

12" (305 mm) EXTRUDED PANEL
SCALE: 6" = 1'-0"

NOTES

THE EXTRUDED PANELS SHALL CONFORM TO THE REQUIREMENTS ASTM B221, ALLOY 6063-T6 AND THE FOLLOWING SECTION PROPERTIES:

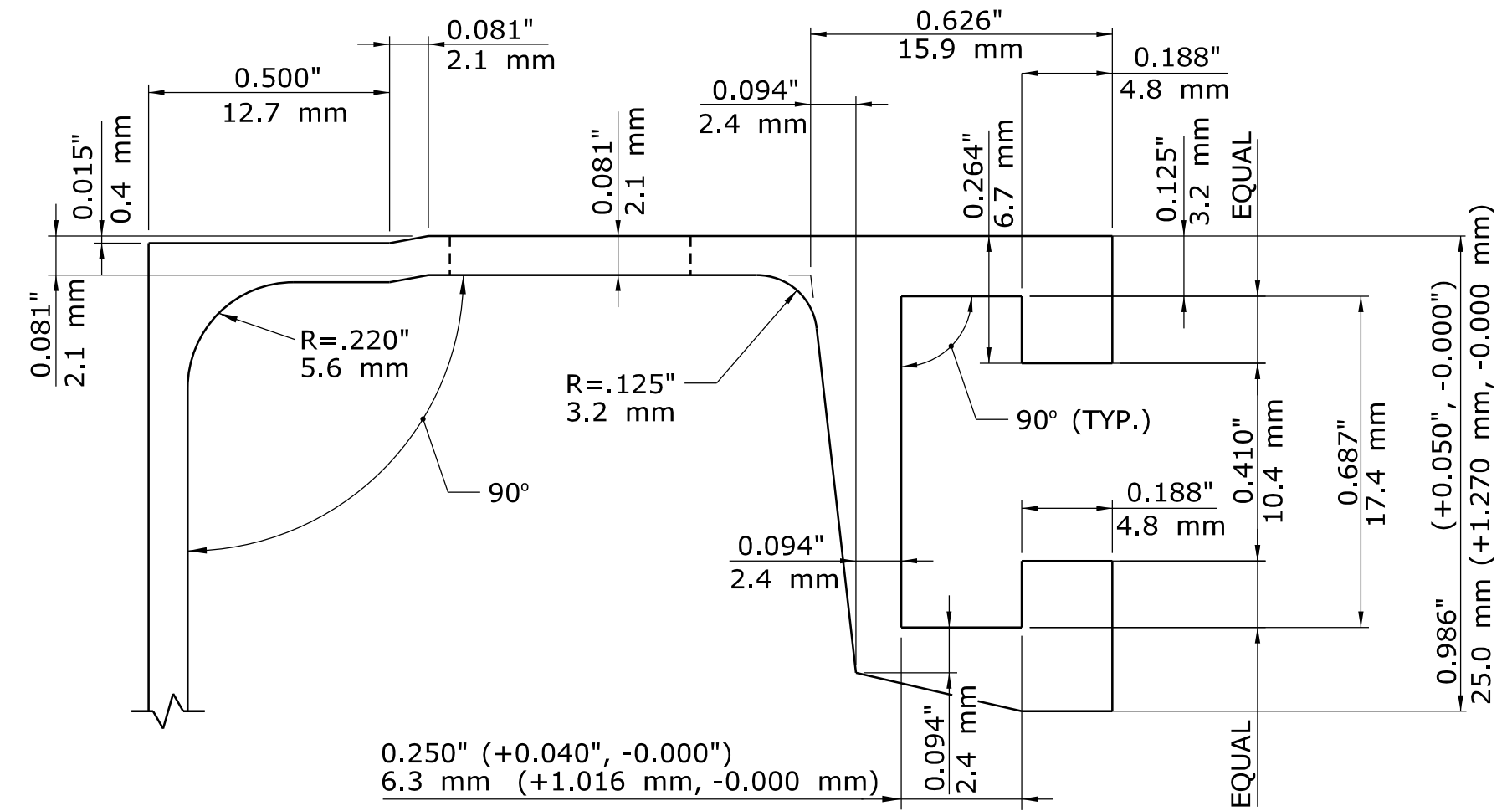
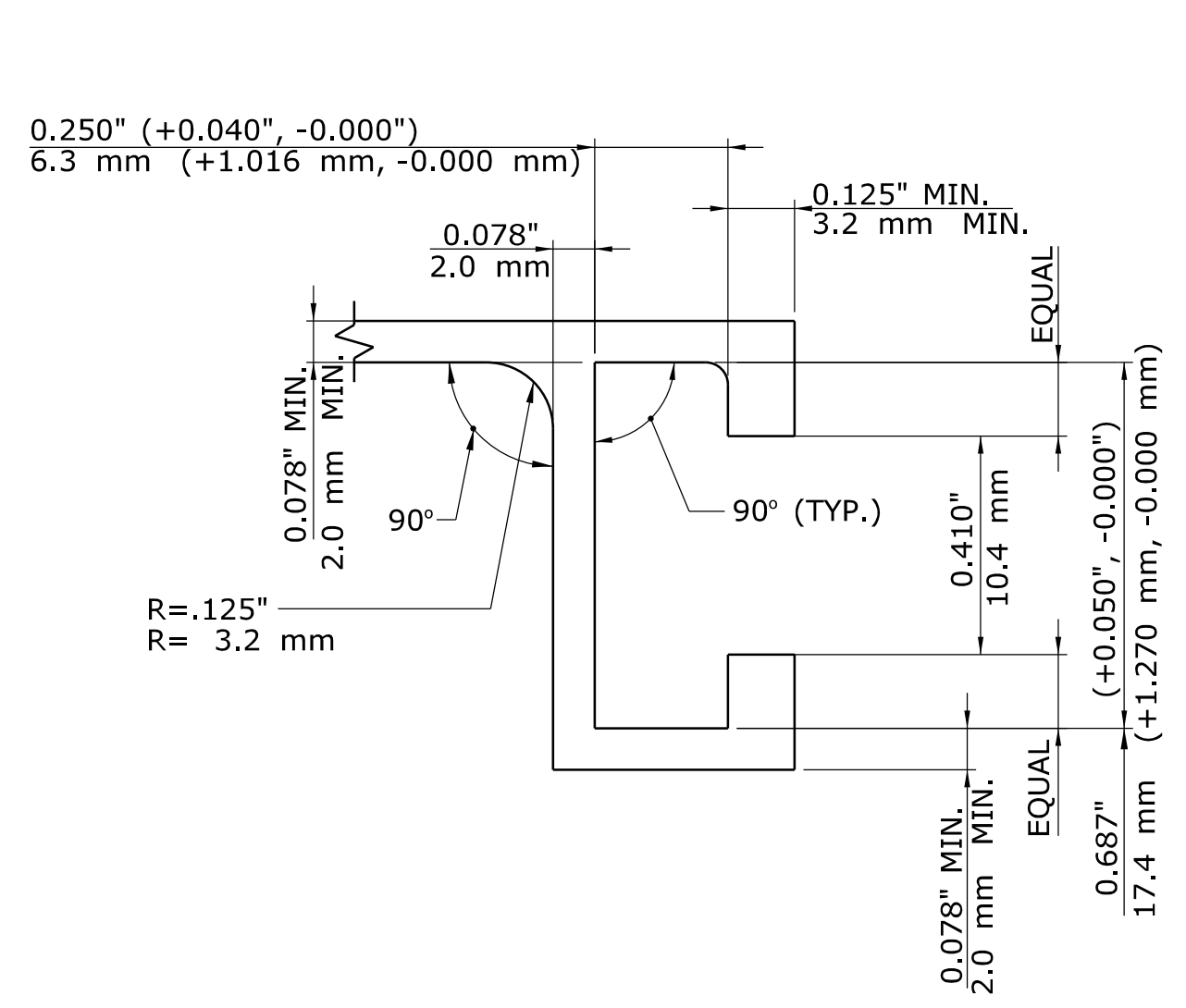
SECTION	AREA OF SECTION in ² (mm ²)	WT. / FT. LBS. / FT. (KG / M)	I _{x-x} in ⁴ (mm ⁴)	I _{y-y} in ⁴ (mm ⁴)
