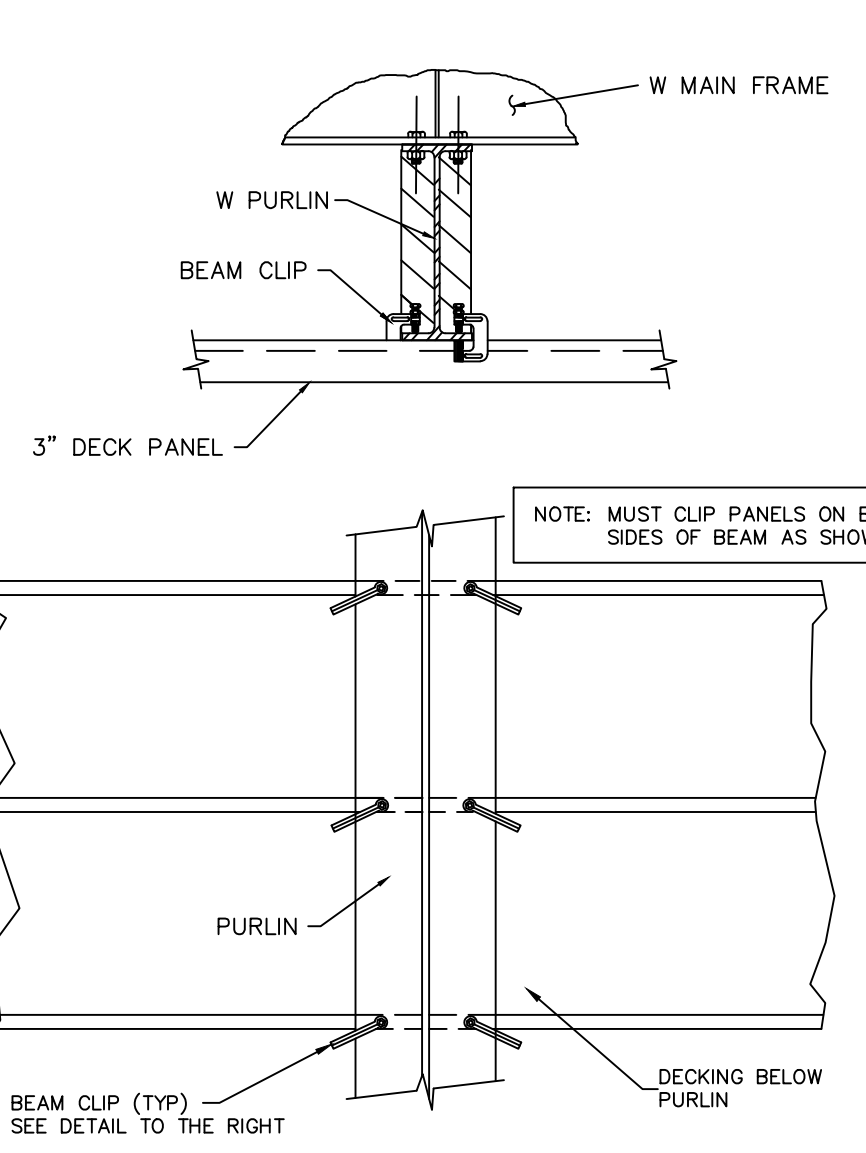
DETAIL DC9
REV. 1 03-26-02



DETAIL FD2S
END



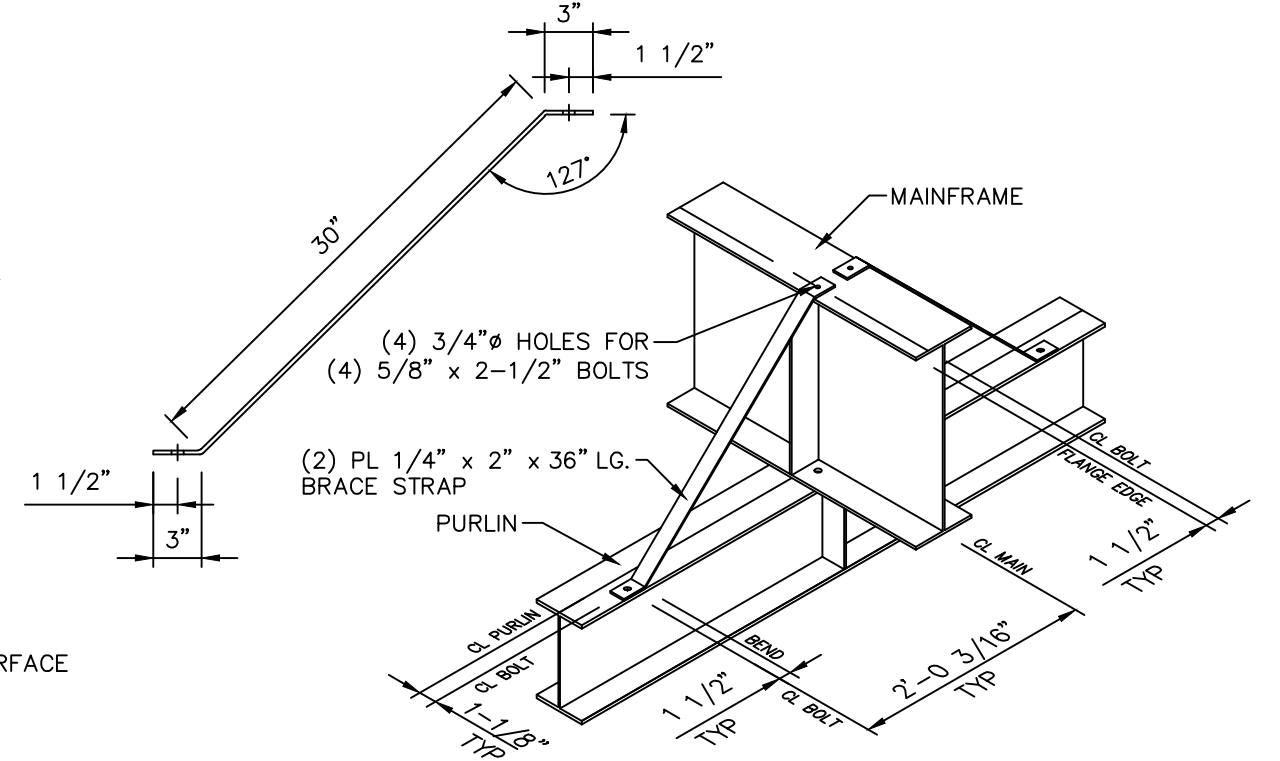
DETAIL FD1S
SIDE



DETAIL CP4
REV 02-21-19

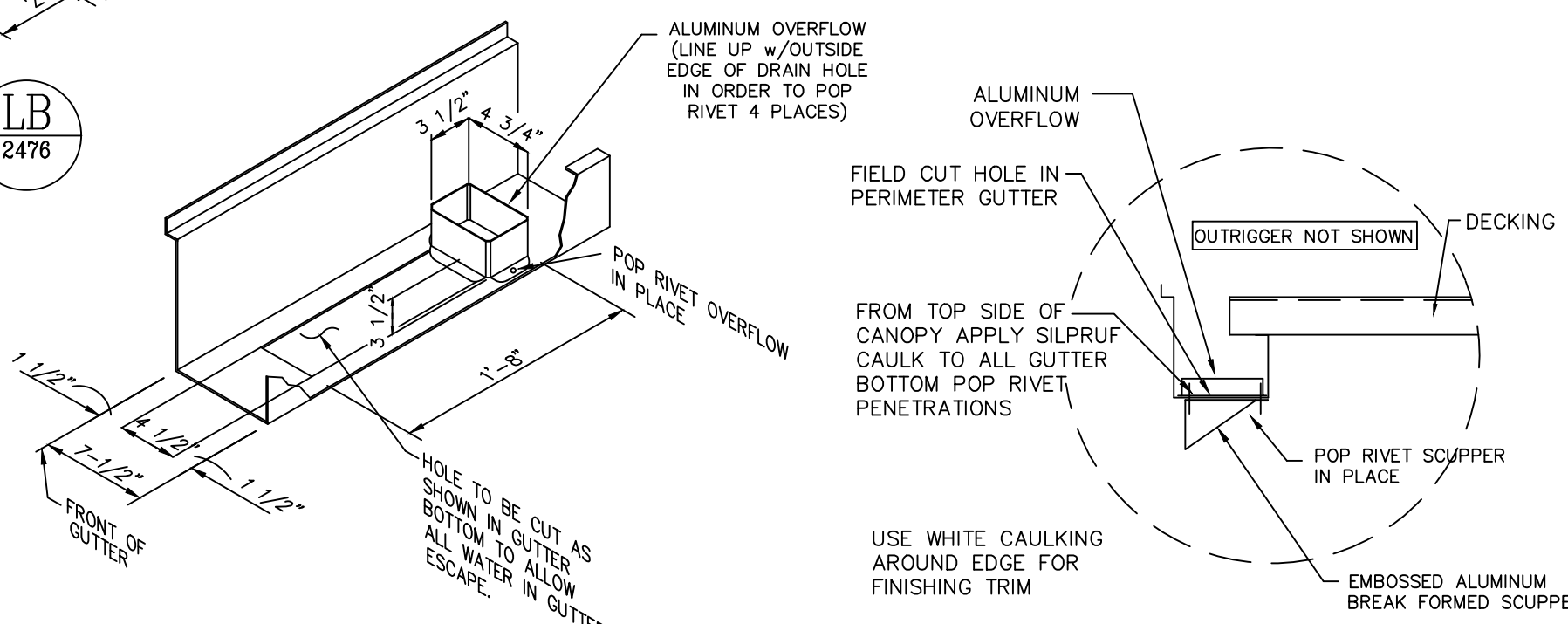
McGEE BEAM CLIP DETAIL
MATERIAL:
BOLTS: 3/8" - 16 CLASS 3A X 2.25" STEEL FULLY THREADED HX HD M/S WITH CUP POINT, SAE J429, GR 8 W/ MIN TENSILE STRENGTH OF 150 KSI, CASE HARDENED & HEAT TREATED TO MIN/MAX MID-RADIUS CORE HARDNESS OF HRC 33-39. ZINC PLATED PER ASTM B695 WITH CLASS 55 COATING.
