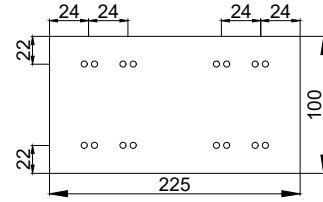
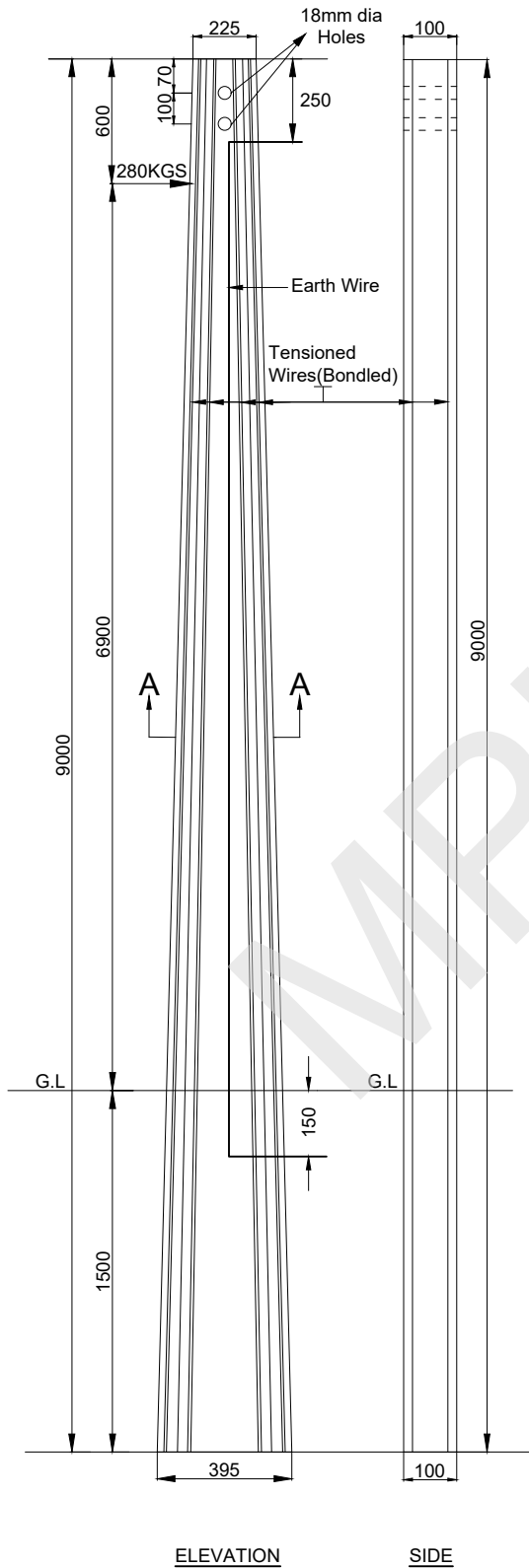
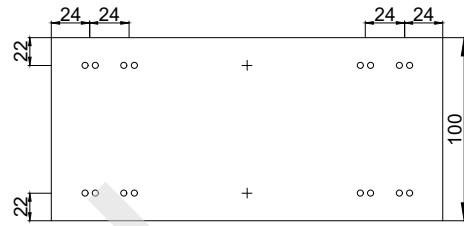


REINFORCEMENT DETAILS OF 9.0/280KG

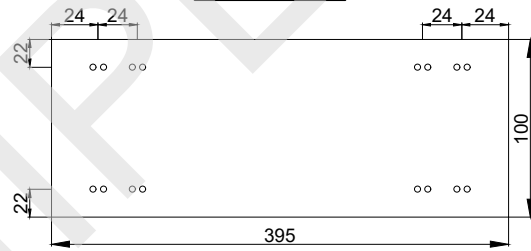
PRESTRESSED CEMENT CONCRETE POLES (FACTOR OF SAFETY = 2.5)



PLAN AT TOP



SECTION AT A-A



PLAN AT BOTTOM

- O Denotes Tensioned Wire
- + Possible Position of Earth Wire

TECHNICAL GUARANTEE PARTICULARS 9.0mtr/280KG WORKING LOAD

TYPE OF POLE	: FLAT
SECTION:	A) TOP : 225 X 100 mm
	B) BOTTOM : 395 X 100 mm
QUANTITY OF CONCRETE	: 0.279 m ³
CONCRETE GRADE	: M-40
OVERALL LENGTH SUPPORT	: 9.0 m
PLANTING DEPTH	: 1.5 m
DIAMETER OF PRESTRESSING WIRE	: 4 mm
DIAMETER OF G.I. WIRE	: 4 mm
NUMBER TENSIONED WIRES	: 16 No's
MINIMUM CUBE STRENGTH OF CONCRETE AT 28 DAYS	: 400 kg/cm ²
CLEAR COVER	: 20 mm
FACTORY OF SAFETY	: 2.5
WORKING LOAD	: 280 kg
ULTIMATE LOAD	: 700 kg
WEIGHT OF POLE (THEORETICAL)	: 684 kg
LOAD APPLICATION AT A POINT FROM THE TOP	: 600 mm
ULTIMATE TENSION STRENGTH FOR 4MM WIRE	: 17500 kg/cm ²
LIVE VOLTAGE	: 33 KV - HT & LT Lines
GI EARTH WIRE 8SWG	: 1 no
All Dimensions are in mm.	NOT TO SCALE