

TENSA VINYL BUILDING ATTACHED ROOFING / CANOPY STRUCTURE

GENERAL NOTES:

1. THIS SYSTEM HAS BEEN VERIFIED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 2026 FBC 9TH EDITION, AND HVHZ TEST PROTOCOLS TAS 201, TAS 202, AND TAS 203.
2. MATERIAL SELECTION AND CORROSION PROTECTION SHALL BE VERIFIED FOR THE APPLICABLE COASTAL DISTANCE AND EXPOSURE CONDITION IN ACCORDANCE WITH SECTION 1711 AND TABLE 1711.1 OF THE 2026 FLORIDA BUILDING CODE
3. **CORROSION PROTECTION:** ANCHORS AND ALL RELATED ATTACHMENT HARDWARE SHALL BE MANUFACTURED FROM CORROSION-RESISTANT MATERIALS OR PROTECTED BY AN APPROVED CORROSION-RESISTANT FINISH. FOR INSTALLATIONS WITHIN 3,000 FEET OF A SALTWATER COASTLINE, PROVIDE THE FOLLOWING:
- FASTENERS INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED TO ASTM A153, CLASS D; ASTM A641, CLASS 3S; OR PROVIDED WITH EQUIVALENT CORROSION PROTECTION.
- CONNECTORS AND METAL PLATES SHALL HAVE A STANDARD GALVANIZED FINISH COMPLYING WITH ASTM A653, G90; ASTM A123; OR AN APPROVED PROTECTIVE COATING COMPLYING WITH TPI 1.
4. THESE DRAWINGS ARE GENERAL PRODUCT APPROVAL DRAWINGS AND ARE NOT PREPARED FOR A SPECIFIC PROJECT SITE. SITE-SPECIFIC CONDITIONS SHALL BE REVIEWED BY THE ENGINEER OF RECORD OR OTHER FLORIDA LICENSED PROFESSIONAL ENGINEER.
5. THIS PRODUCT APPROVAL IS VALID ONLY FOR THE FABRIC SYSTEM COMPONENTS, CONFIGURATION, MAXIMUM DIMENSIONS, AND DESIGN PRESSURES SHOWN HEREIN. ANY DEVIATION, MODIFICATION, OR SUBSTITUTION SHALL REQUIRE ENGINEERING REVIEW AND APPROVAL PRIOR TO INSTALLATION.
6. ALL CONNECTION DETAILS SHOWN IN THIS APPROVAL ARE GENERIC / TYPICAL DETAILS ONLY. FINAL CONNECTIONS, INCLUDING BUT NOT LIMITED TO BASE PLATES, END CLIPS, ANCHORS, WELDS, BOLTS, SUBSTRATES, HOST STRUCTURE, AND CONNECTIONS TO THE BUILDING OR SUPPORTING FRAME, SHALL BE DESIGNED AND VERIFIED BY OTHERS FOR THE SITE-SPECIFIC CONDITIONS.
7. SUPPORTING STRUCTURE, PRIMARY FRAMING, SECONDARY FRAMING, HOST STRUCTURE, SUBSTRATES, ANCHORAGE, AND COMPLETE LOAD PATH ARE NOT INCLUDED IN THIS PRODUCT APPROVAL AND SHALL BE DESIGNED BY OTHERS.
8. DEFLECTIONS OF THE FABRIC SYSTEM, SUPPORTING MEMBERS, ANCHORAGE, AND CONNECTIONS SHALL BE CHECKED BY THE ENGINEER OF RECORD OR OTHER FLORIDA LICENSED PROFESSIONAL ENGINEER RESPONSIBLE FOR THE SITE-SPECIFIC DESIGN. DEFLECTION LIMITS SHALL SATISFY THE FLORIDA BUILDING CODE, PROJECT REQUIREMENTS, AND THE AUTHORITY HAVING JURISDICTION.
9. THE FABRIC SYSTEM MAY DEVELOP LARGE DEFLECTIONS AND CATENARY FORCES UNDER WIND LOADING. THESE FORCES SHALL BE CONSIDERED IN THE SITE-SPECIFIC DESIGN OF THE SUPPORTING STRUCTURE, ATTACHMENT SYSTEM, ANCHORAGE, CONNECTIONS, AND COMPLETE LOAD PATH.
10. WHERE REQUIRED BY THE AUTHORITY HAVING JURISDICTION, SIGNED AND SEALED SITE-SPECIFIC SHOP DRAWINGS AND CALCULATIONS SHALL BE PROVIDED FOR THE FABRIC SYSTEM INSTALLATION, SUPPORTING STRUCTURE, CONNECTIONS, ANCHORAGE, AND COMPLETE LOAD PATH.
11. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS, SUBSTRATE CAPACITY, DIMENSIONS, CLEARANCES, EDGE CONDITIONS, AND INSTALLATION TOLERANCES PRIOR TO INSTALLATION. ANY DISCREPANCY SHALL BE SUBMITTED TO THE ENGINEER OF RECORD FOR REVIEW PRIOR TO INSTALLATION.
12. ALL MATERIALS, FASTENERS, ANCHORS, CABLES, CLAMPS, BRACKETS, AND HARDWARE SHALL BE INSTALLED IN ACCORDANCE WITH THIS APPROVAL, APPROVED SHOP DRAWINGS, SITE-SPECIFIC ENGINEERING DOCUMENTS, AND MANUFACTURER REQUIREMENTS.
13. ALL ANCHORS, FASTENERS, AND EXPOSED STEEL COMPONENTS SHALL HAVE CORROSION PROTECTION SUITABLE FOR THE PROJECT ENVIRONMENT. ANCHORS IN CONTACT WITH PRESSURE-TREATED WOOD SHALL BE COMPATIBLE WITH THE CHEMICALS IN THE WOOD.
14. THE CONTRACTOR SHALL ENSURE THAT INSTALLATION DOES NOT CREATE SHARP EDGES, ABRASION POINTS, WATER TRAPS, OR OTHER CONDITIONS THAT MAY DAMAGE THE VINYL FABRIC, SEAMS, CABLES, OR ATTACHMENT COMPONENTS.
15. ALL LOADS AND DESIGN PRESSURES SHOWN IN THESE DRAWINGS ARE BASED ON ALLOWABLE STRESS DESIGN (ASD)

