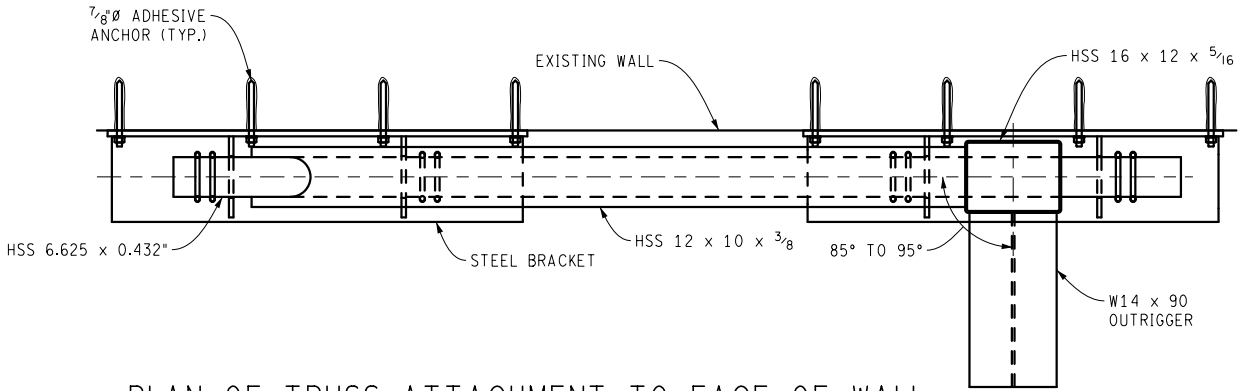
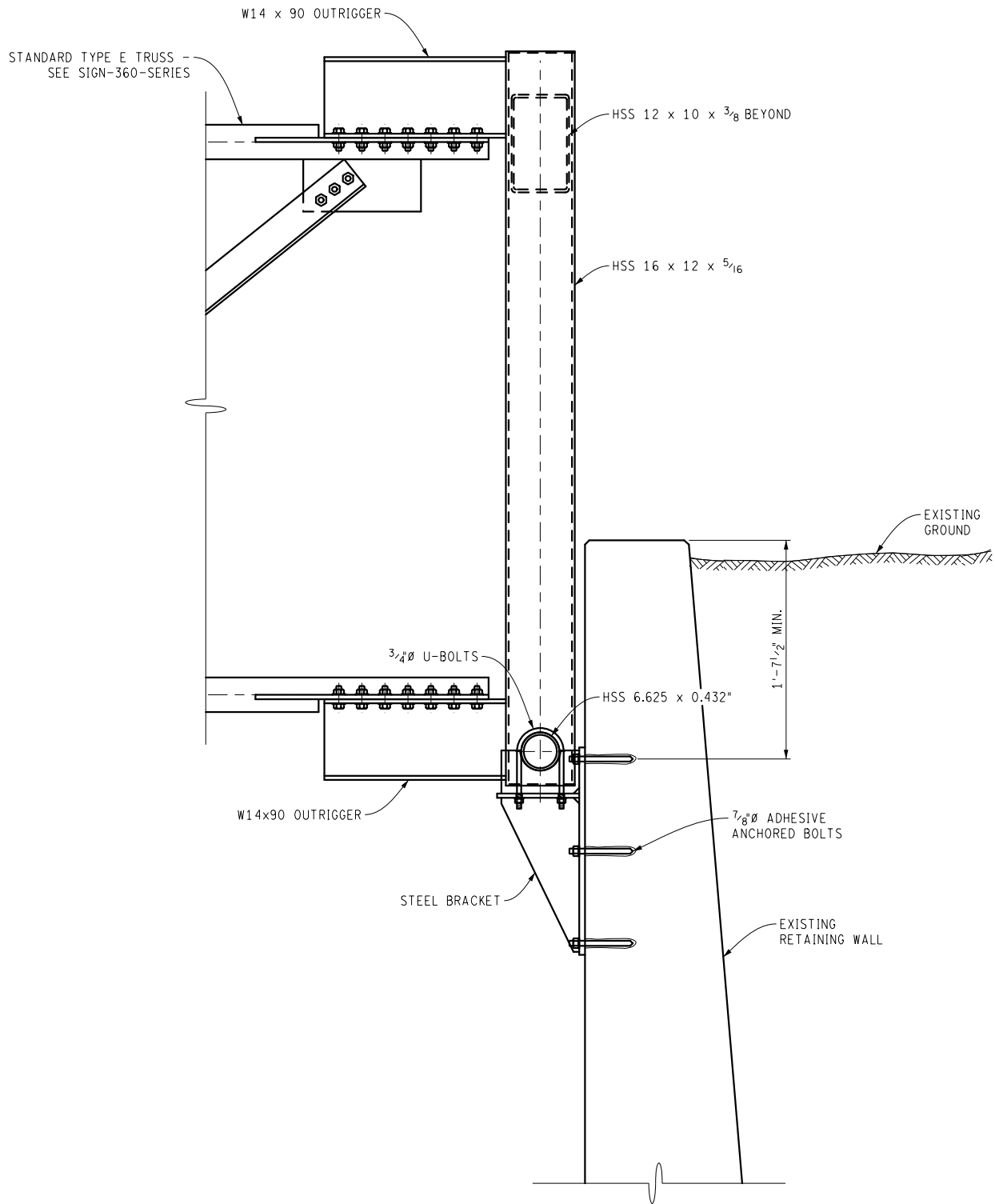


ELEVATION OF TRUSS ATTACHMENT TO FACE OF WALL



PLAN OF TRUSS ATTACHMENT TO FACE OF WALL

	DEPARTMENT DIRECTOR Paul C. Ajegba	MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN FOR		
	PREPARED BY DESIGN DIVISION	APPROVED BY: _____ DIRECTOR, BUREAU OF FIELD SERVICES	WALL MOUNT DETAILS FOR TRUSS TYPE E	
DRAWN BY: DB	APPROVED BY: _____ DIRECTOR, BUREAU OF DEVELOPMENT	06/03/2021 PLAN DATE	SIGN-367-A	SHEET 1 OF 11
CHECKED BY: AU		F.H.W.A. APPROVAL		



