

TABLE OF DESIGN VARIABLES

GENERAL NOTES

Elastomeric Bearings shall conform to Special Provision Job 110387 "Elastomeric Bearings" and Section 808. Long-duration testing of random lot samples specified in Subsection 808.05 is not required. Bearings shall be paid for at the unit price bid for "Elastomeric Bearings".

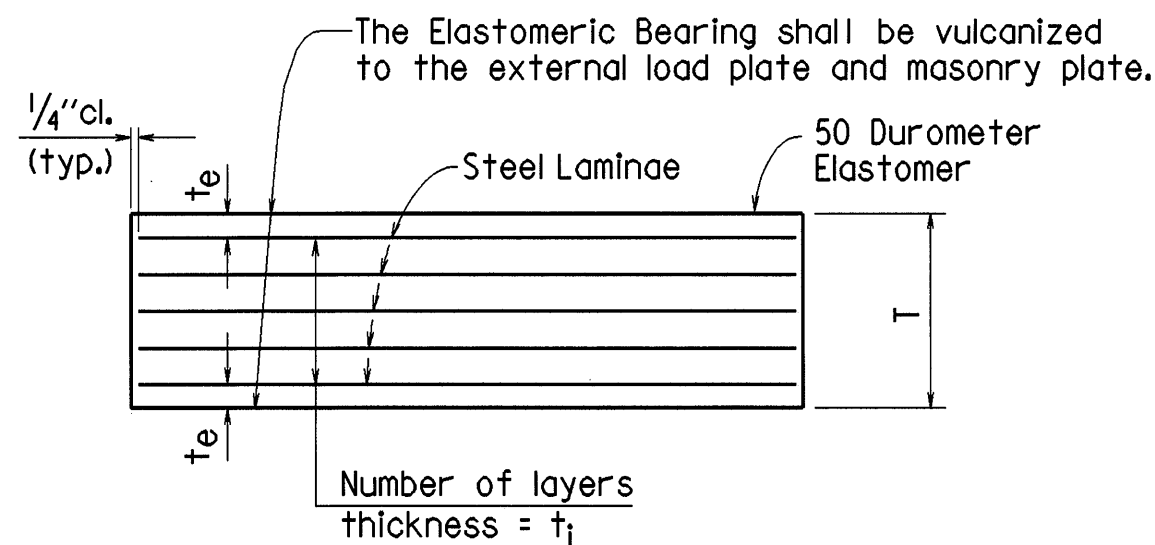