FABRIC ROPE SPECS:

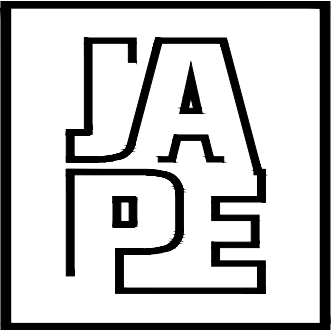
HD(13)-10-30 - 13mm Double Flag, 30mm Flag, Black, 200m Length

- Style: Type H (Base Weight Cloth: 750 GSM)
- Double Flag
- 13mm Diameter
- 10mm Weld
- 30mm Flag
- Panama Weave Fabric

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08	INSTALLATION DETAIL

FABRIC SPECIFICATIONS:

Base Fabric Type	Polyester	Polyester
Base Fabric Weight (nominal)	7.5 oz/yd²	250 g/m²
Finished Coated Weight <i>ASTM D751</i>	28.0 oz/yd² (+2/-1 oz/yd²)	950 g/m² (+70/-35 g/m²)
	NOTE: Average weight of opaque fabrics will be ~4 oz/yd² (140 g/m²) heavier	
Trapezoid Tear <i>ASTM D4533</i>	85/85 lb	380/380 N
Grab Tensile <i>ASTM D751</i>	700/700 lb	3115/3115 N
Strip Tensile <i>ASTM D751 Procedure B</i>	515/515 lb/in	4500/4500 N/50 mm
Adhesion <i>ASTM D751 Dielectric Weld</i>	10 lb/in	90 N/50 mm
Hydrostatic Resistance <i>ASTM D751 Procedure A</i>	500 PSI	3.45 MPa
Dead Load Seam Strength ASTM D751 2 in (50 mm) seam, 4 hr, 1 in (25 mm) strip	266 lb @ 70°F 133 lb @ 160°F	1180 N @ 21°C 590 N @ 71°C
Low Temperature <i>ASTM D2136</i> 1/8" mandrel, 4 hr	LTC LTA Pass @ -40°F Pass @ -67°F	Pass @ -40°C Pass @ -55°C
Flame Resistance	Meets NFPA 701; ULC-S109; ASTM 6413 - 2 second flameout;Registered by California Fire Marshal (No. F-10301); GB8624-2006;ASTM E84 & ULC-S102 - flame spread index ≤25, smoke development rating ≤450;EN-13501-1: B-s2, d0	



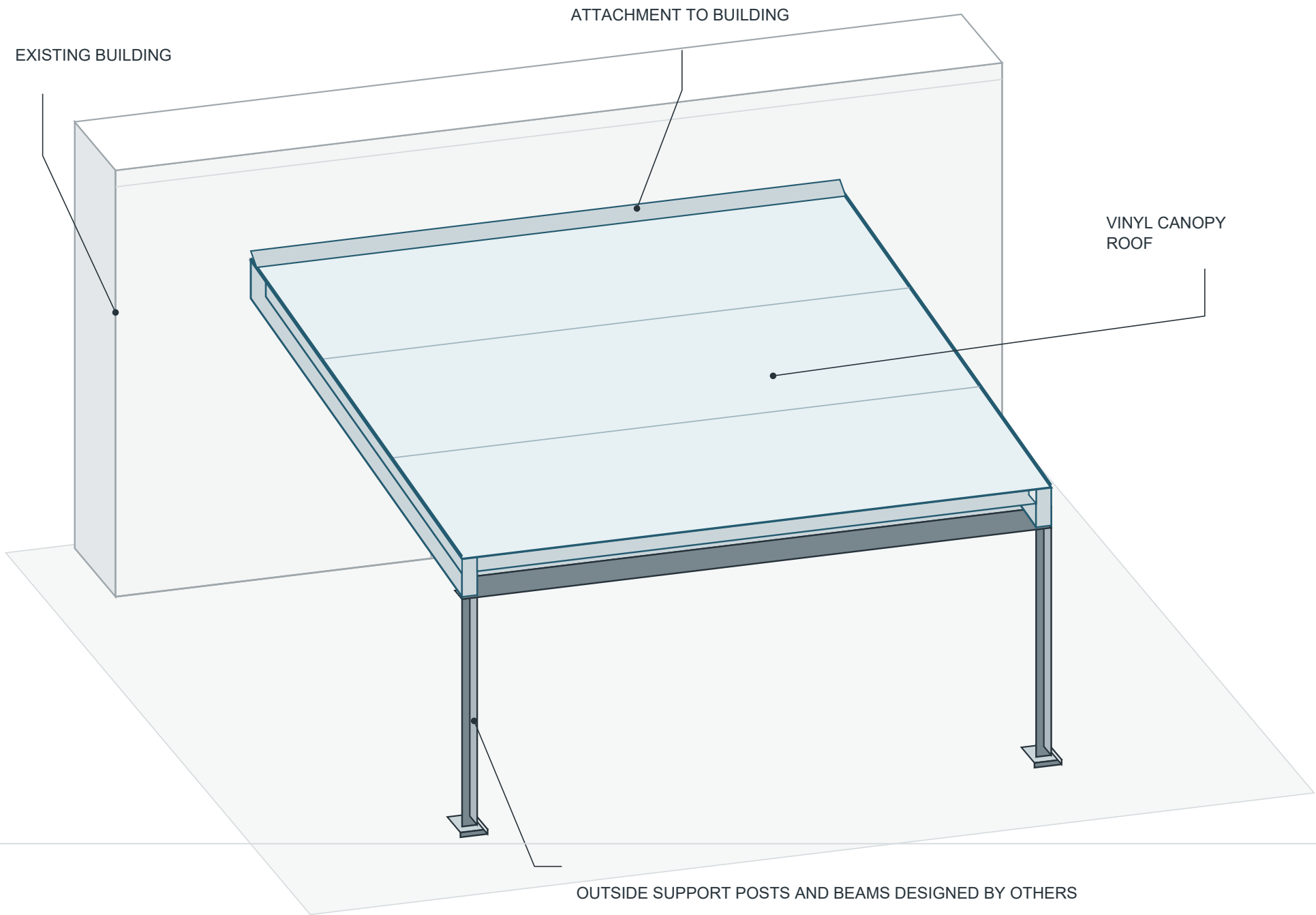
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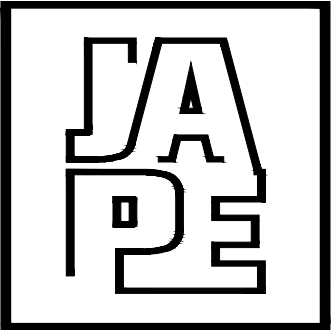
PROJECT :			
TENSA VINYL BUILDING ATTACHED ROOFING/ CANOPY STRUCTURE			
CLIENT :			
EVENTSTAR STRUCTURES CORP.			
8100 NW 90TH ST, MIAMI, FL 33166			
REVISION			
No.	DATE	BY	DESCRIPTION
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drawn by:		M.S.	
check by:			
Drawing no.		JA-1613-25	
Eng: JAVAD AHMAD, PE CIVIL FLA. PE # 70592 – C.A.N. 34254			
			
