

FNCE

BARRIER

technical drawings & specifications

Barrier FNCE Systems

Barrier products can be used for balustrade, general or pool fencing applications.

All Barrier panel types are engineered to the maximum dimensions shown. Orders can be placed for sizes smaller than the shown with no further engineering or testing required.

Installer to confirm engineer / statutory and local regulatory compliance requirements prior to ordering to ensure compliance for your specific application.

Drawings and measurements provided as a guide only and should not solely be relied upon for your project.

Project specific drawings can be produced on request.

Important compliance considerations:
- 1000mm minimum height for Balustrade compliance

- 1200mm minimum height for Swimming Pool compliance.

All Barrier products are made to order. Contact us today to discuss your project.

Barrier products are engineered and certified to maximum dimensions providing the flexibility to customise the panels to suit your projects needs. No further engineering or testing required for panel size smaller than these maximum dimensions.

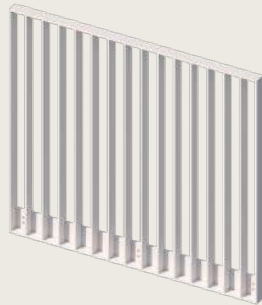
Minimum order quantity applies.

01 – panel types

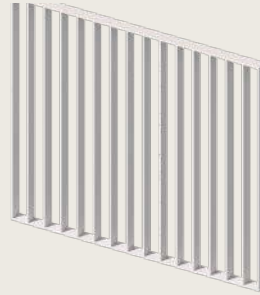
BARRIER PANEL TYPES



**BARRIER STANDARD
PANEL - MAX. 1497mm**



**BARRIER SLAB EDGE
PANEL - MAX. 1497mm**



**BARRIER FULL
PANEL - MAX. 1497mm**



**BARRIER COREHOLE
PANEL - MAX. 1497mm**



CORNER PANEL



CURVED CORNER PANEL

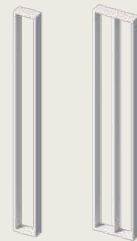
ACCESSORY PIECES



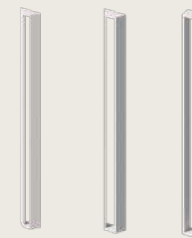
GATE PANEL - 1002mm



END POST | GATE LATCH POST



SPACER PANELS STRAIGHT



SPACER PANEL ANGLES

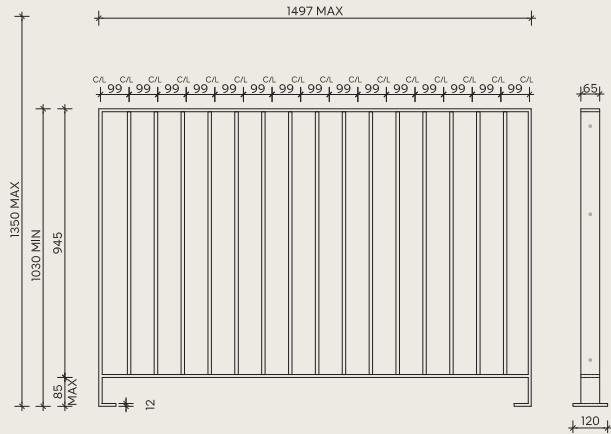
- 10 Year warranty on powdercoat paint finish • 10 Year warranty on Aluminium • 10 Year warranty on Fabrication
- 2 Standard Colours available from the equivalent Interpon Commercial Grade D2525 - Custom colours available on request
- Registered Design Patent - Design No.202115442. Designs Act 2003

 Pearl White - Gloss
-YA075A

 Black Satin- Satin
-YN167A

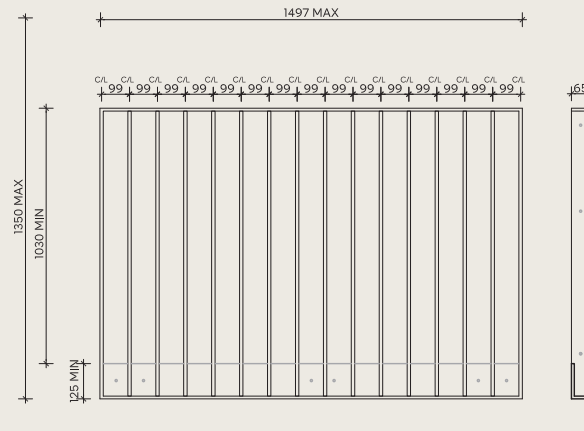


BARRIER PANEL DIMENSIONS



STANDARD PANEL

1030mm min/ 1350mm H max X 1497mmW max.

