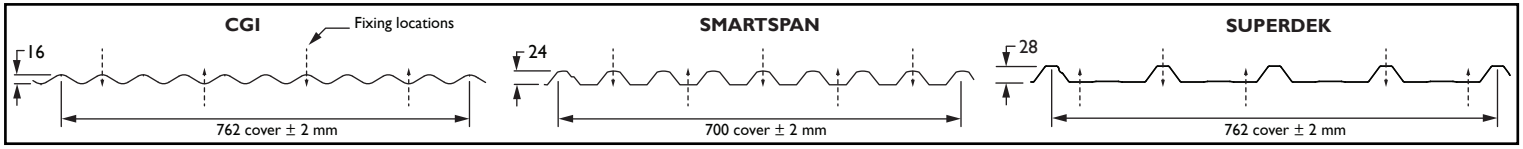
# GOOD NEIGHBOUR CYCLONIC FENCING

## Full Shielding Option




| Post Type | | | | | | |
|---|---|---|---|---|---|---|
| Terrain Category | Fence Height (Both posts into footings) | | | Fence Height (SHS only into footings) | | |
| | 1200 | 1500 | 1800 | 1200 | 1500 | 1800 |
| 1.0 | Standard Post | 50x50x1.6 | 65x65x2.0 | 50x50x3.0 | 65x65x2.5 | 75x75x3.0 |
| 2.0 | Standard Post | Standard Post | 50x50x2.0 | 50x50x2.0 | 65x65x2.0 | 65x65x3.0 |
| 2.5 | Standard Post | Standard Post | 50x50x2.0 | 50x50x2.0 | 65x65x2.0 | 65x65x3.0 |
| 3.0 | Standard Post | Standard Post | 50x50x1.6 | 50x50x2.0 | 50x50x3.0 | 65x65x3.0 |

### Fixing Details

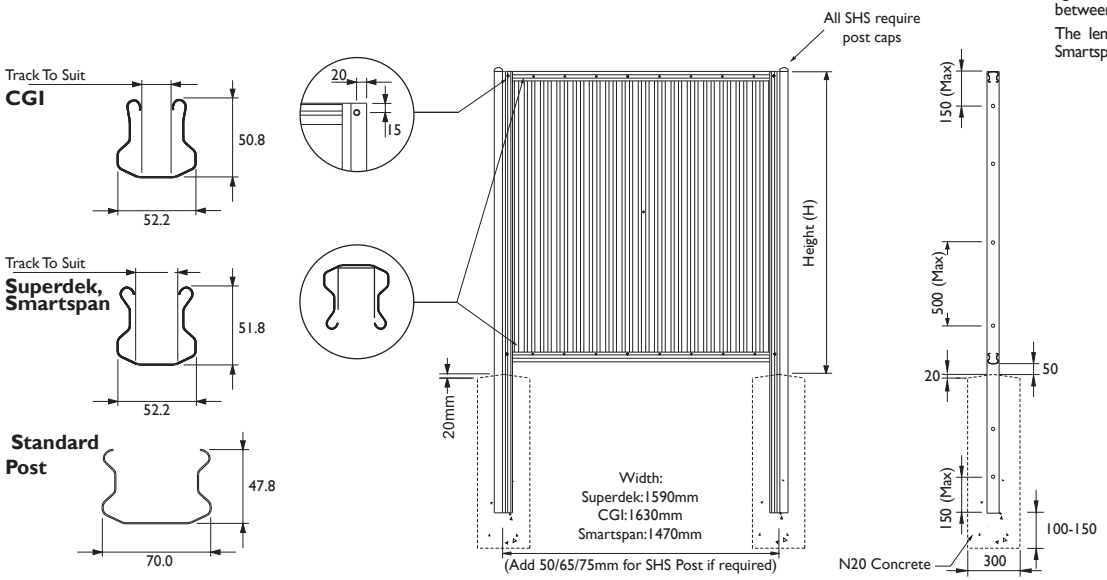
1. Fence tracks are to be fixed to the post with one 12x20mm self drilling screw on each side.
2. Sheets are to be fixed to the tracks using 10x25mm self drilling screws as per the above screw fixing locations.
3. Fasten sheets midspan at the overlap using a 3mm rivet.
4. Posts are to be fixed to each other using 12x20mm self drilling screws at a maximum spacing of 500mm.

