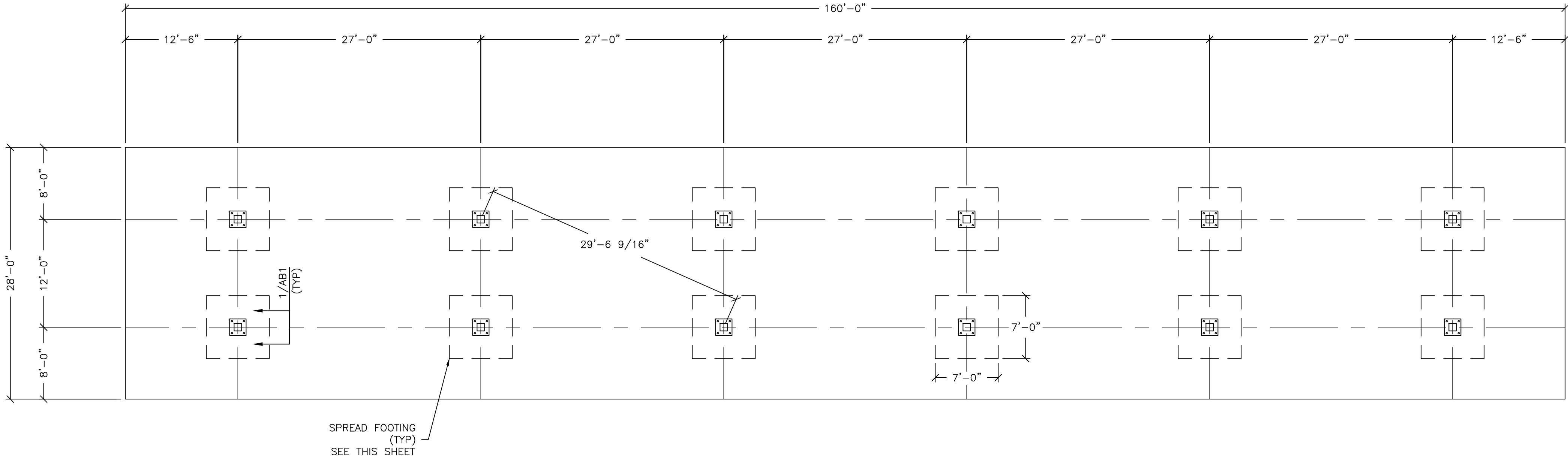


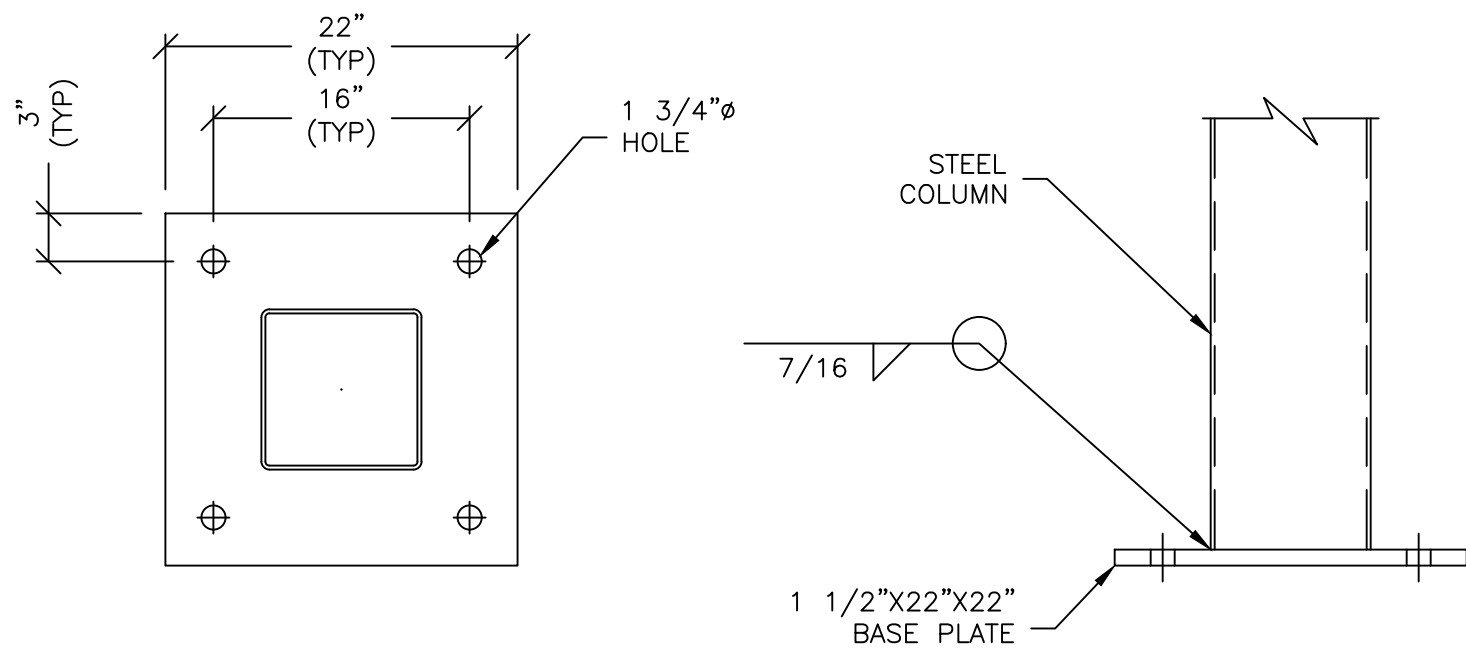
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FOUNDATION PLAN

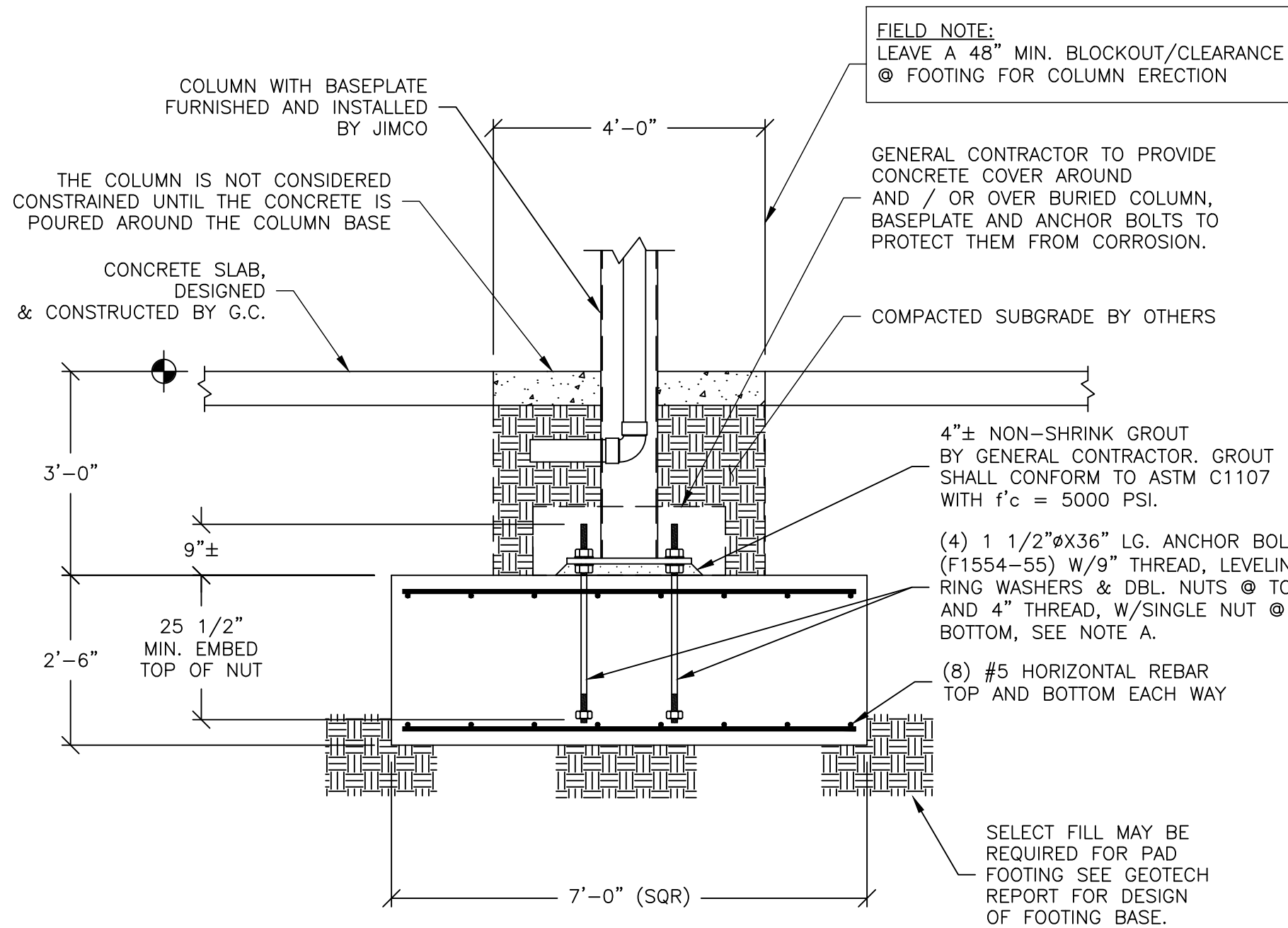
SCALE: 1/8"=1'-0"

- NOTE:
- A) FOOTINGS INCLUDING CONCRETE, REBAR, FORMWORK AND ASSOCIATED EARTHWORK SHALL BE FURNISHED AND INSTALLED BY GENERAL CONTRACTOR EXCEPT ANCHOR BOLTS SHALL BE FURNISHED BY JIMCO AND INSTALLED BY GENERAL CONTRACTOR.
- B) SEE FOUNDATION, CONCRETE NOTES ON DWG CS1.



