NATA Accredited Laboratory No: 15147

AZUMA Design

AS5039 TEST REPORT

Protec Window

Azuma Design Pty Ltd

Address: 52 Justin Street, Smithfield NSW 2164 Australia **PH**: 61(02)9604 0255

AZUMA Design

NATA WORLD RECOGNISED ACCREDITATION

NATA Accredited Laboratory No: 15147

AZUMA TESTING REPORT #AZT0300.14

PROTEC WINDOW

AZT Number: AZT0300.14

Manufactured By: Prowler Proof

Tested By: Rob Irwin Date: 15/10/14

Certified By: Rob Irwin Date: 15/10/14

Witnessed By: Ash Horne Date: 15/10/14

Details of Test Window

Sample Identification: Protec Security Window Grille

Size: 1575 (H) x 975 (W) mm Class A,B,C or D: A

Mounting method used (ie rebate, face fixed…): Face fixed

Gap between Window and Mounting Frame Lock Side (mm): N/A

Hinge Side (mm): N/A

Type of Material Used in Mounting Frame: Treated Pine

Constructional Description of Test Window: Perforated mesh infill mounted in a frame with approximately 280mm centres between fixings. Surround timber frame.

Azuma Design Pty Ltd

Address: 52 Justin Street Smithfield NSW 2164 Australia **PH**: 61(02)9604 0255

AZUMA TESTING REPORT #AZT0300.14

PROTEC WINDOW

Details of Window Infill

Manufactured By: Prowler Proof Type: III
Material thickness: 1.6mm Spacing: 1.6mm
Aperture: 2.5mm Material type and grade: Aluminium

Dynamic Impact Test

Check weight of Impact bag: 44.120 kilograms

Drop Height of Impact bag for 100 J blow: (using formula $\frac{10204}{w} = h$)

w = weight of bag in kilograms
h = drop height in millimeters

Observations

Standard: 9mm

Impact 1: 11mm

Impact 2: 14mm

Impact 3: 14mm

Impact 4: 15mm

Impact 5: 15mm

Result: PASS

Remarks: NIL

Azuma Design Pty Ltd
Address: 52 Justin Street Smithfield NSW 2164 Australia **PH**: 61(02)9604 0255

AZUMA TESTING REPORT #AZT0300.14

PROTEC WINDOW

Lock/Hinge and/or fixing Lever Test

LOCATION	PASS	FAIL	FORCE (N)	REMARKS
TOP LH	✓			Screwdriver could not be inserted with reasonable force
CENTRE LH	✓			
BOTTOM LH	✓			
TOP RH	✓			
CENTRE RH	✓			
BOTTOM RH	✓			

Result: PASS

Remarks: NIL

Azuma Design Pty Ltd

Address: 52 Justin Street Smithfield NSW 2164 Australia **PH**: 61(02)9604 0255

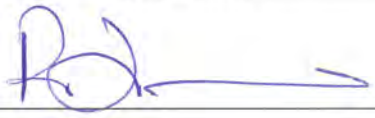
AZUMA TESTING REPORT #AZT0300.14

PROTEC WINDOW

CONCLUSION

Test	Result
Dynamic Impact test:	PASS
Lock and Hinge lever test:	PASS

SIGNATORY NAME: Rob Irwin

SIGNATURE: 

