

ASSA ABLOY AUSTRALIA
235 Huntingdale Rd
Oakleigh, VIC 3166

TEST REPORT (6393)

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

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17025-Testing

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Report Number: **6393**

Date of Issue: 20/09/2019

**Test Report
Hinged Security Screen Door**

Test Report Number: 6393	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 fitted with Forcefield* woven stainless steel mesh infill
Make or Model:	Prowler Proof- Hinged Door Security Screen-Forcefield*
Sample Number:	PP6-4-00011
Gap Between Door and Mounting Frame:	- Lock side: Less than 1.5mm - Hinge side: Less than 3mm
Frame Size:	2190mm x 1040mm wide
Framing Material:	Treated pine
Constructional Description of Test Security Hinged Door:	
Aluminium extrusion frame and door, with woven stainless steel mesh infill mechanically bonded to the frame. Lockwood 8654 multi-point locking system fitted with a Euro cylinder.	

Details of Test door Infill

Type and Fabrication Method:	Woven stainless steel mesh (Forcefield*)
Manufacturer's Name / Part Number:	Forcefield* 141412
<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:	Stainless steel 316
Mass per m² (kg):	Not stated
Knife Shear Test:	Test Report CER-KS19-001 21/1/2019 by Meshtec

(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): 12mm		Pass	Fail
Test	Remarks		
Impact One:	25mm deformation	Y	
Impact Two:	28mm deformation	Y	
Impact Three:	28mm deformation	Y	
Impact Four:	28mm deformation	Y	
Impact Five:	28mm deformation	Y	
150mm Diameter Probe test using R.M.F:			
Infill Type Probe test:	Yes Less than 3mm Pass		

Jemmy Tests – AS 5039/5041-2003

Location	Remarks	Pass	Fail
Centre Locking Point:	500N applied. Hook bolt pulled past the strike. Door still secure.	Y	
Bottom Locking Point:	540N applied. Distorted the strike plate. Still locked	Y	
Top Locking Point:	680N applied. Distorted the strike plate. Still locked	Y	
Centre Hinge:	600N applied. Distorted the hinge. Still secure.	Y	
Bottom Hinge	560N applied. Distorted the hinge. Still secure.	Y	
Top Hinge:	600N applied. Pierced the door extrusion. Still secure.	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):	N/A						
Centre Midrail (1.5kN)	N/A						
Top Corner, Lock Side (1.5kN @ 18°):	N/A						
Bottom Corner, Lock Side (2.0kN @ 18°):	N/A						

- 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.

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

General

Model Number / Name:	Hinged security screen door with SS woven mesh infill and 3 point locking.
Sample Number:	PP6-4-00011
Manufactured By:	Prowler Proof
Date of Submission:	18/09/2019
Description:	Hinged security screen door with woven 316SS infill mesh, mechanically bonded to the door. Lockwood 8654 3 point locking system used with a Euro cylinder.
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:	None used-Welded corners		
Manufacturer's-	Name:	Section Number:	
Attached Dimensional Drawing-	Number:	Issue:	
Material Type and Grade:			
Surface Finish:			
(If a corner stake is not used, describe the method of joining the frames)			
<u>Fastener Details:</u>			
Type:			
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:	Machine finished converted and powder coated to Qualicoat Standards		
Length and Diameter:			
(Attach drawings if necessary)			

Infill

Type and Fabrication Method:	Stainless steel woven mesh mechanically bonded to the door.									
Manufacturer's-	Name: Forcefield*			Part Number: 141412						
Attached Dimensional Drawing-	Number: _____			Issue: _____						
Material Type and Grade:	Stainless steel 316									
Surface Finish:	Black low sheen									
Diameter of Type 3 Infill:	_____									
Means of Securing:	Weld	<input type="checkbox"/>	Screw	<input type="checkbox"/>	Rivet	<input type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	
<small>(If means of securing is OTHER, submit full details on a separate sheet)</small>										
<u>Weld Details:</u>										
Type of Weld and Pattern: _____										
<u>Fastener Details:</u>										
Type: _____					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									
<small>(Attach drawings if necessary)</small>										

