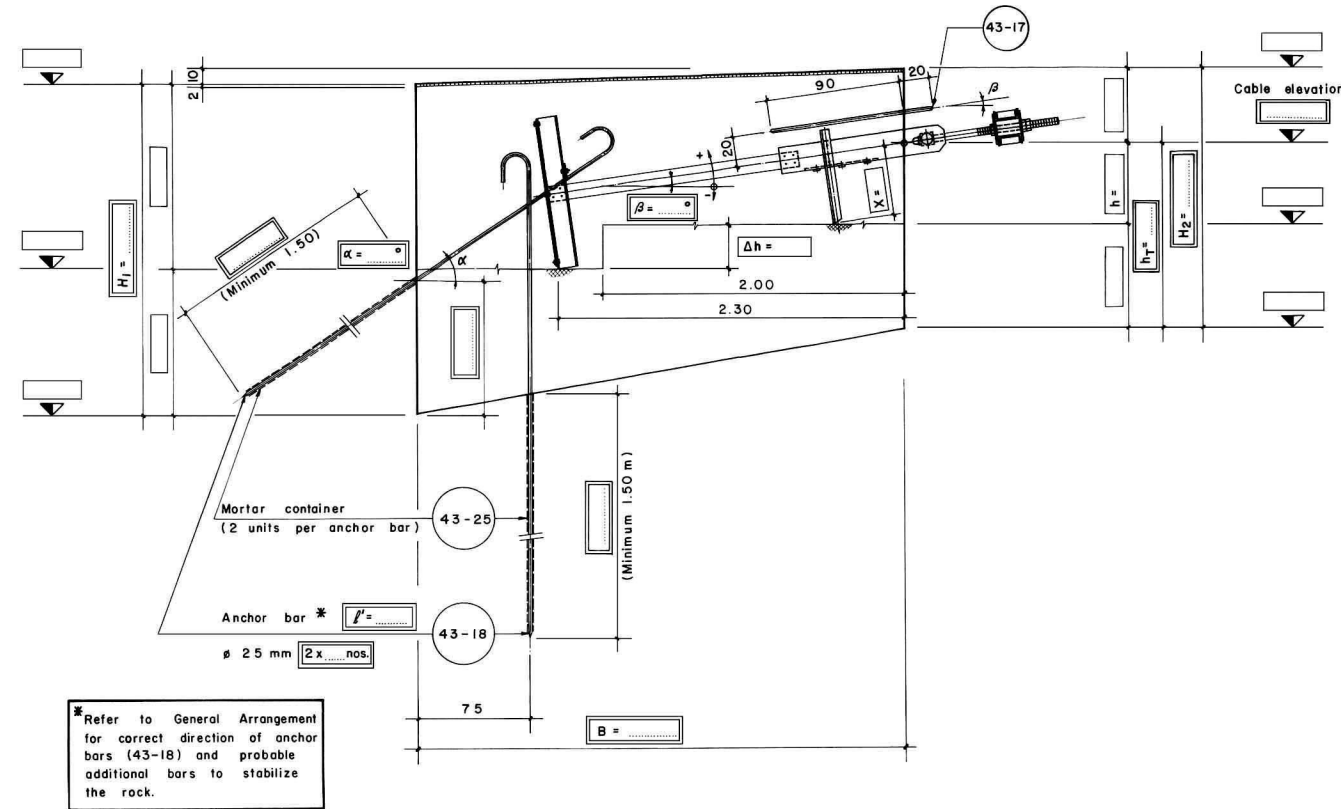
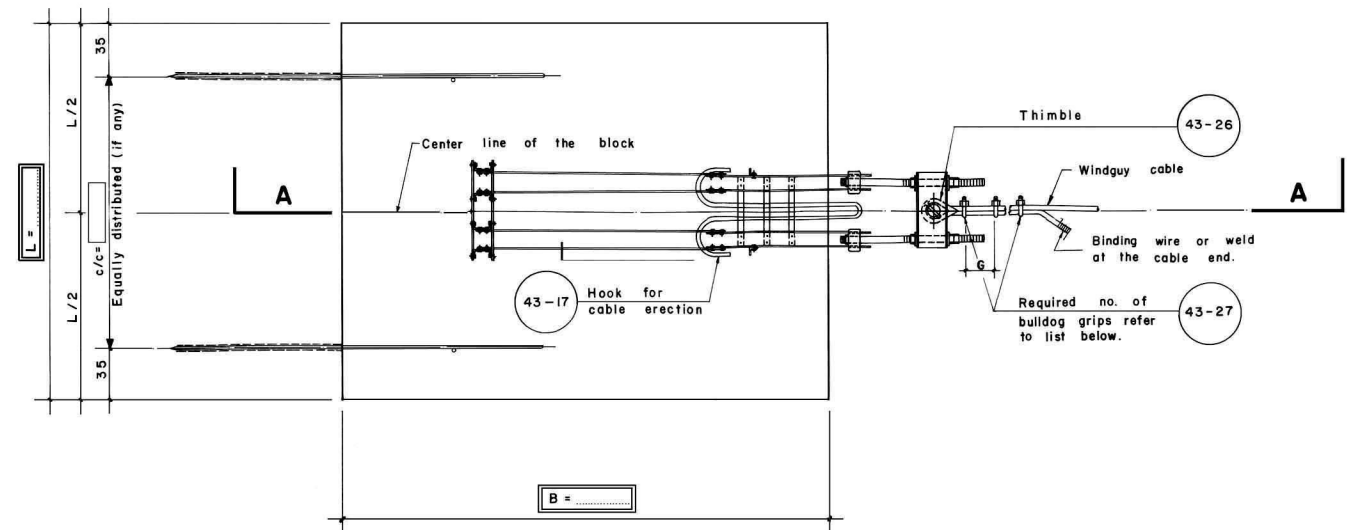


