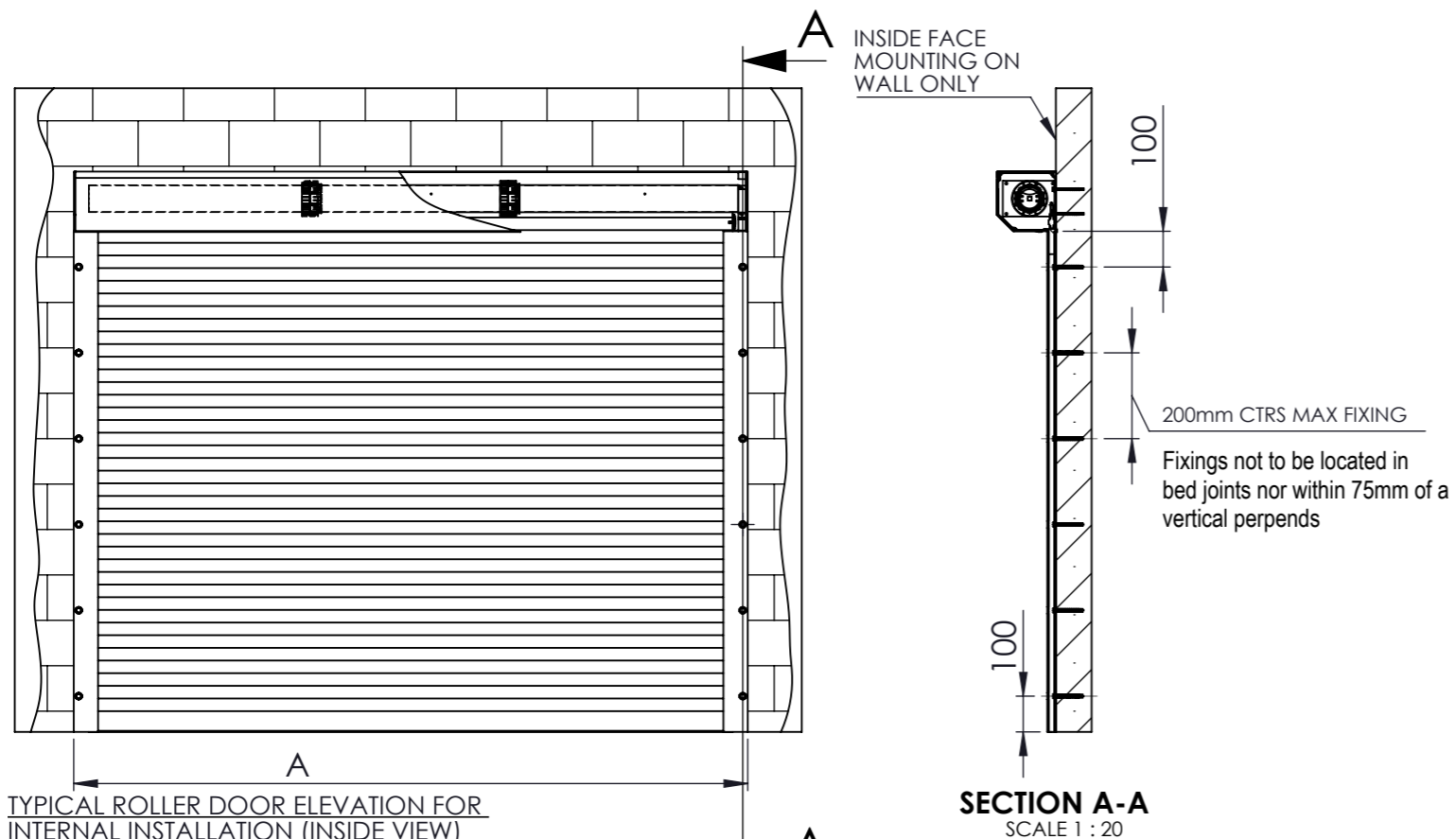


NORTHERN TERRITORY DEEMED TO COMPLY MANUAL – National Construction Code Volume 2 (Section 3.0.4 Structural resistance of materials in high wind areas)

This product has been determined to satisfy NCC Performance Requirement P2.1.1 for structural stability and resistance.



