

B309

Tapered Bearing Plate Assembly (for Integral Abutments or Piers with Continuity Diaphragms)

Approved, and signed, December 20, 2018. Last date revised: October 22, 2019.

Revised 10-22-2019

Under NOTES:

- Within the notes: Changed the term “per spec.” to “in accordance with spec.” in all instances.

At the Table:

- In the Beam Size column, added the under bars (_ _) to the beam types to designate the appropriate beam size when filling out the chart.

At the Designer Note:

- Added – “Insert table values as needed and delete unused data.”

Re-Approved 12-20-2018

In the TABLE:

- First row, column labeled “Beam Size”, added “RB, M & MN”.
- Second row, added bearing pad and plate size information for MH shape beams.

Revised 11-08-2018

Under NOTES:

- Changed numbered note ④ *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 the 5th note to read: Payment for tapered bearing plate assembly includes all material on this detail.
- Changed the numbered note ④ to read: Refer to bearing pad restraint sheet for additional information and details.

At BEARING PLATE DETAIL:

- Removed the weld symbol from the underside of the bearing plate/bar location and added “Restraint Bar (Typ.) ④” with leader line to the bearing plate/bar location. Also added missing arrowhead to the detail.
- Removed “Welded Bar (Typ.) ④”

At the Bearing Plate PLAN:

- Added the 8” dimensions from the C beam to the C pintle locations.
- Added the ½” dia. handling hole with ¾” dimensions from the corner of the bearing plate.

At the SIDE ELEVATION and SECTION X-X:

- Added the restraint bars under the bearing plate.
- Changed the multiple dashed beam shapes to the MN shape with the accompanying note: MN shape shown (other shapes similar)

At the DESIGNER NOTE:

- Added note: Per note ④ include B307 and modify as necessary.

At the bearing TABLE:

- Added the RESTRAINT PATTERN ④ column and the A-1 designation within the column pertaining to the restraint pattern type.

Added the DESIGN DATA box:

- MAX. FACTORED SHEAR RESISTANCE:
- 50.3 KIPS PER 1½” DIA. PINTLE

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 right side of the detail.
- Changed the “Welded Stud (Typ.) ④” to “Welded Bar (Typ.) ④”
- Removed the 1/2” recess dimension from the top left of the bearing plate.

Under NOTES:

- Changed all notes to “Active Voice” if needed.
- Changed the 4th note to read: Galvanize structural steel bearing assembly after fabrication per spec. 3394.
- Changed numbered note ④ 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".

Approved, and signed, February 27, 2013

NEW DETAIL