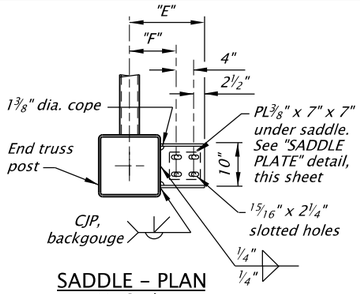
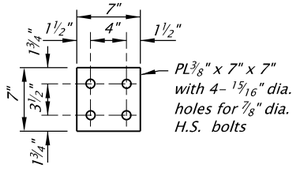


SADDLE – PLAN
No Scale



SADDLE PLATE
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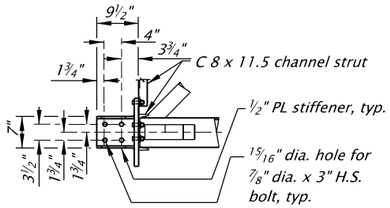
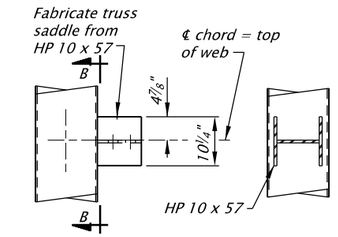


CHORD END CONNECTION – PLAN
No Scale

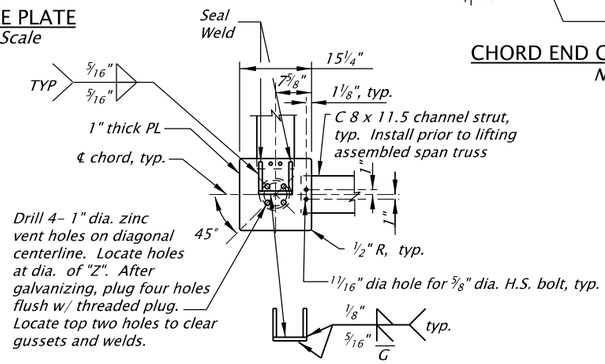
Bridge Truss Length Temperature Adjustment Table			
Span	Temperature Change from 50° Fahrenheit		
"S"	18° F	36° F	54° F
(ft.)	Length Change from 50° Fahrenheit		
50' – 69'	1/16"	5/32"	1/4"
> 69' – 89'	3/32"	1/4"	3/8"
> 89' – 108'	1/8"	9/32"	7/16"
> 108' – 128'	5/32"	3/8"	1/2"
> 128' – 148'	3/16"	13/32"	19/32"
> 148' – 167'	1/4"	1/2"	11/16"

Temperature Adjustment Notes:
Instructions to Fabricator:
1) Adjust the Span "S" truss length at the fabrication temperature so that the truss will be the nominal length at the 50° F given on the Project Plans. For example, if the nominal span is 164 ft. and if the fabrication temperature is 86° F (which is 36° F higher than the reference temperature) the fabrication length would be 164' + ½".
2) The bridge must be made longer when the fabrication temperature is higher than the reference temperature. The bridge must be made shorter than the nominal length when the fabrication temperature is lower than the reference temperature.