TYPICAL ROLLER DOOR ELEVATION FOR INTERNAL INSTALLATION (INSIDE VIEW)

SCALE 1 : 20

NOTES:

1. DOOR TO BE INSIDE MOUNTED ONLY

SHUTTER WIDTH A (mm)	SITE WIND SPEED v (m/s)	ULTIMATE WIND PRESSURE RATING AS 4055 p (KPa)	JAMB FORCE Fx (KN/m)	JAMB FORCE Fy (KN/m)
1500	83	6.30	10.5	4.7
1500	74	4.96	6.9	3.7
1500	66	3.95	3.9	3.0
1500	61	3.37	2.1	2.5
1500	56	2.84	0.5	2.1
1800	70	4.50	11.2	4.1
1800	66	3.95	9.5	3.6
1800	61	3.37	7.4	3.0
1800	56	2.84	5.4	2.6
2100	63	3.54	12.0	3.7
2100	61	3.37	11.4	3.5
2100	56	2.84	9.1	3.0
2400	58	3.0	12.8	3.6
2400	56	2.84	12.1	3.4

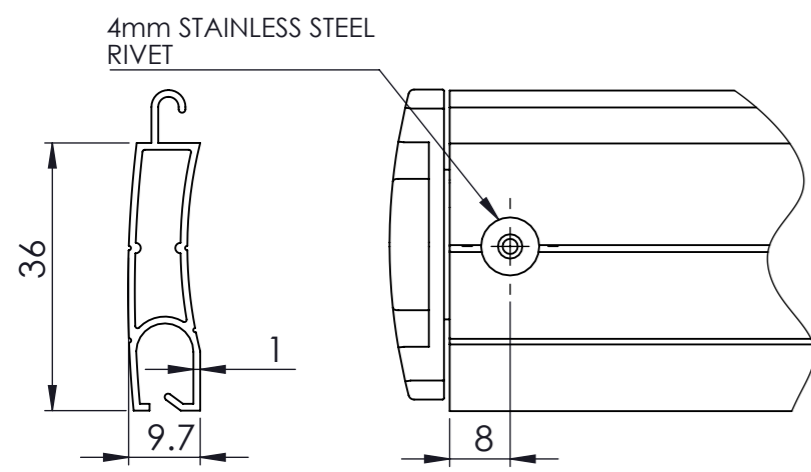
Product Name
CycloneSafe ROLLER DOOR

Product Description
INTERNALLY MOUNTED ROLLER SHUTTER DOORS

Manufacturer's Details
CW PRODUCTS PTY LTD
PH: +61 8 8341 0120

Design Criteria

- Site Wind Speed to be determined in accordance with AS/NZ1170.2-2011, Amdt 1 to 5, Part 2:Wind Loads,
- Design wind loads in accordance with AS/NZS 4505:2012 Garage Doors and Other Large Access Doors
- Cpn = 1.31 (inwards) & 1.51 (outward)
- The supporting jambs of the roller door shall be designed for the Fx and Fy loads as indicated in the table.
- Reaction Loads Fx and Fy are conservatively based on rigid supports.
- Linear Interpolation between adjacent tabled door widths and wind pressures is permitted.
- No extrapolation of any tabled results is permitted.
- The structure to which the door is attached shall be designed and certified independently by a suitably qualified engineer.



36mm EXTRUDED PROFILE SLAT

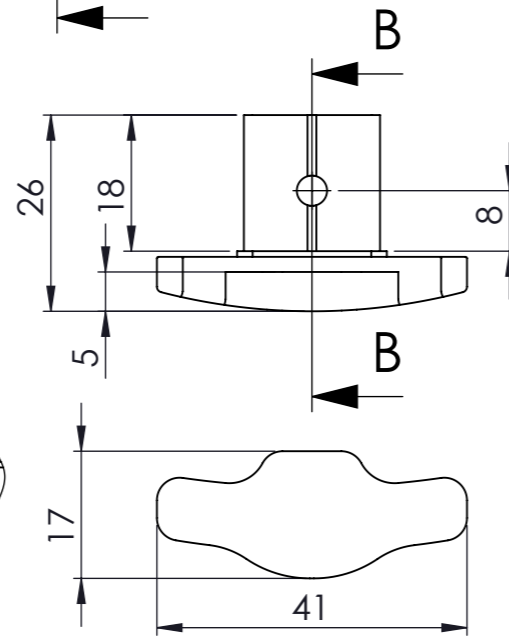
SCALE 1 : 1

NOTES:

1. MATERIAL: 6063 T5 EXTRUSION
2. POWDER COATED

SLAT WITH LOCK

SCALE 1 : 1

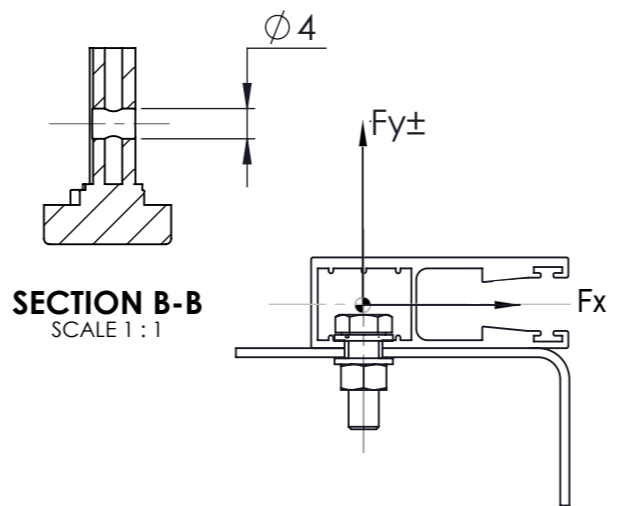


ELEVATION ON SLAT LOCKS

SCALE 1 : 1

NOTES:

1. MATERIAL: NYLON 66 GF 15%



SECTION B-B

SCALE 1 : 1

JAMB FORCES

SCALE 1 : 2

NOTES:

1. DESIGNERS TO NOTE THE Fx AND Fy REQUIREMENTS IN THE STRUCTURAL STRENGTH OF THE JAMB TO WHICH THE GUIDE IS CONNECTED

Limitations

- Impact resistance not assumed in calculations
- Roller Door Guides must be installed with the gap as nominated.
- Proprietary masonry anchors must be installed in accordance with the manufacturers instructions
- Door Height not greater than 3m
- Doors limited to fixing on inside faces of the walls
- For installation on Class 1 & 10a buildings only

Accepted for inclusion in Deemed to Comply Manual

DTCM drawing number: M/734/01

Notes covering basis of DTC (Relevant test reports etc)

The above specification is based on test reports

- No TS878 by JCU Cyclone Testing Station (14/02/2013)
- No 183 by Blanmore Test Laboratories (08/09/2014)

Checking Engineer

Name: Wisnu Lim
Registration Number: 145651ES
Date: 13 Aug 2020
Signature: *[Signature]*

Must be an Australian registered structural engineer

Certifying Engineer

Name: John L Towler
NT Registration Number: 24642ES
Date: 13 Aug 2020
Signature: *[Signature]*

Must be a registered structural engineer in the Northern Territory

Chairperson Signature: *[Signature]*

Chairperson Name: Paul Nowland

Date of Approval: 19/11/2020 Expiry Date: 19/11/2025

NORTHERN TERRITORY DEEMED TO COMPLY MANUAL – National Construction Code Volume 2 (Section 3.0.4 Structural resistance of materials in high wind areas)

This product has been determined to satisfy NCC Performance Requirement P2.1.1 for structural stability and resistance.

Product Name
CycloneSafe ROLLER DOOR

Product Description
INTERNALLY MOUNTED ROLLER SHUTTER DOORS

Manufacturer's Details
CW PRODUCTS PTY LTD
PH: +61 8 8341 0120

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- Reaction Loads Fx and Fy are conservatively based on rigid supports.
- Linear Interpolation between adjacent tabled door widths and wind pressures is permitted.
- No extrapolation of any tabled results is permitted.
- The structure to which the door is attached shall be designed and certified independantly by a suitably qualified engineer.

Limitations

- Impact resistance not assumed in calculations
- Roller Door Guides must be installed with the gap as nominated.
- Proprietary masonry anchors must be installed in accordance with the manufacturers instructions
- Door Height not greater than 3m
- Doors limited to fixing on inside faces of the walls
- For installation on Class 1 & 10a buildings only