CROSS SECTION OF TRUSS ATTACHED TO FACE OF WALL

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION  
BUREAU OF DEVELOPMENT STANDARD PLAN

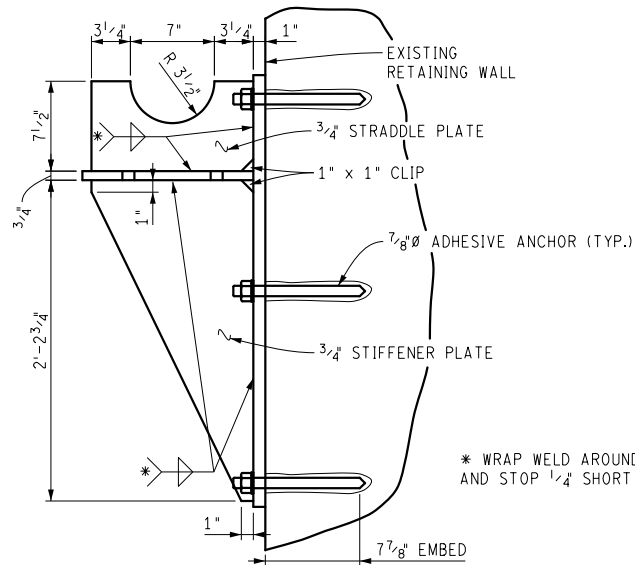
F.H.W.A. APPROVAL

06/03/2021  
PLAN DATE

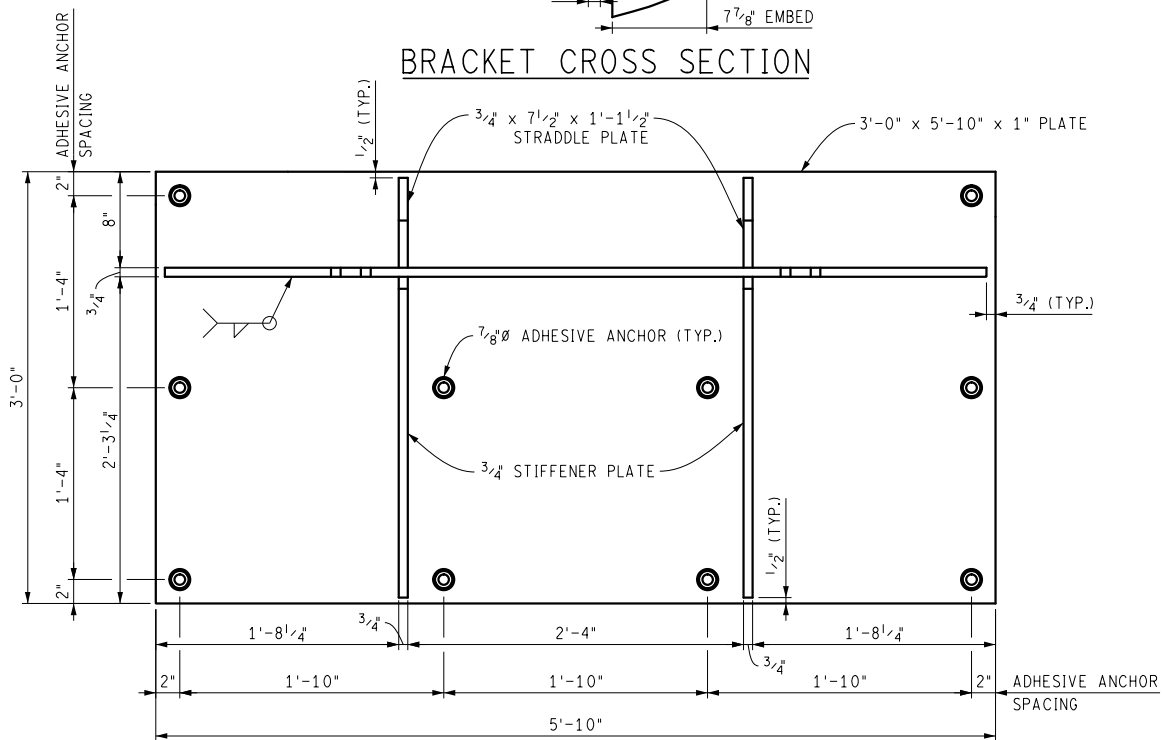
SIGN-367-A

SHEET  
2 OF 11

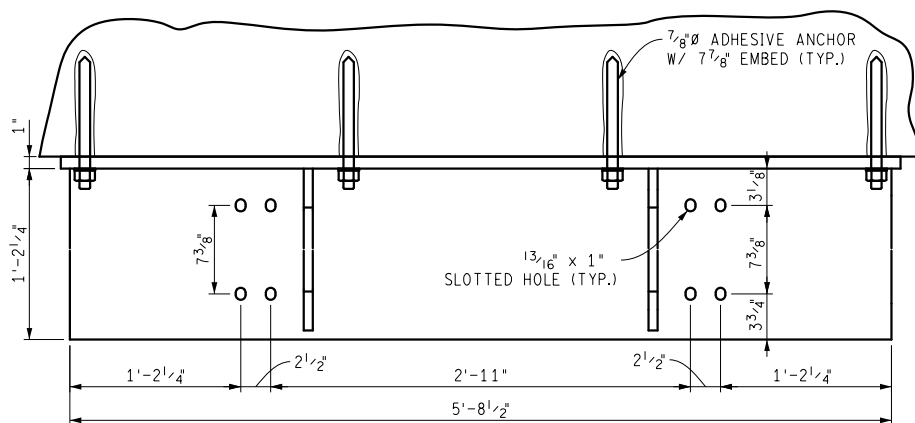
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BRACKET CROSS SECTION



BRACKET ELEVATION



BRACKET PLAN

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION  
BUREAU OF DEVELOPMENT STANDARD PLAN

