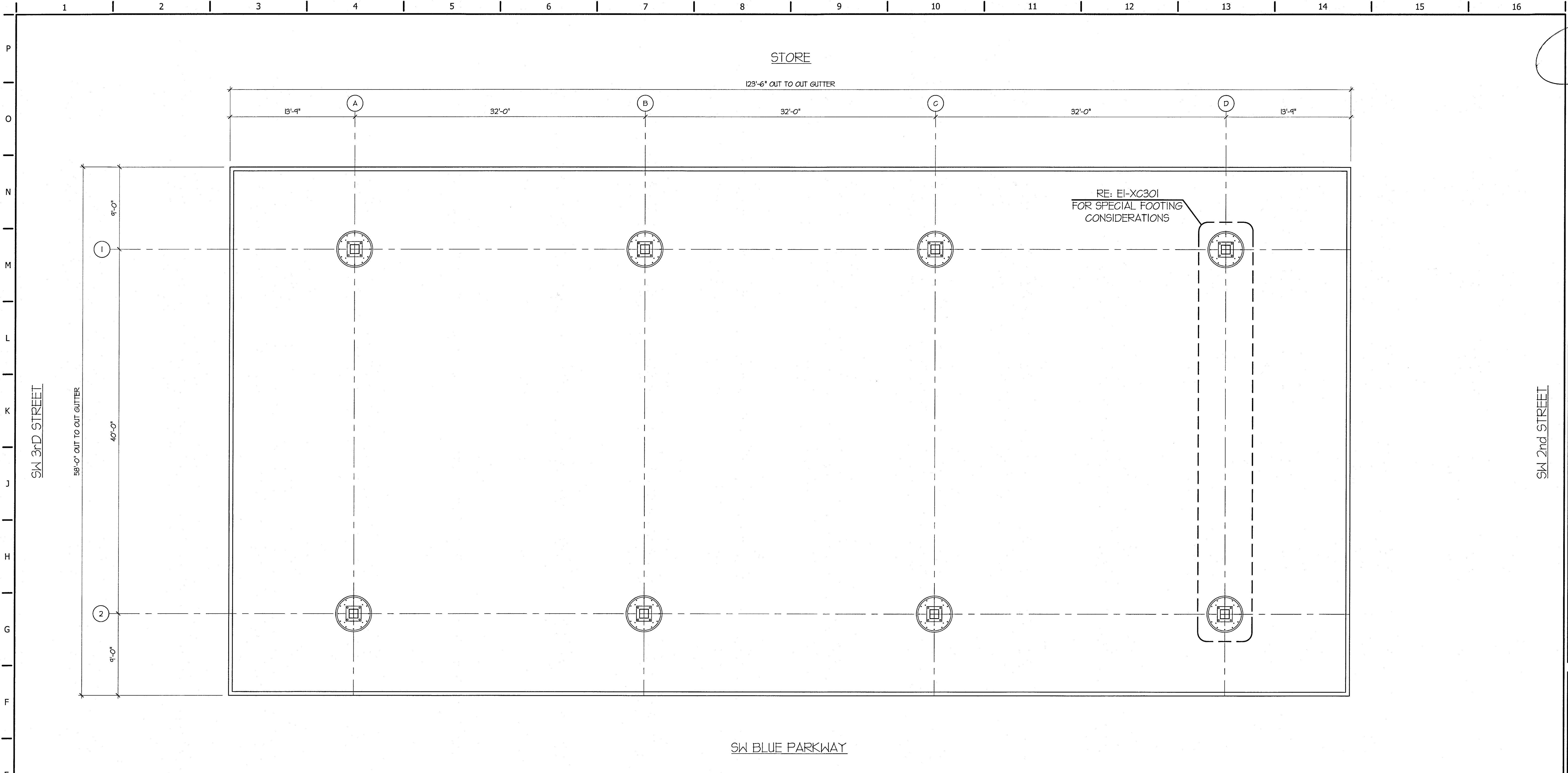




STATE OF MISSOURI
REGISTERED PROFESSIONAL ENGINEER
RICHARD D. CASKEY
E-000184383

C.O.A.: 2001015838

SIGNATURE DATE: 11-22-2024

LANE
SUPPLY, INC.
120 FAIRVIEW
ARLINGTON, TX. 76010
(817) 261-9116

LSC#78950

QuikTrip No. 0183R
1001 SW BLUE PARKWAY
LEE'S SUMMIT, MISSOURI

© 2024 QUIKTRIP CORPORATION. ALL RIGHTS RESERVED. THIS DOCUMENT IS THE PROPERTY OF QUIKTRIP CORPORATION. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREIN. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM QUIKTRIP CORPORATION.

PROTOTYPE	P-120
DIVISION	KANSAS CITY
VERSION	G3SE
DATE	11-25-2024

E1		COLUMN & FOOTING LOCATIONS		3/16" = 1'-0"		NORTH	
A1		FOOTING NOTES		A4		GENERAL NOTES	
A7		NOT USED		A15		DESIGN LOADS	
NO SCALE		NO SCALE		NO SCALE		NO SCALE	
1		2		3		4	
5		6		7		8	
9		10		11		12	
13		14		15		16	

1. ALL FOUNDATION WORK BY OTHERS AND SUBJECT TO LOCAL APPROVAL.

2. THE FOUNDATION DESIGN IS BASED UPON SECTION 1801.3.2.2-IBC 2018 EDITION. THE DESIGN CRITERIA SELECTED ASSUMES: SITE CLASS D MATERIAL OR BETTER, SOIL BEARING CAPACITY OF 2,000 p.s.f. AND A PASSIVE SOIL PRESSURE OF 150 p.s.f. PER FOOT OF DEPTH.

3. DRILLED SHAFT FOOTINGS SHALL BE INSTALLED PER ACI STD. 336.

4. CONCRETE DESIGN AND CONSTRUCTION SHALL CONFORM TO ACI STANDARD 318-14 "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE."

5. MINIMUM COMPRESSIVE STRENGTH OF CONCRETE (F_C) AT THE END OF 28 DAYS SHALL BE 4000 PSI MIN.

6. REINFORCING STEEL SHALL BE GRADE 60 AND CONFORM TO ASTM A615 LATEST REVISION.

7. DETAILING, FABRICATION AND PLACEMENT OF REINFORCING BARS SHALL COMPLY WITH ACI 315, ACI 318 AND CRSI STANDARDS.

8. ANCHOR BOLTS SHALL CONFORM TO ASTM F1554-GR36.

9. LANE IS NOT RESPONSIBLE FOR FOOTINGS POURED PRIOR TO PERMITTING.

10. FOOTINGS ARE DESIGNED TO BE CONSTRAINED AT THE TOP BY A 6" SLAB. IF THEY ARE NOT, PLEASE NOTIFY LANE SUPPLY CO.

11. G.C. TO CONFIRM FOOTINGS HAVE BEEN POURED ACCORDING TO VERIFIED CIVIL DRAWINGS.

12. USE MASTER FLOW 428 NON-SHRINK GROUT OR EQUIVALENT F_W=5000 p.s.i.

13. G.C. TO ENSURE THAT FOOTINGS DO NOT INTERFERE WITH CONTAINMENT SUMP.

14. G.C. TO PREVENT WATER FROM STANDING IN FOOTING EXCAVATIONS.
- NOTE: FOR FOOTINGS WITHIN 15'-0" TO TANK HOLE EXCAVATION - DEEPEN FOOTINGS TO EXTEND 4'-0" BELOW BOTTOM OF TANK EXCAVATION RE: EI-XC301

1. IT IS THE OWNERS RESPONSIBILITY TO CONVEY TO ALL CONTRACTORS THAT IT IS THEIR RESPONSIBILITY TO ENSURE THAT THE SITE IS PROPERLY EXCAVATED AND GRADED. DURING CONCRETE FORMING PRIOR TO AND AFTER THE POUR, THE CONCRETE SHOULD BE CHECKED FOR PROPER ELEVATION, SQUARE AND CORRECT DIMENSIONS.

2. CORRECTION OF LOCATION, OF ELEVATION AND OF DIMENSIONAL ERRORS MUST BE MADE PRIOR TO THE ARRIVAL OF THE ERECTION CREW AND PRIOR TO THE ERECTION OF THE STRUCTURE.

3. AFTER THE FORMS HAVE BEEN REMOVED, ALL TRENCHES, HOLES AND UNEVEN SITE CONDITIONS MUST BE LEVELLED TO ENSURE A SAFE WORKING AND ACCESS AREA ACCEPTABLE TO LOCAL, STATE, FEDERAL AND OSHA AGENCIES.