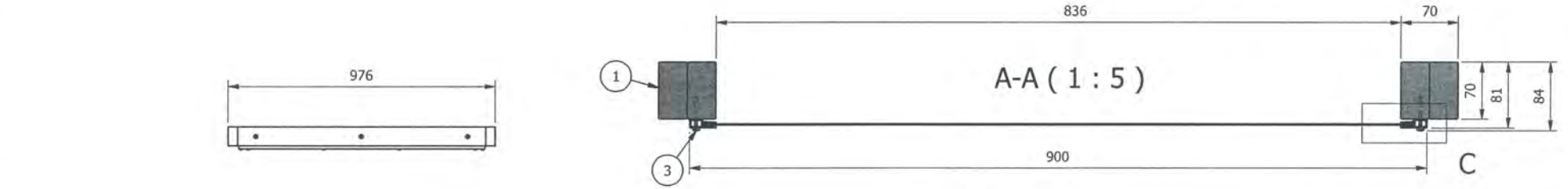
DATE: 21/10/14

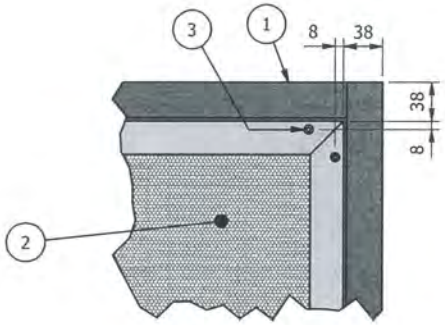
Azuma Design Pty Ltd

Address: 52 Justin Street Smithfield NSW 2164 Australia **PH**: 61(02)9604 0255

IF IN DOUBT ASK

BILL OF MATERIALS			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	P10-000075	WINDOW - TEST FRAME
2	1	P10-000072	PROTEC WINDOW
3	20	10-12 x 40	PAN HEAD AW20

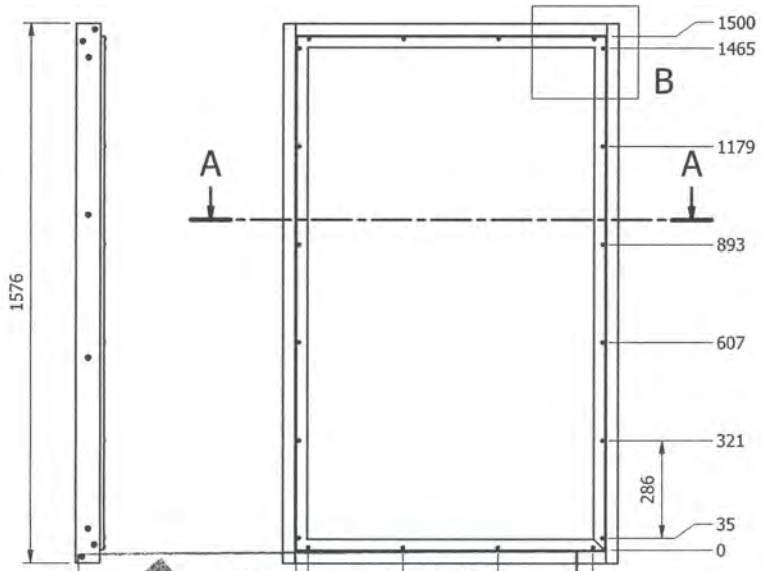




B (1 : 5)

C (1 : 2)

ISOMETRIC VIEW



FRONT VIEW 1 (1 : 15)

NATA Accredited Laboratory Number: 15147

This laboratory is accredited by the National Association of Testing Authorities, Australia. The tests reported herein have been performed in accordance with its scope of accreditation. This document shall not be reproduced except in full.

Checked by:

Prowler Proof
Gershwin Pty Ltd

PROWLER PROOF

122 BUCHANAN RD
BANYO, QLD. 4014
PH: +61 7 3363 0666
FAX: +61 7 3267 5411

DRAWN: SMH	DATE: 12/08/2014	TITLE: PROTEC-WINDOW TESTING SAMPLE	SHEET 1 OF 1
CHECKED	DATE		
APPR.	DATE	PART NUMBER: P10-000071	DRAWING DOCUMENT FILE NAME: P10-000071.idw; MODEL DOCUMENT FILE NAME: P10-000071.iam; SCALE: SEE VIEW
RAW MATERIAL		PROWLER PROOF STOCK CODE:	REV: A