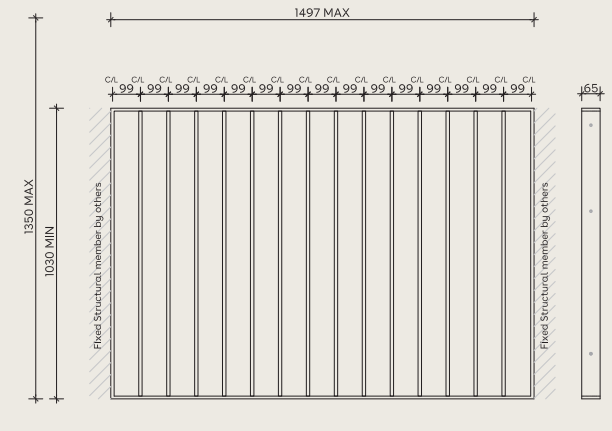


SLAB EDGE PANEL

1030mm min/1350mm H max X 1497mmW max.

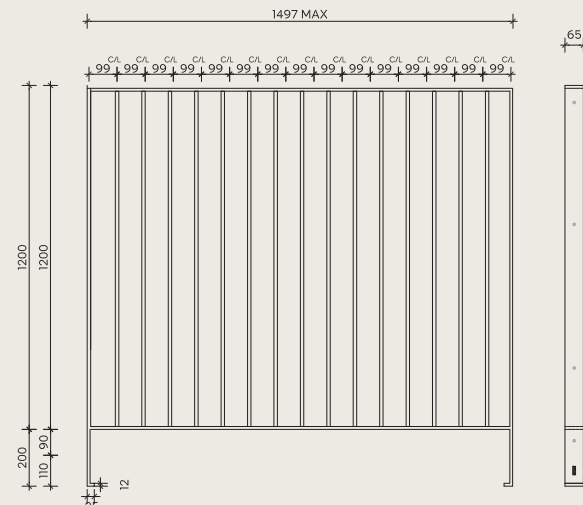
Panel Size <=1200mm, Min 4 Anchors per panel.

Panel size >1200mm, Min 6 Anchors per panel. --600mm Max



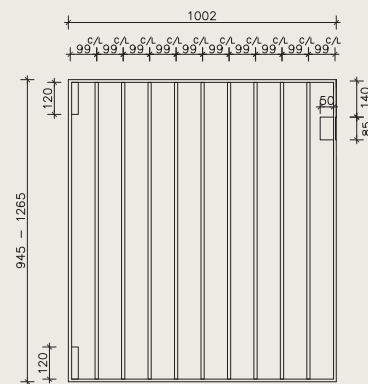
FULL PANEL

1030mm min/1350mm max H X 1497mmW max.



CORE PANEL

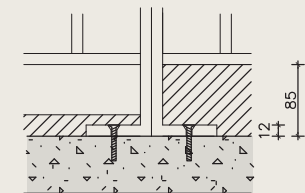
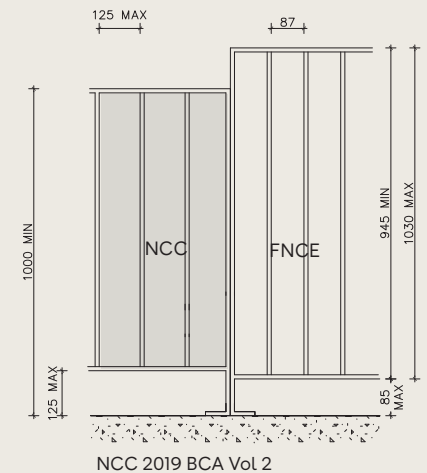
1200mm max/ 1200mm H max X 1497mmW



