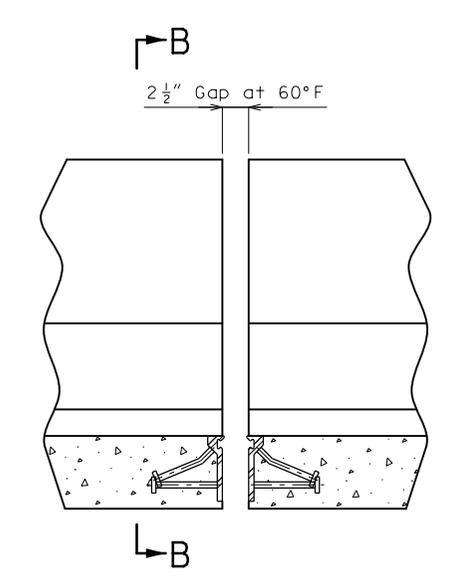
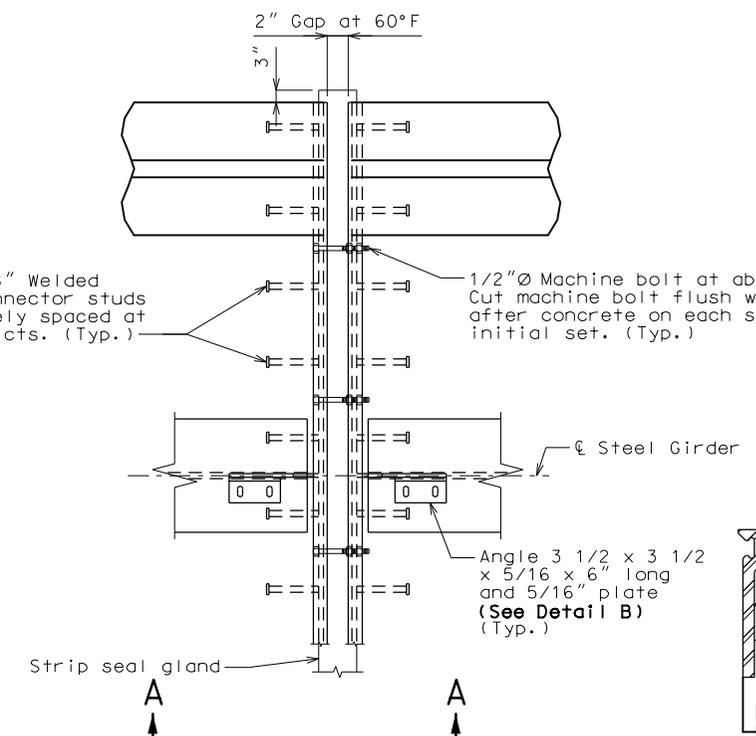


1/2"Ø Machine bolt at abt. 18" cts. Use two hex nuts to set gap before concrete placement. Gap may be set anytime up to but not exceeding 2 hours before concrete placement. Cut machine bolt flush with steel armor after concrete on each side has taken initial set.

SECTION A-A
Note: Strip seal gland not shown for clarity.



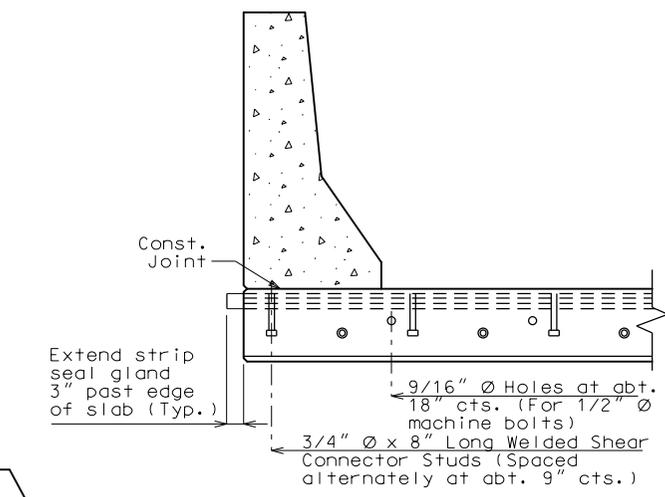
Note: Strip seal gland not shown for clarity.
PART ELEVATION OF BARRIER CURB



3/4"Ø x 8" Welded shear connector studs alternately spaced at about 9" cts. (Typ.)

1/2"Ø Machine bolt at about 18" cts. Cut machine bolt flush with steel armor after concrete on each side has taken initial set. (Typ.)

PART PLAN

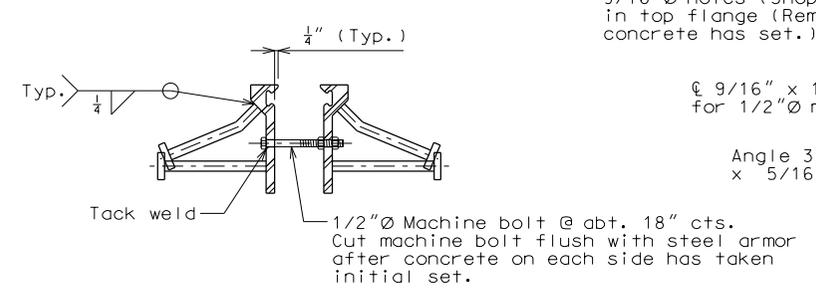


Extend strip seal gland 3" past edge of slab (Typ.)

