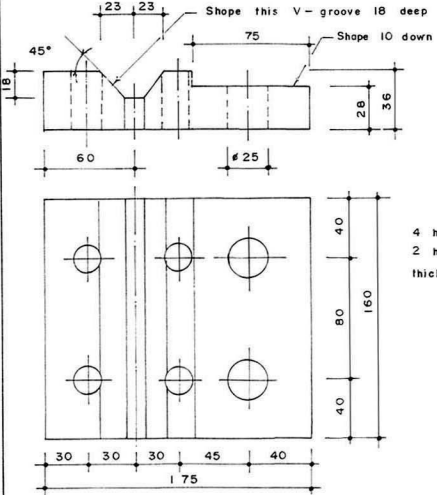
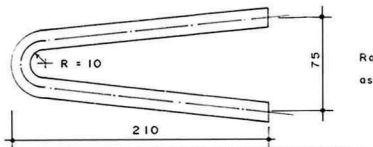
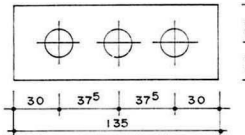
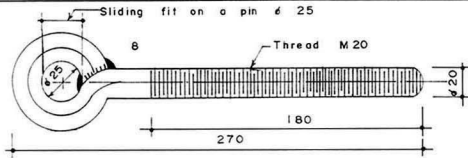
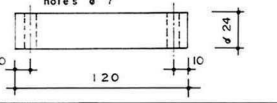
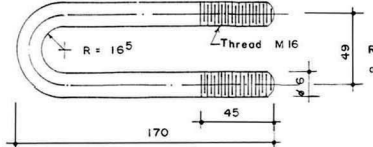
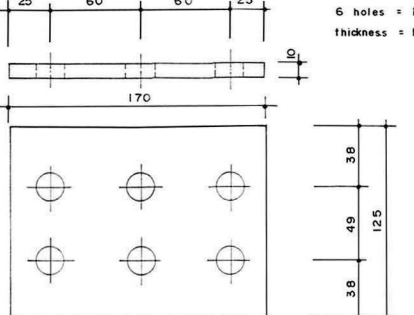
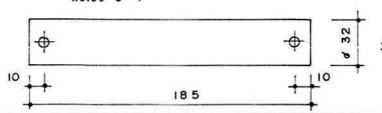
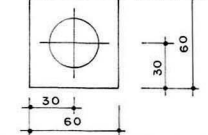
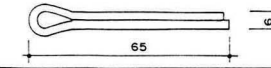
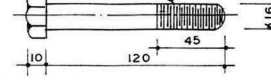


Part no.	Section (mm)	Quantity	Working Drawing (Dimension in mm)	Length Single pc mm	Total m	Weight kg/pc	Total kg	Surface to be Painted m ² /pc	Total m ²	Total weight (finished) Galvanized kg	Remarks
1	Plate 75 / 160 / 40	2		-	-	6.29	12.56	0.07	0.14	12.65	
2	a Rod 16 L = 427	2		427	0.85	0.67	1.34	0.02	0.04	1.36	
	b Plate 135 / 50 / 16	2		-	-	0.72	1.44	0.02	0.04	1.16	Weight of one Welded unit = 1.51 kg, Galvanized unit = 1.53 kg Part nos. 2 (a-c) to be welded together as shown in welding detail.
	c Open Thimble	2	Thimble to ISI standard for cable 13	-	-	0.12	0.24	Galvanized			
3	Rod 20 L = 340	2		340	0.68	0.60	1.20	0.01	0.02	1.21	
4	Rod 24 L = 120	2		120	0.24	0.41	0.82	0.01	0.02	0.83	
5	a Rod 16 L = 352	3		352	1.06	0.54	1.62	0.01	0.03	1.64	
	b Plate 170 / 125 / 10	1		-	-	1.56	1.56	0.047	0.047	1.59	Weight of one welded unit = 3.18 kg Galvanized unit = 3.23 kg Part nos 5(a-b) to be welded together as shown in welding detail.

Part no.	Section (mm)	Quantity	Working Drawing (Dimension in mm)	Length Single/pc mm	Total m	Weight kg/pc	Total kg	Surface to be Painted m ² /pc	Total m ²	Total weight (finished) Galvanized kg	Remarks
6	Plate 170 / 125 / 10	1	This part is to part no 5b	-	-	1.56	1.56	0.47	0.47	1.59	
7	Rod 32 L = 185	1		185	0.19	1.15	1.15	0.02	0.02	1.16	
8	Plate 60 / 60 / 6	2		-	-	0.13	0.26	0.01	0.02	0.27	
9	Split pin 6 L = 65	7		-	-	0.014	0.10	Bright steel			1 pc extra.
10	Hexagonal bolt M16 x 120 IS 1363	4		-	-	0.22	0.88	Galvanized			Ref. IS 1363 - 1967
11	Hexagonal nut M16 IS 1363	21	Hexagonal nut to ISI standard	-	-	0.032	0.67	Galvanized			pc extra Ref. IS 1363 - 1967
12	Hexagonal nut M20 IS 1363	4	Hexagonal nut to ISI standard	-	-	0.061	0.24	Galvanized			Ref. IS 1363 - 1967
13	Open thimble	2	Thimble to ISI standard for cable 13 mm	-	-	0.12	0.24	Galvanized			Ref. IS 2315 - 1978
14	Bulldog grip	12	MS forged bulldog grip to ISI standard for cable 13 mm	-	-	0.28	3.36	Galvanized			Ref. IS 2361 - 1970
TOTAL (1 - 14) = 29.24 kg										0.424 m ²	23.76 kg

Steel parts to be Galvanized :	23.51 kg	Hot Dip Galvanization : IS 2629, IS 2633
Steel Parts to be painted :	0.42 m ²	Weight of Zinc Coat : 0.61 kg / m ²

Serial number	Item	Total weight (kg)
1	Structural steel	23.61
2	Screws, bolts, nuts, washers	1.79
Total 1+2		25.40

	(Pieces)
Thimbles for Cable Ø 13 mm	4
Bulldog grips for cable Ø 13 mm	12

TOTAL TRANSPORTATION WEIGHT : 29.49 kg

NOTES

- All nuts have to be retightened after erection
- All nongalvanized therads have to be painted in site with coaltar after retightening of the nuts
- All steelparts have to be painted with final coat after bridge erection only if not galvanized
- To obtain uniformity, use of templates and jigs is mandatory for holing, bending and welding of assembly
- All parts or bundles and packages with identical parts have to be labelled or marked with the respective part number by the workshop

MoLD / DoLIDAR / Trail Bridge Section
Long Span Trail Bridge Standard

Bridge No: _____ Name: _____

Span: _____

Working & Assembly Drawing :

Diagonal Stabilizer

For 4 Main cables

Units : 1 Unit = Steelparts for one main cable clamp and one spanning cable clamp

Date: August 2004

Drawing No.20A