| 300mm Diameter Circular Footing Sizes (mm) | | | | |
|---|---|---|---|---|
| Terrain Category | Soil Type | Fence Height | | |
| | | 1200 | 1500 | 1800 |
| 1 | Sandy Clay | 650 | 800 | 1000 |
| | Clay | 600 | 600 | 700 |
| 2.0 | Sandy Clay | 650 | 700 | 900 |
| | Clay | 600 | 600 | 600 |
| 2.5 | Sandy Clay | 650 | 700 | 900 |
| | Clay | 600 | 600 | 600 |
| 3.0 | Sandy Clay | 650 | 650 | 850 |
| | Clay | 600 | 600 | 600 |

**Notes:**

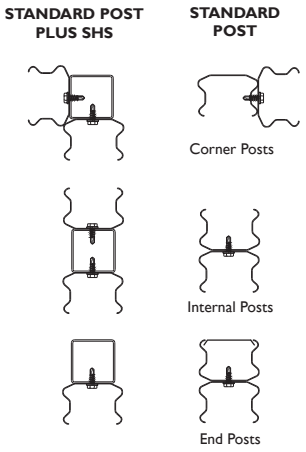
1. All SHS posts to be minimum C350.
2. All screws must have minimum Class 4 corrosion resistance.
3. Panel widths shall be reduced at free ends. A free end is defined as an end which does not form part of a corner and does not butt up against a solid structure. It shall comprise 4 single sheets with posts between each sheet (ie. 5 posts total).

   The lengths of the free ends are 3048mm for CGI, 2800mm for Smartspan, and 3048mm for Superdek, plus the widths of the 5 posts.










Notes covering basis of DTC (Relevant test reports etc)

1. Good Neighbour® Fence Panels have been tested at University of Adelaide by Engtest (Ref: C041001) dated 20th October 2004 and conform to the strength requirements of AS 4040.3-1992 and AS 1562.1-1992.
2. Design Criteria determined in accordance with AS/NZS1170.2:2021 *Wind Actions*.

### Footing Specifications:

1. Footings shall be founded in natural soil only with minimum 250kPa ultimate foundation bearing capacity. Fence installer shall seek additional engineering advice for soil conditions outside of those specified.
2. Concrete to be minimum N20 grade with top of footings shaped to direct water away from posts.

**Checking Engineer**

Name: Glenn Turner
Registration Number: NER 3823731
Date: 14/03/2025
Signature:
Must be an **Australian** registered structural engineer

**Certifying Engineer**

Name: Matthew Mammone
NT Registration Number: 243890ES
Date: 14/03/2025
Signature:
Must be a registered structural engineer in the **Northern Territory**

Product Name: Good Neighbour® Fencing Full Shielding Option

### Product Description

Post and track manufactured from 0.8mm BMT G550 steel, minimum Z275 coating. Infill panels manufactured from 0.35mm BMT G550 steel, minimum AM100 coating (pre-painted), and minimum AM125 (unpainted).

### Manufacturer's Details

Stratco (Australia) Pty Ltd
780 Stuart Highway, Berrimah NT 0828. ABN 30 007 528 850

### Design Criteria

The following criteria was used in the development of the tables:

1. Region C with an annual probability of exceedence of 1: 200
2. Vr = Mc x 61m/s (limit state), with Mc = 1.05
3. Importance Level 1
4. Ms = 0.85, Mt = 1.0, Md = 1.0 for cladding and track design
   Md = 0.9 for post and footing design

Mz,cat (1.0) = 0.97
Mz,cat (2.0) = 0.91
Mz,cat (2.5) = 0.87
Mz,cat (3.0) = 0.83

Refer AS/NZS 1170.2:2021 Structural design actions Part 2: Wind Actions for definition of local pressure zones.

Definition of full shielding for domestic applications from AS4055-2021, alternatively, shielding multiplier, Ms, calculated from AS/NZS1170.2:2021.

Pressure Coefficients:

Cp (max) = +1.2 for general fence area
= +2.4 for a distance of 2H from free ends

### Limitations

**Accepted for inclusion in Deemed to Comply Manual**

DTCM drawing number: **M/851/01**

Chairperson Signature:

Chairperson Name: Dr Elisha Harris

Date of Approval: 9/04/2025 Expiry Date: 9/4/2030