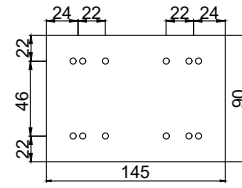
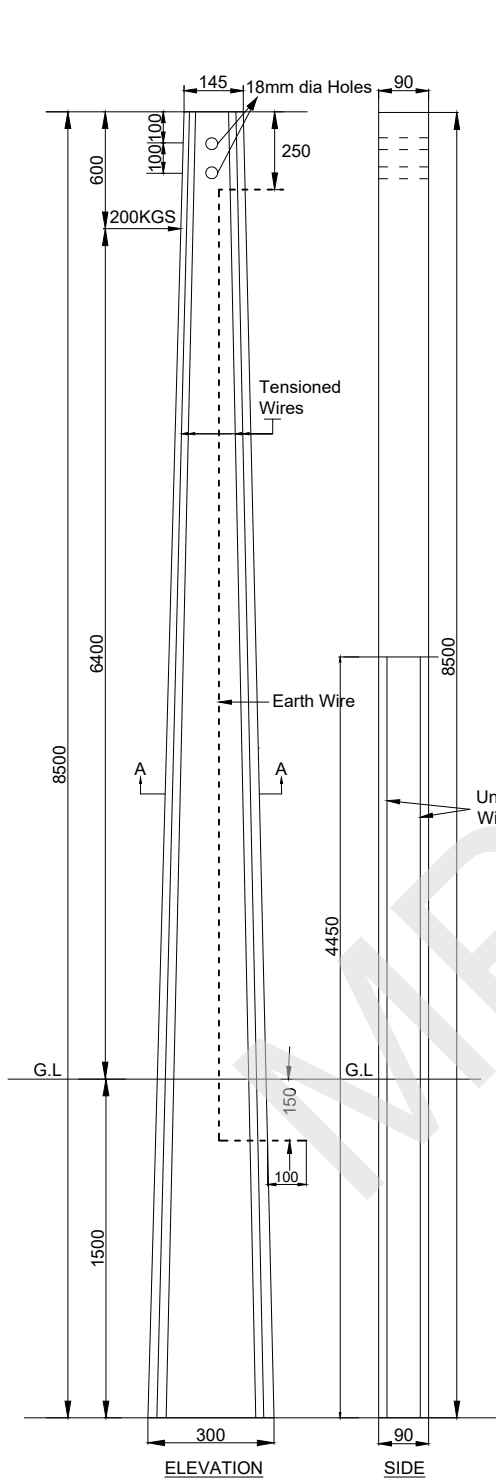
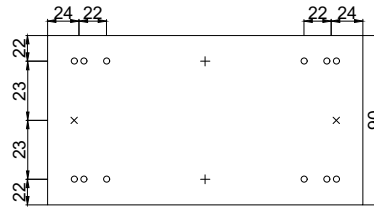


REINFORCEMENT DETAILS OF 8.5/200KG

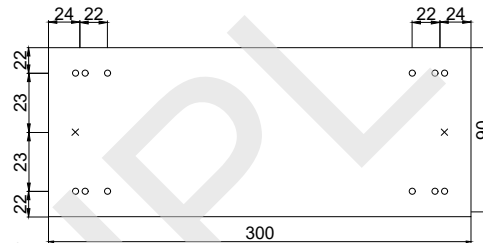
PRESTRESSED CEMENT CONCRETE POLES (FACTOR OF SAFETY = 2.5)



PLAN AT TOP



PLAN AT G.L.



PLAN AT BOTTOM

Location of holes as per REC Standards
 ○ Denotes Tensioned Wire
 × Denotes Un-Tensioned Wire
 + Possible Position of Earth Wire

TECHNICAL GUARANTEE PARTICULARS 8.5mtr/200kg WORKING LOAD

TYPE OF POLE	: FLAT
SECTION:	A) TOP : 145 X 90 mm
	B) BOTTOM : 300 X 90 mm
QUANTITY OF CONCRETE	: 0.170 m ³
CONCRETE GRADE	: M-42
OVERALL LENGTH SUPPORT	: 8.5 m
PLANTING DEPTH	: 1.5 m
DIAMETER OF PRE-STRESSING WIRE	: 4 mm
DIAMETER OF G.I. WIRE	: 4 mm
NUMBER TENSIONED WIRES	: 12 Nos
NUMBER UN-TENSIONED WIRES	: 2 Nos
MINIMUM CUBE STRENGTH OF CONCRETE AT 28 DAYS	: 420 kg/cm ²
CLEAR COVER	: 20 mm
FACTORY OF SAFETY	: 2.5
WORKING LOAD	: 200 kg
ULTIMATE LOAD	: 500 kg
WEIGHT OF POLE (THEORETICAL)	: 430 kg
LOAD APPLICATION AT A POINT FROM THE TOP	: 600 mm
ULTIMATE TENSION STRENGTH FOR 4MM WIRE	: 17500 kg/cm ²
LIVE VOLTAGE	: 11KV-HT & LT Lines
GI EARTH WIRE 8SWG	: 1 no
<u>All dimensions are in mm.</u>	<u>NOT TO SCALE</u>