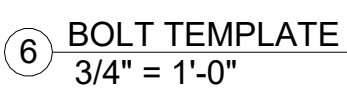
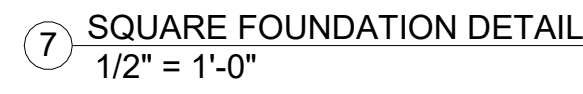


FOOTING NOTES

1. OWNER / GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR FOOTING AND ANCHOR BOLT INSTALLATION.
2. ALL FOOTINGS SHALL BE CAST ON LEVEL UNDISTURBED SOIL, ROCK OR PROPERLY COMPACTED STRUCTURAL FILL. BOTTOM OF FOOTING TO BE ABOVE WATER TABLE. FOOTING SIZE BASED ON MINIMUM 1500 PSF SOIL BEARING CAPACITY AT BASE AND 150 PSF PER FOOT OF DEPTH LATERAL BEARING CAPACITY. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL SOIL PARAMETERS.
3. ALLOWABLE SOIL BEARING INDICATED IN NOTE 2 ABOVE BASED ON FOUNDATIONS BEARING IN UNDISTURBED SOIL OR PROPERLY PREPARED / COMPACTED STRUCTURAL FILL.
4. FOOTING CONCRETE SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 3000 PSI.
5. TOPS OF ALL FOOTINGS ARE ASSUMED TO BE AT SAME ELEVATION. OWNER / GENERAL CONTRACTOR SHALL PROVIDE BURIAL DEPTH FROM HIGH GRADE UNDER CANOPY. WHERE TOPS OF FOOTINGS ARE AT DIFFERENT ELEVATIONS, THE OWNER / GENERAL CONTRACTOR SHALL PROVIDE THE CANOPY MANUFACTURER WITH ALL FOOTING AND GRADE ELEVATIONS FOR CANOPY FABRICATION. VARIATIONS FROM DESIGN ELEVATIONS MAY RESULT IN INADEQUATE CLEARANCE AND UNDER SIZED FOOTINGS.
6. OWNER / GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR PLACING NON-SHRINK GROUT UNDER ALL COLUMN BASES AFTER CANOPY IS LEVELED AND SECURED.
7. FOOTING REINFORCING STEEL SHALL BE ASTM A615 GRADE 60 DEFORMED BILLET STEEL BARS WITH SPACING AS SHOWN ON DRAWING.
8. FOUNDATIONS ARE ASSUMED TO BE CONSTRAINED BY DRIVE MAT CONCRETE. WHERE THIS CONDITION DOES NOT EXIST, THE OWNER SHALL NOTIFY CANOPY MANUFACTURER.
9. ANCHOR RODS SHALL BE PLACED IN ACCORDANCE WITH THIS DRAWING. TEMPLATES SHALL BE USED TO ENSURE PROPER PLACEMENT OF ANCHOR RODS. ANCHOR RODS ARE TO BE INSTALLED SUCH THAT A MINIMUM OF 7" OF THREAD IS EXPOSED ABOVE TOP OF FOOTING. BOTTOM OF THREADS SHALL NOT END MORE THAN 3/4" ABOVE TOP OF FOOTER.

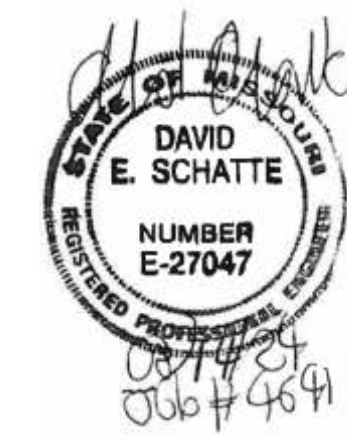






DESCRIPTION  
BY  
DATE  
REV.

REVISION HISTORY



DAVID E. SCHATTE, PE  
10609 99TH STREET  
OVERLAND PARK, KS 66214  
LICENSE # E-27047



1019 E. North Street  
Ottawa, Kansas 66067  
Phone: 785.242.8111

THESE PLANS ARE SUBJECT TO  
FEDERAL COPYRIGHT LAWS  
ANY USE OF SAME WITHOUT THE  
EXPRESS WRITTEN PERMISSION  
OF FASHION INC. IS PROHIBITED

SITE:

WATERWAY  
XPT CANOPY  
LEE'S SUMMIT, MO

16'-6" x 64'-6" (3) COLUMN CANOPY

ISSUE DATE: 8/13/24 DRAWN BY: TJH CHECKED BY: DES

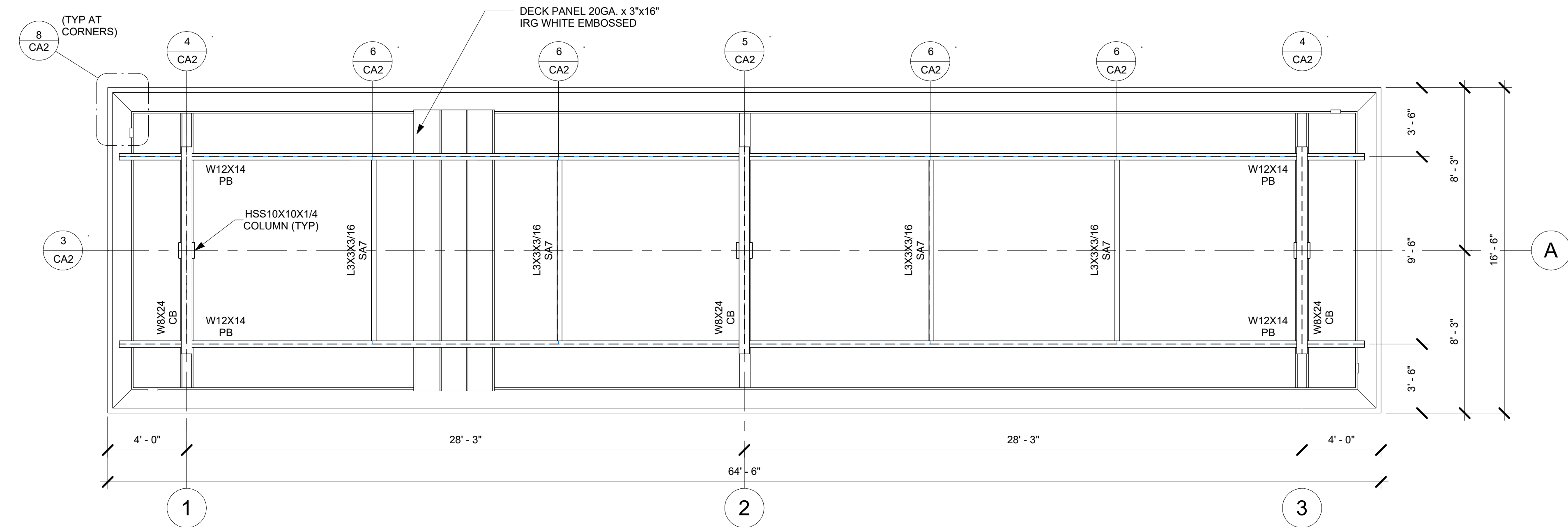
JOB NUMBER: 464110

SHEET TITLE:

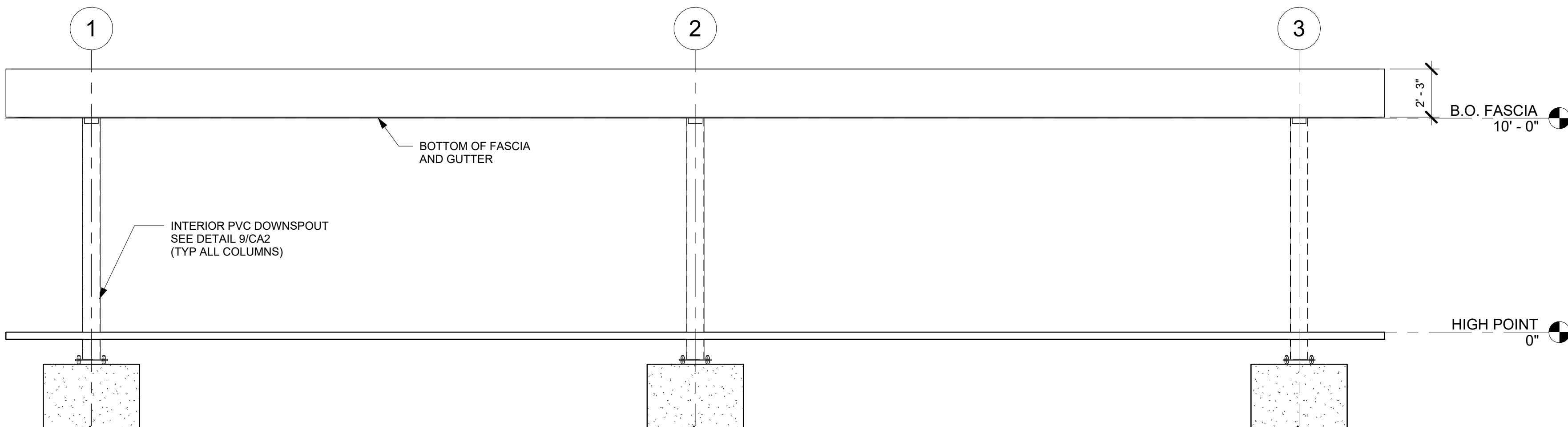
FRAMING PLAN

SHEET NUMBER:

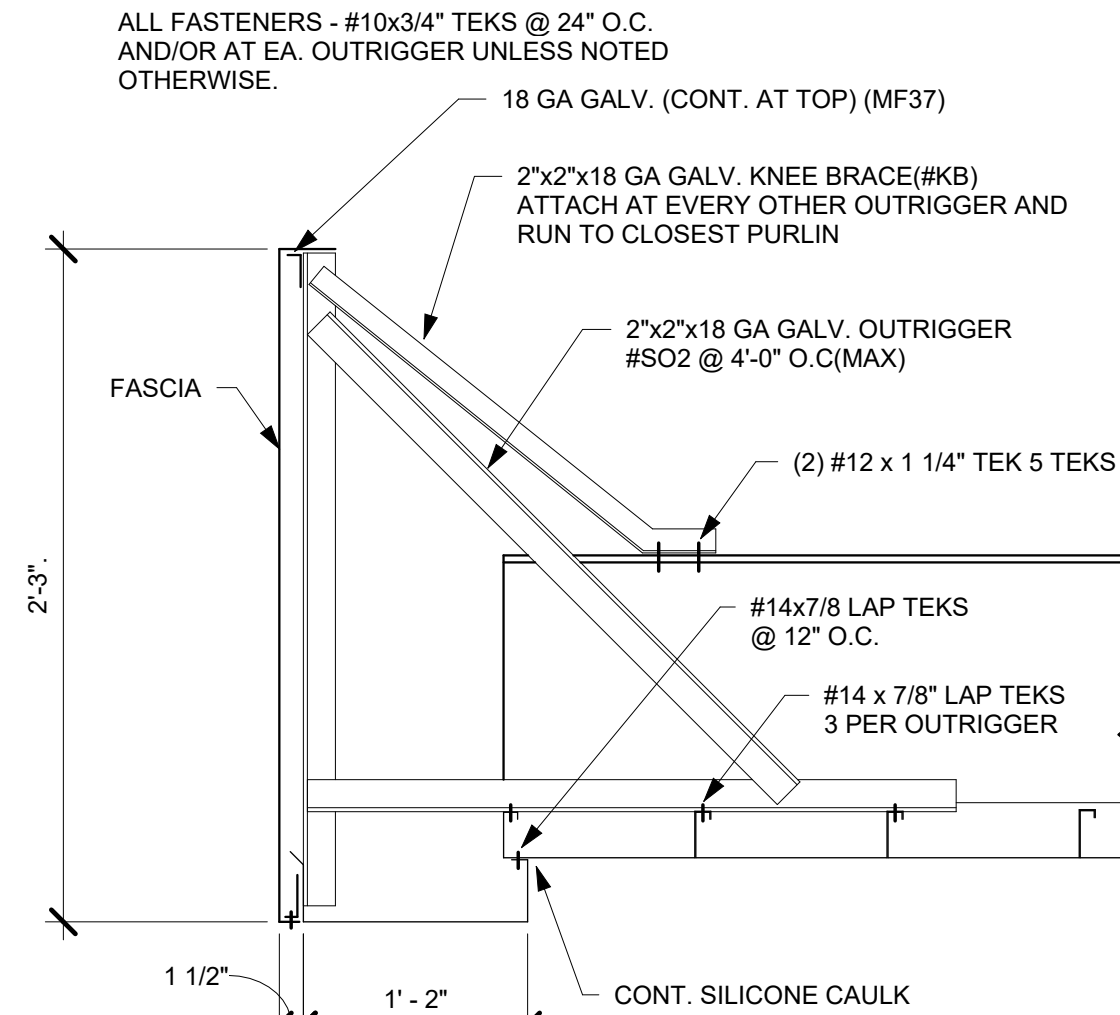
CA2



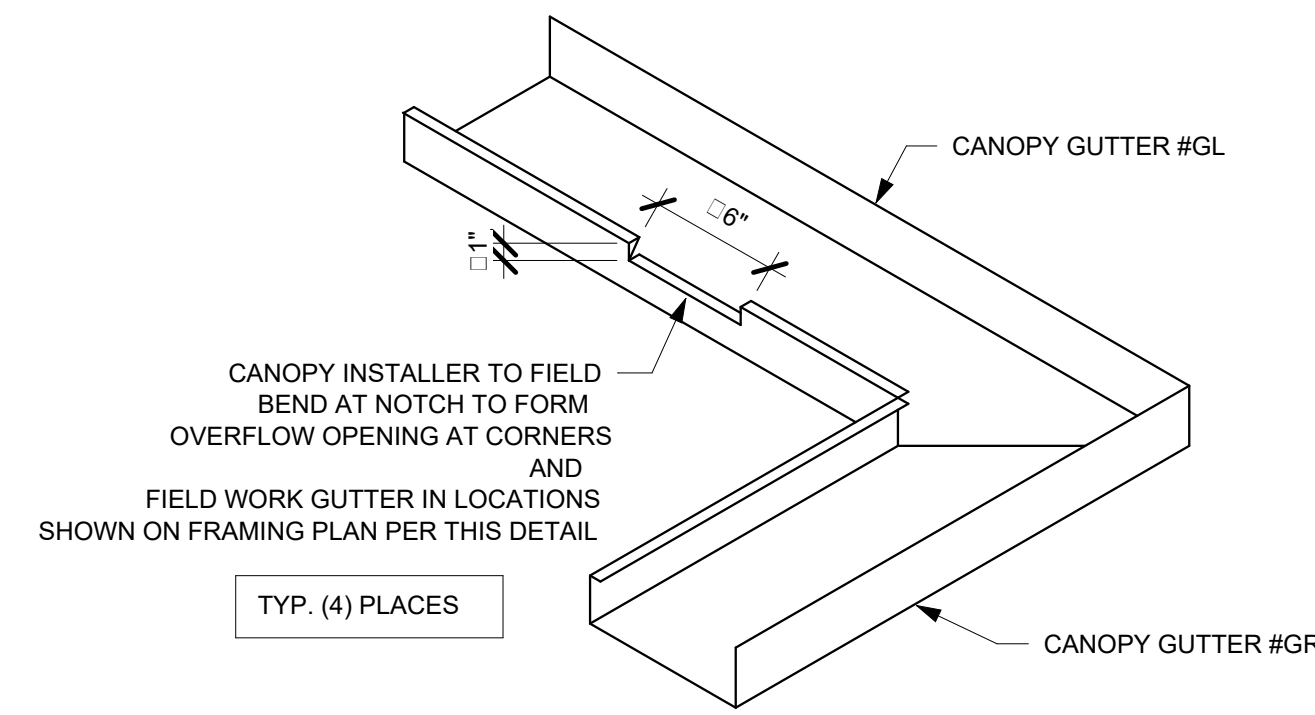
1 FRAMING PLAN  
1/4" = 1'-0"