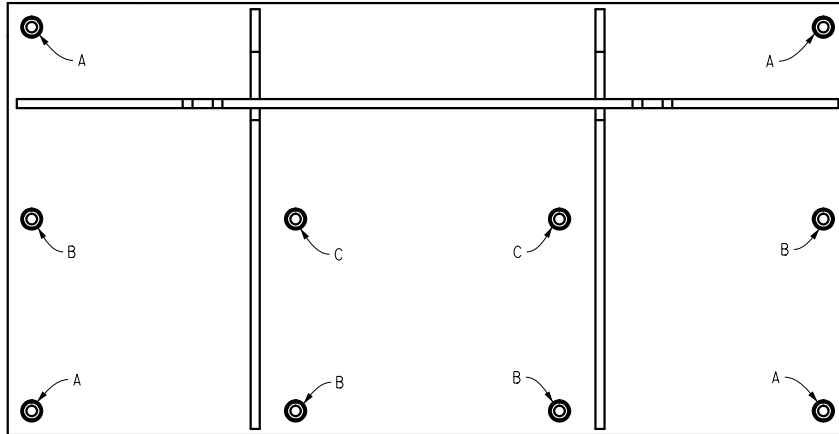
F.H.W.A. APPROVAL

06/03/2021  
PLAN DATE

SIGN-367-A

SHEET  
3 OF 11

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BRACKET ELEVATION

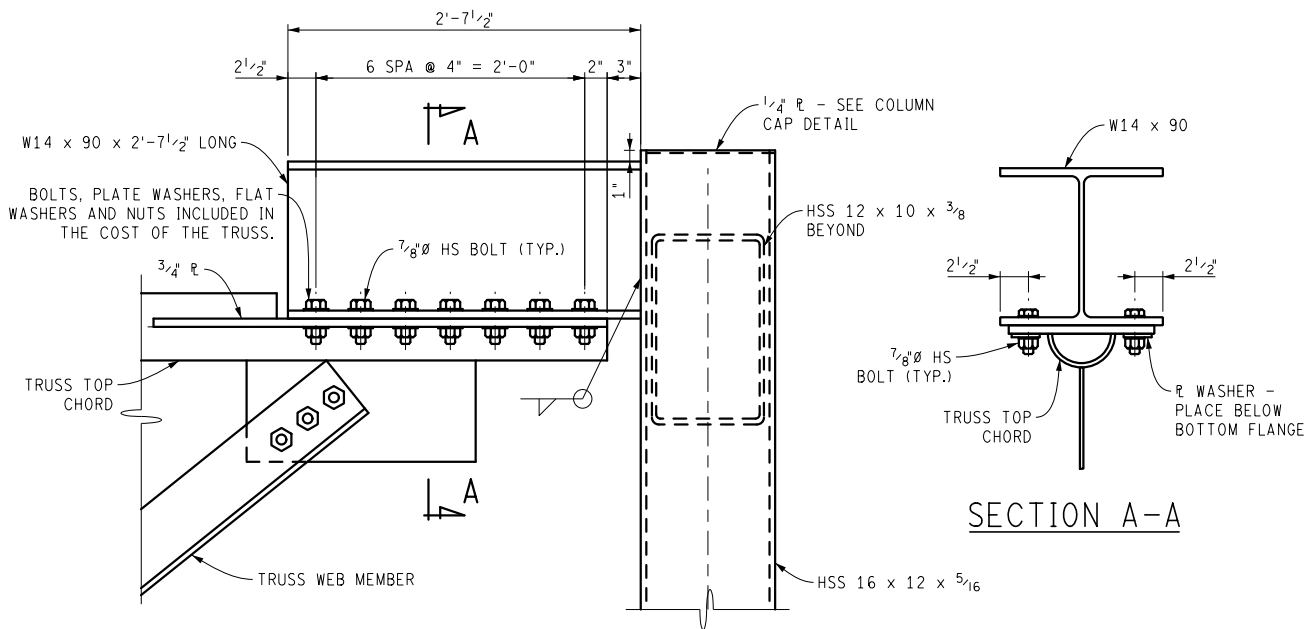
* ADHESIVE ANCHOR MINIMUM EFFECTIVE ULTIMATE STRENGTHS		
ANCHOR	TENSION (LBS)	SHEAR (LBS)
A	26920	22600
B	11040	22600
C	7800	22600

\* EFFECTIVE ULTIMATE STRENGTH IS EQUAL TO THE ULTIMATE STRENGTH MODIFIED BY THE APPROPRIATE EDGE DISTANCE, ANCHOR SPACING, AND CONCRETE THICKNESS REDUCTION FACTORS RECOMMENDED BY THE MANUFACTURER.

NOT TO SCALE

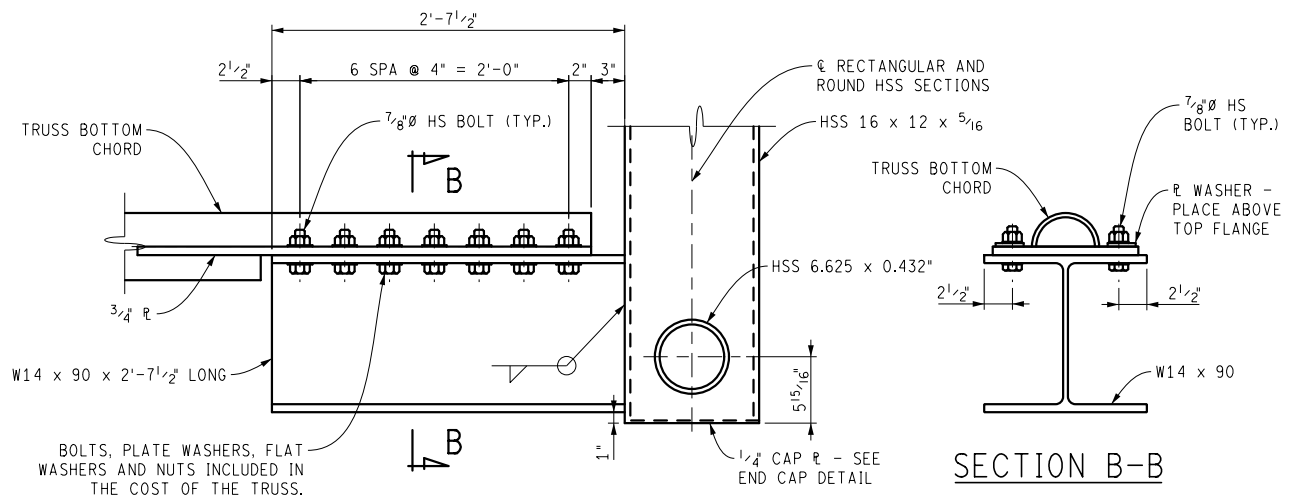
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN	F.H.W.A. APPROVAL	06/03/2021 PLAN DATE	SIGN-367-A	SHEET 4 OF 11
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### TOP CHORD ATTACHMENT DETAIL

