

ASSA ABLOY AUSTRALIA  
235 Huntingdale Rd  
Oakleigh, VIC 3166

## **TEST REPORT (6392)**

### **Security Window Grille**

### **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

ENG54 / 9

Accredited for compliance with ISO/IEC  
17025-Testing

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Report No.: **6392**

**Date of Issue:**

<b>Test Report Security Window Grille</b>	
<b>Test Report Number:</b>	6392
<b>Manufactured By:</b>	Prowler Proof
<b>Tested By:</b>	D Gough
<b>Certified By:</b>	C Korvin
<b>Witnessed By:</b>	A How A Jahed
<b>PAM Number:</b>	
<b>Date of Submission:</b>	18/09/2019
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<b>Certified By:</b>	C Korvin	<b>Date:</b>	18/09/2019
<b>Witnessed By:</b>	A How A Jahed	<b>Date:</b>	18/09/2019

**Details of Test Window**

<b>Type and Class:</b>	Type 3 Class A Fixed
<b>Make or Model:</b>	Prowler Proof- Fixed Window Security Screen- Protec*
<b>Sample Number:</b>	PP6-4-00034
<b>Frame Size:</b>	1500 x 900mm
<b>Framing Material:</b>	Treated Pine
<b>Constructional Description of Test Security Window Grille:</b>	
Aluminium extrusion security window frame with perforated aluminium infill mechanically bonded to the frame	

**Details of Test Window Infill**

<b>Type and Fabrication Method:</b>	Aluminium perforated mesh infill
<b>Manufacturer's Name / Part Number:</b>	Protec*
<b><u>Type 1 Mesh Infill (if applicable)</u></b>	
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):	
<b><u>Type 3 Mesh Infill (if applicable)</u></b>	
<b>Material Type and Grade:</b>	1.7mm thick aluminium 5005-H34 perforated
<b>Mass per m<sup>2</sup> (kg):</b>	Not stated
<b>Knife Shear Test:</b>	Test Report- Meshtec RP-KS18-TP-01 20/11/2018



*(Above details supplied by customer not by testing authority)*



**Test Report  
Security Window Grille**

**Dynamic Impact Test – AS 5039/5041-2003**

<b>Measurement Before Impact Test at Impact Point (datum reading): 9mm</b>			
<b>Test</b>	<b>Remarks</b>	<b>Pass</b>	<b>Fail</b>
<b>Impact One:</b>	10mm deformation	Y	
<b>Impact Two:</b>	12mm deformation	Y	
<b>Impact Three:</b>	14mm deformation	Y	
<b>Impact Four:</b>	14mm deformation	Y	
<b>Impact Five:</b>	15mm deformation	Y	
<b>150mm Diameter Probe</b>			
<b>Infill Type Probe test:</b>	Less than 3mm Pass		

**Jemmy Tests – AS 5039/5041-2003**

<b>Location</b>	<b>Remarks</b>	<b>Pass</b>	<b>Fail</b>
<b>Centre Locking Point:</b>	No preliminary access points could be created	Y	
<b>Bottom Locking Point:</b>	So Jemmying with the jig not applied	Y	
<b>Top Locking Point:</b>	Passes by default	Y	
<b>Centre Hinge:</b>		Y	
<b>Bottom Hinge</b>		Y	
<b>Top Hinge:</b>		Y	

**Infill Pull Tests – AS 5039/5041-2003**

<b>Location</b>	<b>A 450mm Maximum</b>	<b>B 150mm Maximum</b>	<b>C 100x100 mm Maximum</b>	<b>D</b>	<b>E</b>	<b>Pass</b>	<b>Fail</b>
<b>Centre Grille (1.5kN):</b>	N/A						
<b>Horizontal, Locking Point (2.0kN) (Class B,C+D only):</b>							
<b>Top Corner, Lock Side (1.5kN @ 18°):</b>							
<b>Bottom Corner, Lock Side (1.5kN):</b>							
<b>Bottom Non-Locking Corner (1.5kN @ 45° + 18°):</b>							

A - Maximum size of any gap between grille and grill frame or grille frame and door frame under load (dynamic).

B - Maximum size of any gap between grille and grill 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)

<b>150mm Spherical Probe Test (1.5kN):</b>	Pass		Fail	
<b>Remarks:</b> _____				

**Overall Test** Passes the test clauses of AS5039 and AS5041

**Remarks:** The jemmy test by fixture, wasn't performed as the preliminary screw driver attack, didn't -create any leverage points that could be used.