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COVER PAGE			SHEET No. 01 OF 08

TENSA VINYL CANOPY

TYPICAL BUILDING-ATTACHED CONDITION



SKETCH E-01 / REV. 1



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No.	DATE	BY	DESCRIPTION
1	09/10/26		ADD ELEV.

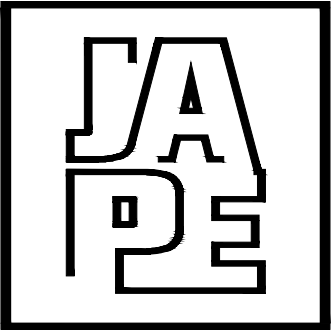
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CANOPY
ELEVATIONS

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01A



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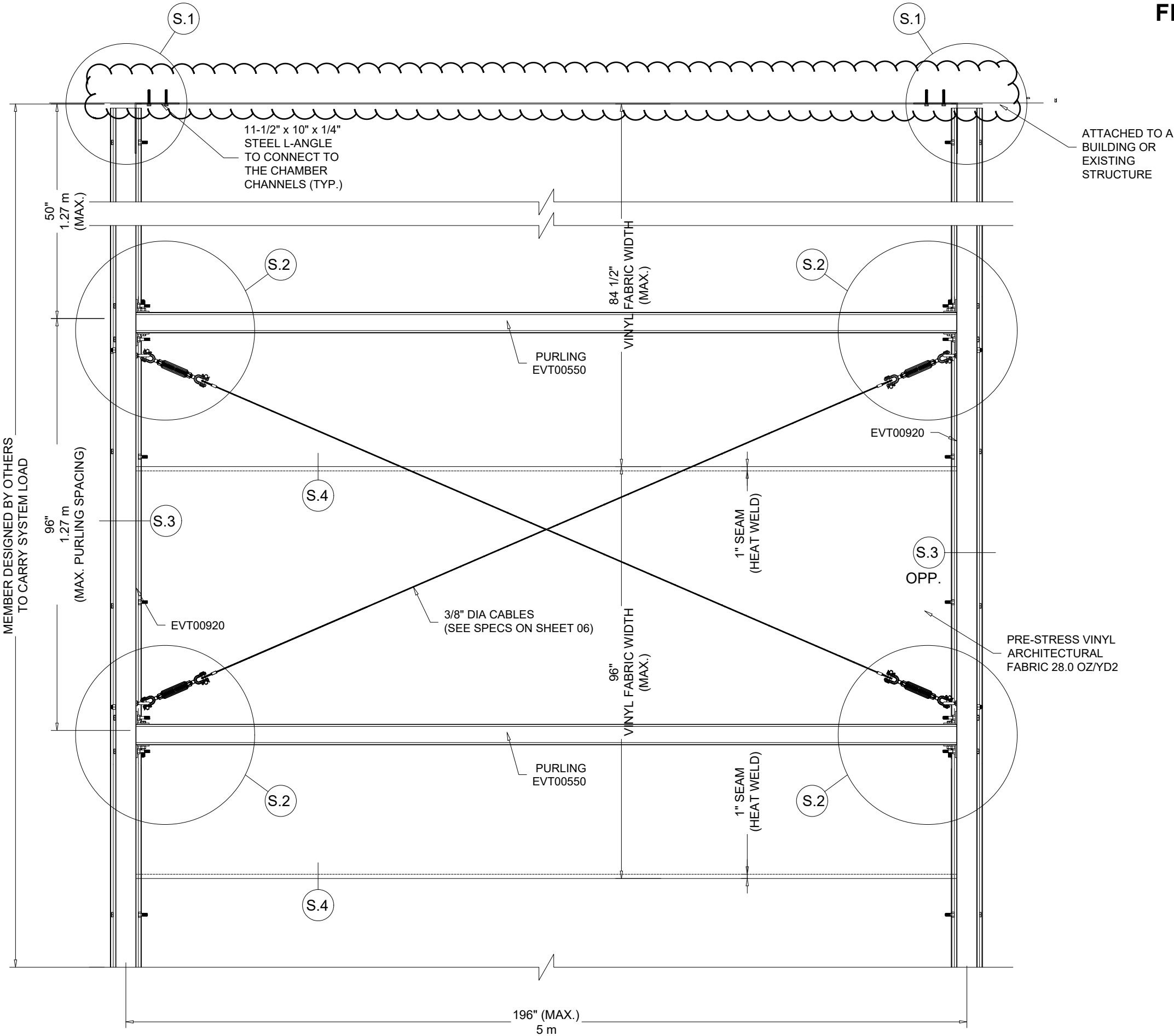
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PLAN VIEW

