

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

Accredited for compliance with **ISO/IEC**
17025-Testing

Page 1 of 10

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Report Number: **6394**

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.

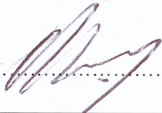
Force Probe Test (type 2 infill material only)

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: Prowler Proof	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-

Frame:	Weld		Screw		Rivet		Other	
Infill:	Weld		Screw		Rivet		Other	

(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

Alum		St. Steel		Monel		Steel		OTHER	
------	--	-----------	--	-------	--	-------	--	-------	--

Surface Finish: _____

Length and Diameter: _____

Number Used and Location: _____

(Attach drawings if necessary)

Locks

Type: Lockwood 8654 Triple point locking with Euro-cylinder
(description of mechanism including 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:	Weld	<input type="checkbox"/>	Screw	<input type="checkbox"/>	Rivet	<input type="checkbox"/>	Other	<input checked="" 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:	Mechanically bonded all around frame interior			Part Number:						
Material	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:	Weld	<input type="checkbox"/>	Screw	<input type="checkbox"/>	Rivet	<input checked="" 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:	Blind rivet			Part Number: 100123						
Material	Alum	<input type="checkbox"/>	St. Steel	<input checked="" type="checkbox"/>	Monel	<input type="checkbox"/>	Steel	<input type="checkbox"/>	OTHER	<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.