6" (150 mm) EXTRUDED PANEL	0.933 (601.93)	1.13 (0.16)	5.023 (2 090 730)	0.473 (196 877)
12" (305 mm) EXTRUDED PANEL ALTERNATE A	2.237 (1443.22)	2.72 (0.38)	36.284 (15 102 541)	0.941 (391 674)
12" (305 mm) EXTRUDED PANEL ALTERNATE B	2.091 (1349.03)	2.54 (0.35)	38.947 (16 210 965)	1.183 (492 402)

NOTES

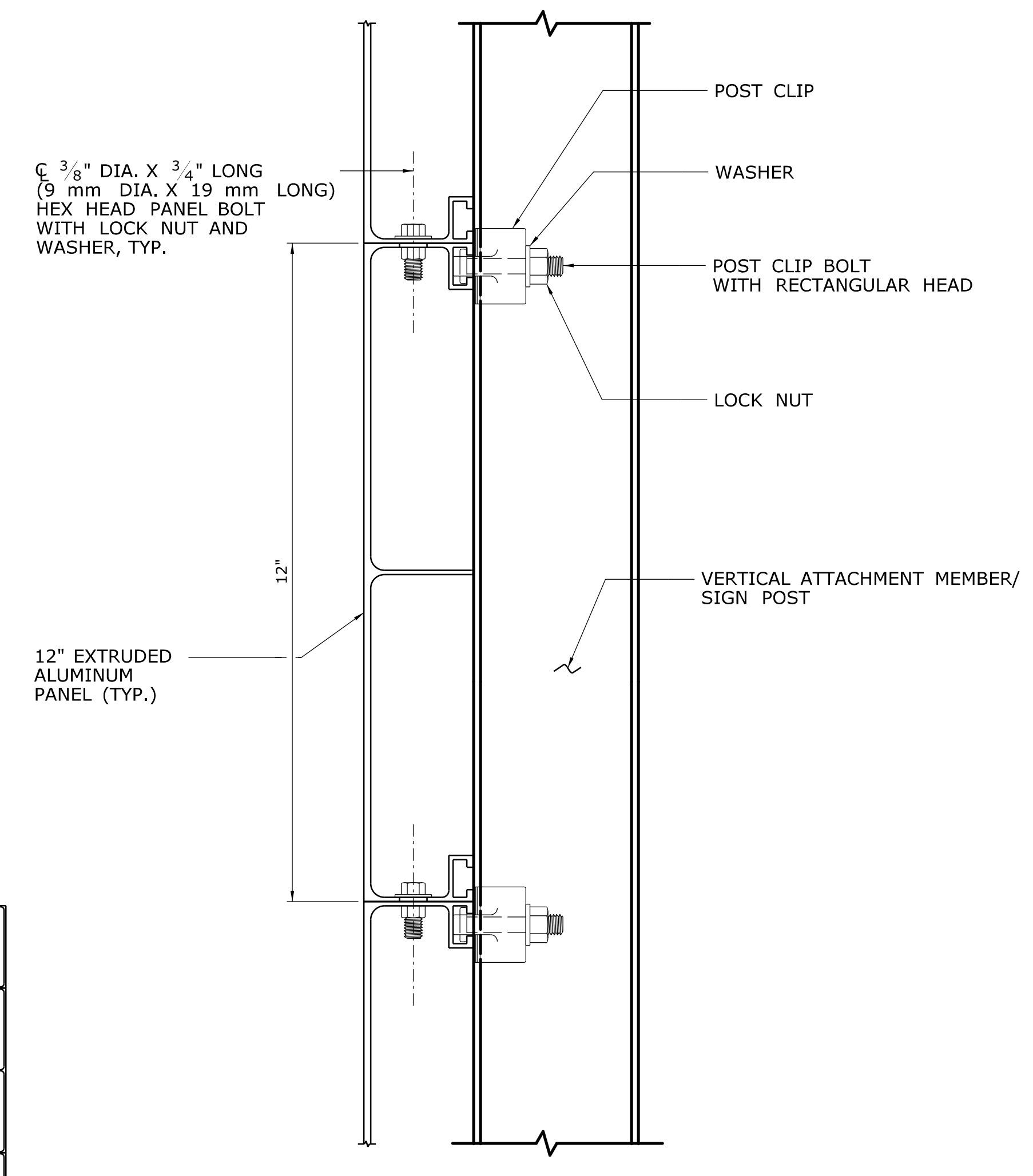
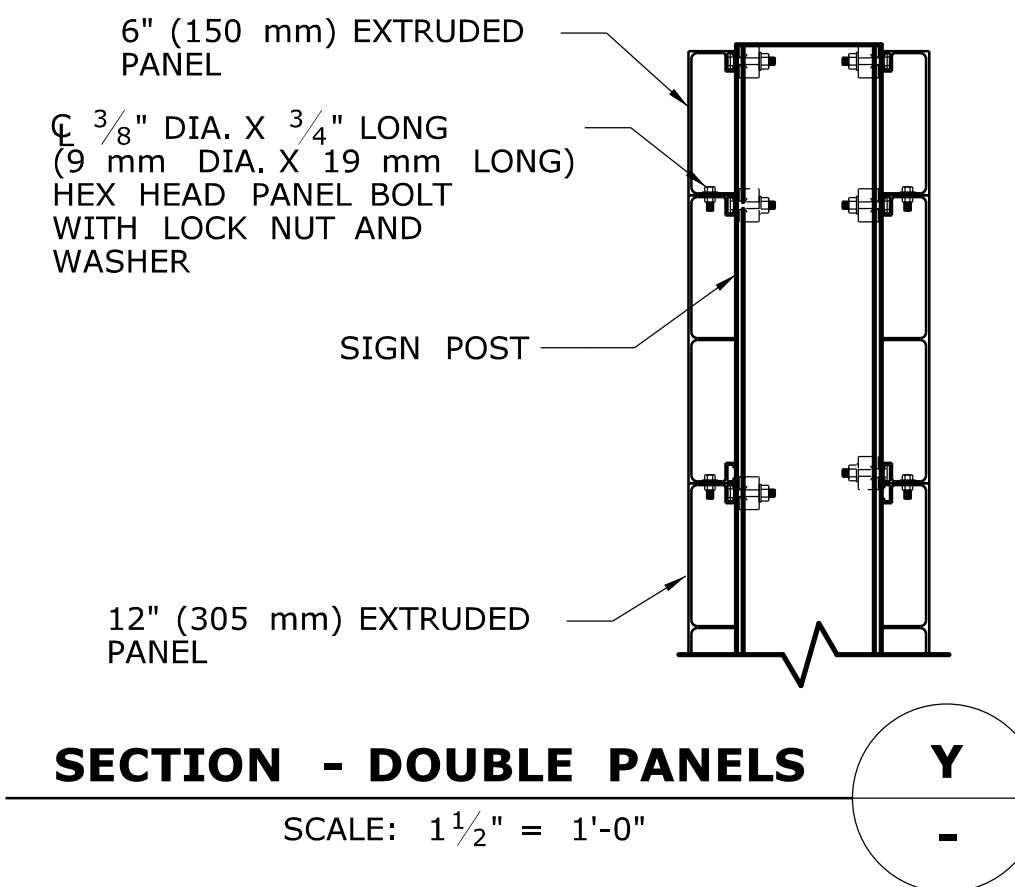
