

STRUCTURAL DESIGN CRITERIA

BUILDING CODE	2018 IBC
DESIGN DEAD LOAD	ACTUAL WEIGHT OF STRUCTURE
ROOF LIVE LOAD	20 PSF
ROOF SNOW LOAD	
1. GROUND SNOW LOAD	$P_g = 5$ PSF
2. SNOW EXPOSURE FACTOR	1.0
3. SNOW LOAD IMPORTANCE FACTOR	1.0
4. THERMAL FACTOR	1.2
5. FLAT ROOF SNOW LOAD	$P_f = 9.2$ PSF

WIND DESIGN DATA

1. BASIC WIND SPEED 109 MPH (3 SECOND GUST)
2. WIND IMPORTANCE FACTOR N/A
3. RISK CATEGORY II
4. WIND EXPOSURE CATEGORY C

EARTHQUAKE DESIGN DATA

1. SEISMIC IMPORTANCE FACTOR	$I = 1.0$
2. MAPPED SPECTRAL RESPONSE ACCELERATIONS	$S_D = 0.228 \quad S_1 = 0.083$
3. SITE CLASS	$S_{DS} = 0.243 \quad S_{D1} = 0.133$
4. SPECTRAL RESPONSE COEFFICIENTS	C
5. SEISMIC DESIGN CATEGORY	CANTILEVERED COLUMNS
6. BASIC SEISMIC FORCE SYSTEM	$V = 4,000 \text{ LBS}$
7. DESIGN BASE SHEAR	$C_g = 0.195$
8. SEISMIC RESPONSE COEFFICIENT	$R = 1.25$
9. RESPONSE MODIFICATION FACTOR	EQUIVALENT LATERAL FORCE
10. ANALYSIS PROCEDURE	

FOUNDATION DESIGN DATA

1. ALLOWABLE BEARING PRESSURE.....	2500 PSF
2. LATERAL BEARING PRESSURE.....	166 PSF/FT
3. GEOTECHNICAL REPORT PREPARER	UES
4. GEOTECHNICAL REPORT NUMBER.....	A23104.01808.000
5. GEOTECHNICAL REPORT DATE.....	JUNE 13, 2023

MATERIAL SPECIFICATIONS

1. STRUCTURAL STEEL WIDE FLANGE	ASTM A992
2. STRUCTURAL STEEL PLATES	ASTM A36 (U.N.O)
3. CHANNELS LESS THAN 6" DEEP	ASTM A36
ALL OTHER CHANNELS	ASTM A572, GR. 50
4. ANGLES LESS THAN 13x3x1/4	ASTM A36
ALL OTHER ANGLES	ASTM A572, GR. 50
5. HOLLOW STRUCTURAL SECTIONS	ASTM A500, GR. C
6. 3" METAL DECK	ASTM A653, GR. 50
7. WELDING ELECTRODE STRENGTH	E-70XX
8. ANCHOR BOLTS	ASTM F1554, GR. 36
9. STRUCTURAL BOLTS	ASTM A307 GR. A (U.N.O)
10. STRUCTURAL NUTS	ASTM A563A, HEAVY HEX (U.N.O)
11. STRUCTURAL WASHERS	ASTM F436 (U.N.O)
12. 28 DAY CONCRETE COMP. STRENGTH	f _c = 4000 PSI
13. CONCRETE REINFORCING STEEL	ASTM A706, GR. 60 DEF. BARS

U.N.O. - UNLESS NOTED OTHERWISE (REFER TO DRAWINGS)

ABREVIATIONS

A.F.F.	ABOVE FINISH FLOOR	N.B.M	NOT BY MADISON
@	AT	N.S.	NEAR SIDE
B	BUILDING LINE	NEO	NEOPRENE
C	CENTER LINE	O/C	ON CENTER
C/C	CENTER TO CENTER	O/O	OUT TO OUT
CLR	CLEAR	R	PLATE
DIA.	DIAMETER	SQ.	SQUARE
EA.	EACH	T.O.I.	TOP OF ISLAND
ELEV.	ELEVATION	TYP.	TYPICAL
F.S.	FAR SIDE	UG	UNDERGROUND
FTG.	FOOTING	V	VENT
G.C.	GENERAL CONTRACTOR	W.A.	WHITE ACRYLIC
GA.	GAUGE		
GALV.	GALVANIZED		
HX.HD.	HEX HEAD SCREW		

GENERAL NOTES

1. STRUCTURAL WELDED JOINTS SHALL CONFORM TO THE PROVISIONS OF AWS D1.1-04, STRUCTURAL WELDING CODE-STEEL, PUBLISHED BY THE AMERICAN WELDING SOCIETY.
2. ANY FIELD WELDING SHALL REQUIRE SPECIAL INSPECTION. WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOBSITE DURING TIMES OF INSPECTION.
3. ALL STRUCTURAL BOLTED CONNECTIONS SHALL BE ASTM GRADE A-307 BOLTS AS NOTED ON DRAWINGS AND SHALL BE MADE "SNUG-TIGHT" ONLY AS DEFINED BY ANSI/AISC 360-05. SPECIAL INSPECTIONS ARE NOT REQUIRED FOR THESE CONDITIONS. WASHERS ARE NOT REQUIRED UNLESS HOLES ARE OVSIZED OR SLOTTED.

RACEWAY #1663

29'-0" X 61'-0"

(6) COLUMN EDO CANOPY

500 MERIWETHER ROAD NW

MILLEDGEVILLE, GA 31061

MADISON SCOPE OF WORK

FURNISH AND INSTALL ONE (1) 29'-0" X 61'-0" (6) COLUMN RACETRAC EDO CANOPY, TO INCLUDE:

DESIGN:

1. CANOPY SHALL BE DESIGNED FOR A 18"-0" CLEAR HEIGHT.
2. MADISON SHALL BE RESPONSIBLE FOR DESIGN OF CANOPY FOOTINGS AND CANOPY STRUCTURE.
3. CONTRACTOR TO FURNISH REQUIRED SOILS REPORT, GRADING PLAN, AND OTHER PERTINENT INFORMATION.
4. MADISON TO FURNISH ONE (1) PDF SET OF PRELIMINARY DRAWINGS FOR CUSTOMER REVIEW AND COMMENT.
5. MADISON TO FURNISH SIGNED AND SEALED SETS OF DRAWINGS AND SUPPORTING CALCULATIONS AS NEEDED FOR PERMIT SUBMITTAL.
6. MADISON SHALL MAKE ANY APPLICABLE PLAN CHECK CORRECTIONS AND PRODUCE REVISED DRAWINGS AND CALCULATIONS FOR SUBMITTAL.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR DRAWING SUBMITTAL TO THE LOCAL JURISDICTION AND ALL APPLICABLE FEES.

MATERIALS:

1. MADISON TO FURNISH ANCHOR BOLTS AND ACM TEMPLATES FOR CONTRACTOR INSTALLATION.
2. ALL STRUCTURAL STEEL WILL BE FURNISHED WITH ONE (1) COAT OF SHOP APPLIED GREY PRIMER.
3. DECKING SHALL BE PRE-FINISHED BRONZE WITH AN EMBOSSED FINISH. DECK RIBS SHALL BE 3" TALL AND 16" O/C.
4. GUTTER SHALL BE 20GA PRE-FINISHED BRONZE WITH AN EMBOSSED FINISH.
5. SCUPPERS WITH OVERFLOWS FOR WATER DRAINAGE.
6. FASCIA BRACKETS AND REQUIRED FLASHING SHALL BE GALVANIZED.
7. FASCIA PANELS SHALL BE 4'-0" TALL 4mm DURAGLOSS REGIONS GREEN ACM.
8. SIX (6) 1/2" ELECTRICAL CONDUITS IN CUSTOMER DESIGNATED COLUMNS SHALL BE RIGID GALVANIZED PIPE WITH SEAL-OFFS AND ACCESS PLATES LOCATED AT 48" ABOVE FINISHED GRADE.
9. MADISON TO FURNISH ALL FASTENERS AND SEALANT ASSOCIATED WITH ITS SCOPE OF WORK.
10. ALL FIELD APPLIED FINISH COATINGS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

SITE READINESS:

1. JOBSITE MUST BE CLEAR OF ANY CONSTRUCTION DEBRIS, TRENCHING, OR OTHER OBSTACLES PREVENTING ACCESS TO THE CANOPY AREA. IF CONDITIONS OR SCHEDULE REQUIRE SPECIALIZED EQUIPMENT OR ADDITIONAL LABOR HOURS TO WORK AROUND INADEQUATE CONDITIONS, COST INCURRED WILL BE BILLED TO THE CONTRACTOR AT COST +15%.
2. FOUNDATIONS AND ANCHOR BOLTS MUST BE SET IN ACCORDANCE WITH MADISON PRODUCED APPROVED FOUNDATION PLAN THAT IS DELIVERED WITH THE ANCHOR BOLTS.
3. CONTRACTOR SHALL PROVIDE NECESSARY SPACE FOR UNLOADING OF MATERIALS, AND COMMUNICATE ANY SPACE LIMITATIONS PRIOR TO DELIVERY.
4. CONTRACTOR SHALL PROVIDE PROGRESS PHOTOS AS EVIDENCE OF SITE READINESS PRIOR TO EACH MADISON MOBILIZATION.

