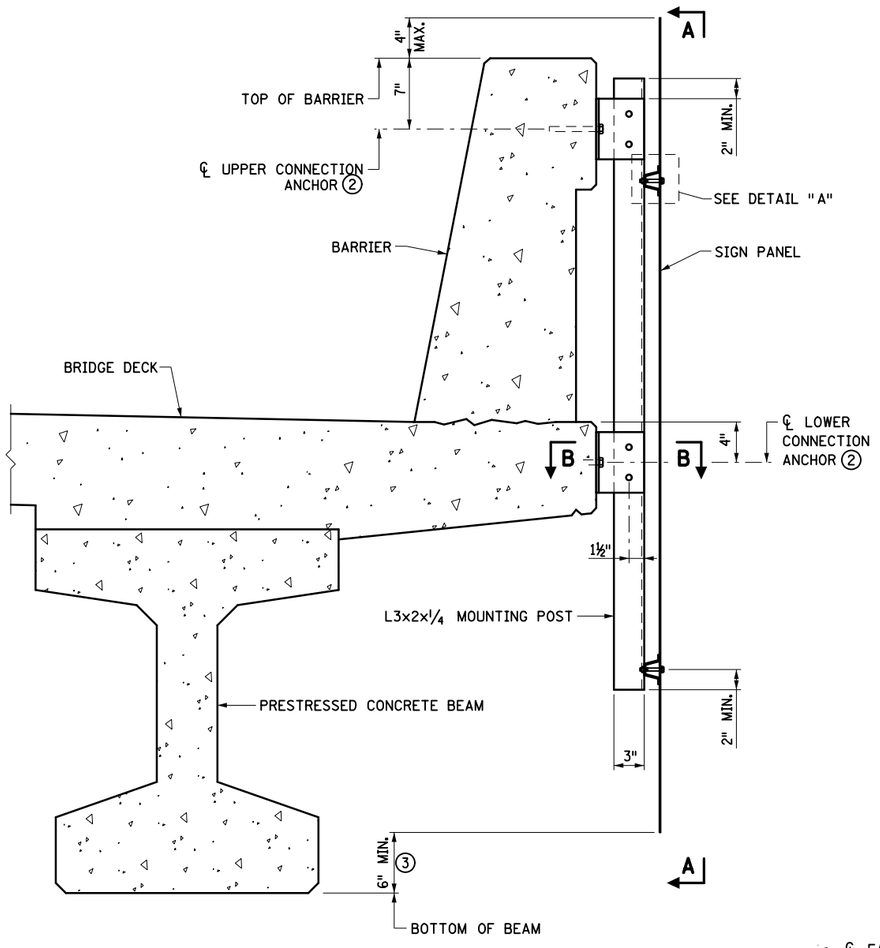
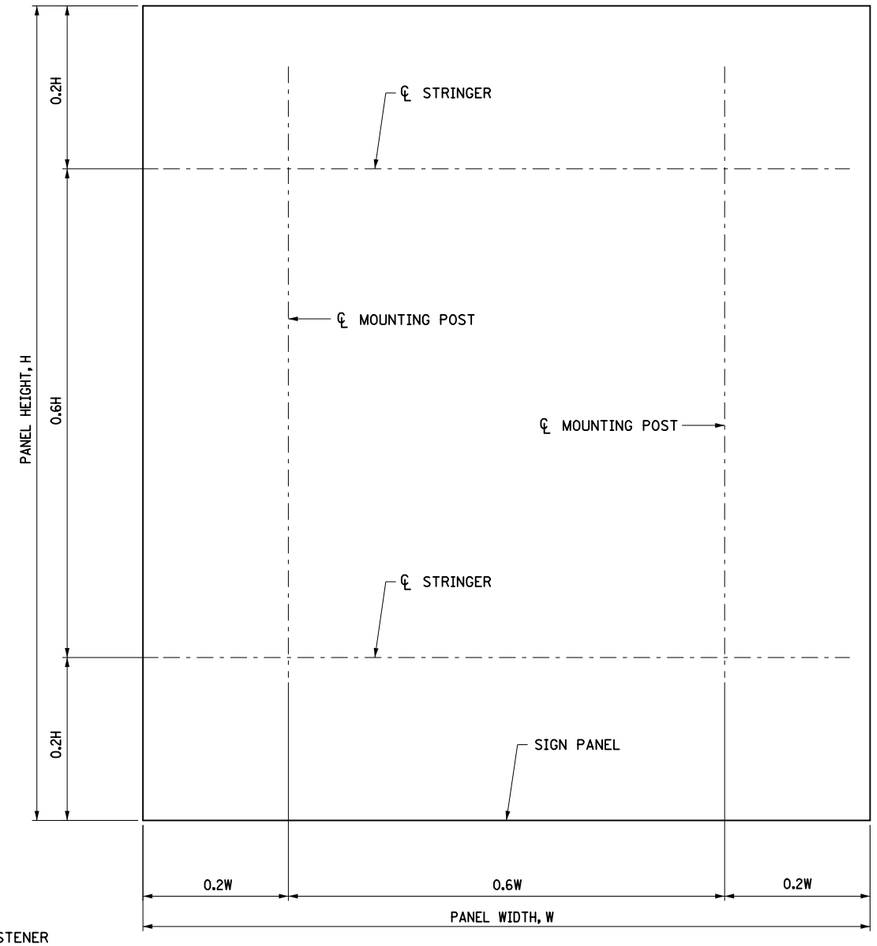
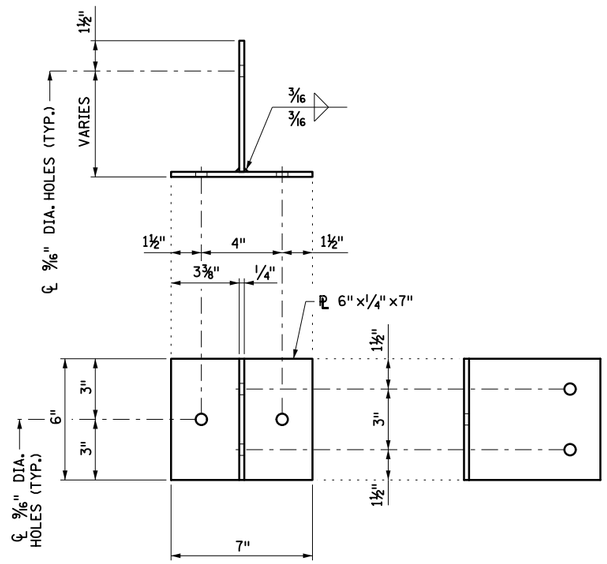