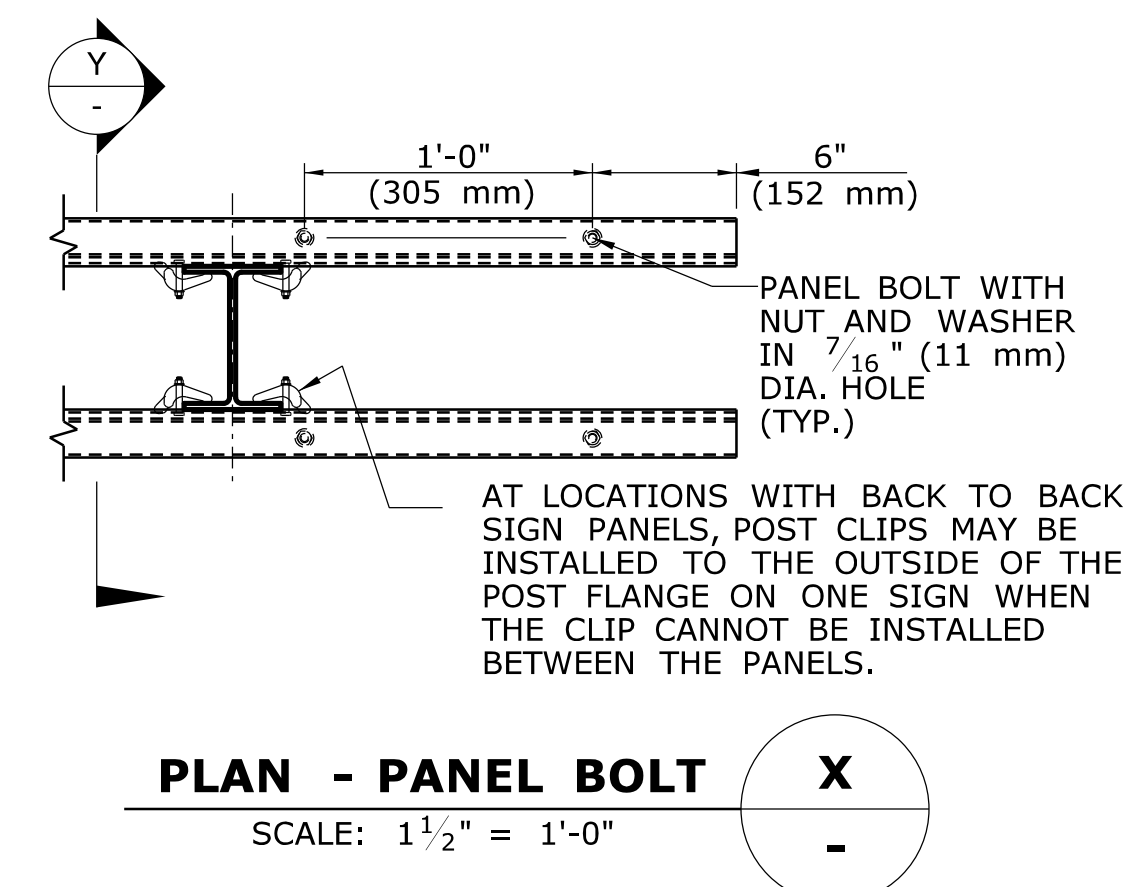
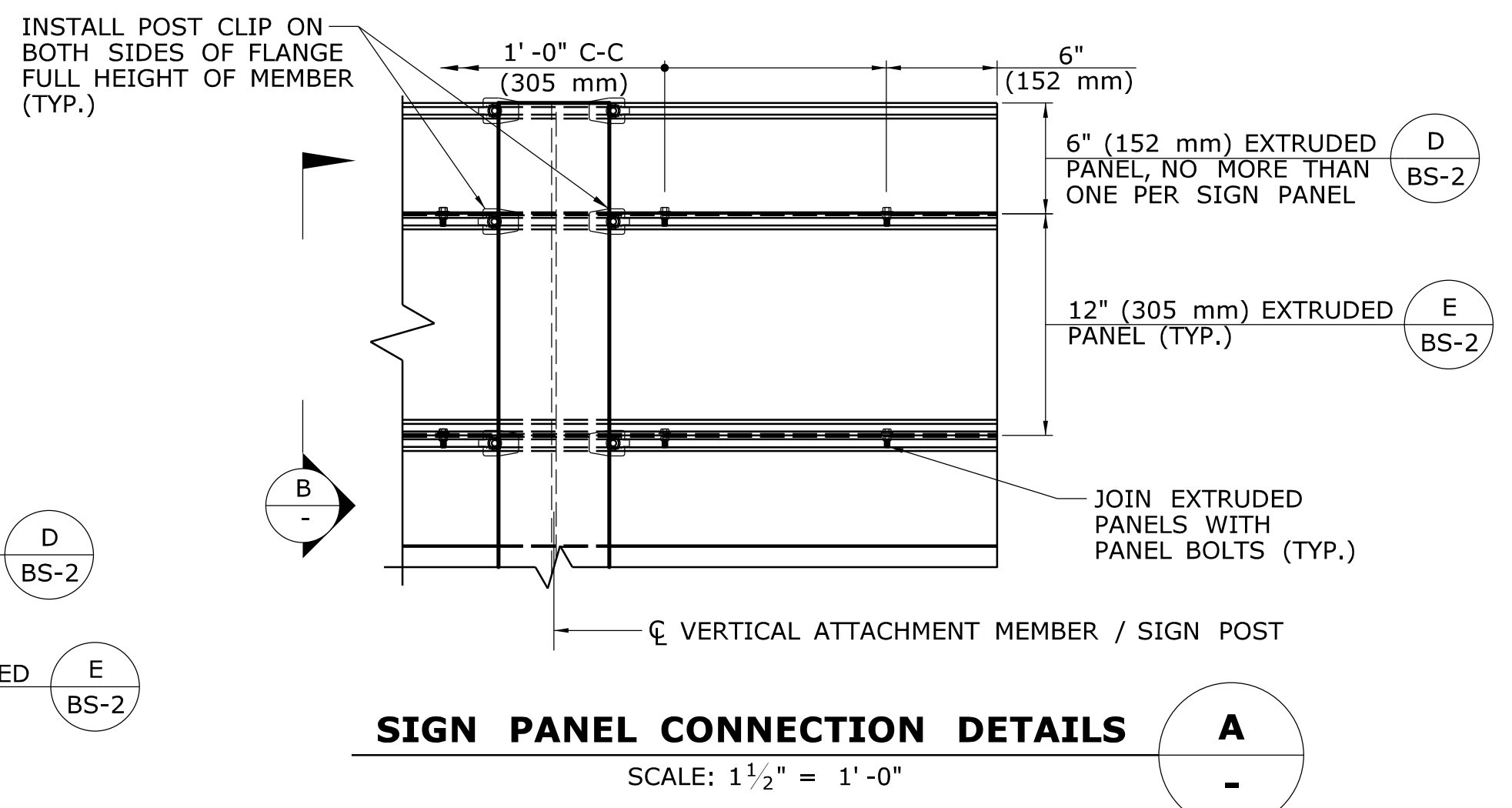
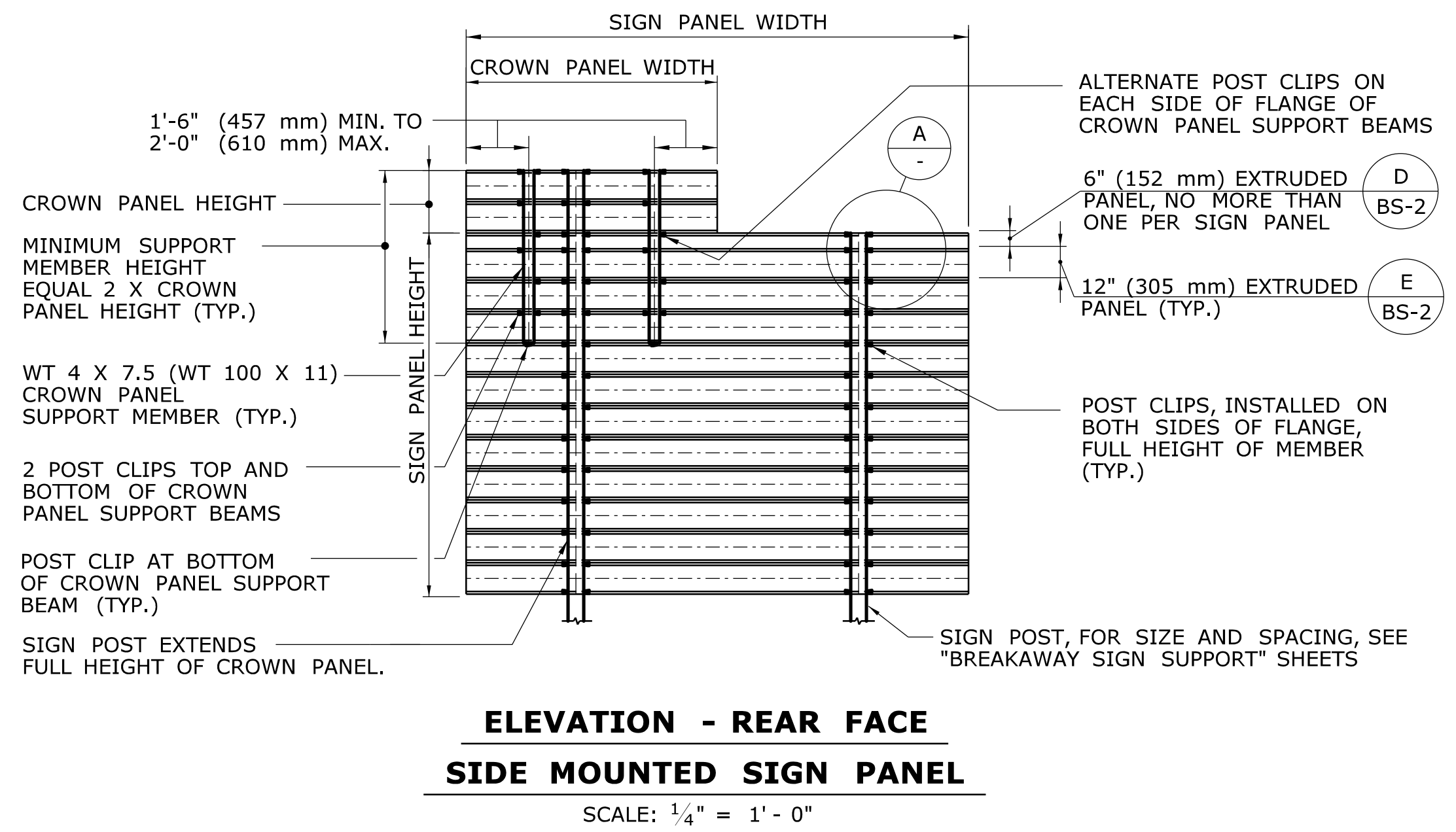
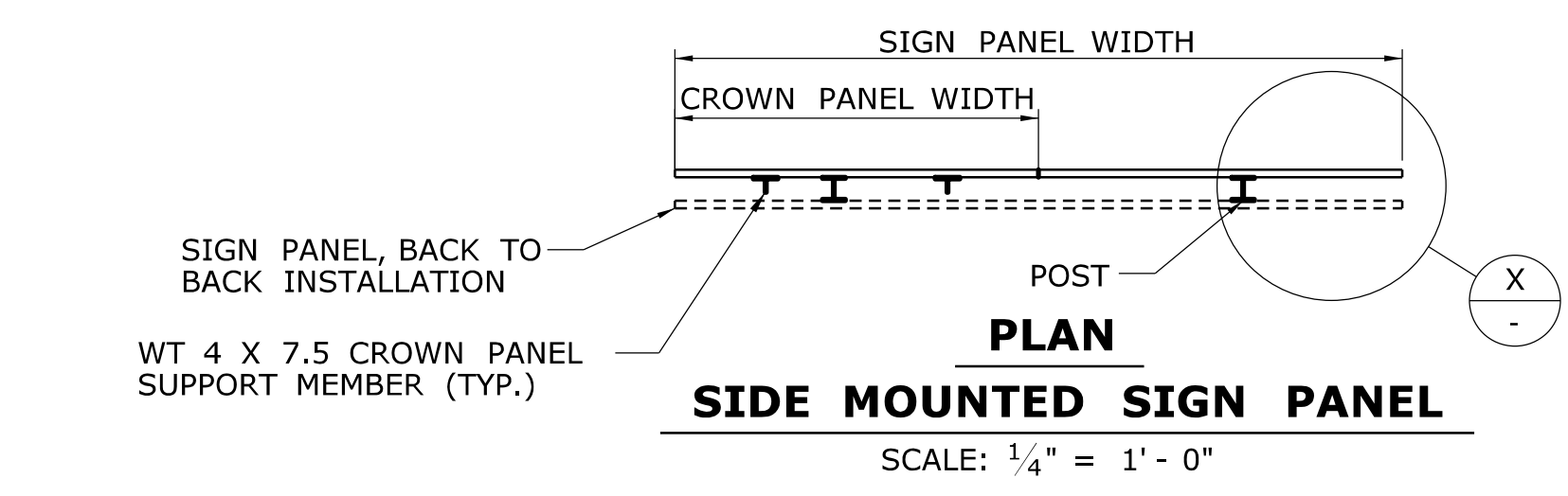
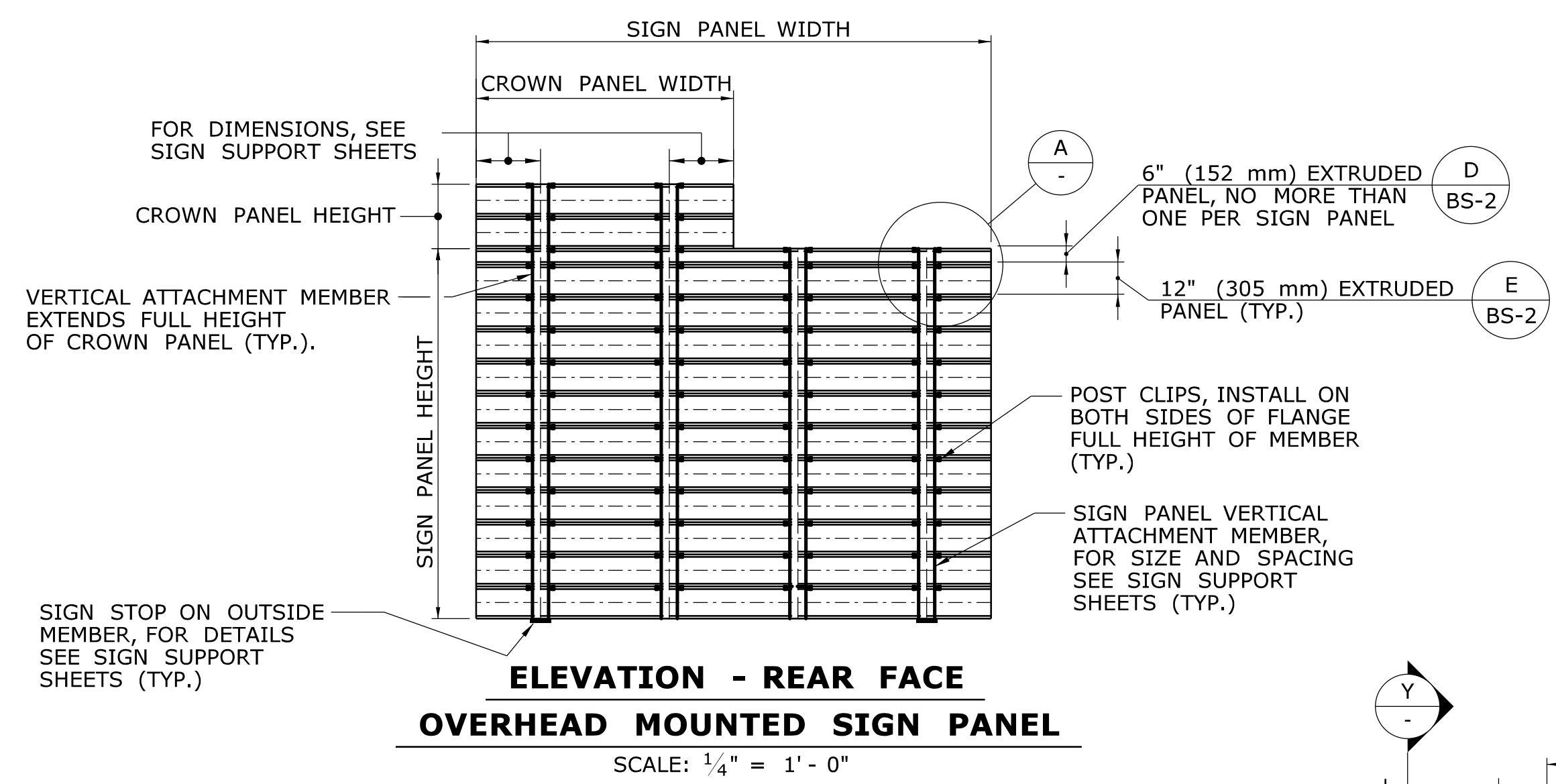
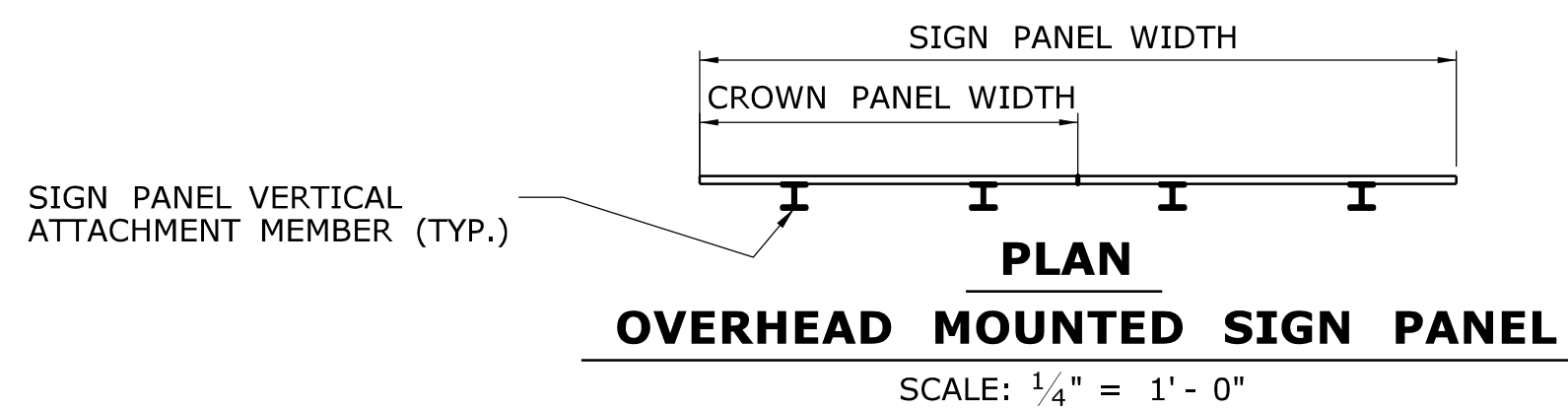
THE PANEL BOLTS SHALL CONFORM TO ASTM A193, CLASS 1, GRADE B8 (TYPE 304). THE NUTS SHALL BE A COMPATIBLE HEX, PREVAILING TORQUE (NYLON INSERT) LOCK NUTS CONFORMING