

ASSA ABLOY AUSTRALIA
235 Huntingdale Rd
Oakleigh, VIC 3166

TEST REPORT (6394)

Hinged Security Screen Door

FOR

**(Prowler Proof
122 Buchanan Rd
Banyo QLD)**



NATA Accredited Laboratory
Accreditation No.: 14812

This document is issued in accordance with
NATA's accreditation requirements

ENG52 / 9

Report Number: **6394**

Accredited for compliance with **ISO/IEC** Page 1 of 10
17025-Testing This report is to be reproduced in full

Date of Issue: 19/09/2019

Test Report
Hinged Security Screen Door

Test Report Number: 6394	PAM Number: _____
Manufactured By: Prowler Proof	Date of Submission: 18/09/2019
Tested By: D Gough	Date: 18/09/2019
Certified By: C Korvin	Date: 18/09/2019
Witnessed By: A How A Jahed	Date: 18/09/2019

Details of Test Door

Type:	Aluminium hinged security screen door with Protec* perforated aluminium mesh infill
Make or Model:	Prowler Proof- Hinged Security screen Door-Protect*
Sample Number:	PP6-4-00014
Gap Between Door and Mounting Frame:	- Lock side: Less than 1.5mm - Hinge side: Less than 3mm
Frame Size:	2190 H x 1015 W mm
Framing Material:	Treated pine
Constructional Description of Test Security Hinged Door:	
Aluminium hinged security screen door fitted with Protec perforated aluminium mesh infill and Lockwood 8654 multipoint locking system	

Details of Test door Infill

Type and Fabrication Method:	Perforated aluminium mesh infill
Manufacturer's Name / Part Number:	Protect
<u>Type 1 Mesh Infill (if applicable)</u>	
1) Number of Intersected Strands in a 150mm Circle:	_____
2) Breaking Force in Shear of One Strand (min 3kN):	_____
Multiplication of Above Points 1 and 2 (min 30kN):	_____
<u>Type 3 Mesh Infill (if applicable)</u>	
Material Type and Grade:	Aluminium 1.7mm thick 5005-H34
Mass per m² (kg):	Not stated
Knife Shear Test:	Report No RP-KS18-TP-01 by Meshtec 20/11/2018

(Above details supplied by customer not by testing authority)

Test Report Hinged Security Screen Door

Test Rig # S-003.

Dynamic Impact Test – AS 5039/5041-2003

Measurement Before Impact Test at Impact Point (datum reading): 9mm		Pass	Fail
Test	Remarks		
Impact One:	14mm deformation	Y	
Impact Two:	15mm deformation	Y	
Impact Three:	16mm deformation	Y	
Impact Four:	19mm deformation	Y	
Impact Five:	21mm deformation	Y	
150mm Diameter Probe test using R.M.F:			
Infill Type Probe test:	< 3mm pass		

Jemmy Tests – AS 5039/5041-2003

Location	Remarks	Pass	Fail
Centre Locking Point:	625N applied. Strike plate distorted. Still held	Y	
Bottom Locking Point:	606N applied. Strike plate distorted. Still held	Y	
Top Locking Point:	758N applied. Strike plate distorted. Still held	Y	
Centre Hinge:	870N applied. Pierced the extrusion.	Y	
Bottom Hinge	500N applied. Pierced the extrusion	Y	
Top Hinge:	510N applied. Pierced the extrusion	Y	

Infill Pull Tests – AS 5039/5041-2003

Location	A 450mm Maximum	B 150mm Maximum	C 100x100mm Maximum	D	E	Pass	Fail
Centre Grille (1.5kN):	None of these applicable						
Centre Midrail (1.5kN)	"						
Top Corner, Lock Side (1.5kN @ 18°):	"						
Bottom Corner, Lock Side (2.0kN @ 18°):	"						

- A - Maximum size of any gap between grille and grille frame or grille frame and door frame under load (dynamic).
 B - Maximum size of any gap between grille and grille frame or grille frame and door frame after load (static).
 C - The size of any gap caused by the infill breaking away from the security grille framing.
 D - Whether the grille remained in a fixed position.
 E - Whether the locking device maintained the door in a locked position.

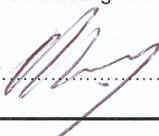
Force Probe Test (type 2 infill material only)

150mm Spherical Probe Test (1.5kN):	Pass		Fail	
Remarks: _____				

Overall Test Pass

Remarks: The test sample passed the requirements of AS5039 and AS5041.

This signature indicates that testing has been conducted in accordance to the current AS 5039 AS5040, AS5041-2003, and test results reflect the test findings.