INSTALLATION:

1. CONTRACTOR TO INSTALL MADISON FURNISHED ANCHOR BOLTS, UTILIZING TEMPLATES AND DRAWINGS PROVIDED. MADISON MUST BE NOTIFIED AT LEAST TWO (2) WEEKS IN ADVANCE PRIOR TO NEEDING THE ANCHOR BOLTS.
2. MADISON TO UNLOAD AND STAGE MATERIALS AS NEEDED.
3. MADISON TO SET AND ANCHOR STRUCTURAL STEEL COLUMNS AND ROOF FRAMING.
4. MADISON TO INSTALL ROOF DECK, OUTRIGGERS, PERIMETER SOFFIT/GUTTER, FASCIA, FLASHING AND TRIMS AS REQUIRED.
5. MADISON TO CUT HOLES AND MOUNT CUSTOMER FURNISHED LED LIGHT FIXTURES PER PLAN.
6. CONTRACTOR TO FURNISH REQUIRED LABOR AND MATERIALS TO WIRE LIGHT FIXTURES.
7. MADISON TO DISPOSE OF RELATED CONSTRUCTION DEBRIS IN CONTRACTOR FURNISHED DUMPSTER.

EXCLUSIONS:

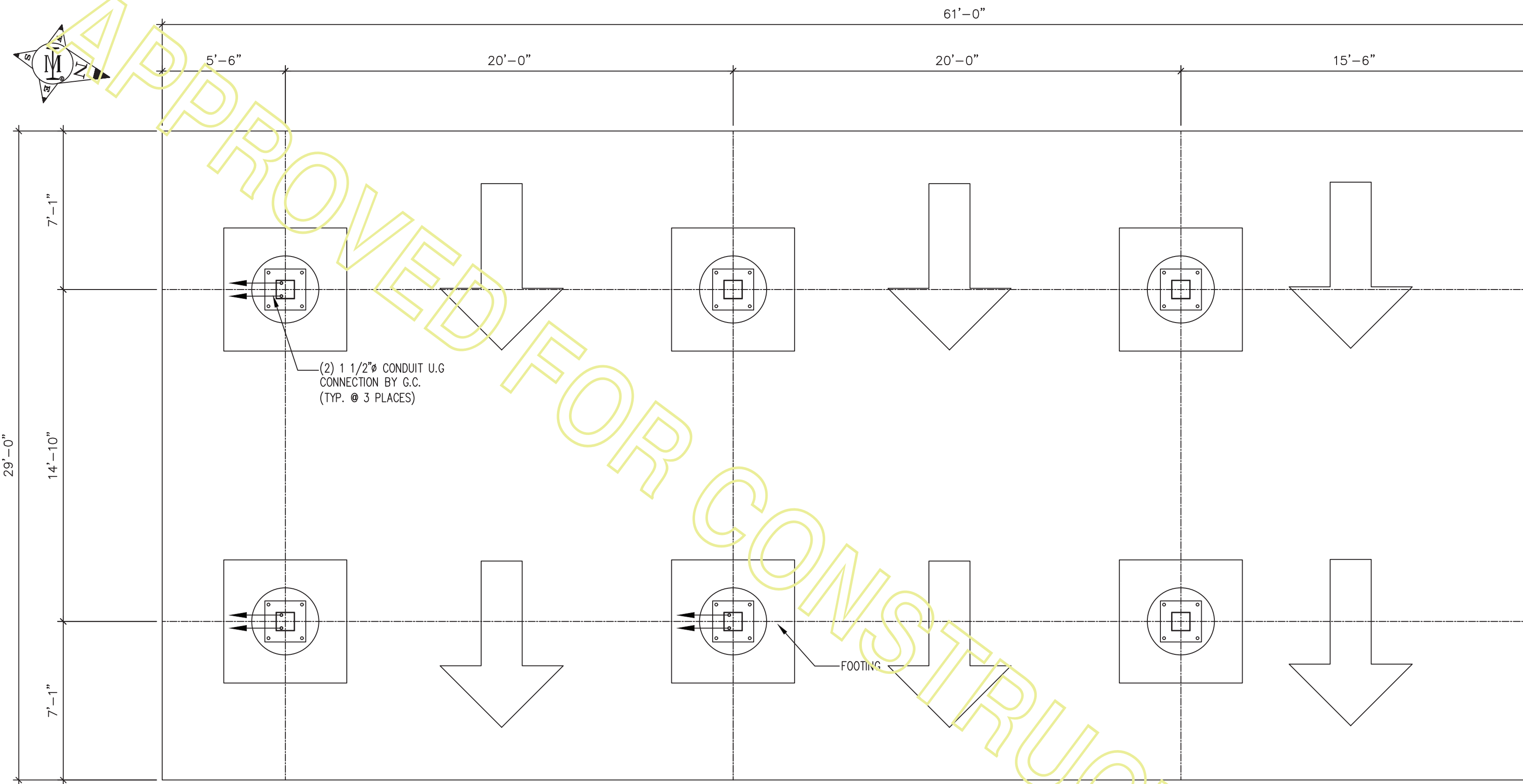
1. PERMITS, PERMIT SUBMITTAL, LICENSE FEES.
2. SPECIAL INSPECTIONS.
3. UNION/PREVAILING WAGE REQUIREMENTS.
4. BUY AMERICAN ACT OR ANY OTHER RESTRICTIVE PURCHASING AGREEMENTS.
5. FINISH PAINT, FINISH COATINGS.
6. ELECTRICAL WORK/MATERIALS.
7. CONCRETE WORK/MATERIALS.
8. PACKING GROUT BETWEEN BEARING SURFACES AND BASE PLATES.
9. GALVANIZING OF STRUCTURAL STEEL.
10. PROCUREMENT OF CANOPY DOWN LIGHTING.
11. PROCUREMENT AND INSTALLATION OF CANOPY SIGNAGE INCLUDING ALL ELECTRICAL MATERIALS AND LABOR AS REQUIRED.
12. ILLUMINATED SIGNAGE, NEON AND LED.
13. FASCIA DECALS OTHER THAN THOSE LISTED IN THE ABOVE SCOPE OF WORK.
14. COLUMN SHROUDS (BRICK OR OTHER).
15. ANY ITEMS NOT SPECIFICALLY IDENTIFIED IN THIS EXHIBIT.
16. ANY ITEMS SPECIFIED AS BEING PERFORMED BY OTHERS OR BY CONTRACTOR IN THIS EXHIBIT.

