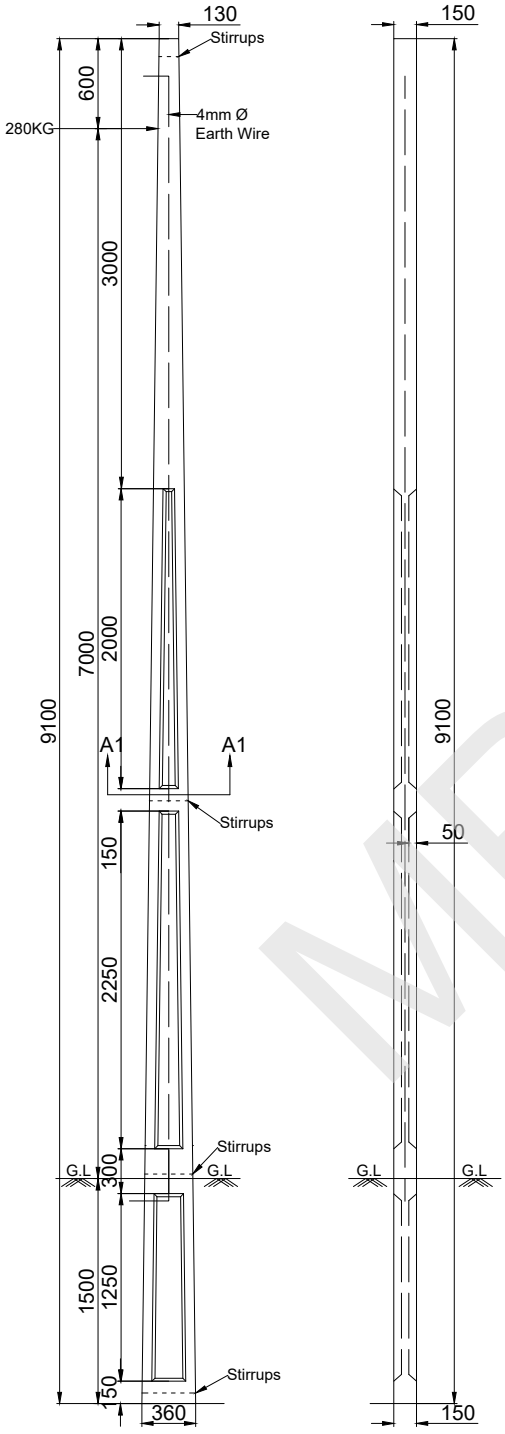
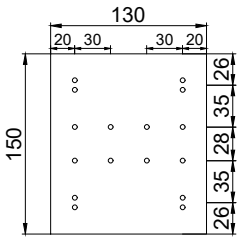
MANCHUKONDA
trust by values

REINFORCEMENT DETAILS OF 9.1/280KG

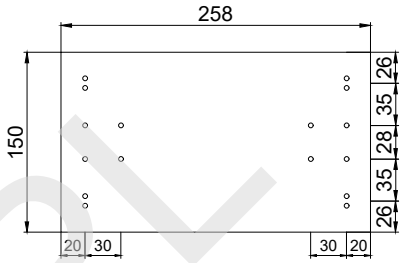
PRE-STRESSED CEMENT CONCRETE POLES (FACTOR OF SAFETY = 2.5)



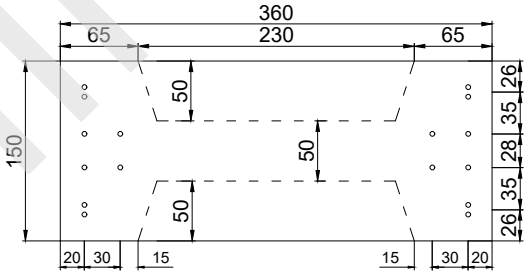
ELEVATION SIDE VIEW



SECTIONAL TOP



SECTION AT- A1



SECTIONAL BOTTOM

TECHNICAL GUARANTEE PARTICULARS 9.1mtr/280KG WORKING LOAD

TYPE OF POLE	: I-SECTION
SECTION:	
A) TOP	: 130 X 150 mm
B) BOTTOM	: 360 X 150 mm
QUANTITY OF CONCRETE	: 0.2687 m^3
CONCRETE GRADE	: M-40
OVERALL LENGTH SUPPORT	: 9.1 m
PLANTING DEPTH	: 1.5 m
DIAMETER OF PRE-STRESSING WIRE	: 4 mm
DIAMETER OF GI 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)	: 658 kg
LOAD APPLICATION AT A POINT FROM THE TOP	: 600 mm
ULTIMATE TENSION STRENGTH FOR 4MM WIRE	: 17500 kg/cm^2
G.I. EARTH WIRE 8SWG	: 1 no
ALL DIMENSIONS ARE IN mm	NOT TO SCALE

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