UNLESS OTHERWISE SPECIFIED
X = ±1mm
X.X = ±0.5mm
X.XX = ±0.25mm
MACHINE FINISHES = 3.2
= ± 1°

ALL DIMENSIONS IN MILLIMETERS
ALL THREAD TO BE METRIC COARSE
ALL WELDS TO AS1554
ALL BURRS AND SHARP EDGES TO BE REMOVED

3RD ANGLE PROJECTION

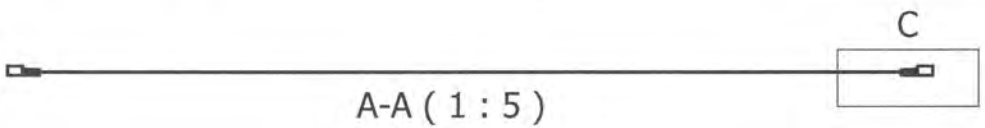
DO NOT SCALE DRAWING | WEIGHT: 16 kg | SHEET SIZE: A3

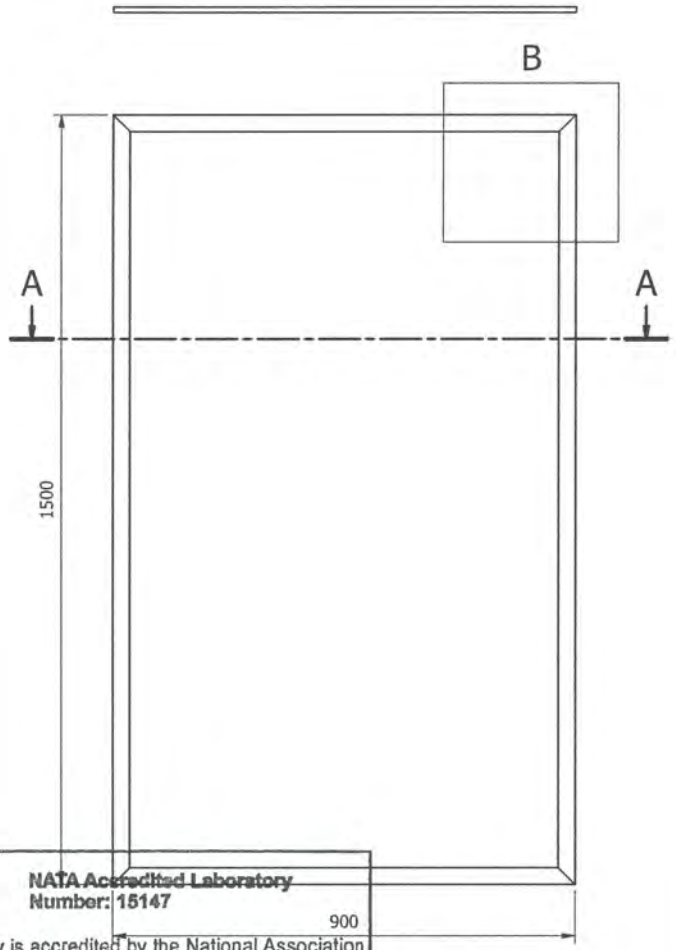
REVISION HISTORY					
REV. No	REVISION DESCRIPTION	DRAWN	DATE	APP. BY	DATE
A	INITIAL RELEASE	SMH	12/8/14		

8 of 9

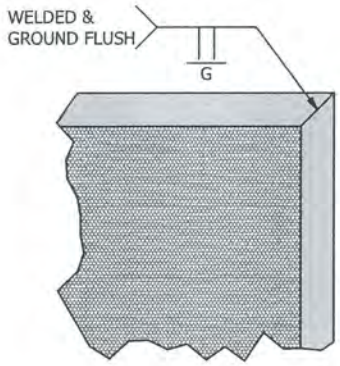
IF IN DOUBT ASK

BILL OF MATERIALS			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	P10-000093	FF 11mm - 5800mm
2	1	P10-000097	FF Retainer 3000mm BLK
3	1	P10-000090	PROTEC 1200 X 2000MM BK
4	1	P10-000094	FF 11mm - 5800mm
5	1	P10-000095	FF 11mm - 5800mm
6	1	P10-000096	FF 11mm - 5800mm
7	1	P10-000098	FF Retainer 3000mm BLK
8	1	P10-000099	FF Retainer 3000mm BLK
9	1	P10-000100	FF Retainer 3000mm BLK