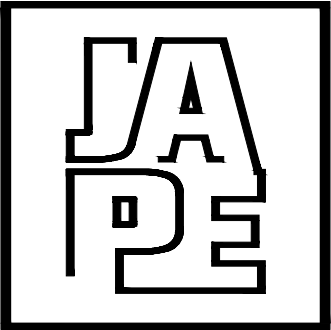
SHEET No.
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ALLOWABLE DESIGN PRESSURE:
±95.0 PSF (MAX.)
BASED ON ALLOWABLE STRESS
DESIGN (ASD)

NOTE: PLEASE REFER TO GENERAL NOTES ON SHEET 1 OF 8

TOP PLAN VIEW



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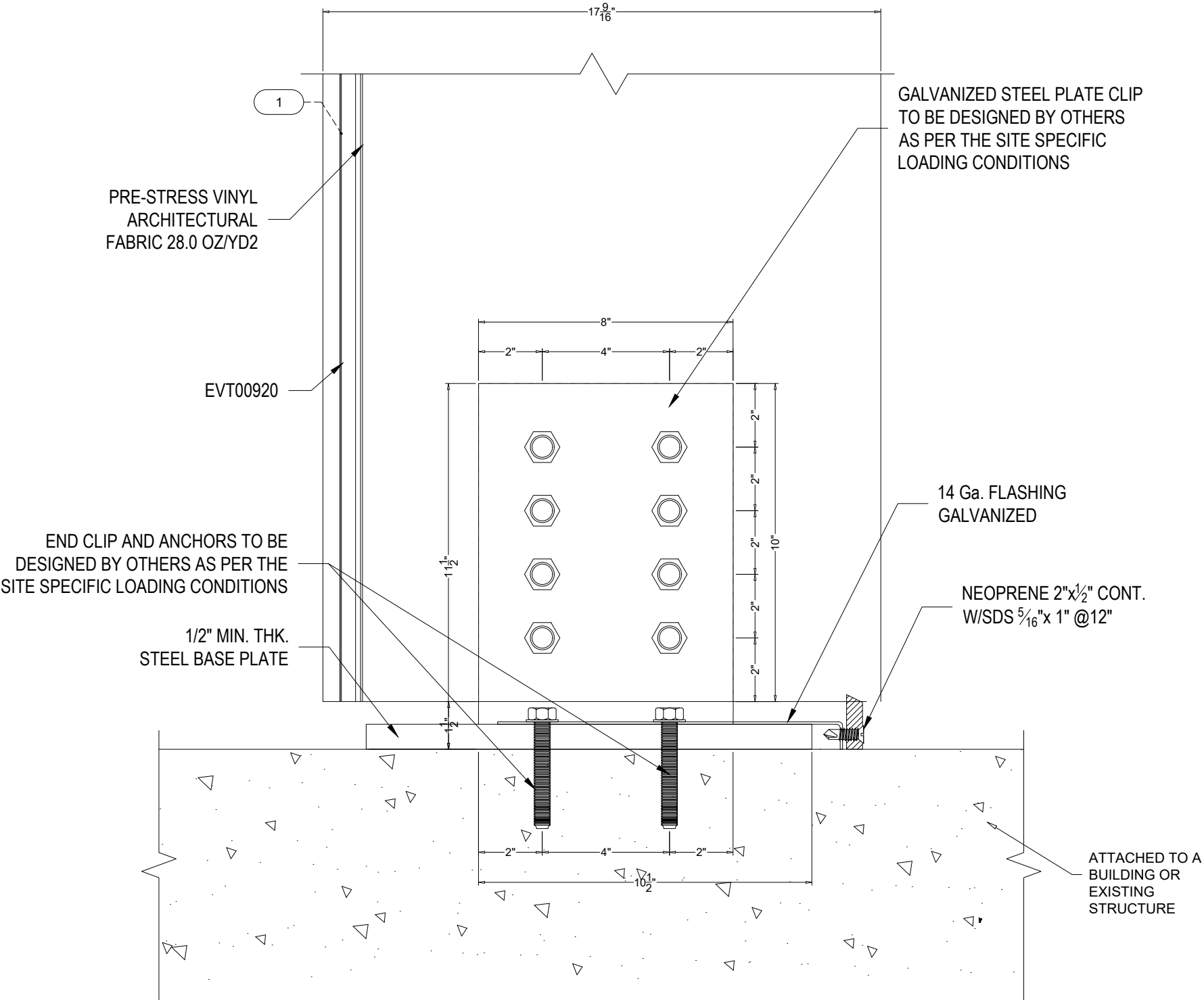
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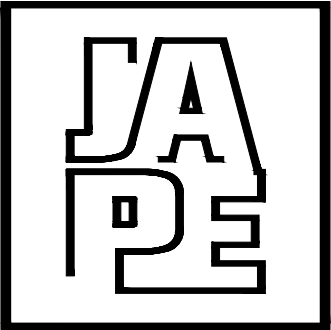
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S1 SECTION DETAIL

