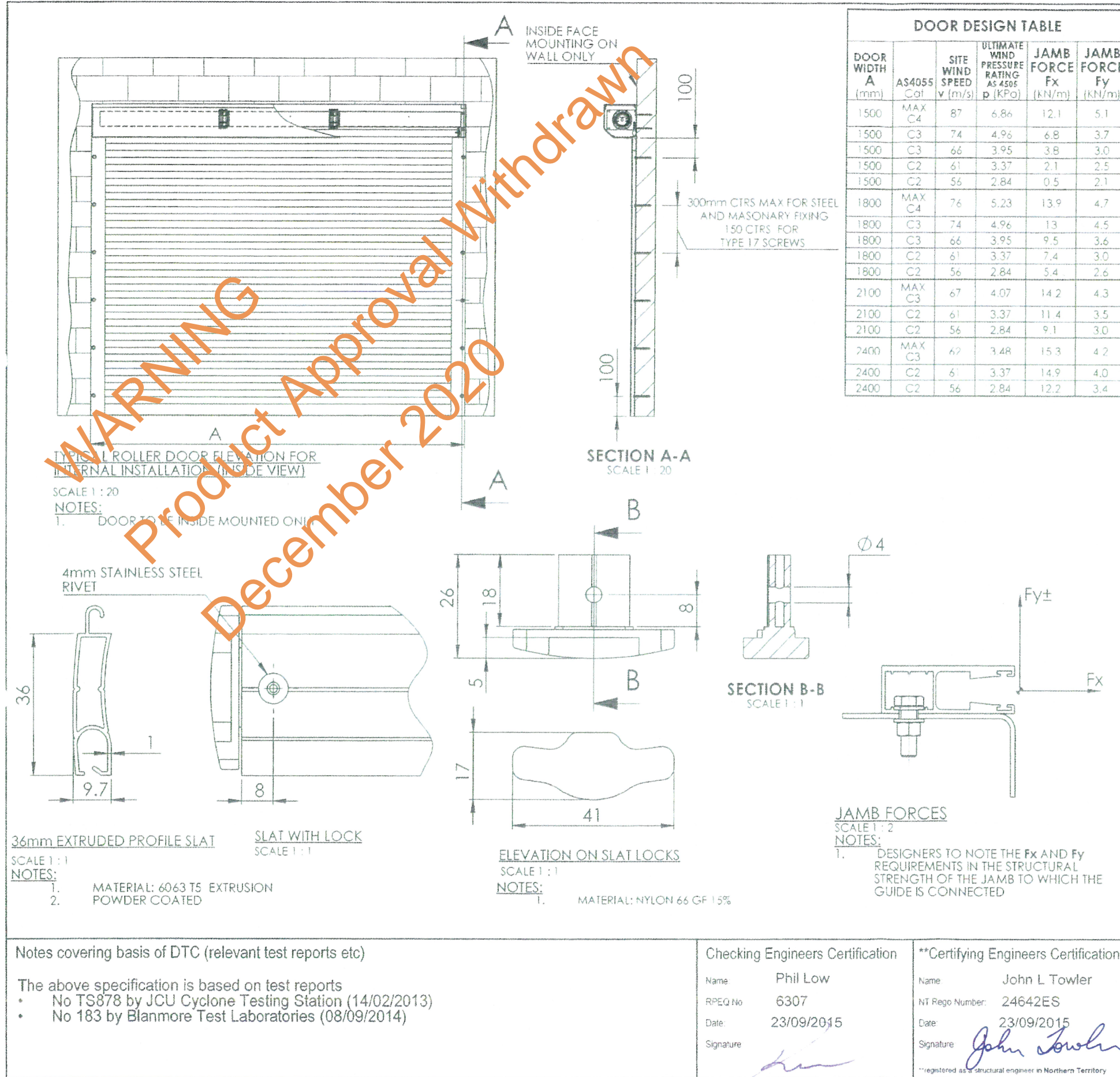


IN ACCORDANCE WITH NCC VOLUME 2 (SECTION P3.10.1). THIS PRODUCT SATISFIES PERFORMANCE REQUIREMENT P2.1.1 FOR CONSTRUCTION IN A HIGH WIND AREA