GATE PANEL

945 - 1265mm H X 1002mm W

DETAIL | NCC 2022 Volumes 2 & 3



Surface Finish zone >85

Maintains compliance with AS1926.1

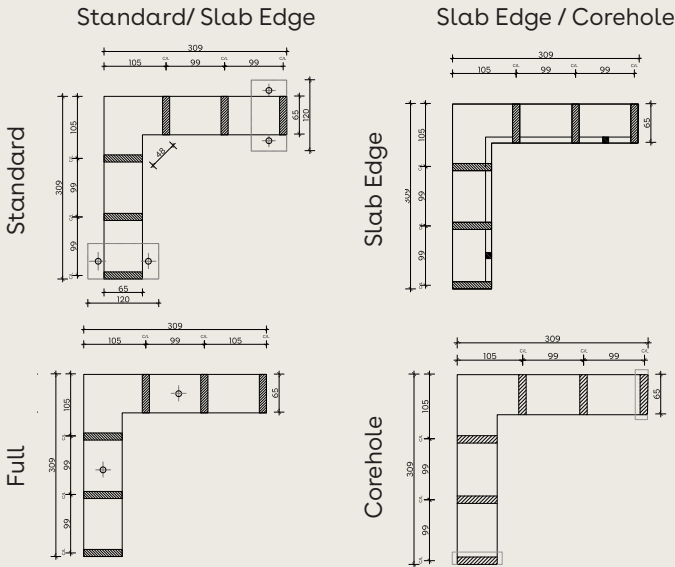
Note: Installer to confirm compliance requirements before placing order.

- Designed in accordance with AS 1926.1 / 1926.2 - 2012, AS/NZS 1170, 1170.1 - 2002 & 1170.2 - 2021. AS/NZS 1664.1 - 1997, NCC 2022 Volumes 2 & 3 / AS 3600 & AS 1720.
- Tested and certified to AS 1926.1 - 2012 Swimming Pool Safety Standards Set, Testing and certification to AS/NZS 1170 & 1170.1 - 2002