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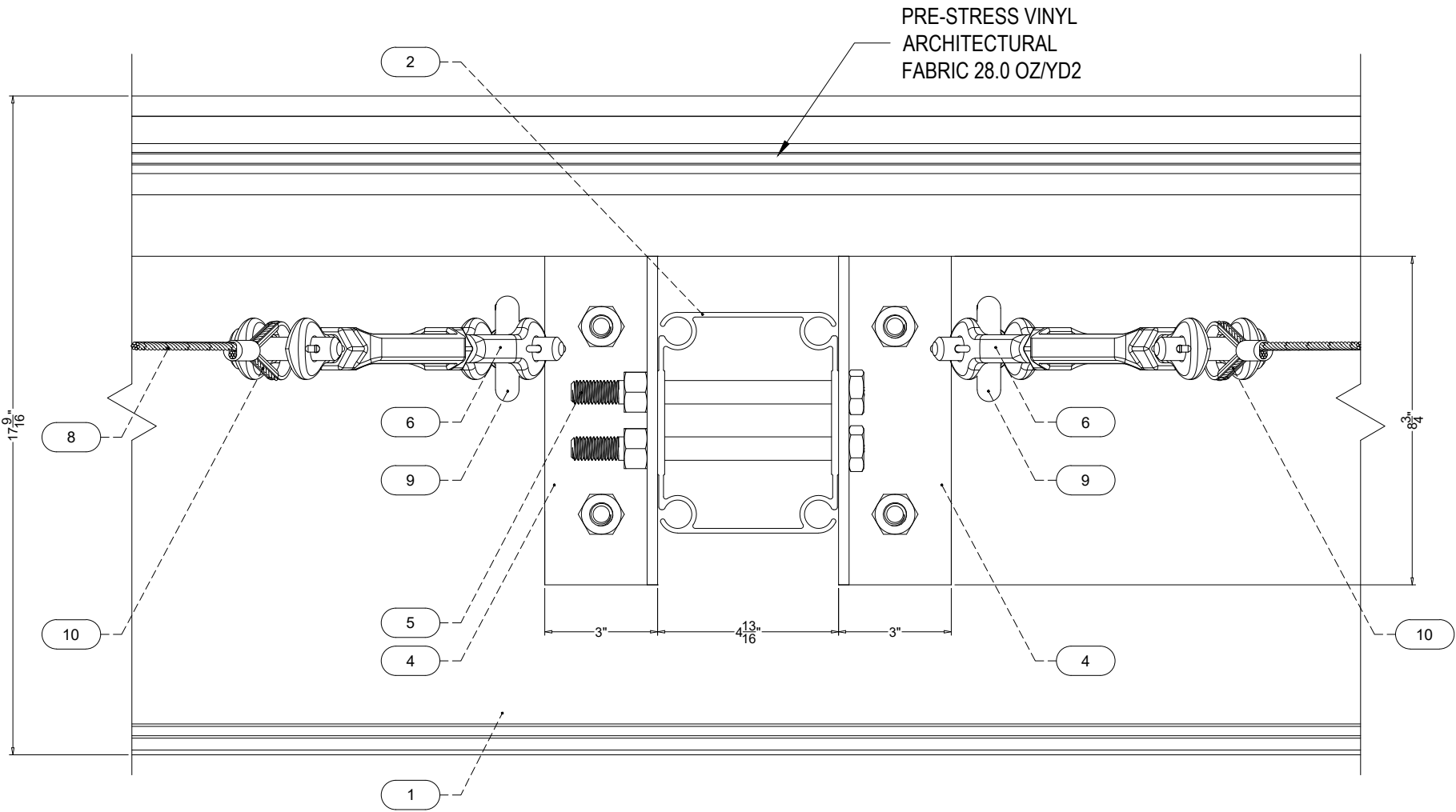
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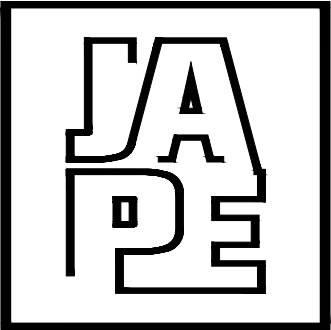
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S2 SECTION DETAIL