2 FRONT  
1/4" = 1'-0"



7 TYP. 1 1/2 ACM FASCIA SECTION  
1" = 1'-0"



8 G2 SECONDARY OVERFLOW DETAIL  
3/4" = 1'-0"

STEEL NOTES  
1. DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE LATEST AISC SPECIFICATIONS. DESIGN, FABRICATION AND ERECTION OF COLD FORMED STEEL SECTIONS SHALL CONFORM TO THE LATEST AISI SPECIFICATIONS.  
2. STRUCTURAL MATERIALS:  
WIDE FLANGE SECTIONS - ASTM A992 OR A572 GRADE 50 (Fy = 50 KSI)  
ANGLES / CHANNELS - ASTM A36 (Fy = 36 KSI)  
HOLLOW STRUCTURAL SECTIONS (TUBE) - ASTM A500 GRADE B (Fy = 46 KSI)  
PIPE SECTIONS - ASTM A53, GRADE B (Fy = 35 KSI)  
PLATE - ASTM A36 (Fy = 36 KSI)  
ROOF DECK - ASTM A653, GRADE 50 (Fy = 50 KSI), GALVANIZED (G60) WITH FULL COAT OF POLYESTER PAINT BAKED ON OVER AN EPOXY PRIMER  
STEEL OUTRIGGERS - ASTM A653 GR. CS (Fy = 25 KSI), GALVANIZED (G90) PER ASTM 924  
STRUCTURAL BOLTS - ASTM F3125 GR A325  
ANCHOR BOLTS - ASTM F1554 GR. 55 (Fy = 55 KSI)  
3. WELDING OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH LATEST ANSI / AWS D1.1  
4. FIELD CONNECTIONS SHALL BE BOLTED CONNECTIONS UNLESS SPECIFIED ON DRAWING.  
5. ALL STRUCTURAL BOLTED CONNECTIONS SHALL USE ASTM F3125 GR A325 BOLTS. BOLTED JOINTS SHALL BE TIGHTENED TO SNUG TIGHT PER LATEST RCSC SPECIFICATION.  
6. STRUCTURAL STEEL SHALL BE SHOP COATED WITH A RED-OXIDE RUST INHIBITIVE PRIMER. FIELD TOUCH-UP, FINISH PAINTING, AND MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE OWNER (UNLESS OTHERWISE SPECIFIED).  
7. DESIGN LOADS PER ASCE7-16 AND 2018 IBC:

RISK CATEGORY II

ROOF LIVE LOAD = 20 PSF (ERECTION & MAINTENANCE ONLY - NO PUBLIC ACCESS)

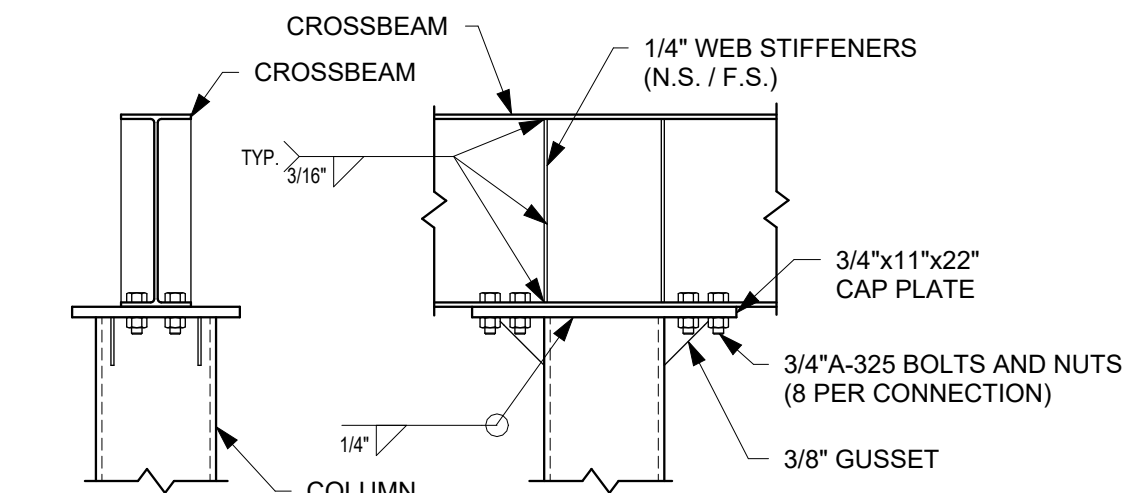
FLAT ROOF SNOW LOAD = 25 PSF  
BASED ON GROUND SNOW LOAD = 25 PSF  
Is = 1.0; C1 = 1.2; Ce = 1.0

WIND LOADS:  
LATERAL = +/- 25 PSF (MWFRS)(USING 0.6 W FOR ASD)  
UPLIFT = +/- 20 PSF (MWFRS)(USING 0.6 W FOR ASD)  
BASED ON 120 MPH ULTIMATE WIND SPEED PER ASCE 7 EXPOSURE "B"  
IMPORTANCE FACTOR = 1.0; OPEN STRUCTURE, NO INTERNAL PRESSURE

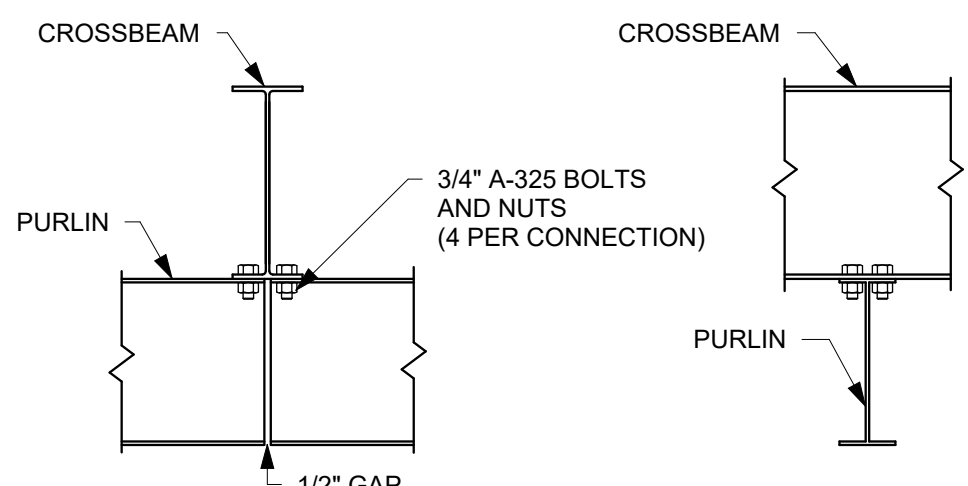
SEISMIC LOADS:  
SEISMIC RISK CATEGORY II, SITE CLASS "D", SEISMIC DESIGN CATEGORY "B"  
Sds = 0.11G (Ss = 0.10G, Fa = 1.6), Sd1 = 0.11G (S1 = 0.07G, Fv = 2.4)  
SEISMIC FORCE RESISTING SYSTEM IS INVERTED PENDULUM CANTERLEVERED COLUMN, R = 2.0  
Cs = 0.055 DESIGN BASE SHEAR, Cs x W = 0.36K/COLUMN USING EQUIVALENT LATERAL FORCE PROCEDURE

