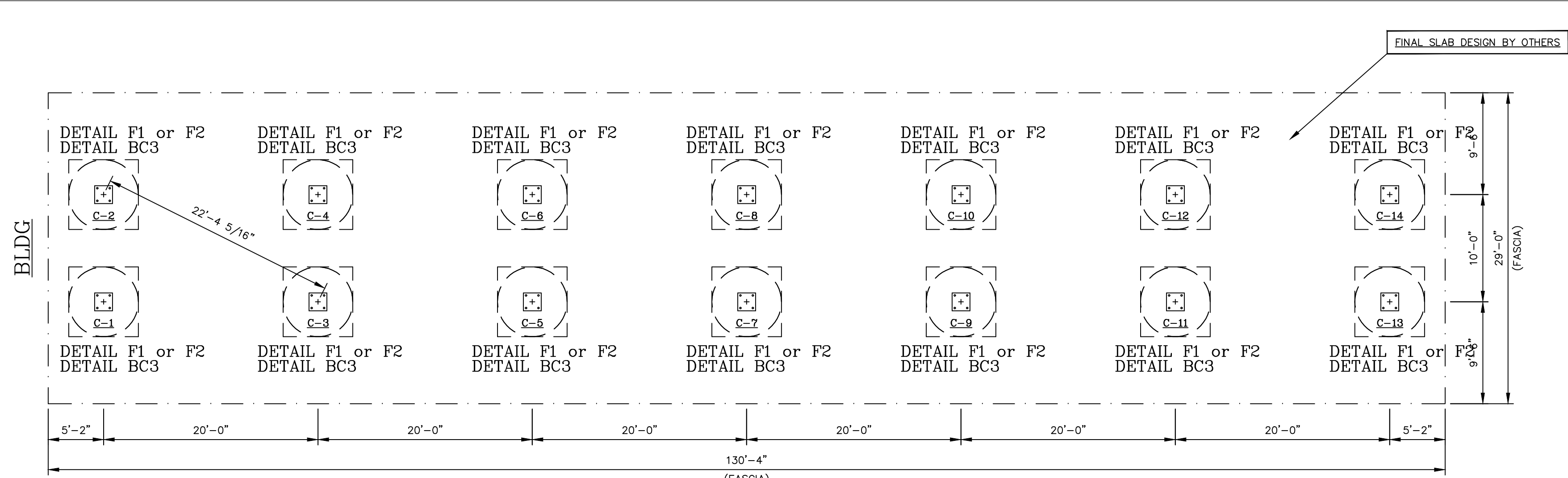
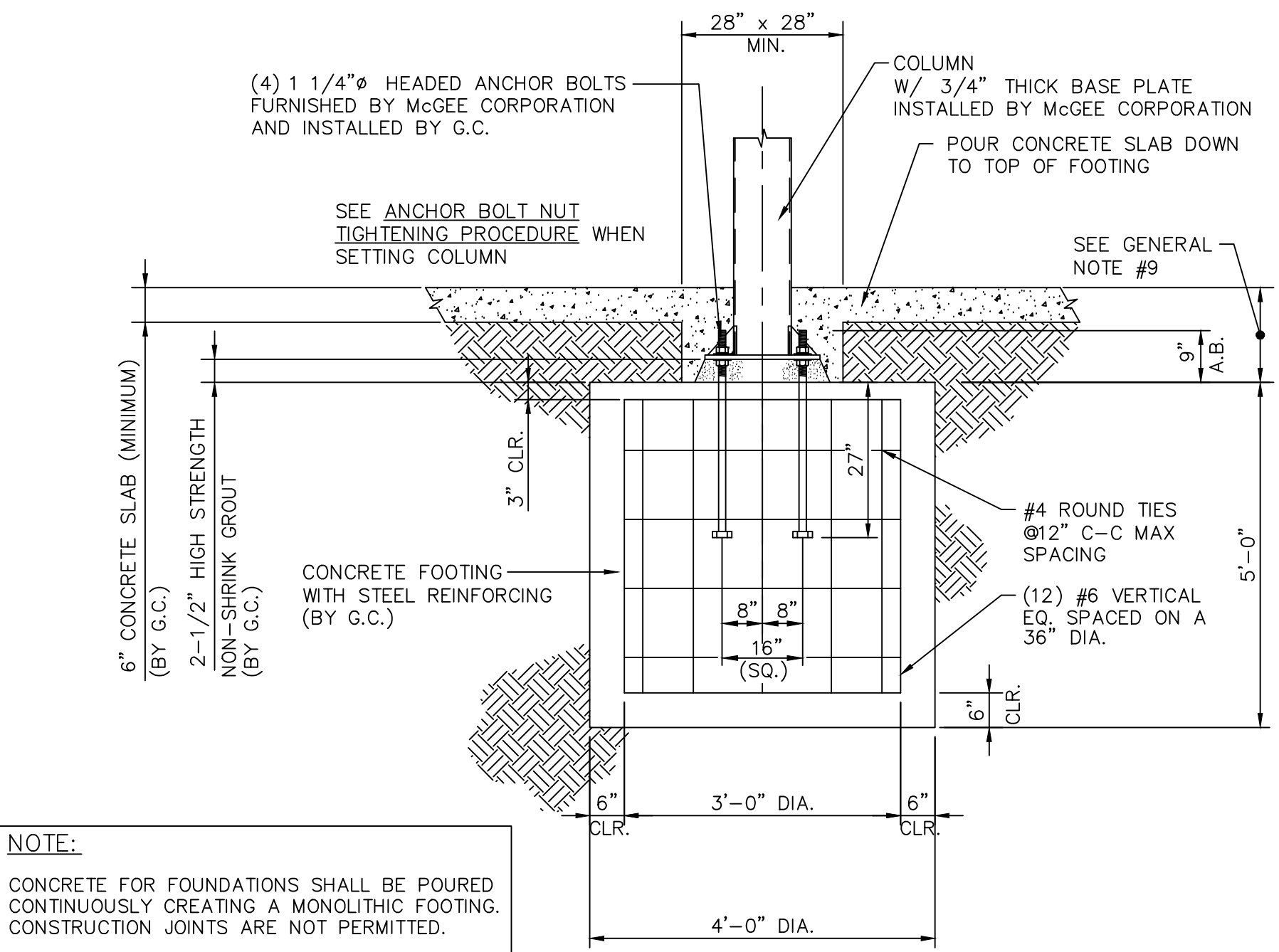


