

Standard Drawing Guidance do not show on plans):

Modify drawing as necessary.

Remove non-applicable rows in table.

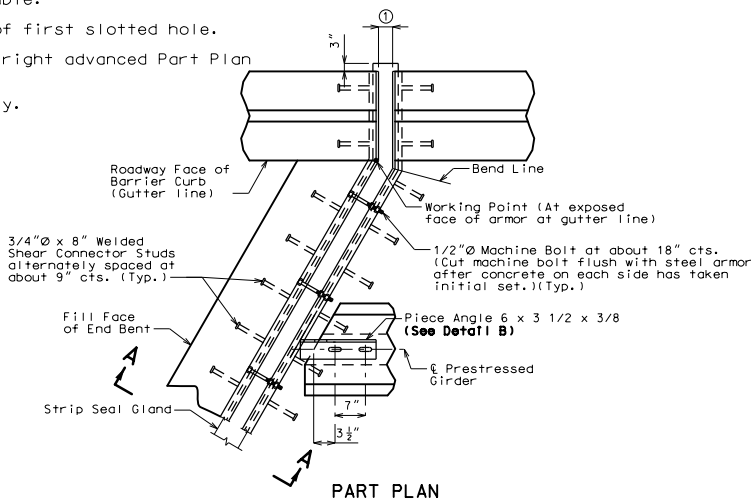
A Piece angle length to center of first slotted hole.

B Use squared, left advanced or right advanced Part Plan as needed.

C = 3/4" (Min.) @ 60° Verify only.

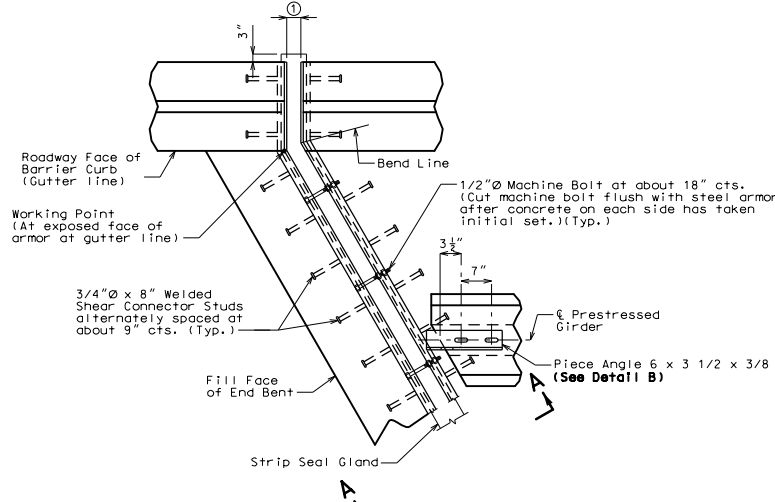
D = ① @ 60° + 1/2" upper lips + 3/4" (Min.) Verify only.

