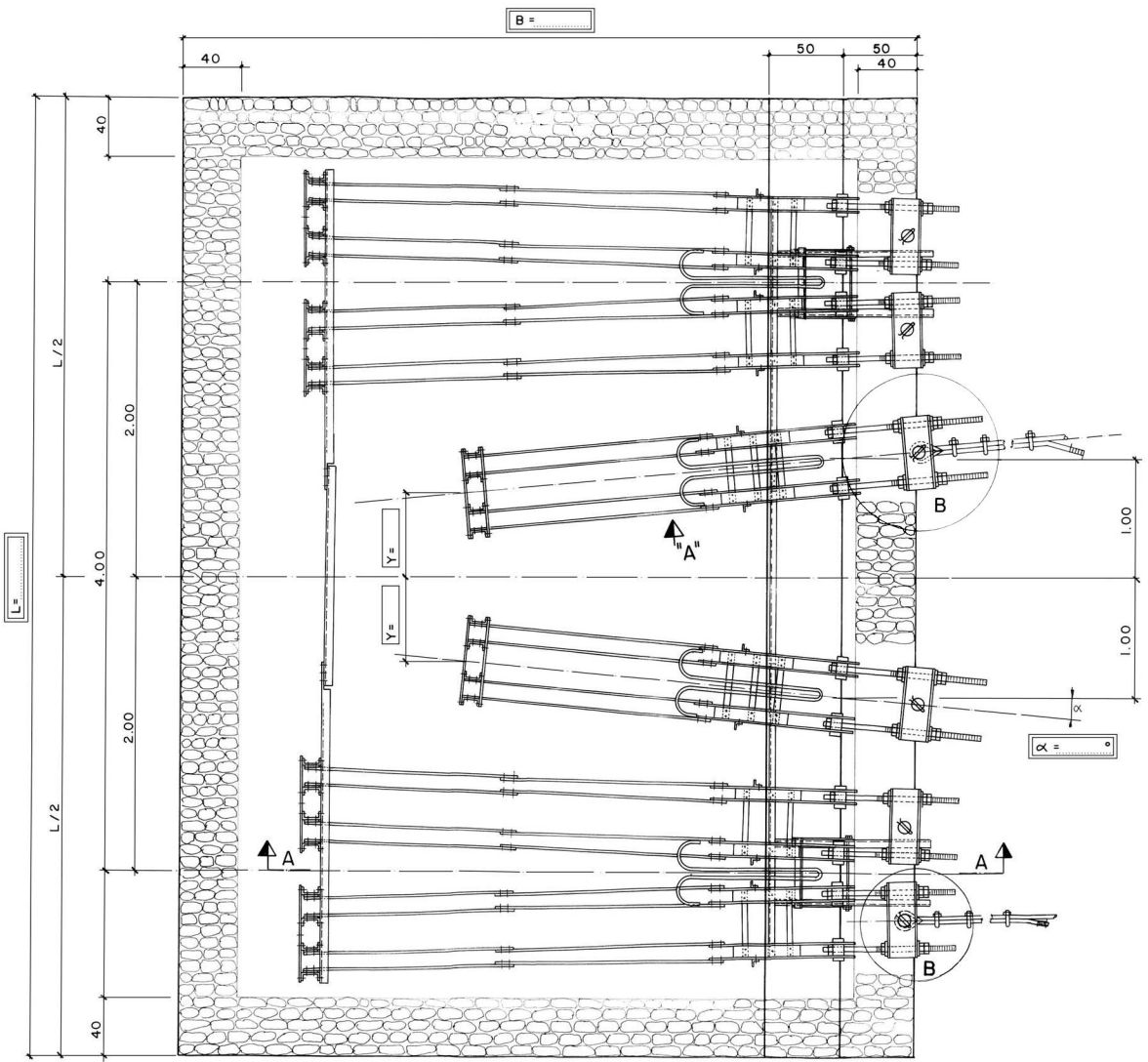
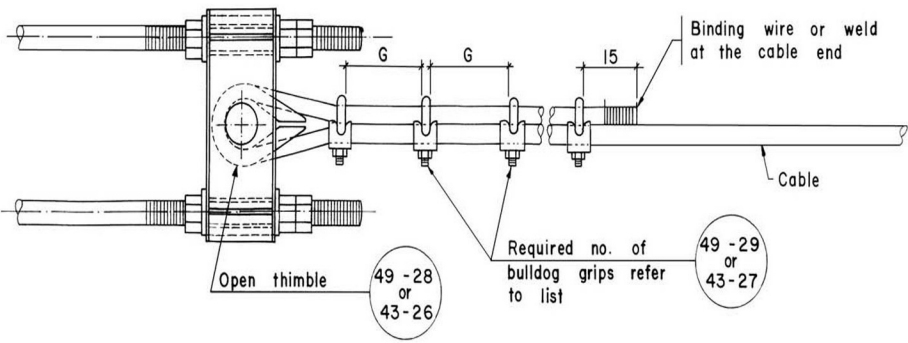


PLAN



DETAIL AT "B"



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

NOTES :

- 1) Refer to General Arrangement for number and direction of probable anchorage rods (part 49-21,27) to stabilize the rock.
- 2) 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.

Standard Quantities:

B = m H ₁ = m L = m H ₂ = m	Vo Quantity (m ³)	Cement	
		Bags/m ³	No. of bags
Cement plaster 1:4, 2 cm thick Vo = 0.02 L (B - 0.50)	9.12
Rubble masonry 1:4 Vo = (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 Vo = (L - 0.80) [(H ₁ + H ₂ + 0.96) $\frac{B}{2}$ - 0.4 H ₁ - 0.4 H ₂ - 1.745]	2.64
TOTAL VOLUME :- Vtotal = L [(H ₁ + H ₂ + 1.00) $\frac{B}{2}$ - 0.7125]		
		No. of cement bags	

Formwork	Fo Quantity (m ²)
Fo = (1.00 + Δh ₁ + Δh ₂) (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

Determination of X, Δh₂, h and Y

β ₂ (°)	-3	-2	-1	0	1	2	3	4	5	6	7	8	9	10	11	12
X (cm)	20	20	20	20	25	25	30	30	35	40	45	45	50	50	55	60
Δh ₂ (cm)	20	24	27	30	28	31	30	33	31	29	28	31	29	33	31	30
h (cm)	16	17	18	20	26	28	33	35	41	47	53	54	61	61	68	73
For intermediate values of β ₂ select the data for the next bigger value																
Y = 1.00 - 2.55 cos β ₂ sin α																

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

Bridge No: Name:

Span:

Structural Drawing :

Combined Main Cable and
Windguy Cable Foundation

Related drawings : 41 & 49

4 Main Cables

2 Windguy cables

Cable Centre to Centre Distance :

4.00m for Main Cables

2.00m for Windguy Cables

ø =mm (32,36,40)

ø =mm (36,40)

Date: August 2004

Drawing No.49/3