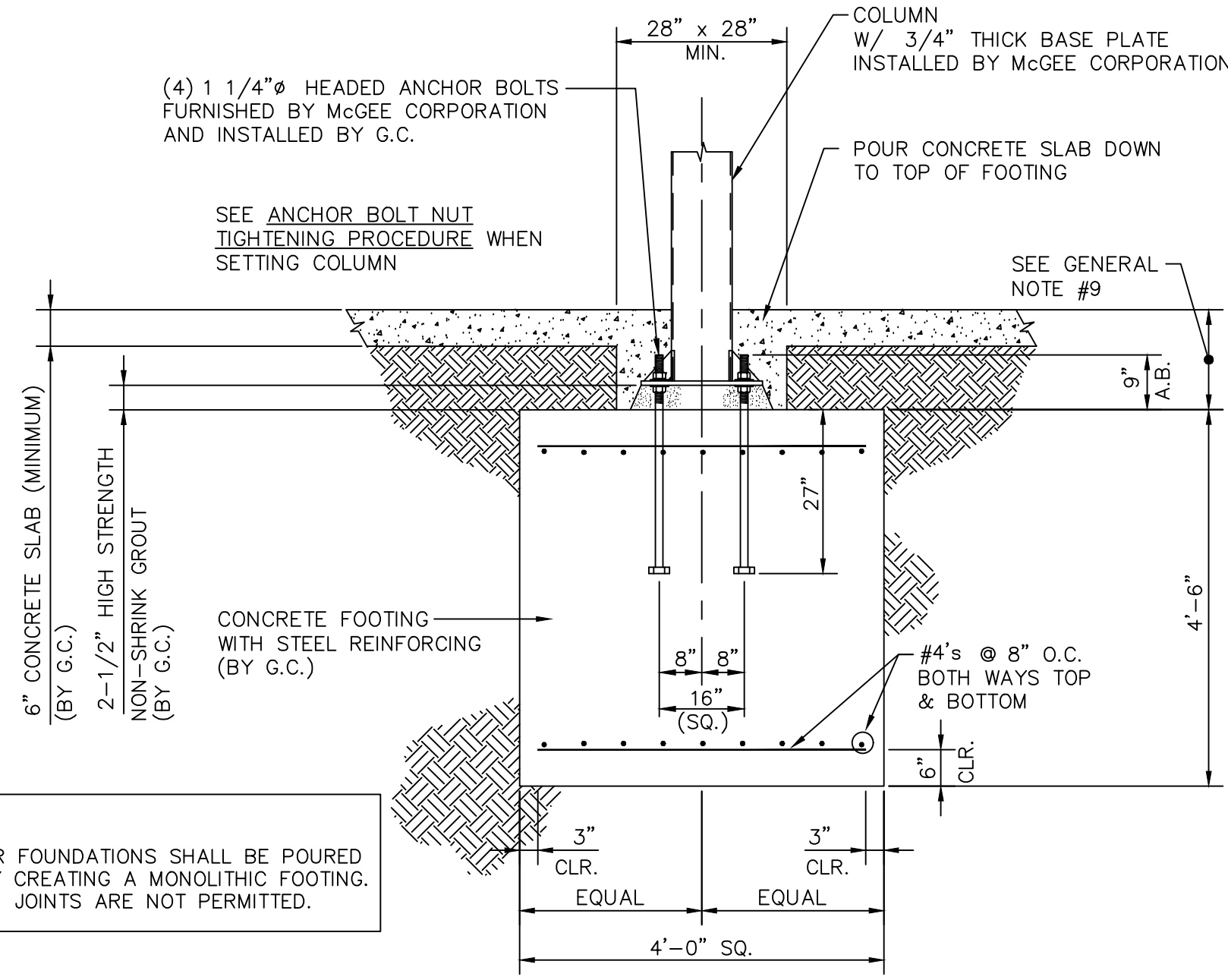


FOUNDATION PLAN
ALL DIAGONAL DIMENSIONS SHOWN ARE GIVEN TO CL OF COLUMN

NOTE ON SITE FILL:
PER ECS GEOTECH REPORT SITE HAS UNSUITABLE FILL IN SOME AREAS. IN CANOPY FOUNDATION AREAS, WHERE UNDOCUMENTED / UNSUITABLE FILL IS ENCOUNTERED, OVEREXCAVATE OLD FILL AND REPLACE WITH NEW FILL IN ACCORDANCE WITH THE ECS GEOTECH REPORT REQUIREMENTS.



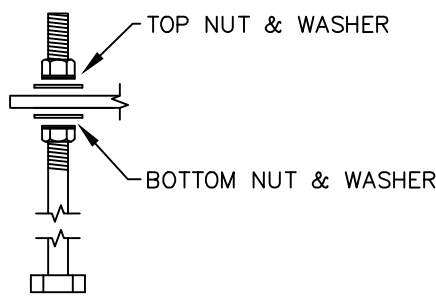
DETAIL F2
REV. 01/22/03



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

DETAIL F1
REV. 01/22/03

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.

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

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.

CANOPY SIZE	☐ APPROVED AS SUBMITTED ☐ APPROVED WITH NOTED CHANGES
COLUMN SPACING	☐ APPROVED AS SUBMITTED ☐ APPROVED WITH NOTED CHANGES
CLEARANCE	☐ APPROVED AS SUBMITTED ☐ APPROVED WITH NOTED CHANGES
SIGNAGE	☐ NUMBER APPROVED AS SUBMITTED ☐ LAYOUT APPROVED AS SUBMITTED ☐ APPROVED WITH NOTED CHANGES
DECALS	☐ APPROVED AS SUBMITTED ☐ APPROVED WITH NOTED CHANGES
LIGHTS	☐ NUMBER APPROVED AS SUBMITTED ☐ LAYOUT APPROVED AS SUBMITTED ☐ 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: _____

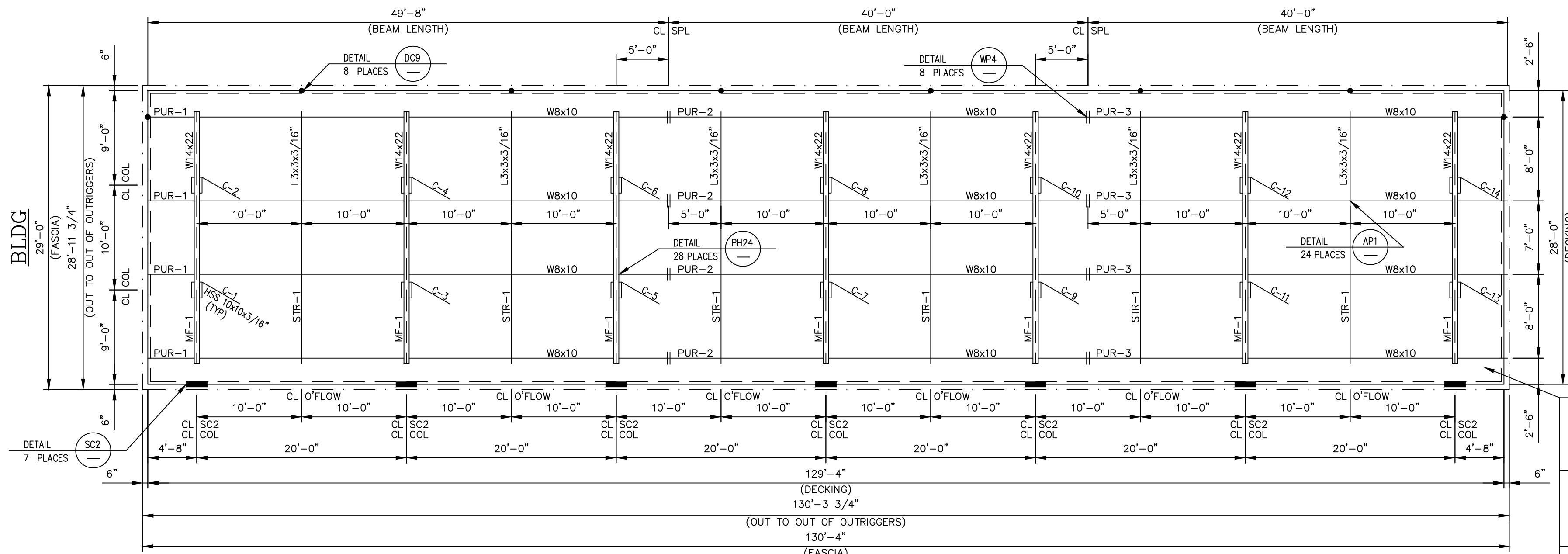
GENERAL NOTES:

- 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 & RCSC SPECIFICATIONS.
- MINIMUM REQUIRED SOIL BEARING PRESSURE OF 3000 PSF PER ECS GEOTECH REPORT SHALL BE VERIFIED BY OWNER / GC.
- DESIGN CRITERIA- 2018 INTERNATIONAL BLDG CODE W/ GA AMENDMENTS: :
Roof Live Load = 20 PSF
Roof Snow Load (ASCE 7-16):
Ground Snow Load- Fg = 5 PSF
Flat Roof Snow Load- Pf = 5 PSF
Snow Exposure Factor- Ce = 1.0
Snow Importance Factor- Iw = 1.0 (Risk Category II)
Thermal Factor- Ct = 1.2
Wind Load (ASCE 7-16) :
Basic (Ult) Wind Speed (3-Sec. Gust) - V = 115 MPH
Lateral = 25 PSF (MWFRS) (USING 0.6W FOR ASD)
Uplift = 20 PSF (MWFRS) / 35 PSF (C4C) (USING 0.6W FOR ASD)
Wind Exposure - B
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 MCEr Response Accelerations At Short Periods - Ss = 0.171g - Fa = 1.6
Mapped MCEr Response Accelerations At 1-Sec. Period - S1 = 0.083g - Fv = 2.4
Site Class - D PER ECS GEOTECH REPORT
Design Spectral Response Acceleration At Short Periods - Sps = 0.182g
Design Spectral Response Acceleration At 1-Sec. Period - Sp1 = 0.132g
SEISMIC DESIGN CATEGORY - B
- BASIC SEISMIC - FORCE - RESISTING SYSTEM - NON-BLDG - INVERTED PENDULUM SYSTEM CANTILEVERED COLUMN SYSTEM
Response Modification Coefficient - R = 2
System Overstrength Factor - Omega = 2
Deflection Amplification Factor - Cdl = 2
- SEISMIC RESPONSE COEFFICIENT - Cs = 0.091
SEISMIC BASE SHEAR - V = 0.4 KCOL
ANALYSIS - EQUIVALENT LATERAL FORCE PROCEDURE
- ASTM F1554 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.
- 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

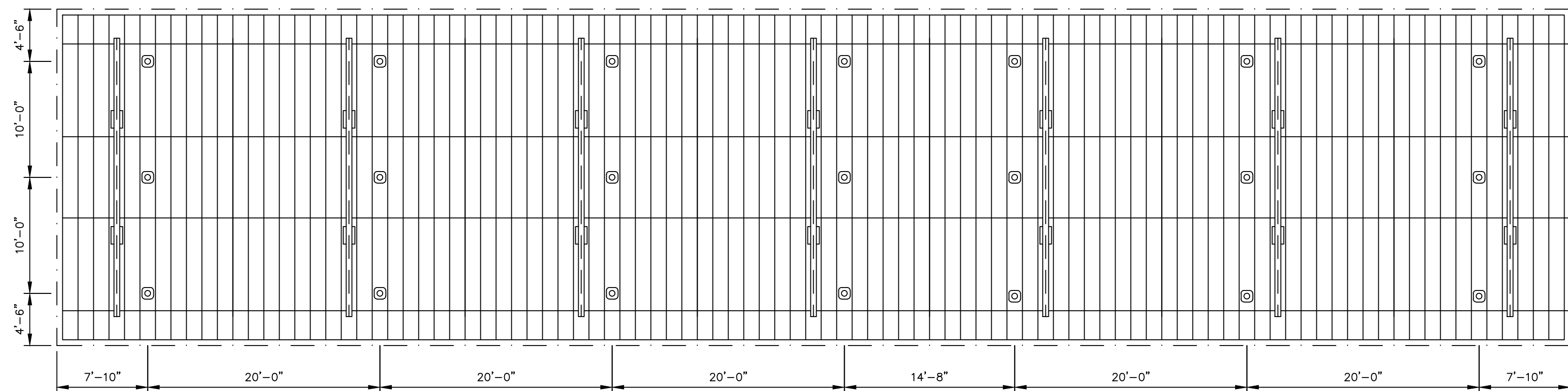
LAWRENCE R. PILON/ PROFESSIONAL ENGINEER
51 MAPLEVIEW DRIVE/PENNELLSVILLE, NY 13132
(315) 668-0039

McGEE CORPORATION 12701 East Independence Blvd., P.O. Box 1375 Matthews, NC 28106-1375 Phone: (704) 882-1500 Watts: (800) 528-5589	PRJ. JOB NO. 59909B DRAWING NO. P059909 RACETRAC PETROLEUM INC #1478 4443 DUNN COURT ELLENWOOD, GA 30294 (DEKALB) SCALE: 1/8"=1'-0" DATE: 1/29/21 IN ACCORDANCE WITH REV. LETTER: A DRAWN BY: JWG CHK'D BY: METAL CANOPY 29'-0" x 130'-4" FOUNDATION PLAN SHEET NO. 1 OF 3
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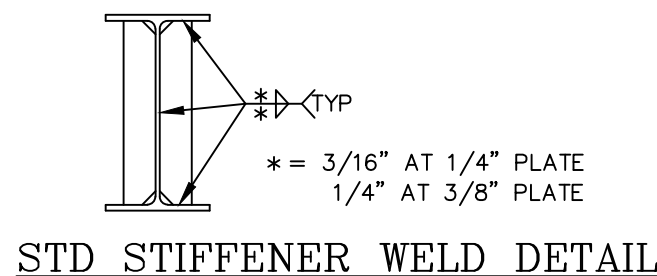




