B309
Tapered Bearing Plate Assembly (for Integral Abutments or Piers with Continuity Diaphragms)


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 ⑤ 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.) ⑤” with leader line to the bearing plate/bar location. Also added missing arrowhead to the detail.
- Removed “Welded Bar (Typ.) ⑤”
At the Bearing Plate PLAN:
- Added the 8” dimensions from the $<$ beam to the $<$ 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 ⑤ include B307 and modify as necessary.
At the bearing TABLE:
- Added the RESTRAINT PATTERN ⑤ 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.) ⊗” to “Welded Bar (Typ.) ⊗”
- Removed the ½” 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 ⊗ 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