

- b. 35 x 35 mm square section.
- 2. A slip resistant surface shall be provided onto the top surface.
- 3. Capable of resisting a pull out force of 7.5 kN.
- 4. Capable of supporting a load of 2.5 kN without cracking and with a maximum deflection of 5 mm.
- 5. Capable of absorbing an impact load of 20 kg dropped from a height of one (1) meter without fracture.
- B. Shall be staggered 300 mm horizontally and spaced 225 mm vertically.

3.2.6 GRP Enclosures and Kiosks

- A. GRP enclosures and Kiosks shall conform to the following requirements, unless otherwise noted or unless otherwise approved by the Engineer.
 - 1. GRP enclosures and Kiosks shall be suitable for outdoor installation under the prevailing temperatures, humidity, wind, UV and dust exposure.
 - 2. Minimum IP rating shall be 55.
 - 3. Construction for enclosures shall be single skin (4mm nominal thickness) .
 - 4. Construction for kiosks shall be single skin walls (6mm nominal thickness) with insulated roof panels.
 - a. Roof panels shall incorporate a 40mm thick polyurethane insulation board.
 - b. Stiffeners and battens shall be utilized as necessary to prevent excessive deformation and provide support for wall mounted equipment.
 - c. Lifting hooks or rings shall be provided for shop assembled kiosks.
 - 5. Resins may be isothalic, or orthothalic and shall include a fire retardant.
 - 6. Glass shall be E glass.
 - 7. Exterior finish shall be a smooth semi-gloss gel coat with UV inhibitor, color: light grey.
 - 8. Interior surface shall be top coated to provide a smooth finish.
 - 9. All GRP laminate shall be self-extinguishing.
 - 10. Doors
 - a. Doors for kiosks shall be fitted with stiffeners to avoid sagging or deformation.