DESIGNER NOTES

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE AND VERTICAL. FROM WARP AND ALL EDGES SMOOTH, STRAIGHT, ROLLED WITH ALL SURFACES SMOOTH AND FREE OF SCALE AND FLAME CUTS. ALL PLATE CUTS SHALL BE FLAT AND STRAIGHT.

FOR ALL NEW BRIDGES, THE STEEL TOP PLATE MAY BE REDUCED TO A MINIMUM OF 3/8" TO MATCH THE OVERALL EXISTING BEARING HEIGHT. WHEN THIS THICKNESS IS REQUIRED, THE FOLLOWING NOTE SHALL BE LOCATED ON THE PLANS:

STEEL PLATES ASTM 870 GRADE 50W OR A588) STEEL PLATES ASTM A1011 GRADE 36 TO 50, 1/4" THK.

FOR ALL STRUCTURAL STEEL PLATES SHALL BE FLAT AND STRAIGHT, ROLLED WITH ALL SURFACES SMOOTH AND FREE OF SCALE AND FLAME CUTS. ALL PLATE CUTS SHALL BE FLAT AND STRAIGHT.

ALL MATERIAL USED FOR BEARINGS SHALL BE OF SUITABLE QUALITY AND MANUFACTURE. USE EIGHT STUDS FOR 28" & 36" GIRDER BRIDGES. USE SIX STUDS FOR 28 & 36-INCH GIRDER BRIDGES. USE TWO STUDS FOR 28, 36, 54, 72, & 82-INCH GIRDER.

FOR BEARINGS USED IN BEARING REPLACEMENT PROJECTS THE STEEL TOP PLATE THICKNESS MAY BE REDUCED TO A MINIMUM OF 3/8" TO MATCH THE OVERALL EXISTING BEARING HEIGHT. WHEN THIS THICKNESS IS REQUIRED, THE FOLLOWING NOTE SHALL BE LOCATED ON THE PLANS:

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