TO ASTM A194, CLASS 1, GRADE B8 (TYPE 304). THE WASHERS SHALL BE A COMPATIBLE, FLAT, CIRCULAR WASHERS CONFORMING TO ASTM A276, TYPE 304, ANNEALED.

THE POST CLIP ASSEMBLY SHALL COMPOSED OF A POST CLIP AND A BOLT WITH A NUT AND WASHER. THE POST CLIP SHALL CONFORM TO THE REQUIREMENTS OF ASTM B26, ALLOY 356.0-T6. THE POST BOLT SHALL BE A 3/8" DIA. X 1 3/4" LONG (9 mm DIA. X 44 mm LONG) RECTANGULAR HEAD BOLT CONFORMING TO ASTM A193, CLASS 1, GRADE B8 (TYPE 304). THE NUT SHALL BE A COMPATIBLE HEX, PREVAILING TORQUE (NYLON INSERT) LOCK NUT CONFORMING TO ASTM A194, CLASS 1, GRADE B8 (TYPE 304). THE WASHER SHALL BE A COMPATIBLE, FLAT, CIRCULAR WASHER CONFORMING TO ASTM A276, TYPE 304, ANNEALED. THE DIMENSIONS OF THE RECTANGULAR BOLT HEAD SHALL BE SUCH THAT IT WILL