1 BASE PLATE DETAIL

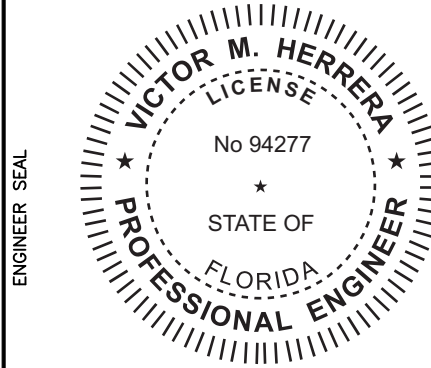
SCALE: 1"=1'-0"



SPREAD FOOTING DETAIL

SCALE: 1/2"=1'-0"

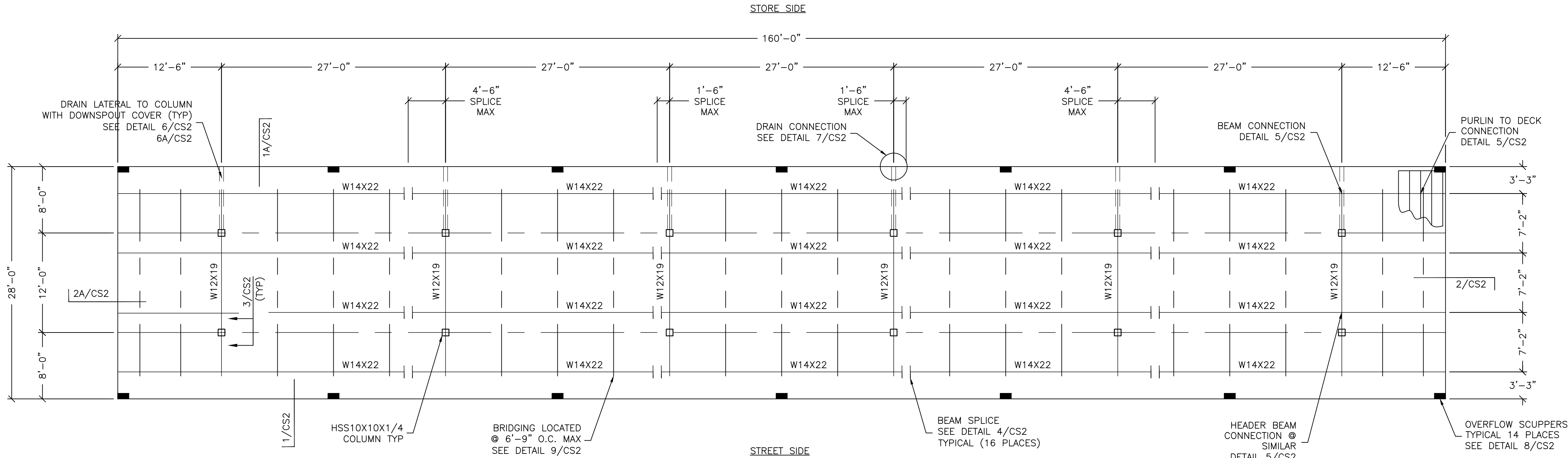
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 Jimco SALES AND MANUFACTURING 3113 St. Louis Ave. Fort Worth, Texas (817)924-6173		DRAWING DESCRIPTION		CANOPY FOUNDATION SECTIONS AND DETAILS	
JOB LOCATION		7-ELEVEN #42659 HERITAGE PKWY & EMERSON DR NW PALM BAY, FL		ST JOHN'S HERITAGE PKWY & EMERSON DR NW PALM BAY, FL	
ENGINEER SEAL				CUSTOMER	
7-ELEVEN, INC. - CYPRESS WATERS		REVISIONS		NO. DESCRIPTION: DATE: BY:	
M. KOVAL DRAWN BY:		V. HERRERA, PE CHECKED BY:		05-12-2025 DATE:	
JOB NO. 25-1746R0		DWG. NO. AB1		OF 3 SHEETS	

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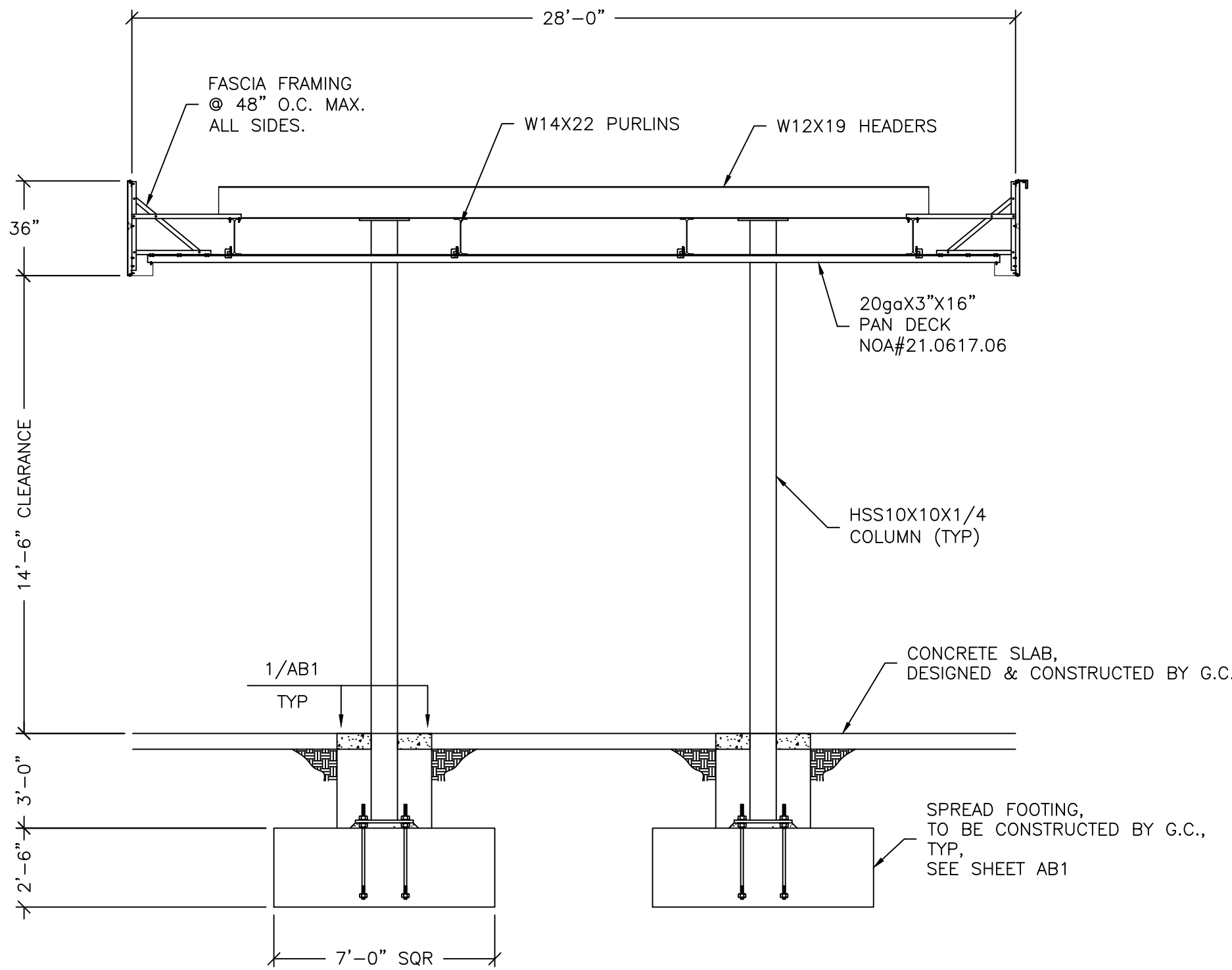


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FRAMING PLAN

SCALE: 1/8"=1'-0"



SECTION/ELEVATION

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

SPECIAL INSPECTIONS FOR THE CANOPY

SPECIAL INSPECTIONS FOR THE CANOPY SHALL BE PROVIDED BY THE OWNER PER CHAPTER 17 OF THE IBC.

