

FRONT ELEVATION

SIDE ELEVATION

REQUIREMENT FOR ONE TOWER:

Drawing Title	Drawing no	Number of units required	Weight (kg)		Painting (m <sup>2</sup> )		Weight (finished) Galvanized (kg)	
			per unit	total	per unit	total	per unit	total
Tower Base Element	104	1	331.00	331.00	8.95	8.95	303.86	303.86
Tower Intermediate Element	114	9	754.68	6792.12	23.54	211.86	713.13	6418.17
Tower Top Element	127	1	560.34	560.34	17.32	17.32	501.38	501.38
Tower Saddle	137	1	177.56	177.56	3.26	3.26	173.21	173.21
Sign Board	161	1	1.75	1.75	—	—	—	—
Grand Total			7862.77 kg		241.39 m <sup>2</sup>		7396.62 kg	

Summary of Friction Grip Bolt, Nut and Washer.

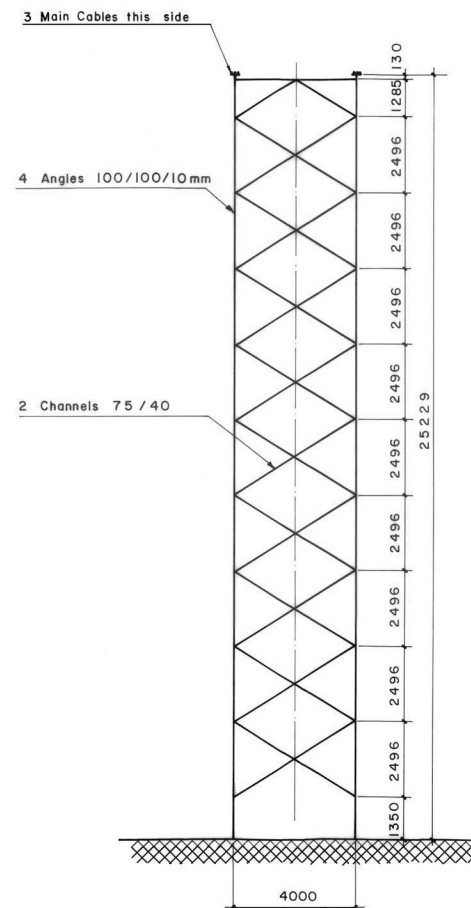
Bolt M16 X 50, including Nut & Washer.	600 pc.
Bolt M20 X 60, including Nut & Washer.	968 pc.
Bolt M24 X 65, including Nut & Washer.	50 pc.
Bolt M20 X 130, including Nut & Washer.	9 pc.
Total weight of Bolt, Nut, Washer.	464.36 kg.
Steel parts to be galvanized	7861.02 kg.

NOTES :

- 1) All nongalvanized threads have to be painted in site with coaltar after retightening of the nuts.
- 2) All steel parts have to be painted with final coat after bridge erection, only if not galvanized.
- 3) All nuts have to be tightened to proper torque: —  
 $\phi$  16mm : 20mkg ;  $\phi$  20mm : 40mkg.

TOTAL TRANSPORTATION WEIGHT : 7862.73 kg

GENERAL ARRANGEMENT



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

Bridge No: Name:

Span:

Steel drawing :

**Assembly of Tower**

Tower height : 25.23 m  
 Standard section : 450 x 750 mm  
 Angle 100/100/8 mm  
 4 (6) Main cables  
 $c/c_1 = 4000$  mm ,  $c/c_2 = 566$  mm

Date: August 2004

Drawing No.153