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

Authorised Signature  Print Name/Title C Korvin Test Lab Manager Date .....20/9/2019.....

**Identification Details for Security Window Grille**  
**Submitted for Type Testing in Accordance to AS 5039/5041-2003**  
(Informative)

**General**

<b>Model Number / Name:</b>	Security window grille with Protec* perforated aluminium mesh infill	This information to be clearly marked on test window.
<b>Sample Number:</b>	PP6-4-00034	
<b>Manufactured By:</b>	Prowler Proof	
<b>Date of Submission:</b>	18/09/2019	
<b>Description:</b>	Aluminium extrusion frame with mechanically bonded perforated aluminium infill attached	
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**

<b>Type:</b>	Aluminium extrusion		
<b>Manufacturer's- Name:</b>	Prowler Proof	<b>Section Number:</b>	P01-000062
<b>Attached Dimensional Drawing- Number:</b>	P01-000062	<b>Issue:</b>	1
<b>Material Type and Grade:</b>	6060-T5		
<b>Surface Finish:</b>	Powder coat to Qualicoat standards		
<b>Mass per Metre Length (kg):</b>	0.283kg/m		
<b>Mounting Frame Material:</b>	Treated pine		
(Attach drawings if necessary)			

**Corner Stake**

<b>Type:</b>	None- welded corners		
<b>Manufacturer's- Name:</b>		<b>Section Number:</b>	
<b>Attached Dimensional Drawing- Number:</b>		<b>Issue:</b>	
<b>Material Type and Grade:</b>			
<b>Surface Finish:</b>			
(If a corner stake is not used, describe the method of joining the frames)			
<b>Fastener Details:</b>			
<b>Type:</b>			
<b>Part Number:</b>			
<b>Material</b>	Alum	X	St.Steel
	Monel	Steel	OTHER
<b>Surface Finish:</b>			
<b>Length and Diameter:</b>			
(Attach drawings if necessary)			

**Mid Rail** (If applicable)

<b>Type:</b> N/A																			
<b>Manufacturer's-</b>	<b>Name:</b> _____																		
<b>Attached Dimensional Drawing-</b>	<b>Section Number:</b> _____																		
<b>Material Type and Grade:</b>	<b>Number:</b> _____																		
<b>Mass per Meter Length (kg):</b>	<b>Issue:</b> _____																		
<b>Surface Finish:</b> _____																			
<b>Means of Securing to-</b>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><b>Frame:</b></td> <td>Weld</td><td></td> <td>Screw</td><td></td> <td>Rivet</td><td></td> <td>Other</td><td></td> </tr> <tr> <td><b>Infill:</b></td> <td>Weld</td><td></td> <td>Screw</td><td></td> <td>Rivet</td><td></td> <td>Other</td><td></td> </tr> </table>	<b>Frame:</b>	Weld		Screw		Rivet		Other		<b>Infill:</b>	Weld		Screw		Rivet		Other	
	<b>Frame:</b>	Weld		Screw		Rivet		Other											
<b>Infill:</b>	Weld		Screw		Rivet		Other												
(If means of securing is OTHER, submit full details on a separate sheet)																			
<b>Weld Details:</b>																			
<b>Type of Weld and Pattern:</b> _____																			
<b>Fastener Details:</b>																			
<b>Type:</b> _____																			
<b>Part Number:</b> _____																			
<b>Material</b>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Alum</td><td></td> <td>St.Steel</td><td></td> <td>Monel</td><td></td> <td>Steel</td><td></td> <td>OTHER</td><td></td> </tr> </table>	Alum		St.Steel		Monel		Steel		OTHER									
Alum		St.Steel		Monel		Steel		OTHER											
<b>Surface Finish:</b> _____																			
<b>Length and Diameter:</b> _____																			
<b>Number Used and Location:</b> _____																			
(Attach drawings if necessary)																			

**locks** (If applicable)

<b>Type:</b>	N/A
(Description of mechanism including cylinder)	
<b>Manufacturer's-</b>	<b>Name:</b> _____
<b>Construction Material-</b>	<b>Part Number:</b> _____
<b>Number of Locking Points:</b>	<b>Body:</b> _____
<b>Handle (furniture) Identification:</b>	<b>Striker:</b> _____
<b>Means of Mounting:</b>	
<b>Mounting Location:</b>	Indicate on figure 1.



