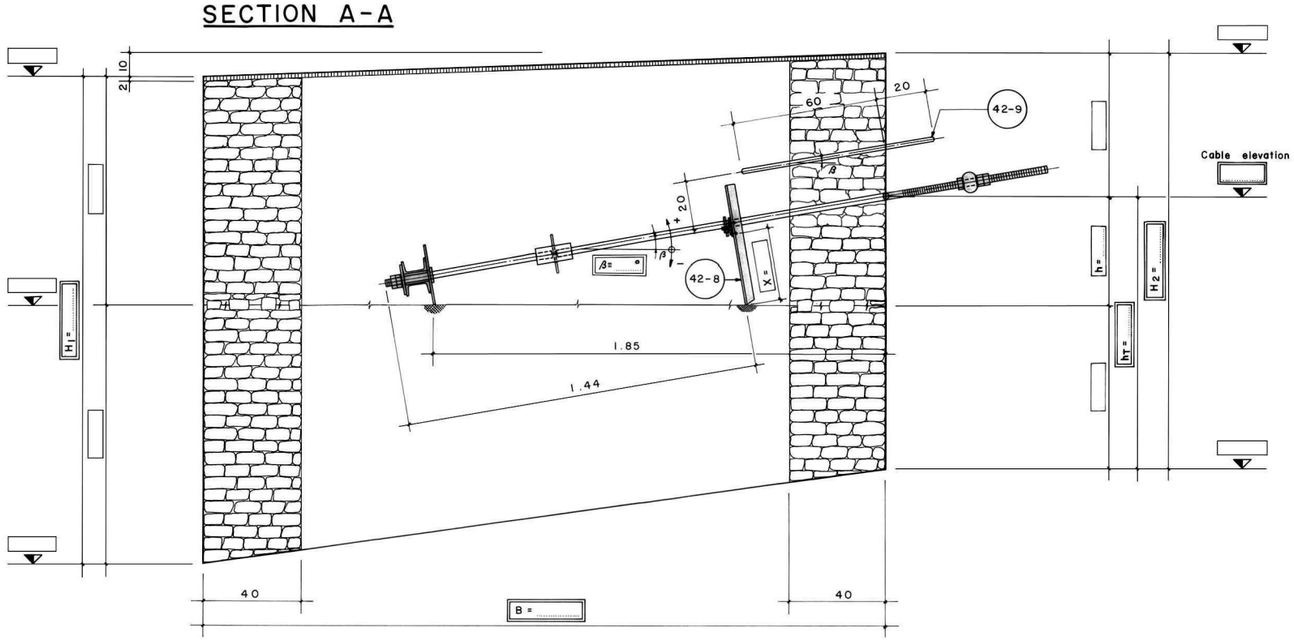
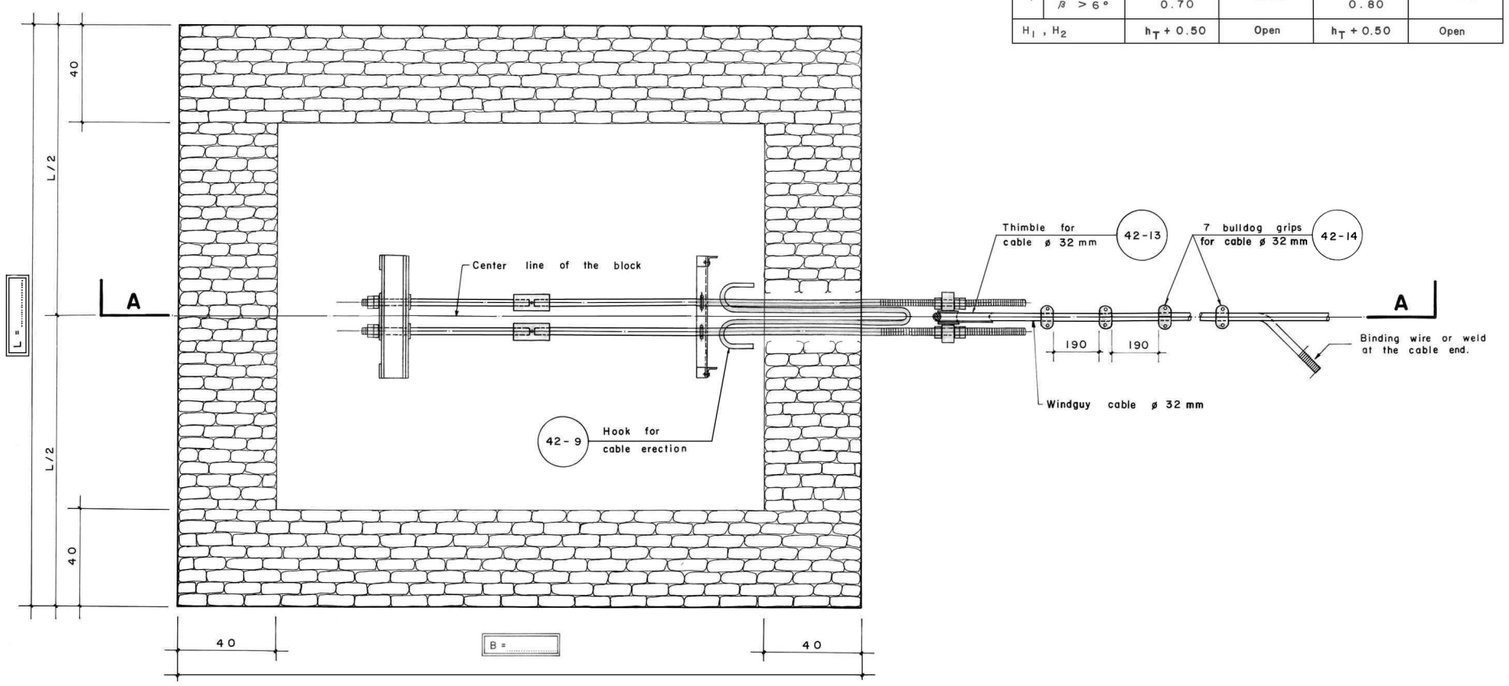
Standard Anchorage Length