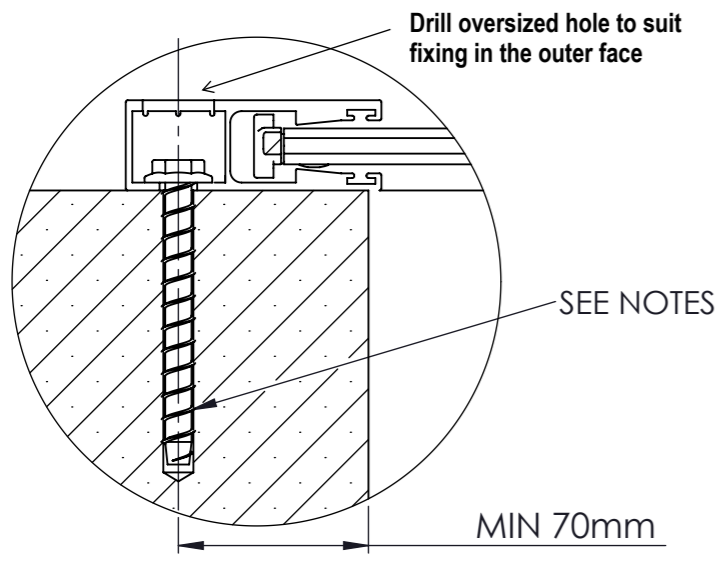
Accepted for inclusion in Deemed to Comply Manual

DTCM drawing number: M/734/02

Chairperson Signature: 