Authorised Signature  Print Name/ Title **TEST LAB MANAGER** Date **19/9/19**

Identification Details for Security Hinged Door
Submitted for Type Testing in Accordance to AS 5039/5041-2003
 (Informative)

General

Model Number / Name:	Prowler Proof Hinged security screen door
Sample Number:	PP6-4-00014
Manufactured By:	Prowler Proof
Date of Submission:	18/9/2019
Description:	Aluminium framed security hinged door fitted with Protec perforated aluminium mesh infill and Lockwood 8654 multipoint locking system
DRAWINGS: COMPLETE ATTACHED SHEETS (Figure 1 and 2)	
(To show additional specific details of door construction such as internal stiffening, hinging, etc., attach further sheets as necessary)	

Framing Section

Type:	Extruded aluminium		
Manufacturer's-	Name: Capral	Section Number:	P01-000060
Attached Dimensional Drawing-	Number: P01-000060	Issue:	1
Material Type and Grade:	6060 T5		
Surface Finish:	Powder coat		
Mass per Metre Length (kg):	0.636		
Mounting Frame Material:	Treated Pine		
(Attach drawings if necessary)			

Corner Stake

Type:	Not used				
Manufacturer's-	Name:	Section Number:			
Attached Dimensional Drawing-	Number:	Issue:			
Material Type and Grade:					
Surface Finish:	Welded corners of frame				
(If a corner stake is not used, describe the method of joining the frames)					
Fastener Details:					
Type:					
Part Number:					
Material	Alum	St.Steel	Monel	Steel	OTHER
Surface Finish:					
Length and Diameter:					
(Attach drawings if necessary)					

Mid Rail (If applicable)

Type: Not used																			
Manufacturer's-	Name: _____ Section Number: _____																		
Attached Dimensional Drawing-	Number: _____ Issue: _____																		
Material Type and Grade: _____																			
Mass per Meter Length (kg): _____																			
Surface Finish: _____																			
Means of Securing to-	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Frame:</td> <td>Weld</td><td><input type="checkbox"/></td> <td>Screw</td><td><input type="checkbox"/></td> <td>Rivet</td><td><input type="checkbox"/></td> <td>Other</td><td><input type="checkbox"/></td> </tr> <tr> <td>Infill:</td> <td>Weld</td><td><input type="checkbox"/></td> <td>Screw</td><td><input type="checkbox"/></td> <td>Rivet</td><td><input type="checkbox"/></td> <td>Other</td><td><input type="checkbox"/></td> </tr> </table>	Frame:	Weld	<input type="checkbox"/>	Screw	<input type="checkbox"/>	Rivet	<input type="checkbox"/>	Other	<input type="checkbox"/>	Infill:	Weld	<input type="checkbox"/>	Screw	<input type="checkbox"/>	Rivet	<input type="checkbox"/>	Other	<input type="checkbox"/>
	Frame:	Weld	<input type="checkbox"/>	Screw	<input type="checkbox"/>	Rivet	<input type="checkbox"/>	Other	<input type="checkbox"/>										
Infill:	Weld	<input type="checkbox"/>	Screw	<input type="checkbox"/>	Rivet	<input type="checkbox"/>	Other	<input type="checkbox"/>											
(If means of securing is OTHER, submit full details on a separate sheet)																			
Weld Details:																			
Type of Weld and Pattern: _____																			
Fastener Details:																			
Type: _____																			
Part Number: _____																			
Material	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Alum</td><td><input type="checkbox"/></td> <td>St. Steel</td><td><input type="checkbox"/></td> <td>Monel</td><td><input type="checkbox"/></td> <td>Steel</td><td><input type="checkbox"/></td> <td>OTHER</td><td><input type="checkbox"/></td> </tr> </table>	Alum	<input type="checkbox"/>	St. Steel	<input type="checkbox"/>	Monel	<input type="checkbox"/>	Steel	<input type="checkbox"/>	OTHER	<input type="checkbox"/>								
Alum	<input type="checkbox"/>	St. Steel	<input type="checkbox"/>	Monel	<input type="checkbox"/>	Steel	<input type="checkbox"/>	OTHER	<input type="checkbox"/>										
Surface Finish: _____																			
Length and Diameter: _____																			
Number Used and Location: _____																			
(Attach drawings if necessary)																			

Locks

Type: (Description of mechanism including cylinder)	Lockwood 8654 Triple point locking with Euro-cylinder	
Manufacturer's-	Name: ASSA ABLOY	Part Number: SP8654-51
Construction Material-	Body: Diecast zinc/ stainless steel	Striker: Stainless steel
Number of Locking Points:	3	
Handle (furniture) Identification:	102526 Lockwood 8654 standard supplied handles	
Means of Mounting:	Screws x 2	
Mounting Location:	Indicate on figure 1.	