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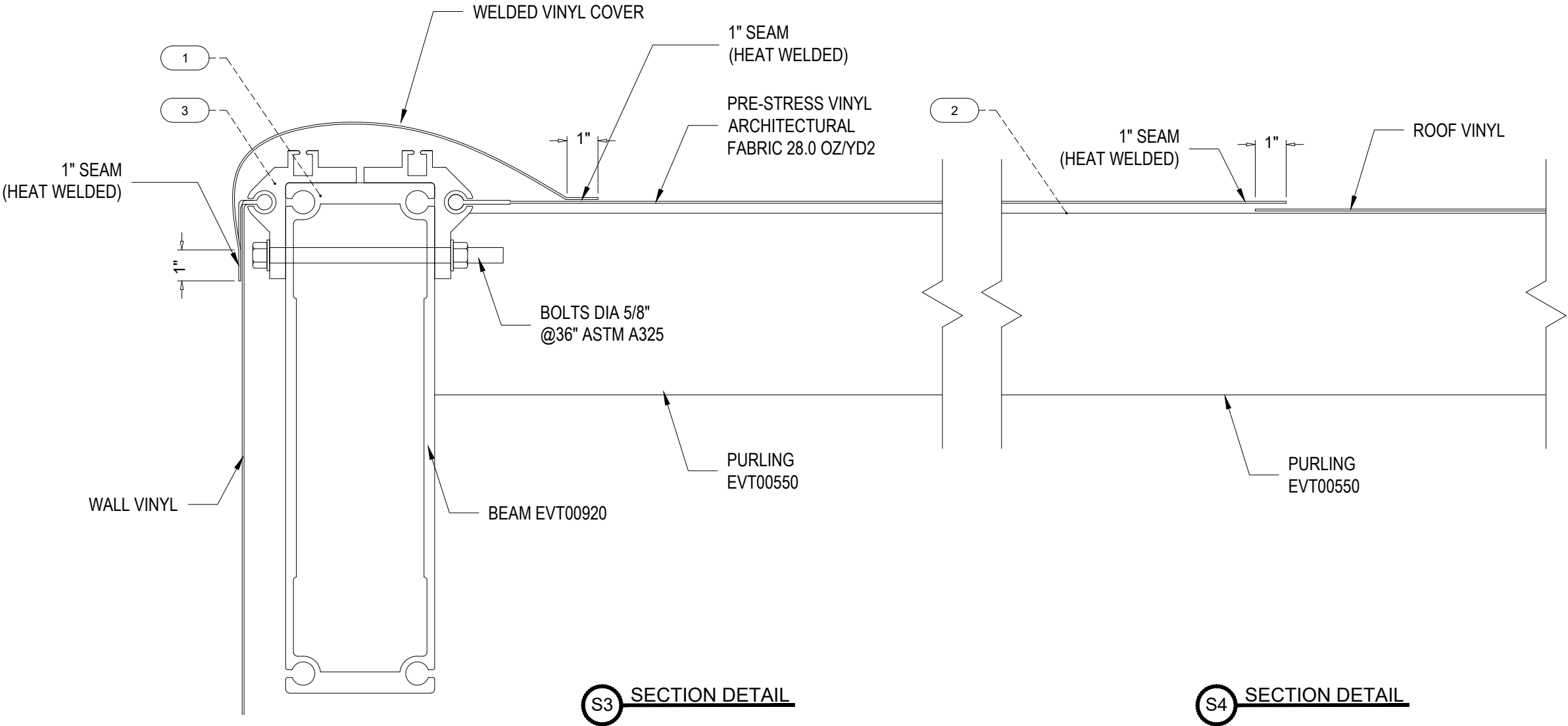
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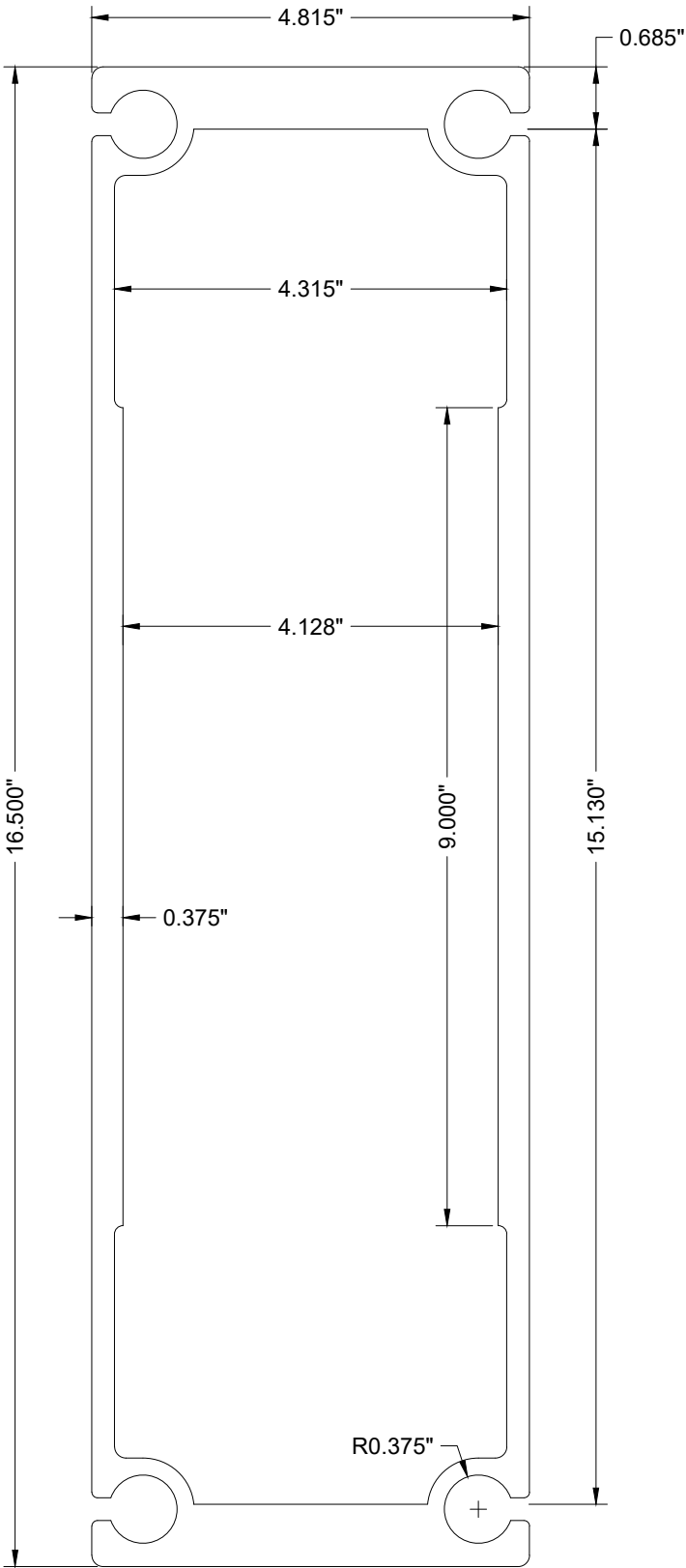