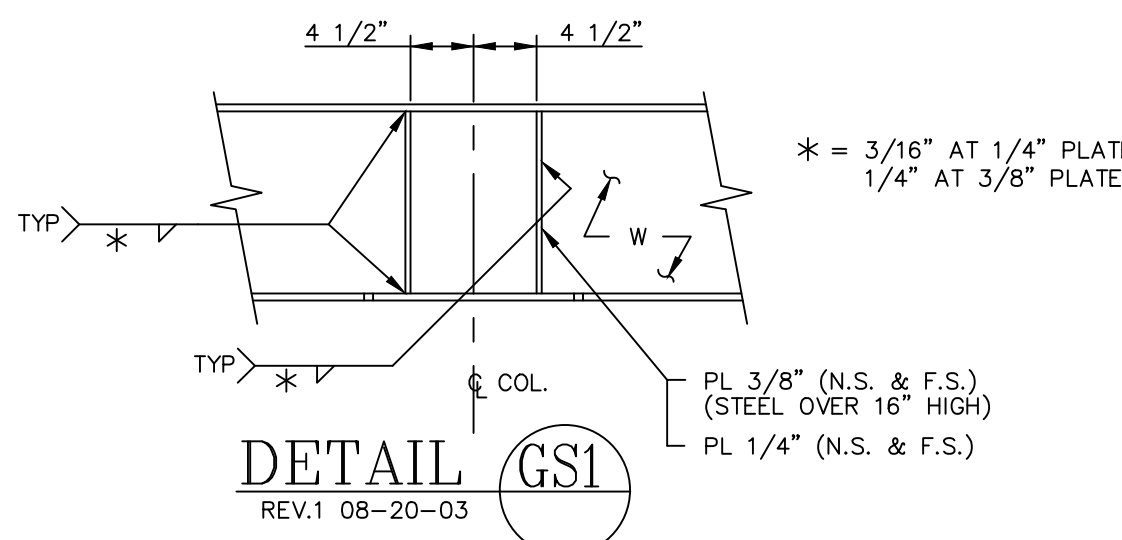
CANOPY ROOF PLAN



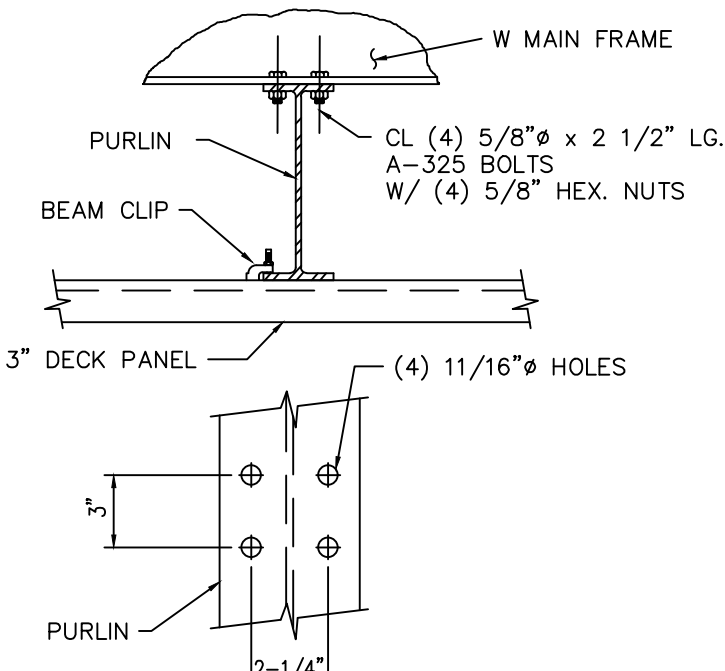
CANOPY LIGHT LAYOUT



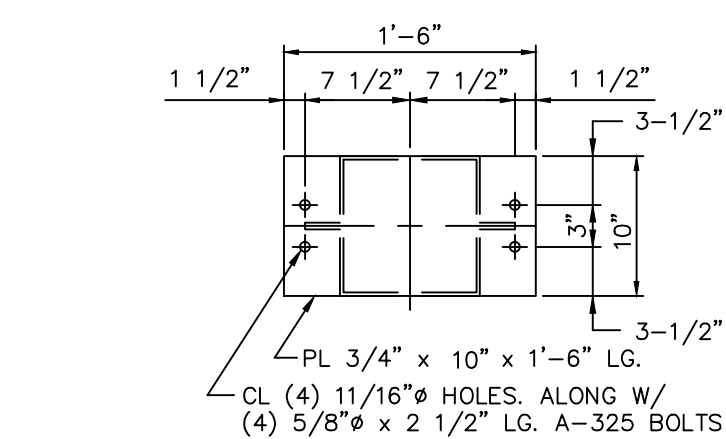
STD STIFFENER WELD DETAIL



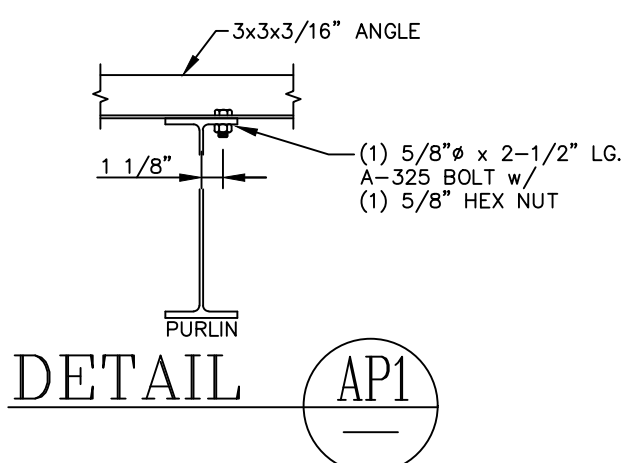
DETAIL GS1



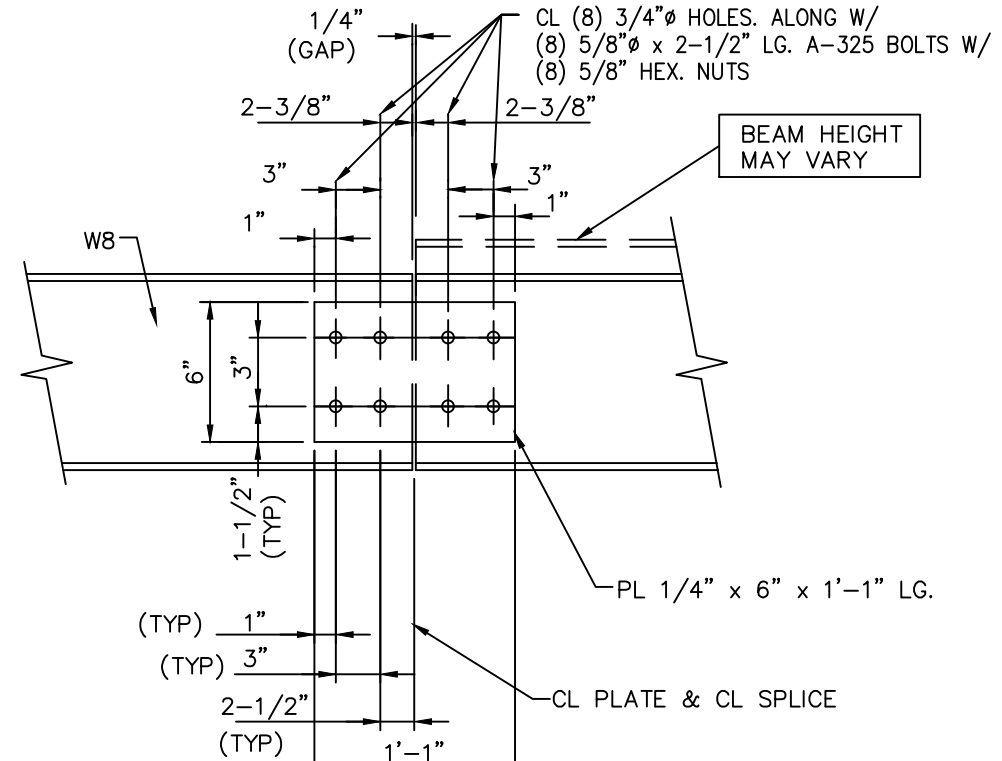
DETAIL PH24



DETAIL TC1



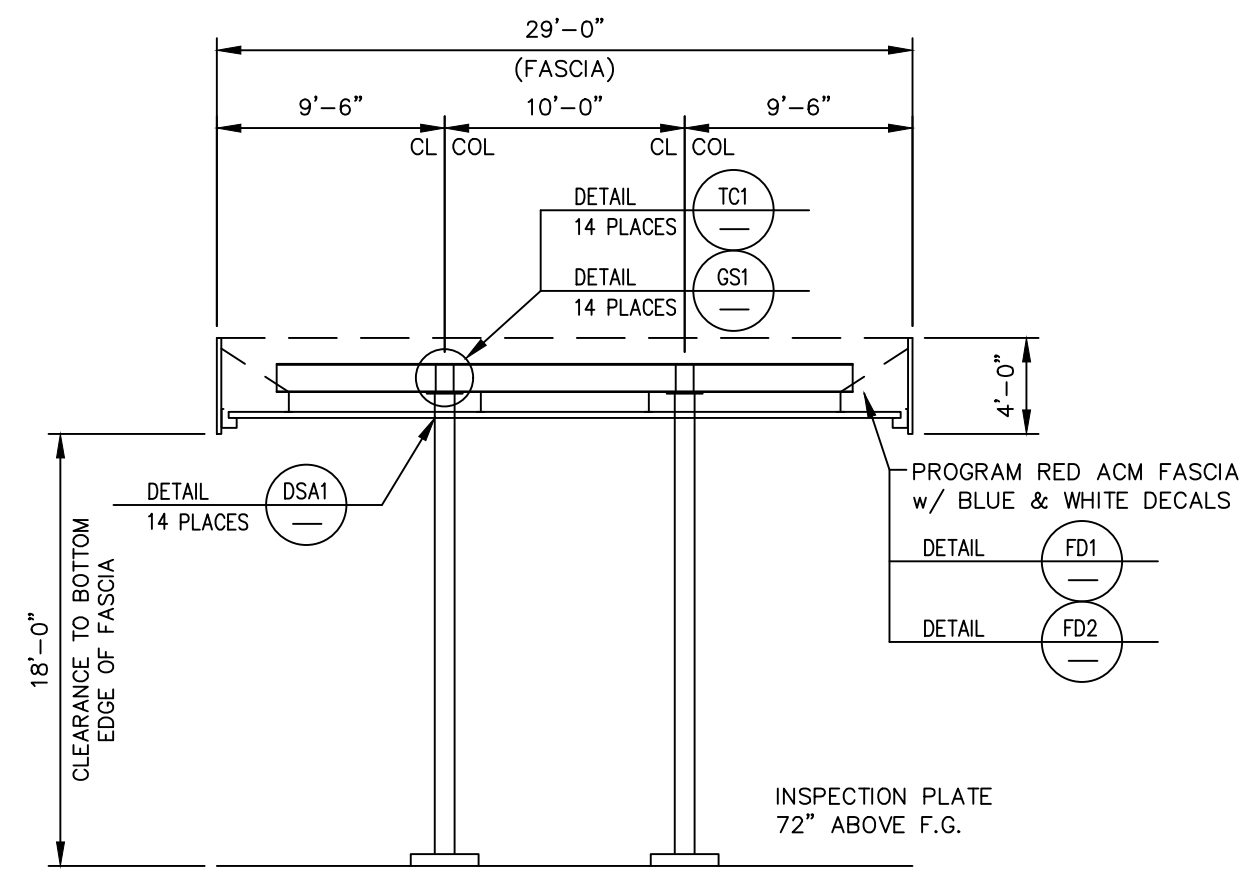
DETAIL AP1



DETAIL WP4

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
F&P FASCIA ONLY* START FASCIA AT LEFT END - SEE DIMENSION FOR LOCATION OF FIRST 14 PANEL.

NOTE: TOP PLATES FOR EVEN NUMBER COLUMNS TO BE 1" HIGHER THAN ODD NUMBER COLUMNS. BASE PLATES TO BE SET LEVEL.



MAIN FRAME DETAIL

ANCHOR BOLT SHIPPING REQUIREMENTS							
ANCHOR BOLT USE		BOLT DESCRIPTION			QUANTITY		
BC3-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		
TC1-TOP PLATE (14 PLACES)		5/8" x 2-1/2" BOLTS w/ NUTS			56		