Infill

Type and Fabrication Method:	Protec perforated aluminium mesh infill		
Manufacturer's-	Name: Protec	Part Number:	141635
Attached Dimensional Drawing-	Number:	Issue:	
Material Type and Grade:	1.7mm thick perforated aluminium 5005-H34		
Surface Finish:	Powder coat		
Diameter of Type 3 Infill:	2.4mm holes		
Means of Securing:	<input type="checkbox"/> Weld	<input type="checkbox"/> Screw	<input type="checkbox"/> Rivet
	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> X	
(If means of securing is OTHER, submit full details on a separate sheet)			
<u>Weld Details:</u>			
Type of Weld and Pattern:			
<u>Fastener Details:</u>			
Type:	Mechanically bonded all around frame interior		Part Number:
Material	<input type="checkbox"/> Alum	<input type="checkbox"/> St. Steel	<input type="checkbox"/> Monel
	<input type="checkbox"/> Steel	<input type="checkbox"/> OTHER	<input type="checkbox"/>
Surface Finish:			
Length and Diameter:			
Number Used and Location:	Indicate on figure 2		
(Attach drawings if necessary)			

Hinges

Type:	Lockwood security door hinges SS316		Number Fitted:	3
Manufacturer's-	Name: Lockwood	Part Number:	LW545SS	
Attached Dimensional Drawing-	Number: 141492	Issue:		
Material Type and Grade-	Leaves: Stainless steel 316	Pin:	316 SS	
Surface Finish:				
Means of Securing:	<input type="checkbox"/> Weld	<input type="checkbox"/> Screw	<input checked="" type="checkbox"/> Rivet	<input type="checkbox"/> Other
	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> X	<input type="checkbox"/>
(If means of securing is OTHER, submit full details on a separate sheet)				
<u>Weld Details:</u>				
Type of Weld and Pattern:				
<u>Fastener Details:</u>				
Type:	Blind rivet		Part Number:	100123
Material	<input type="checkbox"/> Alum	<input type="checkbox"/> St. Steel	<input checked="" type="checkbox"/> X	<input type="checkbox"/> Monel
	<input type="checkbox"/> Steel	<input type="checkbox"/> OTHER	<input type="checkbox"/>	<input type="checkbox"/>
Surface Finish:	SS			
Length and Diameter:	7mm x 4mm			
Number Used and Location:	9 total -3 per hinge to door frame			
(indicate on figure 1)				
(Attach drawings if necessary)				

Manufactured By: Prowler Proof

Sample Number: PP6-4-00014

Size of Door and Location of Locking Points, Hinges and Mid-Rail.

All Dimensions in Millimetres.