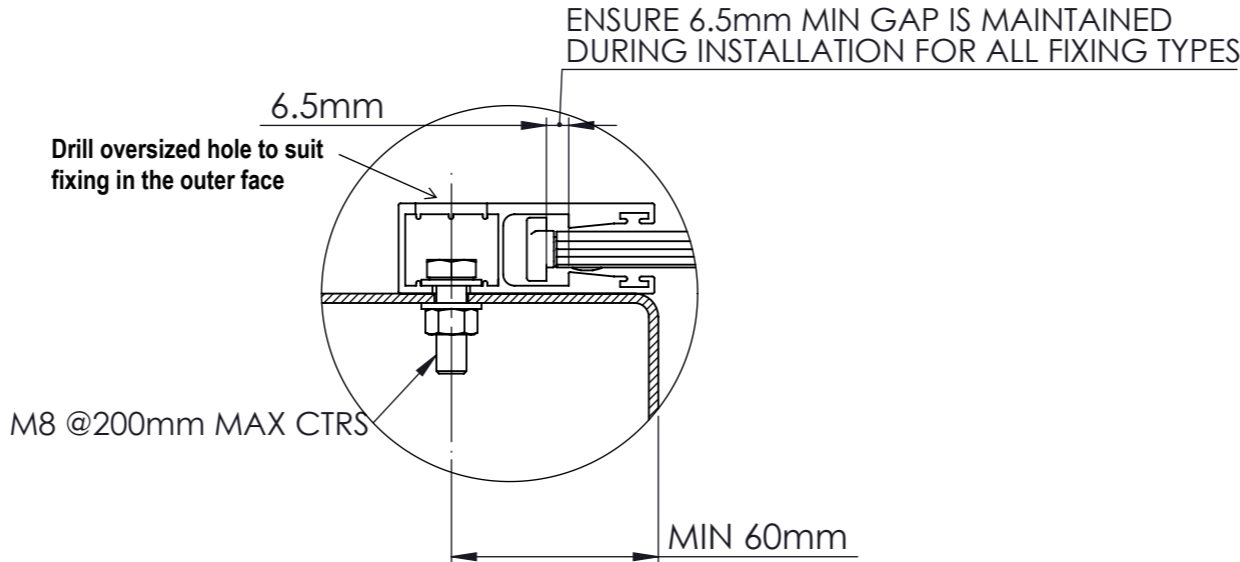
Chairperson Name: Paul Nowland

Date of Approval: 19/11/2020 Expiry Date: 19/11/2025



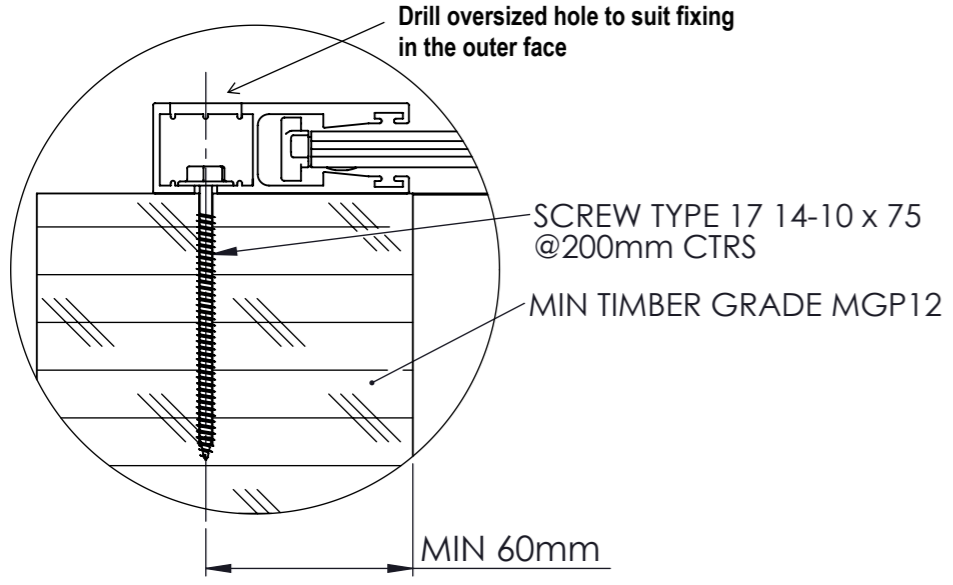
SCREWBOLT FIXING FOR 20 MPa CONCRETE AND 200 SERIES CORE FILLED BLOCK-WORK

DETAIL A
SCALE 1 : 2
NOTES:
1. FIXING TO 20MPa CONCRETE FOR ALL SHUTTER WIDTH'S @200mm CTRS MAX USE M6.5 x 75 SCREWBOLT
2. FIXING TO 200 SERIES CORE FILLED BLOCK-WORK @200mm CTRS MAX USE M6.5 x 75 SCREWBOLT



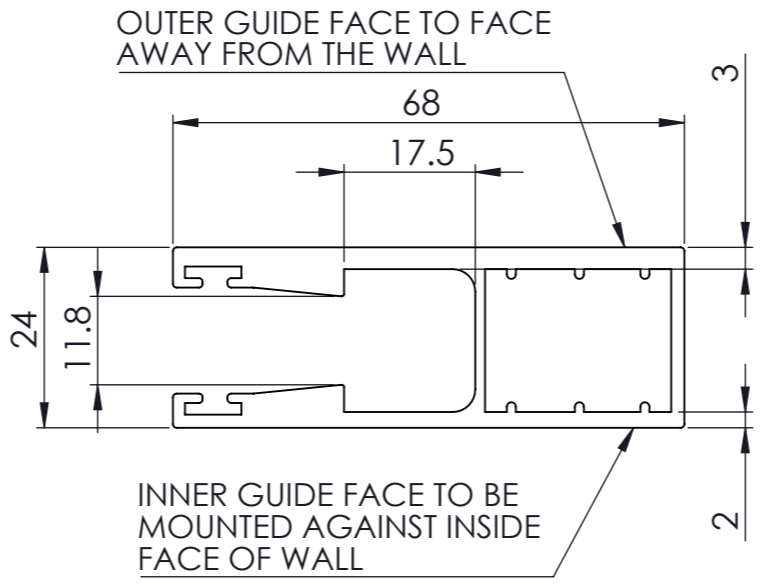
BOLTED CONNECTION TO STEEL

DETAIL B
SCALE 1 : 2
NOTES:
1. FOR ALL DOOR WIDTHS @ 200 mm MAX CTRS
• FIXING TO THICK GRADE RHS STEEL USE SERIES 500 (HEX HEAD) SCREWS
• FIXING TO STEEL 1.5 mm MIN & < 3.0mm THICK USE 14-10 x 25 TEKS
• MIN STEEL GRADE 350 MPa



TYPE 17 SCREW CONNECTION TO TIMBER

DETAIL C
SCALE 1 : 2
NOTES:
1. FIXING TO TIMBER FOR ALL SHUTTER WIDTHS @ 200mm MAX CTRS USE TYPE 17 SCREW 14-10 x 75




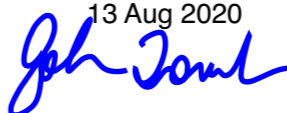
GUIDE PROFILE

SCALE 1 : 1
NOTES:
1. MATERIAL: 6063 T5 EXTRUSION
2. POWDER COATED

Notes covering basis of DTC (Relevant test reports etc)

- The above specification is based on test reports
- No TS878 by JCU Cyclone Testing Station (14/02/2013)
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