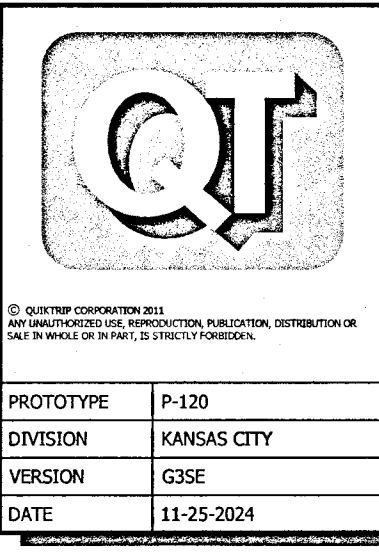
DESIGN LOADS:
DEAD LOAD = 3 p.s.f. (DECK + LIGHTS) +
WEIGHT OF STRUCTURAL COMPONENTS
LIVE LOAD = 20 p.s.f.
SNOW LOAD = 20 p.s.f.
V, ULT = 116 mph. EXP. C
V, ASD = 90 mph. EXP. C
BLDG CODE = 2018 INTERNATIONAL BUILDING CODE
EQUIVALENT LATERAL FORCE PROCEDURE
LATERAL FORCE RESISTING SYSTEM =
CANTILEVERED COLUMN SYSTEM-
ORDINARY STEEL MOMENT FRAME
F_T = 20 p.s.f., C_e = 12, C_t = 12
I_s = 10, W = 126 ft, F_d = 29.80 p.s.f.
SITE CLASS = D (Default)
S_s (0.2) = 0.100
S_i (1.0) = 0.068
SDS = 0.11
SDI = 0.11
F_a = 1.60
F_v = 2.40
R = 125
IMPORTANCE FACTOR = 1.0
RISK CATEGORY = II
SEISMIC DESIGN CATEGORY = B
CS = 0.085
CONSTRUCTION TYPE = IIB
OCCUPANCY CATEGORY = M
TOTAL SEISMIC BASE SHEAR BOTH DIRECTIONS = 520 KIPS

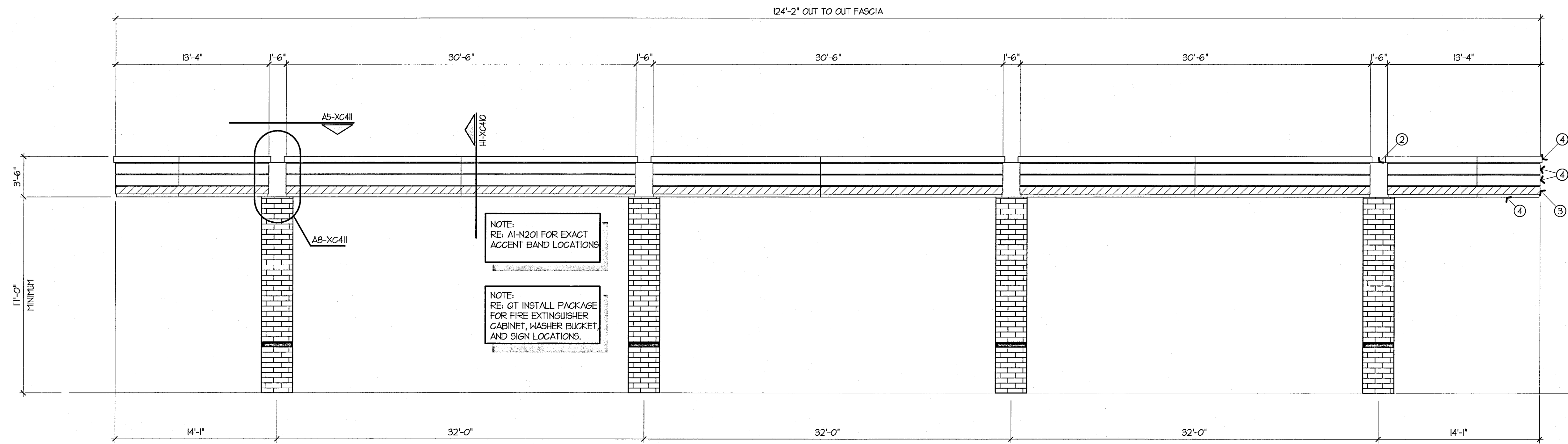
REV	DATE	DESCRIPTION

ORIGINAL ISSUE DATE: 09/05/2024

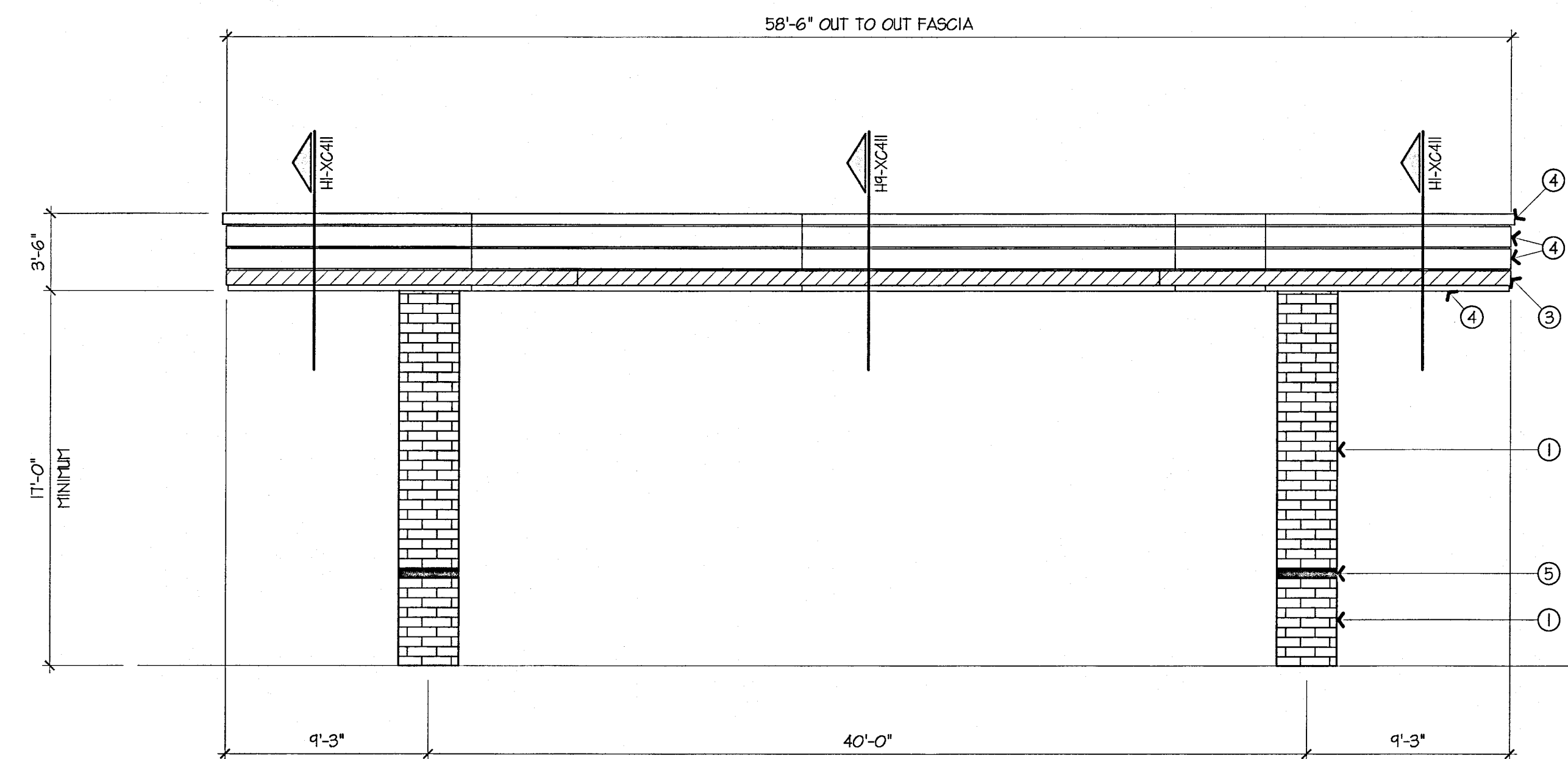
SHEET TITLE:
COLUMN & FOOTING
LOCATIONS

SHEET NUMBER:
XC110

[illegible]

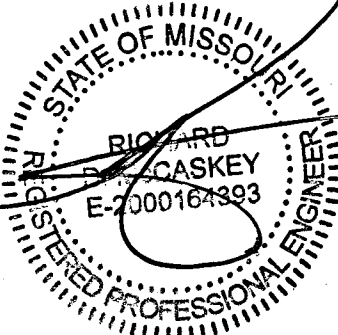


H1



	FINISH	MANUFACTURER	SPECIFICATION
1	BRONZESTONE	INTERSTATE BRICK	ATLAS STRUCTURAL BRICK
2	DARK BRONZE	LANE	METAL/PAINT
3	RED POLYCARBONATE	ALAN INDUSTRIES	ILLUMINATED BAND
4	HLZ-ALUMINIUM	APOLIC	CANOPY
5	MIDNIGHT BLACK	INTERSTATE BRICK	ATLAS STRUCTURAL BRICK

A1



C.O.A.: 2001015838

SIGNATURE DATE: 11-22-2024



LSC#78950

QuikTrip No. 0183R



UNAUTHORIZED USE, REPRODUCTION, PUBLICATION, DISTRIBUTION OR
DISSEMINATION OF THIS DOCUMENT IS PROHIBITED BY LAW.

THE PERIOD ON IN PART (2) IS NOT THE PERIODICITY.

