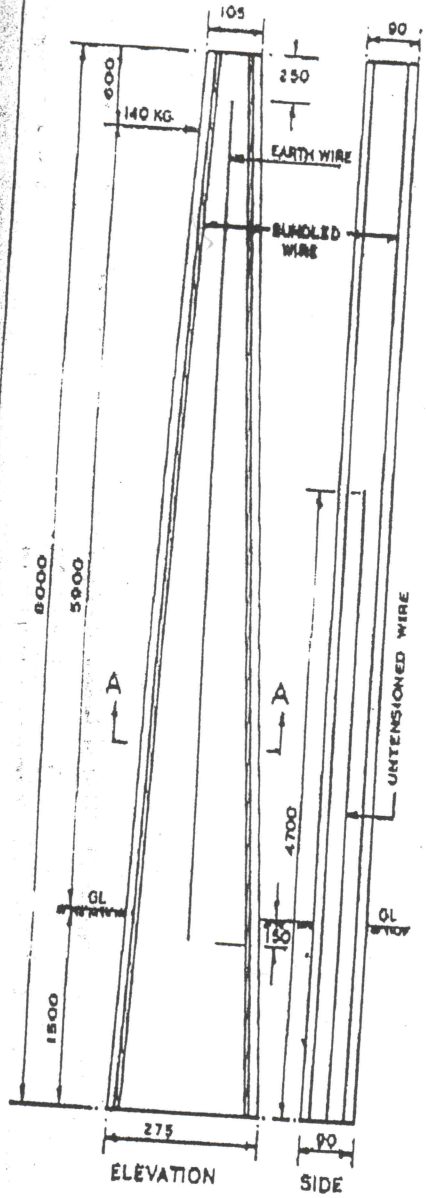

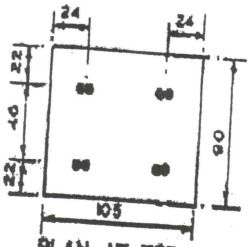

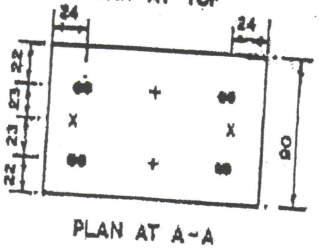

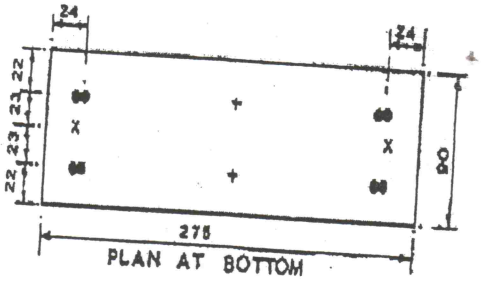

FACTOR OF SAFETY	2·5
CONCRETE GRADE	M-420
DIAMETER OF PRESTRESSING WIRE	4mm
ULTIMATE TENSILE STRENGTH OF PRESTRESSING WIRE	17500 Kg/Cm^2
NUMBER OF TENSIONED WIRES	8
NUMBER OF UNTENSIONED WIRES	2
CONCRETE QUANTITY PER POLE	0·07 M^3
STEEL QUANTITY PER POLE	7·24 Kg.
WEIGHT OF POLE	330 Kg.
CLEAR. COVER TO WIRES	20mm

LOCATION OF HOLES AS PER REC STANDARDS

- ● DENOTES TENSIONED WIRE
- X DENOTES UNTENSIONED WIRE
- + POSSIBLE POSITION OF EARTH WIRE

NOTES :-

1. FOR HOLDING PART LENGTH UNTENSIONED WIRES IN POSITION, 4mmϕ M.S STIRRUPS MAY BE USED WITH SUITABLE SPACING.
2. IF ANY PRACTICAL DIFFICULTY IS EXPERIENCED IN USING PART LENGTH UNTENSIONED WIRES, FULL LENGTH WIRES MAY BE USED INSTEAD BUT THE TENSION IN THESE WIRES SHOULD NOT EXCEED 5% OF THEIR U.T.S VALUE. HOWEVER IT MAY BE NOTED THAT USE OF PART LENGTH UNTENSIONED WIRES WILL BE MORE ECONOMICAL.
3. THE ALTERNATIVE OF USING FULL LENGTH WIRES INSTEAD OF PART LENGTH UNTENSIONED WIRES IS NOT FEASIBLE, IF THE POLE IS TO BE USED FOR LT LINES WITH VERTICAL CONFIGURATION, THIS IS BECAUSE OF NON-AVAILABILITY OF SUFFICIENT CLEARANCE BETWEEN THE EXTENDED FULL LENGTH WIRES AND THE HOLES TO BE PROVIDED IN THE POLE FOR FIXING THE SHACKLE INSULATORS.

चित्र संख्या 3 :- पूर्वबलित कंकरीट खम्भे का विवरण

DRG. NO. 3 :- REINFORCEMENT DETAILS OF 8·0M/140 Kg. PRESTRESSED CONCRETE POLE (FACTOR OF SAFETY = 2·5)

ALL DIMENSIONS ARE IN mm.
DRAWING NOT TO SCALE