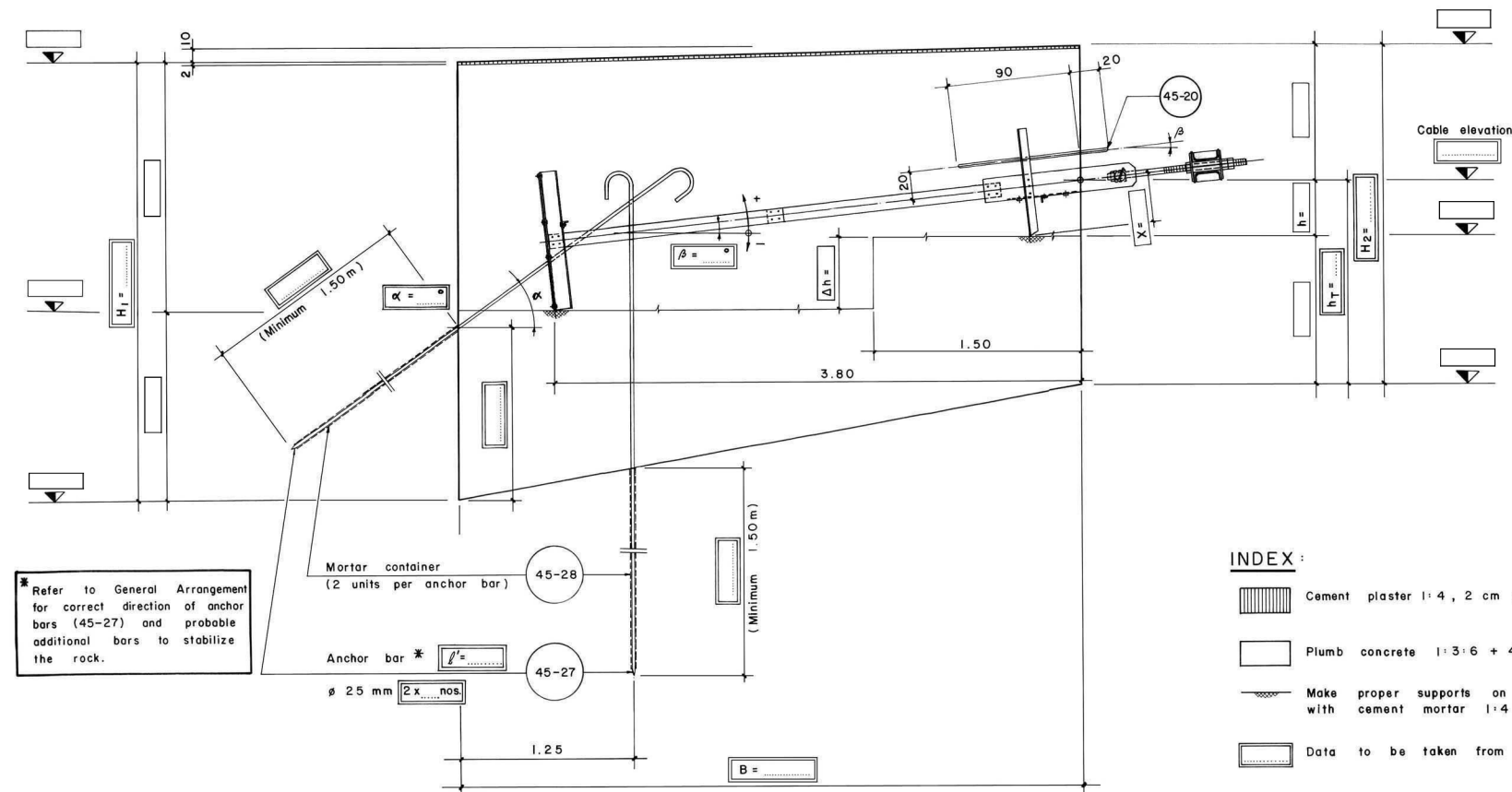
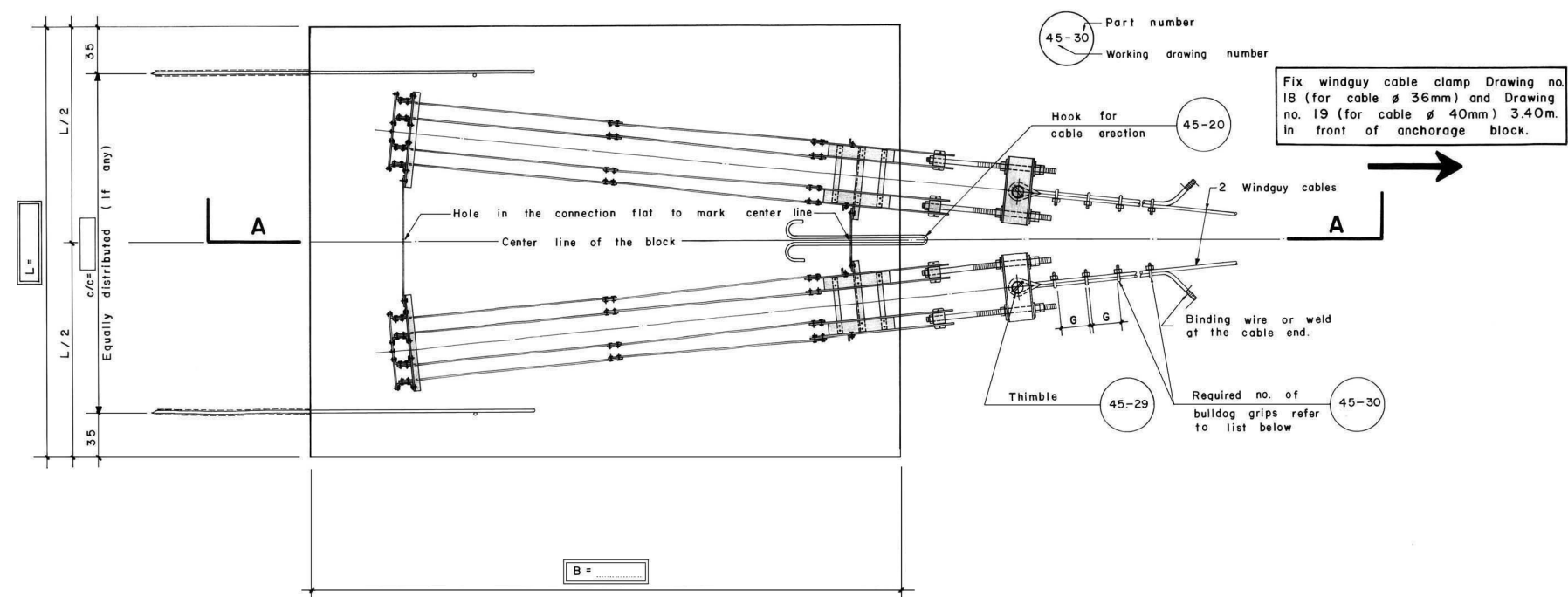