PROTOTYPE	P-120
-----------	-------

VISION KANSAS CITY

RSION	G3SE
-------	------

11-25-2024

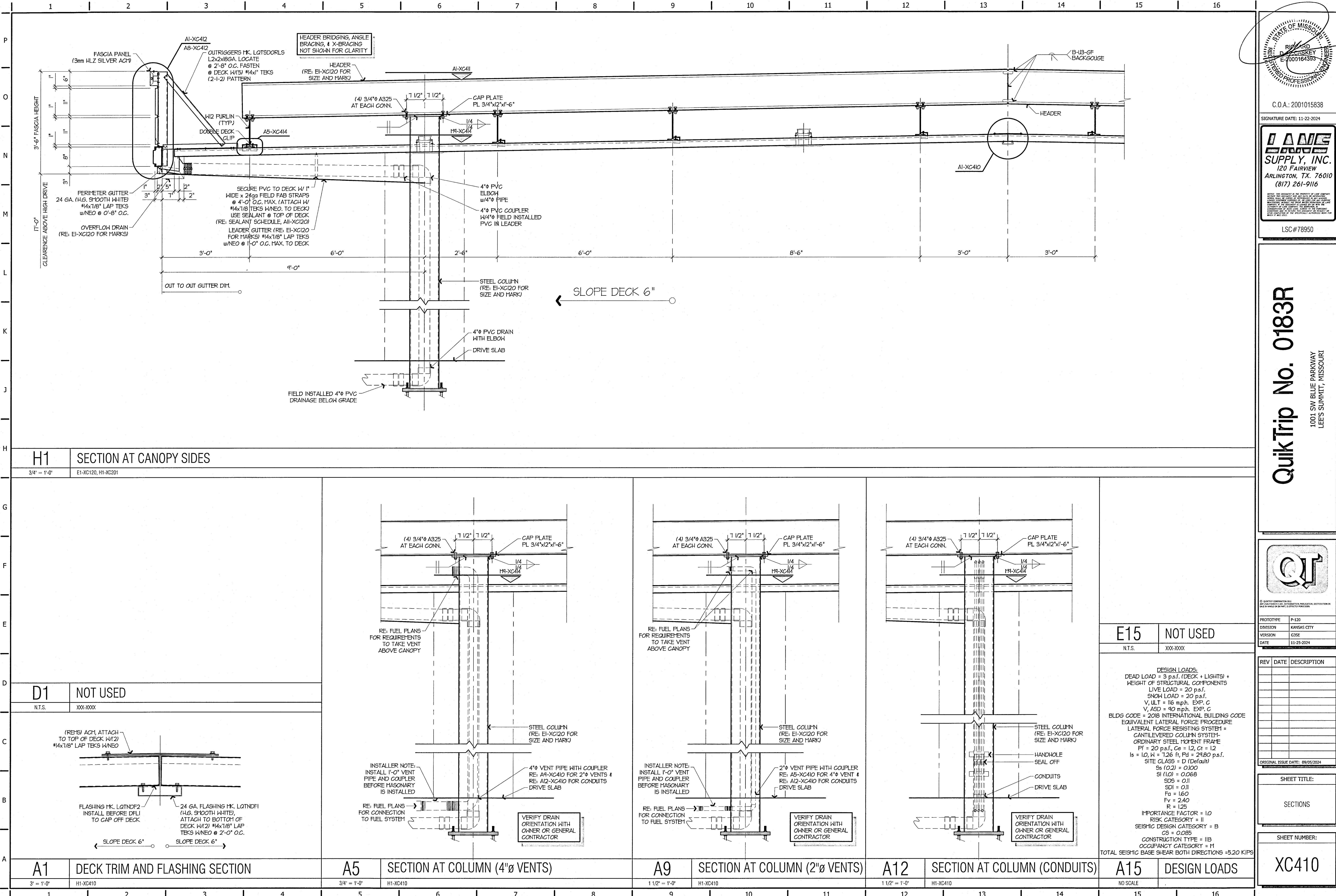
[illegible]

SHEET TITLE:

CANOPY ELEVATION

SHEET NUMBER:

XC201



STATE OF MISSOURI
Professional Engineer
No. 000164393
C.O.A.: 2001015838
SIGNATURE DATE: 11-22-2024

LAME
SUPPLY, INC.
120 FAIRVIEW
ARLINGTON, TX. 76010
(817) 261-9116
LSC#78950

QuikTrip No. 0183R
1001 SW BLUE PARKWAY
LEE'S SUMMIT, MISSOURI

QT

PROTOTYPE P-120
DIVISION KANSAS CITY
VERSION G3SE
DATE 11-25-2024

REV	DATE	DESCRIPTION

SHEET TITLE:
SECTIONS

SHEET NUMBER:
XC410

H1
3/4" = 1'-0"

SECTION AT CANOPY SIDES
E1-XC120, H1-XC201

D1
N.T.S.

NOT USED
XXX-XXXX

A1
3" = 1'-0"

DECK TRIM AND FLASHING SECTION
H1-XC410

A5
3/4" = 1'-0"

SECTION AT COLUMN (4" VENTS)
H1-XC410

A9
1 1/2" = 1'-0"

SECTION AT COLUMN (2" VENTS)
H1-XC410

A12
1 1/2" = 1'-0"

SECTION AT COLUMN (CONDUITS)
H1-XC410

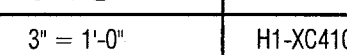
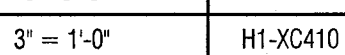
E15
N.T.S.

NOT USED
XXX-XXXX

A15
NO SCALE

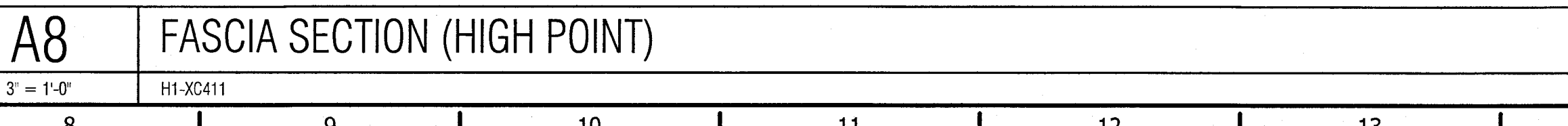
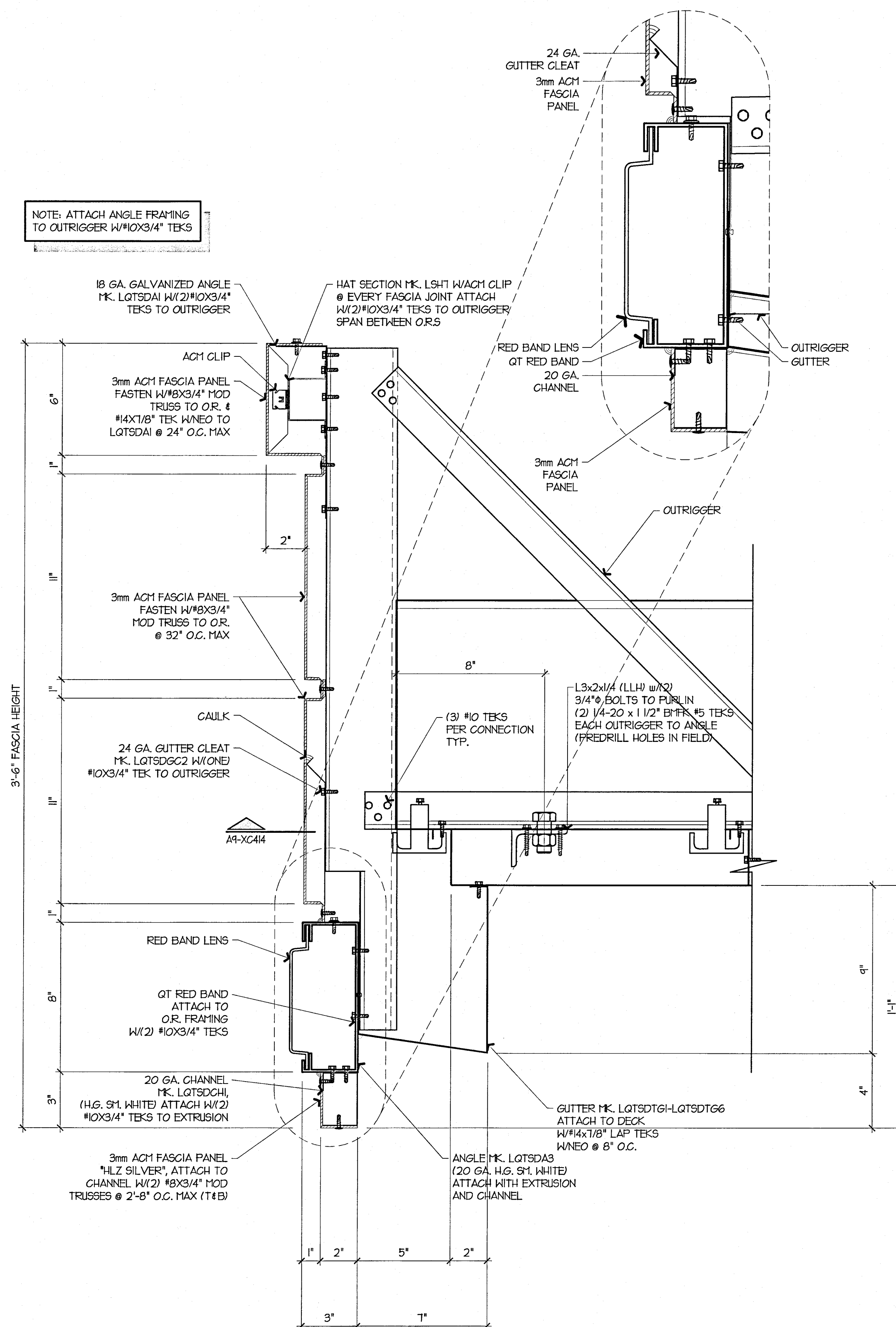
DESIGN LOADS