DOOR DESIGN TABLE					
DOOR WIDTH A (mm)	AS4055 Cat	SITE WIND SPEED v (m/s)	ULTIMATE WIND PRESSURE RATING AS 4505 p (KPa)	JAMB FORCE Fx (kN/m)	JAMB FORCE Fy (kN/m)
1500	MAX C4	87	6.86	12.1	5.1
1500	C3	74	4.96	6.8	3.7
1500	C3	66	3.95	3.8	3.0
1500	C2	61	3.37	2.1	2.5
1500	C2	56	2.84	0.5	2.1
1800	MAX C4	76	5.23	13.9	4.7
1800	C3	74	4.96	13	4.5
1800	C3	66	3.95	9.5	3.6
1800	C2	61	3.37	7.4	3.0
1800	C2	56	2.84	5.4	2.6
2100	MAX C3	67	4.07	14.2	4.3
2100	C2	61	3.37	11.4	3.5
2100	C2	56	2.84	9.1	3.0
2400	MAX C3	62	3.48	15.3	4.2
2400	C2	61	3.37	14.9	4.0
2400	C2	56	2.84	12.2	3.4

Product Name  
CycloneSafe ROLLER DOOR

Product Description  
INTERNALLY MOUNTED ROLLER SHUTTER DOORS

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 3, 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 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.

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

DTCM ref: **M/433/01**

Chairman's Signature:

Chairman's Name: **STEVEN J EHRLICH**

Date of Approval: **3/12/2015**      Expiry Date: **2/12/2020**

Notes covering basis of DTC (relevant test reports etc)

The above specification is based on test reports

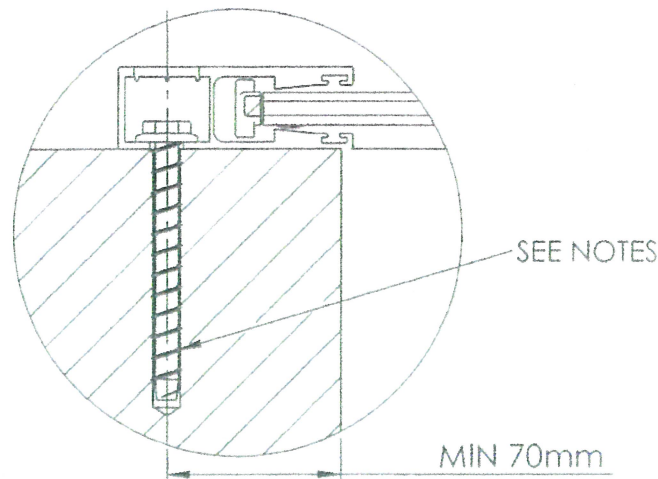
- No TS878 by JCU Cyclone Testing Station (14/02/2013)
- No 183 by Blanmore Test Laboratories (08/09/2014)

Checking Engineers Certification  
Name: Phil Low  
RPEQ No: 6307  
Date: 23/09/2015  
Signature:

\*\*Certifying Engineers Certification  
Name: John L Towler  
NT Rego Number: 24642ES  
Date: 23/09/2015  
Signature:

\*\*registered as a structural engineer in Northern Territory

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



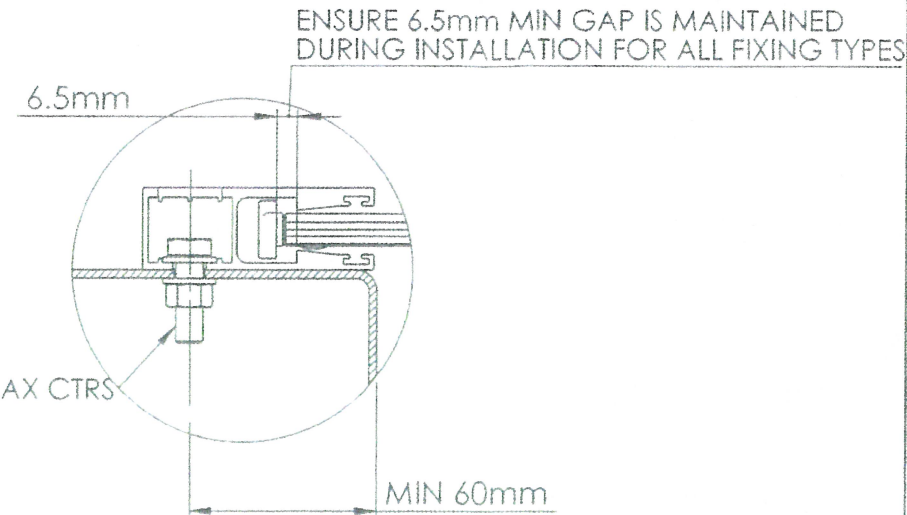
SCREWBOLT FIXING FOR 20 MPa CONCRETE AND 200 SERIES CORE FILLED BLOCK-WORK