SCHEDULE OF DRAWINGS

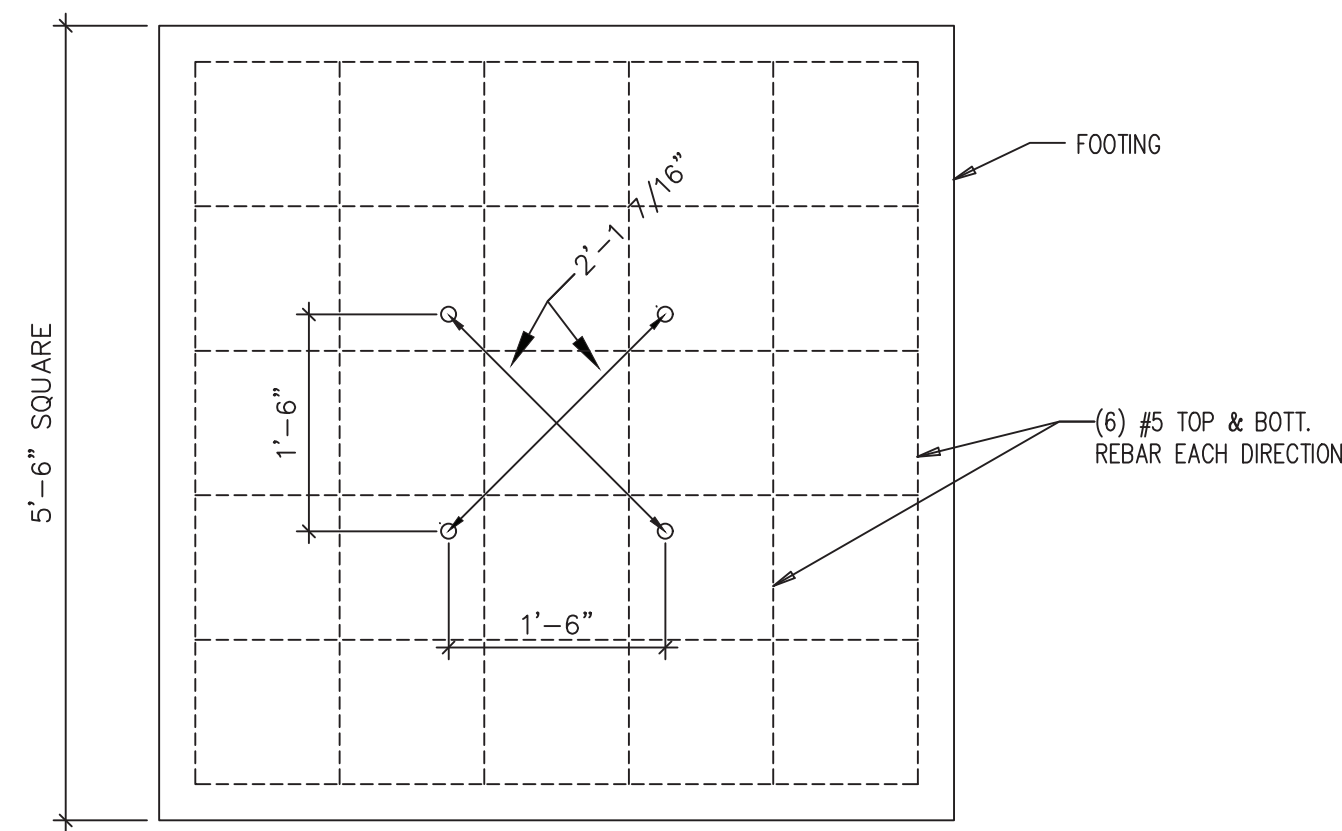
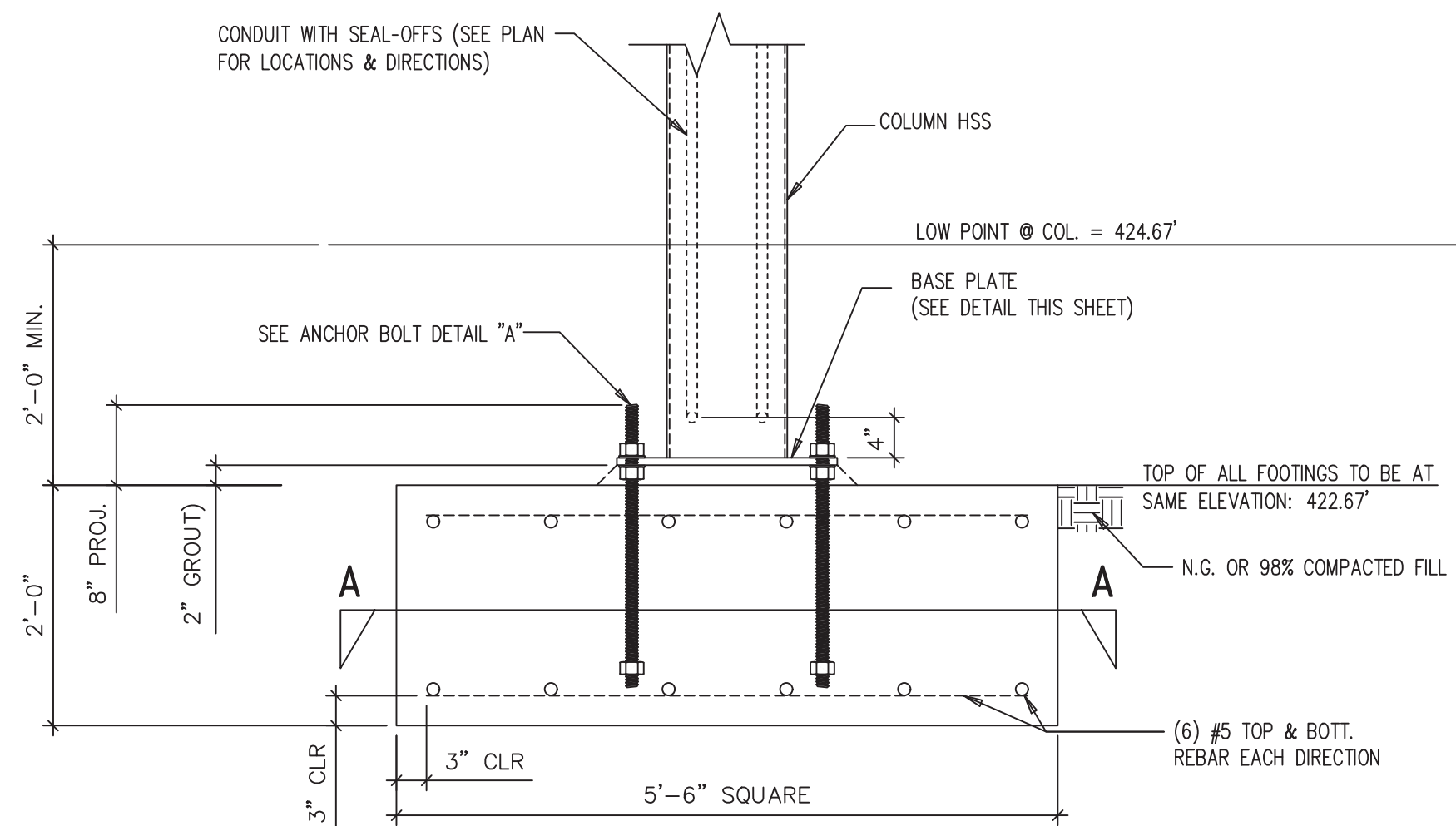
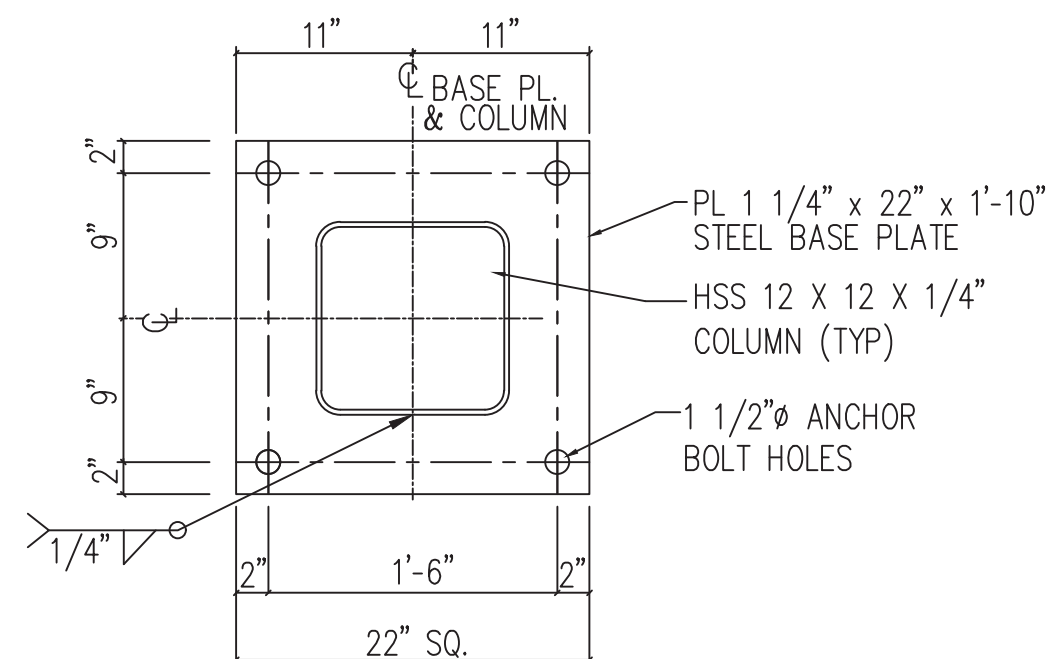
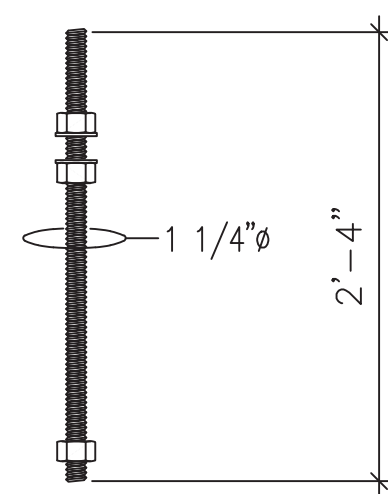
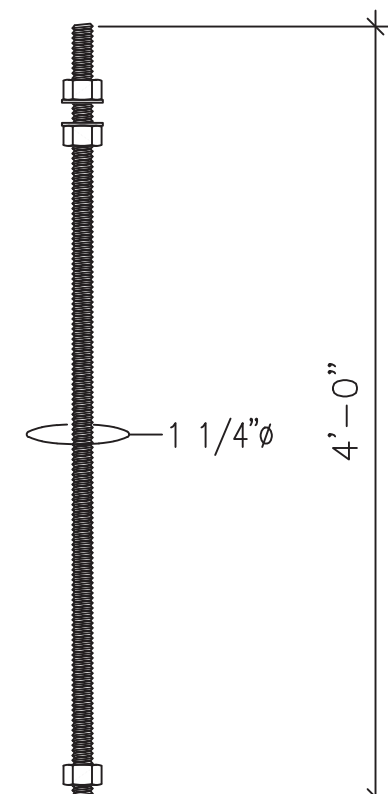
[illegible]

SCHEDULE OF REVISIONS

[illegible][illegible]

MERWETHER RD
BUILDINGFOUNDATION PLAN
SCALE: 1/4" = 1'-0"

US HWY 441

SECTION A-A
SCALE: 3/4" = 1'-0"SPREAD FOOTING DETAIL
SCALE: 3/4" = 1'-0"BASE PLATE DETAIL
SCALE: 1" = 1'-0"ASTM F1554 GR. 36 (Fy = 36 ksi) ANCHOR BOLTS, WASHERS,
& NUTS FURNISHED BY MADISON, INSTALLED BY G.C.ANCHOR BOLT DETAIL "A"
SCALE: 1" = 1'-0"ASTM F1554 GR. 36 (Fy = 36 ksi) ANCHOR BOLTS, WASHERS,
& NUTS FURNISHED BY MADISON, INSTALLED BY G.C.ANCHOR BOLT DETAIL "B"
SCALE: 1" = 1'-0"