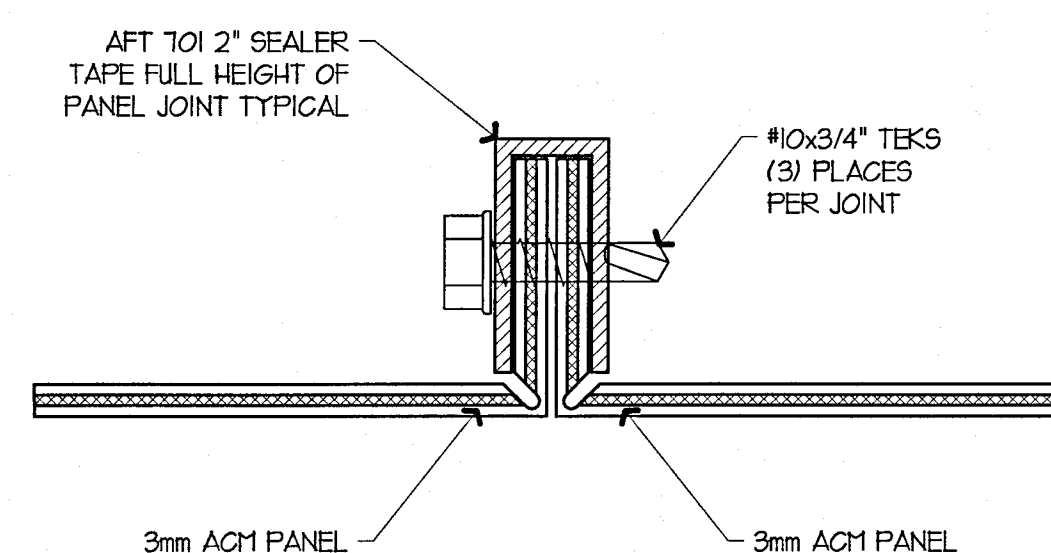
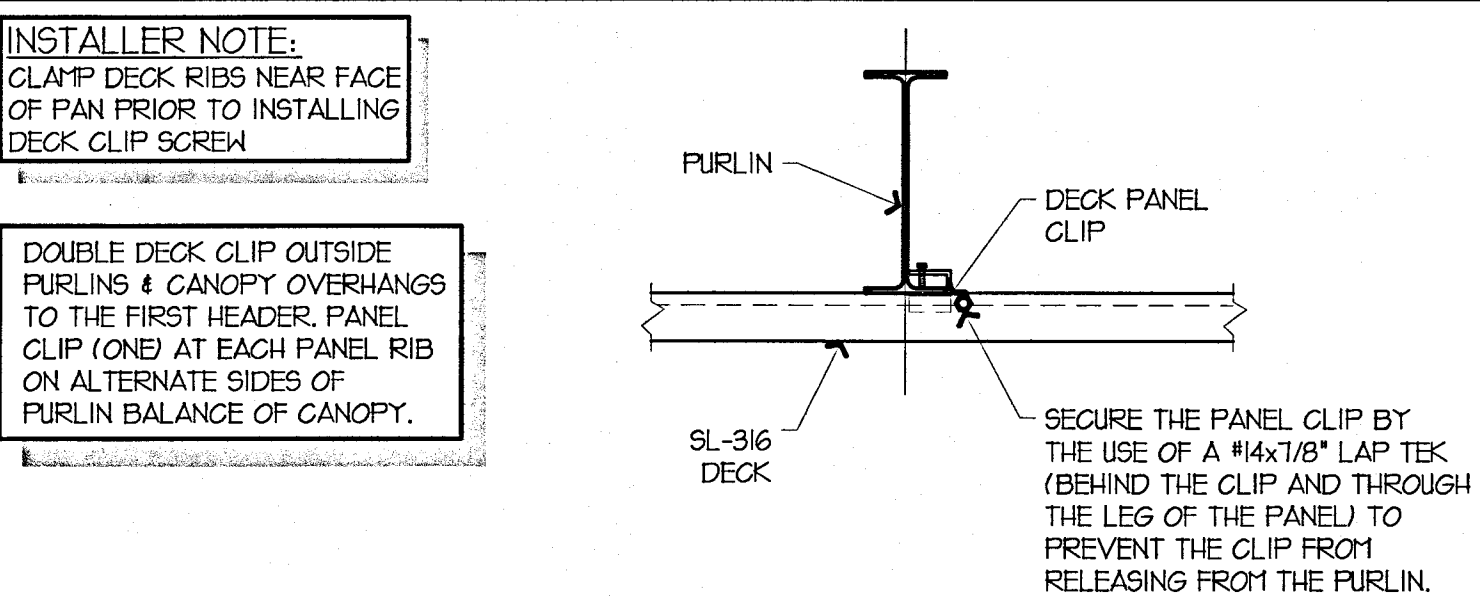
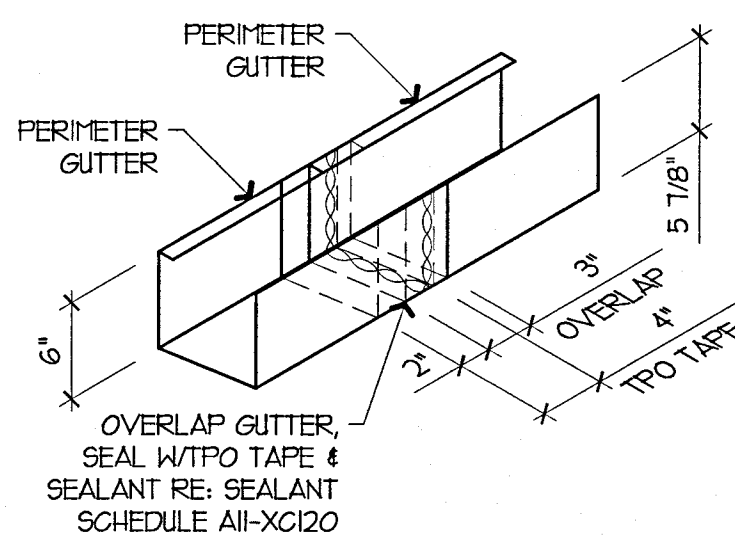
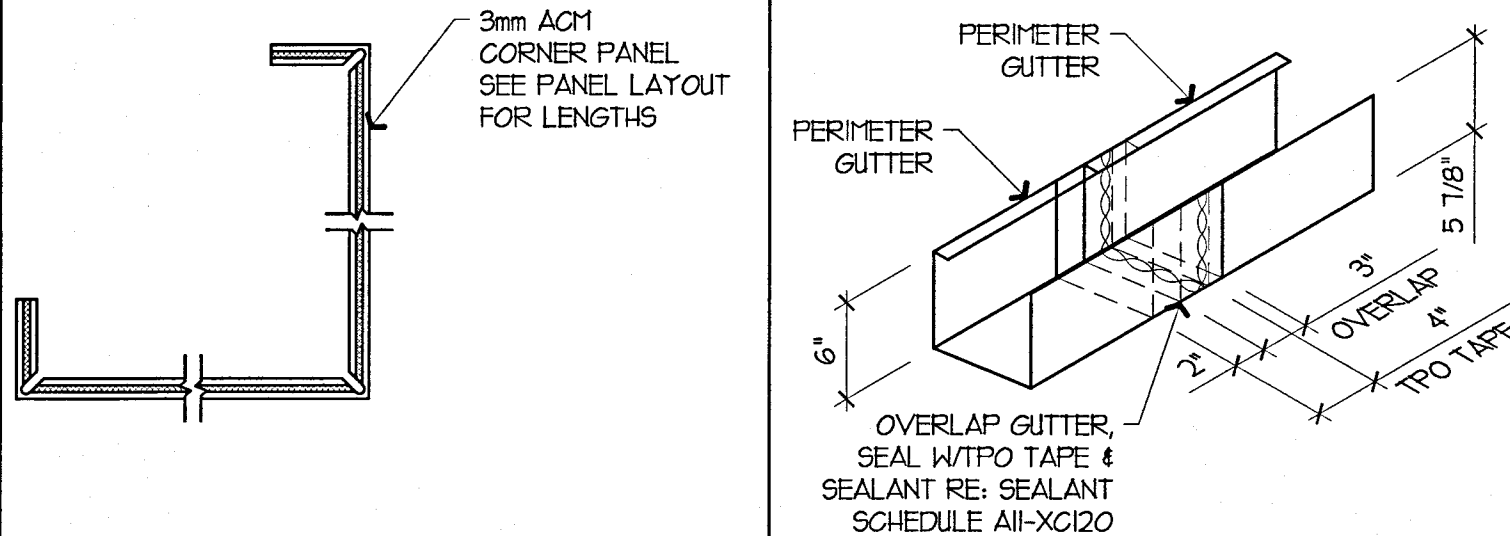
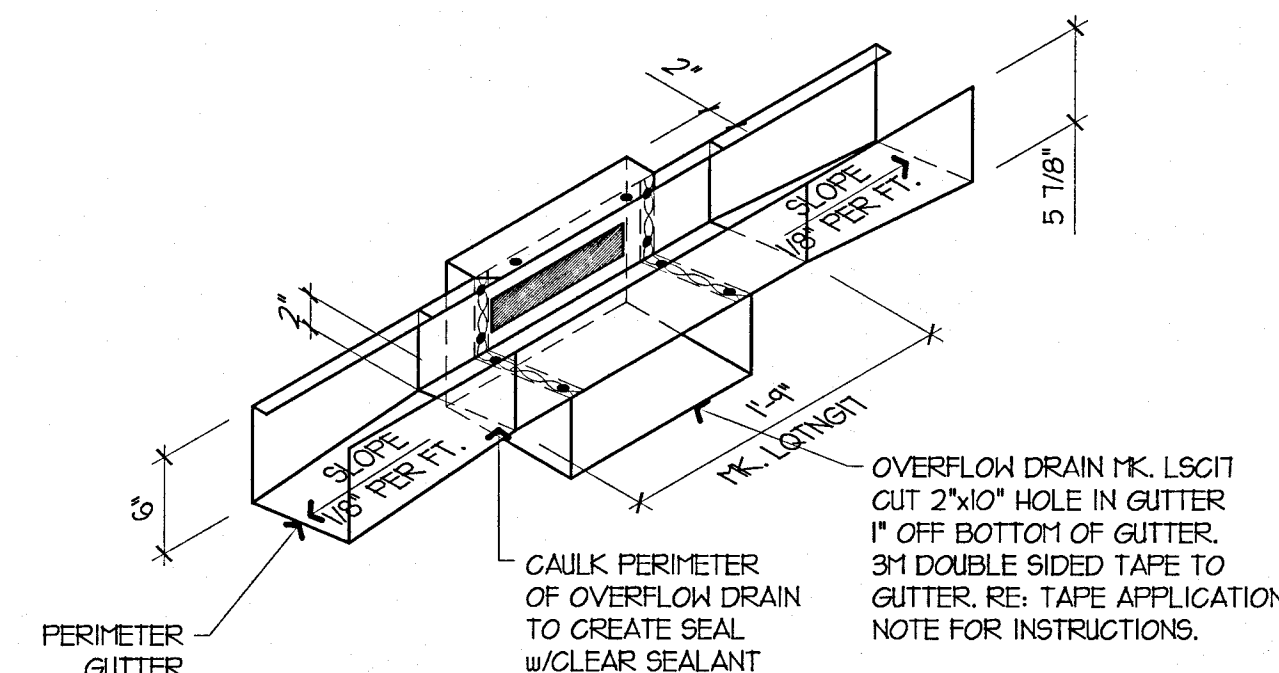
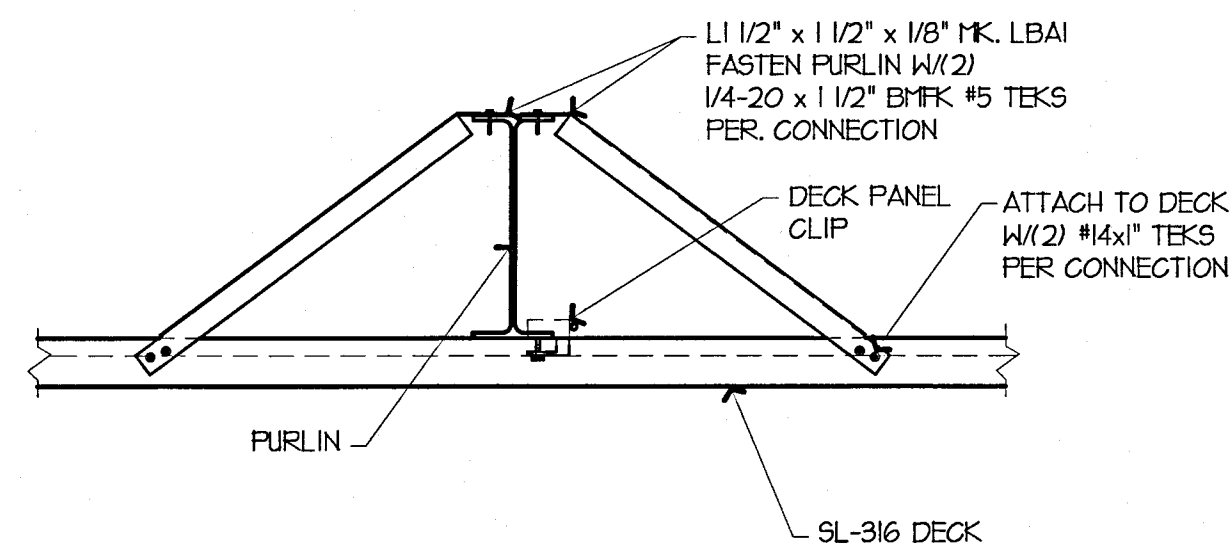
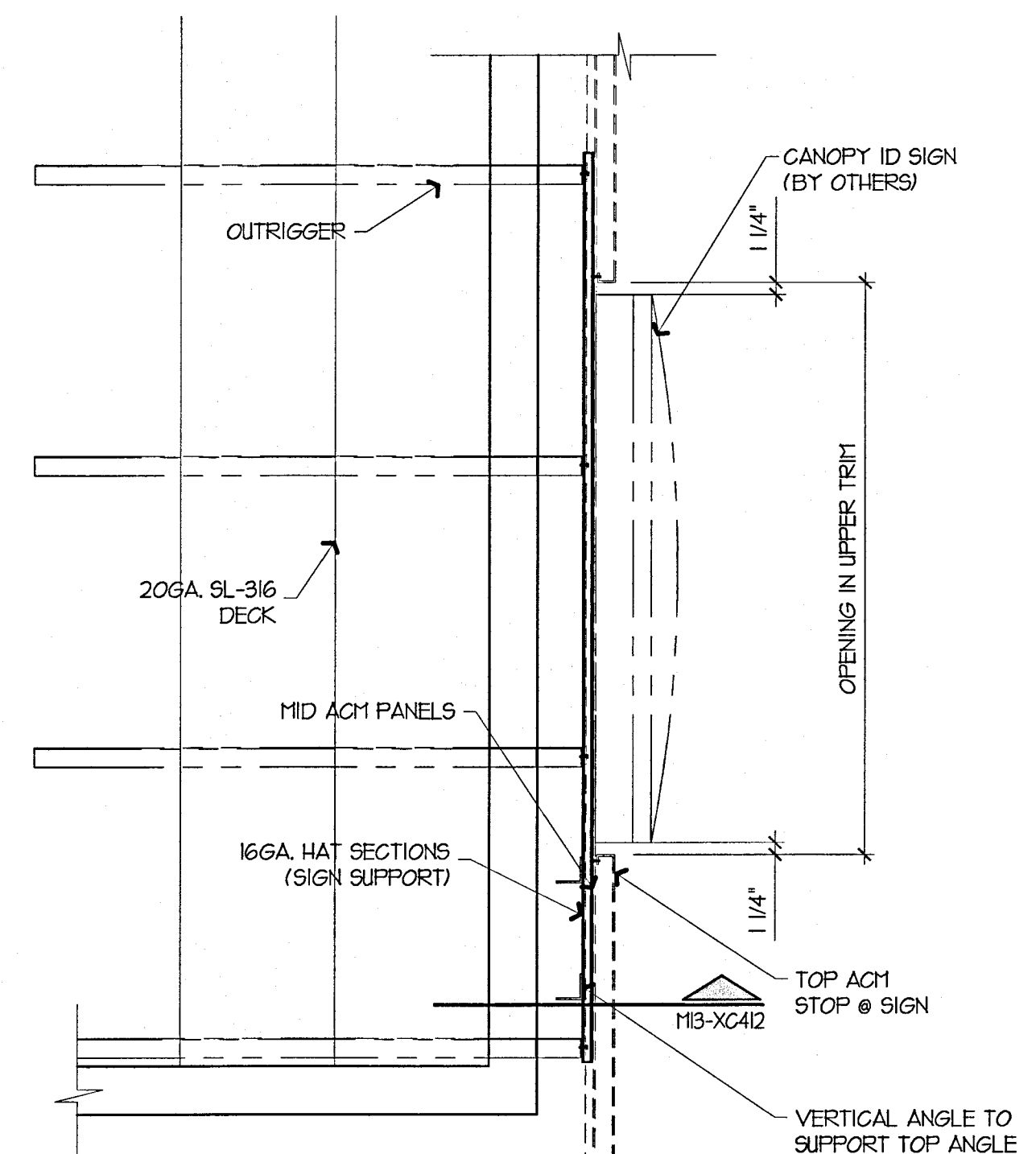
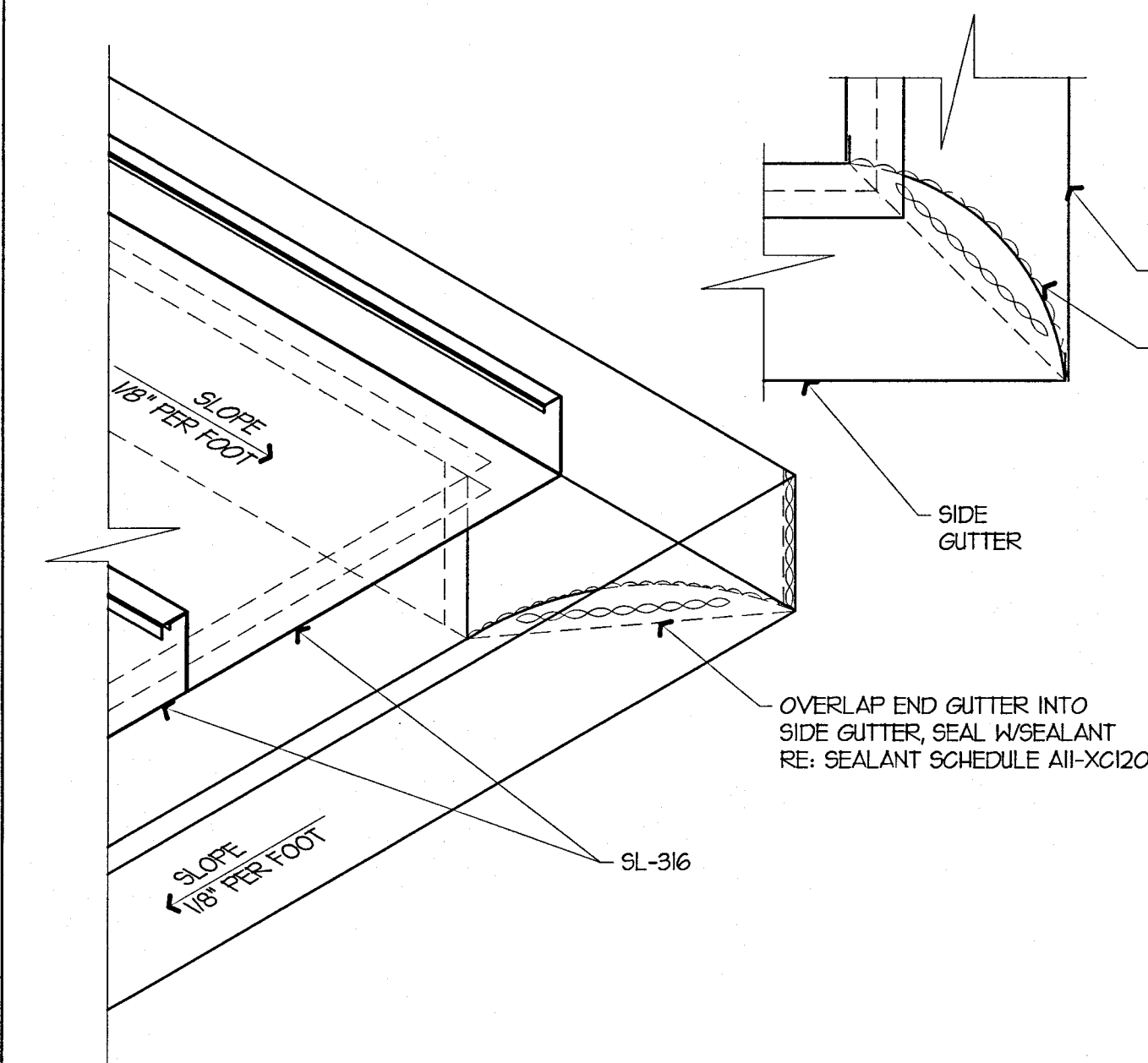
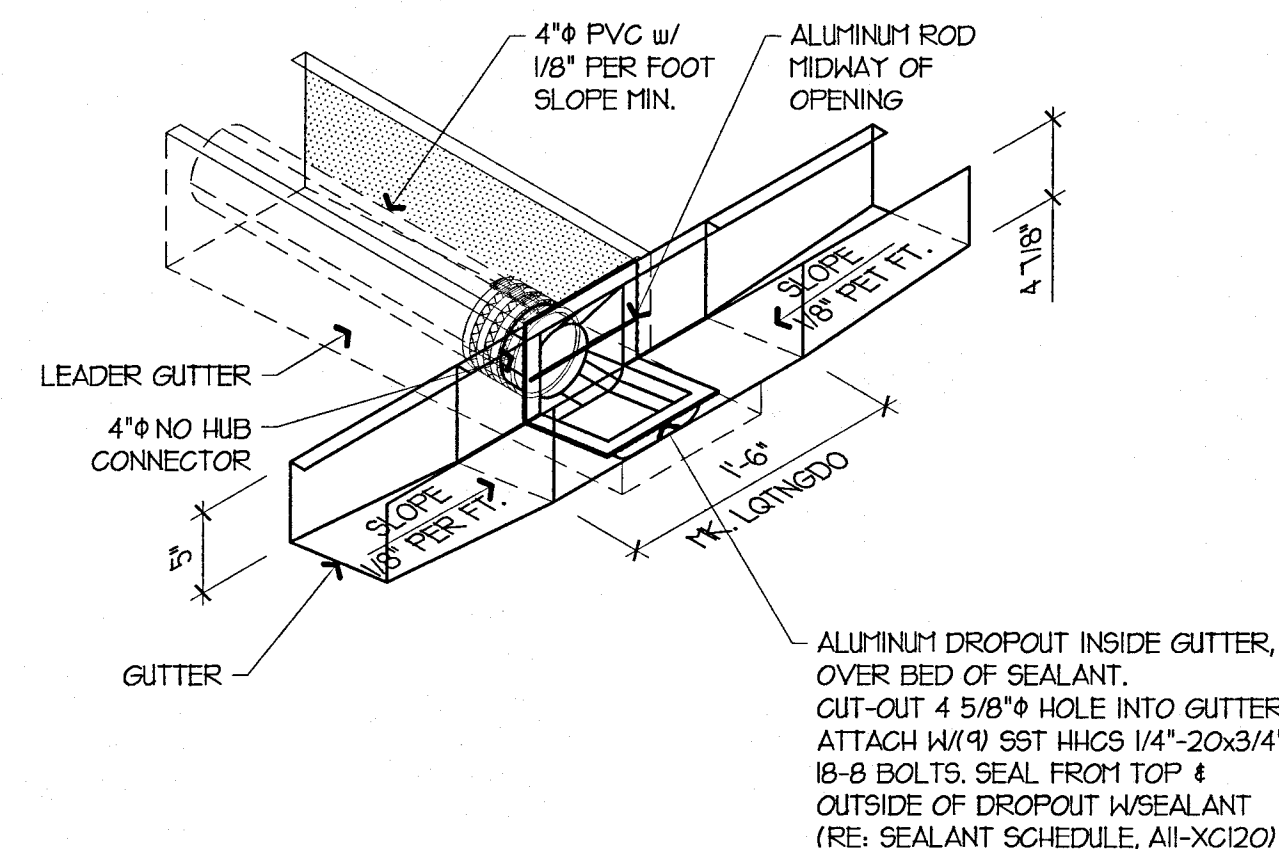
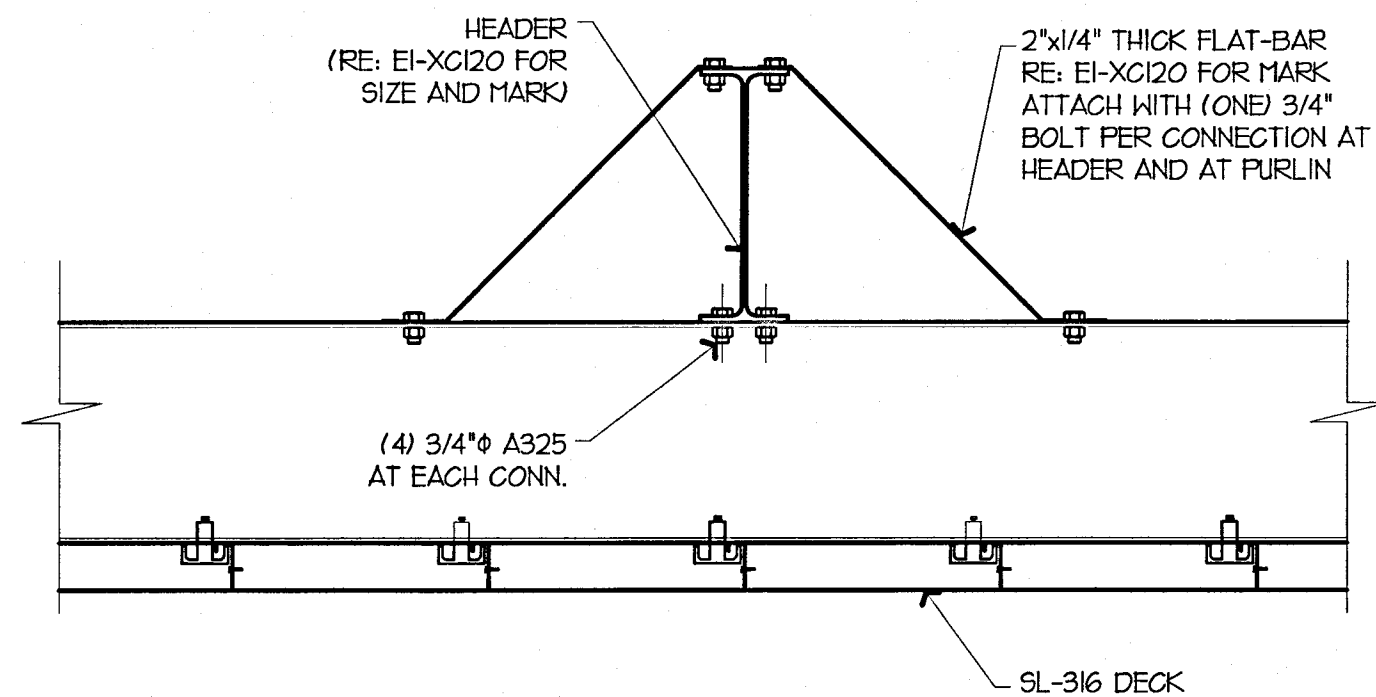