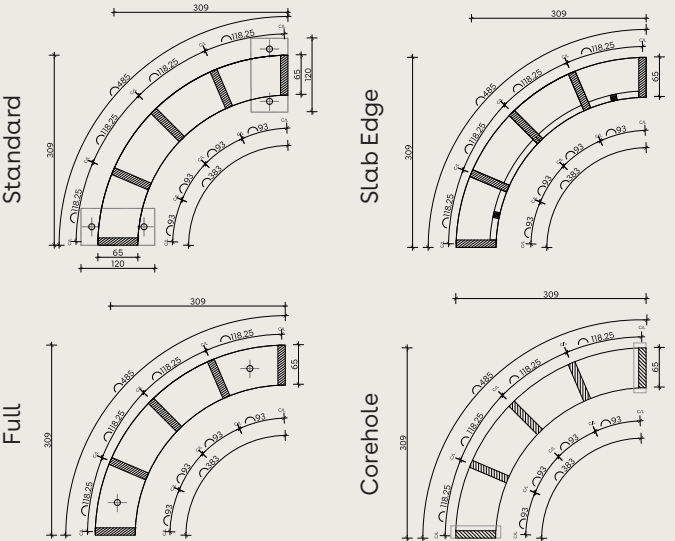
BARRIER PANEL DIMENSIONS

CORNER PANEL

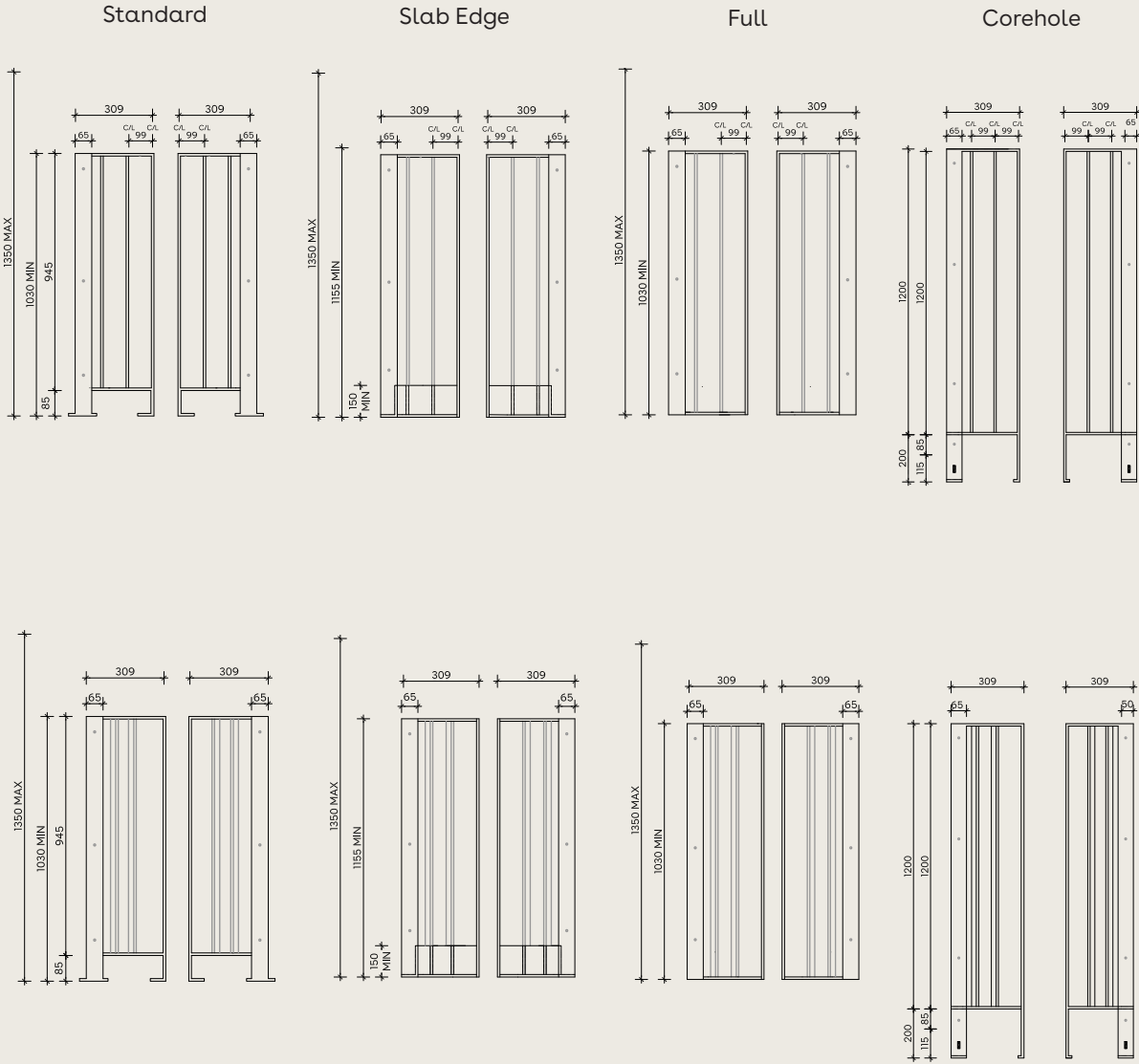


1030mm min/ 1350mm max H X 309mmW X 309mmW
90° Right Angle

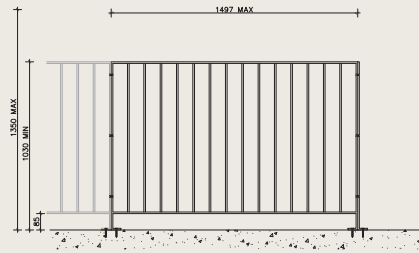
CURVED CORNER PANEL



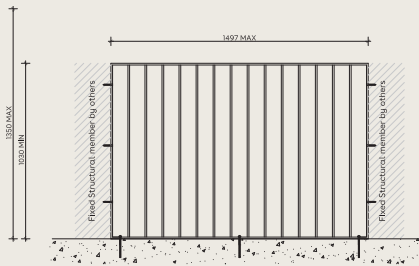
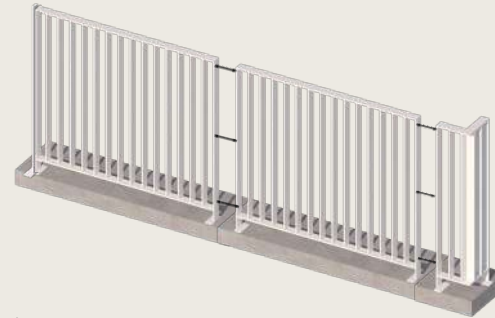
1030mm min/1350mm max H X 309mm
90° curve



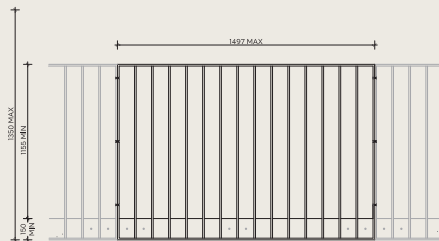
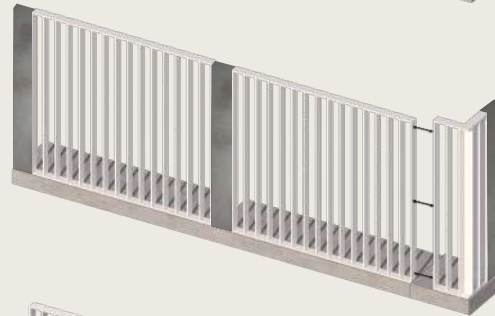
SYSTEM INSTALL OPTIONS