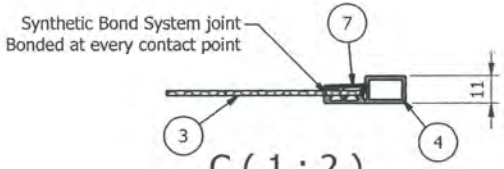




FRONT VIEW 1
(1 : 10)



B (1 : 5)



C (1 : 2)

ISOMETRIC VIEW

NATA Accredited Laboratory Number: 15147

This laboratory is accredited by the National Association of Testing Authorities, Australia. The tests reported herein have been performed in accordance with its scope of accreditation. This document shall not be reproduced, except in full.

Checked by:

8 to 6

REV. No	REVISION DESCRIPTION	DRAWN	DATE	APP. BY	DATE
A	INITIAL RELEASE	SMH	12/8/14		

REVISION HISTORY

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

DRAWN: SMH	DATE: 12/08/2014	TITLE: PROTEC - WINDOW	SHEET 1 OF 1
CHECKED	DATE		
APPR.	DATE	PART NUMBER: P10-000072	SCALE: SEE VIEW
RAW MATERIAL		PROWLER PROOF STOCK CODE:	REV: A

DRAWING DOCUMENT FILE NAME: P10-000072.idw
MODEL DOCUMENT FILE NAME: P10-000072.iam

UNLESS OTHERWISE SPECIFIED
X = ±1mm
X.X = ±0.5mm
X.XX = ±0.25mm
MACHINE FINISHES = 3.2
= ± 1°

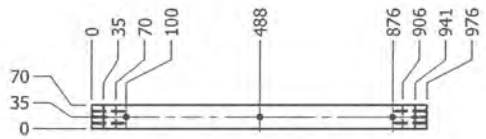
ALL DIMENSIONS IN MILLIMETERS
ALL THREAD TO BE METRIC COARSE
ALL WELDS TO AS1554
ALL BURRS AND SHARP EDGES TO BE REMOVED

