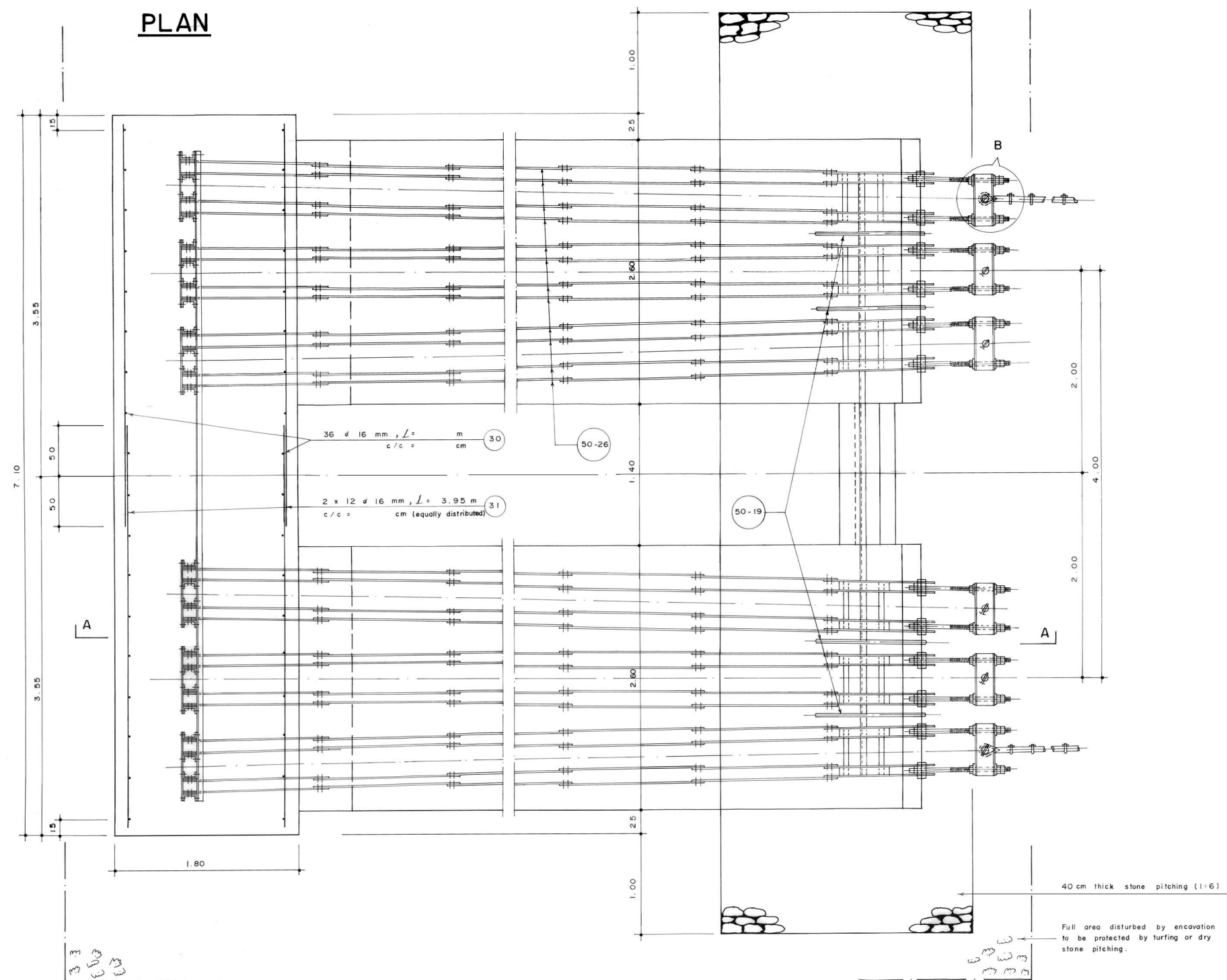


PLAN

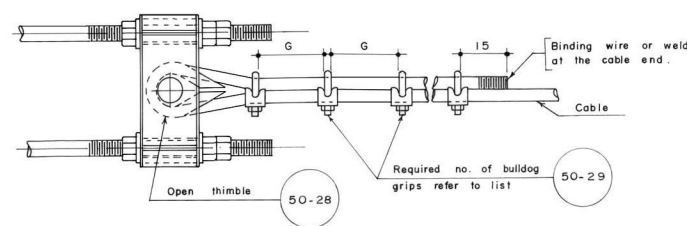


Additional Reinforcement Steel (Ribbed Torsteel)

Part no	Section (mm)	Quantity	Working Drawing	Length		Weight	
				Single/pc mm	Total m	kg/pc	Total kg
30	Rod # 16 $L = 3950$	36		3950	94.80	6.24	149.76
31	Rod # 16 $L = 3950$	24		3950	94.80	6.24	149.76
TOTAL :				kg.			

Weight = 1.58 kg/m

DETAIL AT "B"



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

NOTES

- 1) 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.
- 2) Omit part no. 50-8

Standard Quantities :

B = m. h ₁ = m.		$\beta = \dots\dots\dots^\circ$ h ₂ = m		V _o Quantity (m ³)	Cement Bags / m ³ No. of bags	
Cement plaster 1:4, 2 cm thick				0.26	9.12	2.37
Plain mass concrete 1:3:6 V _o = 12.78 (h ₁ + 0.50) + (B - 1.26) $\frac{2.34}{\cos \beta}$ + $\frac{0.10}{\tan \beta}$ + 0.387				4.40		
Plumb concrete 1:3:6 + 40 % boulders V _o = 12.78 (h ₂ - h ₁ - 0.52)				2.64		
Rubble masonry (1:6)				7.28	1.50	10.92
TOTAL VOLUME V total = 12.78 h ₂ + (B - 1.26) $\frac{2.34}{\cos \beta}$ + $\frac{0.10}{\tan \beta}$ + 0.127						
				No. of cement bags :		

Formwork	F _o Quantity (m ²)
F _o = 17.80 (h ₂ - h ₁ + 0.23) + 2.00 (B - 1.26) + 2.83	

Serial number	Item	Total weight (kg)
1	Structural steel, standard parts :	
2	Screws, bolts, nuts, washers Standard parts :	
Total 1 + 2		

(Pieces)	
Thimbles for Cable Ø 13 mm	
Bulldog grips for cable Ø 13 mm	

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

Bridge No: Name:

Span:

Structural Drawing :

Main Cable Deadman Foundation

6 Main cables Ø mm (36 / 40 mm)

Centre to centre distance c/c₁ = 4.00 m

Date: August 2004

Drawing No.50/2