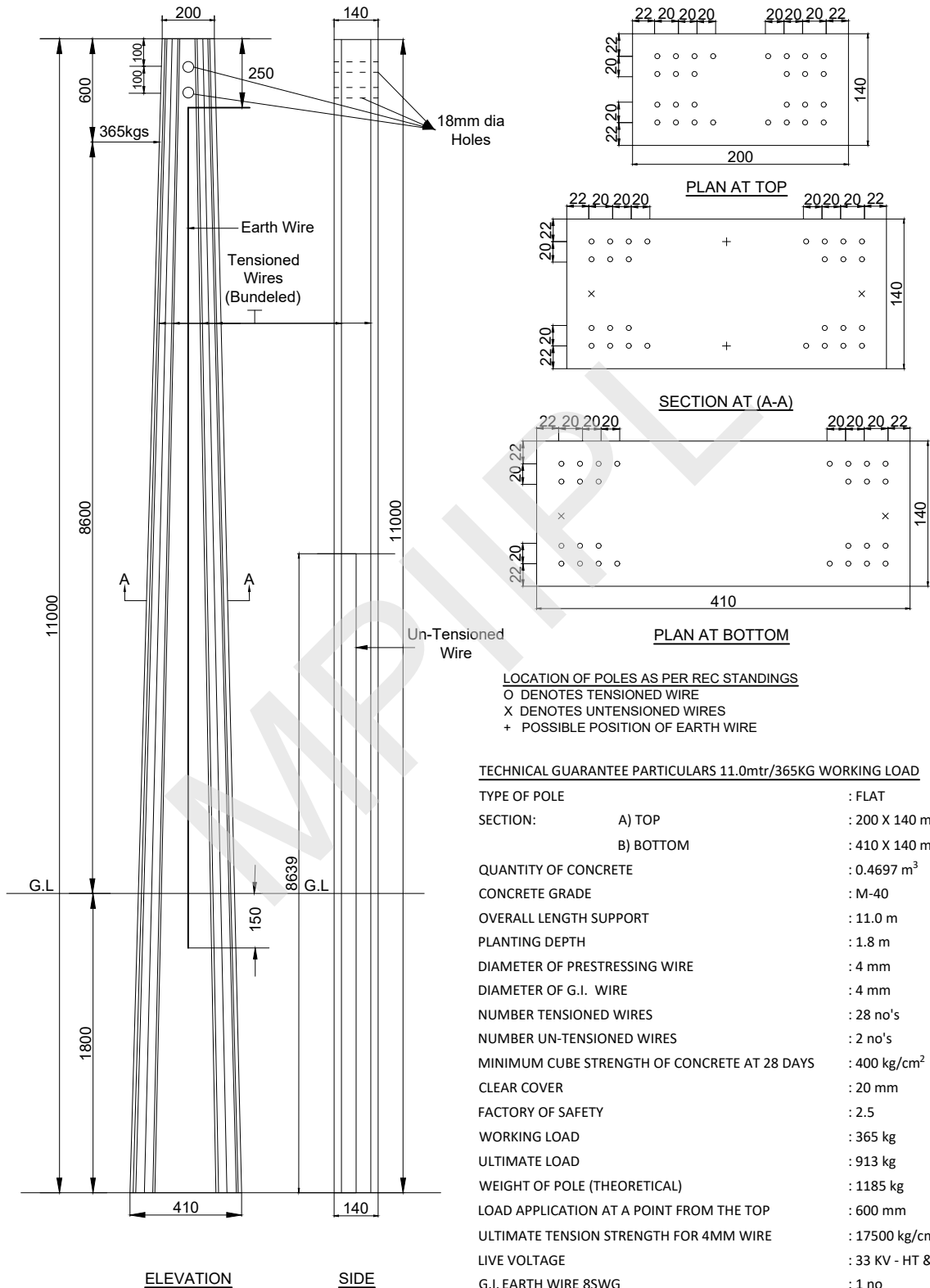


REINFORCEMENT DETAILS OF 11.0M/365 KG PRESTRESSED CEMENT CONCRETE POLES (FACTOR OF SAFETY = 2.5)



LOCATION OF POLES AS PER REC STANDINGS
 O DENOTES TENSIONED WIRE
 X DENOTES UNTENSIONED WIRES
 + POSSIBLE POSITION OF EARTH WIRE

TECHNICAL GUARANTEE PARTICULARS 11.0mtr/365KG WORKING LOAD

TYPE OF POLE	: FLAT
SECTION:	A) TOP : 200 X 140 mm
	B) BOTTOM : 410 X 140 mm
QUANTITY OF CONCRETE	: 0.4697 m ³
CONCRETE GRADE	: M-40
OVERALL LENGTH SUPPORT	: 11.0 m
PLANTING DEPTH	: 1.8 m
DIAMETER OF PRESTRESSING WIRE	: 4 mm
DIAMETER OF G.I. WIRE	: 4 mm
NUMBER TENSIONED WIRES	: 28 no's
NUMBER UN-TENSIONED WIRES	: 2 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	: 365 kg
ULTIMATE LOAD	: 913 kg
WEIGHT OF POLE (THEORETICAL)	: 1185 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
G.I. EARTH WIRE 8SWG	: 1 no
All Dimensions are in mm.	NOT TO SCALE