B354
Curved Plate Bearing Assembly (Steel Beams) (Fixed)

Approved, and signed, November 22, 2002. Last date revised: November 08, 2018

Revised 11-08-2018
Under NOTES:
- Changed numbered note © from “Refer to bearing pad restraint sheet for additional information and details” to “Refer to bearing pad restraint B-Detail for additional information and details”.

Revised 11-02-2017
Under NOTES:
- Changed numbered note © to read: Refer to bearing pad restraint sheet for additional information and details.

At SECTION Y-Y:
- Changed the note from: Welded Bar (Typ.) © to: Restraint Bar (Typ.) ©.
- Removed the weld symbol pointing to the restraint bar.

At the SIDE ELEVATION and SECTION X-X:
- Added the restraint bars under the bearing plate.
- Changed the curved plate leader line for clarity at the Side Elevation.

At the DESIGNER NOTE:
- Removed the 1st designer note pertaining to the anchor rods.
- Added new note: Per note © include B307 and modify as necessary.

Updated the DESIGN DATA box to read:
- MAX. FACTORED SHEAR RESISTANCE:
  - 50.3 KIPS PER 1½” DIA. PINTLE
  - 36.2 KIPS PER 1½” DIA. ANCHOR ROD

At the bearing TABLE:
- Rotated the column titles for Shape Factor & Pintle Dia. to acquire width space for table.
- Added the RESTRAINT PATTERN column along with numbered note ©.

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