CLIP BODY MATERIAL: 11ga (0.115") ASTM A653 FS TYPE B (A526 CQ) (GALVANIZED G90) (MIN YIELD STRENGTH = 36 ksi)
NUTS: 3/8-16 3B HEX HEAD NUT AND SQUARE NUT PER SAE J995 GR 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.

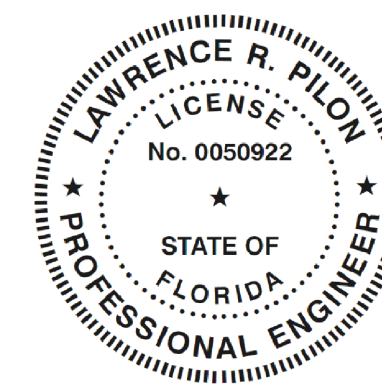


DETAIL LB
2476

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 OF STEEL, LLC. OF STEEL SHALL COORDINATED LIGHT GAUGE TRUSS DESIGN & DETAILING WITH THESE DRAWINGS.
CF STEEL, LLC.
152 AMERICAN DRIVE
OAKBORO, NC 28129
(704) 516-1750



DETAIL SC2
05-01-98



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

McGEE CORPORATION 12701 East Independence Blvd., P.O. Box 1375 Matthews, NC 28106-1375 Phone: (704) 882-1500 Facts: (800) 526-5589	PR. JOB NO.	FINAL JOB NO.	DRAWING NO.
	60134-A	60134-A	P060134-A
RACETRAC #1422 8990 20TH STREET VERO BEACH, FL 32966 (INDIAN RIVER)	SCALE: 1/8"=1'-0"	IN ACCORDANCE WITH REV. LETTER:	DRAWN BY: JWG CHKD BY:
These prints are the property of McGee Corp. Reproduction or reuse is prohibited without written permission.	DATE: 10/25/21		
METAL CANOPY 30'-0" x 219'-8"	MISC. DETAILS		SHEET NO. 3 OF 3