NOTE: SEE TYPE E TRUSS STANDARD SIGN-360-SERIES FOR ADDITIONAL INFORMATION NOT SHOWN HERE.



### BOTTOM CHORD ATTACHMENT DETAIL

NOTE: SEE TYPE E TRUSS STANDARD SIGN-360-SERIES FOR ADDITIONAL INFORMATION NOT SHOWN HERE.

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION  
BUREAU OF DEVELOPMENT STANDARD PLAN

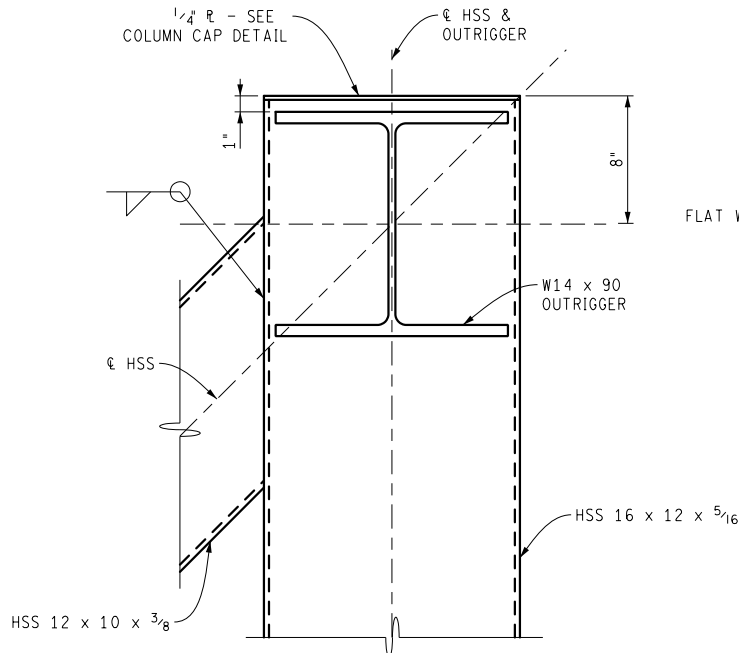
F.H.W.A. APPROVAL

06/03/2021  
PLAN DATE

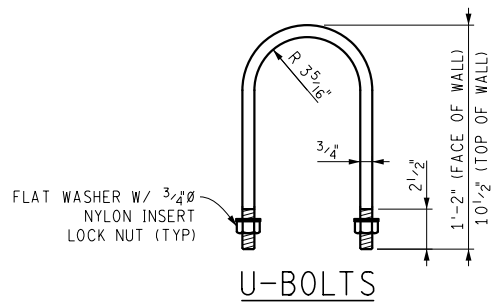
SIGN-367-A

SHEET  
5 OF 11

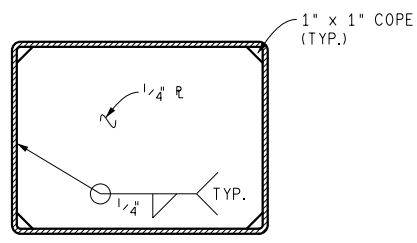
NOTE: THE ORIGINAL SIGNED COPY IS KEPT ON FILE AT THE MICHIGAN DEPARTMENT OF TRANSPORTATION.



