

CYCLONIC GOOD NEIGHBOUR® FENCING (REGION D)

PRODUCT SPECIFICATIONS

- 0.35mm BMT Zinc Aluminium coated Steel
- 0.35mm BMT Pre-painted colour steel
- Heights Available: 900mm, 1200mm, 1500mm & 1800mm



DESIGN DATA

COLUMN TYPES

H = 900mm / 1200mm		POSTS REQUIRED
REGION	CATEGORY	
D	2	1
D	2.5	1
D	3	1

H = 1500mm		POSTS REQUIRED
REGION	CATEGORY	
D	2	2
D	2.5	2
D	3	2

H = 1800mm		POSTS REQUIRED
REGION	CATEGORY	
D	2	3
D	2.5	3
D	3	3

Additional Post + GNF Standard Post:

- 75 x 50 x 3.0mm
- 75 x 75 x 3.5mm
- 125 x 75 x 3.0mm

Note: All posts to be min G450.

Refer below for post configurations.

FOOTING SIZES (mm)

SOIL TYPE	REGION	900mm/1200mm	1500mm	1800mm
Sandy	D	300x900	300x1100	300x1200
Sandy Clay	D	300x650	300x800	300x900

Note: All footings are circular. For posts within a distance of 2xHeight from any free end increase footing depth by 200mm

DESIGN CRITERION

Post & footing sizes are based on calculations using design wind pressures determined in accordance with AS/NZS 1170.2. The following design criteria have been used:

Design Wind Speed (Region D): 88m/s
based on a 500 year Return Period, Important Level 2

Mz cat (2.0) - 0.90

Mz cat (2.5) - 0.85

Mz cat (3.0) - 0.80

Ms = Mt = 1.0

Md = 0.95

Cp(max) = 1.2 for non-free end

= 2.4 for a distance 2H from free ends

Suitable for Earthquake Design Category II which is the worst case applicable in accordance with AS1170.4.

FIXING DETAILS

Fence Track Stiffener to be inserted in both top and bottom fence tracks.

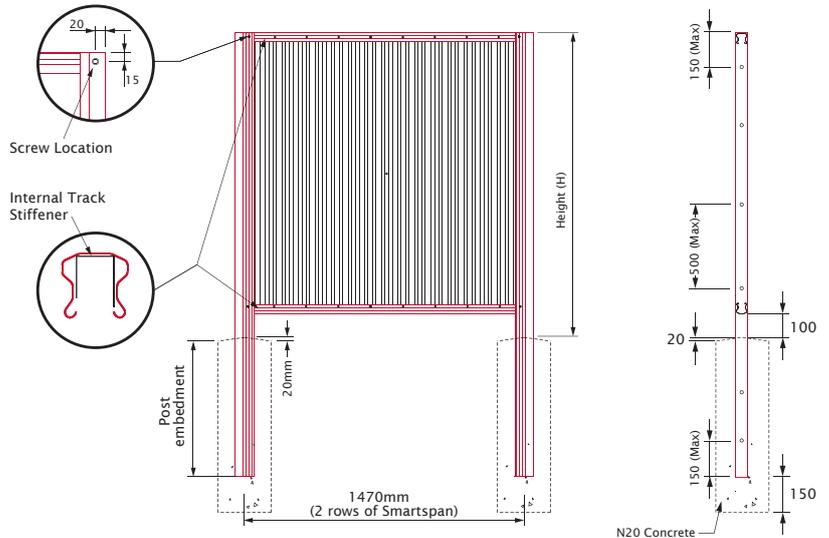
Fence tracks are to be fixed to the post with one 14x22mm self drilling screw on each side.

Sheets are to be fixed to the tracks with one 12x20mm self drilling screw at every second rib.

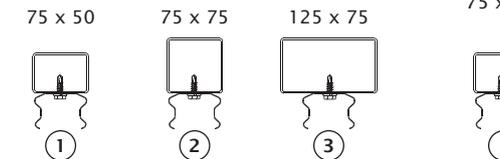
Secure sheet overlap with 3mm rivets mid-span for 900 and 1200mm high fences and with two 3mm rivets evenly spaced for 1500mm and 1800mm high fences.

Posts are to be fixed to each other using 14x22mm self drilling screws at a maximum spacing of 500mm.

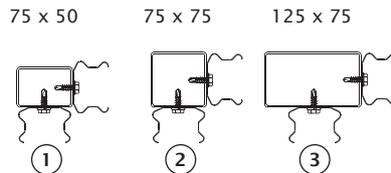
All screws must have Class 4 corrosion resistance.



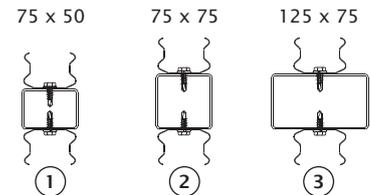
FIXING DETAILS



End Posts



Corner Posts



Internal Posts



WESTERN AUSTRALIA

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