NOTES

1. ALLOWABLE SOIL BEARING CAPACITY = 2500 P.S.F.
 LATERAL SOIL PRESSURE = 166 P.S.F. PER FOOT OF DEPTH
 CONCRETE = 4000 P.S.I. AT 28 DAYS
 REINFORCING = DEFORMED BILLET PER A.S.T.M. A706 GRADE 60

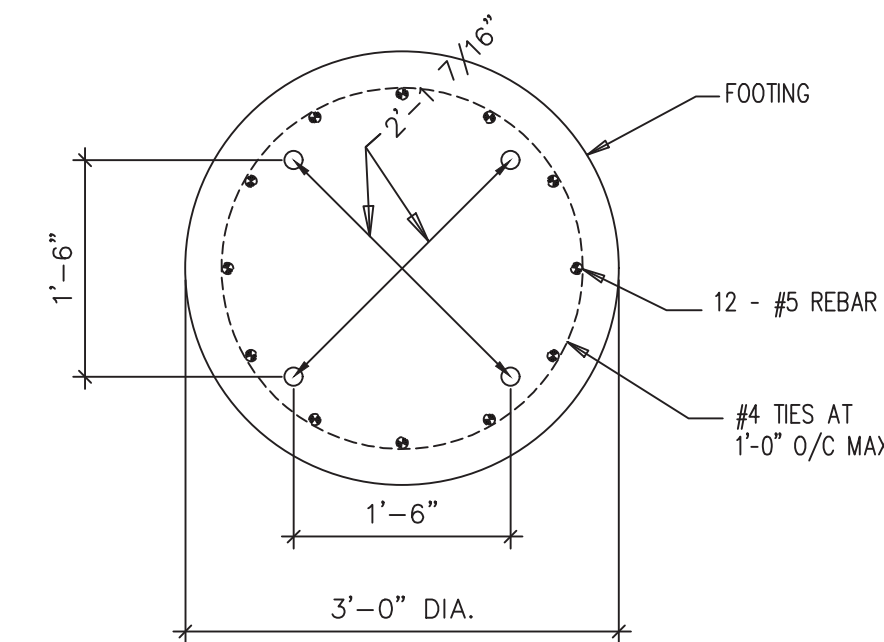
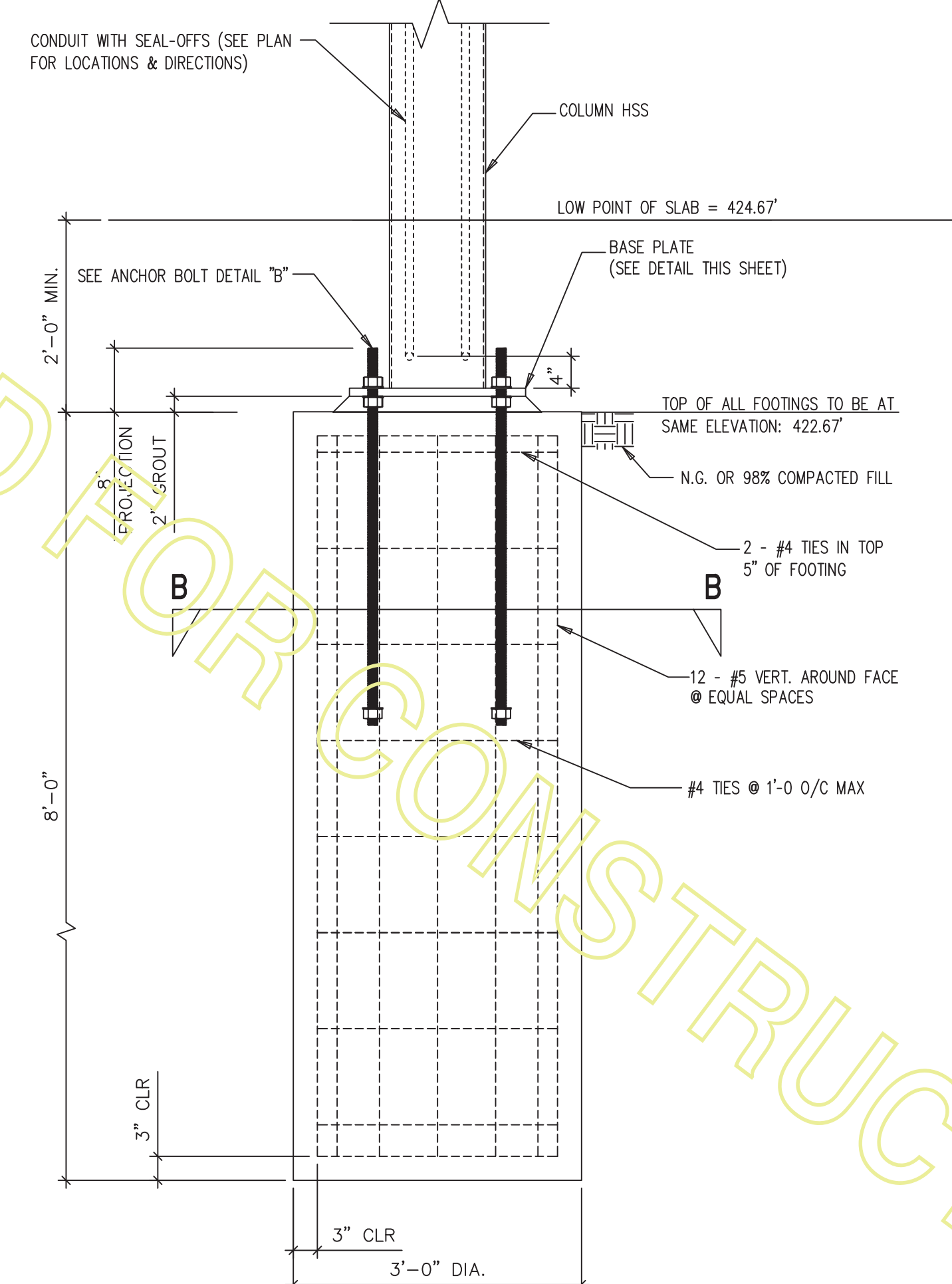
2. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR
 TO PROVIDE REQUIRED LOAD TESTS OR OTHER ADEQUATE PROOF
 AS TO THE PERMISSIBLE SAFE BEARING CAPACITY OF THE SOIL.

3. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR
 TO ACCURATELY POUR ALL FOUNDATION TO THE PROPER
 ELEVATIONS AS SHOWN ON THE APPROVED FOUNDATION PLAN
 AND SET ALL ANCHOR BOLTS AND/OR LEVELING PLATES TO
 PROPER DIMENSIONS AND ELEVATIONS.

GRADE INFO

HP SLAB = 425.40'
 LP SLAB = 424.67'
 TOP OF FTGS. = 422.67'

GRADES PER CUSTOMER GRADING PLAN,
 DRAWING C4.0 DATED 4/10/2024

SECTION B-B
SCALE: 3/4" = 1'-0"ROUND PIER FOOTING DETAIL - OPTIONAL
SCALE: 3/4" = 1'-0"

DO NOT USE FOR CONSTRUCTION
 OF FOUNDATION UNLESS APPROVED
 BY MADISON INDUSTRIES REPRESENTATIVE
 IN SPACE BELOW.

APPROVED FOR
 CONSTRUCTION

BY: Matt Hinson
 DATE: 5/16/2024

IT SHALL BE THE RESPONSIBILITY OF THE
 GENERAL CONTRACTOR TO ACCURATELY
 POUR ALL FOUNDATIONS TO ELEVATIONS
 GIVEN AND SET ANCHOR BOLTS AT
 DIMENSIONS SHOWN ON FOUNDATION
 DRAWINGS.

REV.	DATE	DESCRIPTION	BY
1			

RACEWAY #1663

29'-0" X 61'-0"

(6) COLUMN EDO CANOPY
 FOUNDATION PLAN AND DETAILS

500 MERWETHER ROAD NW
MILLEDGEVILLE, GA 31061

MADISON INDUSTRIES
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 1035 IIS Drive
 Conyers, CA 93094
 770.484.5099

CORPORATE OFFICE
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 San Jose, CA 95131
 408.270.704
 562.484.5099



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PROFESSIONAL ENGINEER

MODEL No.