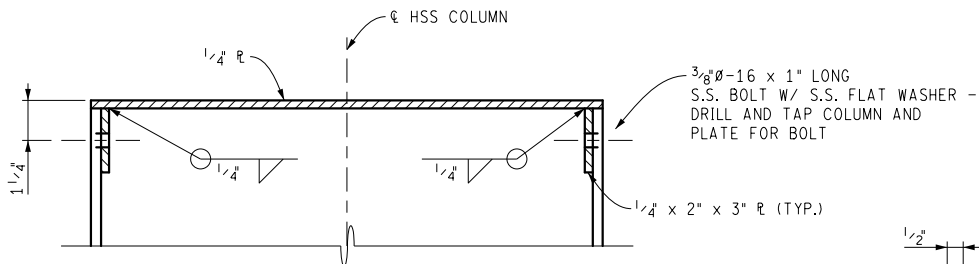
DETAIL A



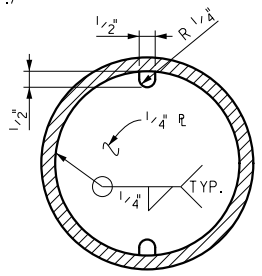
U-BOLTS



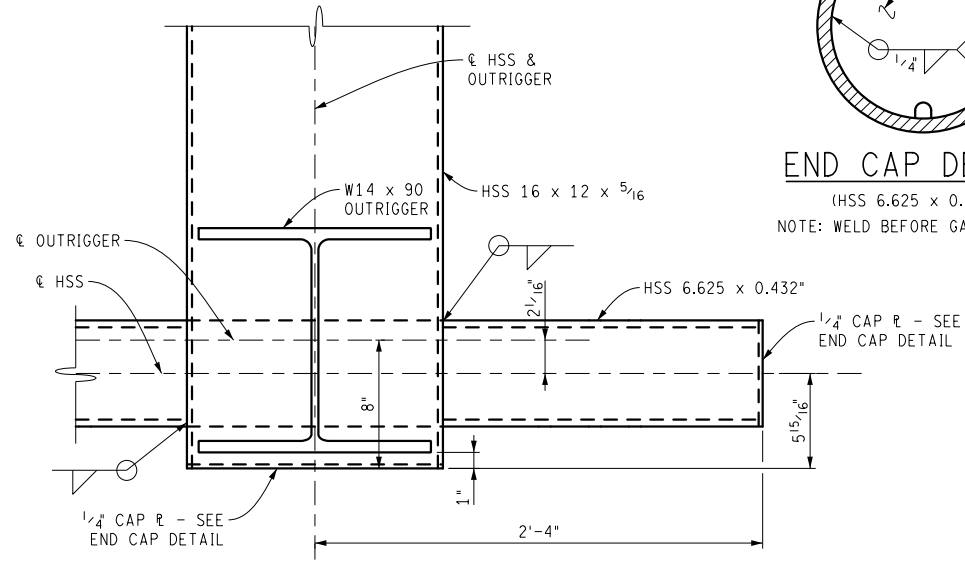
END CAP DETAIL  
(RECTANGULAR TUBES)  
NOTE: WELD BEFORE GALVANIZING.



COLUMN CAP DETAIL



END CAP DETAIL  
(HSS 6.625 x 0.432")  
NOTE: WELD BEFORE GALVANIZING.

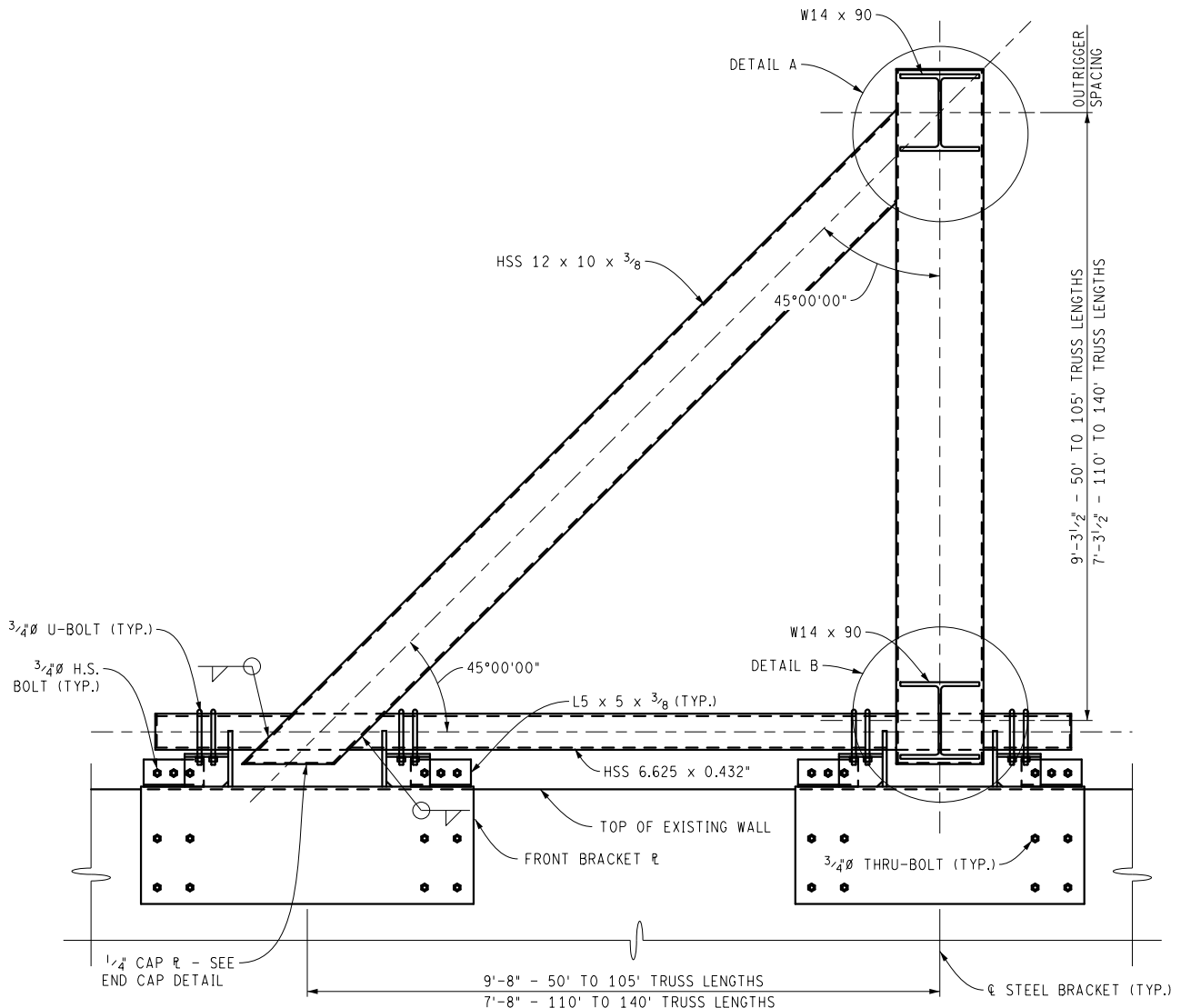


DETAIL B

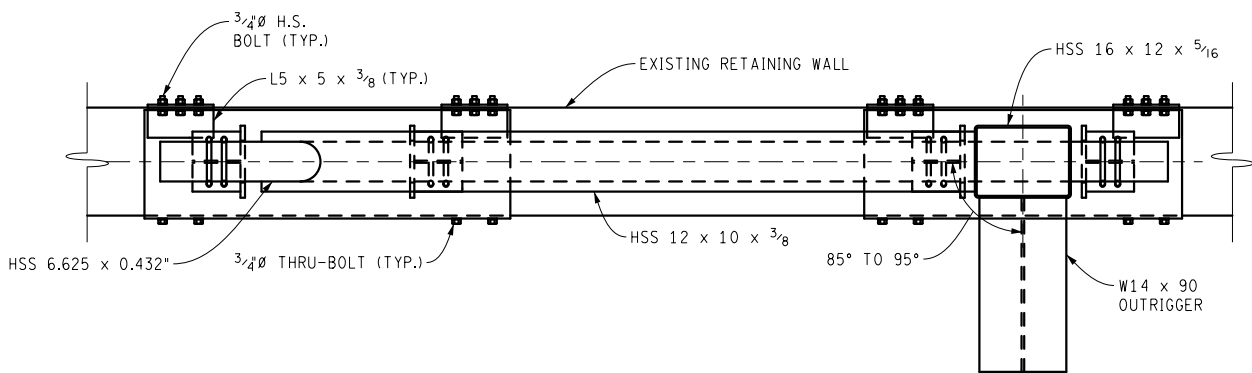
NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN	F.H.W.A. APPROVAL	06/03/2021 PLAN DATE	SIGN-367-A	SHEET 6 OF 11
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ELEVATION OF TRUSS ON TOP OF WALL