WP4-BEAM SPLICE (8 PLACES)		5/8" x 2-1/2" BOLTS w/ NUTS			64		
WP4-BEAM SPLICE (8 PLACES)		6x13x1/4" PLATE			8		
PH24-CONNECTION (28 PLACES)		5/8" x 2-1/2" BOLTS w/ NUTS			112		
AP1-CONNECTION (24 PLACES)		5/8" x 2-1/2" BOLTS w/ NUTS			24		
CANOPY SHIPPING STEEL HARDWARE MANIFEST							
QUANTITY	DESCRIPTION		QUANTITY SHIPPED	PULLED BY	CHECKED BY	TRAILER #	LOADED BY
256	5/8" x 2-1/2" BOLTS w/ NUTS						
8	(WP4) 6x13x1/4" PLATE						
CANOPY SHIPPING MANIFEST			TOP PLATE	BASE PLATE	PLATE DRAINS	W/S & CONDUIT	VENT
7	MF-1 W14x22 (24'-0")						
4	PUR-1 W8x10 (49'-7 7/8")						
4	PUR-2 W8x10 (39'-11 3/4")						
4	PUR-3 W8x10 (39'-11 7/8")						
6	STR-1 L3x3x3/16" (24'-0")						
7	COL 1,3,5,7,9,11,13, HSS10x10x3/16"						
7	COL 2,4,6,8,10,12,14, HSS10x10x3/16"						
68	SIDE OUTRIGGERS SPACED @ 48" O.C.						
16	END OUTRIGGERS SPACED @ 48" O.C.						
1-Lot	HARDWARE						

