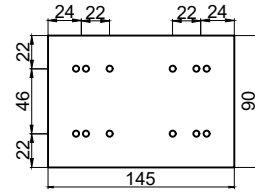
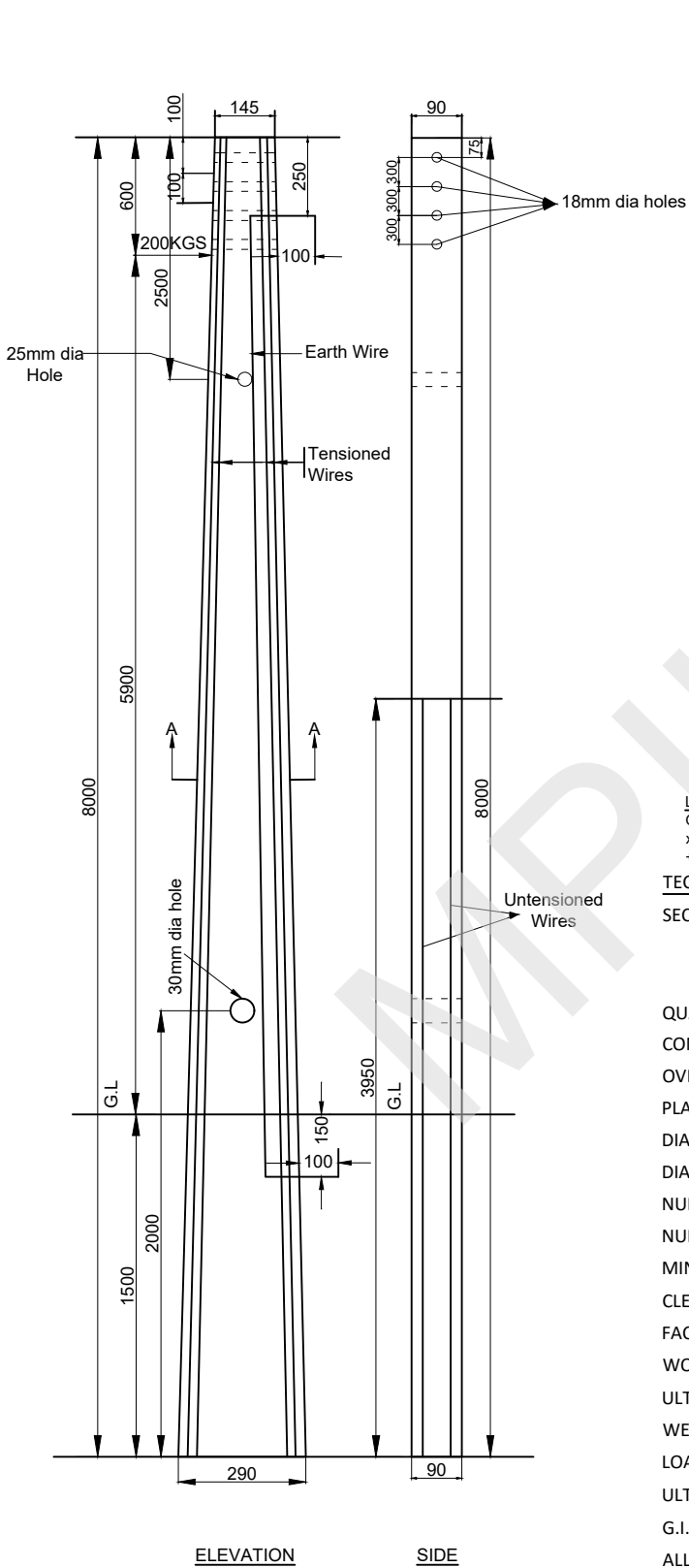
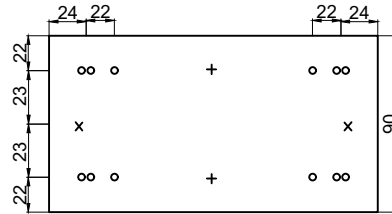


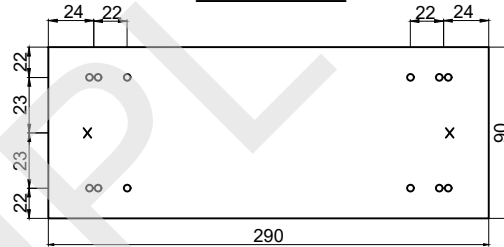
## REINFORCEMENT DETAILS OF 8.0/200KG (Type-1) PRESTRESSED CEMENT CONCRETE POLES (FACTOR OF SAFETY = 2.5)



**PLAN AT TOP**



**PLAN AT A-A**



**PLAN AT BOTTOM**

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

**TECHNICAL GUARANTEE PARTICULARS 8.0mtr/200KG WORKING LOAD**

**SECTION:**

- A) TOP : 145 X 90 mm
- B) BOTTOM : 290 X 90 mm

|  |                            |
|--|----------------------------|
| QUANTITY OF CONCRETE                         | : 0.157 m <sup>3</sup>     |
| CONCRETE GRADE                               | : M-42                     |
| OVERALL LENGTH SUPPORT                       | : 8.0 m                    |
| PLANTING DEPTH                               | : 1.5 m                    |
| DIAMETER OF PRE-STRESSING WIRE               | : 4 mm                     |
| DIAMETER OF GI 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 <sup>2</sup>   |
| CLEAR COVER                                  | : 20 mm                    |
| FACTORY OF SAFETY                            | : 2.5                      |
| WORKING LOAD                                 | : 200 kg                   |
| ULTIMATE LOAD                                | : 500 kg                   |
| WEIGHT OF POLE (THEORETICAL)                 | : 408 kg                   |
| LOAD APPLICATION AT A POINT FROM THE TOP     | : 600 mm                   |
| ULTIMATE TENSION STRENGTH FOR 4MM WIRE       | : 17500 kg/cm <sup>2</sup> |
| G.I. EARTH WIRE 8SWG                         | : 1 no                     |
| <b>ALL DIMENSIONS ARE IN mm</b>              | <b>NOT TO SCALE</b>        |