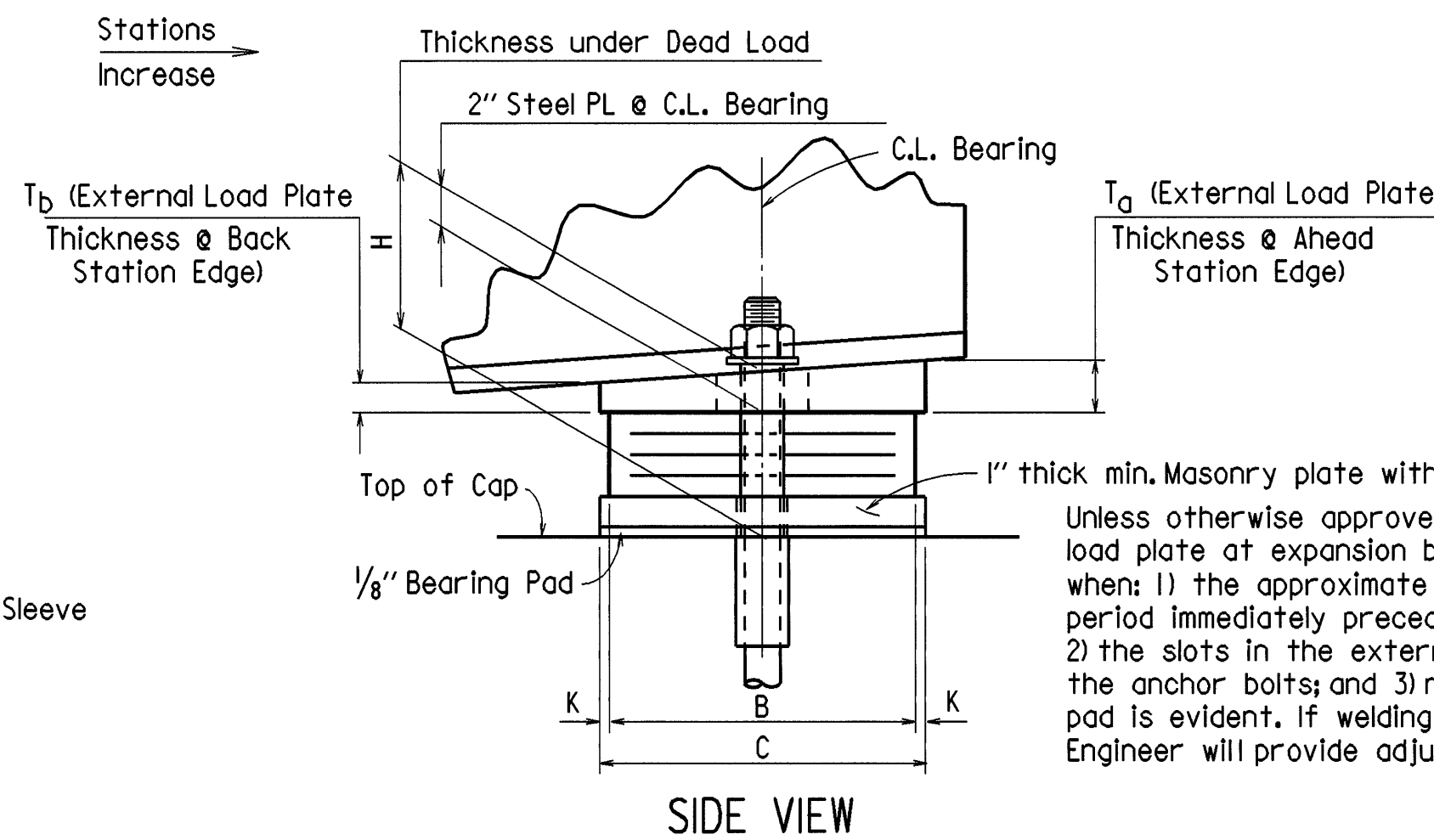
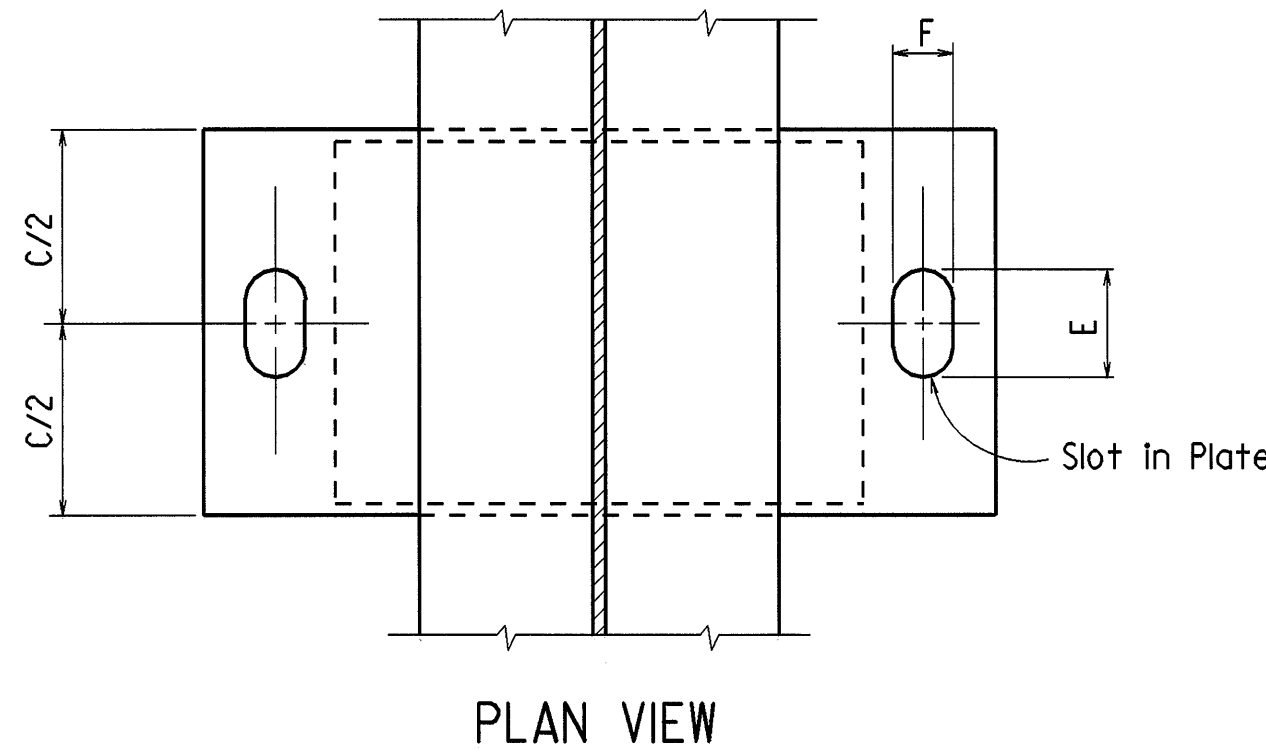
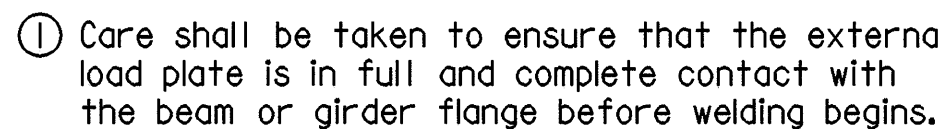
External load plates and masonry plates shall conform to AASHTO M270, Grade 50W. Pipe sleeves shall be ASTM A53, Grade B, and shall be galvanized to conform to AASHTO M232, Class C or AASHTO M 298, Class 50.