PLAN OF TRUSS ON TOP OF WALL

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION  
BUREAU OF DEVELOPMENT STANDARD PLAN

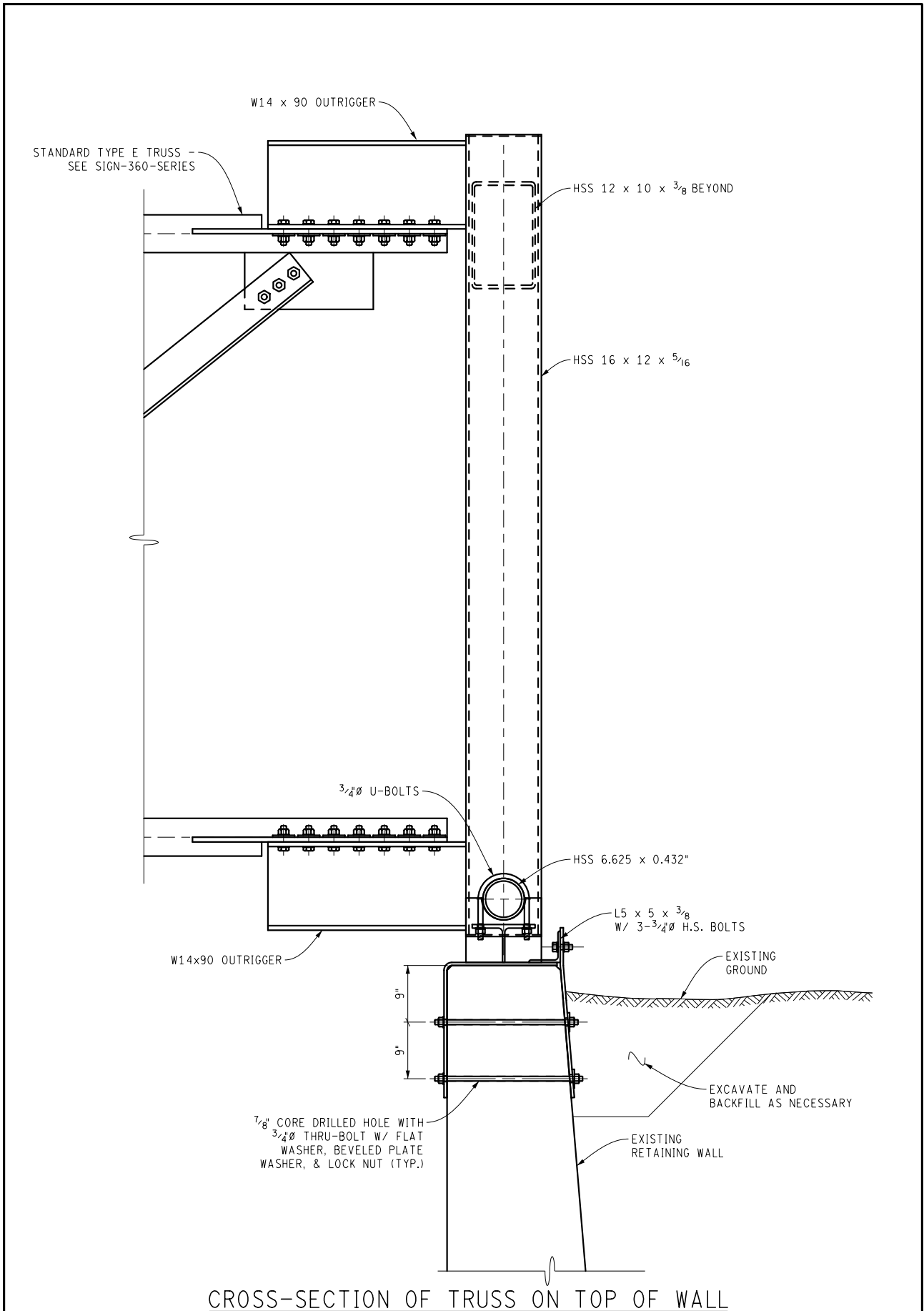
F.H.W.A. APPROVAL

06/03/2021  
PLAN DATE

SIGN-367-A

SHEET  
7 OF 11

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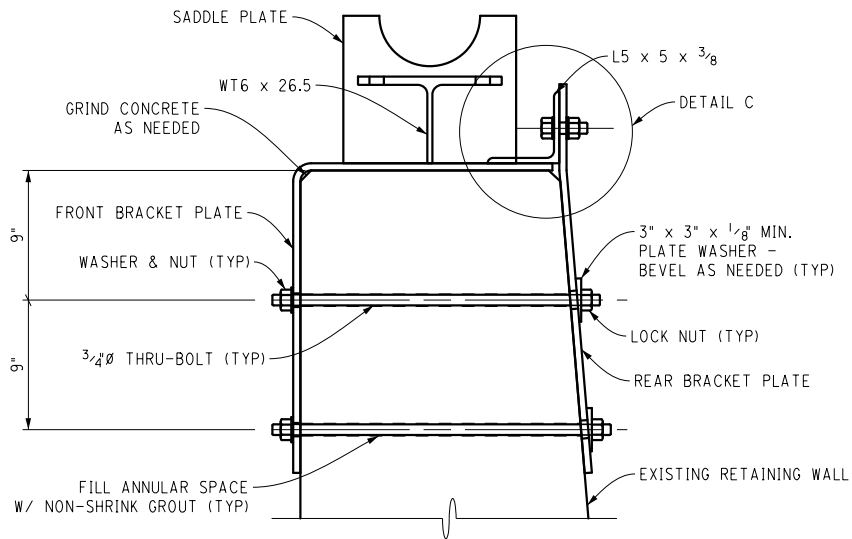
CROSS-SECTION OF TRUSS ON TOP OF WALL