SCALE

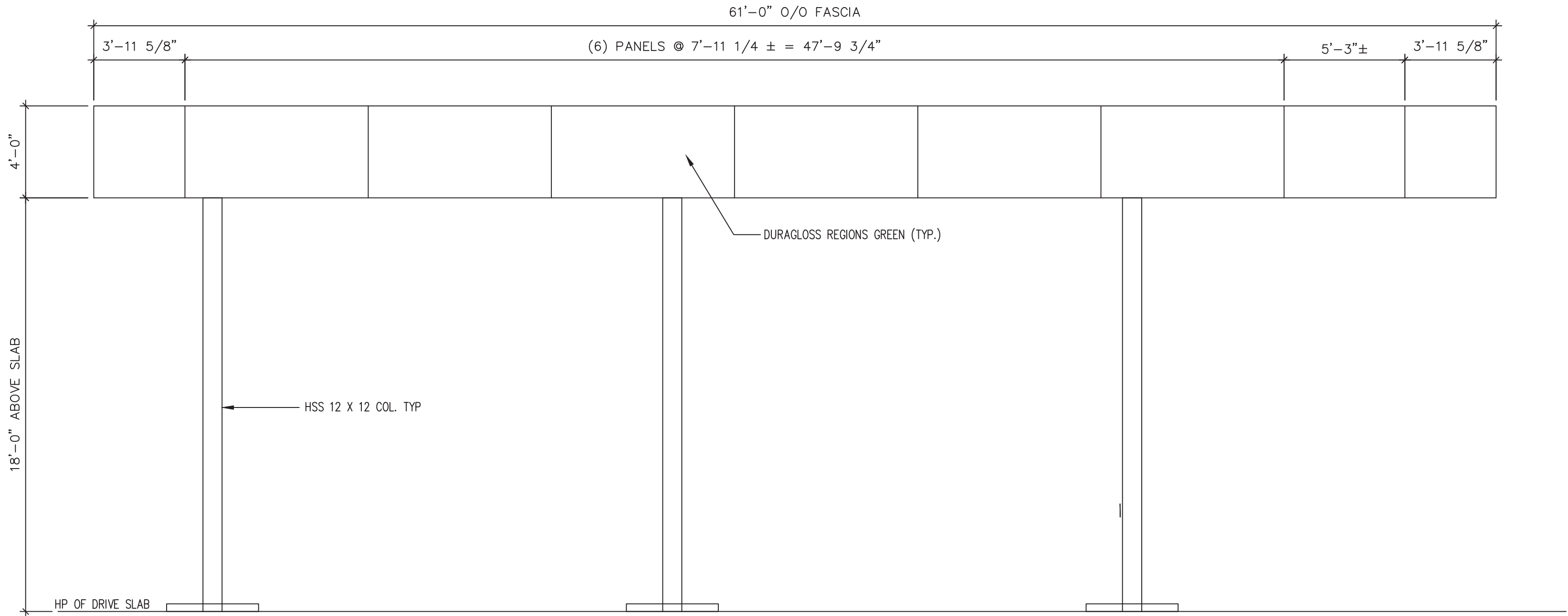
DRAWN BY MH	DATE 5/16/24
CHECKED BY DD	DATE 5/16/24
MI ENGINEER JFB	DATE 5/15/24

DRWG. No.

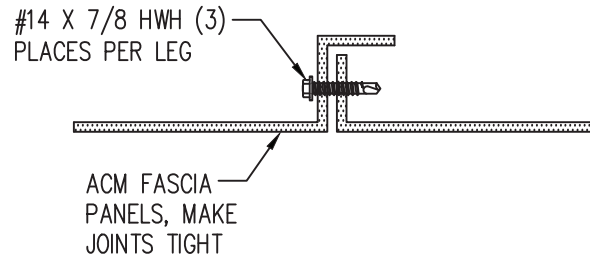
F-1

SHEET 2 OF 5

JOB No.
WGA09902-2

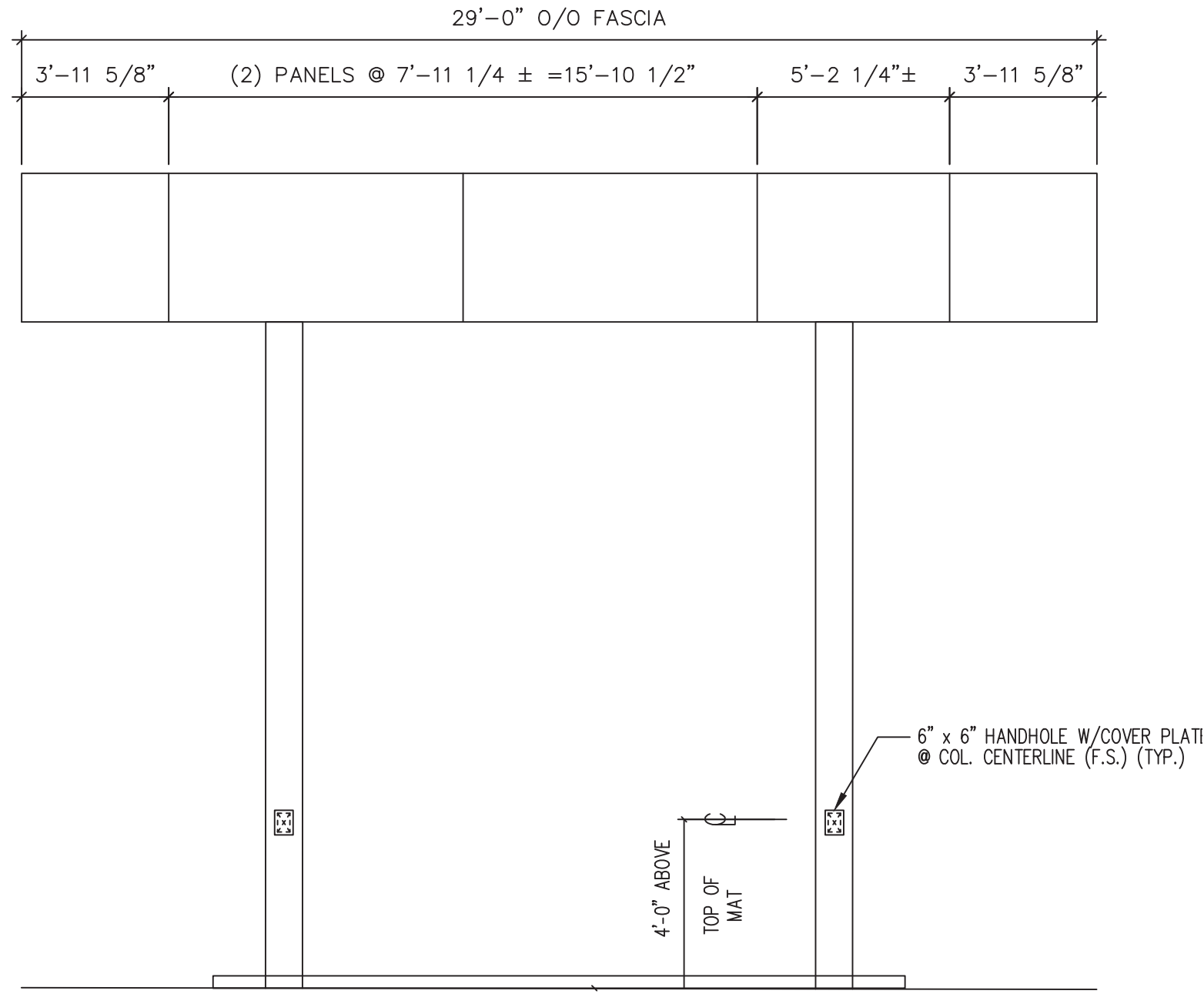
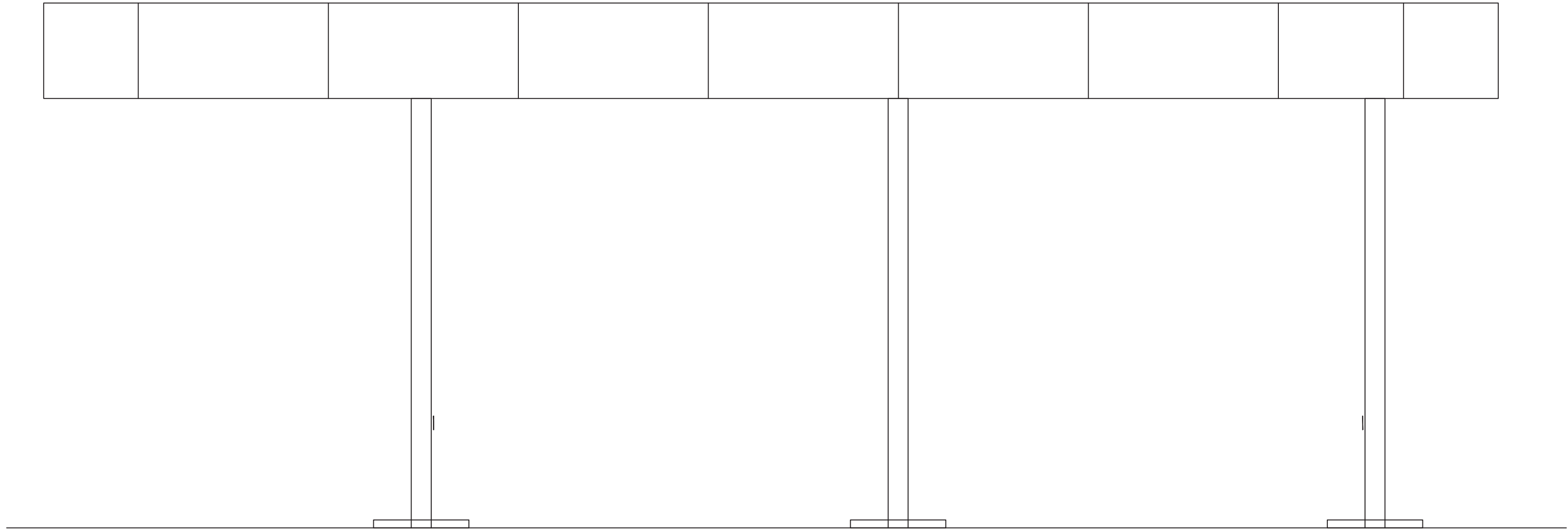