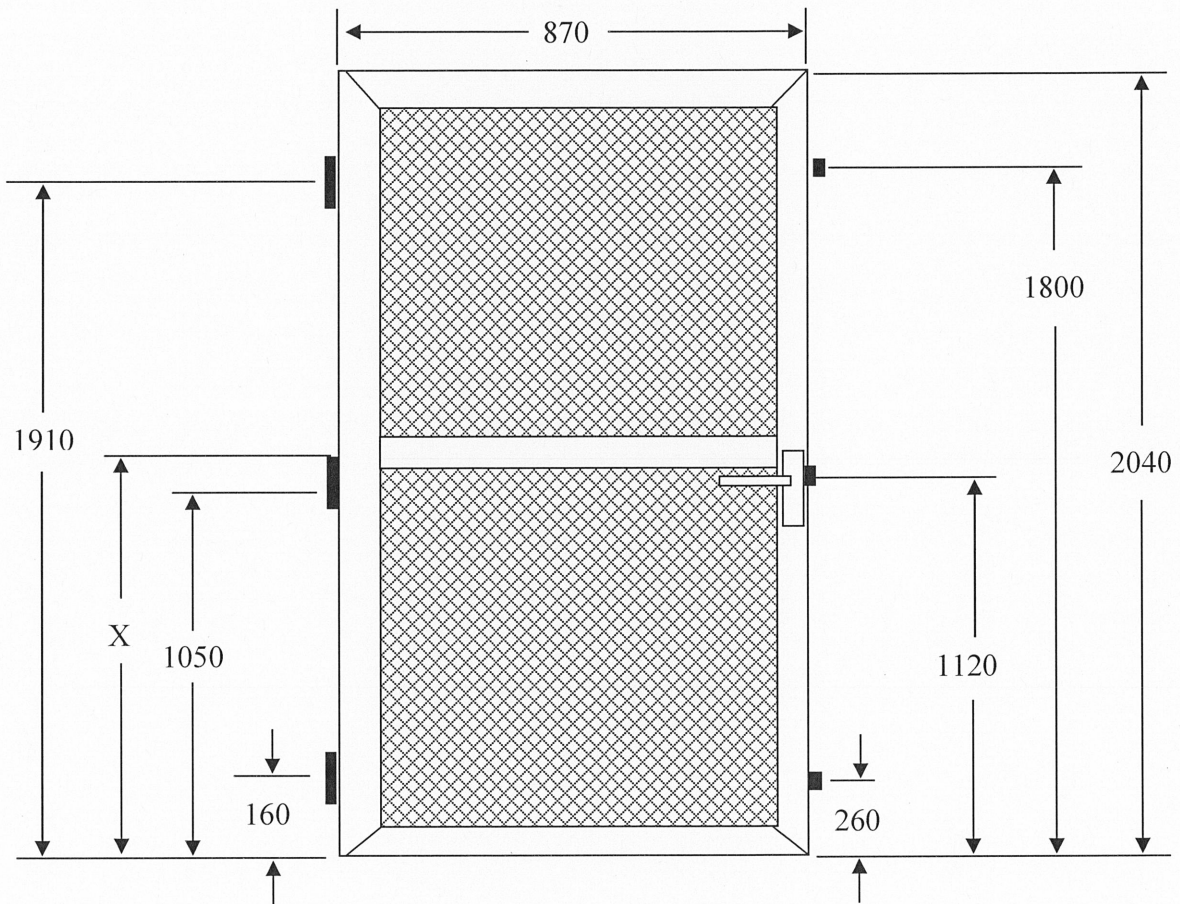


Figure 1

Manufactured By: Prowler Proof

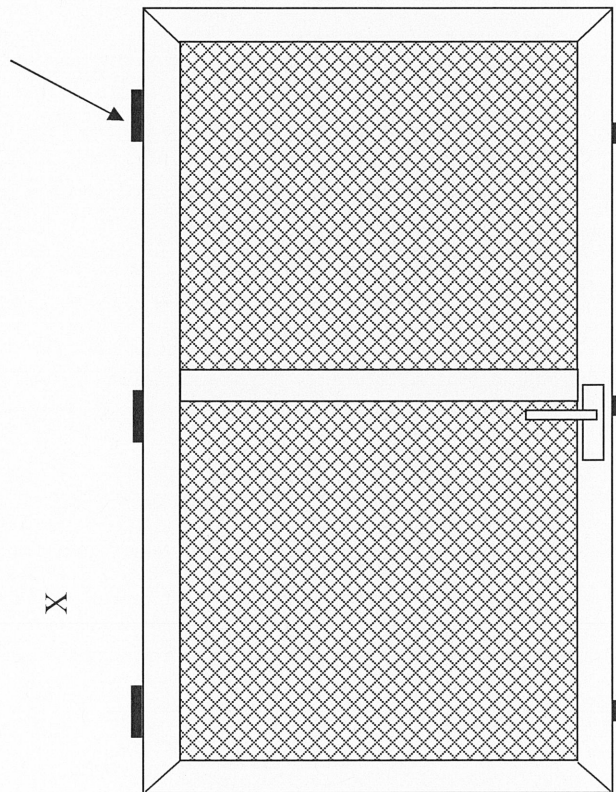
Sample Number: PP6-4-00014

Means of Securing Infill to Framing, Location of Welds / Fasteners

All Dimensions in Millimetres.

Mechanically bonded to frame all around internal perimeter

X



X

X

X

Figure 2

Test Report

Knife Shear Test

Report No.: RP-KS18-TP-01

Date of Received: 20 / November / 2018 Date of Test: 20 / November / 2018
 Sample Name: Perforated sheet
 Sample Number: KS18-TP-01 (Aluminum perforate thickness 1.6mm.)
 Customer name/ address: N/A
 Test method: In-house method base on AS 5041: 2003

Pre-Test visual check (Tick box if ok)

- to make sure regulator seals are not broken/ PM check before test
- machine force/ pressure apparatus ready for test

Calibrated by: NIMT

%Humidity = 66 % (Less than 80%)

Certificated No.: MFT-0138-18

Temp.= 24 °C At time= 09.30 A.M.