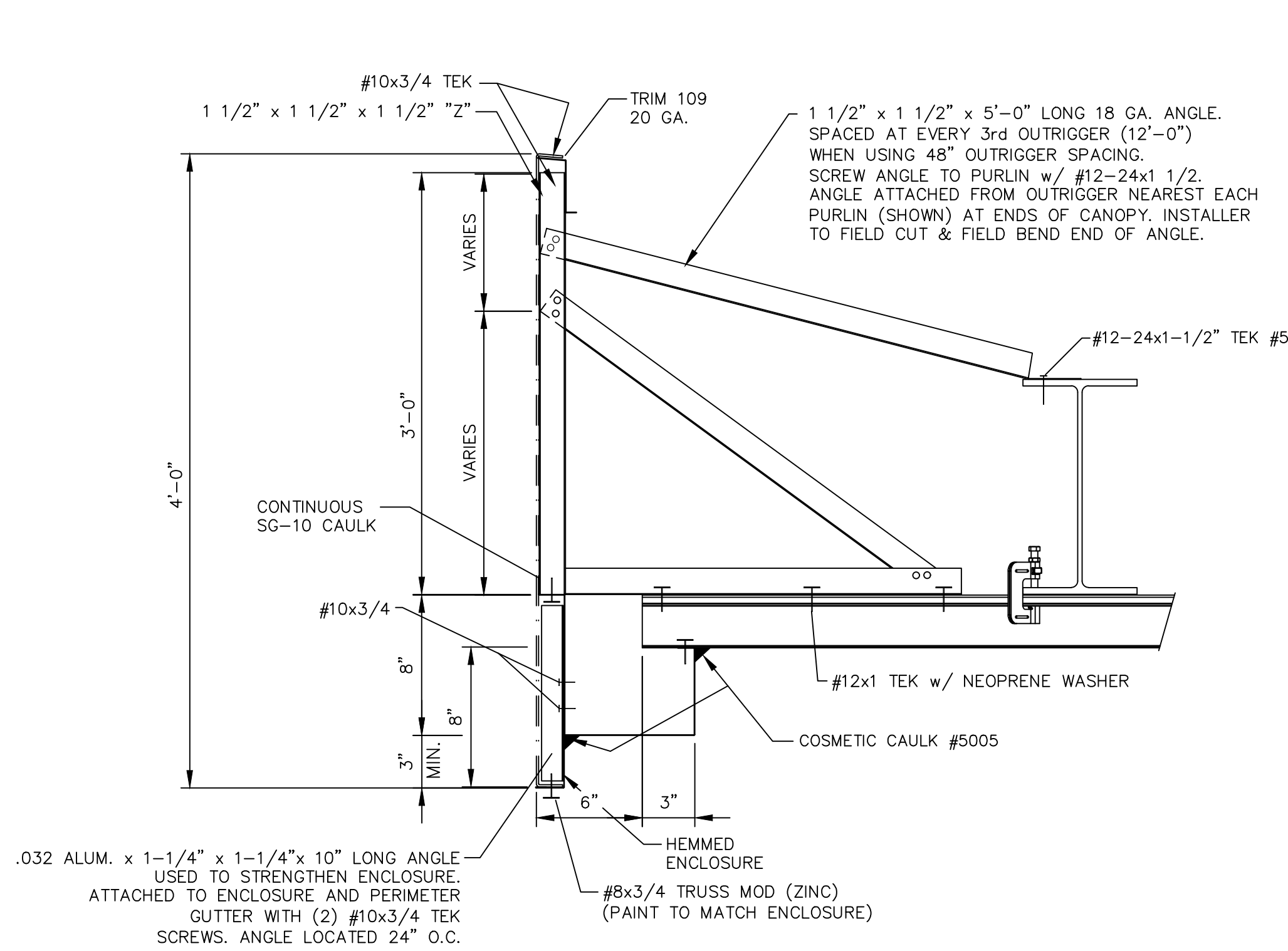
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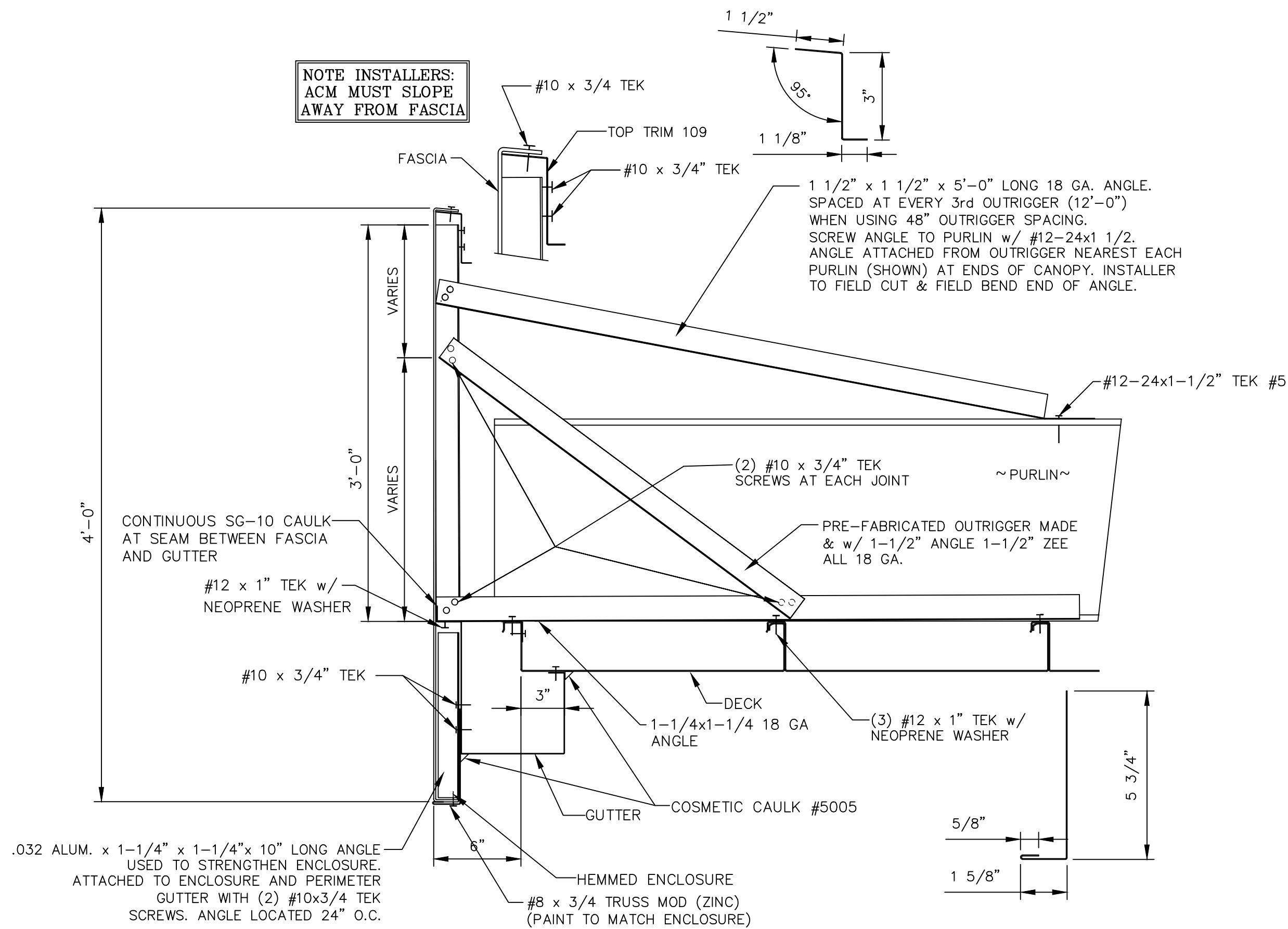
PR. JOB NO. 59909B
DRAWING NO. P059909A
RACETRAC PETROLEUM INC #1478
4443 DUNN COURT
ELLENWOOD, GA 30294 (DEKALB)
SCALE: 1/8"=1'-0"
DATE: 1/29/21
IN ACCORDANCE WITH REV. LETTER: A
DRAWN BY: JWG
CHK'D BY:

METAL CANOPY 29'-0" x 130'-4"
ROOF PLAN & DETAILS
SHEET NO. 2 OF 3

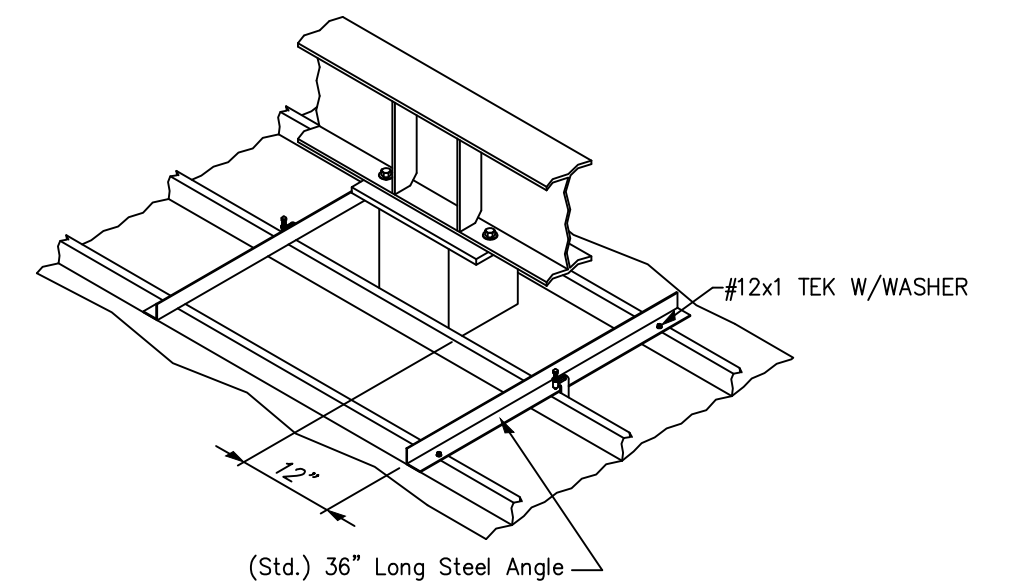




DETAIL FD1
3/9/2019
SIDE



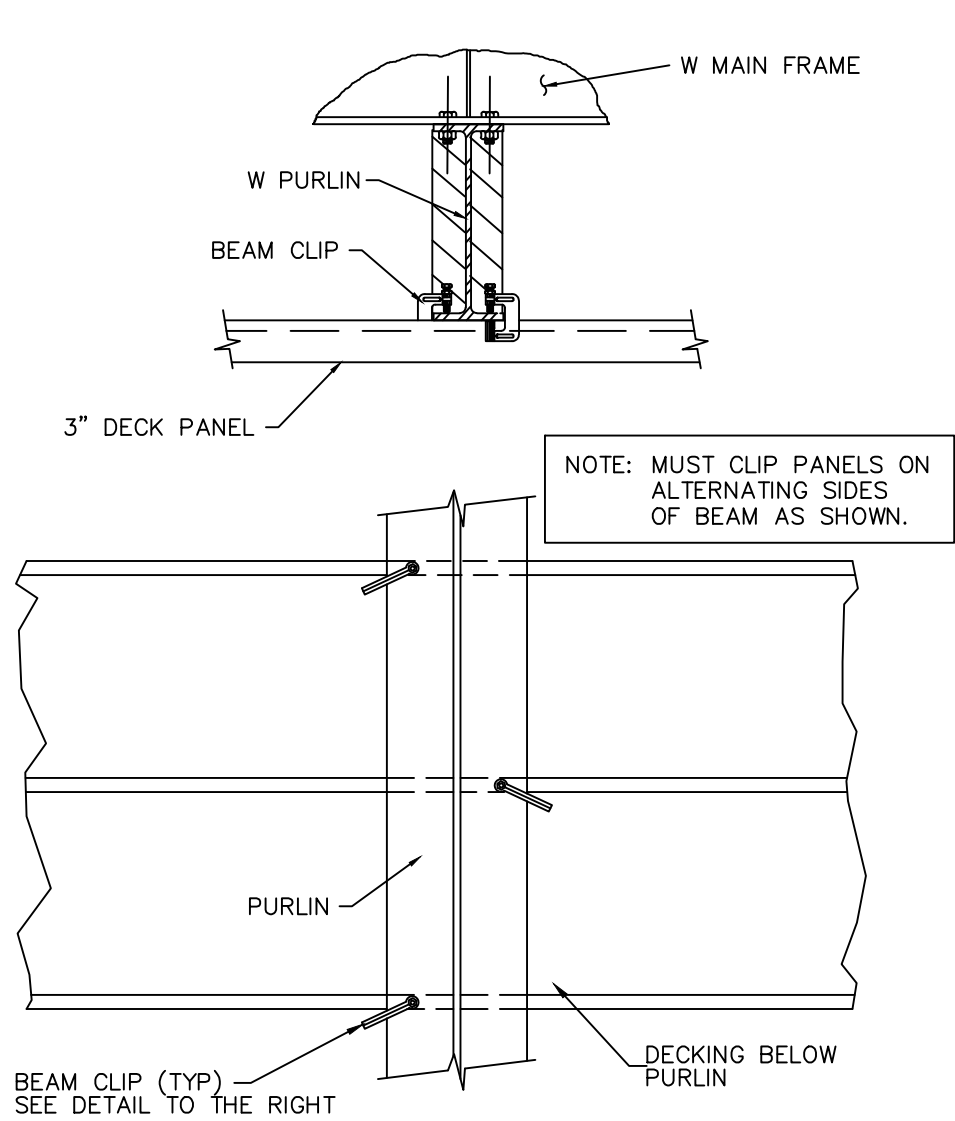
DETAIL FD2
3/12/2019
END



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

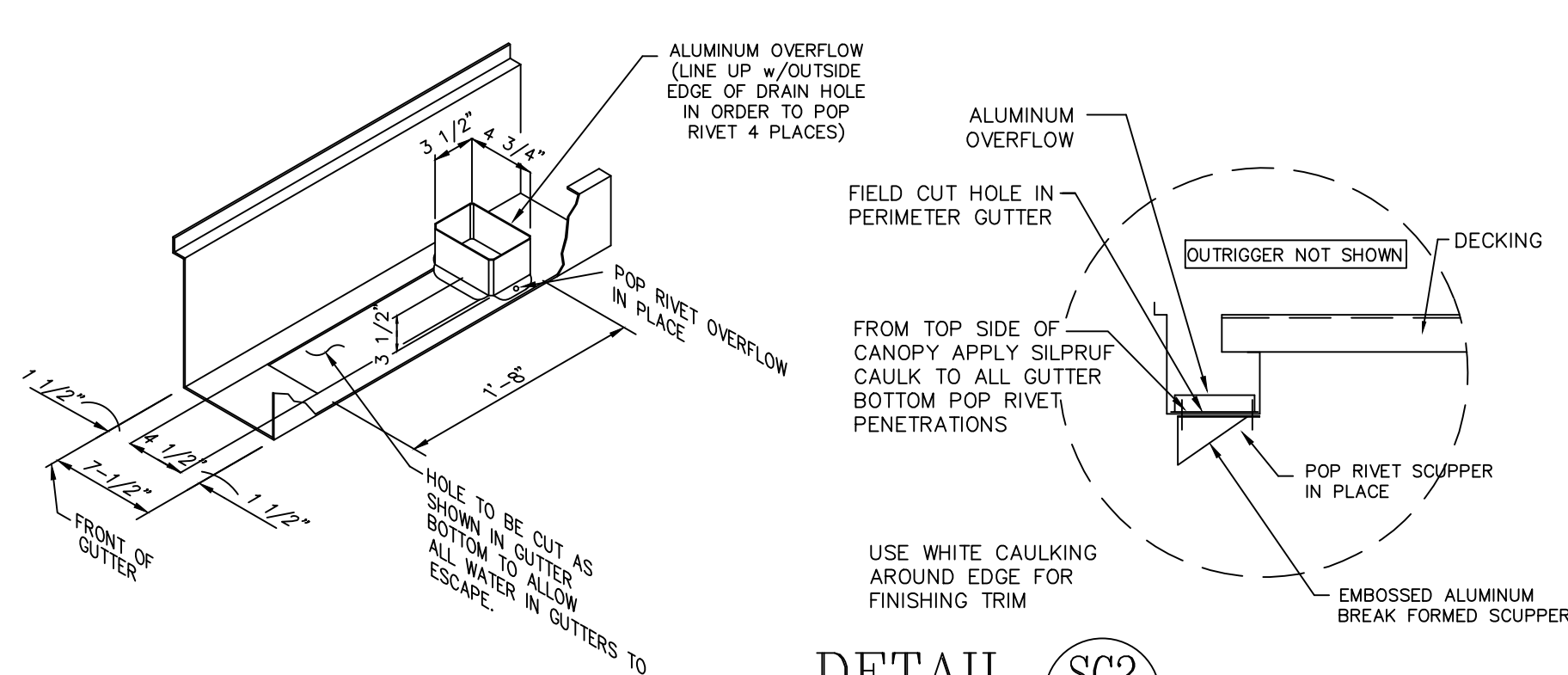


DETAIL CPI
REV 11-19-20

McGEE BEAM CLIP DETAIL

MATERIAL-
BOLT: 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 CO) (GALVANIZED G90) (MIN YIELD STRENGTH = 36 ksi)
NUTS: 3/8-16 38 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.



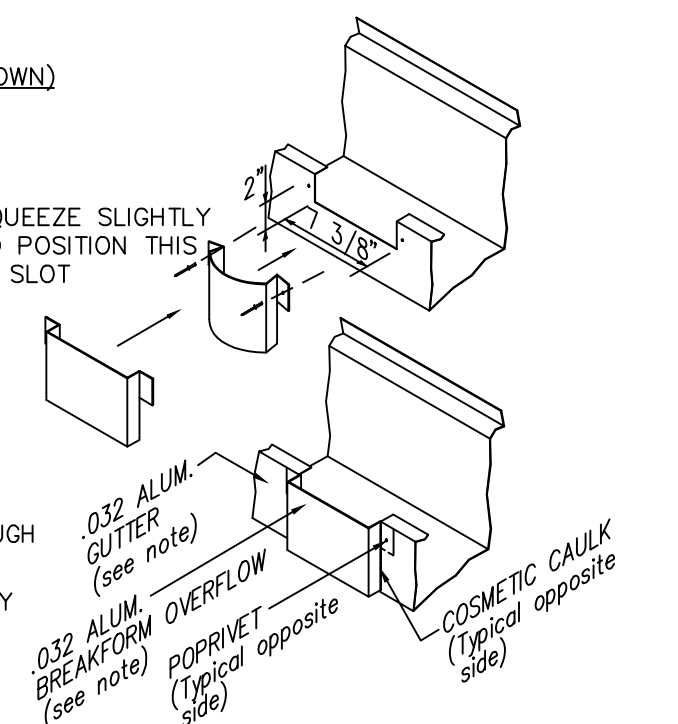
DETAIL SC2
05-01-98

PERIMETER GUTTER O'FLOW CUTOOUT (SHOWN)
NOTCH 2"x 7 3/8" HOLE
IN GUTTER AS SHOWN
(See roof plan for locations on canopy)

CENTER GUTTER O'FLOW CUTOOUT
NOTCH 2"x 7 3/8" HOLE
IN GUTTER AS SHOWN
ALTERNATE DIRECTION OF CUT OUT
AND OVERFLOW IF MORE THAN
(2) OVERFLOWS ARE PRESENT
(See roof plan for locations on canopy)

OVERFLOW INSTALLATION
INSERT (1) FLANGE AND BEND JUST ENOUGH TO GET OTHER SIDE IN.
USE (1) POPRIVET EACH SIDE THEN APPLY COSMETIC CAULK AROUND EDGES.

DETAIL DC9
REV. 1 03-26-02



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McGEE CORPORATION 12701 East Independence Blvd., P.O. Box 1375 Matthews, NC 28106-1375 Phone: (704) 882-1500 Watts: (800) 528-5589	PR. JOB NO.	FINAL JOB NO.	DRAWING NO.
		59909B	P059909B
	RACETRAC PETROLEUM INC #1478 4443 DUNN COURT ELLENWOOD, GA 30294 (DEKALB)		
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DATE: 1/29/21		CHK'D BY:	
METAL CANOPY 29'-0" x 130'-4"			
MISC. DETAILS			
SHEET NO. 3 OF 3			

