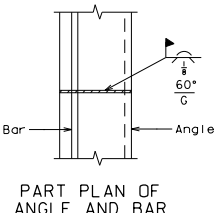
PART SECTION
(TYPICAL)

PART SECTION THRU
BEVEL PLATE

The diagram shows a vertical plate with a horizontal roadway plate. A vertical plate is shown to the right of the roadway plate. A horizontal line with arrows at both ends is labeled "Roadway Plate". A vertical line with arrows at both ends is labeled "Vertical Plate". A horizontal line with an arrow pointing right is labeled "60°". A vertical line with an arrow pointing up is labeled "60°".

PART SECTION B-E



PART SECTION A-A

DETAILS OF FLAT PLATE EXPANSION DEVICE AT END BENT NO.

Sheet No. of

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

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.

Material for the expansion device shall be ASTM A709 Grade 36 structural steel. Anchors for the expansion device shall be in accordance with Sec 1037.

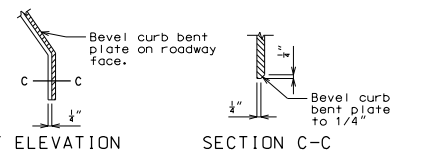
Structural steel for the expansion device and curb plate shall be coated with a minimum of two coats of inorganic zinc primer (5 mils minimum) or galvanized in accordance with ASTM A123. Anchors need not be protected from overspray.

Payment for furnishing, coating or galvanizing and installing the structural steel for the expansion device will be considered completely covered by the contract unit price for Expansion Device (Flat Plate) per linear foot.

Concrete shall be forced under and around flat plate, columns and angles. Proper consolidation shall be achieved by localized internal vibration. Finishing of the concrete shall be achieved by hand finishing within one foot of the expansion device. The vertical and horizontal concrete vent holes shall be offset from each other. Do not alternate holes at the 12" spacing.

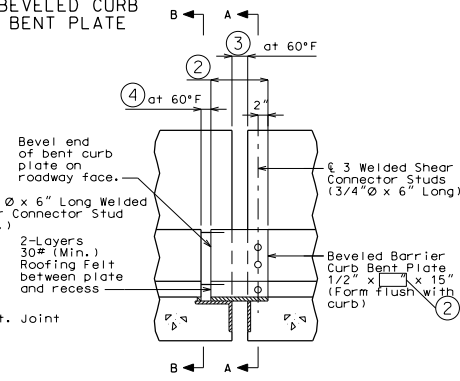
Longitudinal reinforcing steel shall be placed so that ends shall not be more than $\pm 1"$ from vertical plate and the vertical leg of the angle at the expansion device.

Complete joint penetration welds utilized in the fabrication of the expansion device shall be nondestructively tested by an approved method.



PART ELEVATION
AT END OF
BEVELED CURB
BENT PLATE

SECTION C-C



ELEVATION OF BARRIER CURB

DATE PREPARED	
11/14/2012	
ROUTE	STATE
*	MO
DISTRICT	SHEET NO.
BR	*
COUNTY	
*	
JOB NO.	
*	
CONTRACT ID.	
PROJECT NO.	
BRIDGE NO.	
EFG 21	

DESCRIPTION

DATE _____

WAYS AND TRANS
COMMISSION

MISS



105 WEST CAPITOL
JEFFERSON CITY, MO 65102
1-888-ASK-MDOT (1-888-275-6236)