Hinges

Type:	Lockwood security hinges SS316			Number Fitted: 141492						
Manufacturer's-	Name: ASSA ABLOY			Part Number: LW545SS						
Attached Dimensional Drawing-	Number: _____			Issue: _____						
Material Type and Grade-	Leaves: SS316			Pin: 316SS						
Surface Finish:	_____									
Means of Securing:	Weld	<input type="checkbox"/>	Screw	<input type="checkbox"/>	Rivet	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>	<input type="checkbox"/>	
<small>(If means of securing is OTHER, submit full details on a separate sheet)</small>										
<u>Weld Details:</u>										
Type of Weld and Pattern: _____										
<u>Fastener Details:</u>										
Type: Blind rivet round head					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- 4mm									
Number Used and Location:	Qty 9, 3 per hinge to frame- see drawing									
<small>(indicate on figure 1)</small>										
<small>(Attach drawings if necessary)</small>										

Manufactured By: Prowler Proof

Sample Number: PP6-4-00011

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

All Dimensions in Millimetres.

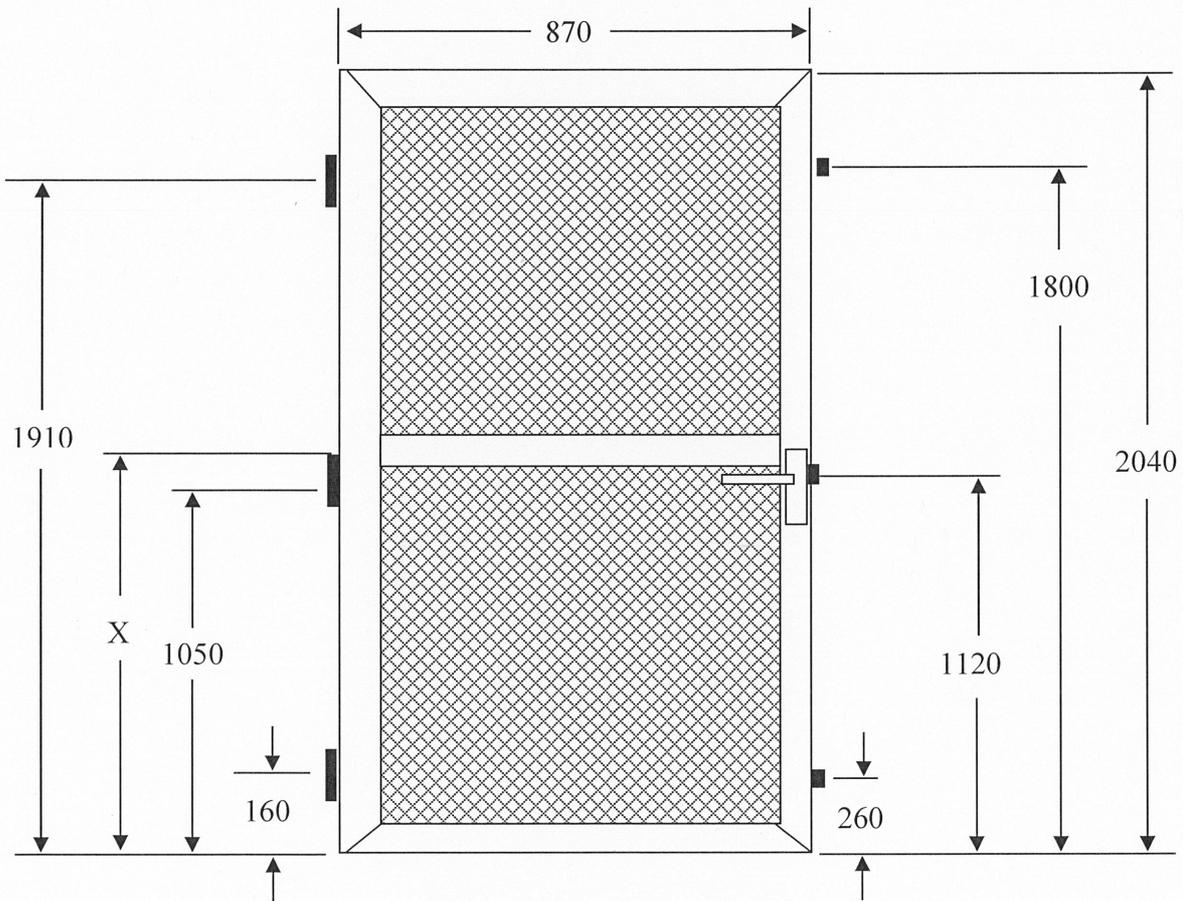


Figure 1

Manufactured By: Prowler Proof

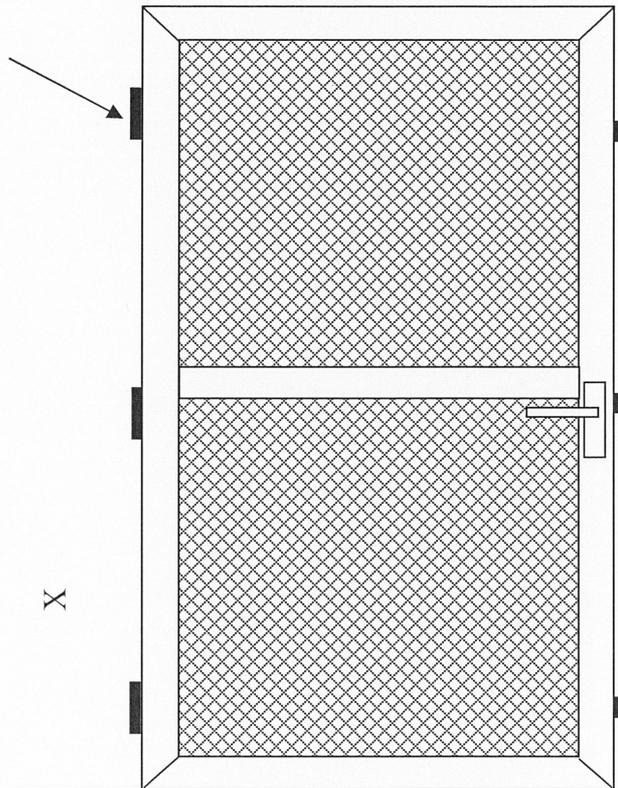
Sample Number: PP6-4-00011

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

All Dimensions in Millimetres.