ELEVATION
SCALE: 1/4" = 1'-0"

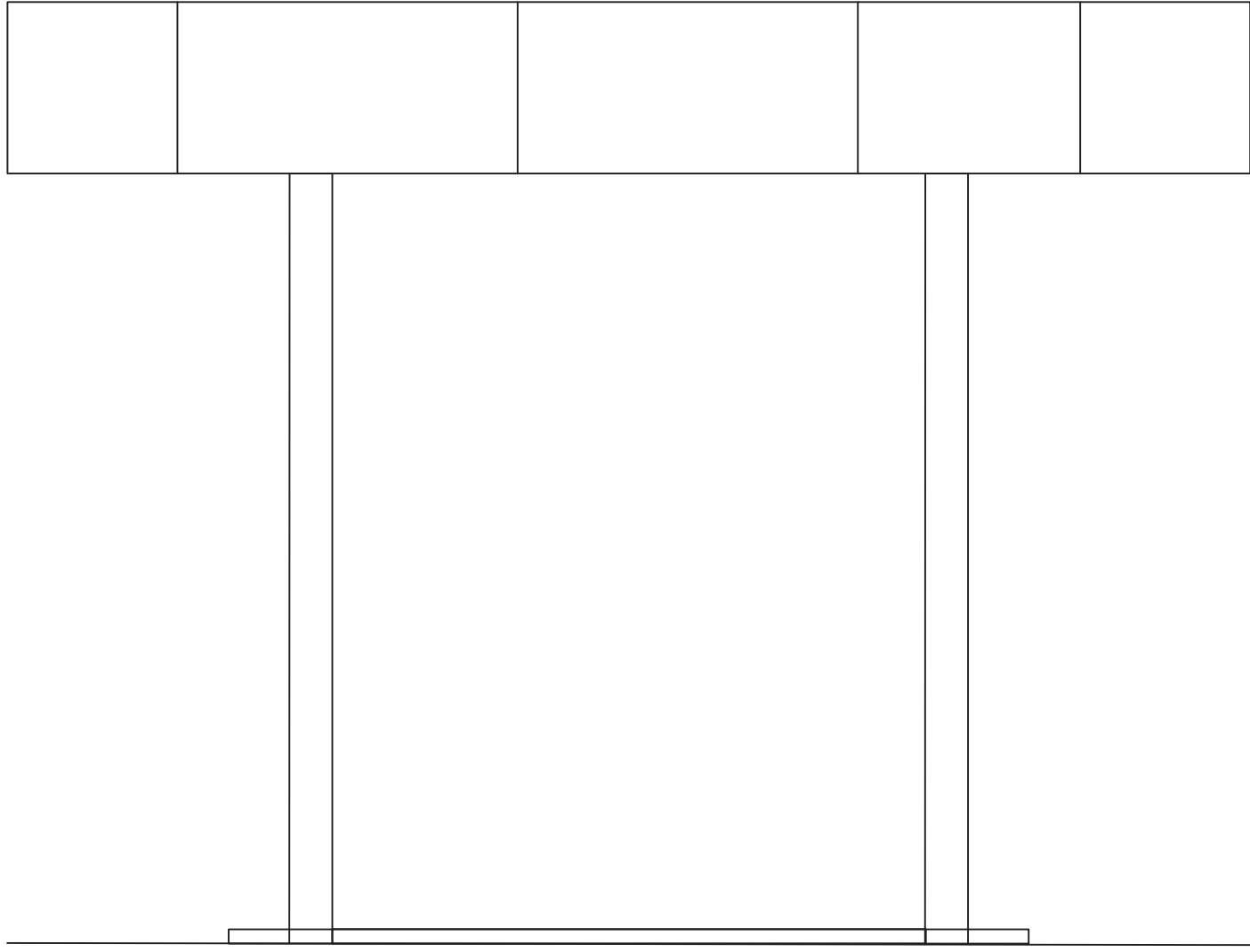


TYP. FASCIA JOINT DETAIL

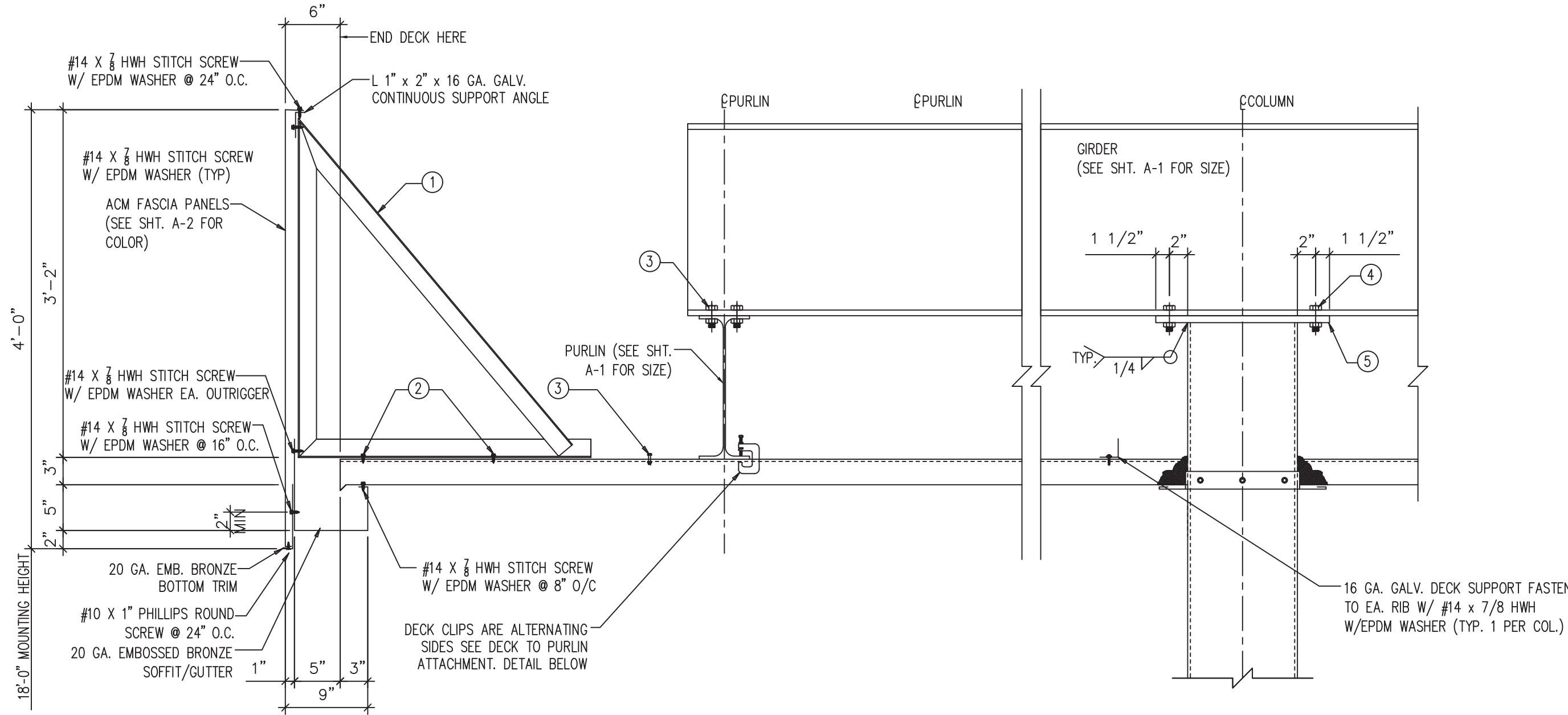
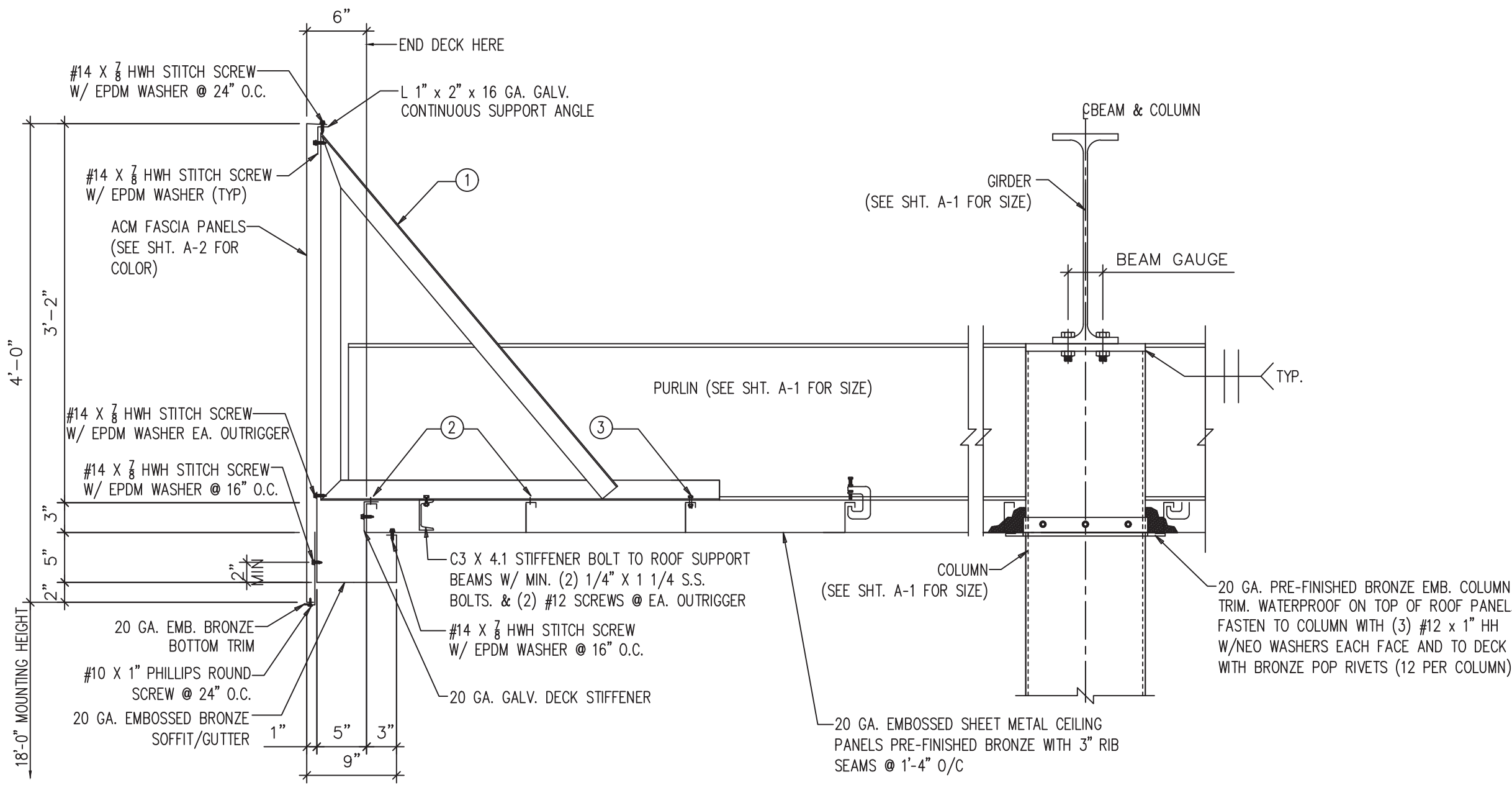
ERECTOR NOTE:
* = LONG AND NEEDS TO
BE FIELD CUT TO LENGTH