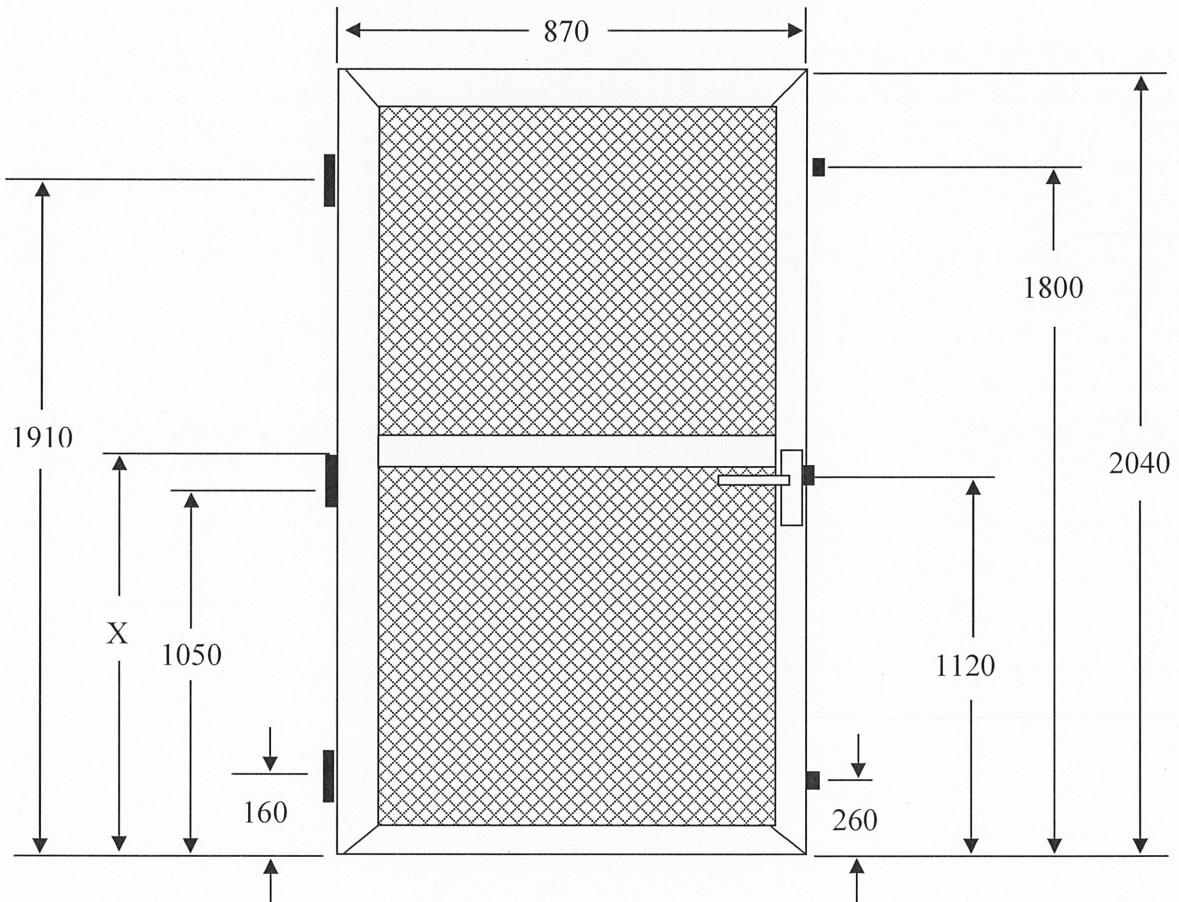


Figure 1

Manufactured By: Prowler Proof

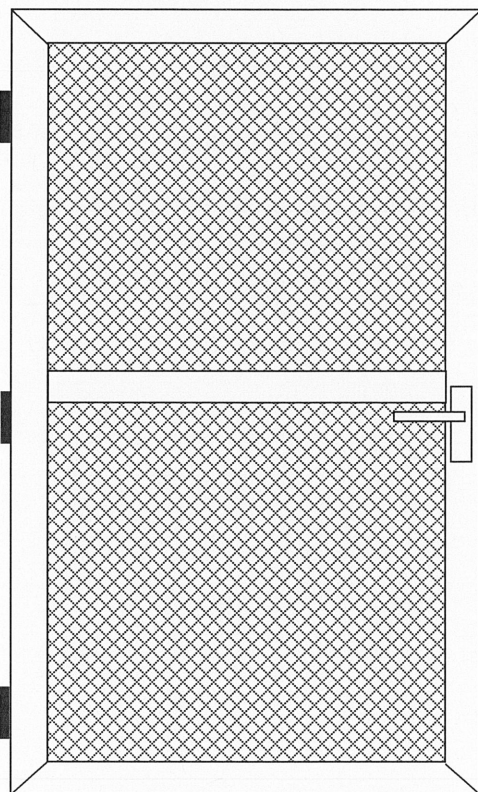
Sample Number: PP6-4-00014

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

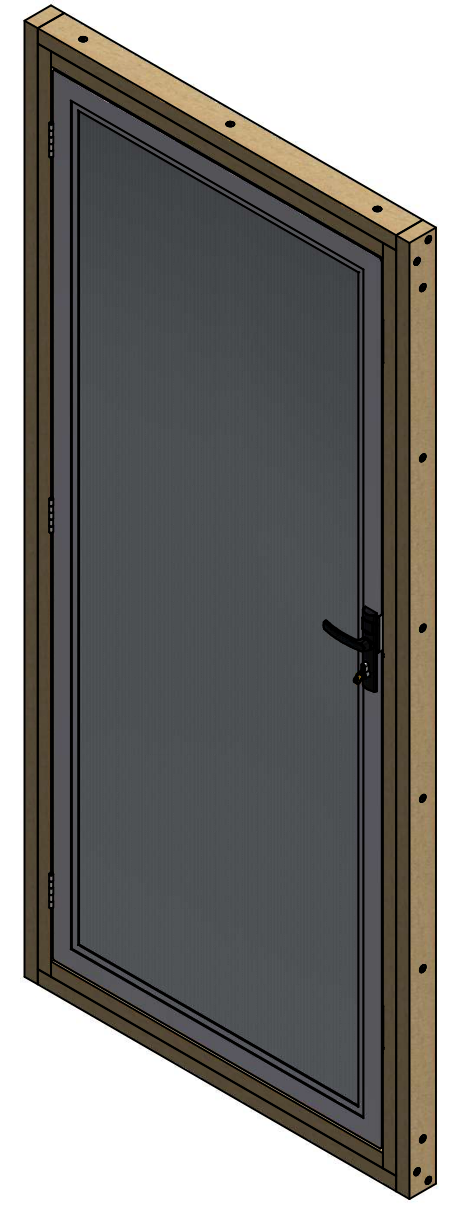