Mechanically bonded 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

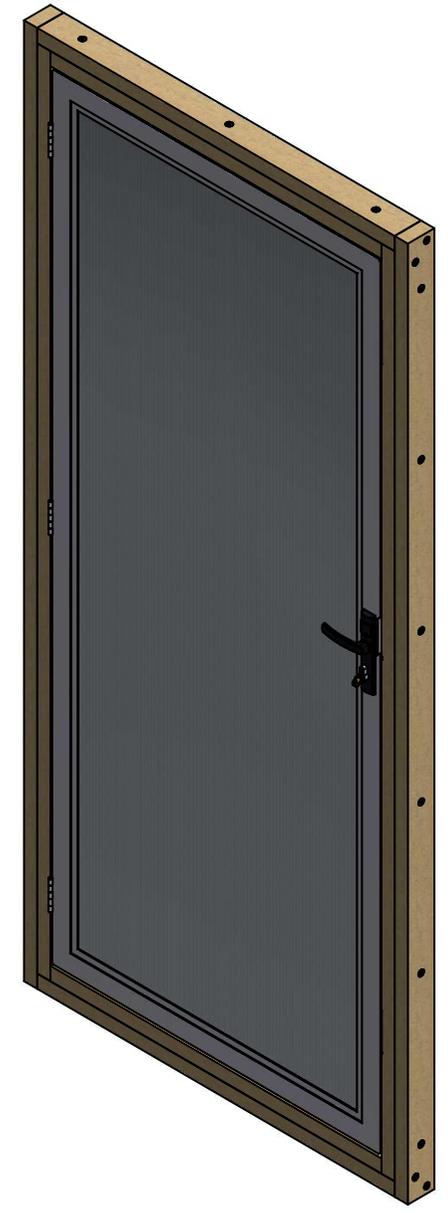
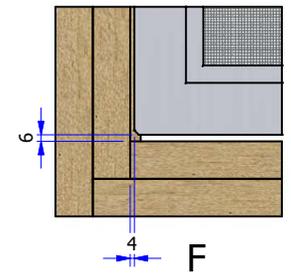
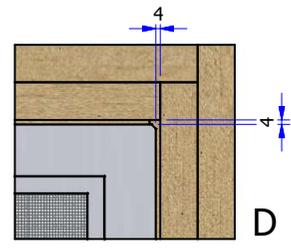
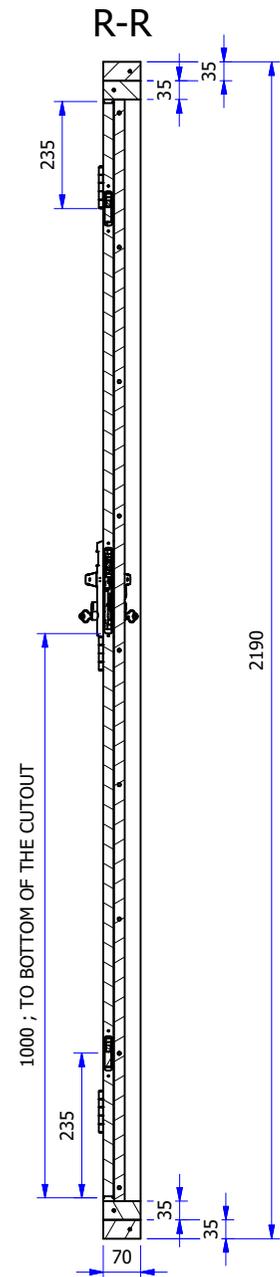
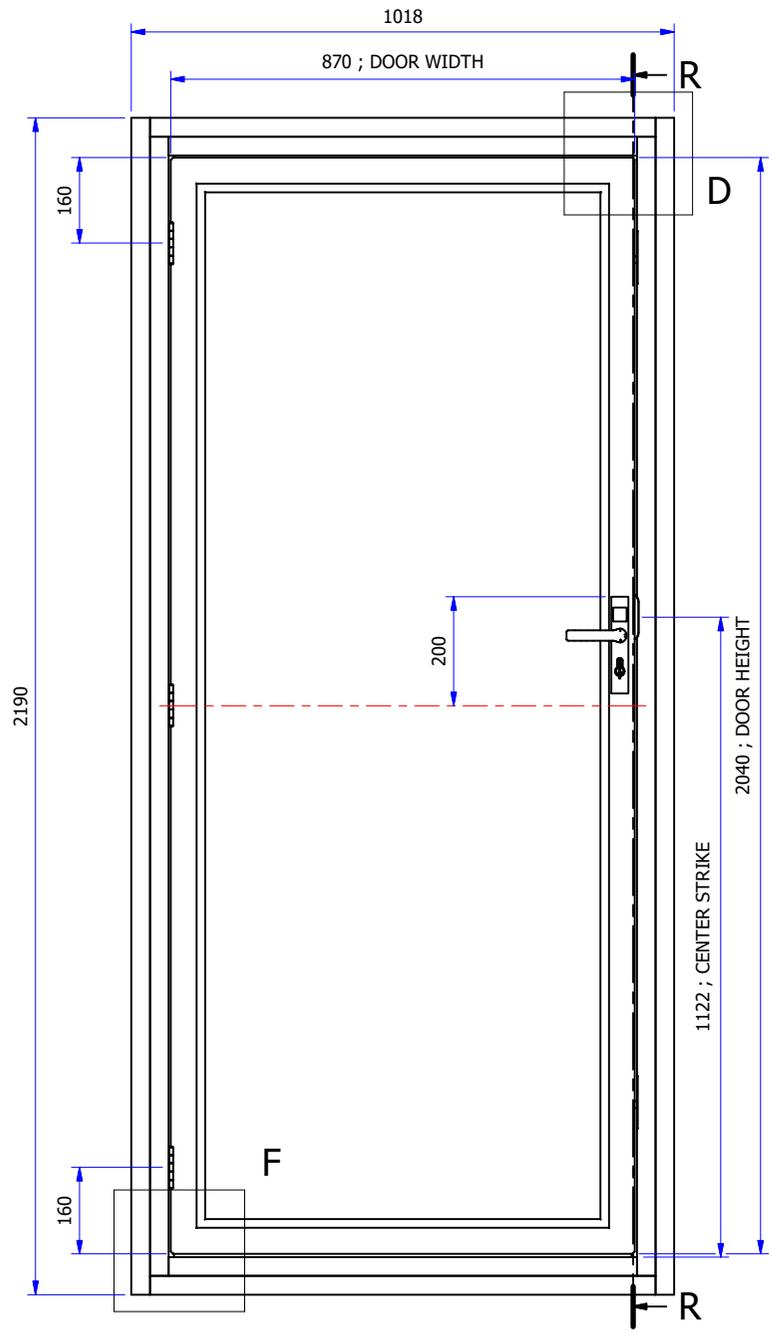
D