THE FOLLOWING SYSTEMS ARE SUBJECT TO THE SPECIAL INSPECTION REQUIREMENTS OF THE IBC CHAPTER 17.

- A. COLUMNS
B. COLUMN BASE PLATE
C. FOOTINGS UNLESS EXEMPT
D. PURLIN BEAMS
E. BEAMS

SPECIAL INSPECTION IS REQUIRED FOR THE FOLLOWING WORK.

- WELDING 1. PRIOR TO WELDING (TABLE N5.4-1, 360-16)
2. DURING WELDING (TABLE N5.4-2, 360-16)
3. AFTER WELDING (TABLE N5.4-3, 360-16)
4. NONDESTRUCTIVE TESTING (SECTION N5, 360-16)
PER IBC 1705.2, SPECIAL INSPECTION IS NOT REQUIRED WHERE WELDING IS PERFORMED IN AN APPROVED SHOP. JIMCO SALES AND MANUFACTURING IS AN AISC APPROVED FABRICATOR (218031061-10INT).
- BOLTING - PRIOR TO BOLTING (TABLE N5.6-1, AISC 360-16): NOT REQUIRED IF ONLY SNUG TIGHT JOINTS ARE SPECIFIED.
- FOUNDATIONS - PER IBC 1705.3; EXCEPTION 1 - SPECIAL INSPECTION IS NOT REQUIRED FOR ISOLATED SPREAD CONCRETE FOOTINGS FULLY SUPPORTED ON EARTH OR ROCK. *THIS EXCEPTION DOES NOT APPLY IN THE STATE OF NEVADA.*
-SPECIAL INSPECTIONS SHALL BE PERFORMED DURING INSTALLATION AND TESTING OF CAST-IN-PLACE DEEP FOUNDATION ELEMENTS AS REQUIRED BY TABLE 1705.8.
- ANCHOR BOLTS - PERIODIC SPECIAL INSPECTION OF ANCHORS CAST IN CONCRETE REQUIRED PER IBC TABLE 1705.3, ITEM 3
- STRUCTURAL OBSERVATIONS: NONE REQUIRED

SEISMIC FORCE RESISTING SYSTEM (SFRS)

- A. REFER TO AISC 341-16 SECTION A4 AND ASCE 7-16.
B. DESIGNATION OF SFRS: G.2. STEEL ORDINARY CANTILEVER COLUMN SYSTEMS (ASCE 7-16 TABLE 12.2-1) SEE AISC 341-16 SECTION E5 (OCCS).
C. R = 1.25, CS = 0.062
D. ANALYSIS PROCEDURE = EQUIVALENT LATERAL FORCE
E. MEMBERS AND CONNECTIONS THAT ARE PART OF THE SFRS:
1. COLUMNS
2. COLUMN BASE CONNECTION
3. FOOTINGS
F. PROTECTED ZONES: N/A
G. SEE DETAILS AND NOTE FOR CONNECTION CONFIGURATIONS, MATERIALS SPECIFICATIONS AND SIZES
H. WELD FILLER MATERIALS FOR WELDS PART OF THE SFRS:
1. YIELD STRENGTH - 58 KSI MIN
2. TENSILE STRENGTH - 70 KSI MIN
3. ELONGATION - 22% MIN
4. CVN TOUGHNESS - 20 FT-LB MIN @ 0° F
SEE DETAILS AND NOTES FOR OTHER WELDING REQUIREMENTS
J. DEMAND CRITICAL WELDS - N/A
K. LOWEST ANTICIPATED SERVICE TEMPERATURE - 0° F

CANOPY NOTES

- GENERAL NOTES:
A. THE CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS AT THE SITE.
B. OBSERVATION VISITS TO THE SITE BY THE DESIGN ENGINEER SHALL NEITHER BE CONSTRUED AS INSPECTION NOR APPROVAL OF CONSTRUCTION.
C. DURING AND AFTER CONSTRUCTION, BUILDER AND/OR OWNER SHALL KEEP LOADS ON THE STRUCTURE WITHIN LIMITS OF DESIGN LOADS.
D. TYPICAL DETAILS AND SECTIONS SHALL APPLY WHERE SPECIFIC DETAILS ARE NOT SHOWN.

1. BUILDING CODE: 2023 FLORIDA BUILDING CODE / 2021 INTERNATIONAL BUILDING CODE
2. USE GROUP: M, CONSTRUCTION TYPE - IIB
3. DESIGN LOADS:

- A. ROOF LIVE LOAD: 20 PSF (REDUCIBLE)
B. CANOPY DEAD LOAD: 10/28 PSF
C. GROUND SNOW LOAD Pg: 3.0 PSF
FLAT ROOF SNOW LOAD Pf: 2.52 PSF
RAIN ON SNOW SURCHARGE: 5.0 PSF IF Pg<20
EXPOSURE FACTOR Ce: 1.0
IMPORTANCE FACTOR Is: 1.0
THERMAL FACTOR Ct: 1.2

- D. BASIC WIND SPEED: V=148 MPH, Vasd=115 MPH
BUILDING RISK CATEGORY: II
EXPOSURE: C
COMPONENT & CLADDING: ASCE 7-16 CHAPTER 30
ROOF DESIGN PRESSURES (PSF) C&C FIGURE 30.8-1

ZONE 3	ZONE 2	ZONE 1
63	-59	42
-59	-59	-38

- E. EARTHQUAKE DESIGN:
IMPORTANCE FACTOR: 1.0
Ss=0.075g
Sd1=0.032g
SITE CLASS: D
SEISMIC DESIGN CATEGORY: A
SEISMIC FORCE RESISTING SYSTEM: G.2 STEEL ORDINARY CANTILEVERED COLUMN SYSTEM
DESIGN BASE SHEAR: 2.87k
SEISMIC RESPONSE COEFFICIENT: Cs = 0.062
RESPONSE MODIFICATION FACTOR: R=1.25
SEISMIC ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE

4. FOUNDATION DESIGN:
ALLOWABLE BEARING PRESSURE: 2000 PSF
LATERAL EARTH PRESSURE: 100 PSF/FT
PER GEOTECHNICAL REPORT BY: NOVA,
DATED: 15 AUGUST 2024 (PROJECT NO. 10106-2024065).
* SITE SOILS SHALL BE PREPARED FOR THE FOUNDATION IN ACCORDANCE WITH THE GEOTECHNICAL REPORT REFERENCED ABOVE.
5. CONCRETE AND REINFORCEMENT:
A. CONCRETE FOOTINGS (EXPOSURE CLASSES FO, SO, WO, CO) TYPE II CEMENT COMPRESSIVE STRENGTH OF f'c = 3000 p.s.i.
B. SLAB ON GRADE (BY OTHERS)
C. CONCRETE DESIGNED USING f'c = 2500 p.s.i. OR ABOVE SHALL HAVE SPECIAL INSPECTIONS PERFORMED, UNLESS ISOLATED SPREAD FOOTINGS ARE UTILIZED. SEE SPECIAL INSPECTIONS FOR THE CANOPY CONCRETE NOTE.
D. REBAR: ASTM A615 GRADE 60
E. STIRRUPS AND TIES SHALL HAVE MINIMUM 4" HOOKS.
F. MINIMUM CONCRETE PROTECTION FOR REINFORCEMENT:
CONCRETE EXPOSED TO GROUND-----3"
FORMED CONCRETE EXPOSED TO GROUND-----2"
FORMED CONCRETE NOT EXPOSED TO GROUND-1 1/2"
G. GROUT UNDER COLUMN BASE PLATES SHALL BE NON-SHRINK GROUT COMPLYING WITH ASTM C1107, f'c=5000p.s.i., AND INSTALLED PER MANUFACTURERS RECOMMENDATIONS.
H. GENERAL CONTRACTOR IS RESPONSIBLE FOR LOCATING TOP OF FOOTING ELEVATIONS AS REQUIRED FOR UNDERGROUND PLUMBING AND ELECTRICAL.

6. STRUCTURAL STEEL:
A. ALL STRUCTURAL STEEL SHALL COMPLY WITH AISC "SPECIFICATION FOR THE DESIGN OF STRUCTURAL STEEL FOR BUILDINGS" 15TH EDITION.
B. AISC "CODE OF STANDARD PRACTICE" EXCLUDING THE FOLLOWING SECTIONS: 4.4, 4.4.1, 4.4.2, AND 7.15.
C. AISC "SPECIFICATIONS FOR THE DESIGN OF COLD FORMED STRUCTURAL MEMBERS".
D. STRUCTURAL STEEL GRADES:
STEEL BEAMS ASTM A992 GRADE 50 Fy = 50,000 psi
HSS SQUARE & RECTANGLES ASTM500 GRADE C Fy = 50,000 psi
HSS ROUND COLUMNS: Fy = 50,000 psi
PIPE ASTM A53 GRADE B Fy = 35,000 psi
BASE PLATES, CAP PLATES AND CAP PLATE STIFFENERS
ASTM A572 GRADE 50 Fy = 50,000 psi
ANGLES ASTM A36 Fy = 36,000 psi
E. ALL BOLTED CONNECTIONS SHALL BE ASTM A307 BOLTS UNLESS OTHERWISE SPECIFIED (NO SPECIAL INSPECTION REQUIRED).
F. ALL BOLTED CONNECTIONS SHALL BE "SNUG-TIGHT", UNLESS NOTED OTHERWISE IN ACCORDANCE WITH RISC.
G. METAL PAN DECK SHALL BE 20ga ASTM A653 GRADE 40.