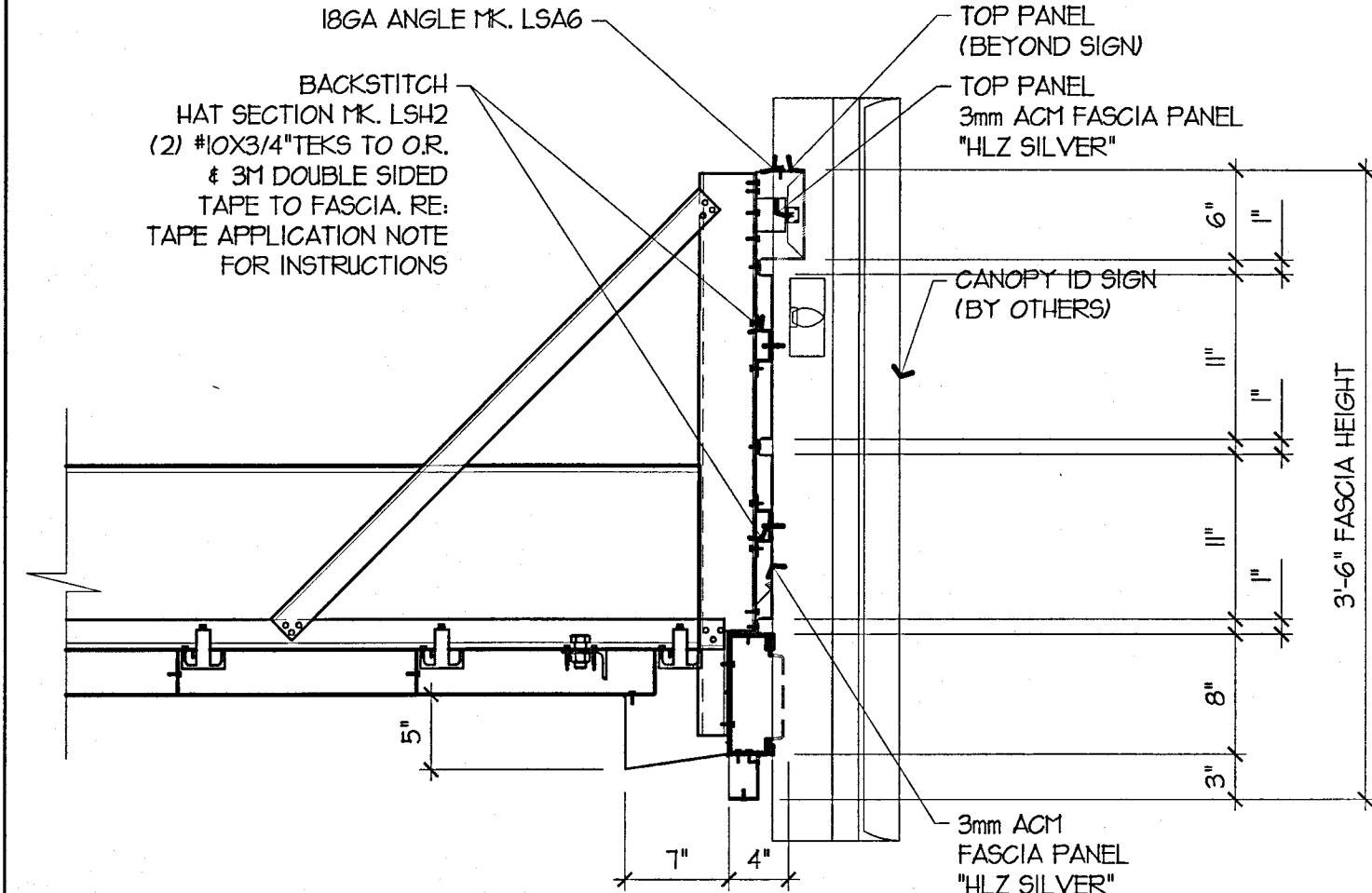
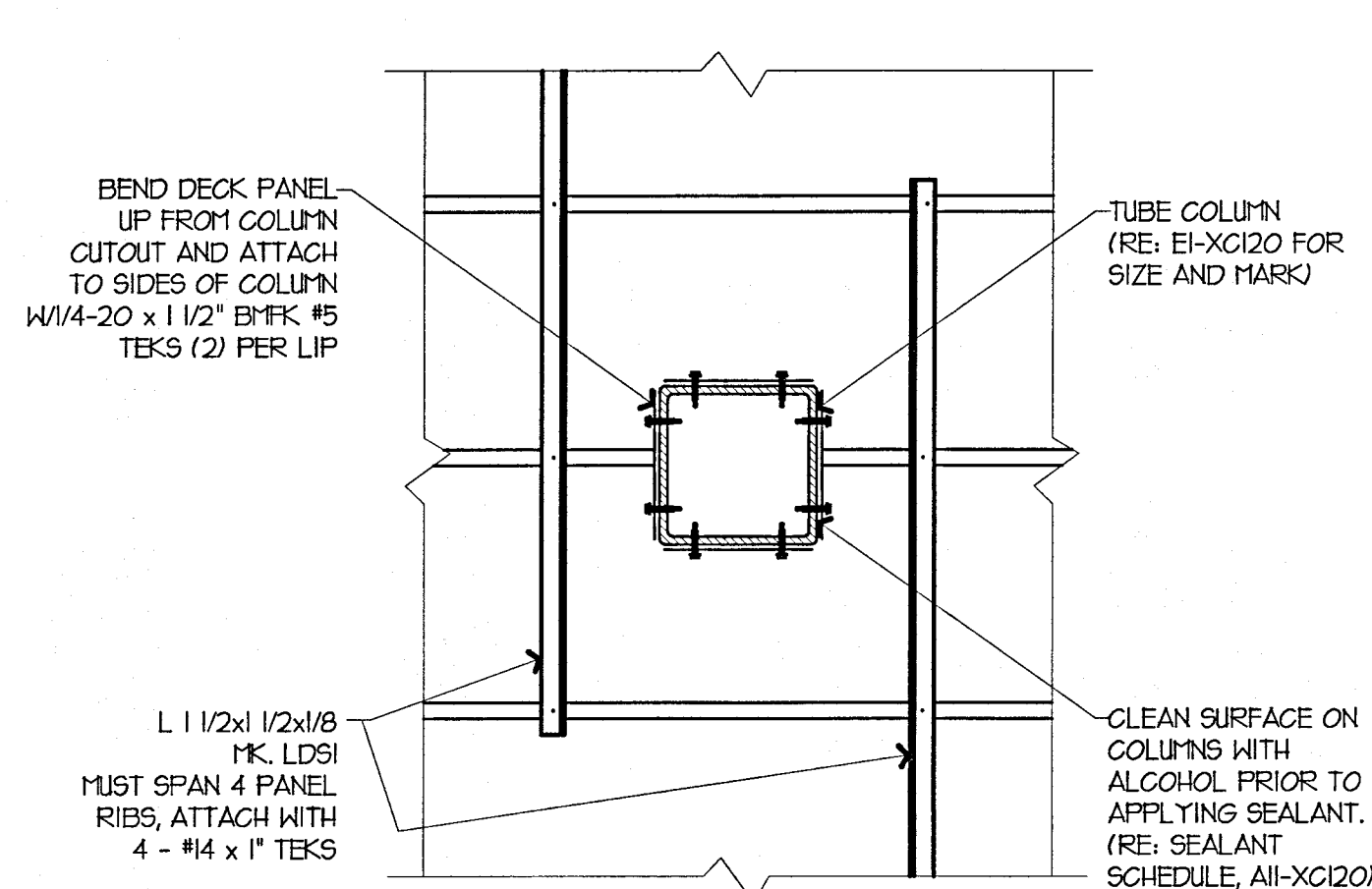
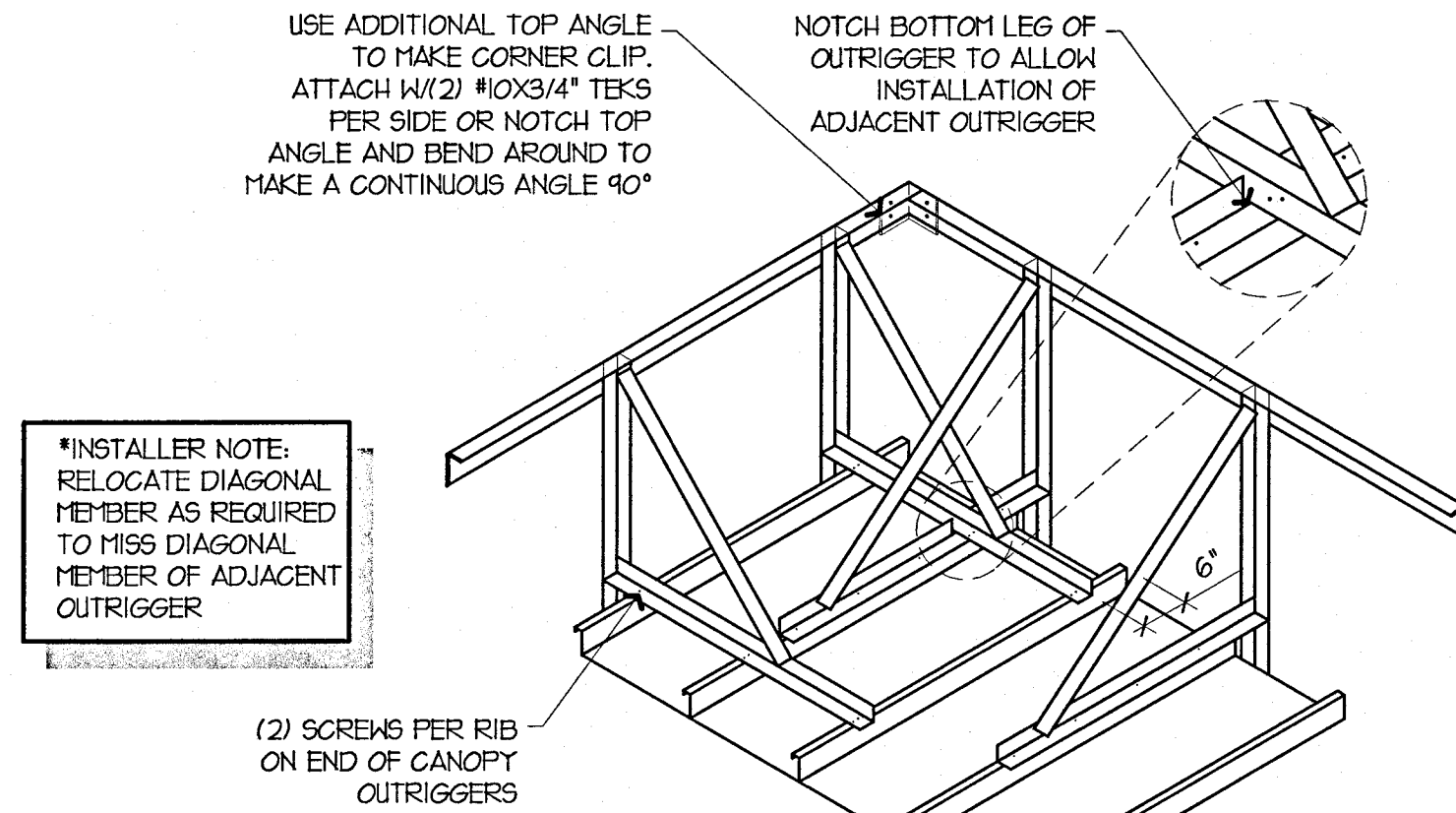
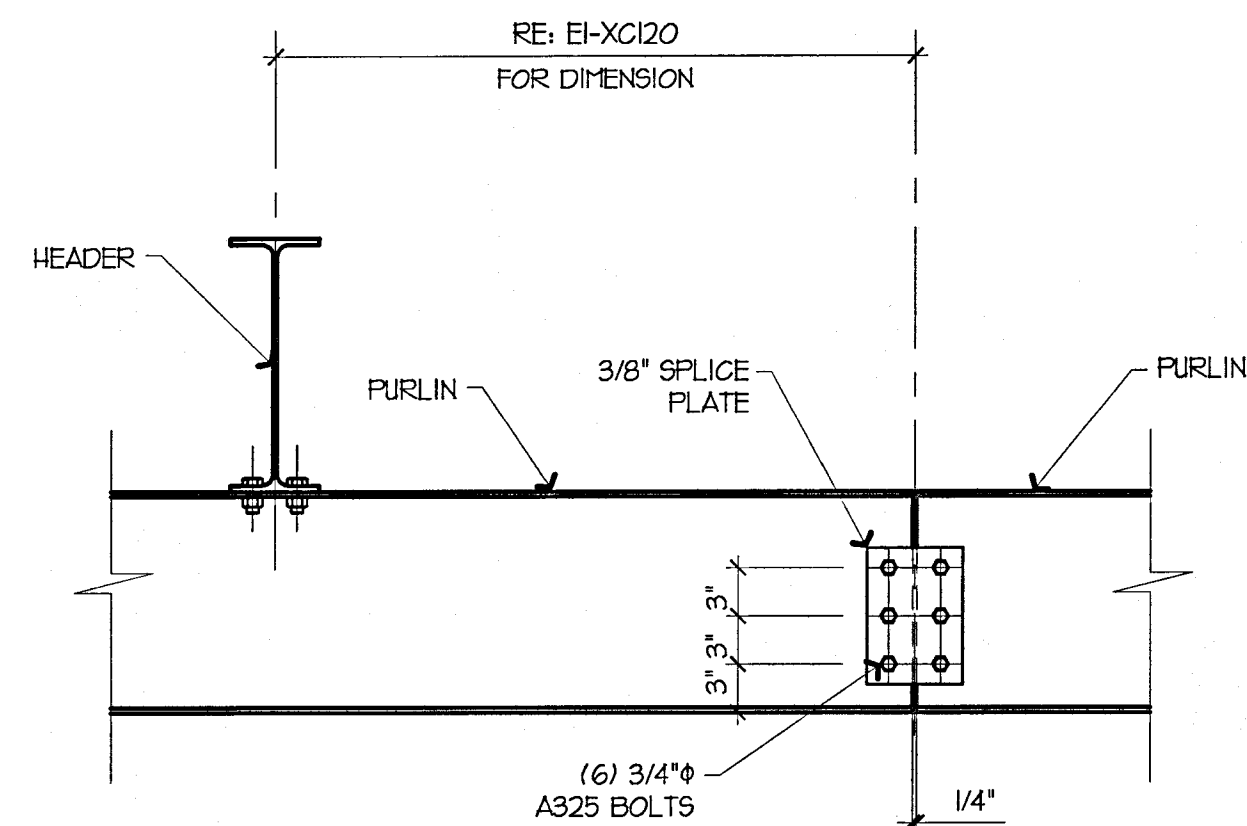
DESIGN LOADS:
DEAD LOAD = 3 psf. (DECK + LIGHTS) +
WEIGHT OF STRUCTURAL COMPONENTS
LIVE LOAD = 20 psf.
SNOW LOAD = 20 psf.
V_{ULT} = 116 mph. EXP. C
V_{ASD} = 90 mph. EXP. C
BLDG CODE = 2018 INTERNATIONAL BUILDING CODE
EQUIVALENT LATERAL FORCE PROCEDURE
LATERAL FORCE RESISTING SYSTEM =
CANTILEVERED COLUMN SYSTEM-
ORDINARY STEEL MOMENT FRAME
F_t = 20 psf, C_e = 1.2, C_t = 1.2
I_s = 1.0, W = 126 ft, P_d = 2480 psf.
SITE CLASS = D (Default)
S_a (0.2) = 0.100
S_i (1.0) = 0.068
SDS = 0.11
SDI = 0.11
F_a = 1.60
F_v = 2.40
R = 1.25
IMPORTANCE FACTOR = 1.0
RISK CATEGORY = II
SEISMIC DESIGN CATEGORY = B
C_s = 0.085
CONSTRUCTION TYPE = IIB
OCCUPANCY CATEGORY = M
TOTAL SEISMIC BASE SHEAR BOTH DIRECTIONS = 520 KIPS



