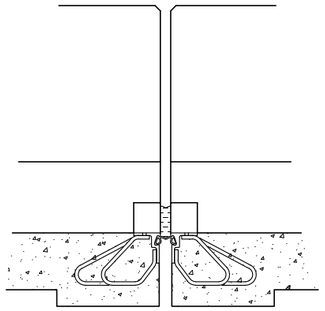
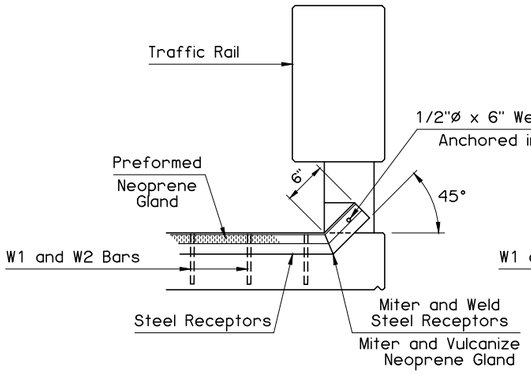
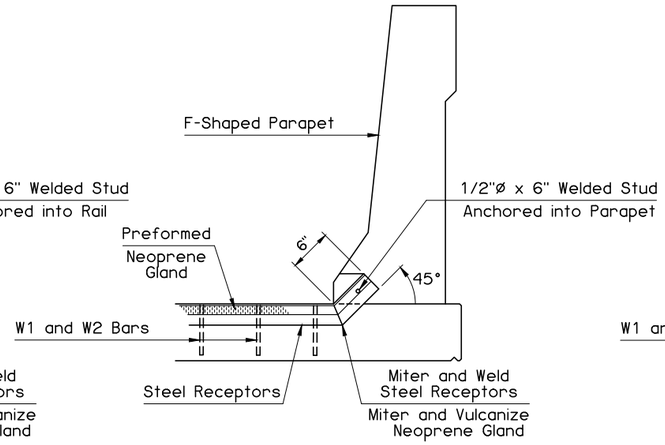