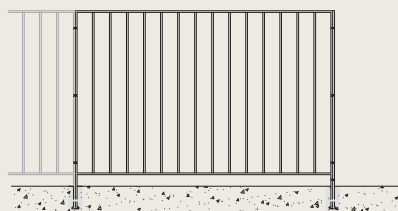
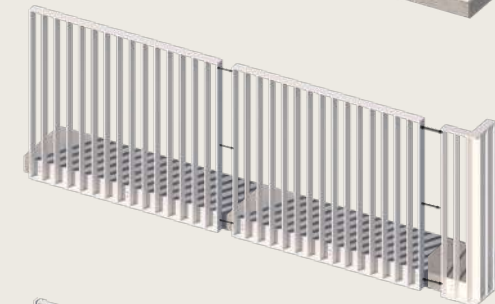
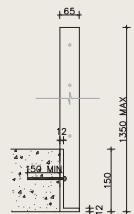
DETAIL | Standard



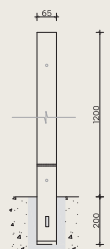
DETAIL | Full Panel



DETAIL | Slab edge

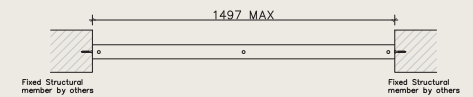


DETAIL | Corehole

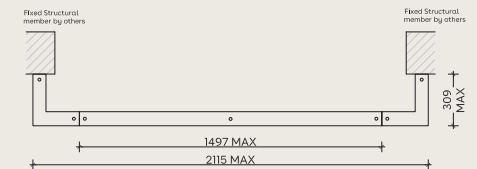


Note: Standard and Core Hole panel types are not free standing.

They must be installed with either an adjoining Fence Panel OR End Post OR Gate & Latch End Post OR Corner Assembly at each end.



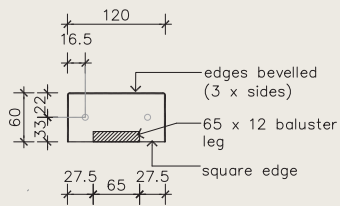
DETAIL | Single panel between fixed structural elements



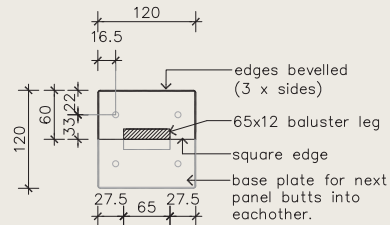
DETAIL | Single panel with corner panels fixed structural elements



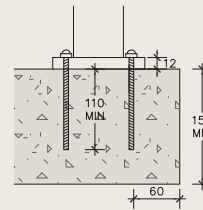
CONNECTION & BASE PLATE FIXING DETAILS



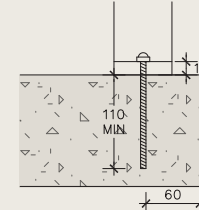
DETAIL | Base Plate Single



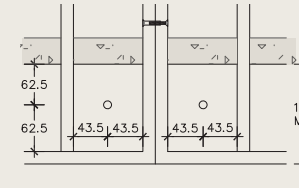
DETAIL | Base Plate Double



DETAIL - BASE PLATE |
Top of Slab

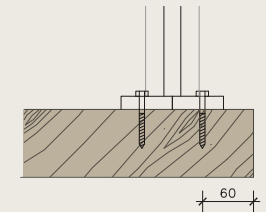


DETAIL | Full Panel Slab Connection

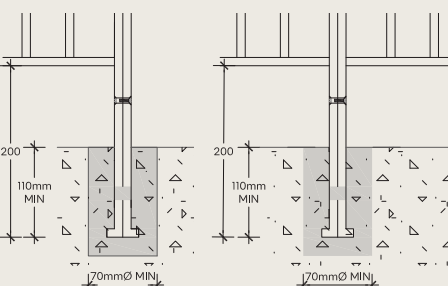
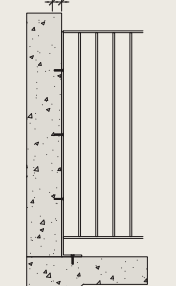
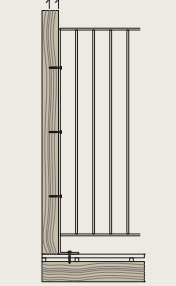
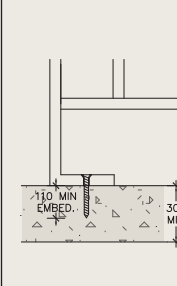
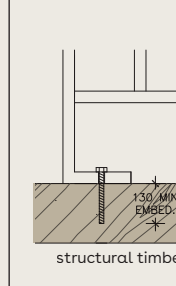
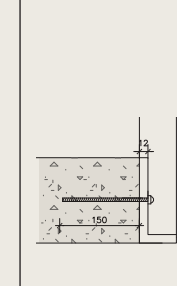
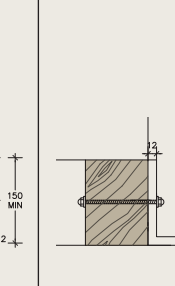
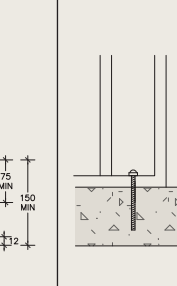
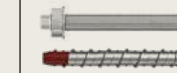
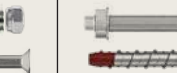