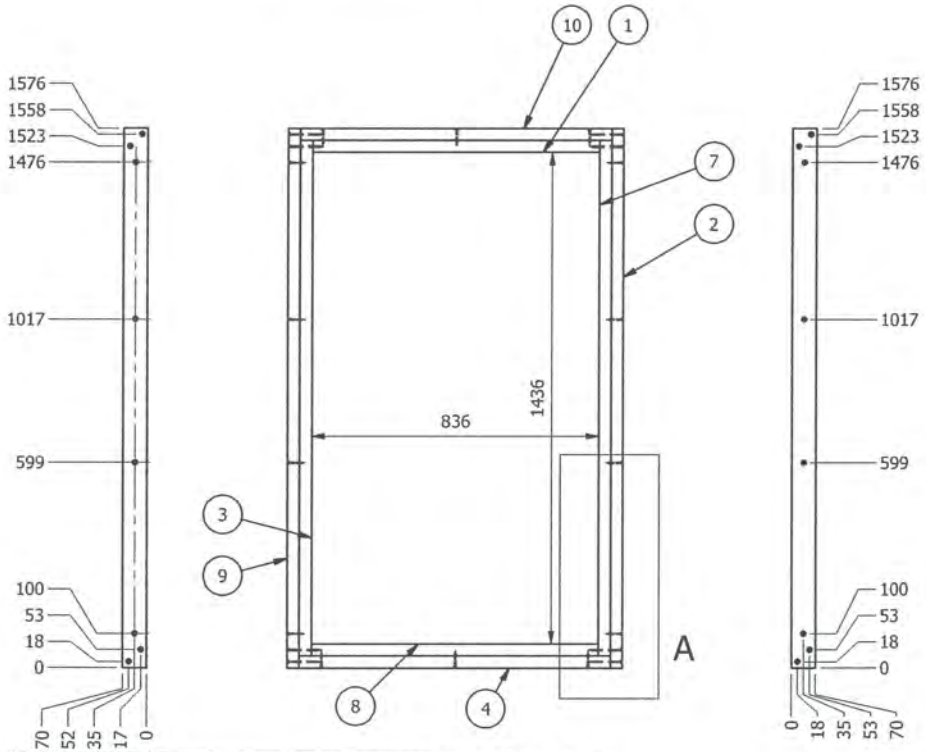
3RD ANGLE PROJECTION

DO NOT SCALE DRAWING | WEIGHT: 2 kg | SHEET SIZE: A3

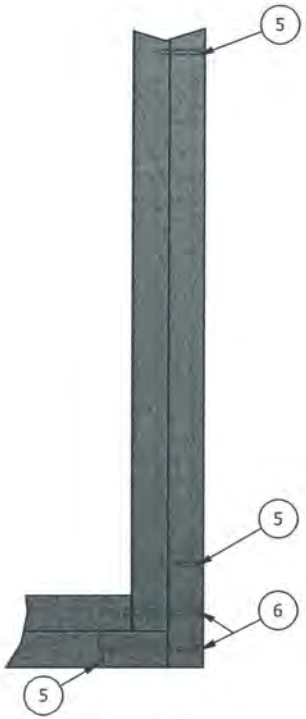
IF IN DOUBT ASK

BILL OF MATERIALS			
ITEM	QTY	PART NUMBER	DESCRIPTION
1	1	P10-000086	Radiata Pine - MGP15 Stud 70x35
2	1	P10-000088	Radiata Pine - MGP15 Stud 70x35
3	1	P10-000084	Radiata Pine - MGP15 Stud 70x35
4	1	P10-000091	Radiata Pine - MGP15 Stud 70x35
5	14	14gx50mm	Bugle Head Batten Screw
6	8	14gx100mm	Bugle Head Batten Screw
7	1	P10-000085	Radiata Pine - MGP15 Stud 70x35
8	1	P10-000087	Radiata Pine - MGP15 Stud 70x35
9	1	P10-000089	Radiata Pine - MGP15 Stud 70x35
10	1	P10-000092	Radiata Pine - MGP15 Stud 70x35

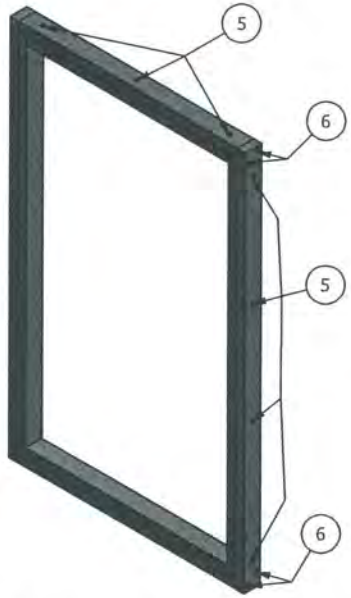




FRONT VIEW 1
(1 : 15)



A (1 : 5)



ISOMETRIC VIEW

NATA Accredited Laboratory Number: 15147

This laboratory is accredited by the National Association of Testing Authorities, Australia. The tests reported herein have been performed in accordance with its scope of accreditation. This document shall not be reproduced, except in full.

Checked by:

Prowler Proof
Gershwin Pty Ltd

PROWLER PROOF

122 BUCHANAN RD
BANYO, QLD. 4014
PH: +61 7 3363 0666
FAX: +61 7 3267 5411

DRAWN: SMH	DATE: 12/08/2014	TITLE: WINDOW - TEST FRAME	SHEET 1 OF 1
CHECKED	DATE		
APPR.	DATE	PART NUMBER: P10-000075	DRAWING DOCUMENT FILE NAME: P10-000075.idw; MODEL DOCUMENT FILE NAME: P10-000075.iam; SCALE: SEE VIEW
RAW MATERIAL		PROWLER PROOF STOCK CODE:	REV: A