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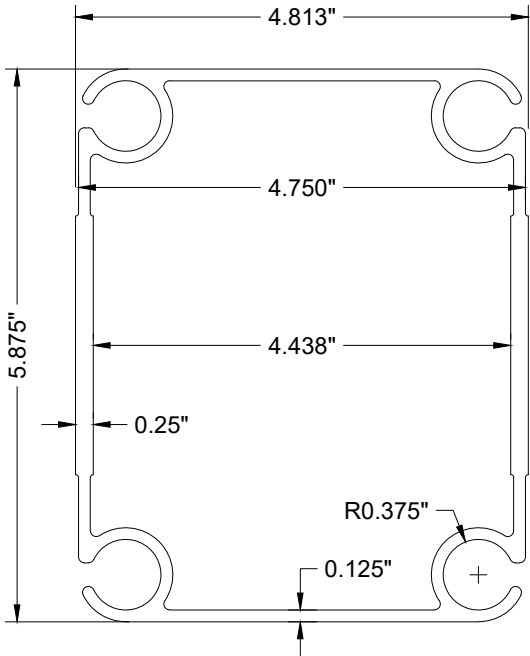
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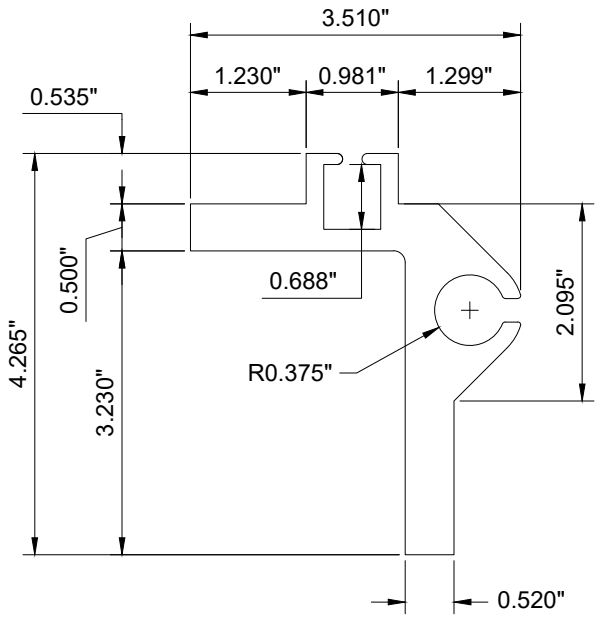


1 FABRIC TUBE
SCALE = 6" = 1'-0"

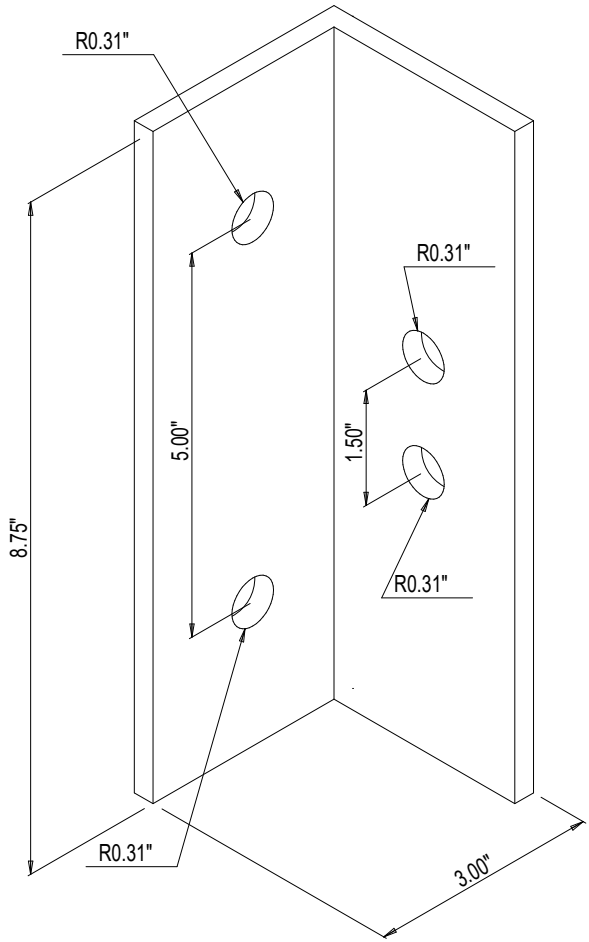
BILL OF MATERIALS				
ITEM #	PART #	DESCRIPTION	MATERIAL	MANF. / SUPPLIER / REMARKS
1	HS-1	EVT00920	6063-T6	-
2	HS-2	PURLING EVT00550	6063-T6	-
3	HS-3	PRE-STRESS CLAMP CONT.	6063-T6	-
4	HS-4	3X3X1/4" THK. ALUM. END CONNECTION ANGLES	6063-T6	-
5	M01	5/8" DIA BOLTS	ASTM A325	-
6	-	JAW AND JAW TURNBUCKLES 3/4"X12" 5200 LBS	STEEL	-
7	-	SLEEVE DIA. 3/8" ALUMINUM 172 (@ EACH END)	ALUMINUM	-
8	-	7X19 - 3/8" DIA. AIRCRAFT CABLE	STEEL	-
9	-	3/4" X 6" BOLT - 5/8 BAIL 3/4" EYE NUT	ASTM A325	-
10	-	HEAVE DUTY WIRE ROPE THIMBLE 3/8" (@ EACH END)	-	-