**Infill**

<b>Type and Fabrication Method:</b>	Perforated aluminium mesh mechanically bonded to frame									
<b>Manufacturer's- Attached Dimensional Drawing-</b>	<b>Name:</b> Protec*		<b>Part Number:</b> Protec*							
<b>Material Type and Grade:</b>	1.7mm thick perforated aluminium 5005-H34									
<b>Surface Finish:</b>	Black Lo Sheen									
<b>Diameter of Type 3 Infill:</b>	Aperture size 2.4mm									
<b>Means of Securing:</b>	Weld		Screw		Rivet		Other	X		
(If means of securing is OTHER, submit full details on a separate sheet)										
<b>Weld Details:</b>										
<b>Type of Weld and Pattern:</b>										
<b>Fastener Details:</b>										
<b>Type:</b>										
<b>Material</b>	Alum		St.Steel		Monel		Steel		OTHER	
<b>Surface Finish:</b>										
<b>Length and Diameter:</b>										
<b>Number Used and Location:</b>	Indicate on figure 2									
(Attach drawings if necessary)										

**Hinges** (If applicable)

<b>Type:</b> N/A	<b>Number Fitted:</b>									
<b>Manufacturer's- Attached Dimensional Drawing-</b>	<b>Name:</b>		<b>Part Number:</b>							
<b>Material Type and Grade-</b>	<b>Number:</b>		<b>Issue:</b>							
<b>Surface Finish:</b>	<b>Leaves:</b>		<b>Pin:</b>							
<b>Means of Securing:</b>	Weld		Screw		Rivet		Other			
<b>Weld Details:</b>										
<b>Type of Weld and Pattern:</b>										
<b>Fastener Details:</b>										
<b>Type:</b>										
<b>Material</b>	Alum		St.Steel		Monel		Steel		OTHER	
<b>Surface Finish:</b>										
<b>Length and Diameter:</b>										
<b>Number Used and Location:</b>	(indicate on figure 1)									
(Attach drawings if necessary)										

**Track or Build Outs** (If applicable)

**Type:**       N/A      

**Manufacturer's- Name:** \_\_\_\_\_ **Part Number:** \_\_\_\_\_

**Attached Dimensional Drawing- Number:** \_\_\_\_\_ **Issue:** \_\_\_\_\_

**Material Type and Grade:** \_\_\_\_\_

**Surface Finish:** \_\_\_\_\_

**Fastener Details:**

**Type:** \_\_\_\_\_ **Part Number:** \_\_\_\_\_

<b>Material</b>	Alum		St.Steel		Monel		Steel		OTHER	
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**Surface Finish:** \_\_\_\_\_

**Length and Diameter:** \_\_\_\_\_

**Number Used and Location:** \_\_\_\_\_

(indicate on figure 1) \_\_\_\_\_ (Attach drawings if necessary)

**Interlock** (If applicable)

**Type:**       N/A      

**Manufacturer's- Name:** \_\_\_\_\_ **Part Number:** \_\_\_\_\_

**Attached Dimensional Drawing- Number:** \_\_\_\_\_ **Issue:** \_\_\_\_\_

**Material Type and Grade:** \_\_\_\_\_

**Surface Finish:** \_\_\_\_\_

**Fastener Details:**

**Type:** \_\_\_\_\_ **Part Number:** \_\_\_\_\_

<b>Material</b>	Alum		St.Steel		Monel		Steel		OTHER	
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**Surface Finish:** \_\_\_\_\_

**Length and Diameter:** \_\_\_\_\_

**Number Used and Location:** \_\_\_\_\_

(indicate on figure 1) \_\_\_\_\_ (Attach drawings if necessary)

