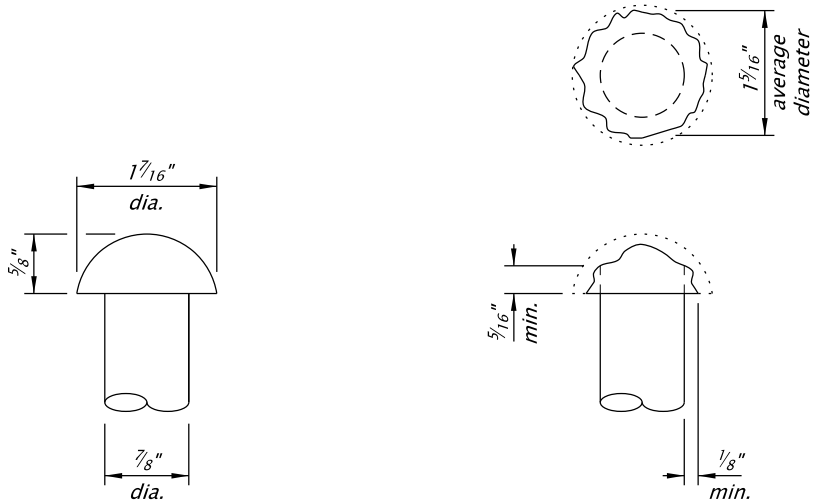


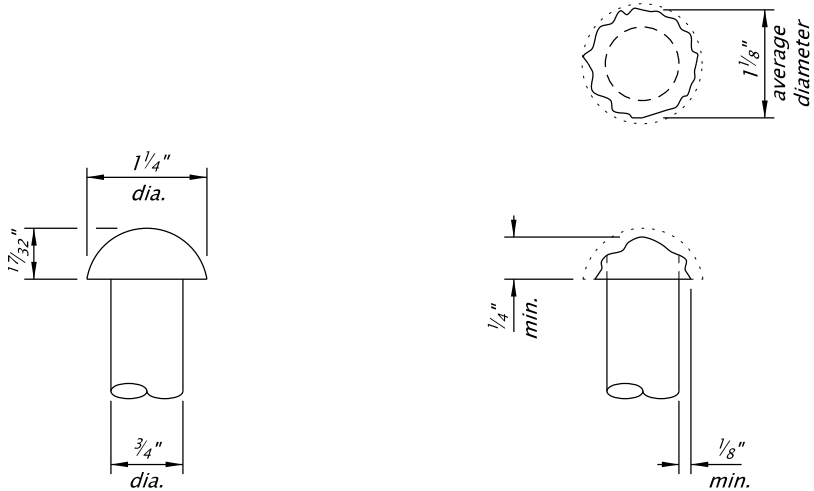


NOMINAL DIMENSIONS
UNDAMAGED RIVET

MINIMUM ACCEPTABLE DIMENSIONS
EXISTING RIVET HEAD

7/8" DIA. RIVET REPLACEMENT DETAIL

Replace deficient rivets with 7/8" diameter ASTM F3125 Grade F1852 Twist-off Type-1 galvanized, ASTM A563 heavy hex galvanized nut, ASTM F436 galvanized washer, and galvanized tapered washer as needed.



NOMINAL DIMENSIONS
UNDAMAGED RIVET

MINIMUM ACCEPTABLE DIMENSIONS
EXISTING RIVET HEAD

3/4" DIA. RIVET REPLACEMENT DETAIL

If hole bores are damaged, ream 3/4" rivet hole to 0.94" and install 7/8" ASTM A325 galvanized bolt, ASTM A563 heavy hex galvanized nut, ASTM F436 galvanized washer (and galvanized tapered washer as needed), and ream hex galvanized nut, ASTM F436 galvanized washer (and galvanized tapered washer as needed).

GENERAL NOTES

Work done as directed by Engineer and installed in accordance with ODOT Standard Specification 00560.29.

Any rivet with either head not meeting "Minimum Acceptable Dimensions" on both heads after cleaning shall be replaced with same diameter ASTM F3125 Grade F1852 Twist-off Type-1 galvanized, ASTM A563 heavy hex galvanized nut, ASTM F436 galvanized washer, and galvanized tapered washer as needed, installed in accordance with 00560.29. Coat according to 00594 after installation.

Remove rivets using pneumatic "rivet buster" or other approved method. Do not allow removal or damage of metal from surfaces or bore of holes in structural steel members.

When rivets are removed, power tool clean surfaces and hole bores in accordance with SSPC-SP 15 (use metal wire deburring brushes or tube brushes as necessary) and apply primer in accordance with the Specifications 00594.11(d)  and 00594.42.

Bolt may be installed while primer is wet.

No more than 6 fasteners at one time may be removed from any structural member between connections, and no more than 3 rivets at one time may be removed from any structural connection.

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			
	RIVET REPLACEMENT			
	2024			
DATE	REVISION DESCRIPTION			
07-2025	Updated specification reference.			
CALC. BOOK NO.		N/A	SDR DATE	11-JULY-2025
BR550				