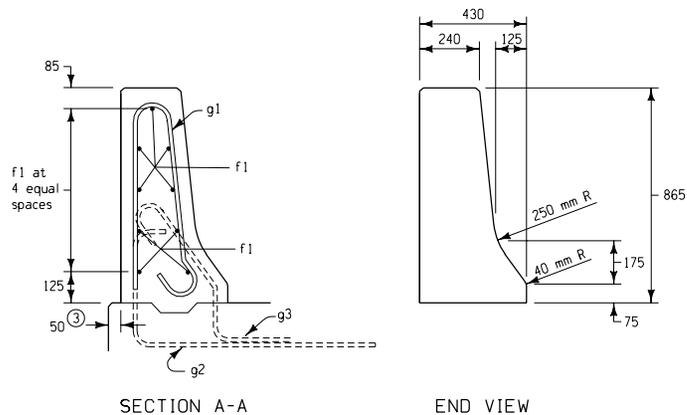


ELEVATION VIEW  
(Front Face)

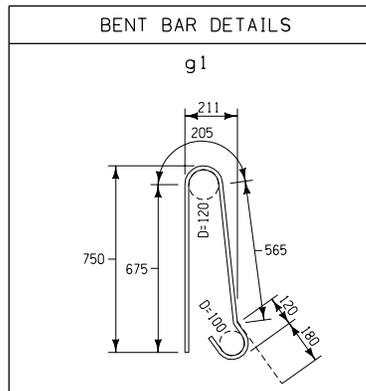


SECTION A-A

END VIEW

ESTIMATED QUANTITIES FOR BARRIER	
Per Meter	
Concrete - m <sup>3</sup>	0.30 ①
Reinforcing Steel - kg	30 ②

REINFORCING BAR LIST			
Per Section (Approx. 6 meters)			
Mark	Size	Number of Bars	Length
g1	15	15	1745
f1	20	9	5800



GENERAL NOTES:

Details shown hereon are for the construction of Reinforced Concrete Barrier Half Section connected to Reinforced Paved Shoulder. The 865 millimeter high, 240 millimeter top "F-Shape" barrier shall be cast in place or slip-formed. Materials and construction methods used shall be in accordance with current Standard and Supplemental Specifications.

Details shown are typical. Alternate design details may be submitted to the Engineer for approval.

The concrete for the barrier shall be Class 'D' Structural Concrete placed and finished as specified for "Precast and Prestressed Concrete Bridge Units" in the current Standard Specifications or by a method approved by the Engineer. All exposed corners 90 degrees or sharper are to be filleted with a 20 millimeter dressed and beveled strip.

Joints shall be cut in barrier to match transverse joints in the roadway and shoulder. Joint shall be cut 50 millimeters in depth on front, top, and back.

All reinforcing bars shall be epoxy coated and be grade 400. Minimum clear distance from face of concrete to the nearest reinforcing bar is to be 50 millimeters.

The price bid for "Concrete Barrier, RE-44F," per meter, shall be full compensation for construction of the barrier rail as detailed hereon. This shall include:

- Furnishing and placement of structural concrete
- Required joints
- Furnishing and installing epoxy coated reinforcing steel bars g1 and f1

- ① Class 'D' structural concrete.
- ② g1 and f1 bars.
- ③ 100 mm dimension to be used in conjunction with Detail Drawing 8208.

All dimensions given in millimeters unless noted.

<b>M</b>	<b>Iowa Department of Transportation</b>	
	<b>Project Development Division</b>	
	<b>STANDARD ROAD PLAN RE-44F(1)</b>	
	REVISION: Adding a bar in the plan view to be consistent with Section A-A	REVISION NO. 2
APPROVED BY: <i>[Signature]</i> DESIGN METHOD ENGINEER	05-24-99	REVISION DATE 09-21-99
CONCRETE BARRIER (REINFORCED HALF SECTION 865 mm HIGH) (PAGE 1 OF 2)		