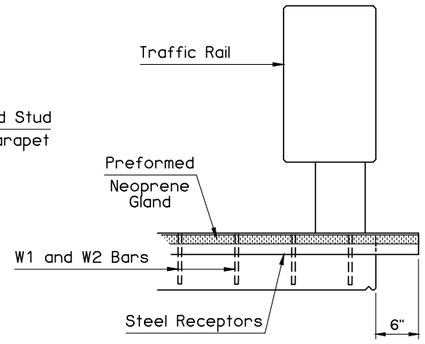
ELEVATION
WITHOUT OPENINGS



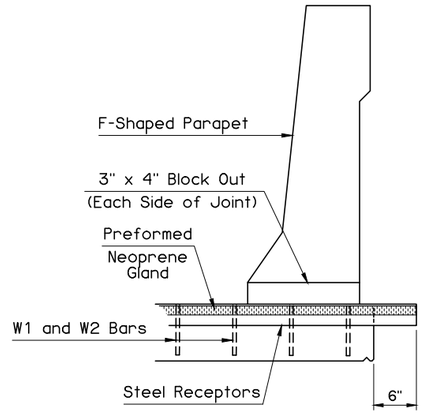

SECTION AT TRAFFIC RAIL
WITHOUT OPENINGS



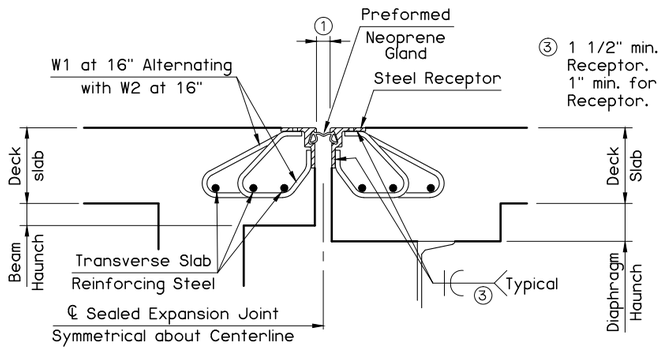

SECTION AT F-SHAPED PARAPET
WITHOUT OPENINGS




SECTION AT TRAFFIC RAIL
WITH OPENINGS

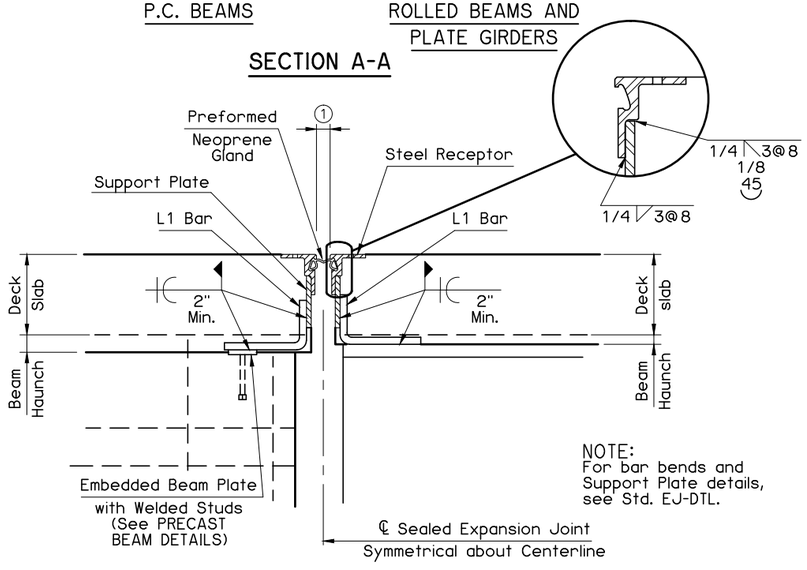



SECTION AT F-SHAPED PARAPET
WITH OPENINGS




P.C. BEAMS ROLLED BEAMS AND PLATE GIRDERS

SECTION A-A




NOTE:
For bar bends and Support Plate details, see Std. EJ-DTL.

P.C. BEAMS ROLLED BEAMS AND PLATE GIRDERS

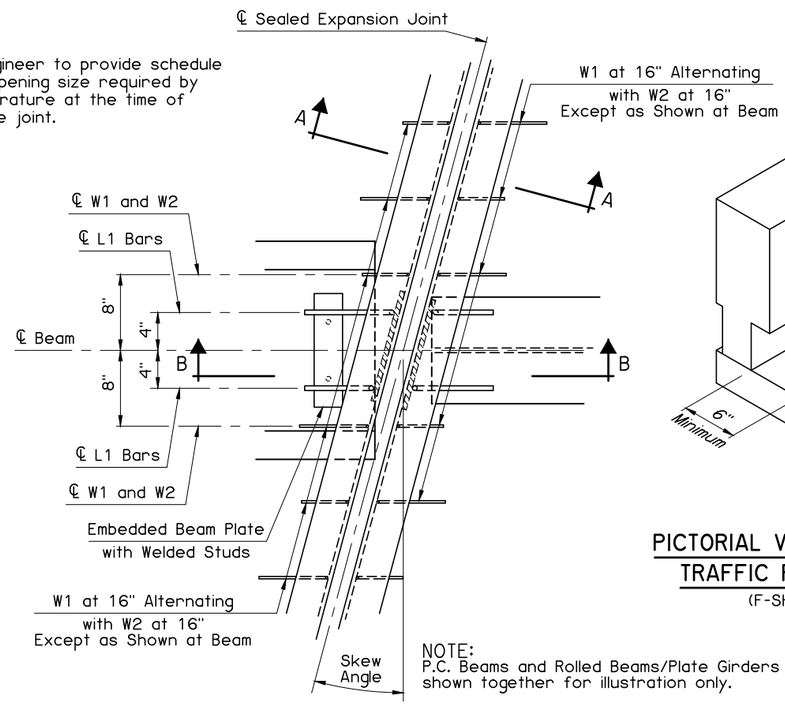
SECTION B-B

③ 1 1/2" min. for Type Q Receptor.
1" min. for Type SSCM-0K Receptor.