TYPICAL SECTION

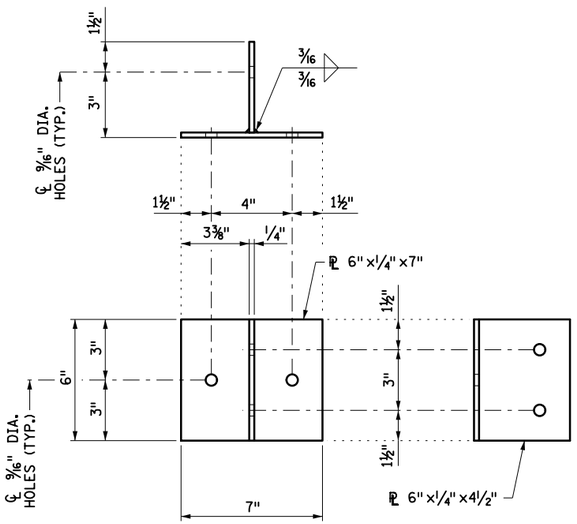
TYPE S BARRIER WITH PRESTRESSED CONCRETE BEAM SUPERSTRUCTURE SHOWN. ALL OTHERS SIMILAR.



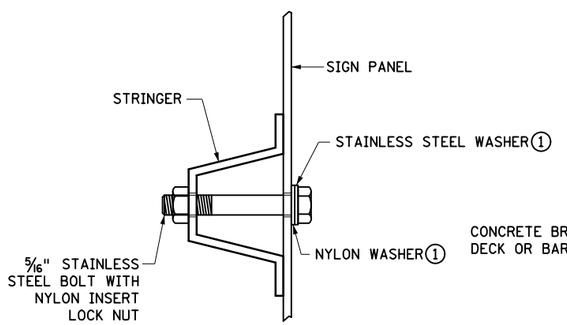
VIEW A-A



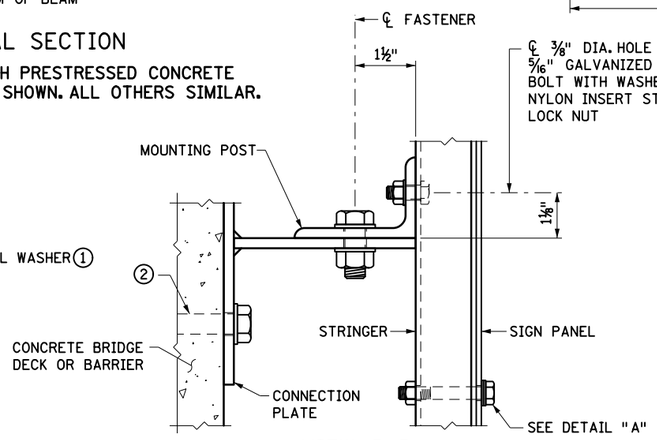
UPPER CONNECTION



LOWER CONNECTION



DETAIL "A"



VIEW B-B

LOWER CONNECTION SHOWN. UPPER CONNECTION SIMILAR.

NOTES:

PROVIDE STRUCTURAL STEEL IN ACCORDANCE WITH SPEC. 3306 AND GALVANIZE IN ACCORDANCE WITH SPEC. 3394. PROVIDE FASTENERS IN ACCORDANCE WITH SPEC. 3391 AND GALVANIZE IN ACCORDANCE WITH SPEC. 3392.

PLACE SIGN PANEL IN A HORIZONTAL POSITION. POSTS SHALL BE PLUMB.

FASTEN SIGN PANELS TO STRINGERS AT 12" INTERVALS BEGINNING 6" OR 9" FROM THE SIGN PANEL EDGE.

BOLTS FOR POST TO PLATE CONNECTIONS TO BE ½" DIA.

HOLES IN PLATE CONNECTIONS FOR CONCRETE ANCHORAGES AND IN POST TO PLATE CONNECTIONS TO BE 9/16" DIA.

SEE SIGN TABULATION FOR NUMBER OF PANEL MOUNTING POSTS.

USE 2.5 LBS./FT. STRINGER IN ACCORDANCE WITH SPEC. 3401.

(1) WASHER DIMENSIONS (T=1/32" MIN., I.D.=⅜" MAX., O.D.=⅞" MAX.)

(2) ½" DIAMETER CONCRETE ANCHOR WITH A MINIMUM EMBEDMENT DEPTH OF 4½". ANCHOR ROD IN ACCORDANCE WITH SPEC. 3385, TYPE A WITH FLAT WASHER AND LOCK NUT OR PAIR OF JAM NUTS. FASTEN ANCHOR ROD TO CONCRETE WITH AN APPROVED ADHESIVE. PROVIDE AN ADHESIVE WITH A MINIMUM CHARACTERISTIC BOND STRENGTH IN UNCRACKED CONCRETE OF 1.5 KSI. SLIGHTLY ADJUST POSITION OF SIGN AND ANCHORS HORIZONTALLY IF REINFORCEMENT IS ENCOUNTERED. TEST ANCHORS TO A PROOF LOAD OF 4.6 KIPS. TORQUE ANCHORS TO 30 FT-LBS UNLESS A HIGHER TORQUE IS REQUIRED BY THE EPOXY MANUFACTURER. SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS. FOR POST-TENSIONED BRIDGE STRUCTURES, VERIFY ANCHOR COMPATIBLITY WITH INTERNAL POST-TENSIONING. IF CONFLICTS EXIST, A SPECIAL DESIGN IS REQUIRED. DISTRICT BRIDGE ENGINEER TO CONFIRM THE CONCRETE CONDITION IS SUFFICIENT TO ACCEPT ANCHORS PRIOR TO PLACEMENT ON EXISTING STRUCTURES.

(3) BOTTOM EDGE OF SIGN PANEL SHALL BE AT LEAST 6" ABOVE BOTTOM OF BEAM.

LEAD EXPERT OFFICE: EDWARD LUTGEN, OFFICE DIRECTOR BRIDGE OFFICE		STRUCTURAL DETAILS FOR BRIDGE-MOUNTED FLAT SHEET ALUMINUM SIGNS	APPROVED: 08-09-2023 REVISED:	THOMAS STYRBICKI STATE DESIGN ENGINEER	STANDARD PLAN 5-297.742	1 OF 1
	DEPARTMENT OF TRANSPORTATION	STANDARD PLAN	STATE PROJ. NO.		SHEET NO.	
			TRUNK HWY.		TOTAL SHEETS	