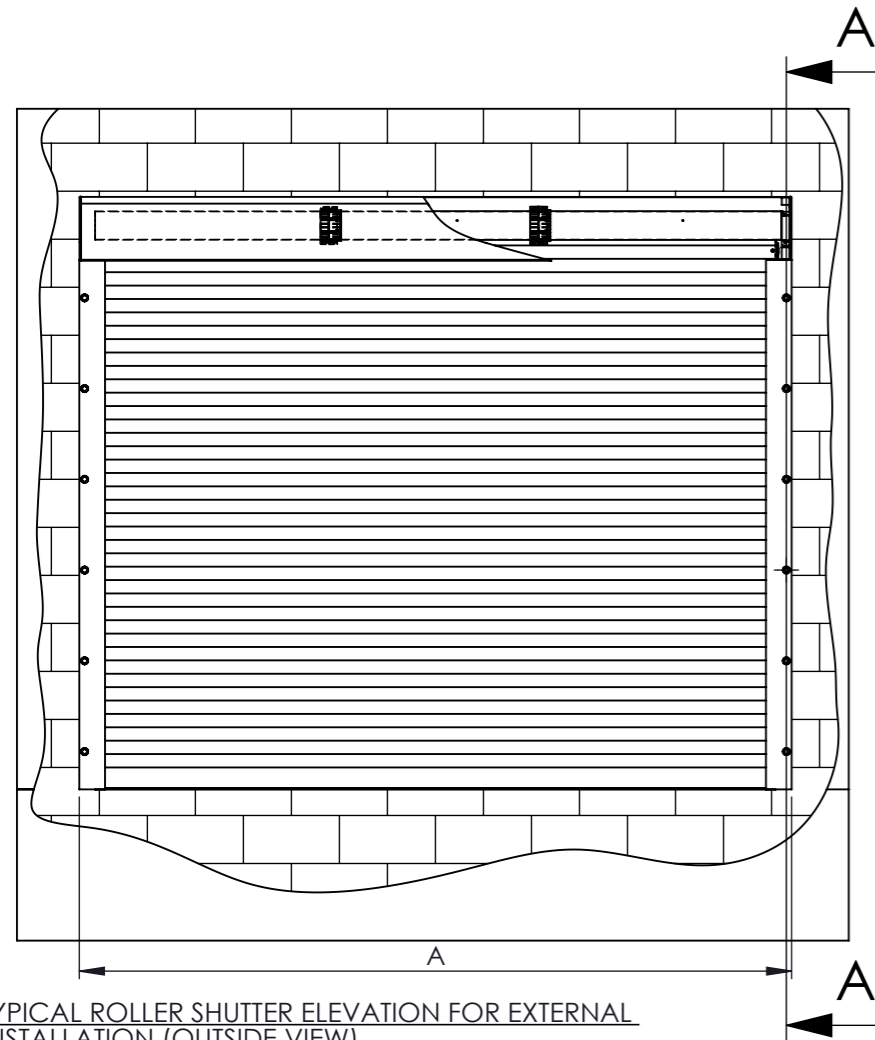
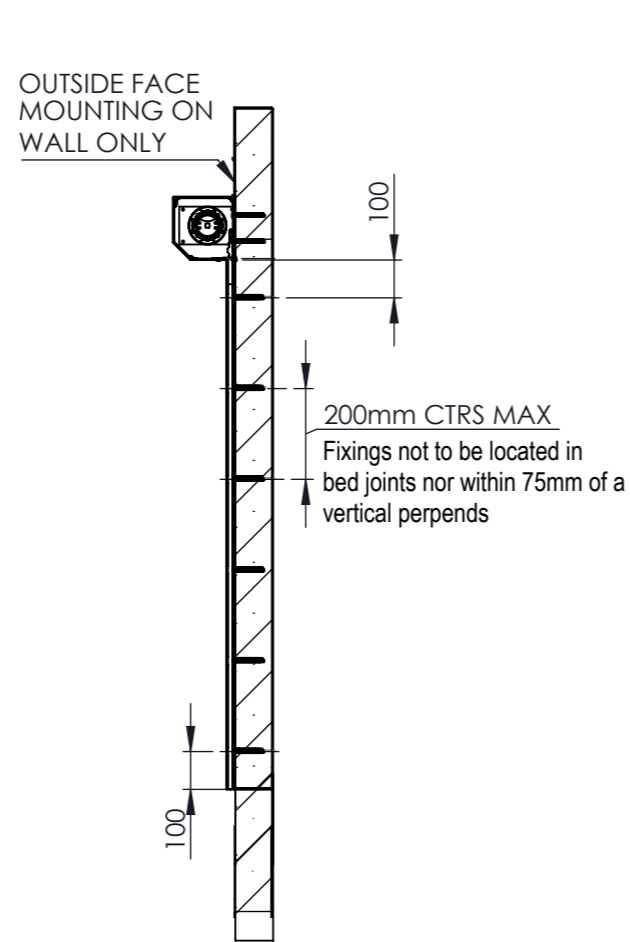


