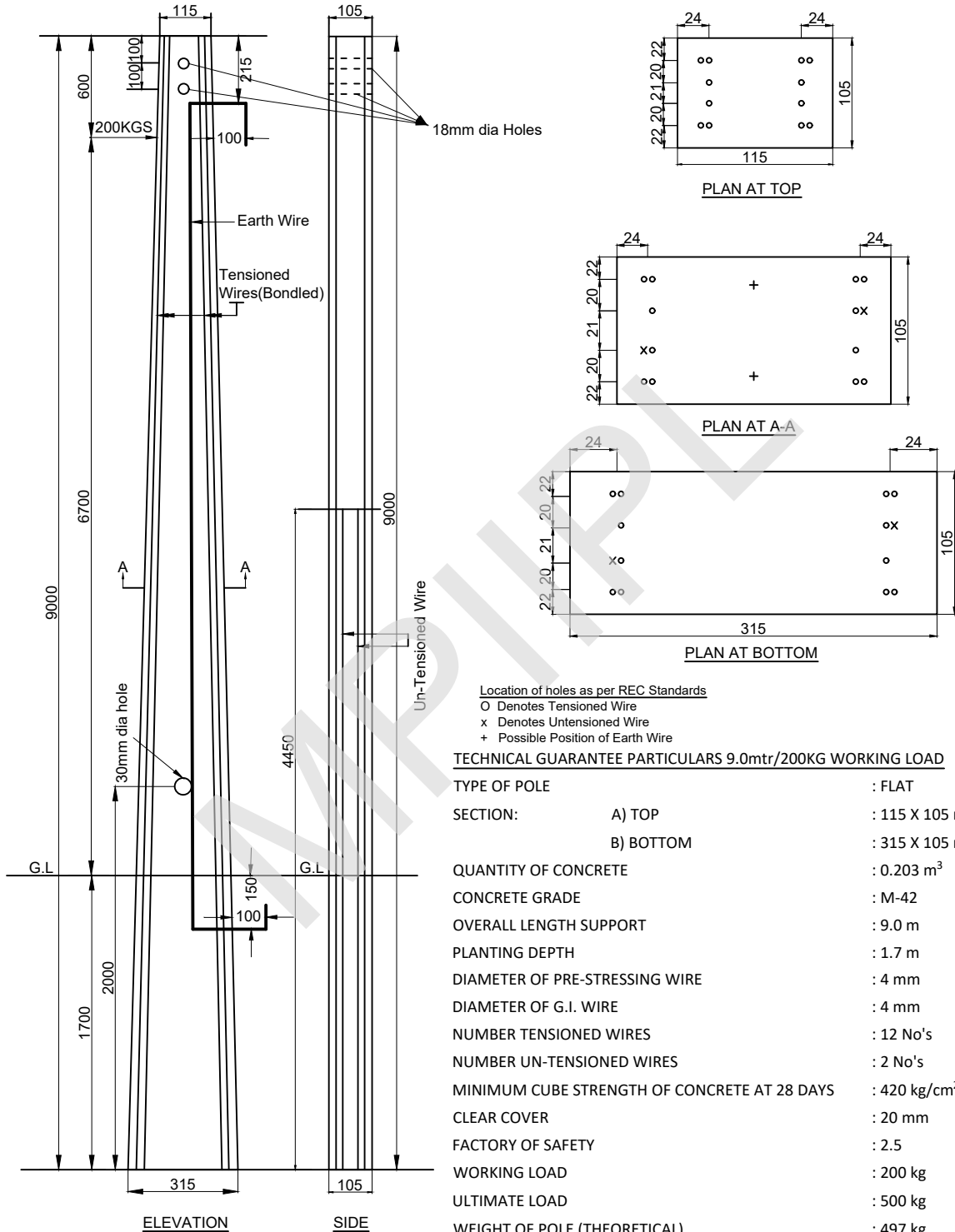


REINFORCEMENT DETAILS OF 9.0/200KG

PRESTRESSED CEMENT CONCRETE POLES (FACTOR OF SAFETY = 2.5)



Location of holes as per REC Standards
 O Denotes Tensioned Wire
 x Denotes Untensioned Wire
 + Possible Position of Earth Wire

TECHNICAL GUARANTEE PARTICULARS 9.0mtr/200KG WORKING LOAD

TYPE OF POLE	: FLAT
SECTION:	A) TOP : 115 X 105 mm
	B) BOTTOM : 315 X 105 mm
QUANTITY OF CONCRETE	: 0.203 m ³
CONCRETE GRADE	: M-42
OVERALL LENGTH SUPPORT	: 9.0 m
PLANTING DEPTH	: 1.7 m
DIAMETER OF PRE-STRESSING WIRE	: 4 mm
DIAMETER OF G.I. WIRE	: 4 mm
NUMBER TENSIONED WIRES	: 12 No's
NUMBER UN-TENSIONED WIRES	: 2 No's
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)	: 497 kg
LOAD APPLICATION AT A POINT FROM THE TOP	: 600 mm
ULTIMATE TENSION STRENGTH FOR 4MM WIRE	: 17500 kg/cm ²
LINE VOLTAGE	: 11 KV - HT & LT Lines
ALL DIMENSIONS ARE IN mm	NOT TO SCALE