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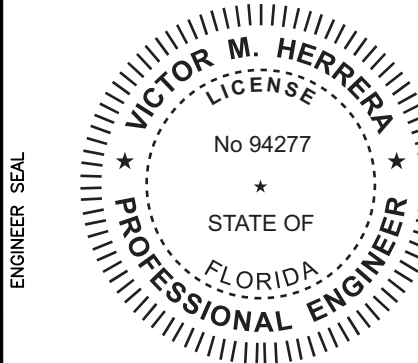
DRAWING DESCRIPTION

CANOPY STRUCTURAL
NOTES AND PLANS

JOB LOCATION

7-ELEVEN #42659
ST JOHN'S HERITAGE PKWY & EMERSON DR NW
PALM BAY, FL

ENGINEER SEAL



CUSTOMER 7-ELEVEN, INC. - CYPRESS WATERS

REVISIONS

BY:

DATE:

NO.

DESCRIPTION:

M. KOVAL
DRAWN BY:

V. HERRERA, PE
CHECKED BY:

05-12-2025
DATE:

JOB NO.

25-1746R0

DWG. NO.

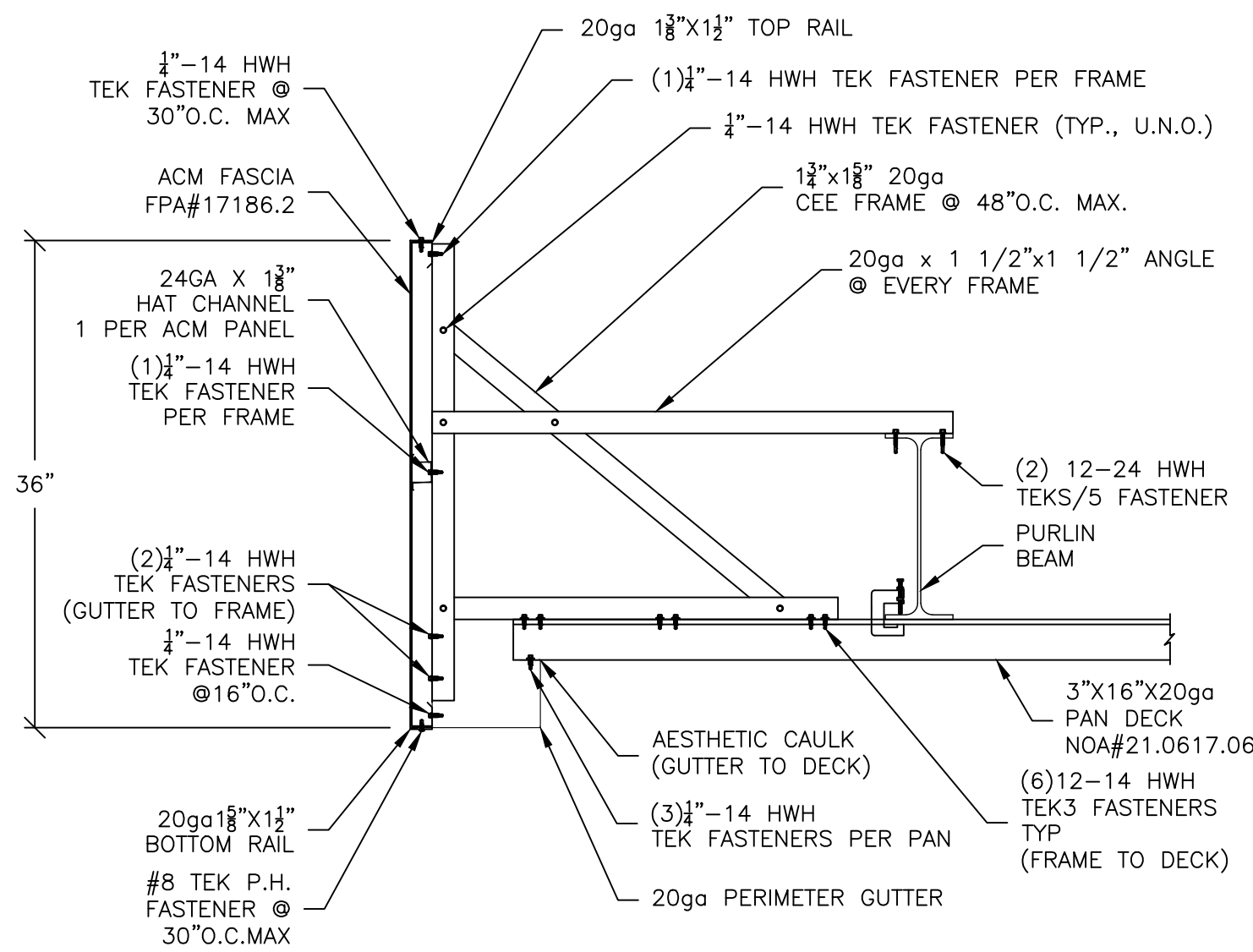
CS1

OF 3 SHEETS

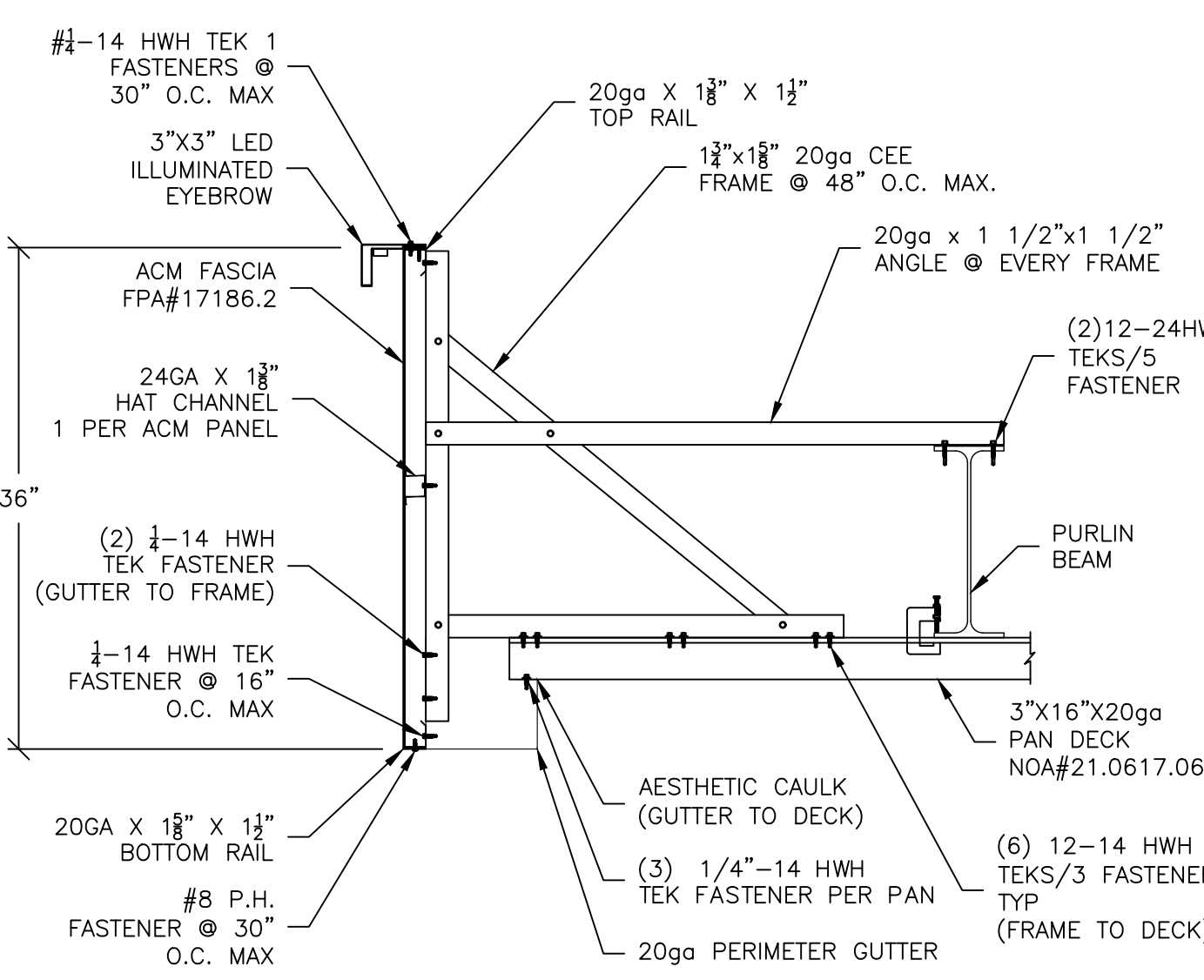
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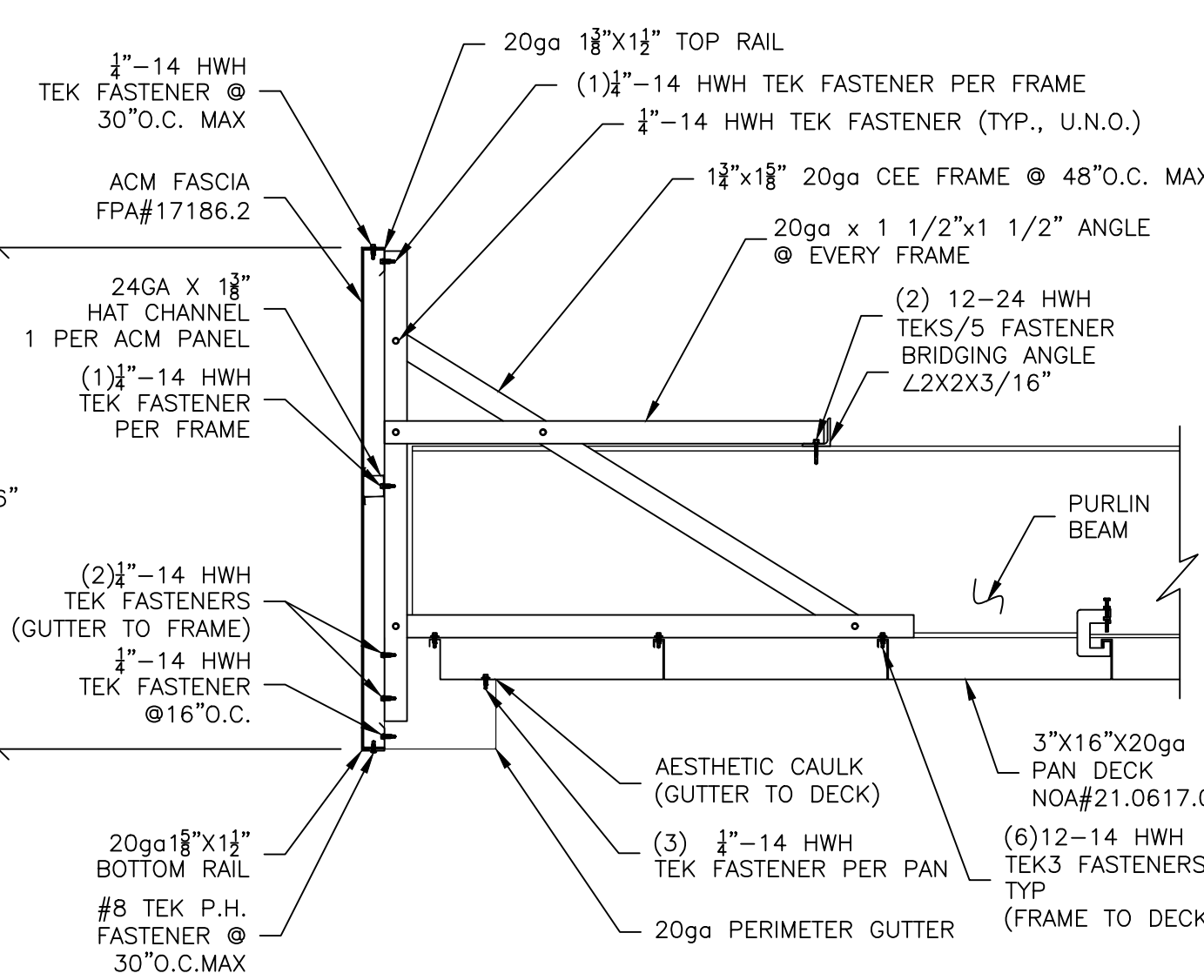




