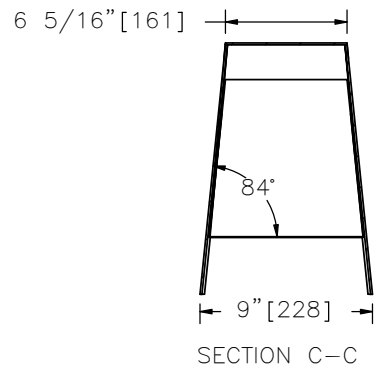


- NOTES:
- (1) FOUR GUSSETS AND END PLATE ARE STITCH WELDED ON THREE SIDES.
 - (2) TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE, AND GUSSETS.
 - (3) THE TCBT CAP SHALL BE FABRICATED WITH ASTM A36 12 GAUGE [2.7] STEEL.
 - (4) FOR CONNECTION TO VARIOUS HEIGHT BARRIERS CAP CAN BE MODIFIED
 - KEEP SLOPE
 - EQUAL OR SMALLER GUSSET SPACING
 - IF TALLER-CAP INCREASING LENGTH REQUIRES ADDITIONAL CAP ANCHORS ALONG THE SIDES AT MIDSPAN

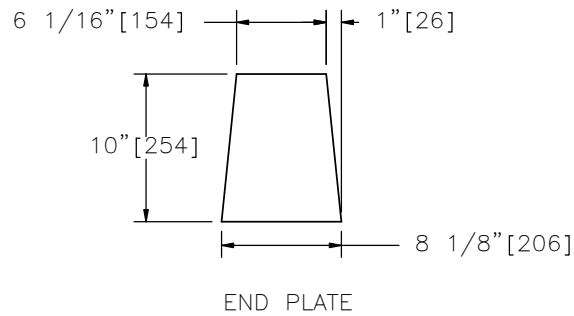
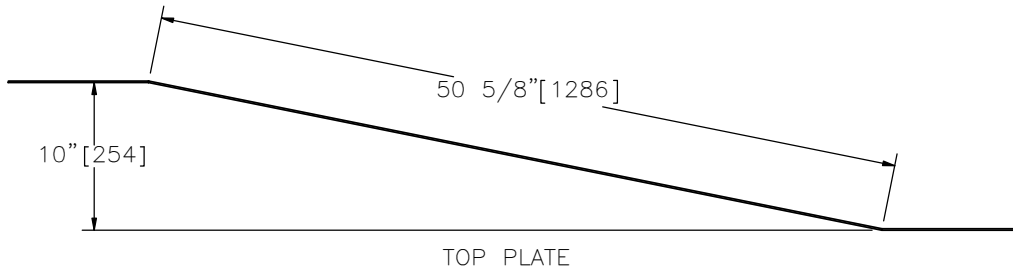
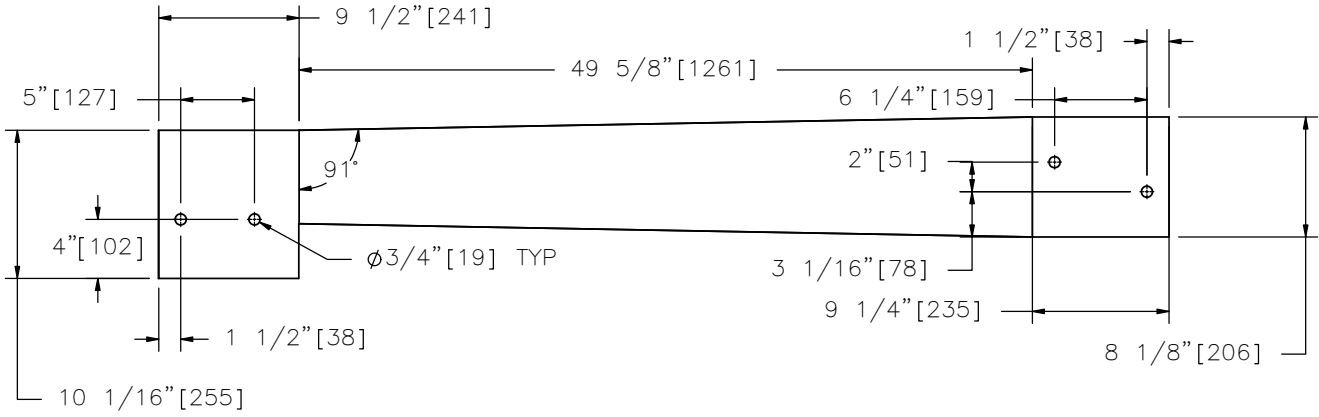
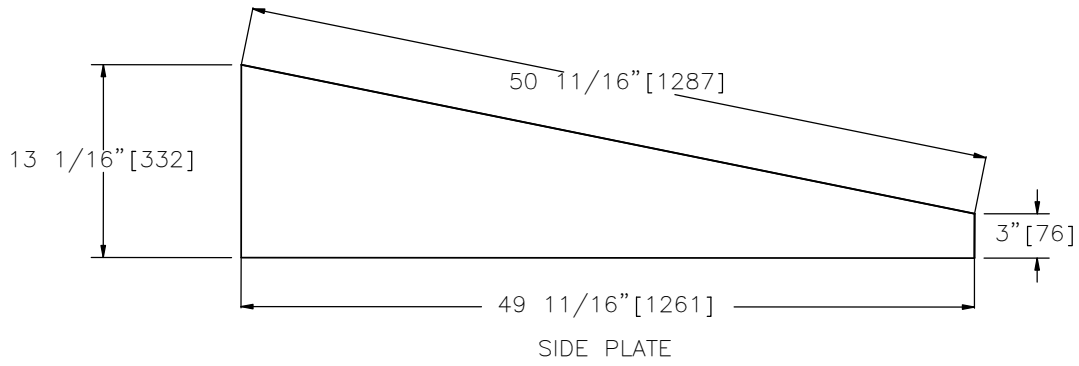