**Rollers** (If applicable)

**Type:** \_\_\_\_\_

**Manufacturer's- Name:** \_\_\_\_\_ **Part Number:** \_\_\_\_\_

**Attached Dimensional Drawing- Number:** \_\_\_\_\_ **Issue:** \_\_\_\_\_

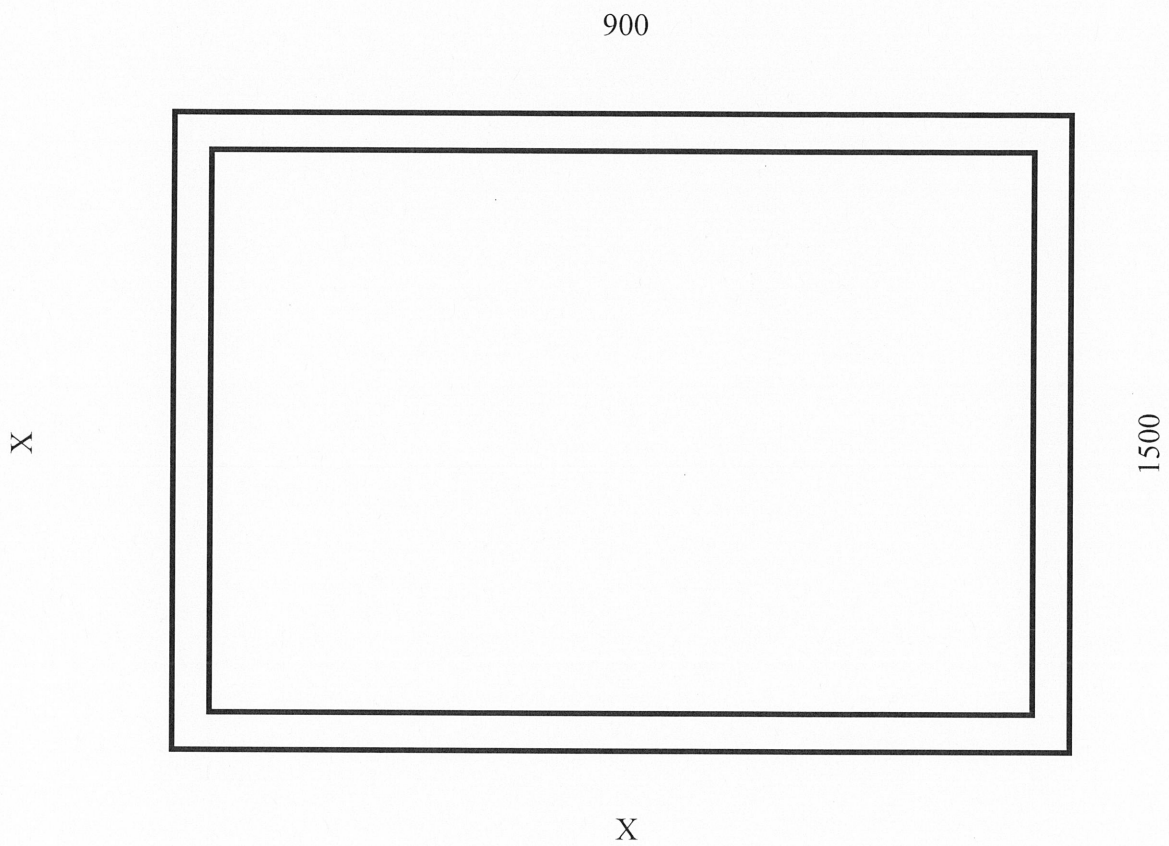
**Number Used and Location:** \_\_\_\_\_

(indicate on figure 1) \_\_\_\_\_ (Attach drawings if necessary)