SECTION A-A



PLAN



Cable Ø mm	Bulldog grips for one cable	Gap "G" mm
36	7	210
40	8	240

- 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

Standard Quantities :

H ₁ =m.	H ₂ =m.	V ₀ Quantity (m ³)	Cement Bags / m ³	No. of bags
B =m.	L =m.			
Cement plaster 1:4, 2cm thick V ₀ = 0.02 BL			9.12	
Plumb concrete 1:3:6 + 40% boulders V ₀ = $\frac{BL}{2} (H_1 + H_2 - 0.04)$			2.64	
TOTAL VOLUME :- V _{total} = $\frac{BL}{2} (H_1 + H_2)$				
No. of cement bags				

Formwork	F ₀ Quantity (m ²)
F ₀ = $\Delta h (L - 0.90) + H_2 \times L$ (m ²)	

Limits for Dimensions :

		Minimum	Maximum
B		4.30	5.10
L		3.00	5.30
h _T	-3° ≤ β ≤ 0°	0.70	3.00
	1° ≤ β ≤ 6°	1.10	
	7° ≤ β ≤ 12°	1.50	
H ₁ , H ₂	-3° ≤ β ≤ 0°	h _T + 0.90	Open
	1° ≤ β ≤ 6°	h _T + 0.65	
	7° ≤ β ≤ 12°	h _T + 0.40	

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	20	20	20	25	30	35	40	45	55	60	65	70
Δh (cm)	12	18	24	30	36	42	48	49	50	51	52	53	49	50	51	52
h (cm)	18	19	19	20	21	21	22	28	33	39	45	51	62	68	74	80

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

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

Bridge No: _____ Name: _____

Span: _____

Structural Drawing :
Windguy Cable Foundation
On Rock
2 Cables Ø _____mm (36 / 40 mm)
Units : _____

Date: August 2004 Drawing No. 45/2