DEAD LOADS:  
DECK / GUTTER / LIGHTS - 5 PSF  
FASCIA - 10 PLF  
STRUCTURAL STEEL - SELF WT  
CONCRETE - 145 PCF

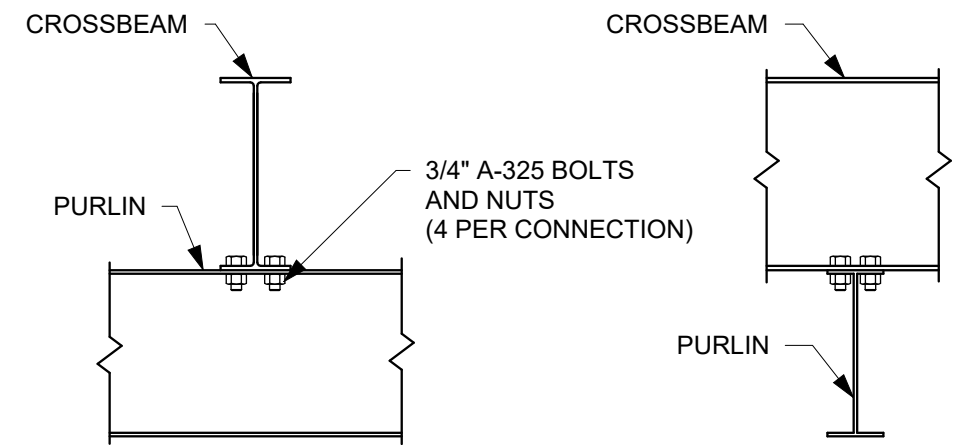
8. CANOPY USE GROUP "M" / CONSTRUCTION TYPE II-B



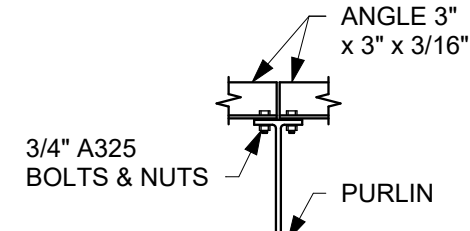
3 S10 - CB TO CL 8 BOLT W/ GUSSETS  
3/4" = 1'-0"



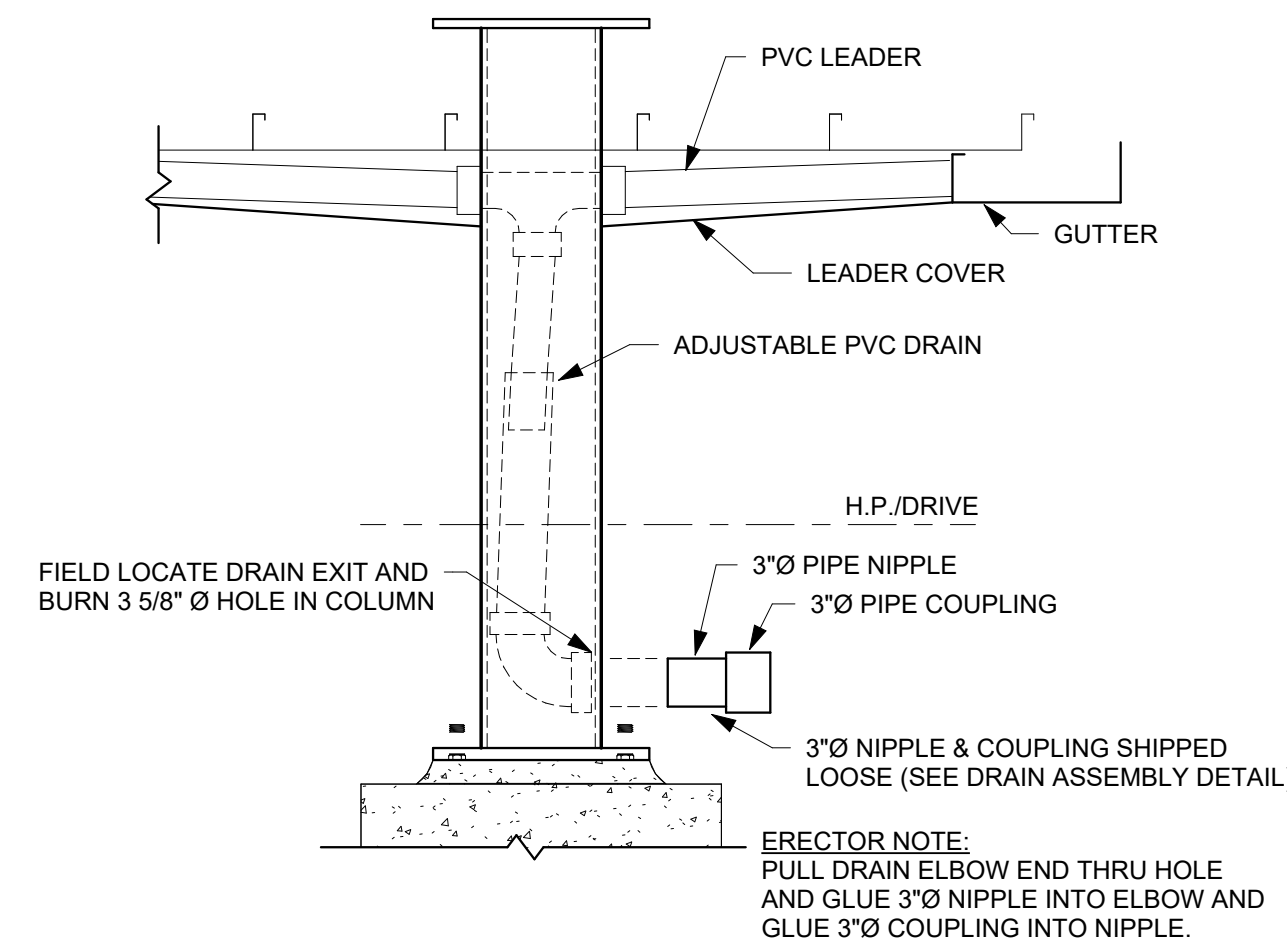
5 S24 CB TO PB  
3/4" = 1'-0"



4 S20 CB TO PB  
3/4" = 1'-0"

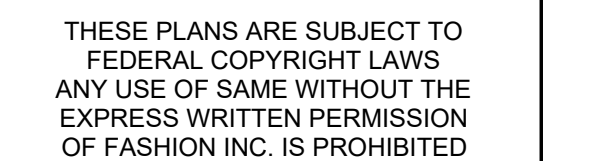
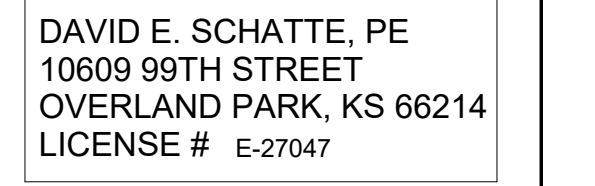


6 S30 ANGLE BRACE  
3/4" = 1'-0"



9 G9 DRAIN DETAIL (BELOW GRADE)  
3/4" = 1'-0"

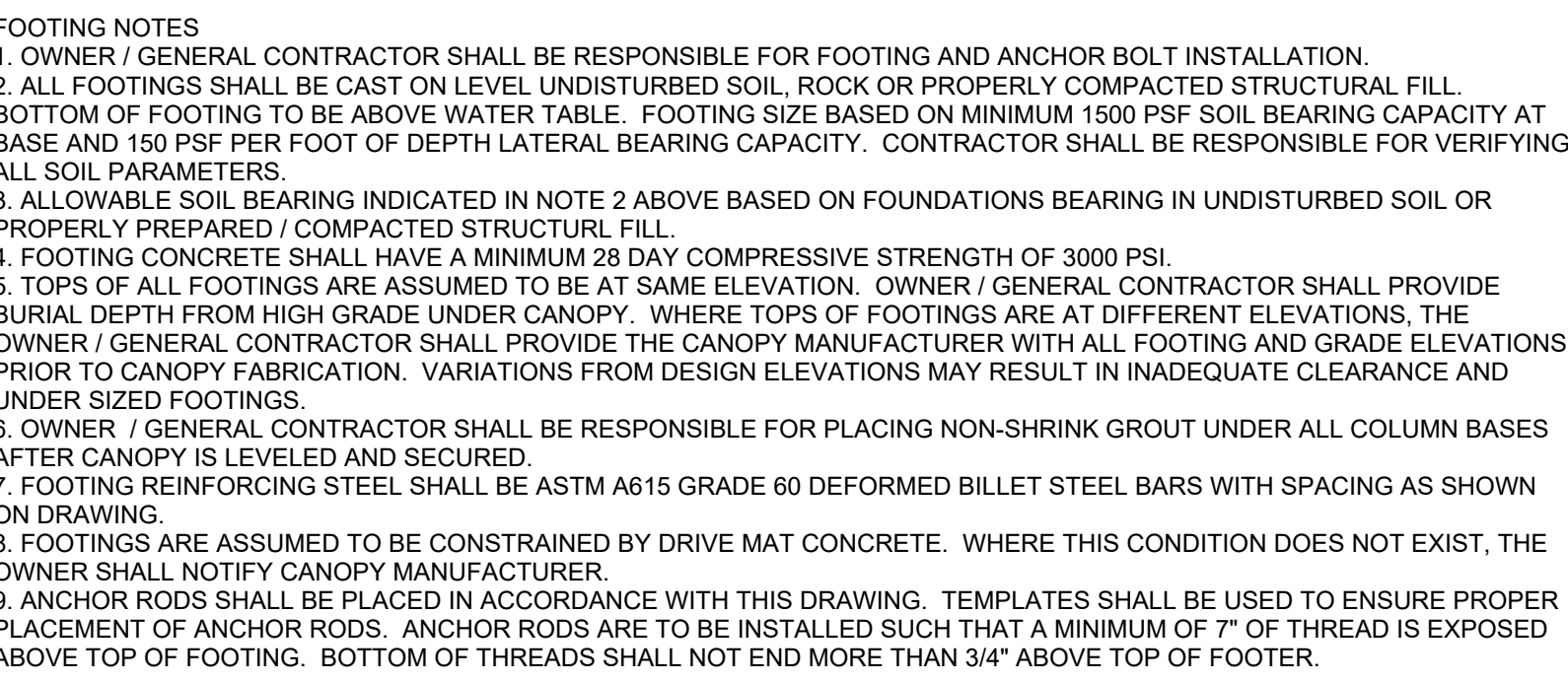
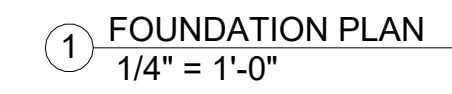




23' x 80' (3) COLUMN CANOPY

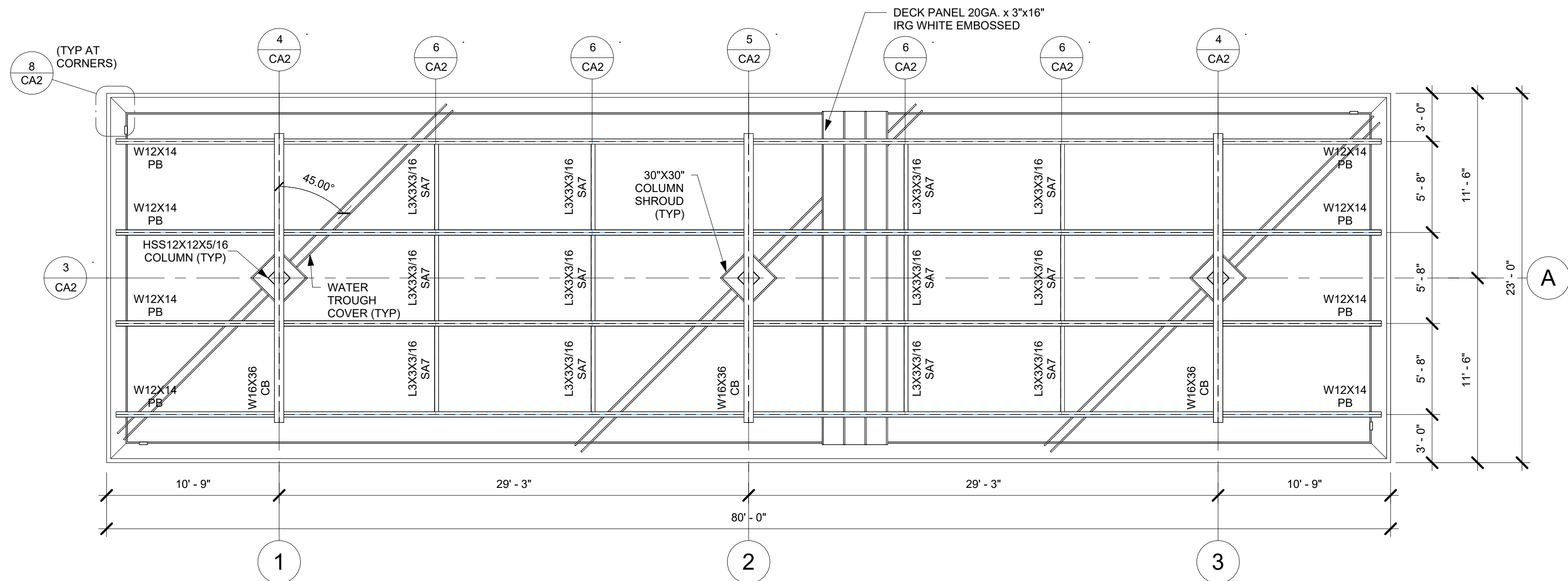
JOB NUMBER:	464100
-------------	--------

FOUNDATION PLAN

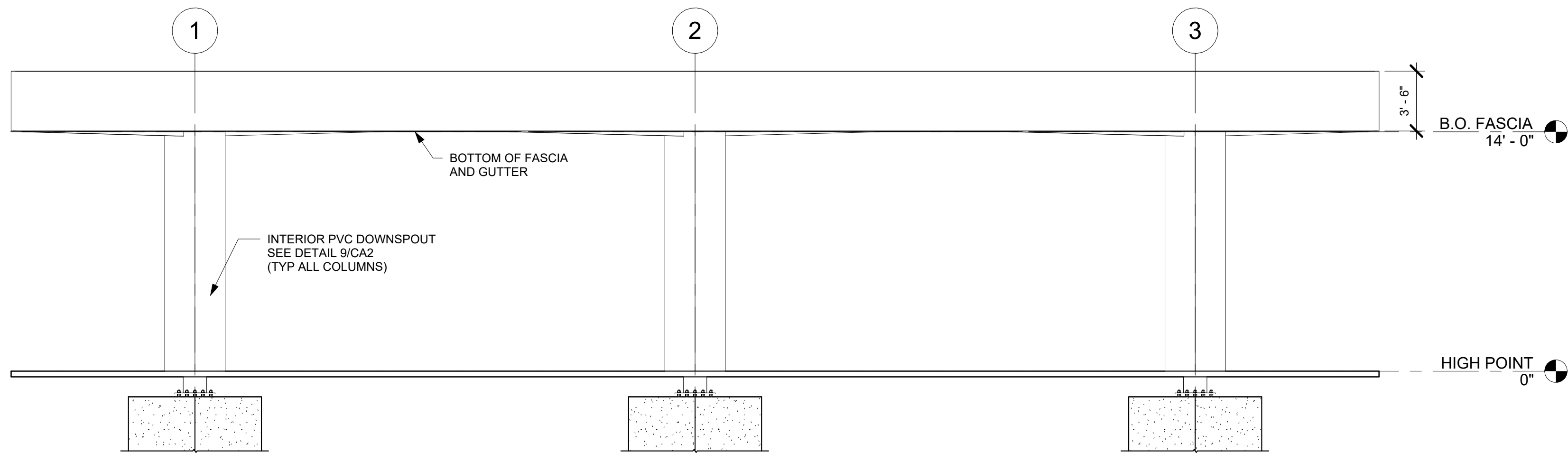
[illegible]

6 BOLT TEMPLATE  
3/4" = 1'-0"

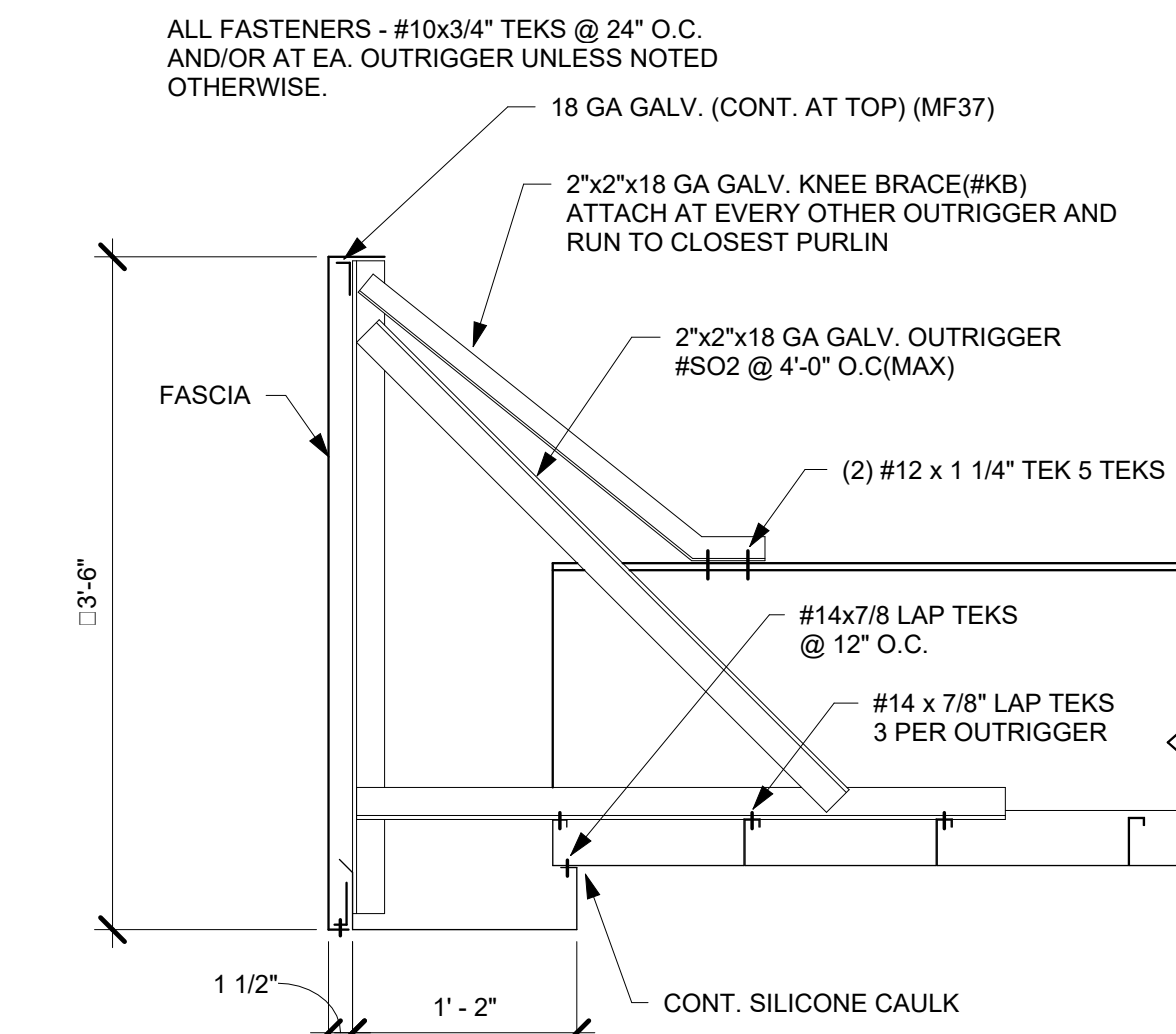




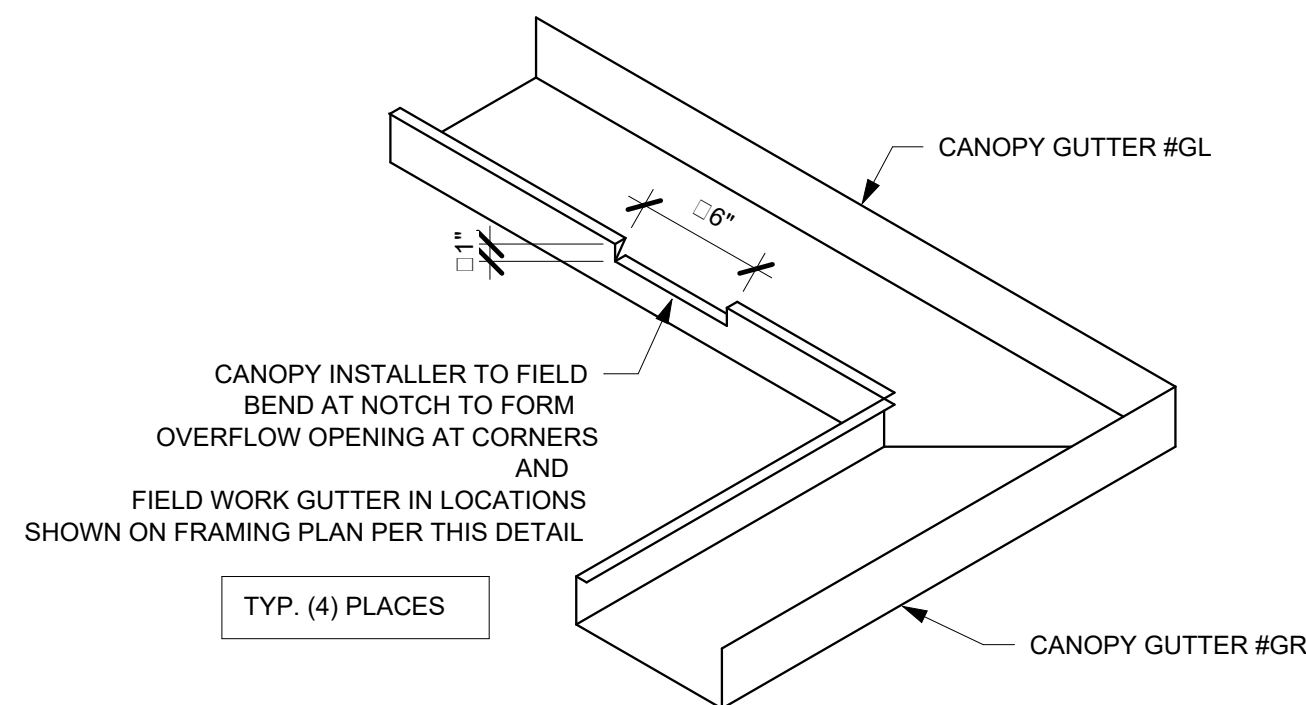
1 FRAMING PLAN  
3/16" = 1'-0"