A

B

C

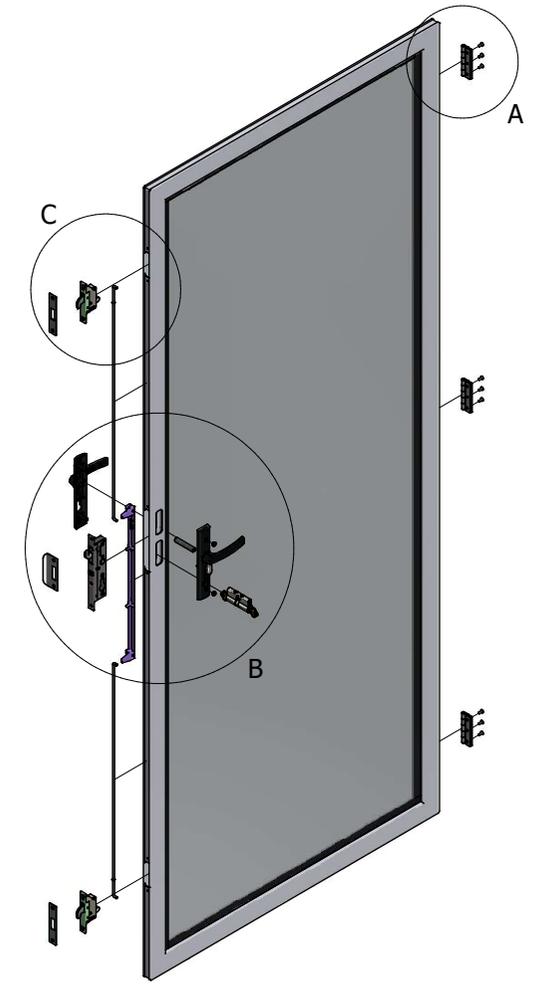
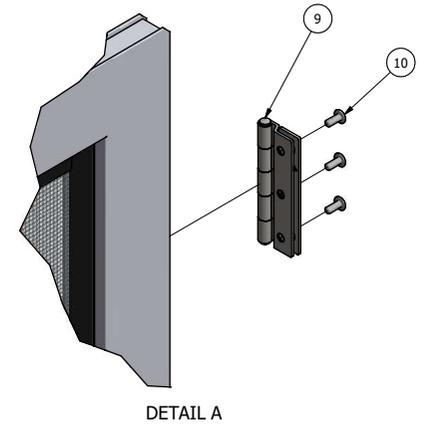