Expiry dates: 24 / May / 2020

(23± 5°C for force gauge)

RESULTS

	Length of completed Penetration (mm)	New Blade used (Yes/ No)
Test No 1	<u>7.56 mm. (2 lines)</u>	<u>YES</u>
Test No 2	<u>2.46 mm. (1 line)</u>	<u>YES</u>
Test No 3	<u>2.50 mm. (1 line)</u>	<u>YES</u>



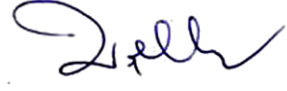
Observations: Test stroke 1 wire penetration 7.56 mm. (2 lines), Stroke 2 wire penetration 2.46 mm. (1 line)

Stroke 3 wire penetration 2.50 mm. (1 line); Total wire penetration = 12.52 mm. (4 lines).

- AS 5041 requires continuous penetration to be less than 150 mm after the third test.
- Uncertainty of test method = N/A mm

PASS / ~~FAIL~~

NOTE: Cross out whichever does not apply.

<p>Tested by</p>  <p>Name: <u>Jakkrit Udom</u> Date: <u>20 / November / 2018</u></p>	<p>Reviewed by</p>  <p>Name: <u>Kritsada Wongwan</u> Date: <u>20 / November / 2018</u></p>	<p>Approved by</p>  <p>Name: <u>Wichian Kaewnasri</u> Date: <u>20 / November / 2018</u></p>
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----- End of Report -----