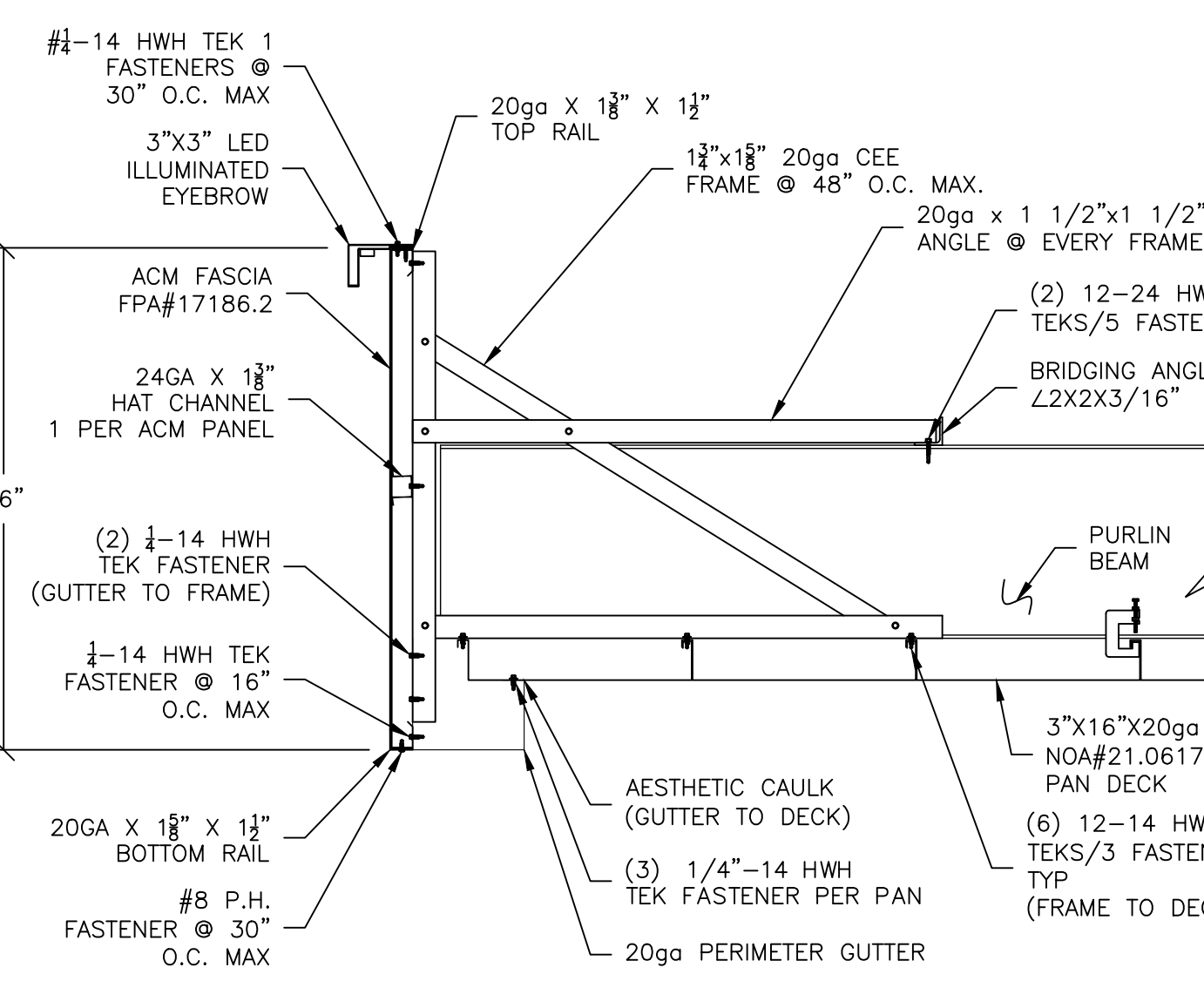
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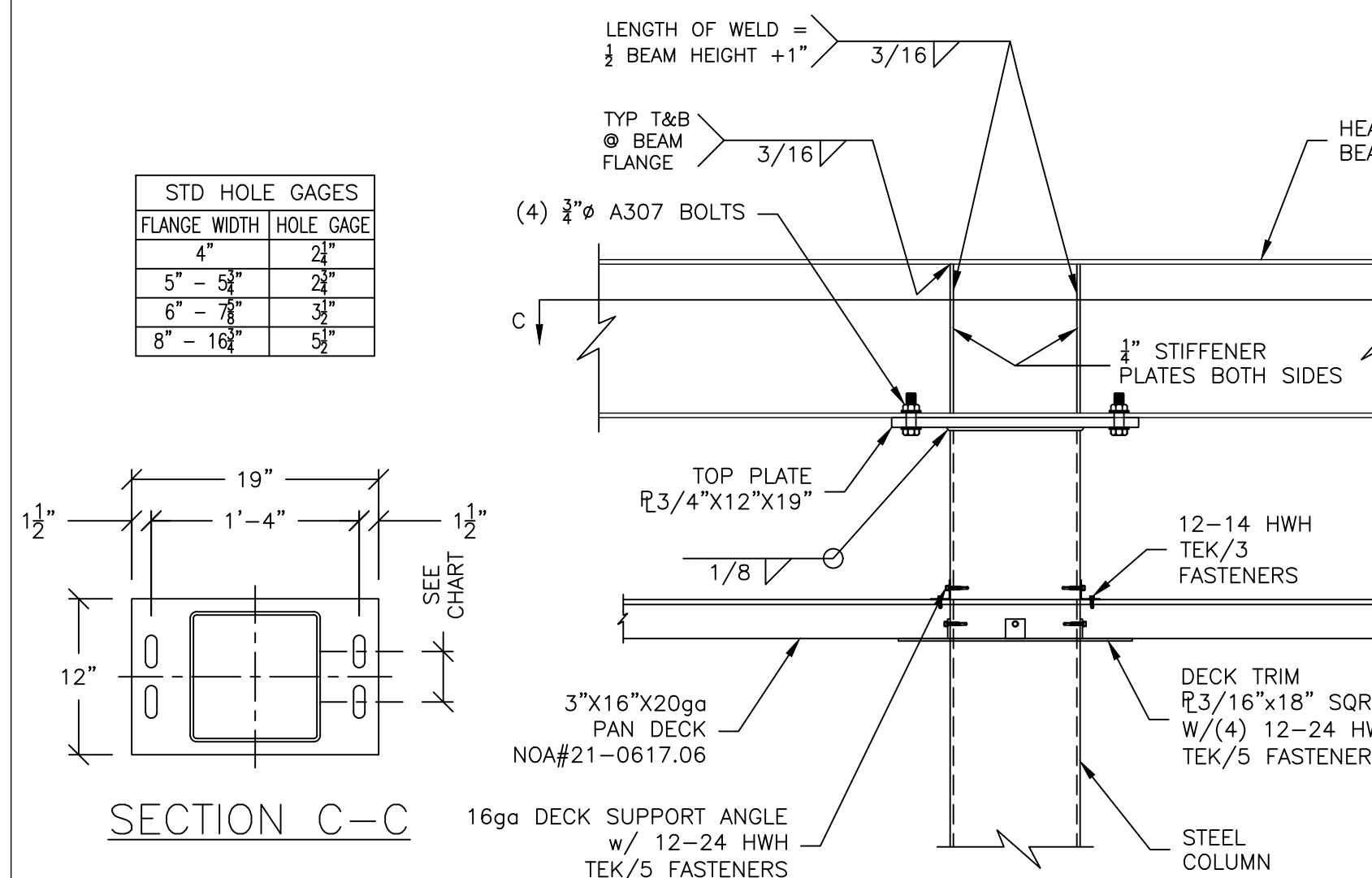
1A SIDE FASCIA DETAIL
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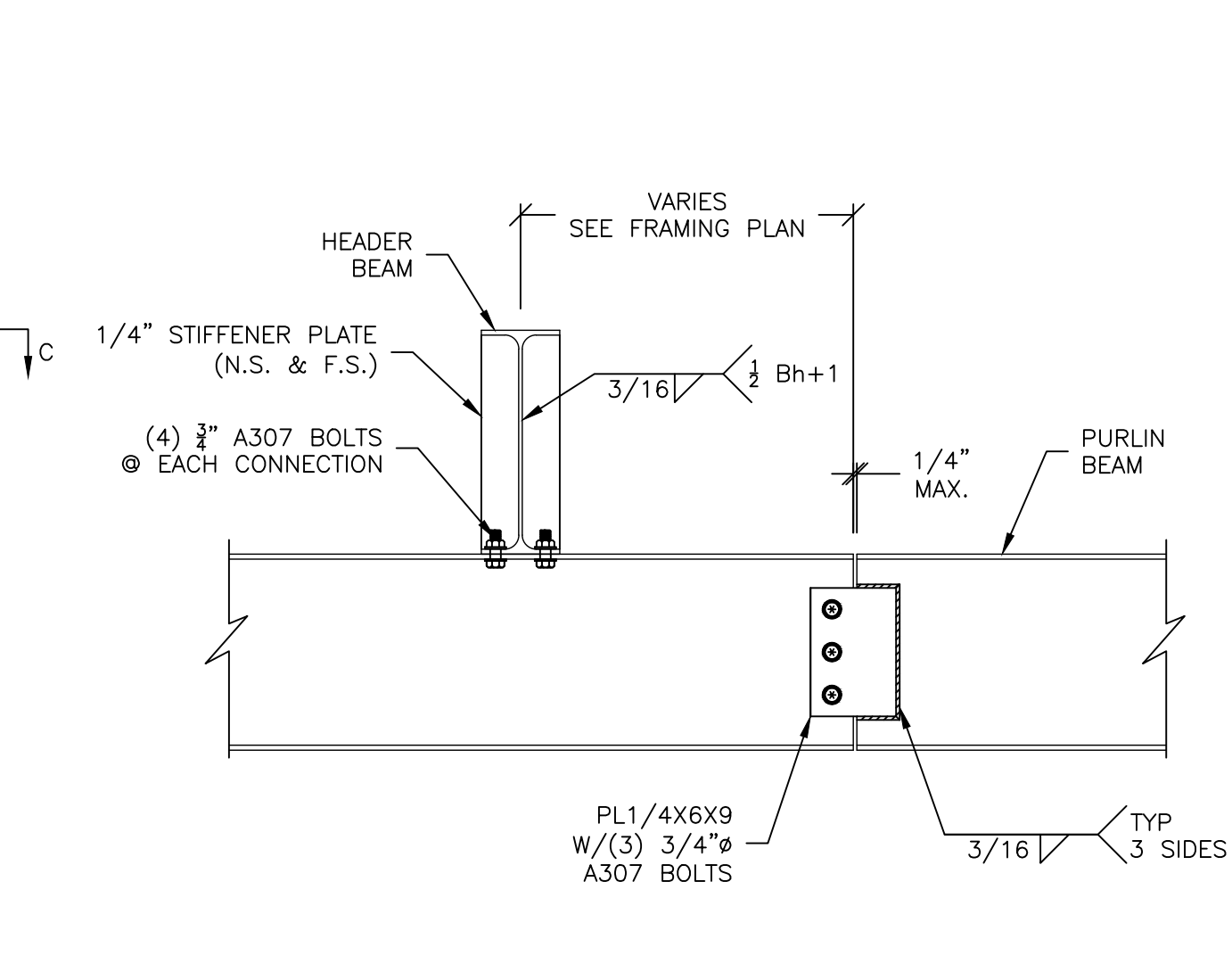
2 END FASCIA DETAIL
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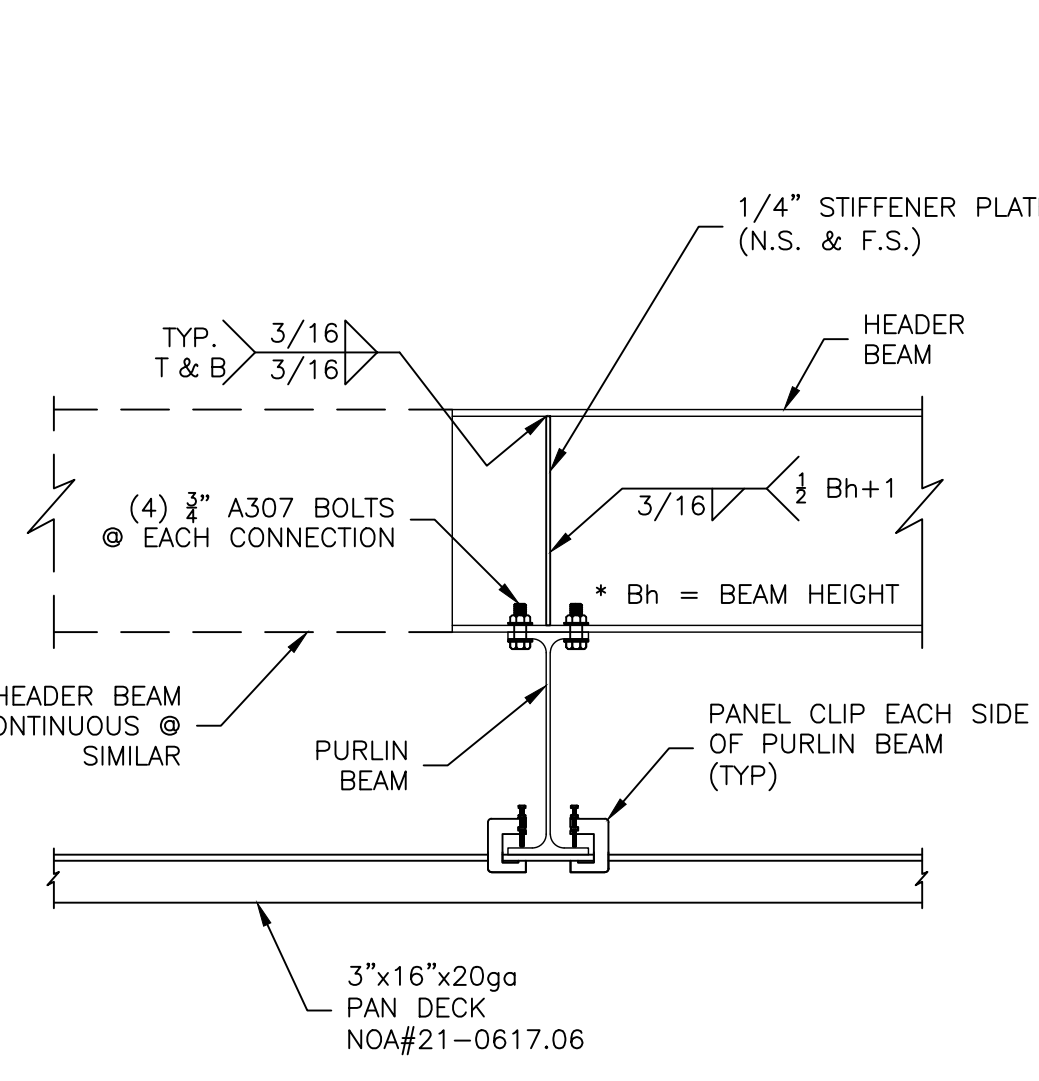