DETAIL - SLAB EDGE |

Connection Panel to Panel



DETAIL - BASE PLATE |
Edge distances

DETAIL 1	DETAIL 2	DETAIL 3	DETAIL 4	DETAIL 5	DETAIL 6	DETAIL 7	DETAIL 8
				 structural timber			
 Class 'C' Non Shrink Cementitious Grout installed in accordance with manufacturer's recommendations and guidelines. Brand / Supplier to the installers recommendations.	 M10 Fischer Ultracut FBS II concrete screws. Min 85mm embedment. OR M8 Hilti HSL4 Expansion anchors with 80mm embedment. OR M10 s.s. rods with Chemset 801 with 110mm embedment.	 M8 Bolt through connection with a 50x50x3 s.s. washer to the underside fixed with s.s. Nyloc Nuts OR M12 Stainless A4-70 G316 Countersunk Coach Screw Min. 130 embedment.	 M10 Fischre Ultracut FBS II concrete screws Min 85mm embedment OR M8 Hilti HSL4 Expansion anchors with 80mm embedment OR M10 s.s. rods with Chemset 801 with 110mm	 M12 Bolt through connection with a 50x50x3 s.s. washer to underside fixed with s.s. Nyloc nuts OR M12 Stainless A4-70 G316 Countersunk Screw Min 130mm embedment.	 M10 Fischre Ultracut FBS II concrete screws Min 85mm embedment OR M8 Hilti HSL4 Expansion anchors with 80mm embedment OR M10 s.s. rods with Chemset 801 with 110mm embedment.	 M12 Bolt through connection with a 50x50x3 s.s. washer to underside fixed with s.s. Nyloc nuts.	 M10 Fischer Ultracut FBS II concrete screws. Min 85mm embedment. OR M8 Hilti HSL4 Expansion anchors with 80mm embedment. OR M10 s.s. rods with Chemset 801 with 110mm embedment.
DETAIL - BASE PLATE Core Hole Installation	DETAIL - END POST Masonry & Timber		DETAIL - BASE PLATE Surface Mount		DETAIL - BASE PLATE Slab Edge		DETAIL - FULL PANEL TO CORNER PANEL CONNECTION Slab Fixing

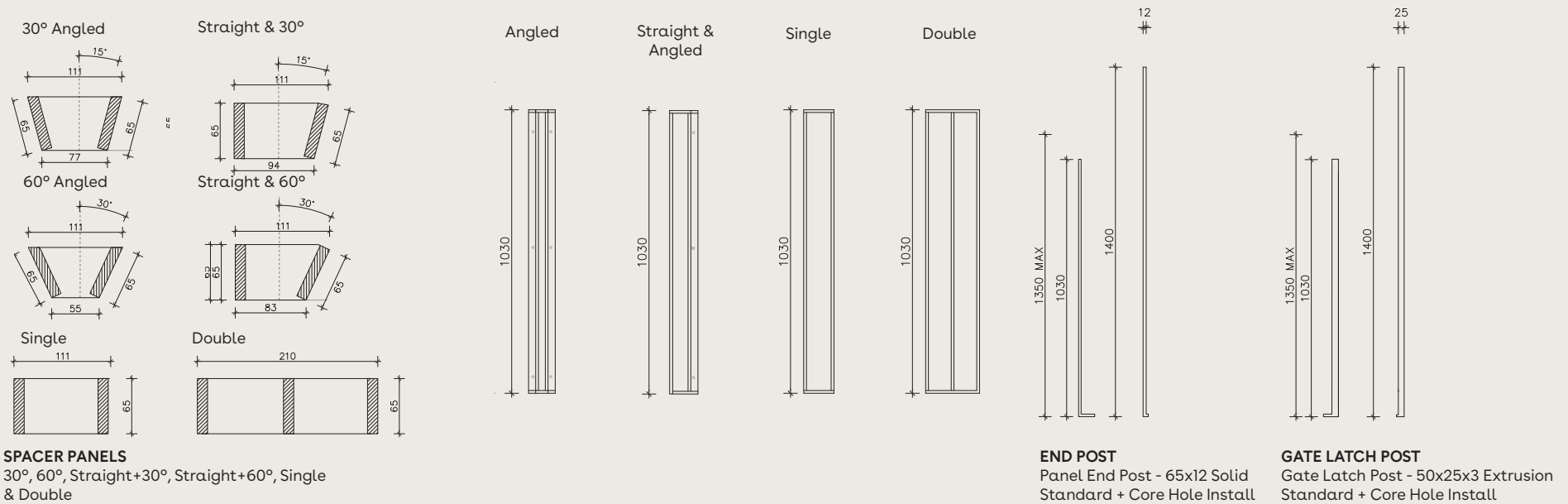
Bearing capacity for all ground conditions around and under footings is to be Min 100Kpa.