REV. No	REVISION DESCRIPTION	DRAWN	DATE	APP. BY	DATE
A	INITIAL RELEASE	SMH	12/8/14		

REVISION HISTORY

UNLESS OTHERWISE SPECIFIED
X = ±1mm
X.X = ±0.5mm
X.XX = ±0.25mm
MACHINE FINISHES = 3.2
= ± 1°

ALL DIMENSIONS IN MILLIMETERS
ALL THREAD TO BE METRIC COARSE
ALL WELDS TO AS1554
ALL BURRS AND SHARP EDGES TO BE REMOVED

3RD ANGLE PROJECTION

DO NOT SCALE DRAWING | WEIGHT: N/A | SHEET SIZE: A3

8 of 8

AZUMA
Design

Laboratory Report

Date 14-October-2014

Customer Prowler Proof

Test No : AZT0304.14

NATA
WORLD RECOGNISED
ACCREDITATION

NATA Accredited Laboratory No.: 15147

Azuma Design Pty Limited
52 Justin street Smithfield. NSW 2164 Ph 02 9604 0255 E-Mail info@azumadesign.com.au

AZUMA DESIGN

TESTING LABORATORY REPORT

NATA
WORLD RECOGNISED ACCREDITATION

SIGNATORIES		Date	14-Oct-14
	Reported by : Robert Irwin		Test No:
	Checked by : Ashley Horne		AZT0304.14

NATA Accredited Laboratory No.: 15147

Test data and results as shown.

Pass/ Fail requirements to AS 5041

Passed

Reason for test
AS 5041 Conformance.

Knife shear testing

Manufacturer

Customer

Prowler Proof

Description of product

Perforated Mesh 645 x 645mm

Results

	Length of complete penetration (in mm)	New Blade used (Yes / No)
Test number 1	0	Yes
Test number 2	0	Yes
Test number 3	12.5	Yes

Observations

1. Knife snaggled and held for 20 seconds.
2. On the second pass the knife snaggled and the blade tip snapped. The snag was held for 20 seconds.
3. On the third pass the blade penerated the mesh for 12.5mm then snag held for 20 seconds.

AZUMA DESIGN

TESTING LABORATORY REPORT

Details of product for testing

Infill

Material type and grade :		Aluminium			
Manufacturers	**Name**	Prowler Proof			
	Identi / Part number	Protec Mesh			
Attached dimensional drawing No:			**Issue :**		
Dimensions (in mm):					
Material thickness:	1.6mm	**Spacing :**	1.7	**Aperture:**	2.5
Surface finish / coating :		Powdercoat			

Means of securing to frame :

Mechanical Bo — If means of securing is OTHER, submit full details on separate sheet attach to Final report

Weld details

Type of weld | Weld pattern

Fastener details

Manufacturers

Name

Identification / Part number

Material

If material type is OTHER, submit full details on separate sheet and attach to final report