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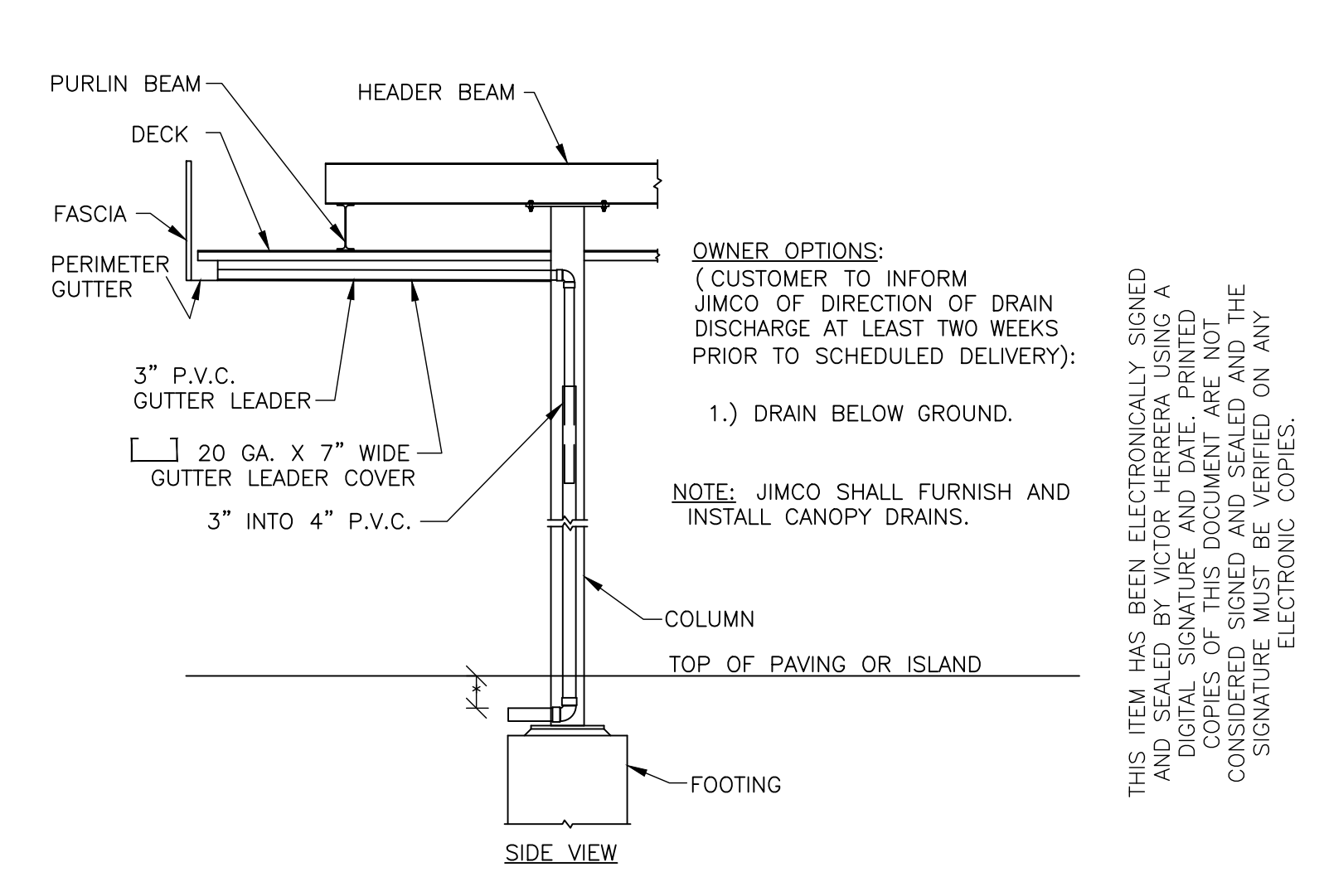
3 COLUMN/BEAM CONNECTION DETAIL
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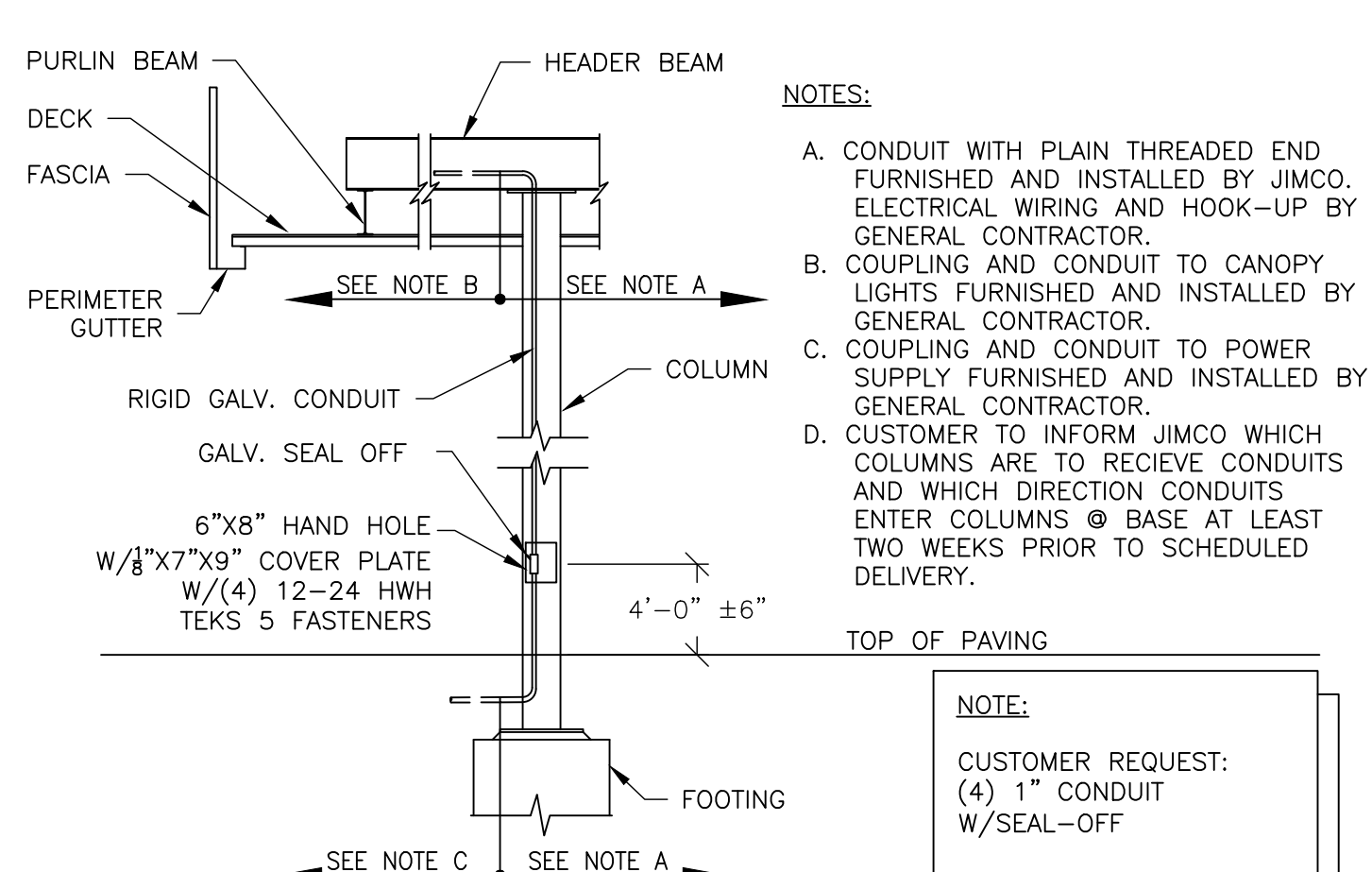
4 BEAM SPLICE DETAIL
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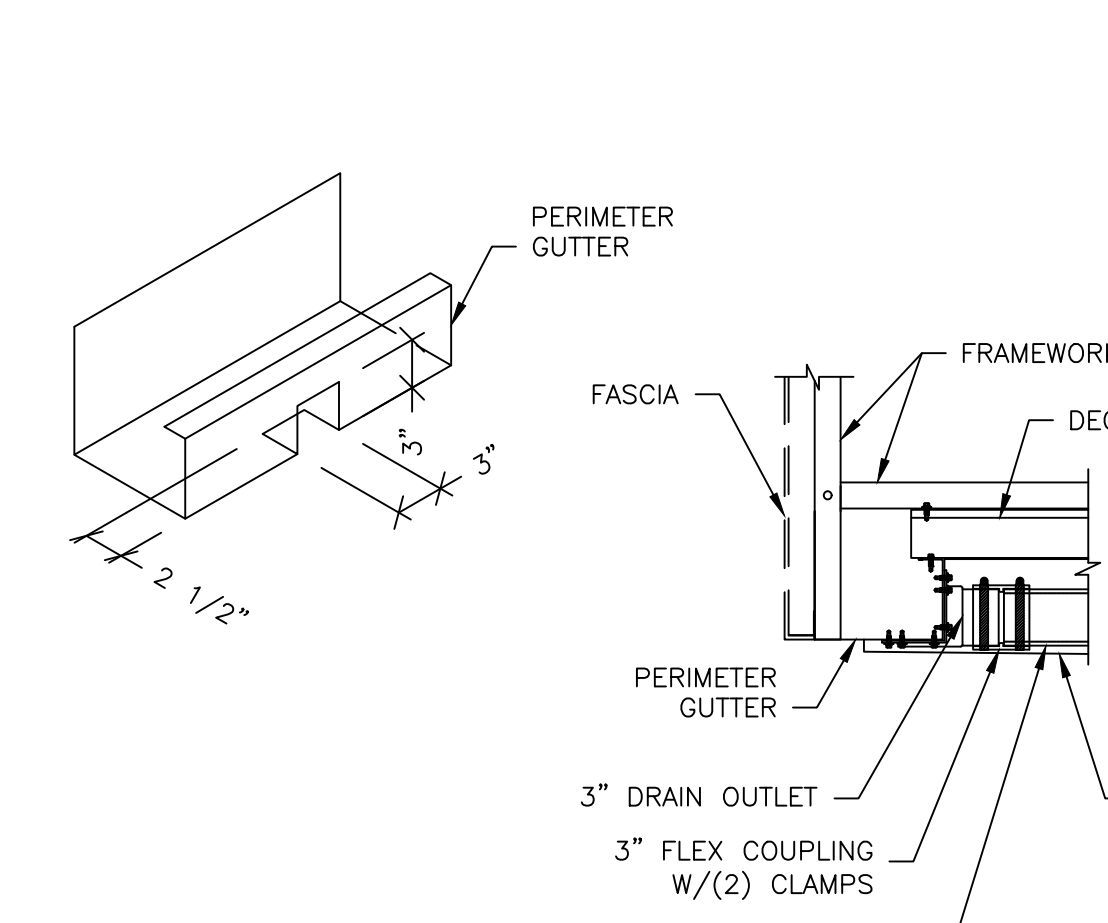
5 BEAM CONNECTION DETAIL
SCALE: 1"=1'-0"



