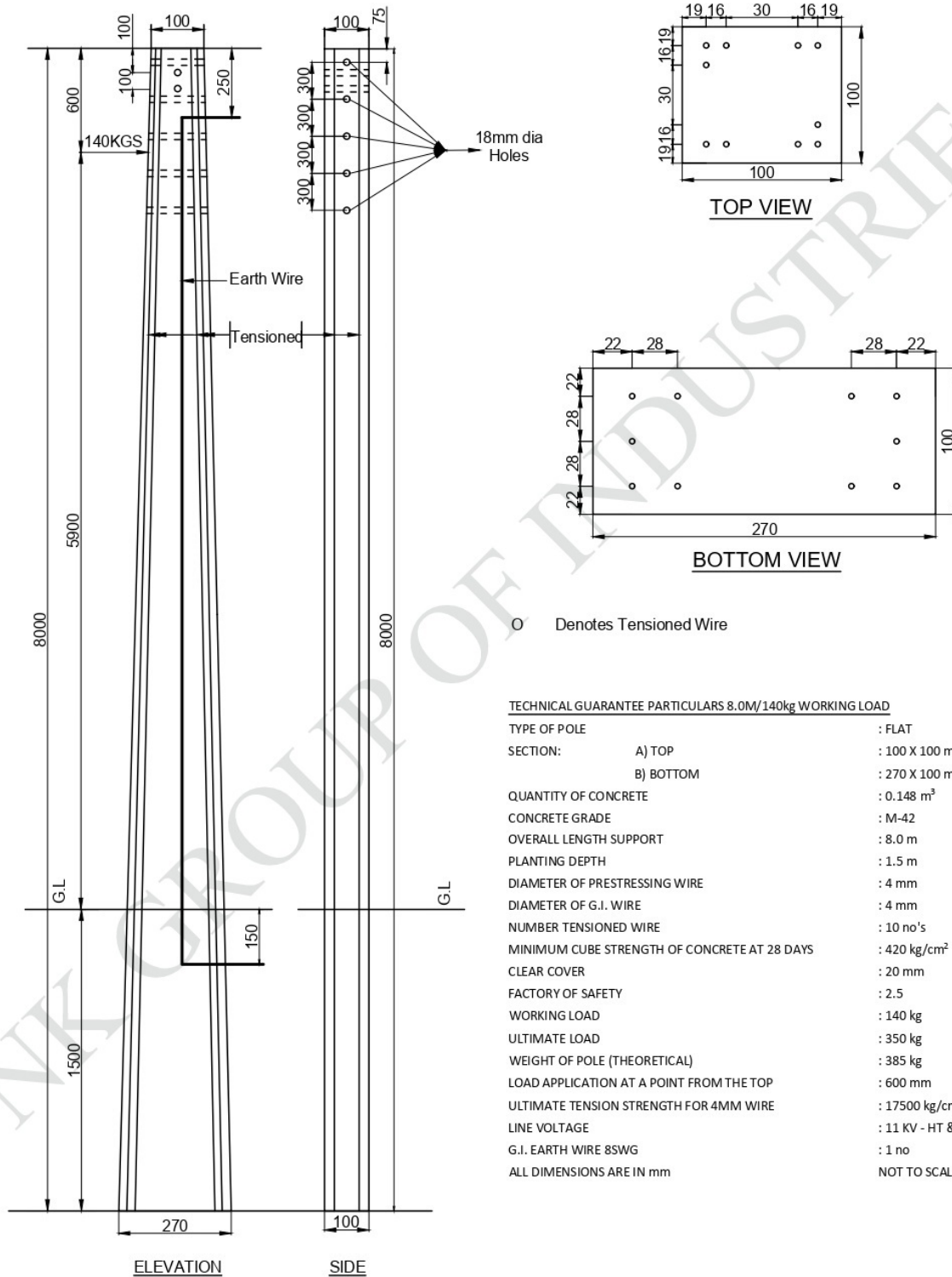




## REINFORCEMENT DETAILS OF 8.0M/140KG PRESTRESSED CEMENT CONCRETE POLES (FACTOR OF SAFETY = 2.5)



### TECHNICAL GUARANTEE PARTICULARS 8.0M/140kg WORKING LOAD

TYPE OF POLE	:	FLAT
SECTION:	A) TOP	: 100 X 100 mm
	B) BOTTOM	: 270 X 100 mm
QUANTITY OF CONCRETE	:	0.148 m <sup>3</sup>
CONCRETE GRADE	:	M-42
OVERALL LENGTH SUPPORT	:	8.0 m
PLANTING DEPTH	:	1.5 m
DIAMETER OF PRESTRESSING WIRE	:	4 mm
DIAMETER OF G.I. WIRE	:	4 mm
NUMBER TENSIONED WIRE	:	10 no's
MINIMUM CUBE STRENGTH OF CONCRETE AT 28 DAYS	:	420 kg/cm <sup>2</sup>
CLEAR COVER	:	20 mm
FACTORY OF SAFETY	:	2.5
WORKING LOAD	:	140 kg
ULTIMATE LOAD	:	350 kg
WEIGHT OF POLE (THEORETICAL)	:	385 kg
LOAD APPLICATION AT A POINT FROM THE TOP	:	600 mm
ULTIMATE TENSION STRENGTH FOR 4MM WIRE	:	17500 kg/cm <sup>2</sup>
LINE VOLTAGE	:	11 KV - HT & LT Lines
G.I. EARTH WIRE 8SWG	:	1 no
ALL DIMENSIONS ARE IN mm	:	NOT TO SCALE