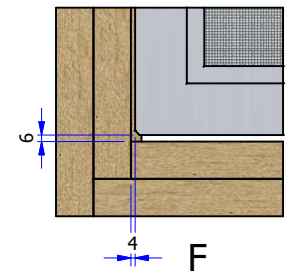
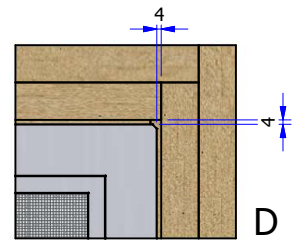
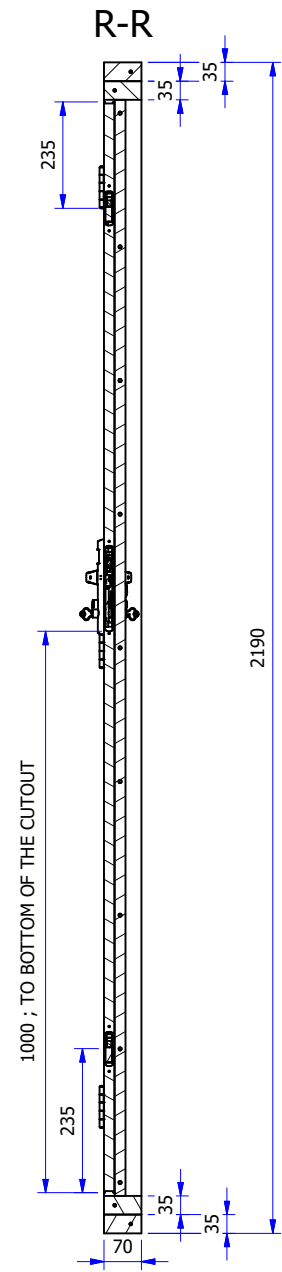
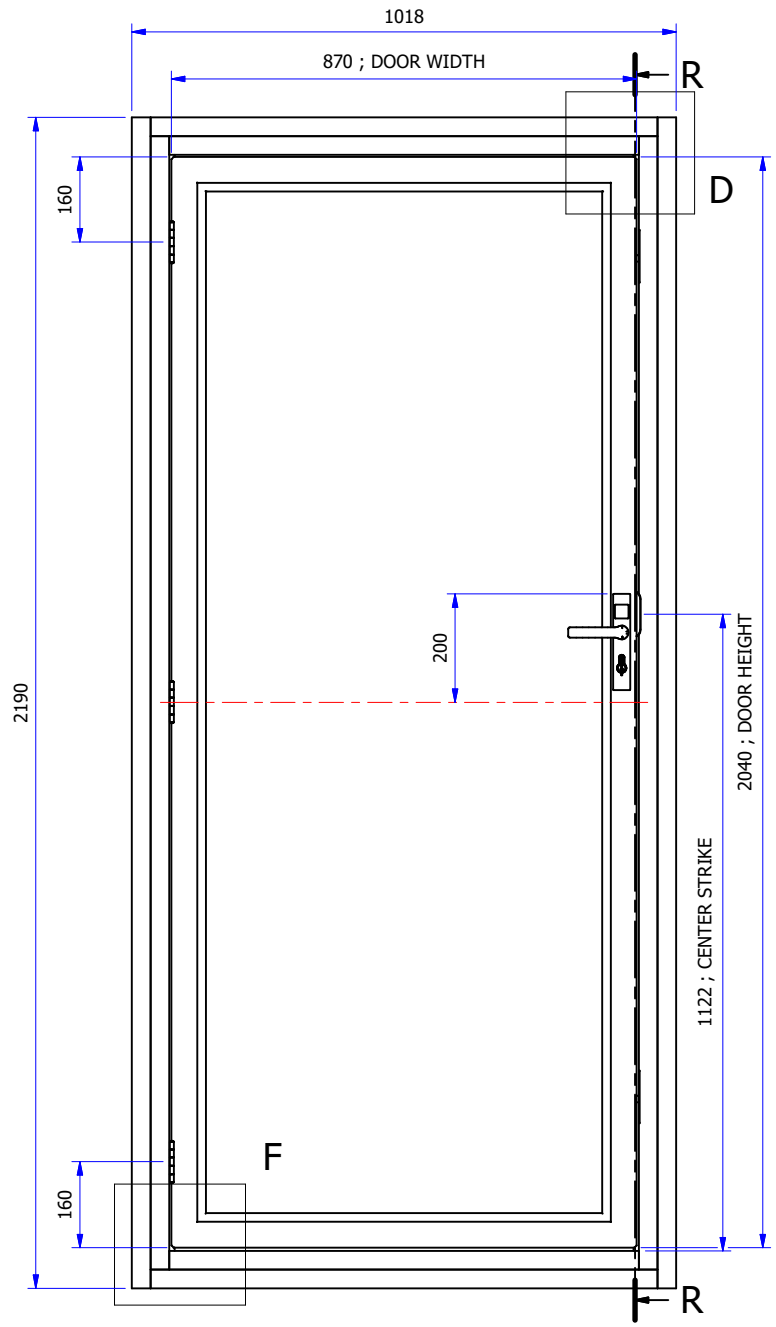
BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
1	1	PINE TEST FRAME - HINGED DOOR
2	1	DOOR-HINGED-3 POINT