<b>Manufactured By:</b>	Prowler Proof
<b>Sample Number:</b>	PP6-4-00034

**Location of Fixing Points, Locking Points, Hinges and Mid-Rail.**

**All Dimensions in Millimetres.**



**Figure 1**

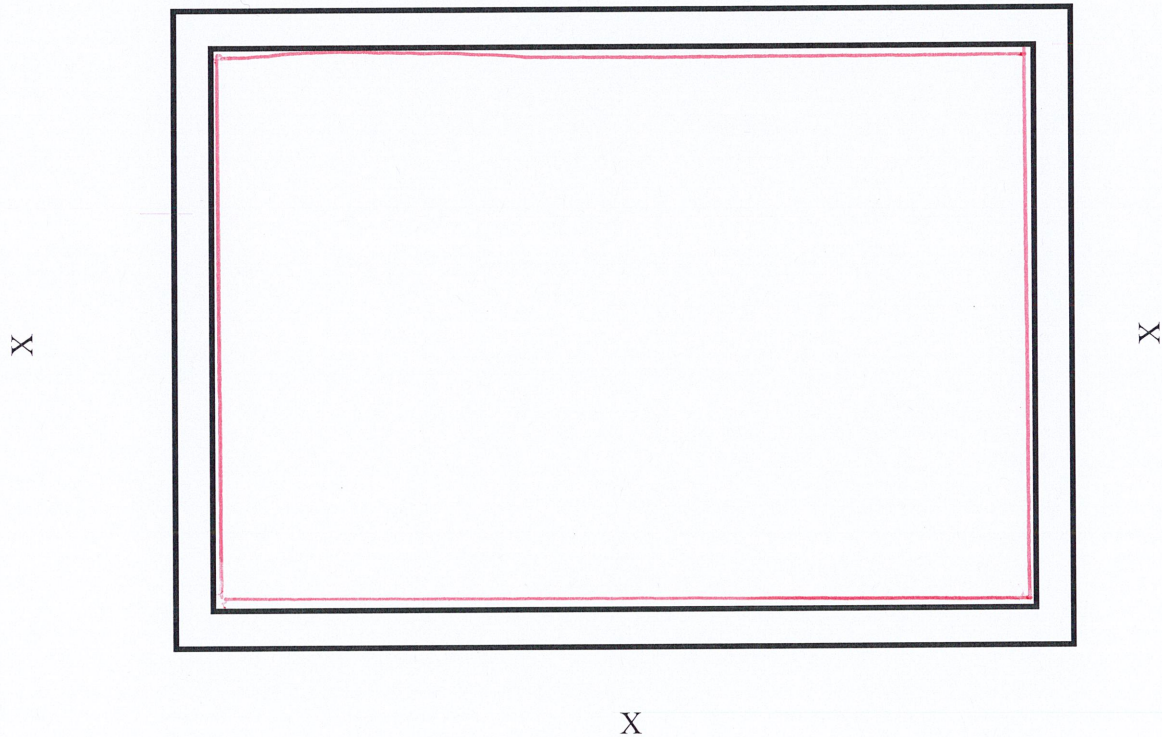


**Manufactured By:** Prowler Proof  
**Sample Number:** PP6-4-00034

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

**All Dimensions in Millimetres.**

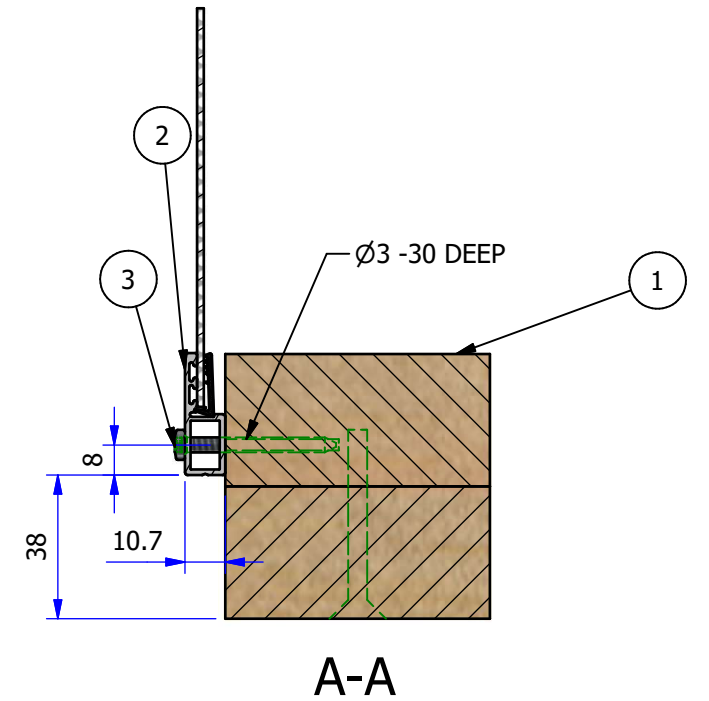
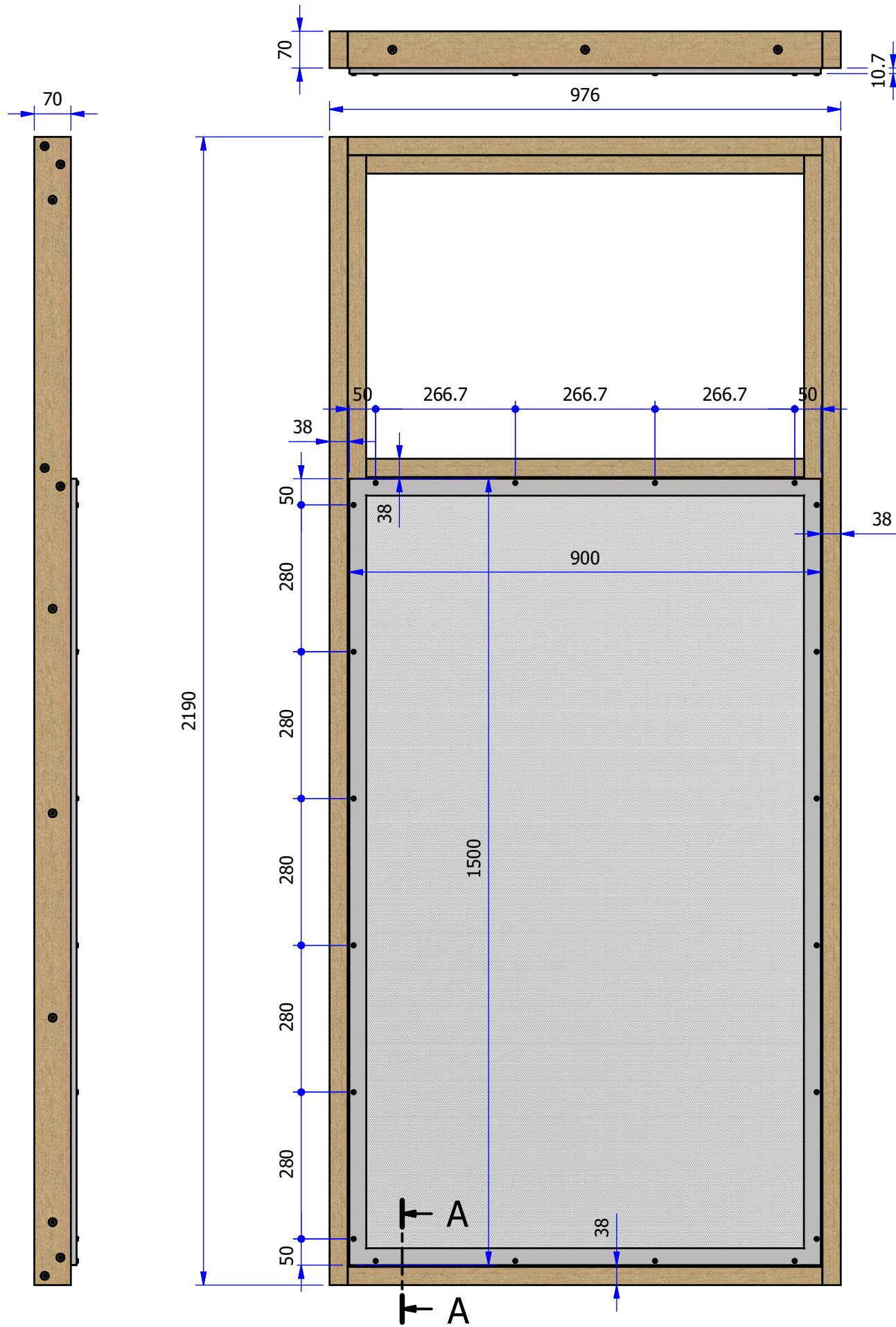
Mechanically bonded all around internal perimeter



**Figure 2**



BILL OF MATERIALS		
ITEM	QTY	DESCRIPTION
1	1	PINE TEST FRAME - FIXED WINDOW
2	1	11mm FIXED WINDOW SCREEN
3	20	ASSY-Pan Head AW20 4x45mm



PP6-4-00034-A



**Prowler Proof**

Gershwin Pty Ltd

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FAX: +61 7 3267 5411

UNLESS SPECIFIED X = ±1mm ALL DIMENSIONS IN MILLIMETERS  
OTHERWISE 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

DATE

13/08/2019

DRAWING NUMBER

PP6-4-00034

NAV CODE

REV

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DESCRIPTION

**AS5039 SECURITY TEST-11mm  
FIXED WINDOW  
SCREEN-PROTEC MESH**

3RD ANGLE



MACHINE FINISHES = 3.2

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