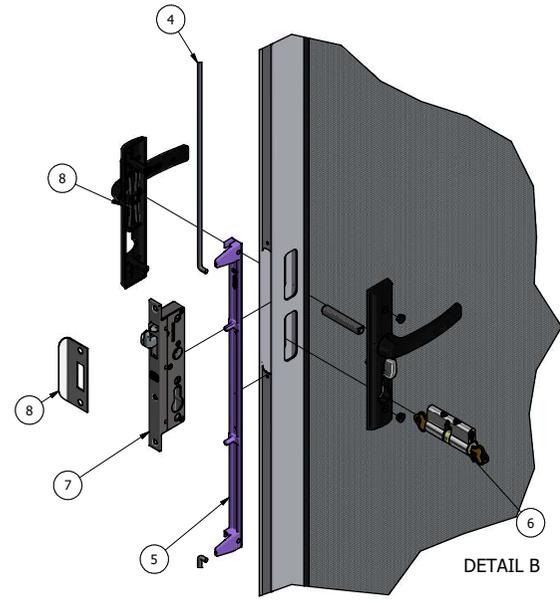
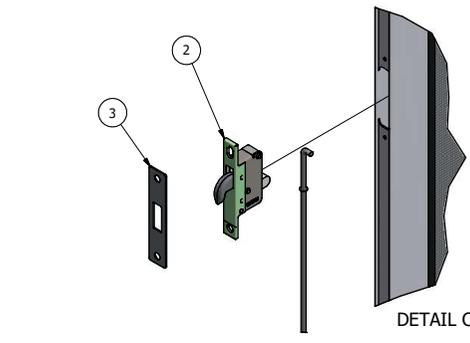
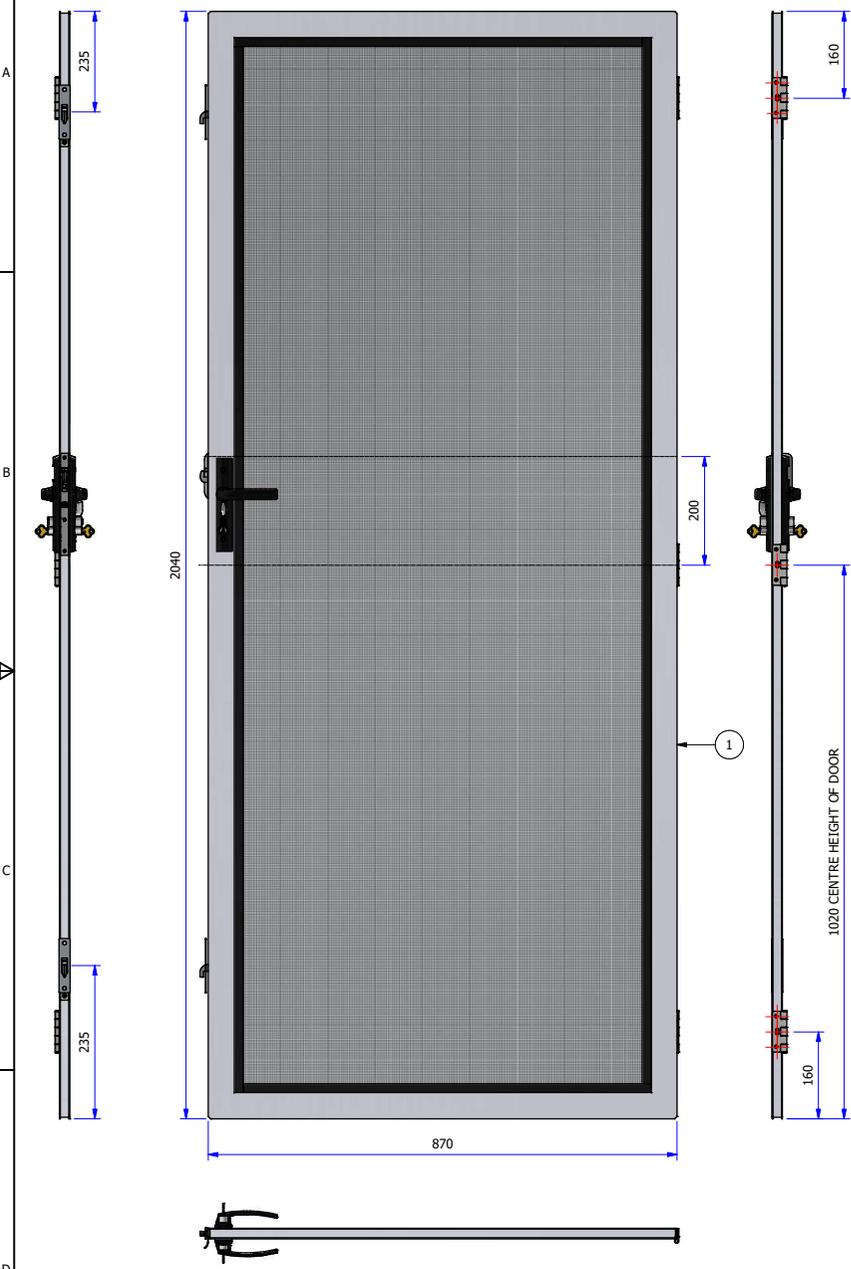
D



