

## SLOTTED AND BENT THRIE BEAM GUARDRAIL



# RTM07a-e

SHEET NO.  
1 of 4

DATE:  
10/22/2008

## SPECIFICATIONS

Corrugated sheet thrie beam guardrail shall conform to the current requirements of AASHTO M180. The section shall be manufactured from sheets with a nominal width of 29.5" [750]. RMT07a–e shall conform to AASHTO M180 Class A. Thrie beams may be either Type II (zinc–coated) or Type IV (corrosion resistant steel). Corrosion resistant steel should conform to ASTM A606 for Type IV material and shall not be zinc–coated, painted or otherwise treated. Inertial properties are calculated for the whole cross–section without a reduction for the splice bolt holes or slots.

Designator	Base Metal	Area	$I_x$	$I_y$	$S_x$	$S_y$
	Thickness					
	Gauge[mm]	$\text{in}^2[10^3\text{mm}^2]$	$\text{in}^4[10^6\text{mm}^4]$	$\text{in}^4[10^6\text{mm}^4]$	$\text{in}^3[10^3\text{mm}^3]$	$\text{in}^3[10^3\text{mm}^3]$
RTM07a–e	12 [2.67]	3.16 [2.04]	3.8 [1.6]	--	2.22 [36.4]	--

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 bent and slotted thrie beam elements are the main rail element in the SET03 thrie–beam bullnose end terminal.

## CONTACT INFORMATION

Midwest Roadside Safety Facility  
E527 Nebraska Hall  
Lincoln, NE 68588–0529  
(402) 472–0529  
Email: [mwrfsf@unl.edu](mailto:mwrfsf@unl.edu)  
Website: <http://mwrfsf.unl.edu/>

## SLOTTED AND BENT THRIE BEAM GUARDRAIL

# RTM07a-e

SHEET NO.

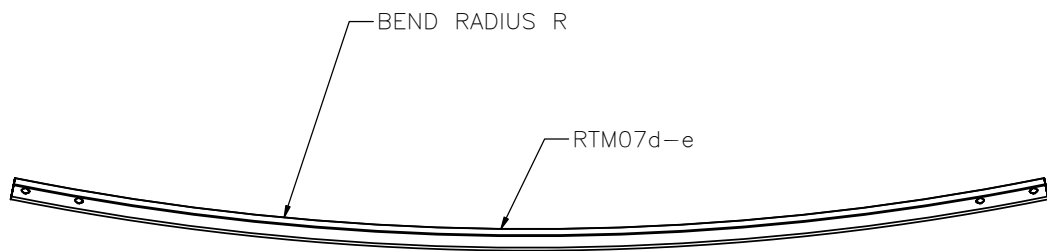
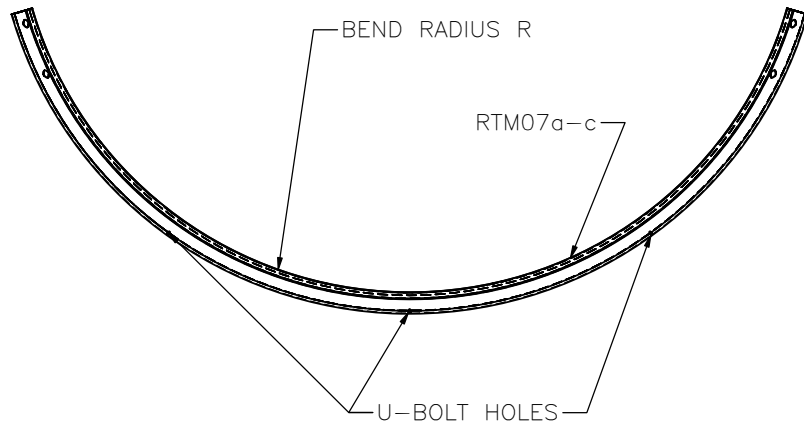
DATE:

2 of 4

10/22/2008



Part	Inside Bend Radius (R) in. [mm]
RTM07a	62 1/4 [1581]
RTM07b	93 1/4 [2369]
RTM07c	124 3/8 [3159]
RTM07d	409 1/2 [10401]
RTM07e	0 [0]



**SLOTTED AND BENT THRIE BEAM GUARDRAIL**



**RTM07a-e**

SHEET NO.

DATE:

3 of 4

10/22/2008

PAGE INTENTIONALLY LEFT BLANK

SLOTTED AND BENT THRIE BEAM GUARDRAIL

RTM07a-e



SHEET NO.

DATE:

4 of 4

10/22/2008