

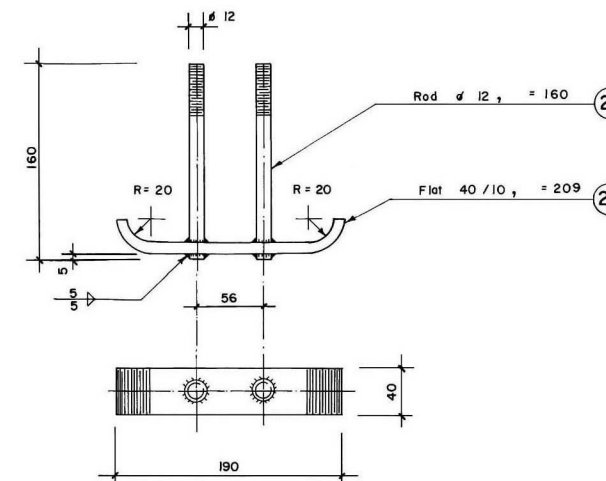
Part no.	Section (mm)	Quantity	Working Drawing (Dimension in mm)	Length		Weight		Surface to be painted		Total weight finished Galvanized Kg	Remarks																																
				Single pc mm	total m	kg/pc	total kg	m ² /pc	total m ²																																		
1	a Angle 50/50/6 ℓ = 1460	2		1460	2.92	6.51	13.02	0.292	0.584	13.376																																	
	b Flat 65/6 ℓ = 190	2		190	0.38	0.589	1.178	0.025	0.05	1.208																																	
	c Flat 45/6 ℓ = 60	2		60	0.12	0.127	0.254	0.005	0.010	0.260																																	
	d Flat 100/6 ℓ = 100	2		100	0.20	0.47	0.94	0.02	0.04	0.964																																	
	e Flat 65/6 ℓ = 110	2		110	0.22	0.29	0.58	0.012	0.024	0.595																																	
	f Rod 10 ℓ = 1327	2		1327	2.654	0.795	1.59	0.04	0.08	1.639	Parts nos. 1(a-h) to be welded together as shown in welding detail.																																
	g	Flat 40/10 ℓ = 186	2	<table><tr><td>Cable #</td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>R</td><td>L</td></tr><tr><td>26</td><td>45</td><td>60</td><td>115</td><td>26</td><td>46</td><td>13</td><td>186</td></tr><tr><td>32</td><td>51</td><td>66</td><td>121</td><td>32</td><td>52</td><td>16</td><td>201</td></tr><tr><td>36</td><td>55</td><td>70</td><td>125</td><td>36</td><td>56</td><td>18</td><td>211</td></tr></table>	Cable #	A	B	C	D	E	R	L	26	45	60	115	26	46	13	186	32	51	66	121	32	52	16	201	36	55	70	125	36	56	18	211	186	0.372	0.536	1.072	0.019	0.038	1.095
Cable #		A	B		C	D	E	R	L																																		
26		45	60		115	26	46	13	186																																		
32	51	66	121	32	52	16	201																																				
36	55	70	125	36	56	18	211																																				
Flat 40/10 ℓ = 201	2	201	0.402	0.579	1.158	0.020	0.040	1.182	For handrail cable 32																																		
Flat 40/10 ℓ = 211	2	211	0.422	0.608	1.216	0.022	0.044	1.242	For handrail cable 36																																		
h	Hexagonal nut M 12 IS 1365	8		-	-	0.018	0.144	Galvanized																																			
2	a Rod 12 ℓ = 160	4		160	0.64	0.142	0.568	0.006	0.024	0.583																																	
	b Flat 40/10 ℓ = 209	2		209	0.418	0.635	1.27	0.021	0.042	1.296	Part nos. 2(a-b) to be welded together as shown in welding detail.																																
3	Flat 40/6 ℓ = 96	2		96	0.192	0.17	0.34	0.009	0.018	0.351																																	
4	Hexagonal bolt M 12 x 70 IS 1363	2.10		-	-	0.073	0.153	Galvanized		-	5% extra pieces. Ref.: IS 1363-1967																																
5	Hexagonal nut M 12 IS 1365	12.6		-	-	0.018	0.227	Galvanized		-	5% extra pieces Ref.: IS 1363-1967																																
6	Chain link, Wire-mesh netting width 130cm, mesh size = 60x60 G.I. Wire 10 SWG (13.15)			-	-	-	-	Galvanized			Total weight cost est. pos. no. 016 Length per metre span = 2.05 m Weight per metre span = 6.929 kg.																																
7	Binding Wire G.I. Wire 10 SWG (13.15)			-	-	-	-	Galvanized			Weight per metre span = 0.320 kg																																
TOTAL (1-7) =						For handrail cable 26 mm	21.336 kg.	0.910 m ²	21.367 kg																																		
						For handrail cable 32 mm	21.422 kg.	0.912 m ²	21.454 kg																																		
						For handrail cable 36 mm	21.480 kg.	0.916 m ²	21.514 kg																																		

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 haling, 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.
- 6) Assembly details for steel deck see drawing no. 06.

Serial number	Item	Total weight (kg)
1	Structural steel	20.81
	For handrail cable 26 mm	20.89
	For handrail cable 36 mm	20.95
2	Screws, bolts, nuts	0.52
Total 1+2 for H/cable		21.33
		21.41
		21.47

WELDING DETAIL OF PART 2



TOTAL TRANSPORTATION WEIGHT		
For H/Cable	26 mm	21.89 kg
For H/Cable	32 mm	21.97 kg
For H/Cable	36 mm	21.03 kg

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

Bridge No: _____ Name: _____

Span: _____

Working & Assembly Drawing:

Walkway for
6 Main Cables

Handrail cable 26 mm (26/32/36)

Units: 1 Unit = Steel parts for 1.20 m. bridge length

= 0.86 x span

Date: August 2004

Drawing No. 02