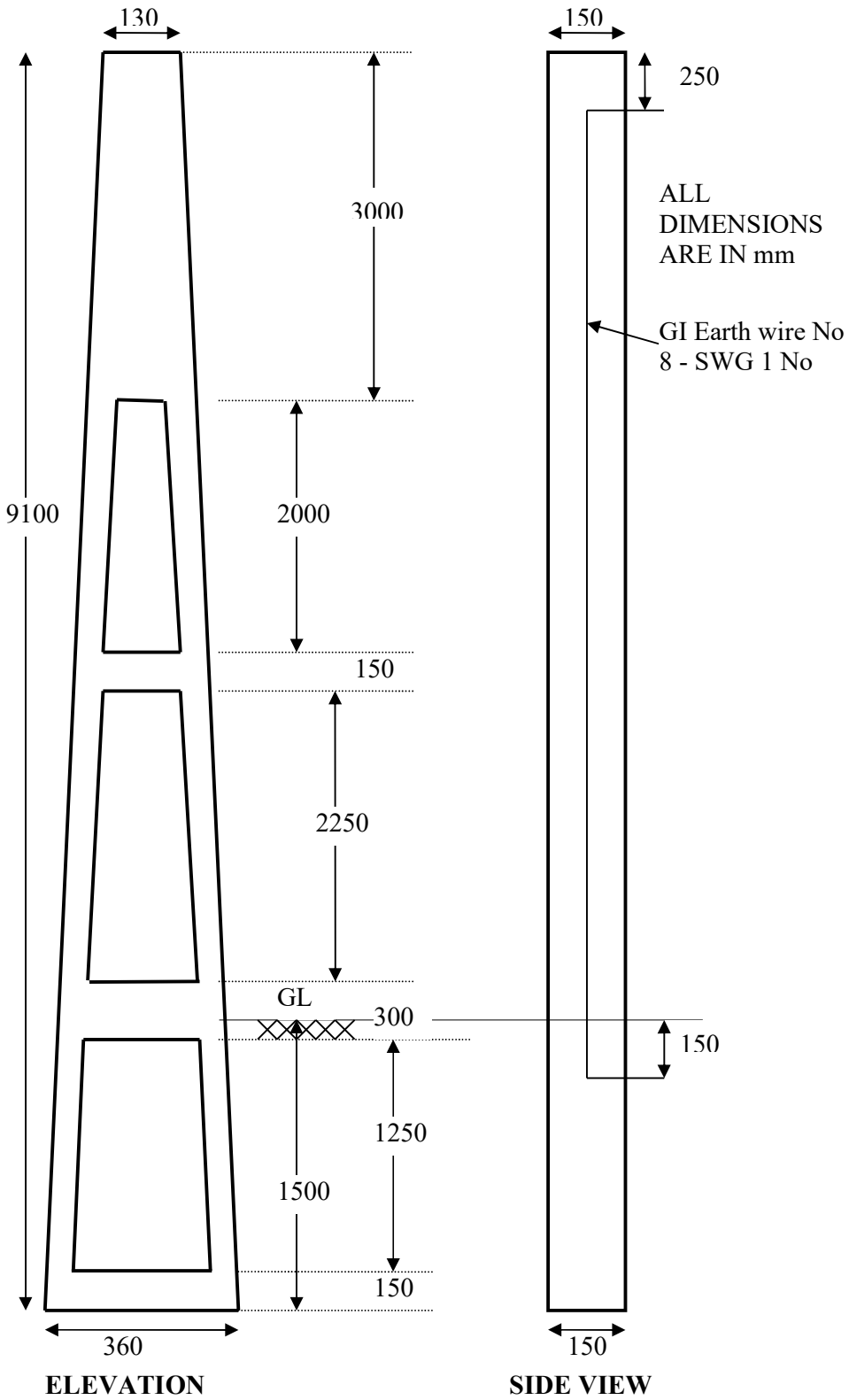
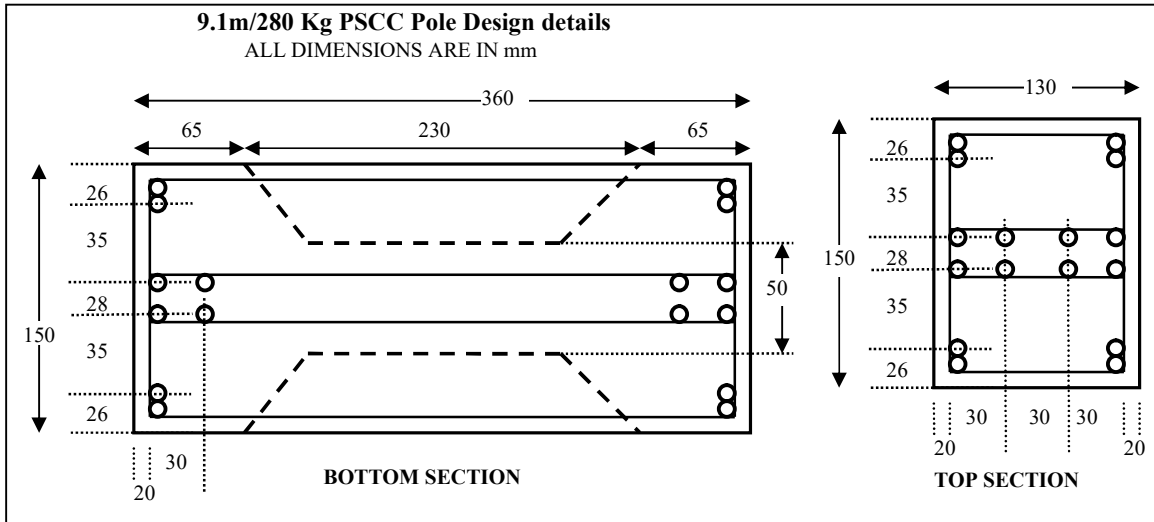


### 9.1m/280 Kg PSCC Pole Design details





- |  |   |
|--|---|
| 1. Type of pole:-                                  | I Section   |
| 2. Section   |   |
| a. At top:-  | 130 x 150 mm  |
| b. At Bottom:-                                     | 360 x 150 mm  |
| 3. Number of HT wires                              |   |
| a. Tensioned:-                                     | 16 Nos - 4mm dia  |
| b. Un tensioned curtailed wires:-                  | Nil.  |
| 4. Quantity of concrete:-                          | 0.265 cum   |
| 5. Concrete Grade:-                                | M 40  |
| 6. HGB Metal 20mm:-                                | 0.071 cum   |
| 7. HGB Metal 10mm to 12mm:-                        | 0.166 cum   |
| 8. Sand:-  | 0.126 cum   |
| 9. Cement 53 grade :-                              | 126.5 Kg  |
| 10. 4mm HT Steel:-                                 | 16.0 Kg   |
| 11. Stirrups :-                                    | Two legged 4mm HT steel stirrups at 600mm centre to centre shall be provided through out the length of pole. Four legged 4mm HT steel stirrup shall be provided one at top and one at bottom. |
| 12. GI Earth wire:-                                | No 8 SWG  |
| 13. Point of application of load from top :-       | 600 mm  |
| 14. Full tension applied to each wire:-            | 1,760 Kg  |
| 15. Weight of pole:-                               | 680 Kg  |
| 16. Factor of safety:-                             | 2.5   |
| 17. Permissible deflection at 40% i.e 280 Kg load= | 42.2 mm   |