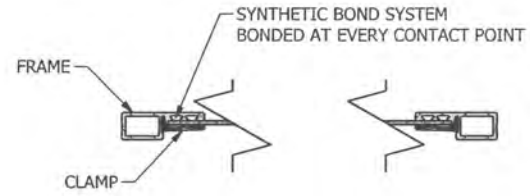
Surface finish

Length & dia/Gauge

Qty & location

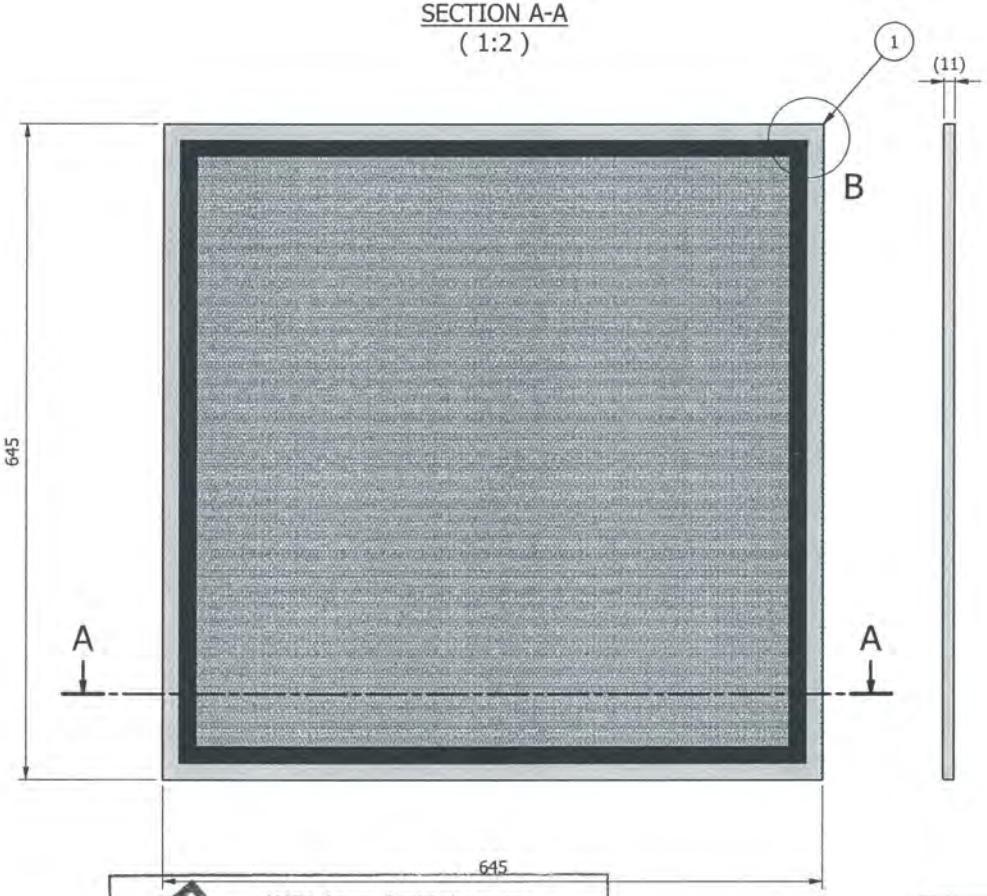
Show details on attached sheet

IF IN DOUBT ASK



SECTION A-A
(1:2)

DETAIL B
(1:2)



ISOMETRIC

NATA Accredited Laboratory
Number: 15147

This laboratory is accredited by the National Association of Testing Authorities, Australia. The tests reported herein have been performed in accordance with its scope of accreditation. This document shall not be reproduced, except in full.

Checked by:

REV. No	REVISION DESCRIPTION	DRAWN	DATE	APP. BY	DATE
A	INITIAL RELEASE - PREVIOUS REVISIONS SUPERSEDED	SMH	15/10/14		

REVISION HISTORY

Prowler Proof
Gershwin Pty Ltd

PROWLER PROOF

122 BUCHANAN RD
BANYO, QLD. 4014
PH: +61 7 3363 0666
FAX: +61 7 3267 5411

DRAWN: SMH	DATE: 15/10/2014	TITLE: KNIFE SHEAR TEST-PROTEC
CHECKED	DATE	
APPR.	DATE	
PART NUMBER: P10-000103		DRAWING DOCUMENT FILE NAME: P10-000103.idw; MODEL DOCUMENT FILE NAME: P10-000103.iam
RAW MATERIAL	PROWLER PROOF STOCK CODE:	

SHEET 1 OF 1
SCALE: SEE VIEW
REV: A

UNLESS OTHERWISE SPECIFIED
X = ±1mm
X.X = ±0.5mm
X.XX = ±0.25mm
MACHINE FINISHES = 12
= ± 1°

ALL DIMENSIONS IN MILLIMETERS
ALL THREAD TO BE METRIC COARSE
ALL WELDS TO AS1554
ALL BURRS AND SHARP EDGES TO BE REMOVED

3RD ANGLE PROJECTION

DO NOT SCALE DRAWING | WEIGHT: 5 kg | SHEET SIZE: A3

FILE NAME:PP DRAWING.idw REV: A

4 of 4