ELEVATION
SCALE: 1/4" = 1'-0"



PROJECT		DESCRIPTION		DATE	REV.	BY
MADISON INDUSTRIES MADISON INDUSTRIES, INC. CORPORATE OFFICE CALIFORNIA 17201 Darwin Avenue 2961 W. MacArthur Blvd. Hesperia, CA 92345 562.484.5099 San Jose, CA 95128 562.484.5099 GEORGIA 1035 IIS Drive Conyers, GA 30094 770.483.4401		RACEWAY #1663			1	
		29'-0" X 61'-0"				
		(6) COLUMN EDO CANOPY				
		ELEVATIONS				
		LOCATION				
500 MERIWETHER ROAD NW		MILLEDGEVILLE, GA. 31061				
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SECTION

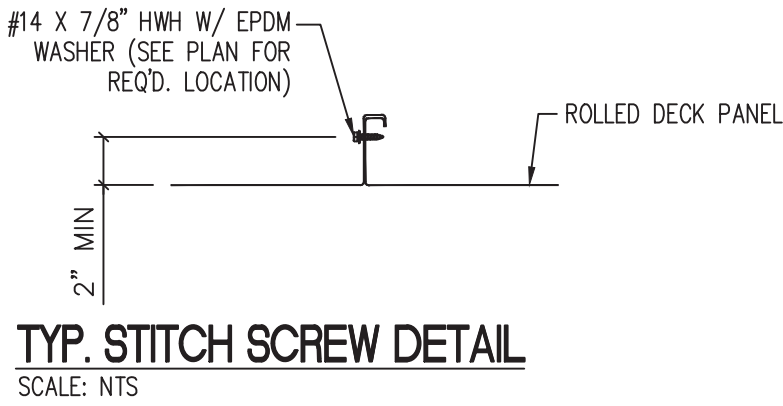
(FROM SHEET A-1)
SCALE: 1" = 1'-0"

S1

SECTION

(FROM SHEET A-1)
SCALE: 1" = 1'-0"

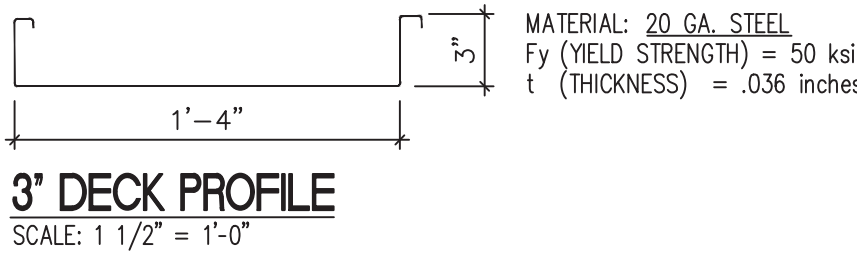
S2



DETAIL

(FROM SHEET A-1)

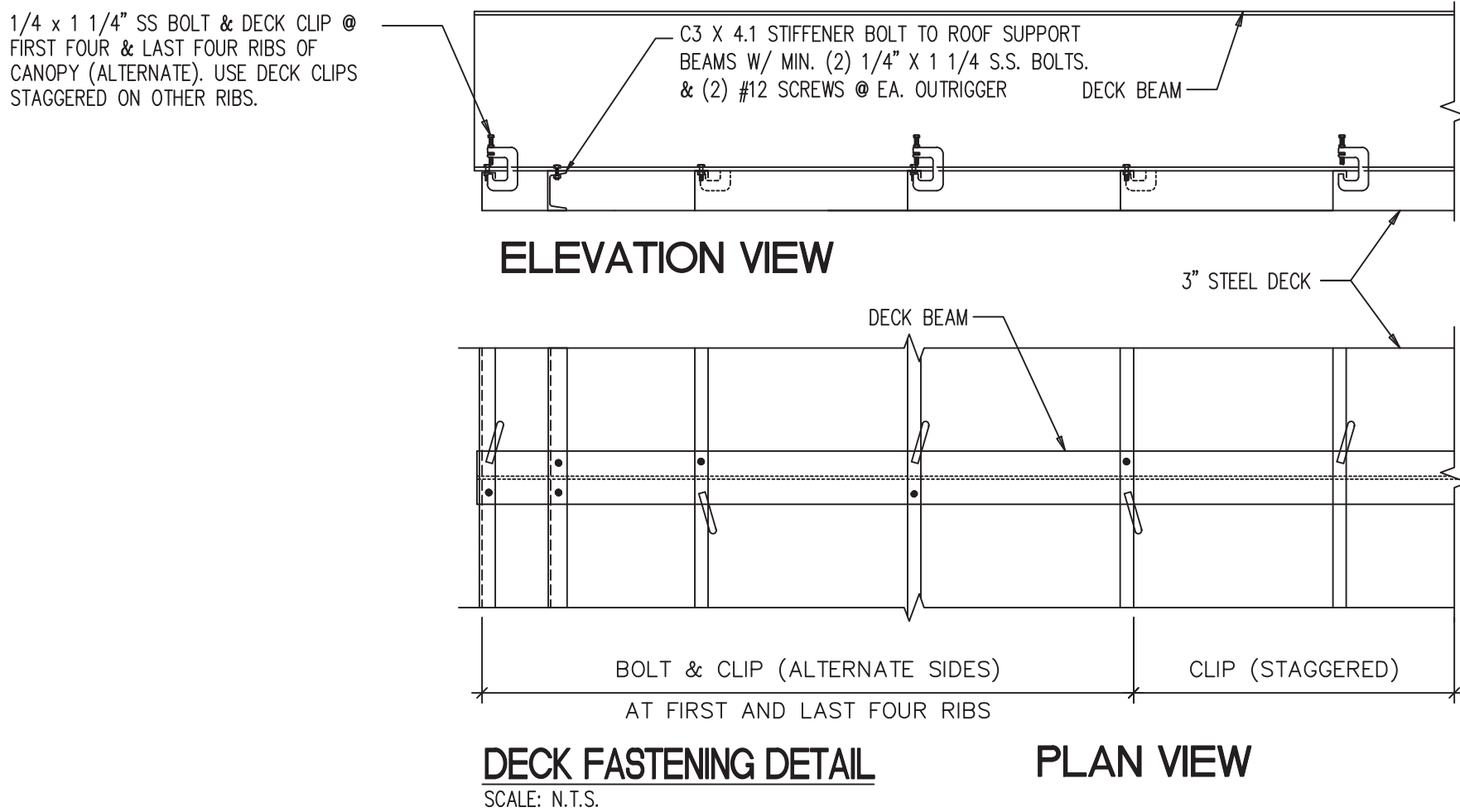
D1



DETAIL

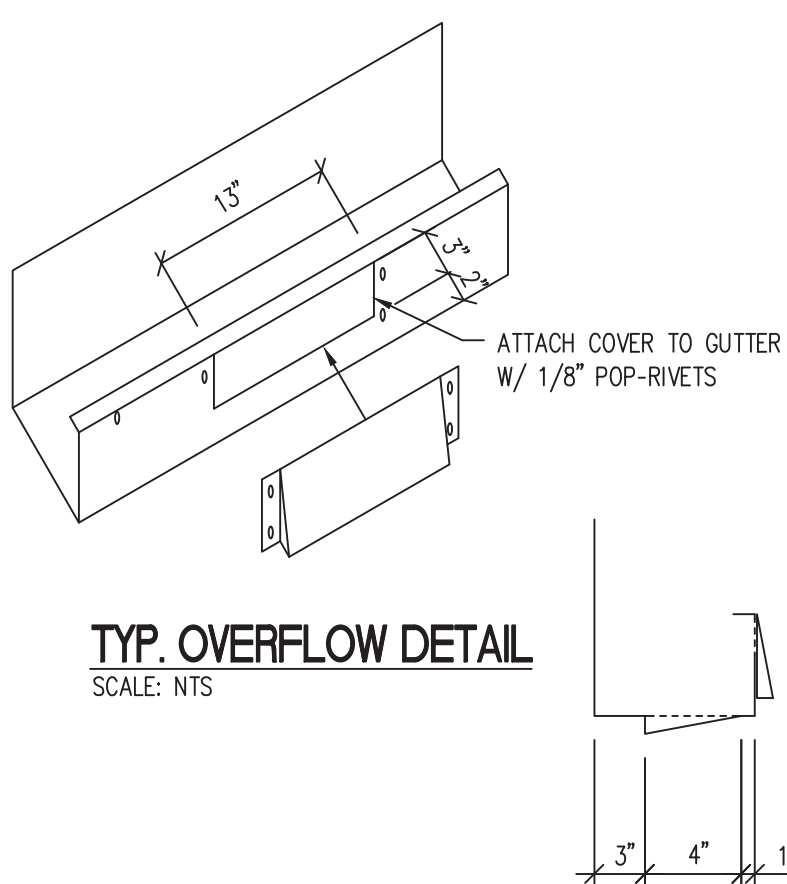
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D2

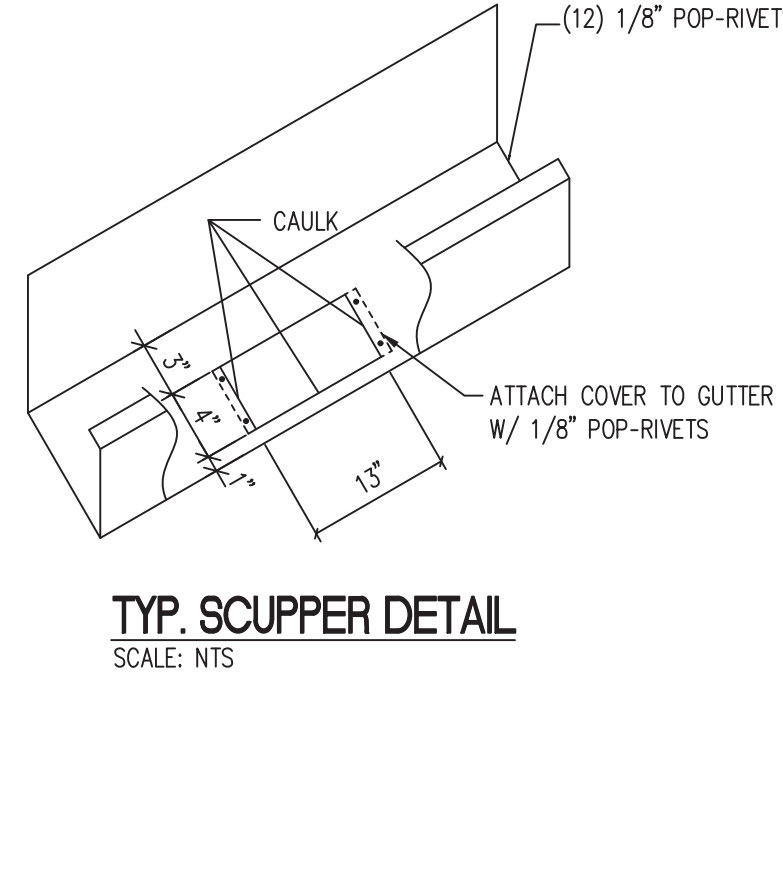


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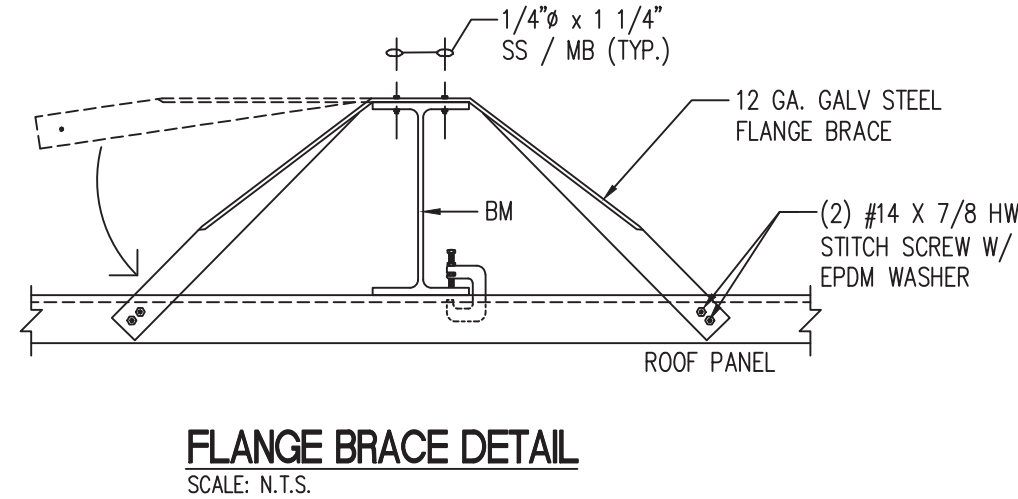
D3



TYP. OVERFLOW DETAIL
SCALE: NTS



TYP. SCUPPER DETAIL
SCALE: NTS



FLANGE BRACE DETAIL
SCALE: N.T.S.

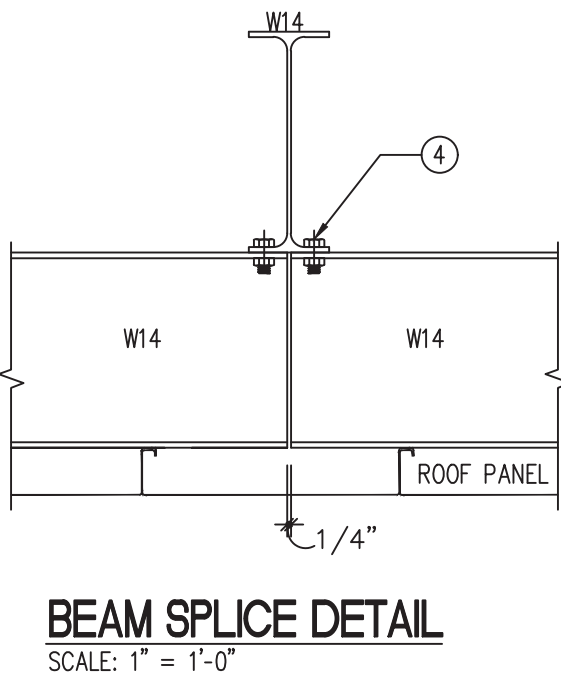
(FROM SHEET A-1)

D4

DETAIL

(FROM SHEET A-1)

D5



BEAM SPLICE DETAIL
SCALE: 1" = 1'-0"

DETAIL

(FROM SHEET A-1)

D6

SCHEDULE

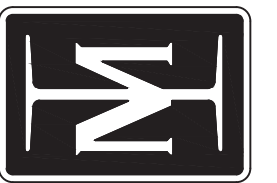
MARK	ITEM	DESCRIPTION	QTY.
①	OUTRIGGER	L 2"x2"x16 GA. GALVANIZED SHEET METAL @ 4'-0" O.C.	44
②	OUTRIGGER FASTENER	(2) #14 X 7/8 HHW W/ EPDM WASHER PER OUTRIGGER	88
③	OUTRIGGER FASTENER	(1) 1/4"Ø x 1 1/4" SS M. BOLTS PER OUTRIGGER	44
④	GIRDER TO PURLIN CONNECTION	(4) 3/4"Ø x 1 3/4" A307 M. BOLTS	48
⑤	GIRDER TO COLUMN CONNECTION	(4) 3/4"Ø x 2 1/2" A307 M. BOLTS	24
⑥	COLUMN CAP PLATE	PLATE 3/4" x 12" x 1'-7"	6

REV.	DATE	DESCRIPTION	BY
1			

PROJECT	RACEWAY #1663 29'-0" X 61'-0" (6) COLUMN EDO CANOPY SECTIONS AND DETAILS
LOCATION	500 MERIWETHER ROAD NW MILLEDGEVILLE, GA. 31061

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PROFESSIONAL ENGINEER	
MODEL No.	
SCALE	
DRAWN BY MH	DATE 5/16/24
CHECKED BY DD	DATE 5/16/24
MI ENGINEER JFB	DATE 5/15/24
DRWG. No.	
A-3	
SHEET 5	OF 5
JOB No.	
WGA09902-2	