DETAIL A  
SCALE 1:2

NOTES:

1. FIXING TO 20MPa CONCRETE USE M6 x 50 SCREWBOLT @ 300mm MAX CTRS
2. FIXING TO 200 SERIES CORE FILLED BLOCK-WORK
  - @ 300mm CTRS MAX USE M8 x 60 SCREWBOLT
  - @ 200mm CTRS MAX USE M6 x 50 SCREWBOLT

M8 @300mm MAX CTRS

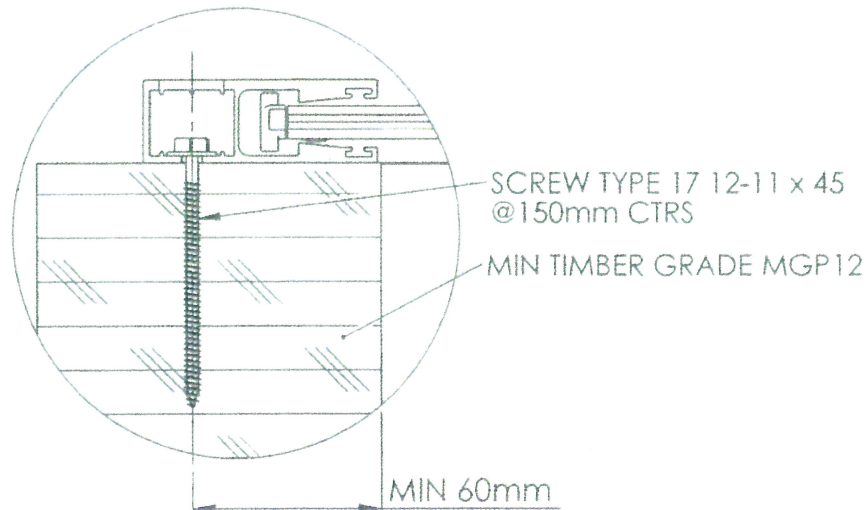


BOLTED CONNECTION TO STEEL

DETAIL B  
SCALE 1:2

NOTES:

1. FOR ALL DOOR WIDTHS @ 300mm MAX CTRS
  - FIXING TO THICK GRADE RHS STEEL USE SERIES 500 (HEX HEAD) SCREWS
  - FIXING TO STEEL <2.4mm THICK USE 14-10 x 20 TEKS

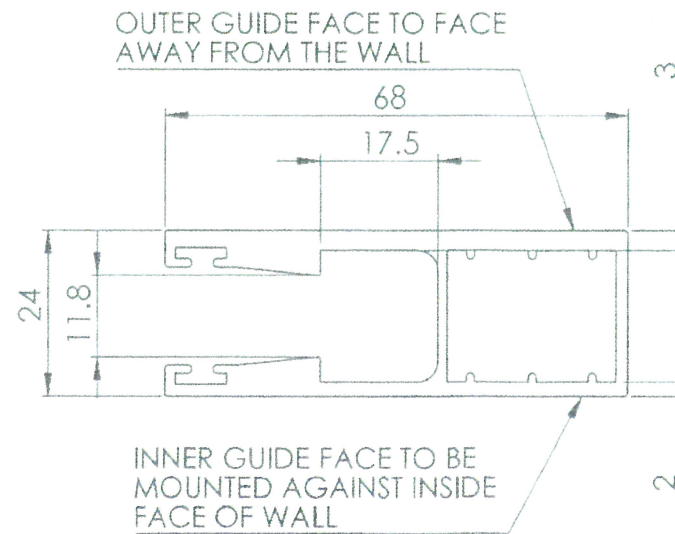


TYPE 17 SCREW CONNECTION TO TIMBER

DETAIL C  
SCALE 1:2

NOTES:

1. FIXING TO TIMBER FOR ALL SHUTTER WIDTHS @ 150mm MAX CTRS USE TYPE 17 SCREW 12-11 x 45



GUIDE PROFILE

SCALE 1:1

NOTES:

1. MATERIAL: 6063 T5 EXTRUSION
2. POWDER COATED

Product Name

CycloneSafe ROLLER DOORS

Product Description

INTERNALLY MOUNTED ROLLER SHUTTER DOORS

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 3, Part 2: Wind Loads.
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Limitations

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- 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

DTCM ref: M1433/02

Chairman's Signature:

Chairman's Name:

STEVEN J FURLICH

Date of Approval: 3/12/2015

Expiry Date: 2/12/2020

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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