Concrete for all slabs and footings - Min 32Mpa. All fixings to be as specified or an approved equivalent and installed in accordance with manufacturers regulations and guidelines.

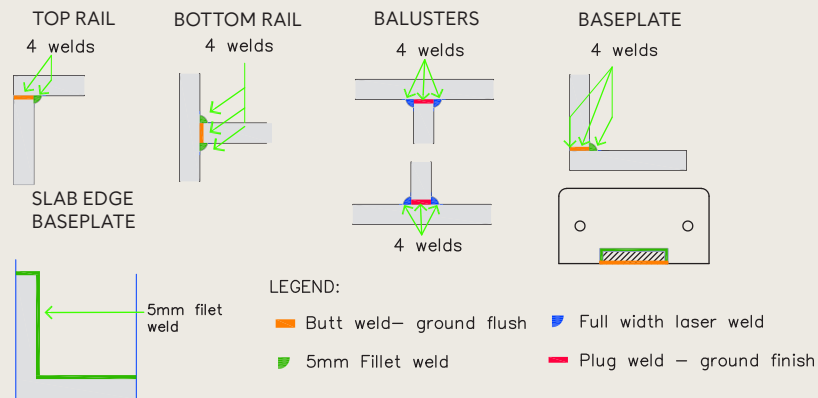
All bolt and screw fixings to comply with edge distances and spacing as per AS1720, Minimum Timber Grade - J4 OR JD4. All fencing must be installed in accordance with these installation guidelines. It is the responsibility of the installer / owner to seek installation compliance with the local authority regulations, guidelines and relevant building codes of Australia. Core holes to be installed with minimum edge distances as per certifying engineer requirements. All installers must hold the appropriate licence to certify installation.



SPACER PANELS, PANEL CONNECTION & TYPICAL WELD DETAILS

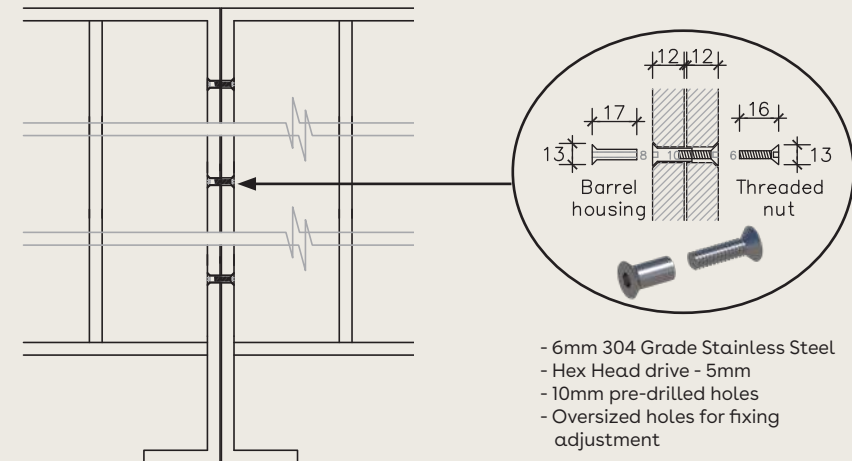


TYPICAL WELD DETAILS



- Barrier FNCE system: 65 x 12
- Perimeter frame, legs, base plate: Solid 65 x 12
- Balusters: 16mm extrusion 65 x 12 x 1.6
- Aluminium Grade - 6061 T6