A

B

C

D



A

B

C

D

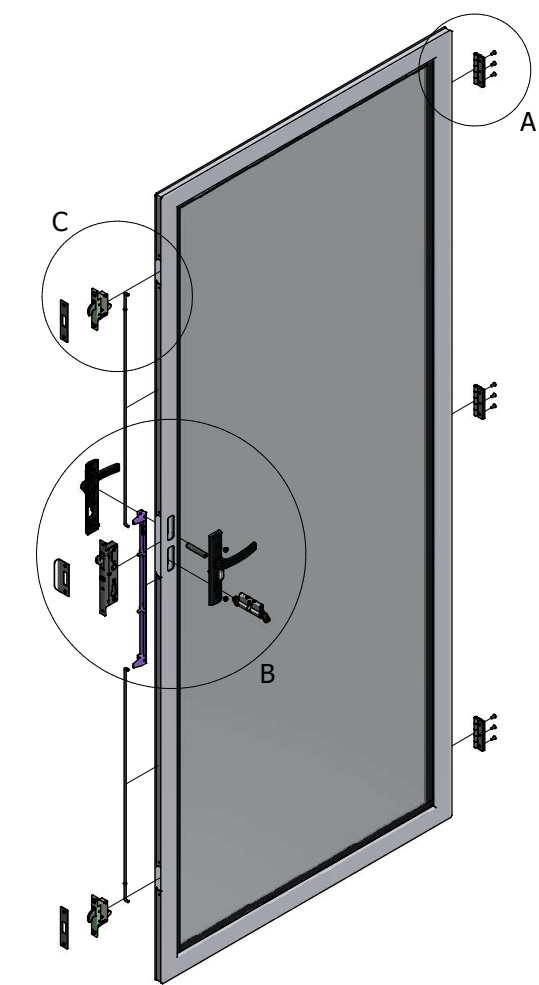
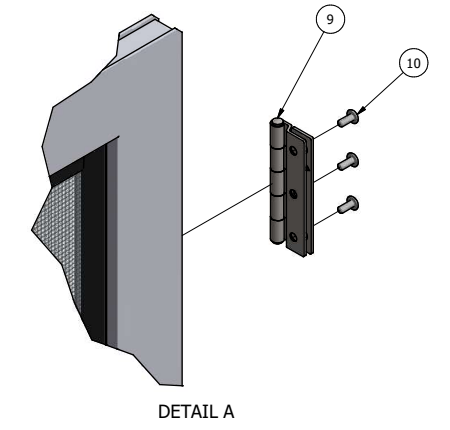
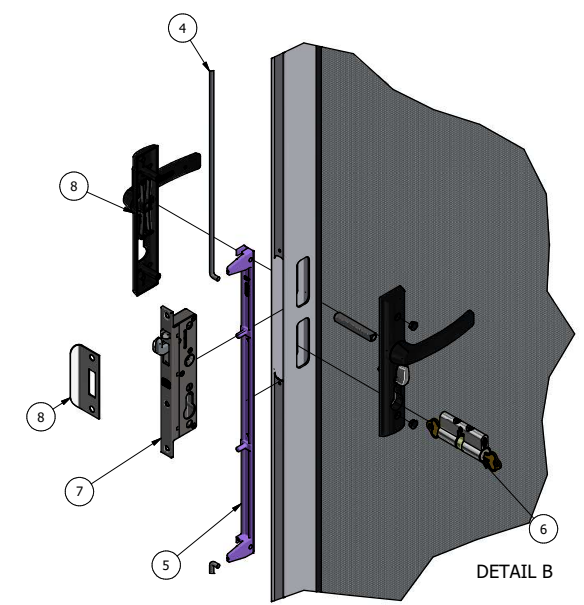
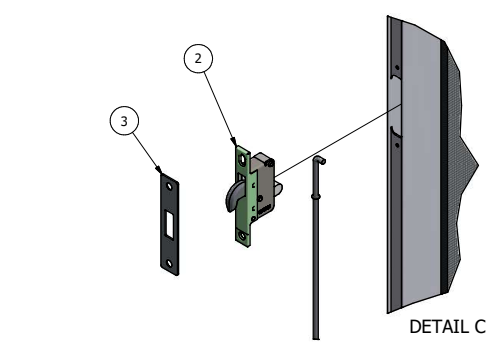
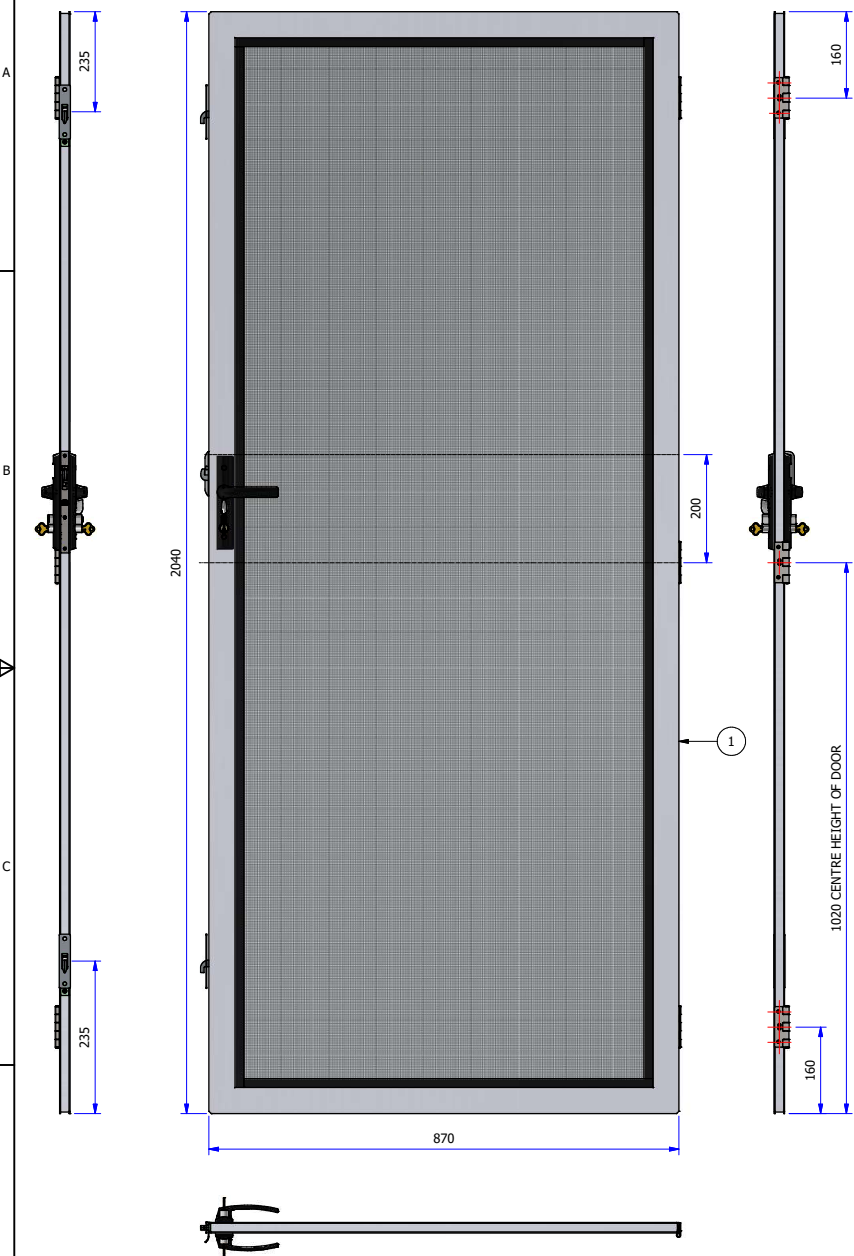


Prowler Proof
 Gershwin Pty Ltd
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 FAX: +61 7 3267 5411

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				

	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 AH	DESCRIPTION AS5039 SECURITY TEST-HINGED DOOR-PROTEC MESH	3RD ANGLE	ALL DIMENSIONS IN MILLIMETERS ALL THREAD TO BE METRIC COARSE ALL WELDS TO A1594 ALL BURRS & SHARP EDGES TO BE REMOVED	MACHINE FINISHES =
	UNLESS SPECIFIED X = ±1mm XX = ±0.5mm OTHERWISE ANG = ±0.5°	PAGE 2 / 2	PRINT: A2		