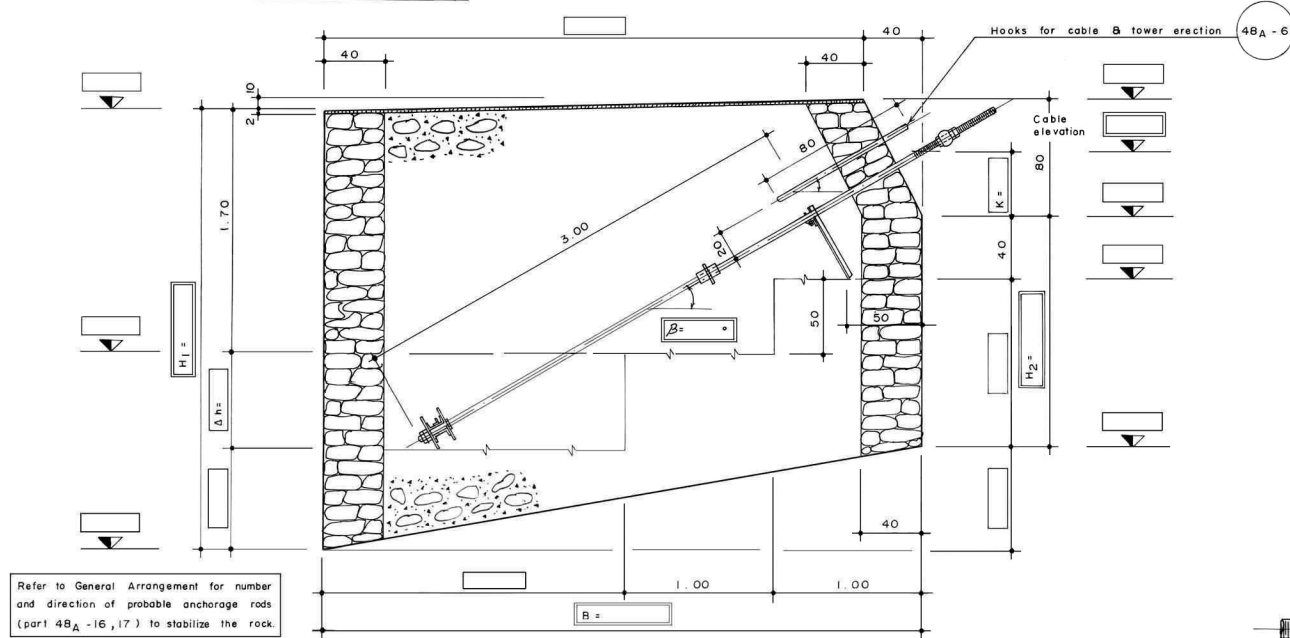
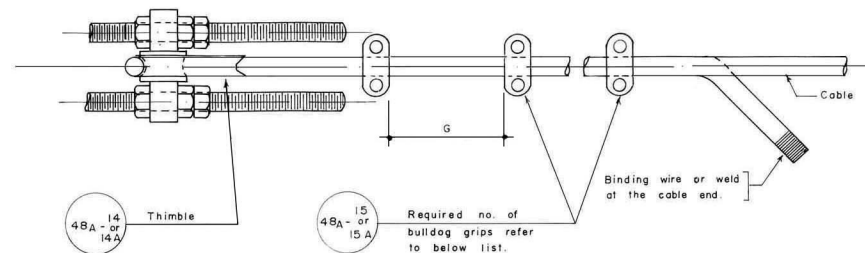


SECTION A-A



$$K = (88 - \Delta h) \text{ cm} + 6.43 \text{ cm} (\beta - 26.565^\circ) = \text{cm}$$
$$\Delta h = 48 \text{ cm} + 4.86 \text{ cm} (\beta - 26.565^\circ) = \text{cm}$$
$$20^\circ \leq \beta \leq 30^\circ$$

DETAIL AT "B"



Cable ø mm	Bulldog grips for one cable	Gap "G" mm
26	5	150
32	6	190

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
- Part number
- Working drawing number

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 L (B - 0.40)					9.12	
Rubble masonry 1:4 Vo = 0.4 B (H ₁ + H ₂ + 0.76) - 0.1056 + (0.4 H ₁ + 0.4 H ₂ + 0.304) (L - 0.80)					2.28	
Plumb concrete 1:3:6 + 40 % boulders Vo = [$\frac{B}{2} (H_1 + H_2 + 0.76) - 0.4 H_1 - 0.4 H_2 - 0.436] \times (L - 0.80)$					2.64	
TOTAL VOLUME V _{total} = L [H ₁ + H ₂ + 0.80] $\frac{B}{2} - 0.14$						
					No. of cement bags	

Formwork	Fo Quantity (m ²)
Fo = (0.50 + Δh) (L - 0.80)	

Limits for Dimensions :

	Minimum	Maximum
B	3.80	4.40
L	5.90	7.90
H ₁	2.50	4.50
H ₂	1.20	3.80

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

Bridge No: Name:

Span:

Structural drawing

Main Cable Foundation

4 Main cables ø mm (26 / 32 mm)

Centre to centre distance c/c₁ = 3.50 m.

Date: August 2004

Drawing No. 48A/1