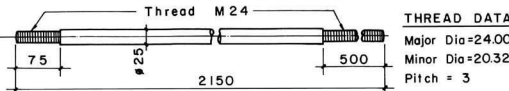

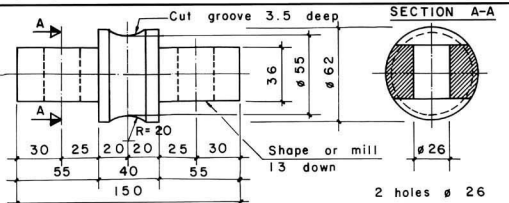
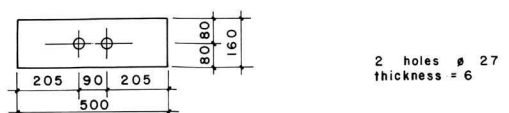



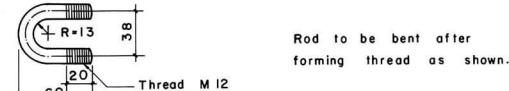
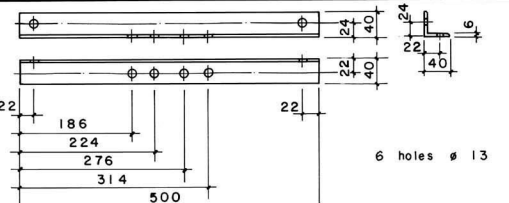
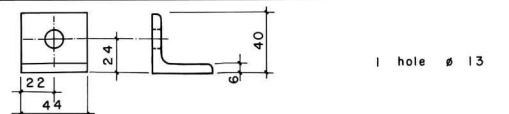
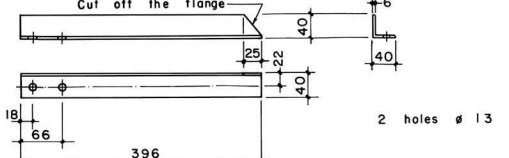
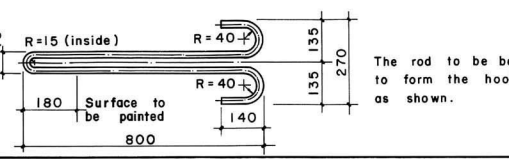


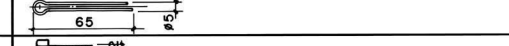

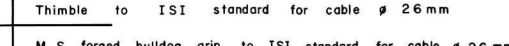


Part no.	Section (mm)	Quantity	Working Drawing (Dimension in mm)	Length Single/pc mm	total m	Weight kg/pc	total kg	Surface to be painted m ² /pc	total m ²	Total weight (finished) Galvanized kg	Remarks
1	a Rod ϕ 25 $l = 2150$	2		2150	4.30	7.80	15.60	—	—	15.81	Difficult part for transportation
	b Flat 50/6 $l = 50$	2		50	0.10	0.09	0.18	—	—	0.10	Weight of one welded unit = 7.89 kg. Galvanized unit = 7.96 kg. Part nos. 1(a-b) to be welded together as shown in welding detail.
2	Rod ϕ 62 $l = 150$	1		150	0.15	2.44	2.44	0.03	0.03	2.46	
3	a Plate 500/160/6	1		—	—	3.74	3.74	—	—	—	
	b Channel ISMC 75-500	2		500	1.00	3.40	6.80	—	—	—	
	c Plate 150/90/6	1		—	—	0.61	0.61	—	—	—	Weight of one welded unit = 11.99 kg.
	d Plate 100/90/6	2		—	—	0.42	0.84	—	—	—	Part nos. 3(a-d) to be welded together as shown in welding detail.
4	Rod ϕ 12 $l = 130$	2		130	0.26	0.11	0.22	—	—	—	Rod to be bent after forming thread as shown.
5	a Angle 40/40/6 $l = 500$	1		500	0.50	1.71	1.71	—	—	—	
	b Angle 40/40/6 $l = 44$	2		44	0.09	0.15	0.30	—	—	—	Weight of one welded unit = 2.01 kg. Part nos. 5(a-b) to be welded together as shown in welding detail.
6	Angle 40/40/6 $l = 396$	2		396	0.79	1.33	2.66	—	—	—	
7	Rod ϕ 20 $l = 1963$	1		1963	1.96	4.91	4.91	0.02 (partly painted)	0.02	4.92	Used as erection hook (for tirtor machine)
8	Hexagonal nut M24 IS 1363	11		—	—	0.10	1.10	Galvanized	—	—	1 pc. extra. Ref: IS 1363-1967

Steel parts to be Galvanized :	24.96 kg	Hot Dip Galvanization : IS 2629, IS 2633
Steel parts to be Painted :	0.05 m ²	Weight of Zinc Coat : 0.61 kg / m ²

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
9	Pin ϕ 50 $l = 120$	1		120	0.12	1.83	1.83	Apply grease only	—	1.84	This pin is fitted to the tower saddle.
10	Split pin ϕ 5 $l = 65$	2		—	—	0.010	0.02	Bright steel	—	—	
11	Hexagonal screw M12 x 40 IS 1363	5		—	—	0.05	0.25	Galvanized	—	—	1 pc. extra. Ref: IS 1363-1967
12	Hexagonal nut M12 IS 1363	9		—	—	0.018	0.16	Galvanized	—	—	1 pc. extra. Ref: IS 1363-1967
13	Open thimble	2	Thimble to ISI standard for cable ϕ 26 mm	—	—	0.75	1.50	Galvanized	—	—	Ref: IS 2315-1978
14	Buildup grip	10	M.S. forged buildup grip to ISI standard for cable ϕ 26 mm	—	—	1.10	11.00	Galvanized	—	—	Ref: IS 2361-1970
TOTAL (1-14) = 55.87 kg 0.05 m² 25.13kg											

NOTES :

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

Serial number	Item	Total weight (kg)
1	Structural steel	41.86
2	Screws, bolts, nuts, washers	1.51
Total 1+2		43.37
		(Pieces)
Thimbles for Cable ϕ 26 mm		2
Buildup grips for cable ϕ 26 mm		10

TOTAL TRANSPORTATION WEIGHT : 56.12 kg

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

Bridge No:	Name:
Span:	
Working & Assembly Drawing :	
Side Stay Cable Anchorage	
Capacity : 130 kN (Wind load)	
1 Cable ϕ 26mm	
Units :	1 Unit \equiv Steelparts for one block
Date: August 2004	Drawing No. 40