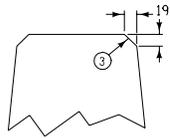
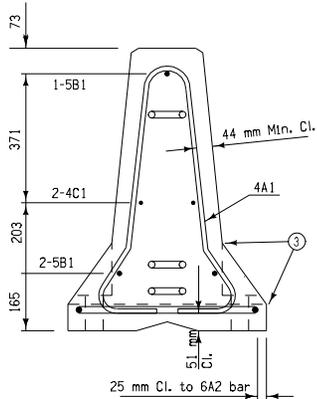


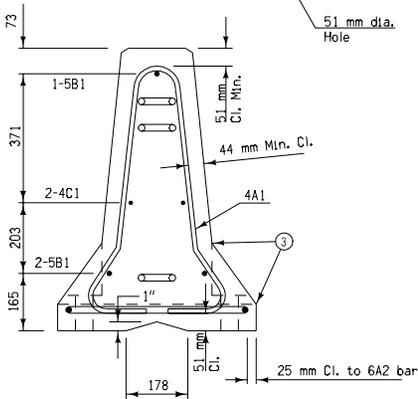
SECTION A-A
Lifting Slot



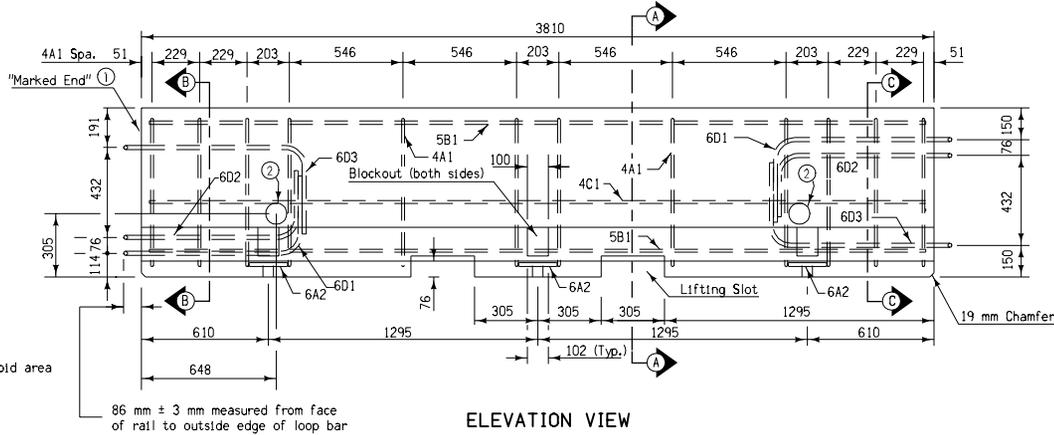
CHAMFER DETAIL



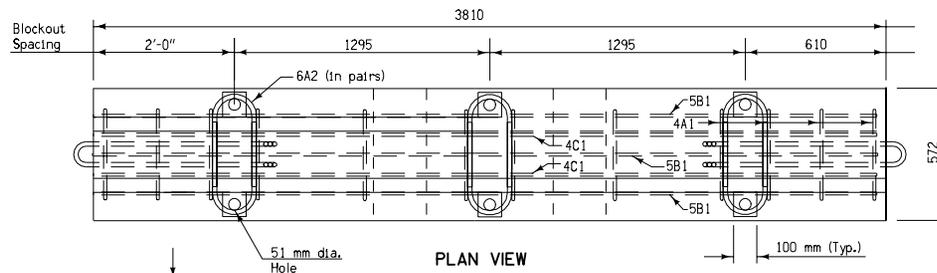
SECTION B-B
Stirrup Placement



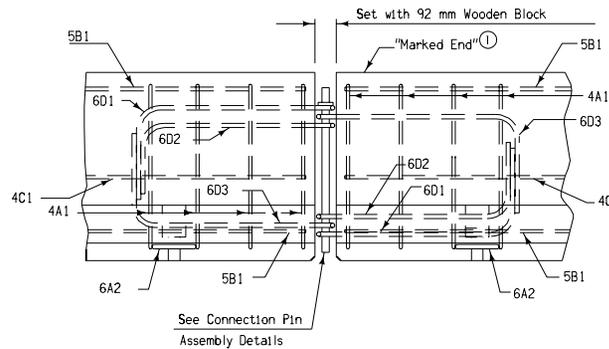
SECTION C-C
Stirrup Placement



ELEVATION VIEW



PLAN VIEW



DETAILS OF BARRIER CONNECTION

All reinforcement is Grade 60, ASTM A615M, except the loop bars 6D1, 6D2 and 6D3. The loop bars shall be 19 mm smooth steel bars with a minimum yield of 420 MPa, a tensile strength of not less than 1.25 times the yield strength but a minimum of 550 MPa, a minimum 14% elongation in 203 mm, and passing a 180 degree bend test using a 89 mm pin bend diameter. The loops shall be installed within 3 mm of the plan dimensions.

The Contractor shall provide for an approved monitoring schedule with a person on call and available 24 hours a day, each day of the week, to realign barrier which has been struck. Initiation of service shall be within one hour of notification of need.

Unless stated otherwise in the plans, the barrier rail sections shall remain the property of the Contractor and at the completion of the work shall be removed from the site by the Contractor.

At no time shall the barriers be lifted, moved, etc. by the use of the loop bars: 6D1, 6D2 or 6D3.

Contract Item:

Temporary Barrier Rail, Concrete

Tabulation: 108-33

① Per Materials I. M. 571, one end of each rail section shall be permanently marked with manufacturing information. The "marked end" shall be that end of the barrier having one loop bar at the top and two loop bars at the bottom. The markings shall include:

- Manufacturer Identification
- Date Manufactured
- RE-71 Type A

② Lifting hole: 100 mm diameter PVC Pipe.

③ 25 millimeter radius allowed.

METRIC VERSION	M	Iowa Department of Transportation Highway Division	
	STANDARD ROAD PLAN RE-71(1)		REVISION NO.
	REVISION: Add sheet 3 for tie-downs and provide clarity, RE-72 added as sheet 4.		6
	APPROVED BY <i>Deanna Muford</i> DESIGN METHODS ENGINEER		REVISION DATE 04-18-06
TEMPORARY BARRIER RAIL (PRECAST CONCRETE)			
(Sheet 1 of 4)			