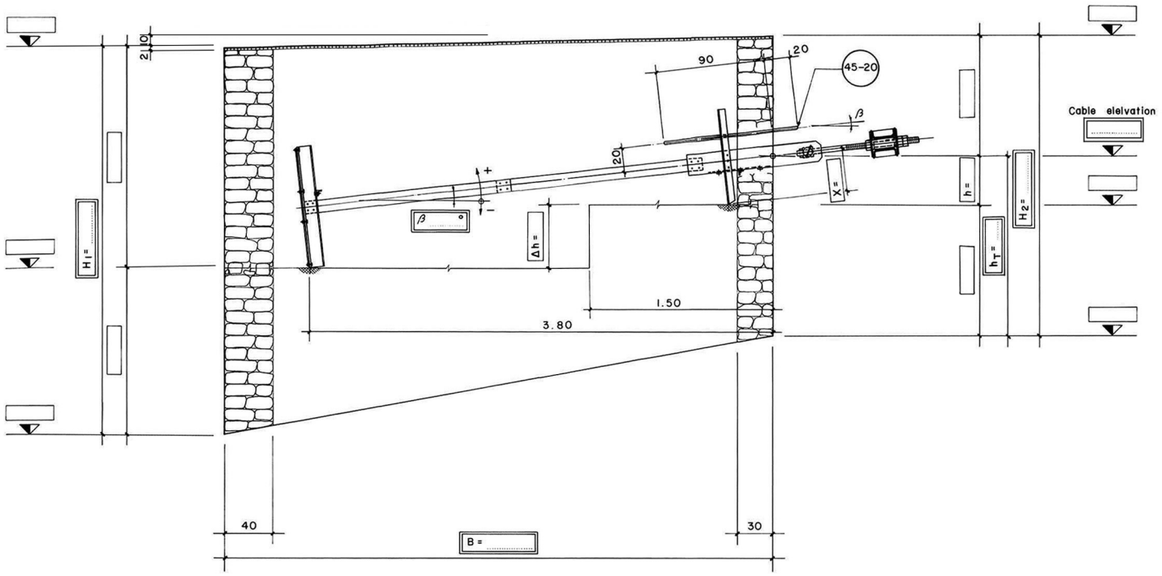
Standard Anchorage Length

SECTION A-A



Standard Quantities :

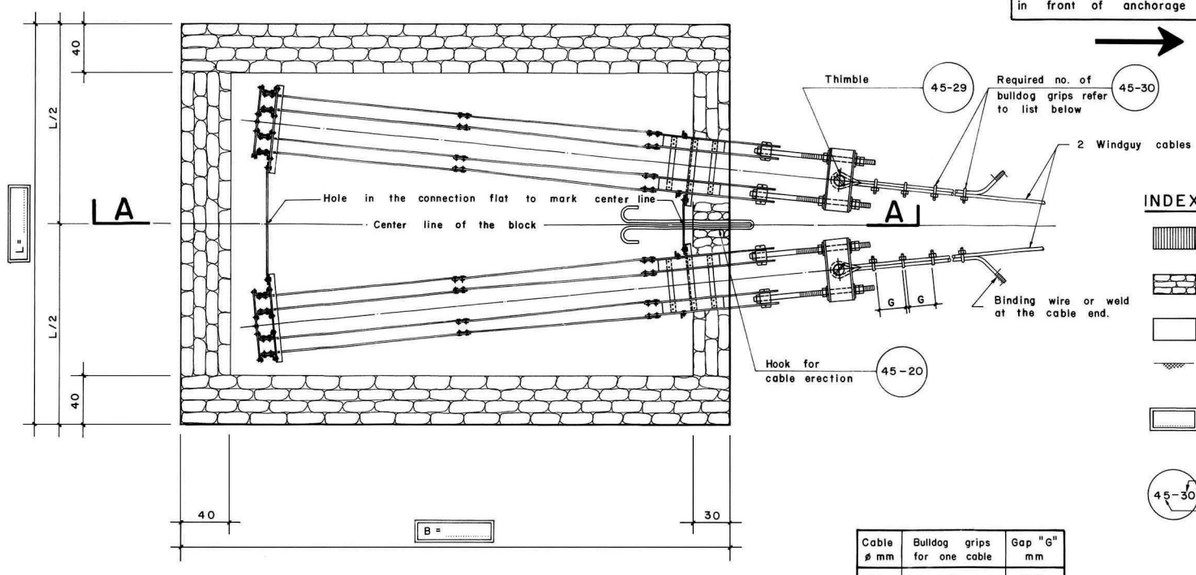
B = ...m. L = ...m.
H_1 = ...m. H_2 = ...m.

	Vo Quantity (m^3)	Cement Bags/m^3	Cement No. of bags
Cement plaster 1:4, 2cm thick Vo = 0.02 BL	.....	9.12	.....
Rubble masonry 1:4 Vo = 0.4B ($H_1 + H_2 - 0.04$) + (L − 0.80)(0.4H_1 + 0.3 H_2 − 0.014)	.....	2.28	.....
Plumb concrete 1:3:6 + 40% boulders Vo = (L − 0.80) $[\frac{B}{2}(H_1 + H_2 - 0.04) - 0.4H_1 - 0.3H_2 + 0.014]$	.....	2.64	.....
TOTAL VOLUME :— $V_{total} = \frac{BL}{2}(H_1 + H_2)$	.....		
No. of cement bags	.....		

Limits for Dimensions:

		Standard Length Minimum	Standard Length Maximum	Extended Length Minimum	Extended Length Maximum
B		4.50	5.10	5.20	5.90
L		3.30	5.30	3.30	5.30
h_T	−3°≤β≤ 0°	0.70	3.00	0.70	3.80
	1°≤β≤ 6°	1.10		1.20	
	7°≤β≤ 12°	1.50		1.70	
H_1, H_2	−3°≤β≤ 0°	h_T + 0.90	Open	h_T + 0.95	Open
	1°≤β≤ 6°	h_T + 0.65		h_T + 0.65	
	7°≤β≤ 12°	h_T + 0.40		h_T + 0.40	

PLAN



Fix windguy cable clamp Drawing no. 18. (for cable ø 36mm) and Drawing no. 19 (for cable ø 40mm) 3.40 m in front of anchorage block.

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
- Rubble masonry 1:4
- 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
- 45-30 — Part number / Working drawing number

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 Soil

2 Cables ø ..... mm (36/40mm)

Standard length: ☐
Extended length: ☐

Date: August 2004 **Drawing No. 45/1**

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