FIT INTO THE EXTRUDED PANEL SLOT AND WILL NOT ROTATE WHILE THE NUT IS BEING TURNED.

THE COST OF FURNISHING AND INSTALLING THE EXTRUDED ALUMINUM SIGN AND CROWN PANELS, INCLUDING THE PANELS BOLTS AND POST CLIP ASSEMBLIES, SHALL BE PAID FOR UNDER THE ITEM "SIGN FACE - EXTRUDED ALUMINUM (TYPE IV RETROREFLECTIVE SHEETING)".



REV.	DATE	REVISION DESCRIPTION	SHEET NO.	Plotted Date: 2/22/2010	DESIGNER/DRAFTER:	CHECKED BY:	SCALE AS NOTED	<p>STATE OF CONNECTICUT DEPARTMENT OF TRANSPORTATION</p>	SIGNATURE/ BLOCK: APPROVED BY: DATE:	PROJECT TITLE:	TOWN:	PROJECT NO.
								OFFICE OF ENGINEERING				DRAWING NO.
												DRAWING TITLE: EXTRUDED ALUMINUM SIGN PANEL MANUFACTURING DETAILS
								Filename: ...0340330_SB_SignPanel_ManufacturingDetails.dgn				SHEET NO.



NOTE:
IF THE PANEL BOLTS CANNOT BE INSTALLED DUE TO MISALIGNED HOLES, A NEW HOLE(S) SHALL BE INSTALLED IN THE FLANGE OF THE EXTRUDED PANEL. THE NEW HOLE(S) SHALL BE A MINIMUM OF 2" (50 mm) FROM ANY EXISTING PANEL BOLT HOLES.

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								<p>DRAWING TITLE:</p> <p>EXTRUDED ALUMINUM SIGN PANEL CONNECTION DETAILS</p>			DRAWING NO.	SHEET NO.