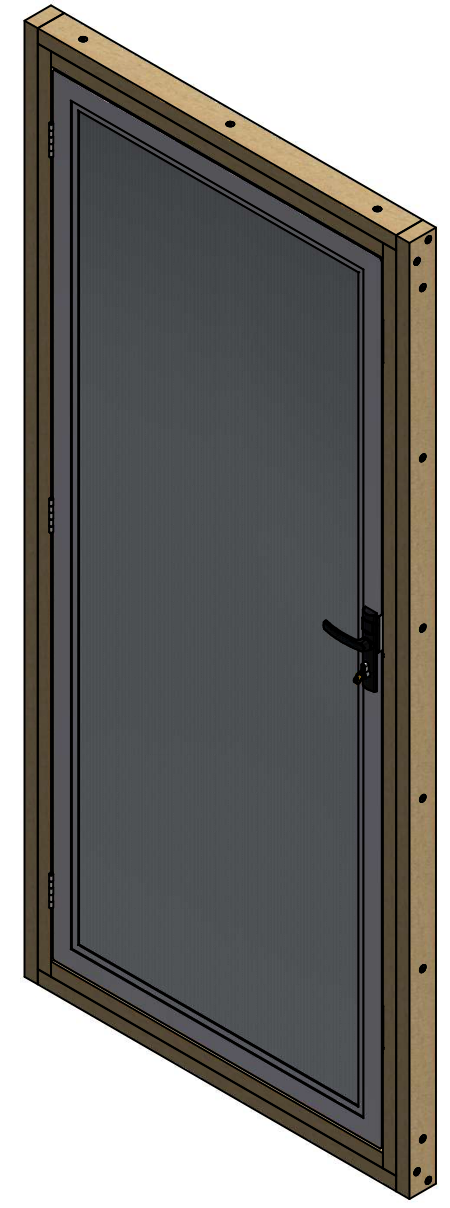
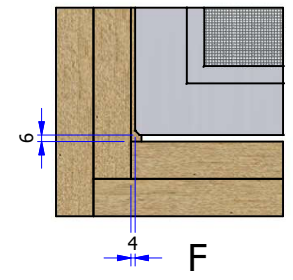
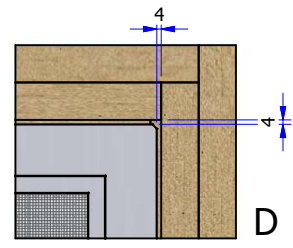
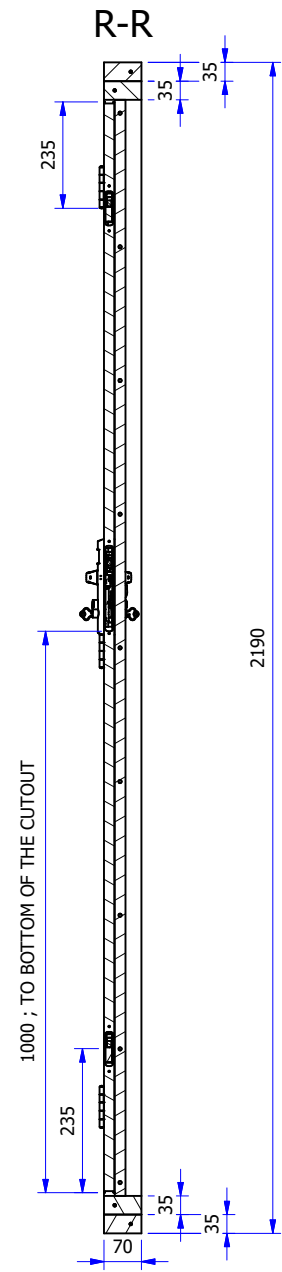
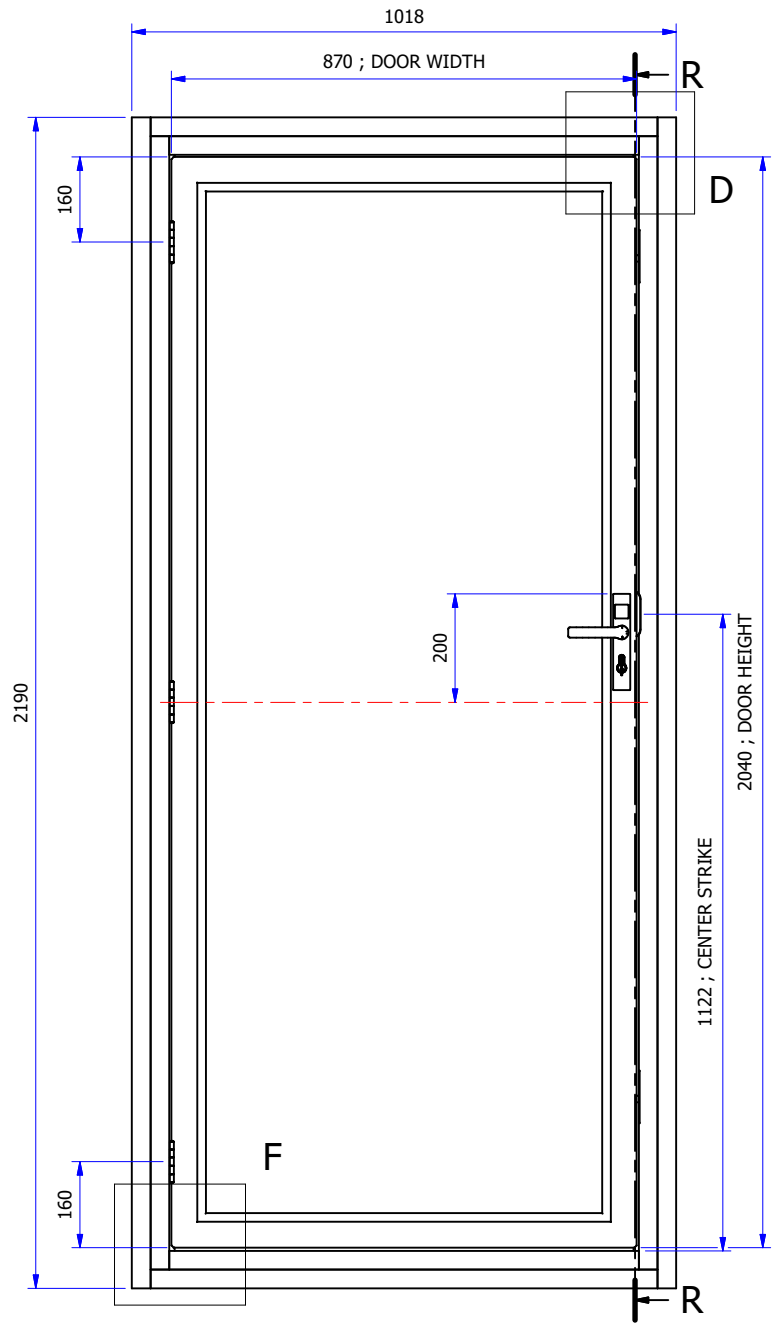
BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
1	1	PINE TEST FRAME - HINGED DOOR
2	1	DOOR-HINGED-3 POINT