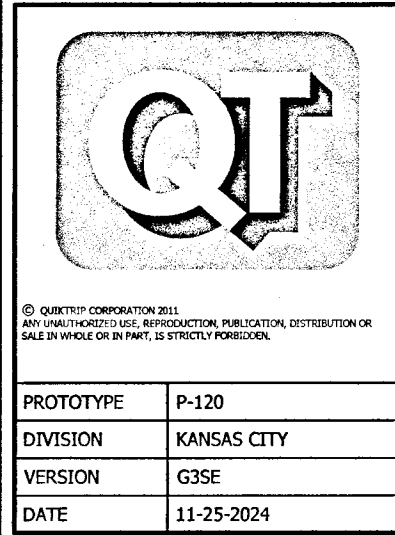
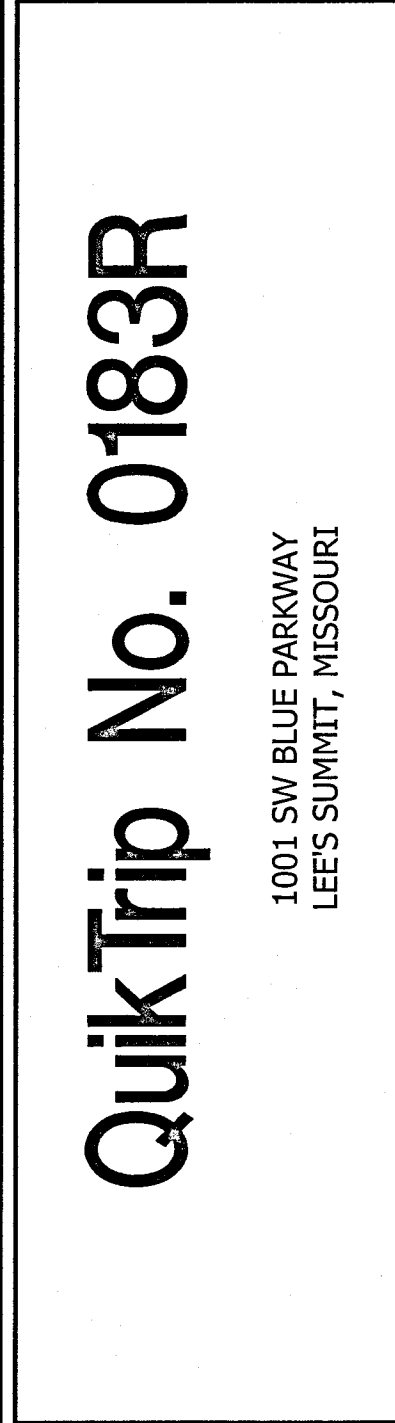
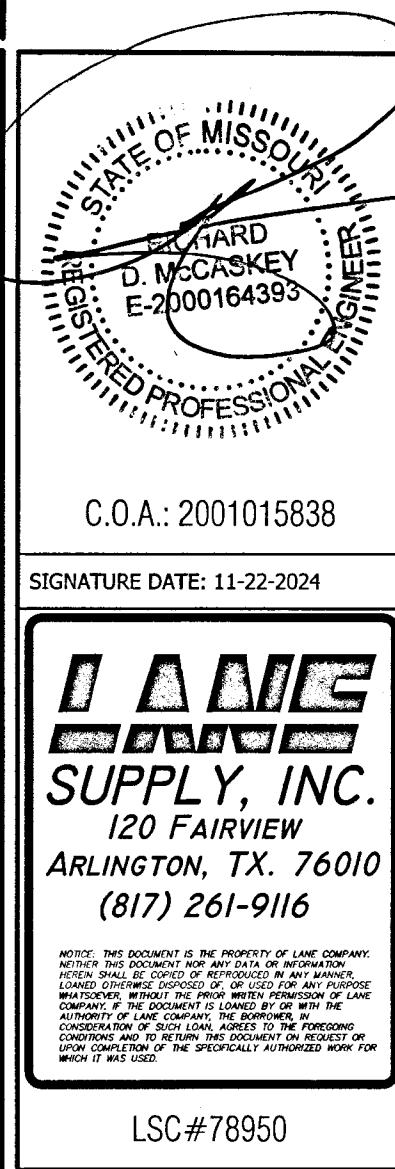
NO SCALE