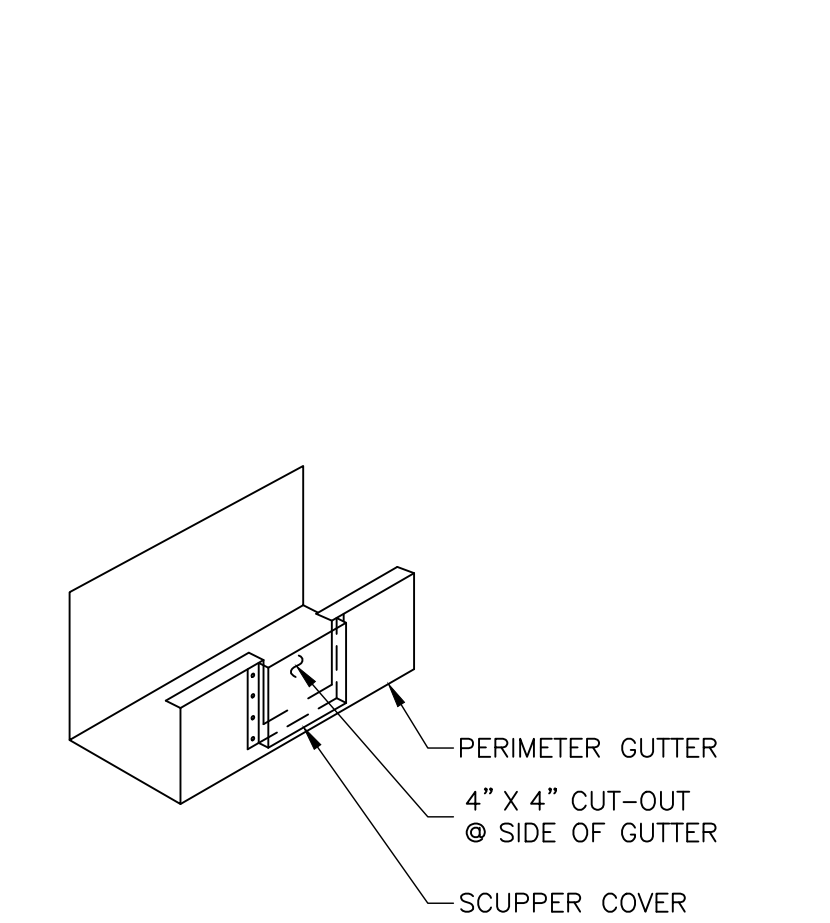
6 COLUMN DRAIN DETAIL
SCALE: 3"=1'-0"