IN ACCORDANCE WITH NCC VOLUME 2 (SECTION P3.10.1). THIS PRODUCT SATISFIES PERFORMANCE REQUIREMENT P2.1.1 FOR CONSTRUCTION IN A HIGH WIND AREA



TYPICAL ROLLER SHUTTER ELEVATION FOR EXTERNAL INSTALLATION (OUTSIDE VIEW)

SCALE 1 : 20



SECTION A-A

SCALE 1 : 20

ROLLER SHUTTER CAPACITY TABLE

SHUTTER WIDTH A (mm)	SITE WIND SPEED v (m/s)	ULTIMATE WIND PRESSURE RATING p (KPa)	JAMB FORCE Fx (KN/m)	JAMB FORCE Fy (KN/m)
1500	78	5.99	8.5	4.2
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	57	3.0	12.8	3.6
2400	56	2.84	12.1	3.4

Product Name

CycloneSafe ROLLER SHUTTER

Product Description

EXTERNALLY MOUNTED ROLLER SHUTTER

Manufacturer's Name

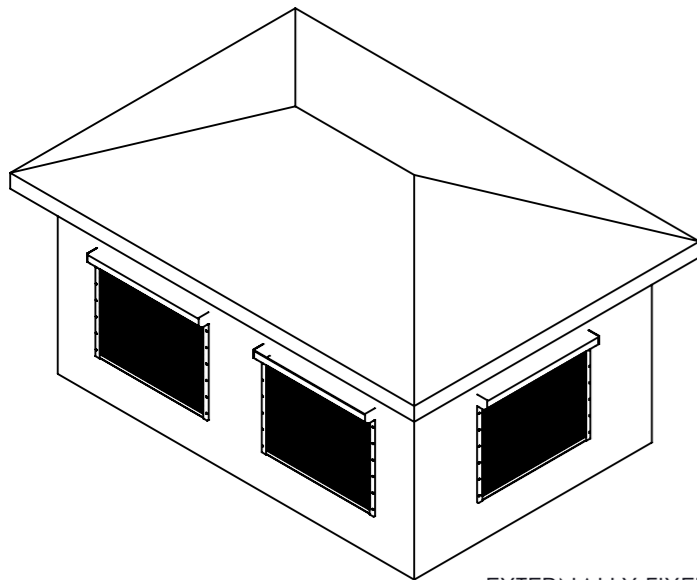
CW PRODUCTS PTY LTD
PH: +61 8 8341 0120

Design Criteria

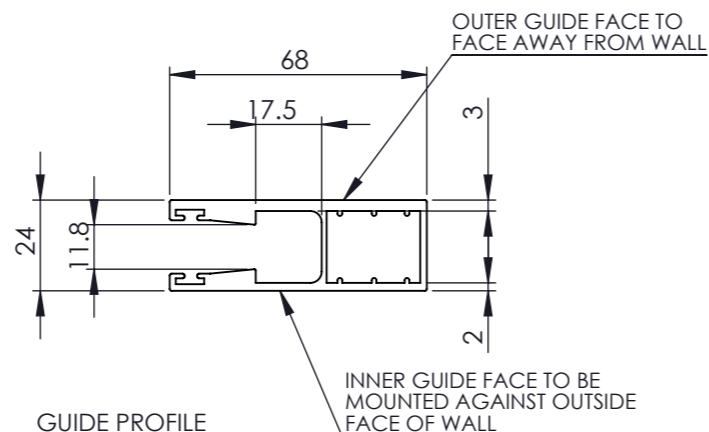
- Site Wind Speed to be determined in accordance with AS/NZ1170.2-2011, Amdt 1 to 5, Part 2: Wind Loads,
- Design wind loads in accordance with AS4505:2012 Garage Doors and Other Large Access Doors
- Cpn = 1.31 (inwards) & 1.51 (outward)
- The supporting jambs of the roller shutter shall be designed 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 shutter widths and wind pressures is permitted.