A

B

C

D



A

B

C

D

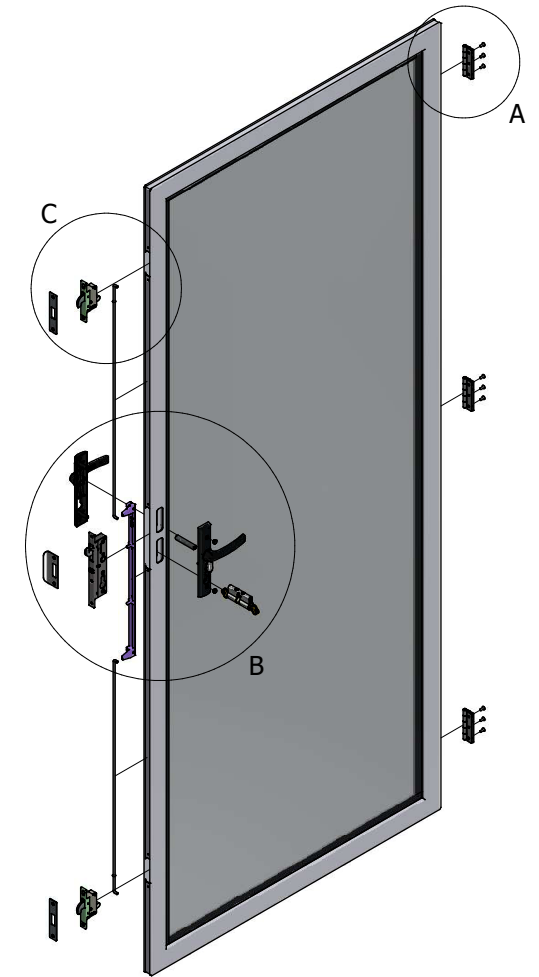
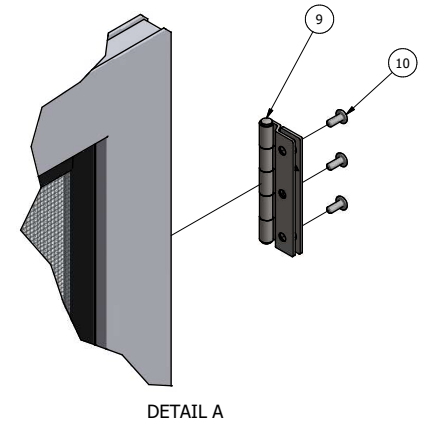
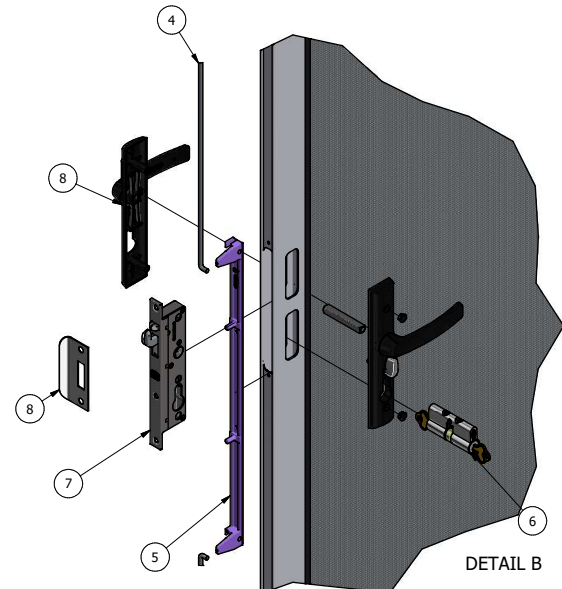
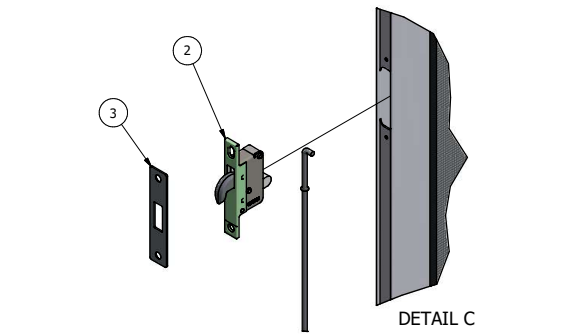
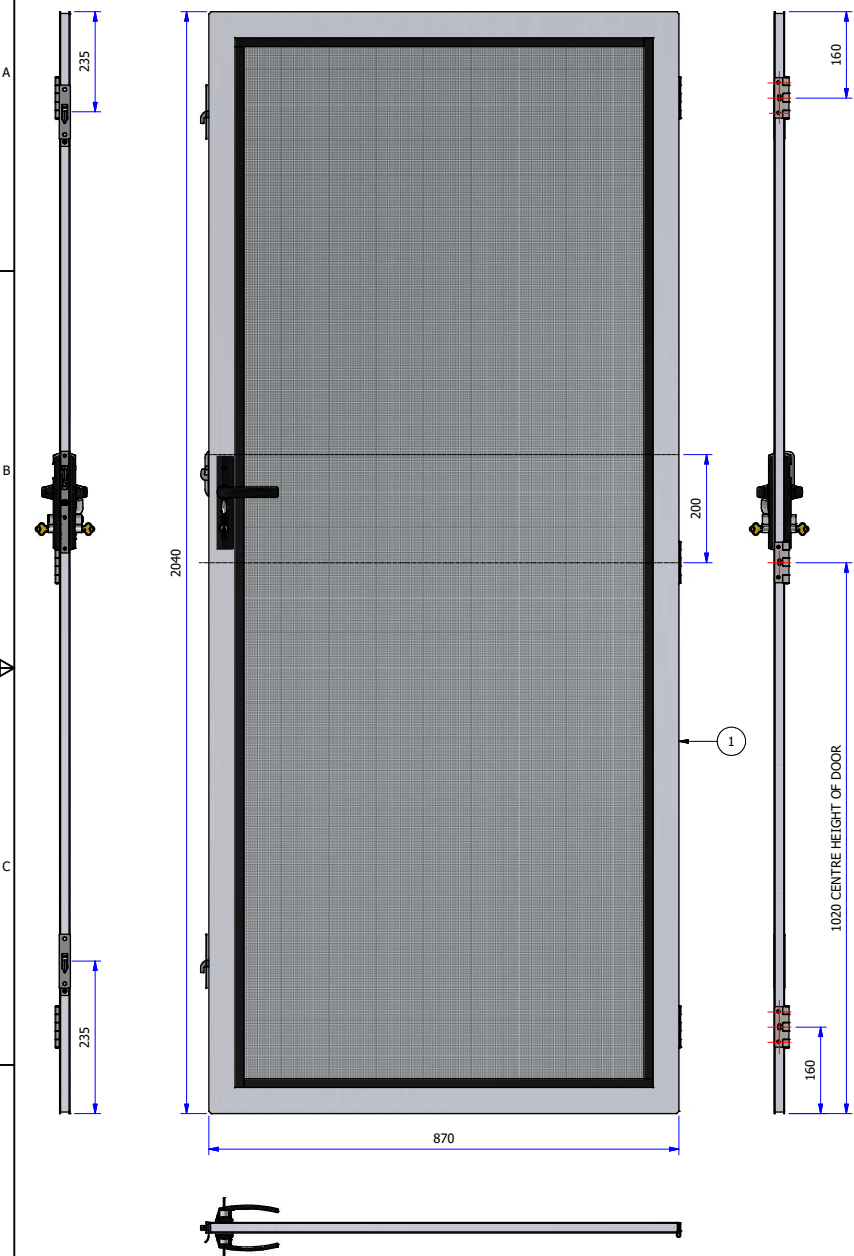