SECTION A-A



PLAN



Limits for Dimensions :

		Standard length Minimum	Standard length Maximum	Extended Length Minimum	Extended Length Maximum
B		2.50	3.10	3.20	3.90
L		1.50	3.50	1.50	3.50
h_T	$\beta \leq 6°$	0.50	2.20	0.60	2.80
	$\beta > 6°$	0.70		0.80	
H_1 , H_2		h_T + 0.50	Open	h_T + 0.50	Open

Standard Quantities :

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

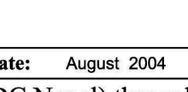
	Vo Quantity (m3)	Cement Bags/ m3	Cement No. of bags
Cement plaster 1:4 , 2cm thick Vo = 0.02 BL	.....	9.12	.....
Rubble masonry 1:4 Vo = 0.4B ($H_1 + H_2 - 0.04$) + (0.4 H_1 + 0.4 H_2 − 0.016)(L − 0.80)	.....	2.28	.....
Plumb concrete 1:3:6 +40 % boulders Vo = $\frac{1}{2}$ (L − 0.80)(B − 0.80)($H_1 + H_2$ − 0.04)	.....	2.64	.....
TOTAL VOLUME :− Vtotal = $\frac{BL}{2}$ ($H_1 + H_2$)	.....		
No. of cement bags			.....

Determination of X and h:

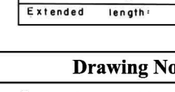
β (°)	−4	−3	−2	0	2	4	6	8	10	12
X (mm)	−10[1]	18[2]	36	80	124	168	212	256	300	344
h (cm)	− 1	3	6	12	18	25	31	38	45	51

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

1) Reject part ⑧ and fix part ⑥ on top of rods (part ②)



2) Reject part ⑧



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
- 42-14 Part number

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

Bridge No: Name:

Span:

Structural Drawing :

Windguy Cable Foundation

On Soil
I Cable ø 32mm

Standard length: ☐
Extended length: ☐

Date: August 2004 **Drawing No.** 42/1

Produced by HMG/N, Ministry of Local Development, Department of Local Infrastructure Development and Agricultural Roads with the support of the Swiss Government (SDC Nepal) through helvetas Nepal