

## INFRASTRUCTURE TENSILE MESH BARRIER//

### HIGH IMPOSED (PANIC) LOAD//AS5100 Ø50mm ROAD SAFETY SCREEN COMPLIANCE

- a. Jakob Webnet Mesh (20261-0200-050) with a 50mm (x91mm) aperture// and;
  - I. Ø2mm gauge 6x7 Wire Rope Cable (WRC); 2.4kN Minimum Breaking Load
  - II. Swaged sleeves; with 2.6kN transversal MBL, 0.3kN Longitudinal MBL
  - III. preventing passage of objects greater than Ø43mm; compliant with AS5100.1 c16.4(c-ii)
  - IV. providing 91.2% free open area
- b. Lacing wire rope to fix Webnet Mesh to perimeter support; nominally a Jakob 2mm gauge (6x7 WRC); 1.4kN MBL
- c. Perimeter Support a Jakob 6mm gauge (6x7 WRC) with associated Jakob turnbuckles (30870-0600) and forks (30881-0600) to provide a complete tensioned system; supported and fixed to structure via
- d. M10 Jakob Eyebolts (30838-1000)// at 500 centres; fixed via//
  - I. Hilti HIT-HY 270 chemical anchors to concrete or
  - II. mechanically fixed to steel (hot rolled)
- e. Incompatible metals isolated as required
- f. Pre-tension, dead and live loads engineered, installed and certified as part of a system compliant with TfNSW BTD/2012/01, and to AS5100.2 c12.5
- g. Designed, installed and certified to manufacturer's specifications.
- h. All made from AISI grade 316 Stainless Steel and finish; with and manufacturer's documentation of//
  - I. Minimum Breaking Load / Strength capacity, Quality Assurance, and Material Traceability
  - II. Manufactured from 90-100% renewable energy
  - III. With a minimum of 70% recycled content
  - IV. ISO9001 & 14001 working conditions