Prowler Proof
 Gershwin Pty Ltd
 122 BUCHANAN RD
 BANYO, QLD. 4014
 PH: +61 7 3363 0666
 FAX: +61 7 3267 5411

DATE 8/08/2019	DRAWING NUMBER PP6-4-00014	NAV CODE	REV A
DRAWN AliJahed	DESCRIPTION AS5039 SECURITY TEST-HINGED DOOR-PROTEC MESH		
3RD ANGLE	MACHINE FINISHES = 3.2 ✓		

UNLESS OTHERWISE SPECIFIED X = ±1mm ALL DIMENSIONS IN MILLIMETERS
 X.X = ±0.5mm ALL THREAD TO BE METRIC COARSE
 X.XX = ±0.25mm ALL WELDS TO AS1554
 ANG = ±0.5° ALL BURRS & SHARP EDGES TO BE REMOVED

BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
1	1	DOOR EXCL FURNITURE-HINGED-3 POINT
2	2	LOCK-AUX-3 POINT
3	1	KIT-AUX STRIKER-3 POINT
4	2	KIT-CONNECTING ROD-600mm AUX LOCK
5	1	ACTUATING BAR-AUX LOCK
6	1	CYLINDER-LOCKWOOD-5 PIN
7	1	LOCK BODY-LOCKWOOD-8654
8	1	KIT-FURNITURE-LOCKWOOD-8654-57
9	3	Lockwood - Security Door Hinge SS316
10	9	RIVET-SS-5.2



REV. NO	REVISION DESCRIPTION	DRAWN	DATE	APP. BY	DATE
A	INITIAL RELEASE - PREVIOUS REVISIONS SUPERSEDED				

REVISION HISTORY

Prowler Proof
Gershwin Pty Ltd
122 BUCHANAN RD
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PH: +61 7 3363 0666
FAX: +61 7 3267 5411

DATE 8/08/2019	DRAWING NUMBER PP6-4-00014	NAV CODE	REV A
DRAWN AH		DESCRIPTION AS5039 SECURITY TEST-HINGED DOOR-PROTEC MESH	
3RD ANGLE		MACHINE FINISHES = 3/3	

UNLESS SPECIFIED X = ±1mm X.X = ±0.5mm OTHERWISE X.XX = ±0.25mm ALL DIMENSIONS IN MILLIMETERS ALL THREAD TO BE METRIC COARSE ALL WELDS TO A1594 ALL BURRS & SHARP EDGES TO BE REMOVED