SECTION A - A



PLAN



INDEX :

- Cement plaster 1:4, 2 cm thick
- Plumb concrete 1:3:6 + 40% boulders
- Make proper supports on correct level with cement mortar 1:4
- Data to be taken from General Arrangement
- Part number
- Working drawing number

Cable # mm	Bulldog grips for one cable	Gap "6" mm
36	7	210
40	8	240

Standard Quantities :

B =m.	L =m.	Vo Quantity (m ³)	Cement Bags/m ³	No of bags
H ₁ =m.	H ₂ =m.			
Cement plaster 1:4, 2 cm thick Vo = 0.02 BL			9.12	
Plumb concrete 1:3:6 + 40% boulders Vo = $\frac{LB}{2} (H_1 + H_2 - 0.04)$			2.64	
TOTAL VOLUME :- Vtotal = $\frac{BL}{2} (H_1 + H_2)$				
No. of cement bags				

Formwork	Fo Quantity (m ²)
Fo = $\Delta h (L - 0.90) + H_2 \times L$ (m ²)	

Determination of X, Δh and h

β = (°)	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12
X (cm)	20	20	20	20	25	25	30	30	35	40	45	45	50	50	55	60
Δh (cm)	20	24	27	30	28	31	30	33	31	29	28	31	29	32	31	29
h (cm)	18	18	19	20	26	27	32	33	39	45	51	52	58	59	65	71

For intermediate values of β select the data for the next bigger value.

Limits for Dimensions:

	Minimum	Maximum
B	2.60	3.50
L	1.60	4.00
h _T	-3° ≤ β ≤ 0° 1° ≤ β ≤ 6° 7° ≤ β ≤ 12°	0.70 0.95 1.20
H ₁ , H ₂	-3° ≤ β ≤ 0° 1° ≤ β ≤ 6° 7° ≤ β ≤ 12°	h _T + 0.80 h _T + 0.70 h _T + 0.40

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

Bridge No: Name:

Span:

Structural Drawing:

Windguy Cable Foundation

On Rock

1 Cable #mm (36 / 40 mm)

Date: August 2004

Drawing No.43/2