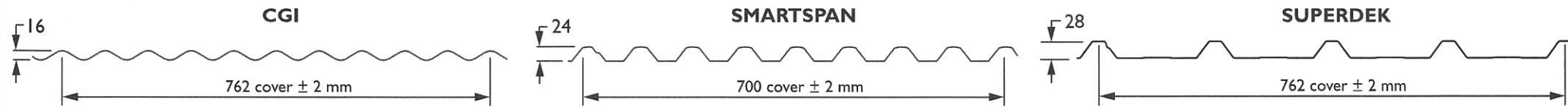




GOOD NEIGHBOUR CYCLONIC FENCING Region C Full Shielding

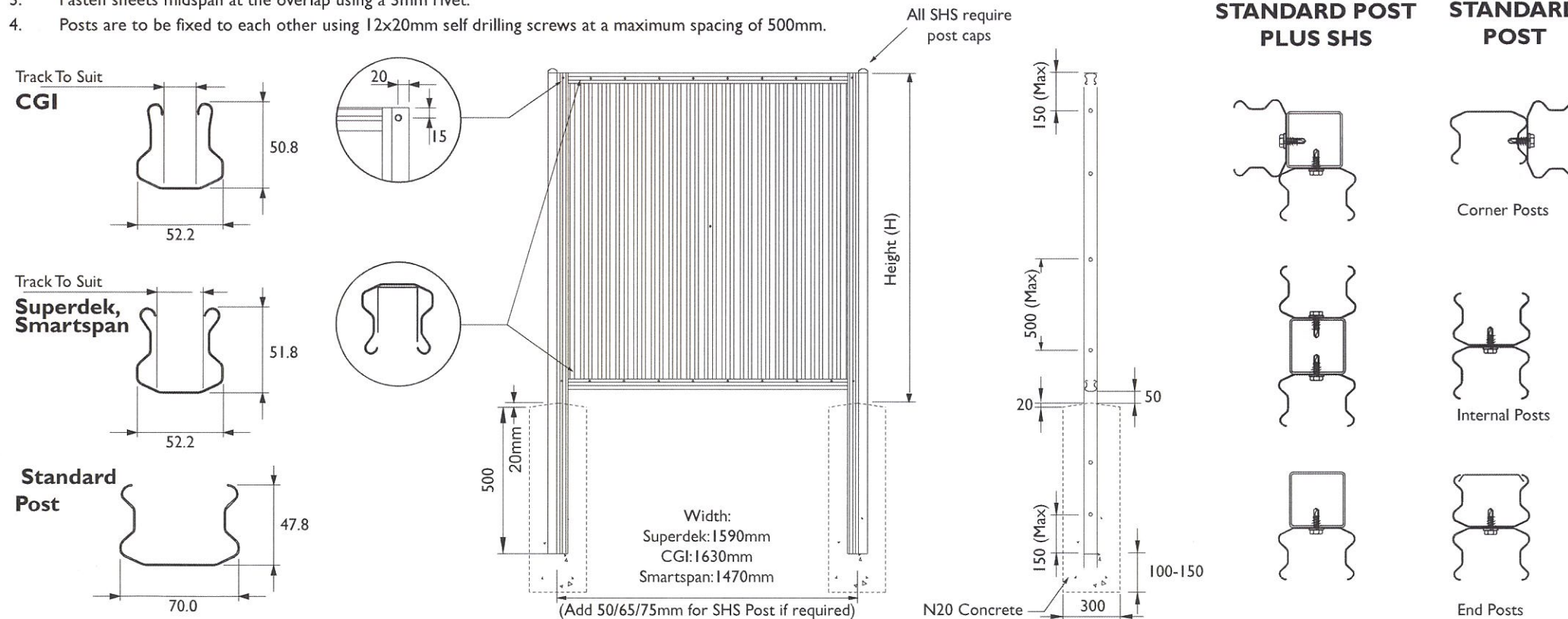


Terrain Category	Post Type					
	Fence Height (Both posts into footings)			Fence Height (SHS only into footings)		
	1200	1500	1800	1200	1500	1800
1.0	Standard Post	50x50x1.6	65x65x2.0	50x50x3.0	65x65x2.5	75x75x3.0
2.0	Standard Post	Standard Post	50x50x2.0	50x50x2.0	65x65x2.0	65x65x3.0
2.5	Standard Post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

Terrain Category	Soil Type	300mm Diameter Circular Footing Sizes (mm)		
		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

Fixing Details

- Fence tracks are to be fixed to the post with one 12x20mm self drilling screw on each side.
- Sheets are to be fixed to the tracks using one 10x25mm self drilling screw in line with every rib for Superdek, every third crest for CGI and every second rib for Smartspan. It is recommended adjacent screws are secured on alternating sides of the fence tracks.
- Fasten sheets midspan at the overlap using a 3mm rivet.
- Posts are to be fixed to each other using 12x20mm self drilling screws at a maximum spacing of 500mm.



Product Name
 Good Neighbour® Fencing (Region C)

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 AZ150 coating.

Manufacturer's Name
 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:

- Region C with an annual probability of exceedence of 1: 200
- $V_r = F_c \times 61 \text{ m/s}$ (limit state), with $F_c = 1.05$
- Importance Level I
- $M_s = 0.85, M_t = 1.0, M_d = 0.95$ for post and footing design

$M_{z,cat} (1.0) = 0.99$
 $M_{z,cat} (2.0) = 0.91$
 $M_{z,cat} (2.5) = 0.87$
 $M_{z,cat} (3.0) = 0.83$

Refer AS/NZS 1170.2:2011 Structural design actions Part 2: Wind Actions for definition of local pressure zones.
 Definition of full shielding for domestic applications from AS4055-2012, alternatively, shielding multiplier, M_s , calculated from AS/NZS 1170.2:2011.

Pressure Coefficients:
 $C_p (\text{max}) = +1.2$ for general fence area
 $= +2.4$ for a distance of 2H from free ends

Limitations

- All SHS posts to be minimum C350.
- All screws must have minimum Class 4 corrosion resistance.
- At any free ends, the final two fence modules must be replaced with four single sheet fence panels.

Accepted for Inclusion

DTCM ref: *m/813*

- 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.
- Design Criteria determined in accordance with AS/NZS 1170.2:2011 Wind Actions.

Footing Specifications:

- 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.
- Concrete to be minimum N20 grade with top of footings shaped to direct water away from posts.

****Design Engineers Certification**
 Name: Trevor John
 Registration Number: 106278
 Date: 14.10.2014
 Signature: *Trevor John*
 OUR REF: 50458-1
 TREVOR JOHN
 **registered as a structural engineer in Australia

****Certifying Engineers Certification**
 Heiner Structural Engineering Consultants
 Name: Micheal Hatton (nominee)
 NT Registration Number: NT 52229ES
 Date: 15/10/2014
 Signature: *M Hatton*
 **registered as a structural engineer in Northern Territory

Chairman's Signature: *Peter Russell*

Chairman's Name: *Peter Russell*

Date of Approval: *23/10/14* **Expiry Date:** *23/10/19*