PANEL CONNECTION BOLTS

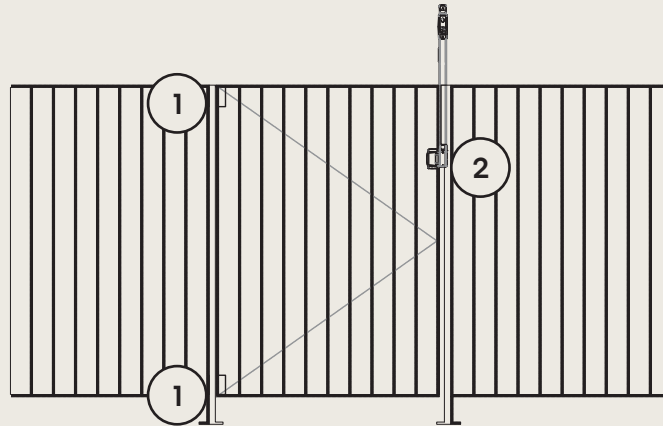


- 6mm 304 Grade Stainless Steel
- Hex Head drive - 5mm
- 10mm pre-drilled holes
- Oversized holes for fixing adjustment

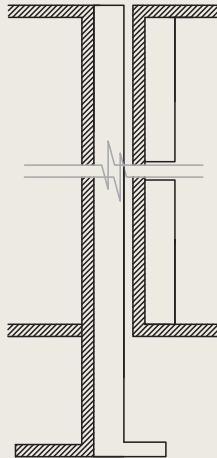
DETAIL | Panel to Panel Fixing Detail



GATE LATCH CONNECTION & FIXING DETAILS



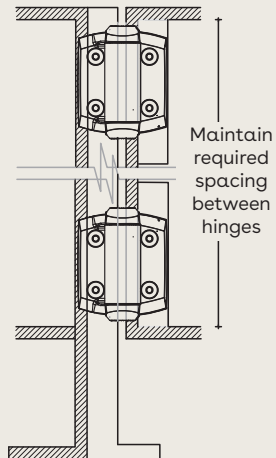
Mark & drill holes for Hinge fixings in required locations



1 DETAIL | Gate Hinges & Gate Latch Post



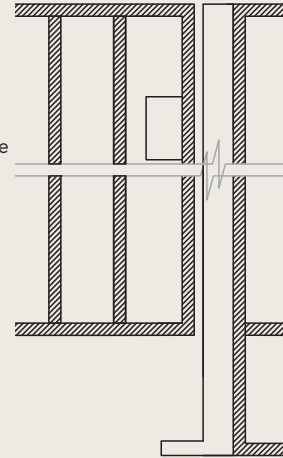
Screw hinges to gate and gate latch post



1 DETAIL | Hinge Installation



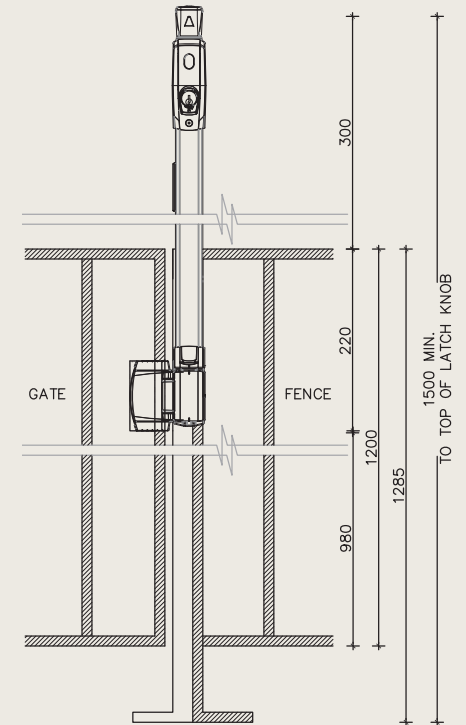
Mark & drill holes in Gate and gate latch post



2 DETAIL | Gate Latch & Gate Latch Post



Screw Gate Latch to gate and gate latch post



2 GATE LATCH | Gate Latch Installation

RECOMMENDED GATE LATCH & HINGE

Magnalatch Series 3 Top Pull Model ML3TP & Trucore Regular TCS153BT

Install using fixings supplied from hinge manufacturer

All Hinge, Latch and Gate accessories are to be installed with the manufacturer's installation guidelines and recommendations

All Hinge, Latch and Gates accessories to be installed in accordance with 1926.1 2012 Swimming Pools Safety Standard Set



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