9/16" Ø Holes at abt. 18" cts. (For 1/2"Ø machine bolts)

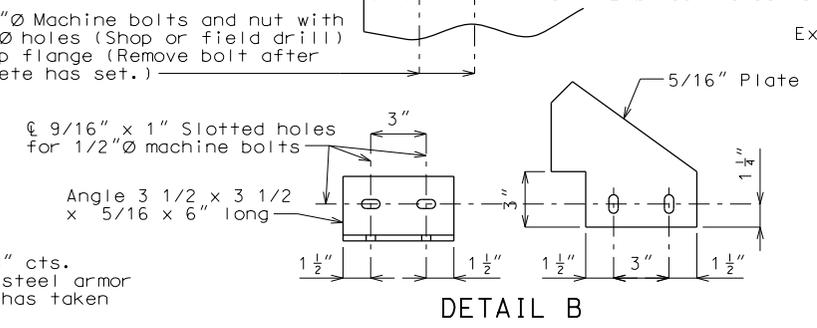
3/4" Ø x 8" Long Welded Shear Connector Studs (Spaced alternately at abt. 9" cts.)

PART SECTION B-B



1/2"Ø Machine bolt @ abt. 18" cts. Cut machine bolt flush with steel armor after concrete on each side has taken initial set.

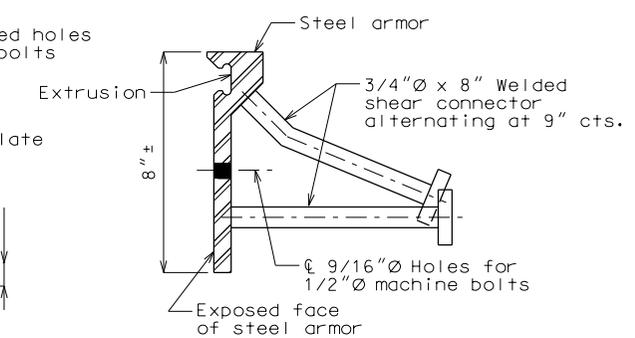
DETAIL A



9/16" x 1" Slotted holes for 1/2"Ø machine bolts

Angle 3 1/2" x 3 1/2" x 5/16" x 6" long

DETAIL B



Steel armor

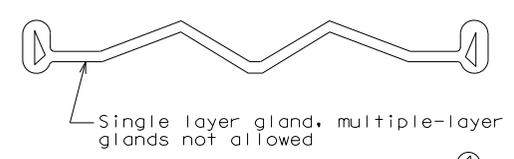
Extrusion

3/4"Ø x 8" Welded shear connector alternating at 9" cts.

9/16"Ø Holes for 1/2"Ø machine bolts

Exposed face of steel armor

DETAIL OF JOINT ARMOR



Single layer gland, multiple-layer glands not allowed

DETAIL OF GLAND

Standard Drawing Guidance (do not show on plans):

- ① Strip seal gland size.
- ② Installation gap temperature adjustment normal to the joint.

GENERAL NOTES:

Expansion joint system shall be fabricated in one section, except for stage construction and when the length is over 50 feet. A complete joint penetration groove welded splice shall be required. Welds shall be ground flush to provide a smooth surface. The expansion joint system shall be fabricated and installed to the crown and grade of the roadway.

The strip seal gland shall be installed in joints in one continuous piece without field splices. Factory splicing will be permitted for joints in excess of 53 feet.

Structural steel for the expansion joint system shall be ASTM A709 Grade 36 except the steel armor may be ASTM A709 Grade 50W. Anchors for the expansion joint system shall be in accordance with Sec 1037. Strip seal expansion joint system shall be in accordance with Sec 717.

Structural steel for the expansion joint system shall be coated with a minimum of two coats of inorganic zinc primer (5 mils minimum) or galvanized in accordance with ASTM A123. Anchors need not be protected from overspray.

Plan dimensions are based on installation at 60°F. The expansion gap and other dimensions shall be increased or decreased for each 10° fall or rise in temperature at installation.

Longitudinal reinforcing steel shall be placed so that ends shall not be more than ±1" from vertical leg of the steel armor at the expansion joint system.

Concrete shall be forced under and around steel armor and anchors. Proper consolidation of the concrete shall be achieved by localized internal vibration.

THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT.

DATE PREPARED: 10/23/2014

ROUTE: STATE: MO

DISTRICT: SHEET NO.:

COUNTY:

JOB NO.:

CONTRACT ID.:

PROJECT NO.:

BRIDGE NO. SSE20

DESCRIPTION	DATE

MISSOURI HIGHWAYS AND TRANSPORTATION COMMISSION

105 WEST CAPITOL JEFFERSON CITY, MO 65102 1-888-ASK-MODOT (1-888-275-6636)

MoDOT

REV.: