

B354

Curved Plate Bearing Assembly (Steel Beams) (Fixed)

Approved, and signed, November 22, 2002. Last date revised: November 3rd, 2015

Revised 11-03-2015

At BEARING PLATE DETAIL:

- Changed from welded “keeper” studs” to a welded “keeper” bar.
- Added the 3/16” fillet weld symbol to the welded bar on the lower left side of the detail.
- Changed the “Welded Stud Ⓢ” to “Welded Bar (Typ.) Ⓢ”

Under NOTES:

- Changed all notes to “Active Voice” if needed.
- Changed numbered note Ⓢ to read: 3/8" x 3/8" bar installed on bearing plate around perimeter of bearing pad. Bar length is 2" less than adjacent pad dimension, centered on pad. Centerline of bar to edge of pad dimension = 1/2".

Added DESIGNER NOTE:

- Two 1½" diameter anchor rods have a factored horizontal resistance of 95 kips. Designer shall increase diameter, number of rods or both when needed.
When specifying offset dimension "M", consider the size and proximity of the diaphragm and longitudinal pier reinforcement to allow adequate room for installation of anchor rods.

Revised 11-06-2013

Under NOTES:

- In the 3rd note, Changed the galvanize spec. number from 3394 to 3392.
- Removed the “MnDOT” from the MnDOT Spec. references throughout the detail.

Revised 12-17-2008

Under NOTES: Minor spelling correction to note Ⓢ.

Revised 08-10-2006

Under NOTES: Revised Ⓢ from THE RADIUS OF THE CURVED PLATE SHALL BE 1'-4" MINIMUM AND 2'-0" MAXIMUM UNLESS OTHERWISE SPECIFIED IN THE TABLE. FINISH TO ... to THE MIN. RADIUS SHALL BE 16" UNLESS OTHERWISE SPECIFIED IN THE TABLE. THE MAX. RADIUS SHALL BE 24". FINISH TO ...

In the TABLE: Added +/- column under ANCHOR ROD OFFSET