2 PURLING TUBE
SCALE = 6" = 1'-0"

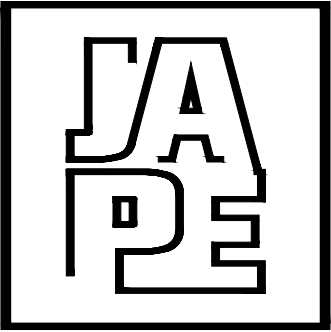


3 TUBE CLAMP CONT.
SCALE = 6" = 1'-0"



4 3 X 3 X 1/4" THK. ANGLE
SCALE = 6" = 1'-0"

FL# 48202



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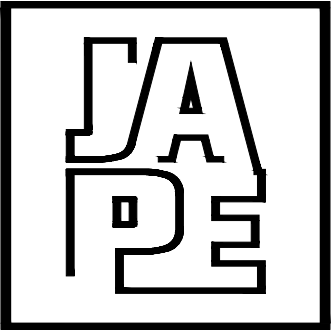
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B.O.MATERIAL

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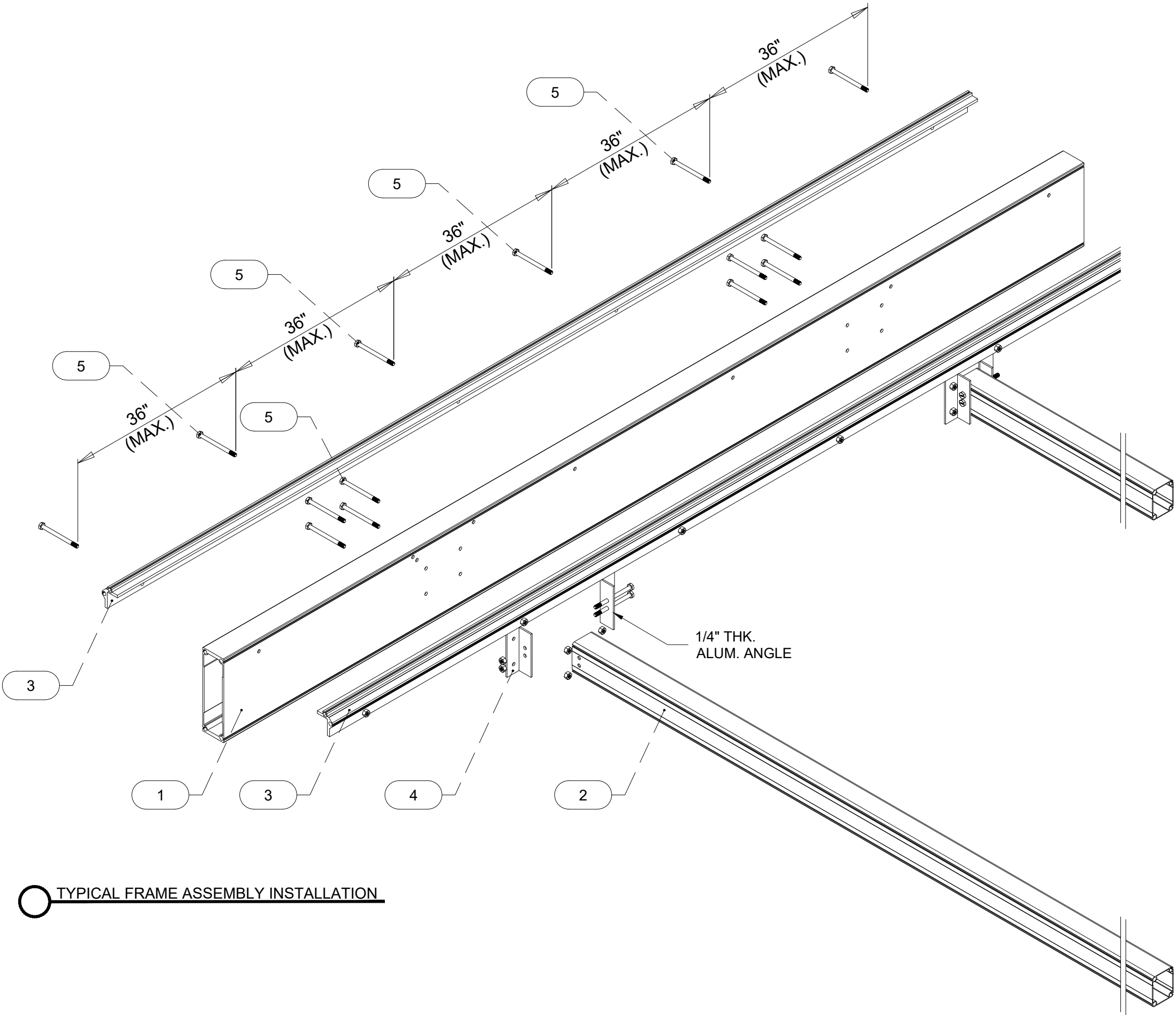
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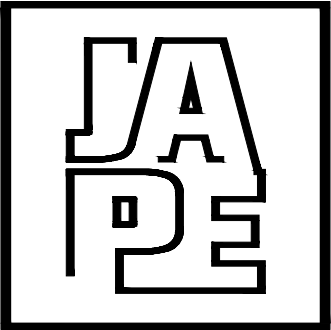
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TYPICAL FRAME ASSEMBLY INSTALLATION



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