Prowler Proof
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DATE 8/08/2019	DRAWING NUMBER PP6-4-00011	NAV CODE	REV A
DRAWN AliJahed	DESCRIPTION AS5039 SECURITY TEST-HINGED DOOR-FORCEFIELD MESH		
3RD ANGLE	UNLESS OTHERWISE SPECIFIED		MACHINE FINISHES = 3.2
	X = ±1mm X.X = ±0.5mm X.XX = ±0.25mm ANG = ±0.5°	ALL DIMENSIONS IN MILLIMETERS ALL THREAD TO BE METRIC COARSE ALL WELDS TO AS1554 ALL BURRS & SHARP EDGES TO BE REMOVED	PAGE 1 / 2

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 PP6-4-00011	NAV CODE	REV A
	DRAWN AH	DESCRIPTION AS5039 SECURITY TEST-HINGED DOOR-FORCEFIELD MESH			
	3RD ANGLE 	UNLESS SPECIFIED X = ±1mm XX = ±0.5mm OTHERWISE ANG = ±0.5°	ALL DIMENSIONS IN MILLIMETERS ALL THREAD TO BE METRIC COARSE ALL WELDS TO AS154 ALL BURRS & SHARP EDGES TO BE REMOVED	MACHINE FINISHES =	PAGE 2 / 2