Left Advanced



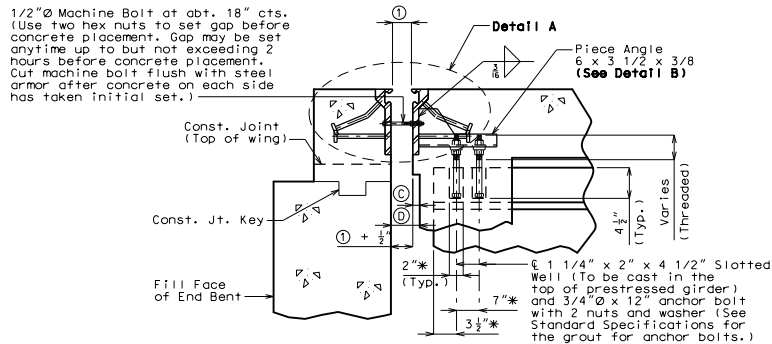
PART PLAN

Right Advanced



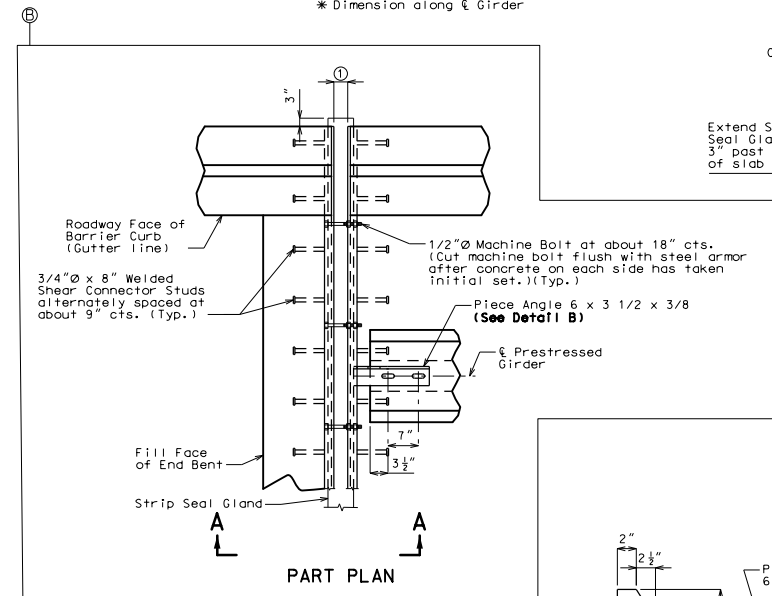
PART PLAN

STSEJ501\_psi\_end\_cip Effective: Jan. 2019 Supersedes: Feb. 2018

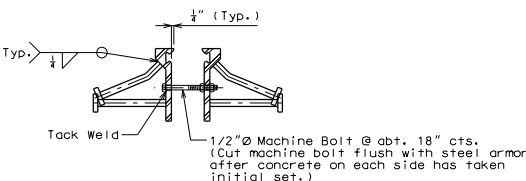


SECTION A-A

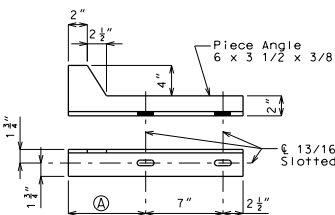
Note: Strip seal gland not shown for clarity.  
\* Dimension along E Girder



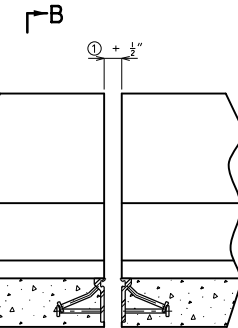
PART PLAN



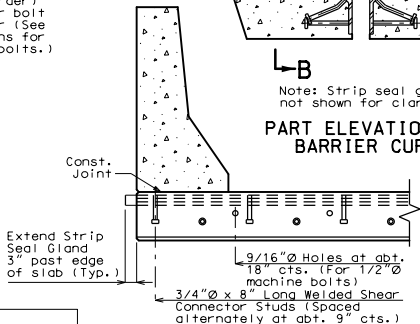
DETAIL A



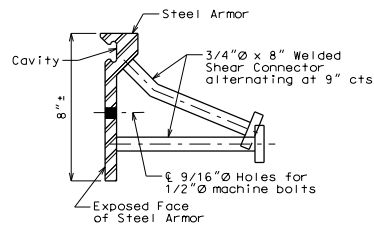
DETAIL B



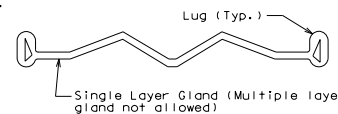
PART ELEVATION OF BARRIER CURB



PART SECTION B-B



DETAIL OF JOINT ARMOR



DETAIL OF GLAND

### GENERAL NOTES:

Expansion joint system shall be fabricated in one section, except for staged 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.

Longitudinal reinforcing steel shall be placed so that ends shall be 1" from the 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.

The installation temperature shall be taken as the actual air temperature averaged over the 24-hour period immediately preceding installation.

MoDOT Construction personnel will indicate the strip seal expansion joint system installed.

Steel armor may also be referred to as extrusion or rail.

Table of Allowed Transverse Strip Seal Expansion Joint System

Manufacturer	Strip Seal System (Designated Name)	Movement Parallel to RDWY	① Allowed Installation Gap Normal to Joint at RDWY Surface @ Air/Surface Temperature ②						③
			@ 40°F	@ 50°F	@ 60°F	@ 70°F	@ 80°F	@ 90°F	
D S Brown	Strip seal L2-400	XXX	XXX	XXX	XXX	XXX	XXX	XXX	□
D S Brown	Strip seal L2-500	XXX	XXX	XXX	XXX	XXX	XXX	XXX	□
Watson Bowman Acme (Wabo)	Strip seal SE-300	XXX	XXX	XXX	XXX	XXX	XXX	XXX	□
Watson Bowman Acme (Wabo)	Strip seal SE-400	XXX	XXX	XXX	XXX	XXX	XXX	XXX	□
Watson Bowman Acme (Wabo)	Strip seal SE-500	XXX	XXX	XXX	XXX	XXX	XXX	XXX	□

### DETAILS OF STRIP SEAL EXPANSION JOINT SYSTEM AT END BENT NO.

Note: This drawing is not to scale. Follow dimensions.

Sheet No. of

Detailed Checked

"THIS MEDIA SHOULD NOT BE CONSIDERED A CERTIFIED DOCUMENT."

DATE PREPARED 1/25/2019

ROUTE STATE MO

DISTRICT BR SHEET NO. \*

COUNTY \*

JOB NO. \*

CONTRACT ID. \*

PROJECT NO.

BRIDGE NO. STSEJ501

DESCRIPTION

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