SHEET NUMBER:
XC412

[illegible]



DESIGN LOADS:
DEAD LOAD = 9 p.s.f. (DECK + LIGHTS) +
WEIGHT OF STRUCTURAL COMPONENTS
LIVE LOAD = 20 p.s.f.
SNOW LOAD = 20 p.s.f.
V_{ULT} = 116 mph. EXP. C
V_{ASD} = 90 mph. EXP. C
BLDG CODE = 2018 INTERNATIONAL BUILDING CODE
EQUIV. LATERAL FORCE PROCEEDURE
LATERAL FORCE RESISTING SYSTEM =
CANTILEVERED COLUMN SYSTEM-
ORDINARY STEEL MOMENT FRAME
FI = 20 p.s.f., Ce = 12, Ci = 12
Is = 10, I = 1.26 FI, Pd = 2480 p.s.f.
SITE CLASS = D (Default)
Ss (0.2) = 0.100
Si (0.1) = 0.068
SDS = 0.11
SDI = 0.11
Fa = 160
Fv = 240
R = 125
IMPORTANCE FACTOR = 1.0
RISK CATEGORY = II
SEISMIC DESIGN CATEGORY = B
CS = 0.085
CONSTRUCTION TYPE = IIB
OCCUPANCY CATEGORY = M
TOTAL SEISMIC BASE SHEAR BOTH DIRECTIONS = 520 KIIPS

[illegible]

SHEET TITLE:
SECTIONS

SHEET NUMBER:

XC414