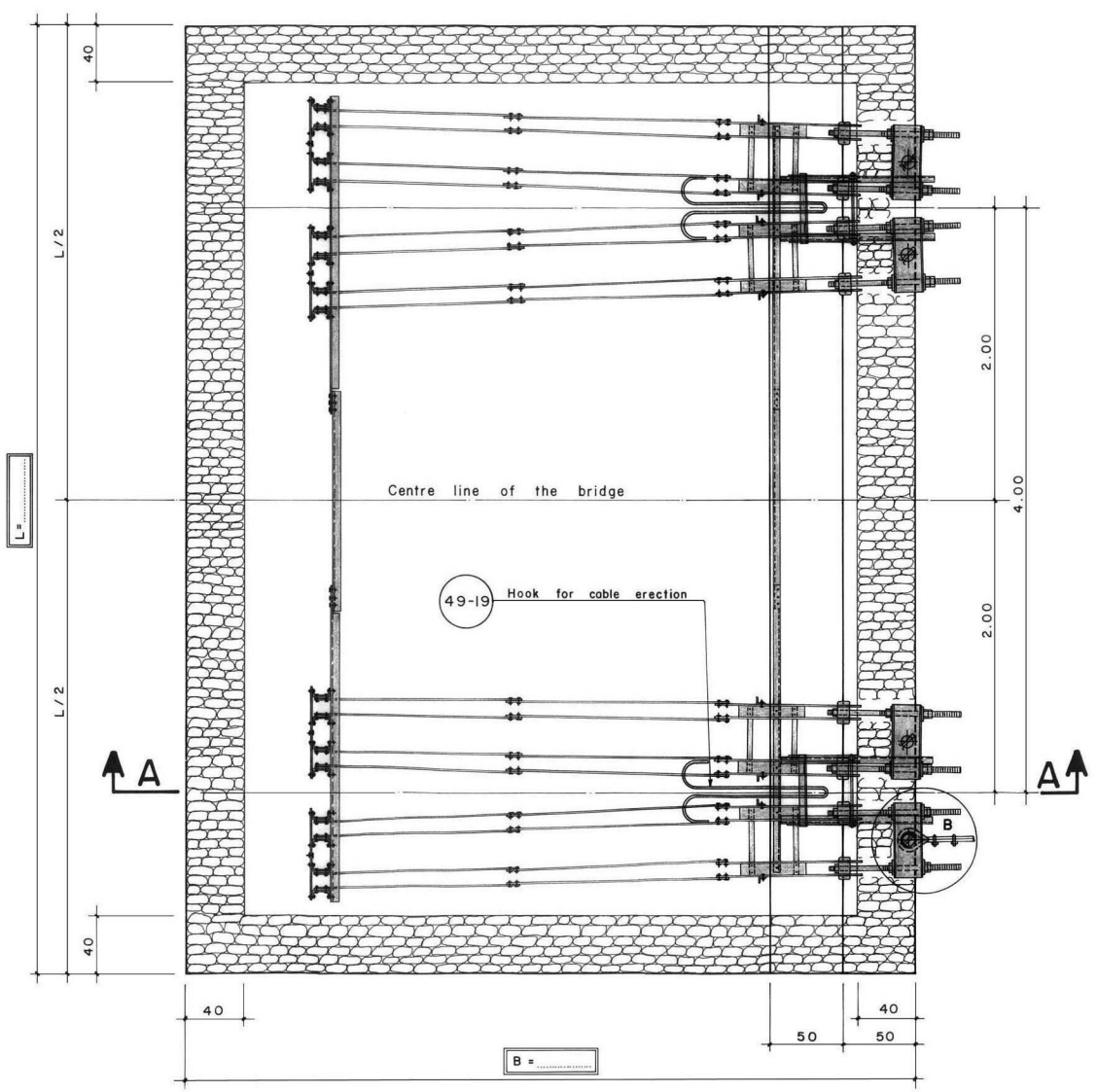
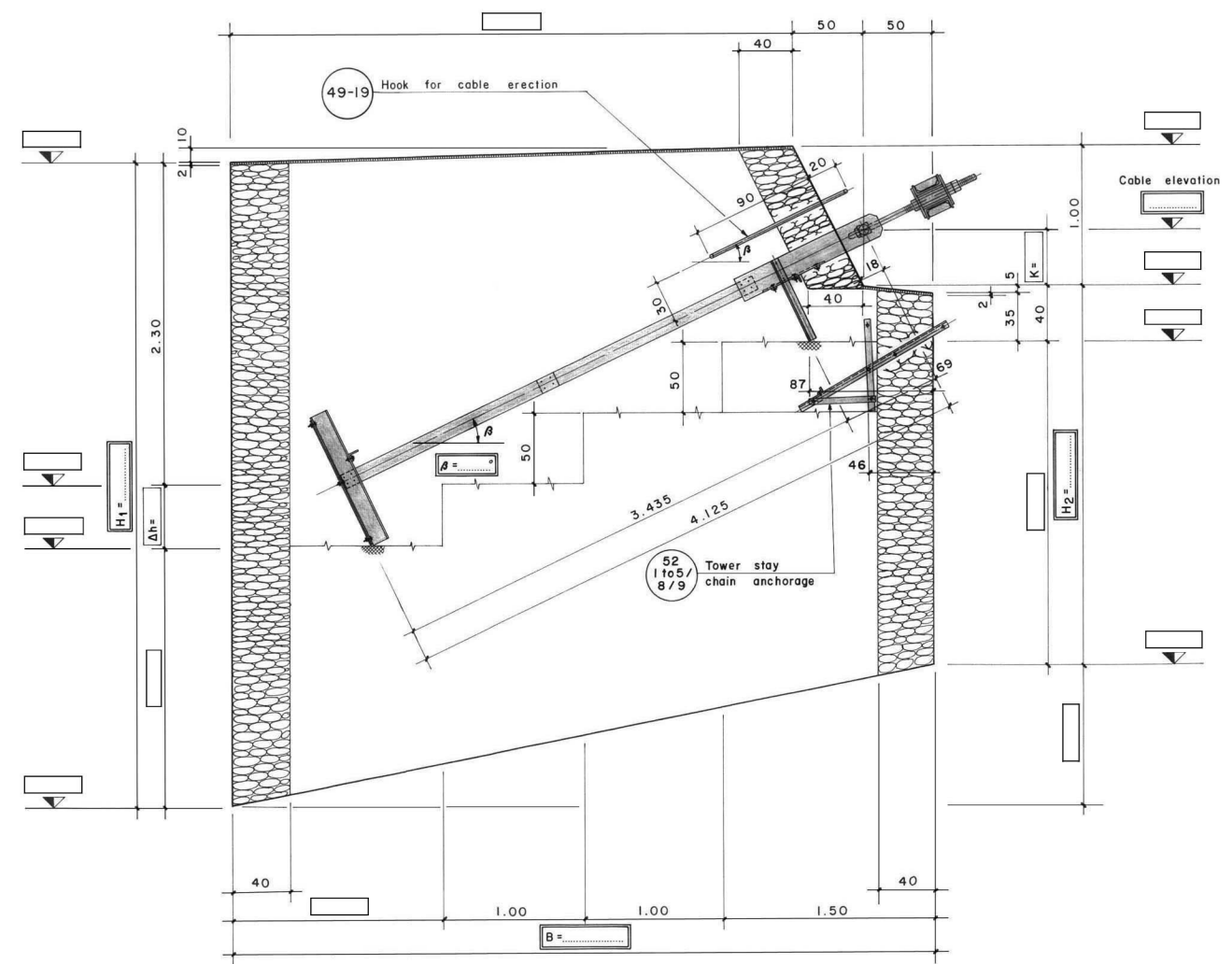