| TEMPERATURE CHANGE PER EVERY 1/8" CHANGE IN BRIDGE LENGTH ② | | | | | |
|---|---|---|---|---|---|
| BEAM TYPE | TOTAL EXPANSION LENGTH | | | | |
| | 100' | 200' | 300' | 400' | 500' |
| CONCRETE | 17.3°F | 8.7°F | 5.8°F | 4.3°F | 3.5°F |
| STEEL | 16.0°F | 8.0°F | 5.3°F | 4.0°F | 3.2°F |

② Table is for assisting in determining joint opening size. A nominal 2" joint opening corresponds to 43°F for new prestressed concrete beams and 60°F for steel beams. Decrease opening as temperature rises and increase as temperature drops.
Measure change in bridge length parallel to beams. For change in joint opening size measured normal to joint, divide temperature change by cosine of skew angle.

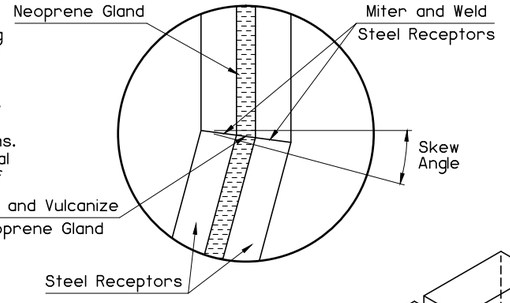
① Design Engineer to provide schedule of joint opening size required by the temperature at the time of setting the joint.



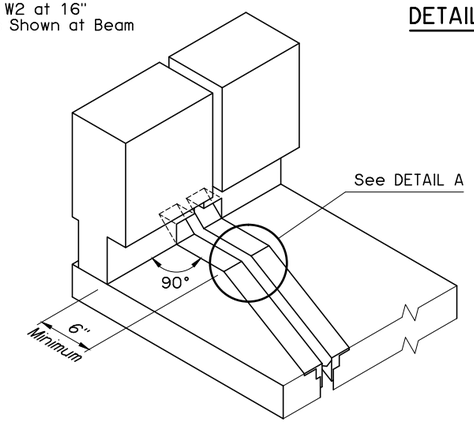

NOTE:
P.C. Beams and Rolled Beams/Plate Girders shown together for illustration only.

P.C. BEAMS ROLLED BEAMS AND PLATE GIRDERS

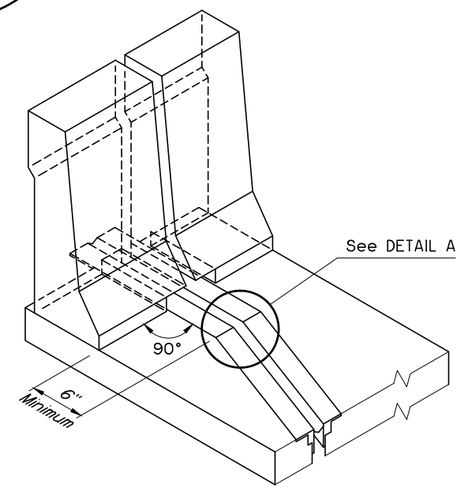
PLAN




DETAIL A




PICTORIAL VIEW OF SEALED JOINT AT
TRAFFIC RAIL WITHOUT OPENINGS
(F-SHAPED PARAPET SIMILAR)




PICTORIAL VIEW OF SEALED JOINT AT
F-SHAPED PARAPET WITH OPENINGS
(TRAFFIC RAIL SIMILAR)

APPROVED BY BRIDGE ENGINEER DATE 12-20-16

OKLAHOMA DEPT. OF TRANSPORTATION
BRIDGE STANDARD (ENGLISH)

# SKEWED SEALED EXPANSION JOINT CONVENTIONAL

| 2009 SPECIFICATIONS | EJ-SK | 04E |
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