PORTABLE CONCRETE BARRIER TRANSITION CAP



RET01

SHEET NO.	DATE:
1 of 4	9/12/2011



PORTABLE CONCRETE BARRIER TRANSITION CAP

RET01

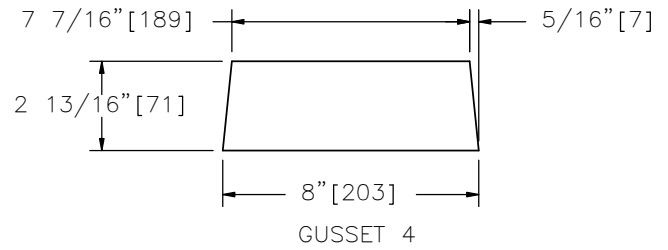
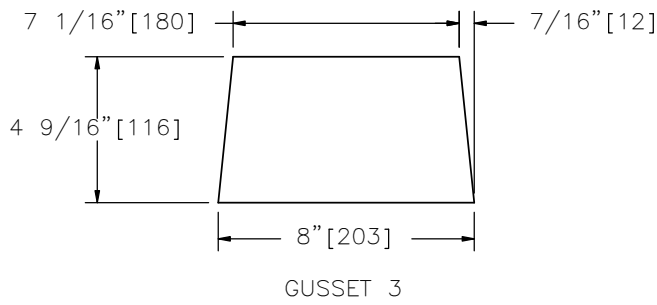
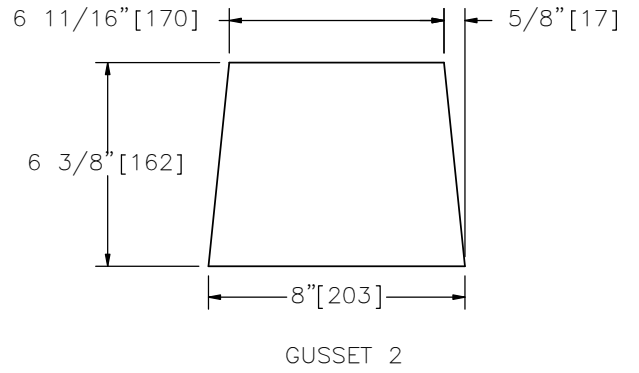
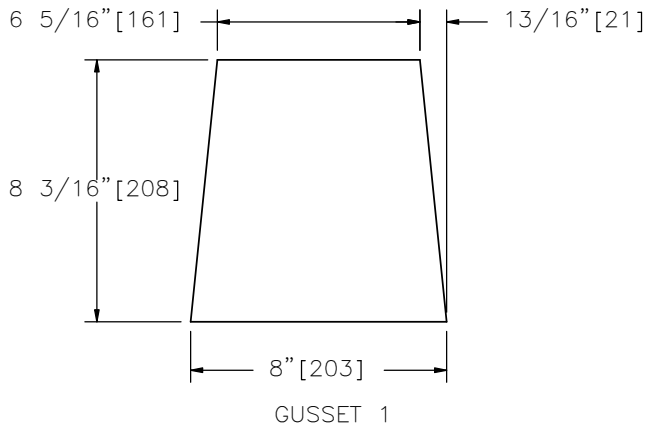
SHEET NO.

DATE:

2 of 4

9/12/2011





PORTABLE CONCRETE BARRIER TRANSITION CAP



RET01

SHEET NO.

DATE:

3 of 4

9/12/2011

SPECIFICATIONS

The portable concrete barrier transition cap shall be manufactured from steel plate conforming to AASHTO M270M (ASTM A709M) Grade 250 steel or ASTM A36/A36M steel. The top edges and end plate are to have continuous welds and the four gussets and end plate are stitch welded on three sides. The two triangular side plates are stitch welded to the top plate, end plate, and gussets.

Dimensional tolerances not shown or implied are intended to be those consistent with the proper functioning of the part, including its appearance and accepted manufacturing practices.

INTENDED USE

The temporary concrete barrier transition cap is to be used with the F-Shape Concrete Barrier Element (SWC09), the Thrie-Beam End Shoe (RTE01b), Thrie-Beam Guardrail (RTM02a), and Powers Fasteners Wedge-Bolt Ø5/8" [16] x 4" [102] long in the Portable Concrete Median Barrier Transition (SWC16). For connection to various height barriers the cap can be modified but must maintain the same slope, have equal or smaller gusset spacing, and if taller, an increase in cap length requires additional cap anchors along the sides at the midspan.

CONTACT INFORMATION

Midwest Roadside Safety Facility
Nebraska Transportation Center
University of Nebraska-Lincoln
130 Whittier Research Center
2200 Vine Street
Lincoln, NE 68583-0853
(402) 472-0965
Email: mwrfsf@unl.edu
Website: <http://mwrfsf.unl.edu>

PORTABLE CONCRETE BARRIER TRANSITION CAP

RET01

SHEET NO.

DATE:

4 of 4

9/12/2011