2 FRONT  
3/16" = 1'-0"



7 TYP. 1 1/2 ACM FASCIA SECTION  
1" = 1'-0"



8 G2 SECONDARY OVERFLOW DETAIL  
3/4" = 1'-0"

STEEL NOTES  
1. DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL SHALL CONFORM TO THE LATEST AISC SPECIFICATIONS. DESIGN, FABRICATION AND ERECTION OF COLD FORMED STEEL SECTIONS SHALL CONFORM TO THE LATEST AISI SPECIFICATIONS.  
2. STRUCTURAL MATERIALS:  
WIDE FLANGE SECTIONS - ASTM A992 OR A572 GRADE 50 (Fy = 50 KSI)  
ANGLES / CHANNELS - ASTM A36 (Fy = 36 KSI)  
HOLLOW STRUCTURAL SECTIONS (TUBE) - ASTM A500 GRADE B (Fy = 46 KSI)  
PIPE SECTIONS - ASTM A53, GRADE B (Fy = 35 KSI)  
PLATE - ASTM A36 (Fy = 36 KSI)  
ROOF DECK - ASTM A653, GRADE 50 (Fy = 50 KSI), GALVANIZED (G60) WITH FULL COAT OF POLYESTER PAINT BAKED ON OVER AN EPOXY PRIMER  
STEEL OUTRIGGERS - ASTM A653 GR. CS (Fy = 25 KSI), GALVANIZED (G90) PER ASTM 924  
STRUCTURAL BOLTS - ASTM F3125 GR A325  
ANCHOR BOLTS - ASTM F1554 GR. 55 (Fy = 55 KSI)  
3. WELDING OF STRUCTURAL STEEL SHALL BE IN ACCORDANCE WITH LATEST ANSI / AWS D1.1  
4. FIELD CONNECTIONS SHALL BE BOLTED CONNECTIONS UNLESS SPECIFIED ON DRAWING.  
5. ALL STRUCTURAL BOLTED CONNECTIONS SHALL USE ASTM F3125 GR A325 BOLTS. BOLTED JOINTS SHALL BE TIGHTENED TO SNUG TIGHT PER LATEST RCSC SPECIFICATION.  
6. STRUCTURAL STEEL SHALL BE SHOP COATED WITH A RED-OXIDE RUST INHIBITIVE PRIMER. FIELD TOUCH-UP, FINISH PAINTING, AND MAINTENANCE SHALL BE THE RESPONSIBILITY OF THE OWNER (UNLESS OTHERWISE SPECIFIED).  
7. DESIGN LOADS PER ASCE7-16 AND 2018 IBC:

RISK CATEGORY II

ROOF LIVE LOAD = 20 PSF (ERECTION & MAINTENANCE ONLY - NO PUBLIC ACCESS)

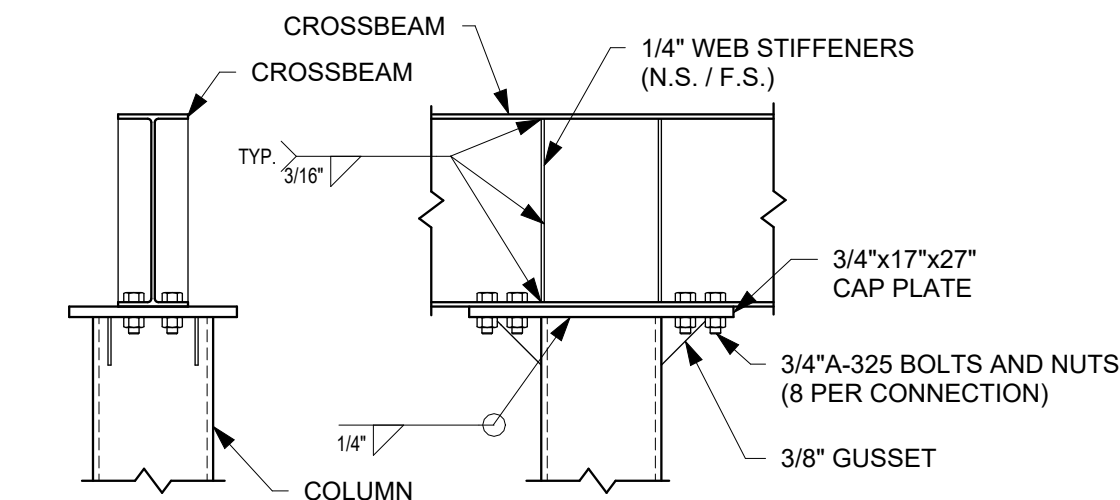
FLAT ROOF SNOW LOAD = 25 PSF  
BASED ON GROUND SNOW LOAD = 25 PSF  
Is = 1.0; Ct = 1.2; Ce = 1.0

WIND LOADS:  
LATERAL = +/- 25 PSF (MWFRS)(USING 0.6 W FOR ASD)  
UPLIFT = +/- 20 PSF (MWFRS)(USING 0.6 W FOR ASD)  
BASED ON 120 MPH ULTIMATE WIND SPEED PER ASCE 7 EXPOSURE "B"  
IMPORTANCE FACTOR = 1.0; OPEN STRUCTURE, NO INTERNAL PRESSURE

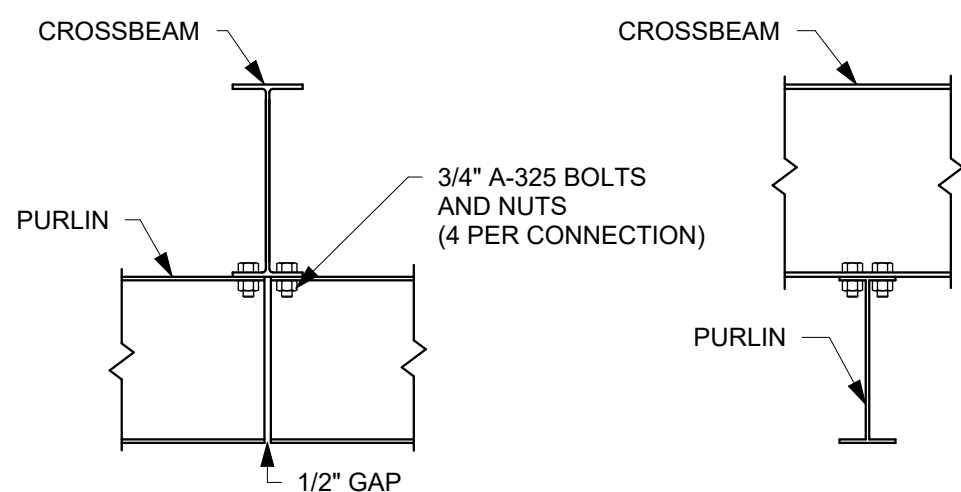
SEISMIC LOADS:  
SEISMIC RISK CATEGORY II, SITE CLASS "D", SEISMIC DESIGN CATEGORY "B"  
Sds = 0.11G (Ss = 0.10G, Fa = 1.6), Sd1 = 0.11G (S1 = 0.07G, Fv = 2.4)  
SEISMIC FORCE RESISTING SYSTEM IS INVERTED PENDULUM CANTERLEVERED COLUMN, R = 2.0  
Cs = 0.055 DESIGN BASE SHEAR, Cs x W = 0.69K/COLUMN USING EQUIVALENT LATERAL FORCE PROCEDURE

DEAD LOADS:  
DECK / GUTTER / LIGHTS - 5 PSF  
FASCIA - 10 PLF  
STRUCTURAL STEEL - SELF WT  
CONCRETE - 145 PCF

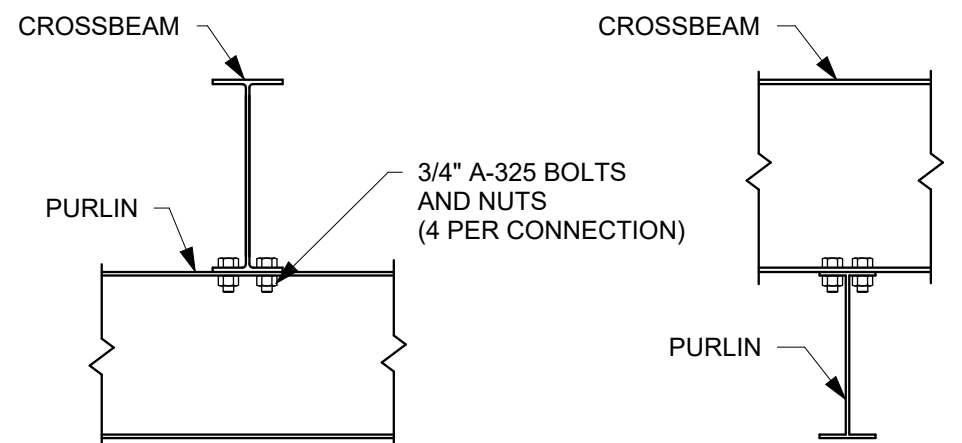
8. CANOPY USE GROUP "M" / CONSTRUCTION TYPE II-B



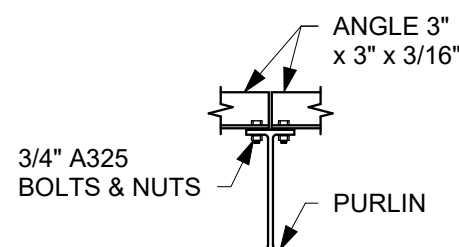
3 S10 - CB TO CL 8 BOLT W/ GUSSETS  
3/4" = 1'-0"



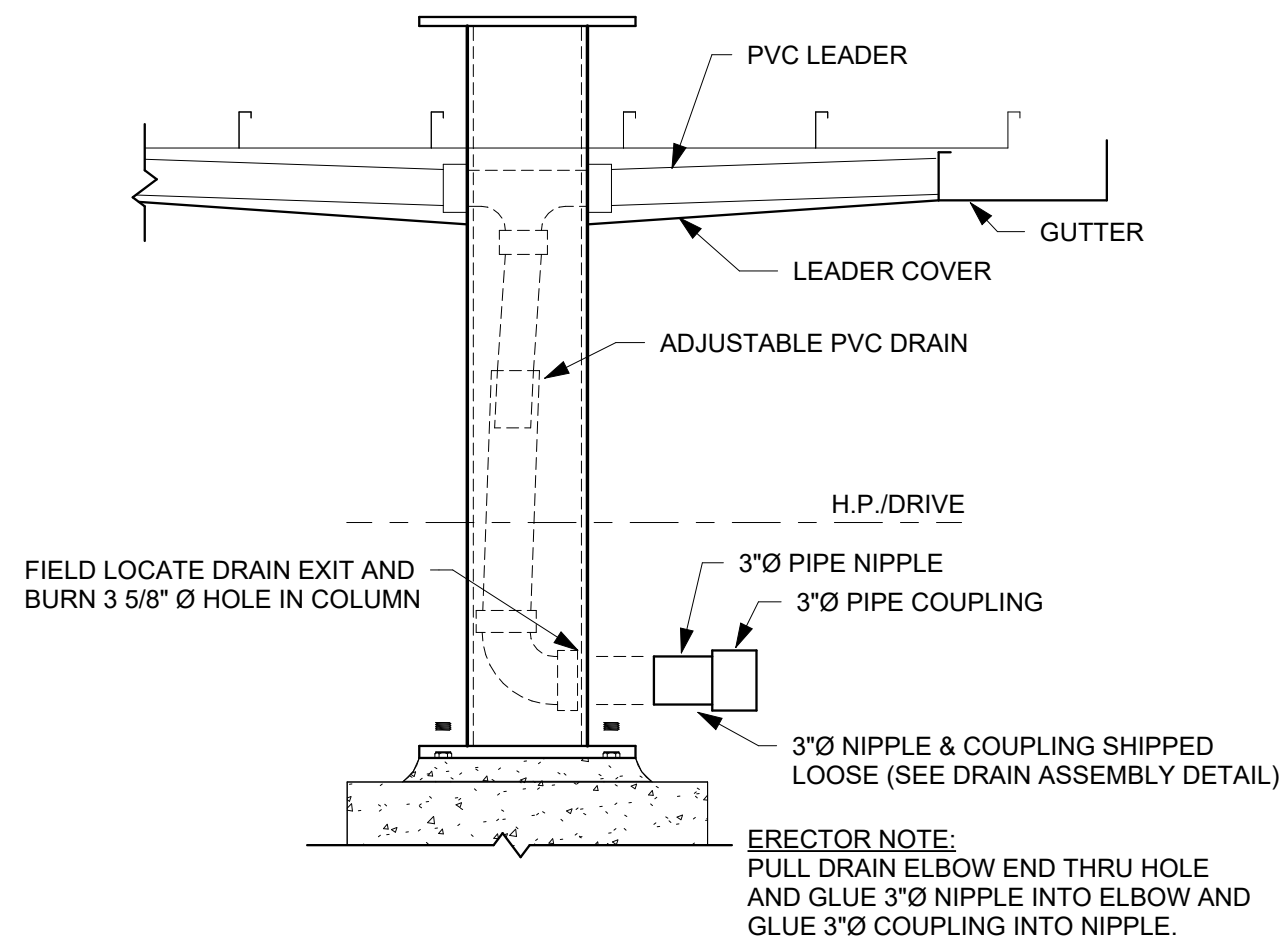
5 S24 CB TO PB  
3/4" = 1'-0"



4 S20 CB TO PB  
3/4" = 1'-0"



6 S30 ANGLE BRACE  
3/4" = 1'-0"



9 G9 DRAIN DETAIL (BELOW GRADE)  
3/4" = 1'-0"

REVISION HISTORY

DATE

BY

REV.



DAVID E. SCHATTE, PE  
10609 99TH STREET  
OVERLAND PARK, KS 66214  
LICENSE # E-27047



1019 E. North Street  
Ottawa, Kansas 66067  
Phone: 785.242.8111

THESE PLANS ARE SUBJECT TO  
FEDERAL COPYRIGHT LAWS  
ANY USE OF SAME WITHOUT THE  
EXPRESS WRITTEN PERMISSION  
OF FASHION INC. IS PROHIBITED

SITE:

WATERWAY  
FUEL CANOPY  
LEE'S SUMMIT, MO

23' x 80' (3) COLUM CANOPY

ISSUE DATE: 8/13/24  
DRAWN BY: TJH  
CHECKED BY: DES

JOB NUMBER: 464100

SHEET TITLE: FRAMING PLAN

SHEET NUMBER: CA2