- No extrapolation of any tabled results is permitted.
- For application on the external face of wall openings.

Limitations

- Impact resistance not assumed in calculations
- Roller shutter guides must be installed with the gap as nominated.
- Proprietary masonry anchors must be installed in accordance with the manufacturers instructions
- Roller Shutter height not greater than 3m
- Roller Shutters limited to fixing on external faces of the walls
- For installation on Class 1 & 10a buildings only



EXTERNALLY FIXED ROLLER SHUTTER FOR USE ON CLASS 1 & 10a BUILDINGS

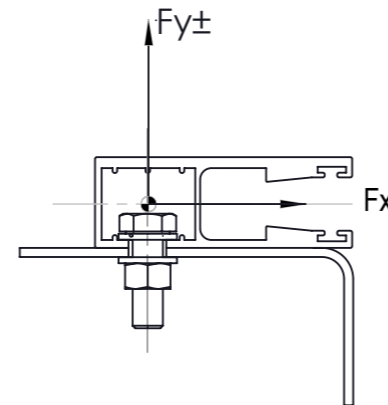


GUIDE PROFILE

SCALE 1 : 2

NOTES:

1. MATERIAL: 6063 T5 EXTRUSION
2. POWDER COATED



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

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 Engineers Certification

Name: Wisnu Lim
NT Rego Number: 145651Es
Date: 26/07/2020
Signature:

**registered as a structural engineer in Northern Territory

**Certifying Engineers Certification

Name: John L Towler
NT Rego Number: 24642ES
Date: 31/07/2020
Signature:

**registered as a structural engineer in Northern Territory

Accepted for Inclusion

DTCM ref: M/735/01

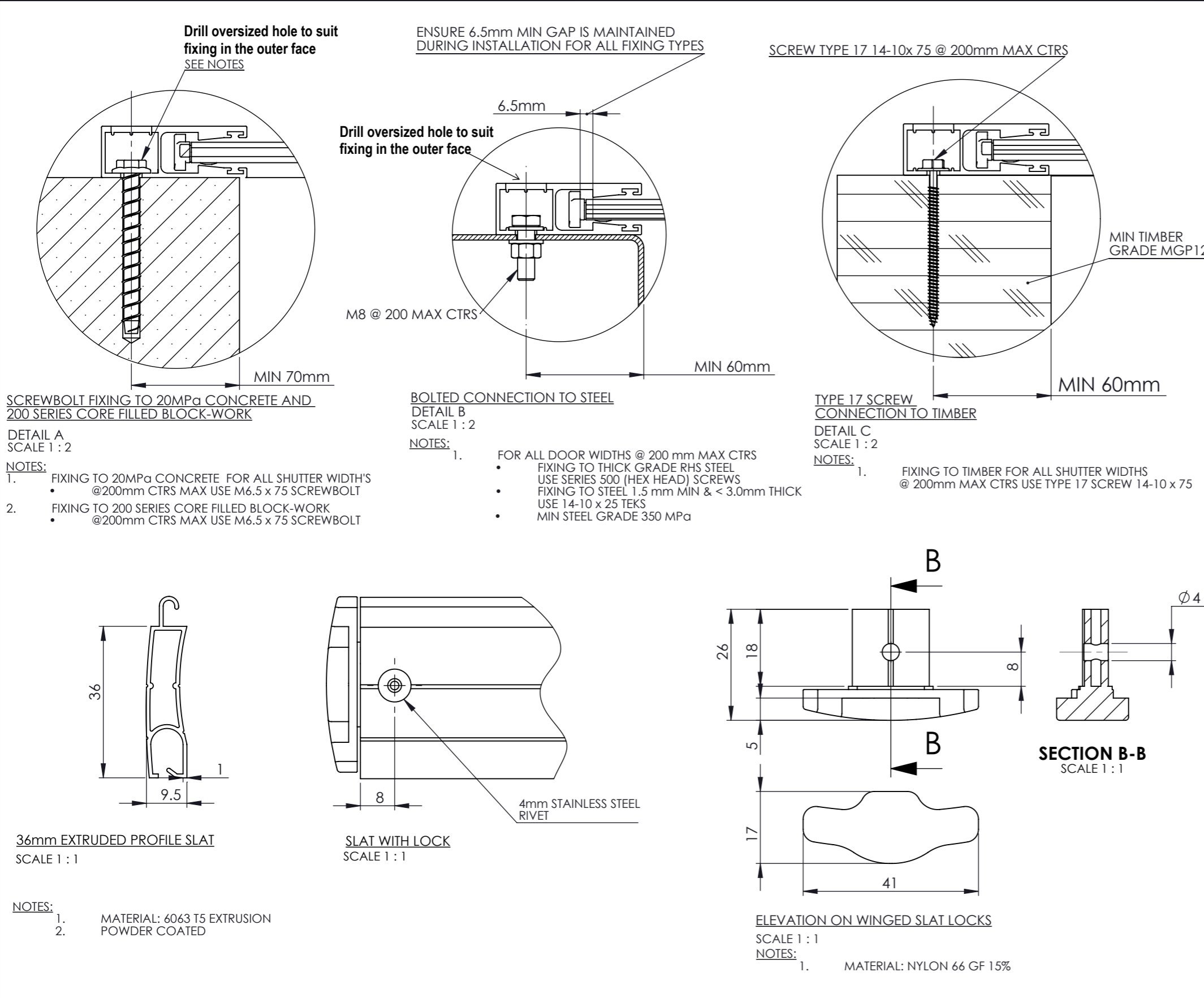
Chairman's Signature:

Chairman's Name: Paul Nowland

Date of Approval: 19/11/2020

Expiry Date: 19/11/2025

IN ACCORDANCE WITH NCC VOLUME 2 (SECTION P3.10.1). THIS PRODUCT SATISFIES PERFORMANCE REQUIREMENT P2.1.1 FOR CONSTRUCTION IN A HIGH WIND AREA



Product Name
CycloneSafe ROLLER SHUTTER

Product Description
EXTERNALLY MOUNTED ROLLER SHUTTER

Manufacturer's Name
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,
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- For application on the external face of wall openings.

Limitations

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- Roller shutter guides must be installed with the gap as nominated.
- Proprietary masonry anchors must be installed in accordance with the manufacturers instructions
- Roller Shutter height not greater than 3m
- Roller Shutters limited to fixing on external faces of the walls
- For installation on Class 1 & 10a buildings only

Accepted for Inclusion

DTCM ref: M/735/02

Notes covering basis of DTC (relevant test reports etc)

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Chairman's Signature:

Chairman's Name: Paul Nowland

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