PLAN



SECTION A-A



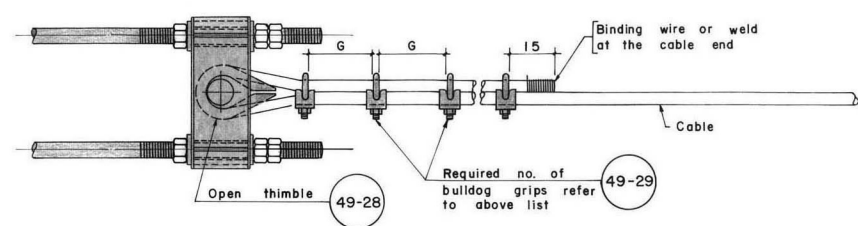
Cable mm	Bulldog grips for one cable	Gap "G" mm
32	6	190
36	7	210
40	8	240

$K = 40 \text{ cm} + 0.65 \text{ cm} (\beta - 26.565^\circ) = \text{cm}$
 $\Delta h = 49 \text{ cm} + 5.40 \text{ cm} (\beta - 26.565^\circ) = \text{cm}$
 $20^\circ \leq \beta \leq 30^\circ$

Standard Quantities :

B =	L =	V _o Quantity (m ³)	Cement Bags/m ³	No. of bags
H ₁ =	H ₂ =			
Cement plaster 1:4, 2 cm thick V _o = 0.02 L (B - 0.50)			9.12	
Rubble masonry 1:4 V _o = (L - 0.80) (0.4 H ₁ + 0.4 H ₂ + 0.372) + (H ₁ + H ₂ + 0.96) 0.4 B - 0.562			2.28	
Plumb concrete 1:3:6 + 40 % boulders V _o = (L - 0.80) [(H ₁ + H ₂ + 0.96) $\frac{B}{2}$ - 0.4 H ₁ - 0.4 H ₂ - 1.0745]			2.64	
TOTAL VOLUME :- V _{total} = L [(H ₁ + H ₂ + 1.00) $\frac{B}{2}$ - 0.7125]				
		No of cement bags		

DETAIL AT "B"



Formwork	F _o Quantity (m ²)
F _o = (1.00 + Δh) (L - 0.80)	

Limits for Dimensions:

	Minimum	Maximum
B	4.90	5.50
L	6.40	8.40
H ₁	3.30	5.50
H ₂	1.50	4.50

INDEX

- Cement plaster 1:4, 2 cm thick
- Rubble masonry 1:4
- Plumb concrete 1:3:6 + 40 % boulders
- Data to be taken from General Arrangement
- Make proper supports on correct level with cement mortar 1:4
- Part number 49-19
- Working drawing number

NOTES:

- Refer to General Arrangement for number and direction of probable anchorage rods (part 49-21,27) to stabilize the rock.
- For temporary tower stay refer to drawing number 52 for back stay and to drawing number 52 and 52/1 or 52/2 for front stay.

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

Bridge No: Name:

Span:

Structural drawing:

Main Cable Foundation

4 Main cables ϕ (32 / 36 / 40mm)
Centre to centre distance c/c₁ = 4.00m

Date: August 2004 Drawing No.49/1