NOT TO SCALE

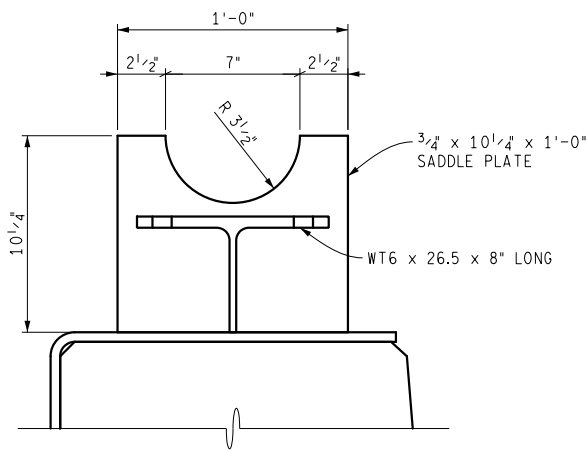
MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN	F.H.W.A. APPROVAL	06/03/2021 PLAN DATE	SIGN-367-A	SHEET 8 OF 11
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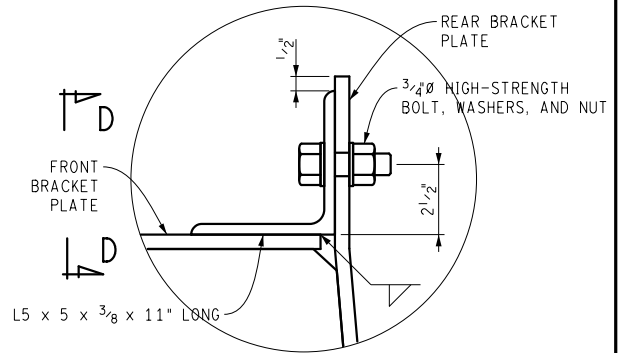


BRACKET CROSS SECTION

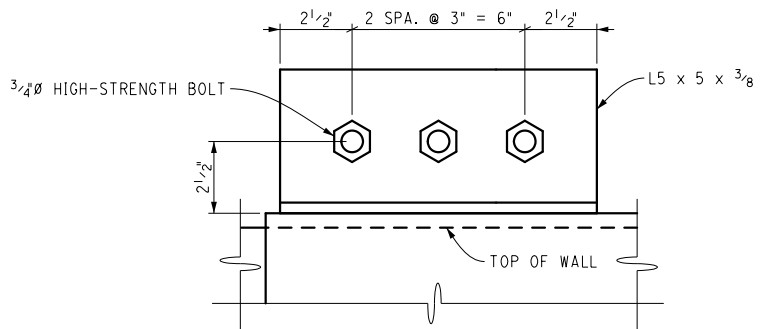


SADDLE PLATE DETAIL

NOTE: L5 x 5 x 3/8 & REAR BRACKET PLATE NOT SHOWN.



DETAIL C



SECTION D-D

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION  
BUREAU OF DEVELOPMENT STANDARD PLAN

