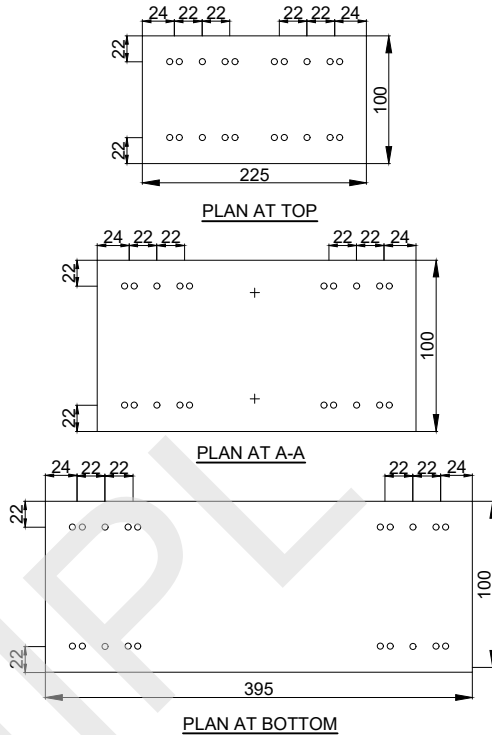
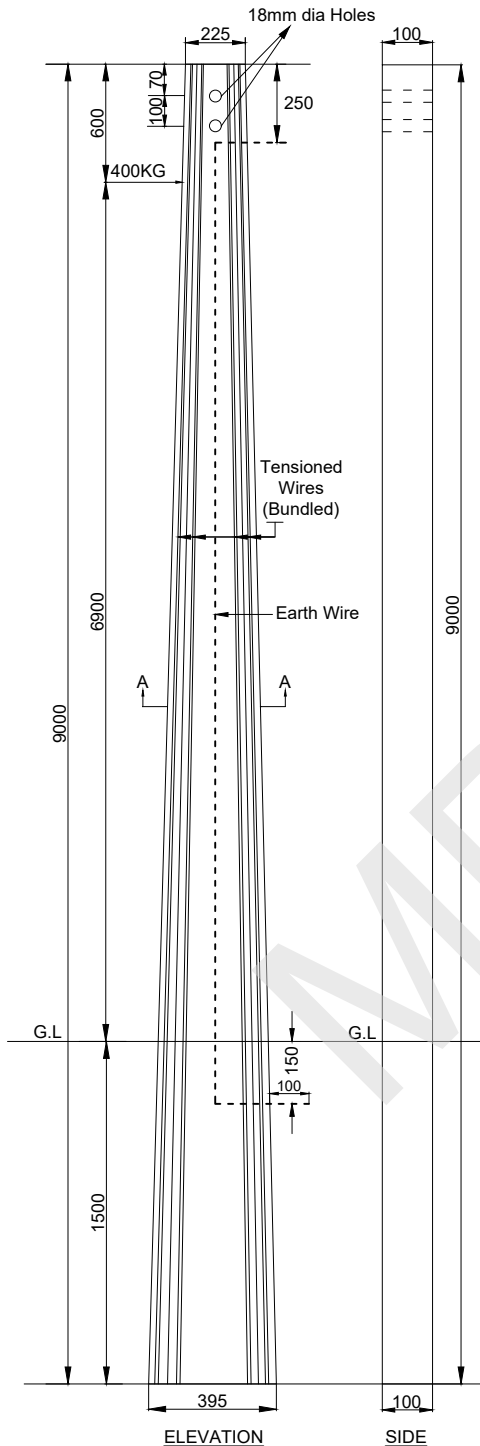


## REINFORCEMENT DETAILS OF 9.0/400KG

PRESTRESSED CEMENT CONCRETE POLES (FACTOR OF SAFETY = 2.0)



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

### TECHNICAL GUARANTEE PARTICULARS 9.0mtr/400kg WORKING LOAD

|  |                            |
|--|----------------------------|
| TYPE OF POLE                                 | :FLAT                      |
| SECTION:                                     | A) TOP : 225 X 100 mm      |
|  | B) BOTTOM : 395 X 100 mm   |
| QUANTITY OF CONCRETE                         | : 0.279 m <sup>3</sup>     |
| CONCRETE GRADE                               | : M-40                     |
| MAXIMUM SIZE OF AGGREGATE SHALL NOT EXCEED   | : 12mm                     |
| OVERALL LENGTH SUPPORT                       | : 9.0 m                    |
| PLANTING DEPTH                               | : 1.5 m                    |
| DIAMETER OF PRE-STRESSING WIRE               | : 4 mm                     |
| DIAMETER OF G.I. WIRE                        | : 4 mm                     |
| NUMBER TENSIONED WIRES                       | : 20 no's                  |
| MINIMUM CUBE STRENGTH OF CONCRETE AT 28 DAYS | : 400 kg/cm <sup>2</sup>   |
| CLEAR COVER                                  | : 20 mm                    |
| FACTORY OF SAFETY                            | : 2.0                      |
| WORKING LOAD                                 | : 400 kg                   |
| ULTIMATE LOAD                                | : 800 kg                   |
| WEIGHT OF POLE (THEORETICAL)                 | : 705 kg                   |
| LOAD APPLICATION AT A POINT FROM THE TOP     | : 600 mm                   |
| ULTIMATE TENSION STRENGTH FOR 4MM WIRE       | : 17500 kg/cm <sup>2</sup> |
| LIVE VOLTAGE                                 | : 33KV-HT & LT Lines       |
| GI EARTH WIRE 8SWG                           | : 1 no                     |

All dimensions are in mm.

NOT TO SCALE