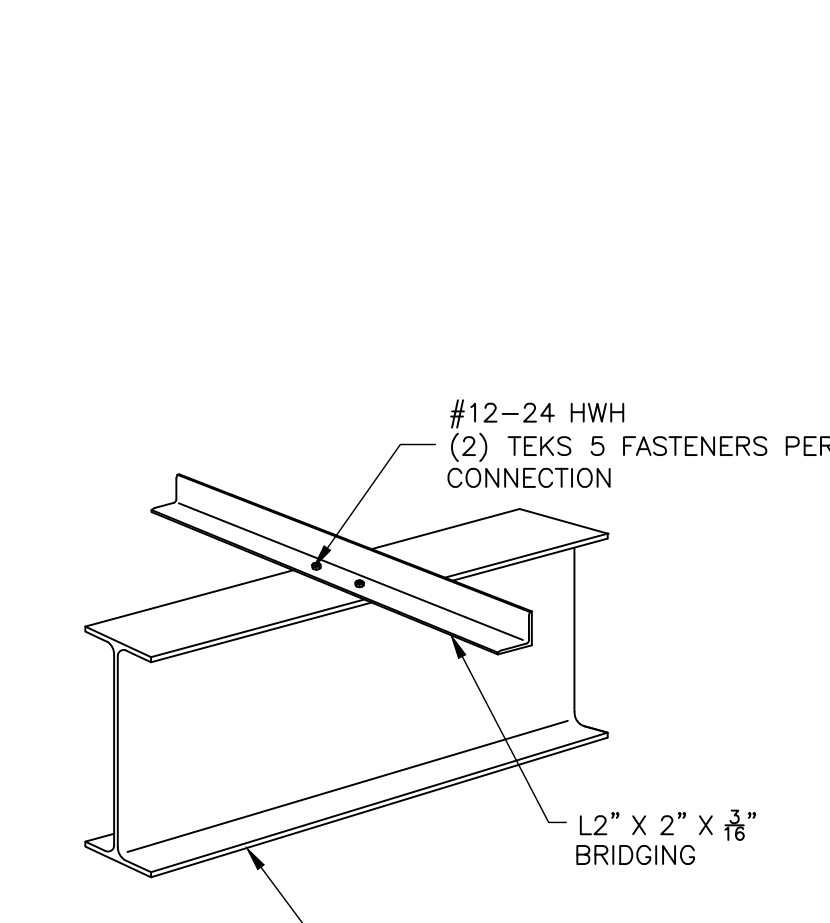
6A INTERNAL CONDUIT DETAIL
SCALE: 3"=1'-0"



7 DRAIN CONNECTION DETAIL
SCALE: 1"=1'-0"



8 OVERFLOW SCUPPER DETAIL
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9 PURLIN BRIDGING DETAIL
SCALE: 1"=1'-0"

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ENGINEER SEAL			
CUSTOMER	7-ELEVEN, INC. - CYPRESS WATERS	NO.	DATE:
REVISIONS		DESCRIPTION:	BY:
M. KOVAL		V. HERRERA, PE	05-12-2025
DRAWN BY:		CHECKED BY:	DATE:
JOB NO.		DWG. NO.	
25-1746R0		CS2	
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Signature - Matt Webb - Approved - 12/29/2025

SHEET NUMBER
C4.1

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