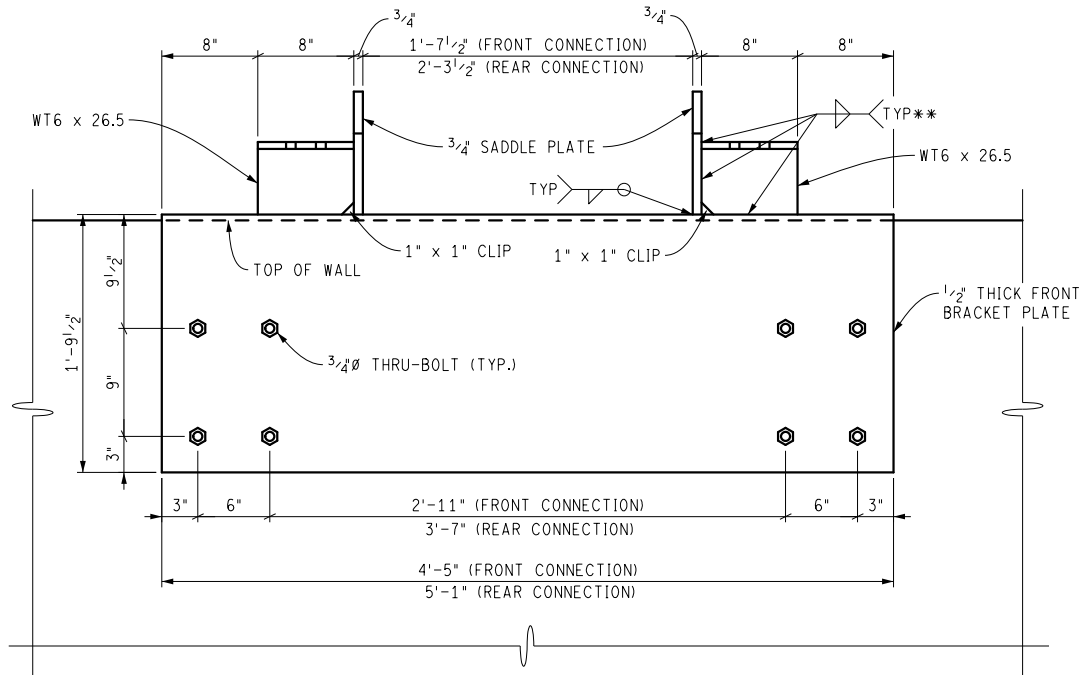
F.H.W.A. APPROVAL

06/03/2021  
PLAN DATE

SIGN-367-A

SHEET  
9 OF 11

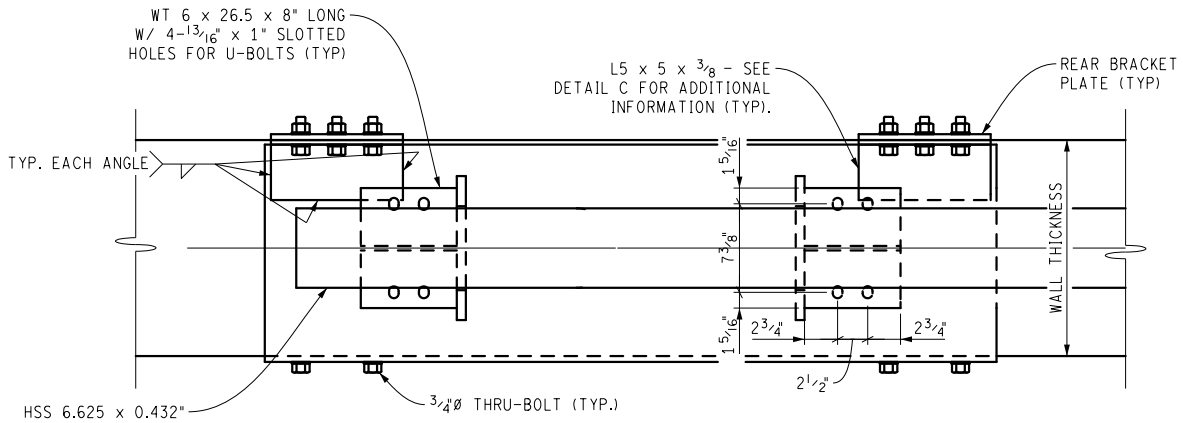
NOTE: THE ORIGINAL SIGNED COPY IS KEPT ON FILE AT THE MICHIGAN DEPARTMENT OF TRANSPORTATION.



### FRONT BRACKET PLATE ELEVATION

NOTE: ANGLES AND REAR BRACKET PLATE NOT SHOWN FOR CLARITY.

\*\* WRAP WELD ALL AROUND WT SECTION AND STOP 1/4" SHORT OF CORNER CLIP.



### FRONT BRACKET PLATE PLAN VIEW

NOTE: REAR CONNECTION SHOWN. FRONT CONNECTION SIMILAR.

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION  
BUREAU OF DEVELOPMENT STANDARD PLAN

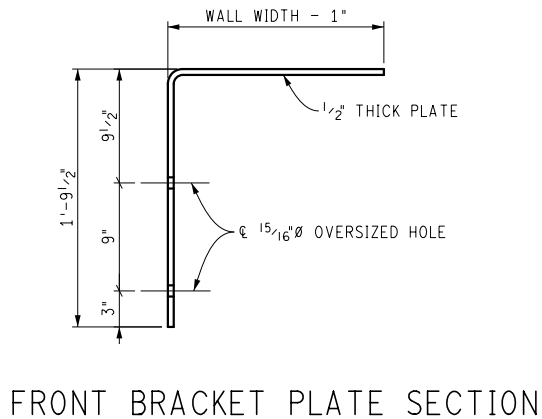
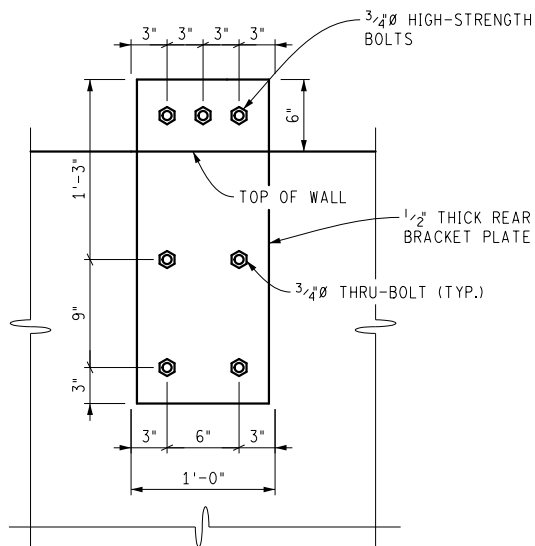
F.H.W.A. APPROVAL

06/03/2021  
PLAN DATE

SIGN-367-A

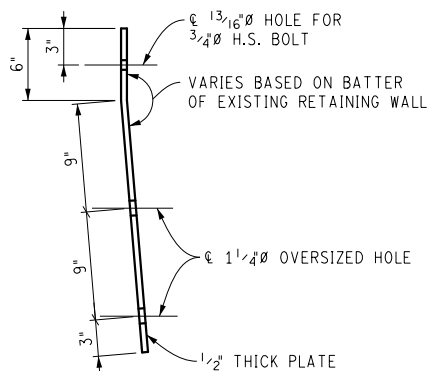
SHEET  
10 OF 11

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**REAR BRACKET PLATE ELEVATION**

NOTE: ANGLES AND L-BRACKET PLATE NOT SHOWN FOR CLARITY.



**REAR BRACKET PLATE SECTION**

**NOTES:**

THE DESIGN OF THE MEMBERS AND CONNECTIONS IS BASED ON THE AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 6th EDITION 2013.

FIELD VERIFY WALL DIMENSIONS PRIOR TO FABRICATION.

PROVIDE 13/16 inch HOLES FOR 3/4 inch HIGH-STRENGTH BOLTS UNLESS STATED OTHERWISE.

SEE MDOT SIGN SUPPORT TYPICAL PLAN SIGN-360-SERIES FOR TYPE E TRUSS DETAILS.

THE DESIGN OF THIS STANDARD IS BASED ON THE ANGLE BETWEEN THE TRUSS AND THE WALL BEING NO LESS THAN 85 DEGREES AND NO MORE THAN 95 DEGREES.

NOT TO SCALE

MICHIGAN DEPARTMENT OF TRANSPORTATION BUREAU OF DEVELOPMENT STANDARD PLAN	F.H.W.A. APPROVAL	06/03/2021 PLAN DATE	SIGN-367-A	SHEET 11 OF 11
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