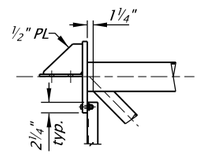


SADDLE – ELEVATION
No Scale

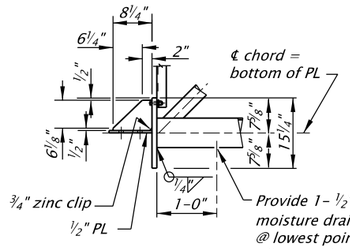
SECTION B–B
No Scale



CHORD END CONNECTION – END VIEW
No Scale

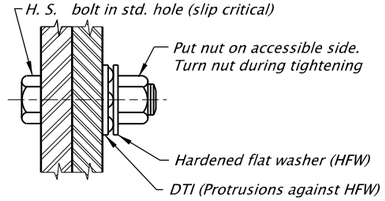


TOP



BOTTOM

CHORD END CONNECTION – ELEVATION
No Scale

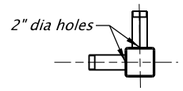


TYPICAL H. S. BOLT CONNECTION
No Scale

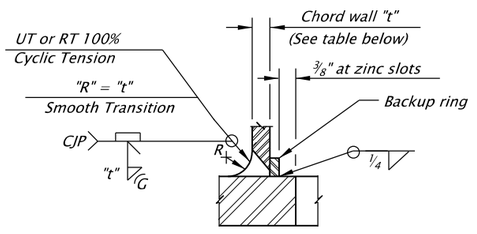
BOTTOM

ASSEMBLED CONNECTION – ELEVATION
No Scale

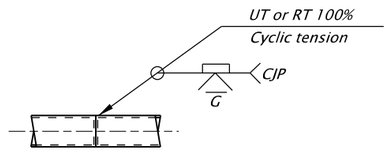
TYPICAL PANEL POINT DETAIL
No Scale



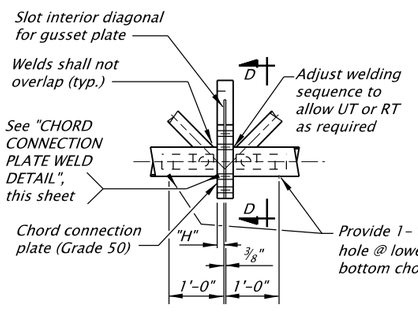
SECTION C–C
No Scale



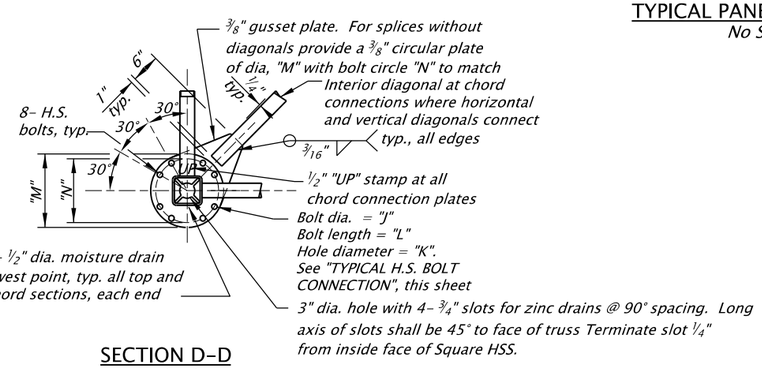
CHORD CONNECTION PLATE WELD DETAIL
No Scale



POST/CHORD SPLICE DETAIL
No Scale



TRUSS FIELD SPLICE
No Scale



SECTION D–D
No Scale

Note:
Bottom chord end connection details are typically shown.
Top chord end connection details are similar.

PERMISSIBLE WELDED SPLICE LOCATIONS:
Chords – 0.5 "P" ± 0.15 "P" from panel point ℄
Post – Top half of post

BRIDGE CHORD (in.)	"H"	"J"	"K"	"L"	"M"	"N"	"Z"	"t"	END TRUSS POST	"E"	"F"	"G"
Sq. HSS 6 x 6 x 5/16	1½"	⅞"	15/16"	5"	15¼"	12"	5⅛"	5/16"	Sq. HSS 12 x 12 x ⅜	15¼"	8¾"	16½"
Sq. HSS 6 x 6 x ⅜	1¾"	1"	1 1/16"	5½"	15¼"	12"	5⅛"	⅜"	Sq. HSS 12 x 12 x ½	15¼"	8¾"	16½"
Sq. HSS 8 x 8 x 5/16	1¾"	1⅛"	1 3/16"	6"	19"	15"	7⅞"	5/16"	Sq. HSS 14 x 14 x ½	16¼"	9¾"	17½"
Sq. HSS 8 x 8 x ⅜	1¾"	1¼"	1 5/16"	6"	19⅛"	15"	7⅞"	⅜"				

Accompanied by dwgs. TM606, TM607, TM609, TM610, TM611, TM612

The selection and use of this Standard Drawing, while designed in accordance with generally accepted engineering principles and practices, is the sole responsibility of the user and should not be used without first consulting a Registered Professional Engineer.

All materials shall be in accordance with the current Oregon Standard Specifications.

OREGON STANDARD DRAWINGS

STANDARD TRUSS TYPE VMS BRIDGE 50' TO 167' SPAN RANGE BRIDGE TRUSS DETAIL

2024

DATE	REVISION DESCRIPTION
01–2022	UPDATED AWS D1.1 FIGURE 3.5 TO 10.6

CALC. BOOK NO. 5014/6133 | SDR DATE 07-JAN-2022 | **TM608**

Effective Date: June 1, 2026 – November 30, 2026

07-JAN-2022

TM608.dgn