External load plates and masonry plates shall be completely fabricated (including bevel and bolt holes) and shall be cleaned before vulcanizing to the elastomeric bearing. Surfaces in contact with the elastomeric bearing shall be cleaned in accordance with subsection 808.03. Other surfaces shall be blast cleaned in accordance with subsection 807.84(e) for unpainted Grade 50W steel.

Anchor Bolts, Washers and Nuts shall conform to subsection 807.07. The anchor bolt grade of steel shall be as specified in the "Table of Fabricator Variables". Indentations shall be circular with rounded bottoms and staggered as shown in the details.

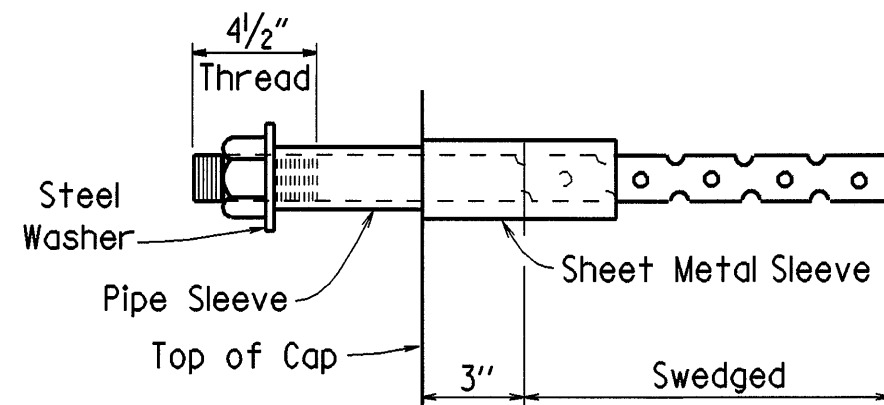
Pipe Sleeves, Anchor Bolts, Washers and Nuts shall be paid for at the unit price bid for "Structural Steel in Beam Spans (M270, Gr. 50W)". All external load plates, masonry plates and bearing pads will not be paid for separately, but will be included in the unit price bid for "Elastomeric Bearings".

Bearings with masonry plates and 1/8" bearing pads shall be firmly seated in accordance with Subsection 807.66. This work shall be considered subsidiary to the item "Elastomeric Bearings" and shall not be paid for directly.



t_e = thickness of elastomer cover on top and bottom of pad
 t_i = thickness of elastomer between steel laminae
 N = number of elastomer layers of thickness t_i

ELASTOMERIC BEARING



ANCHOR BOLT DETAIL

NOTE: Anchor Bolts may be cast in place or drilled and grouted into place. If Anchor Bolts are to be cast in place, the Galvanized Sheet Metal Sleeves will not be required.

If Anchor Bolts are to be drilled and grouted in place, the Galvanized Sheet Metal Sleeves shall be cast in place as shown. Sleeves shall be dry packed with styrofoam, urethane foam or approved equal prior to pouring of concrete. After pouring of the cap and prior to erection of Structural Steel, the dry pack shall be removed and holes for the anchor bolts shall be accurately drilled into the masonry. Bolts placed in drilled holes shall be accurately set and fixed using a QPL approved epoxy or non-shrink grout that completely fills the holes. Galvanized Sheet Metal Sleeves will not be paid for directly, but will be considered subsidiary to the item "Structural Steel in Beam Spans, (M270, Gr. 50W)"

TABLE OF FABRICATOR VARIABLES

* Maximum Design Load = SERVICE LOAD

** The dimension "E" does not apply to masonry plates - see Side View

Tabular Data by : maat Date: March 03
Checked by : GVA Date: 7-23-03
Designed by : maat Date: March 03



BRIDGE ENGINEER

DETAILS OF ELASTOMERIC BEARINGS WITH MASONRY PLATE WALNUT LAKE

ROUTE SEC. ARKANSAS STATE HIGHWAY COMMISSION

DRAWN BY: KDH DATE: 4-17-2000 FILENAME: BI103887.E2
CHECKED BY: GYA DATE: 7-23-03 SCALE: NONE
DESIGNED BY: STD DATE: _____
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