

ASSA ABLOY AUSTRALIA

TEST REPORT 2012059-11

**ForceField
Sliding Security Screen Door
Sample Number – 145984-6**

FOR

Prowler Proof



NATA Accredited Laborator
Number: 14426

Accredited for compliance with ISO/IEC
17025

Date of issue: 12/09/2012

ASSA ABLOY Australia

Test Report Sliding Security Screen Door

Test Report Number: 2012059-10	Project Number: 10541
Manufactured By: Prowler Proof	Date of Submission: 24/09/2012
Tested By: A Sterrenberg and C Horton	Date: 24/09/2012
Certified By: A Sterrenberg	Date: 24/09/2012
Witnessed By: Michael Henry	Date: 24/09/2012

Details of Test Door

Type:	Sliding security screen door
Make or Model:	ForceField
Sample Number:	145984-6
Frame Size:	2040mm x 1260mm
Framing Material:	Pinus Radiata
Constructional Description of Test Security Sliding Door:	
An aluminium sliding security screen door containing woven stainless steel mesh infill	

Details of Test door Infill

Type and Fabrication Method:	Woven stainless steel mesh
Manufacturer's Name / Part Number:	Meshtech International - SS Mesh BK
<u>Type 3 Mesh Infill (if applicable)</u>	
Material Type and Grade:	0.8mm 316 Stainless Steel woven mesh - plain weave 11x11 strands per inch - powder coated black
Mass per m² (kg):	-
Knife Shear Test:	See attached knife shear test report

(Above details supplied by customer not by testing authority)

Test Report
Sliding Security Screen Door
 Test Rig # S-003.

Dynamic Impact Test – AS 5039/5041

Measurement Before Impact Test at Impact Point (datum reading):			
Test	Remarks	Pass	Fail
Impact One:	Grille secure in frame.	✓	-
Impact Two:	Grille secure in frame.	✓	-
Impact Three:	Grille secure in frame.	✓	-
Impact Four:	Grille secure in frame.	✓	-
Impact Five:	Grille secure in frame.	✓	-
150mm Diameter Probe test using R.M.F:	-	✓	-
Probe test:	-	✓	-

Jemmy Tests – AS 5039/5041

Location	Remarks	Pass	Fail
Centre Locking Point:	Locking point secure.	✓	-
Bottom Locking Point:	Locking point secure.	✓	-
Top Locking Point:	Locking point secure.	✓	-

Infill Pull Tests – AS 5039/5041

Location	A 450mm Maximum	B 150mm Maximum	C 100x100mm Maximum	D	E	Pass	Fail
Horizontal, Locking point (2.0kN):	No gap arose to allow for pull tests - Pass						
Centre of Infill (1.5kN):							
Centre of Locking side (1.5kN):							
Centre of Non-Locking Side (1.5kN):							
Top Rail Centre (1.5kN @ 18°):							
Bottom Rail Centre (2.0 kN):							
Bottom Non-Locking Corner (1.5kN @ 45° + 18°):							

- 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.

Overall Test **Pass**

Remarks:

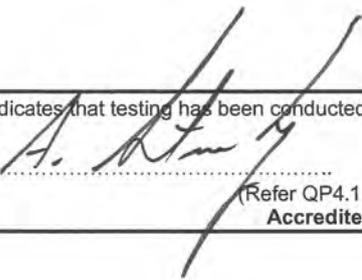
Impact test - Pass.

Jemmy tests - Pass

Pull tests - No gap arose to allow for pull test - Pass

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

A. Sternberg

Date 12/09/12

(Refer QP4.1.2.2.1 "Position Requirements Procedure")
Accredited for compliance with ISO/IEC 17025

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

General

Model Number / Name:	ForceField		
Sample Number:	145984-6		
Manufactured By:	Gershwin Pty Ltd trading as Prowler Proof		
Date of Submission:	24/09/12		
Description:	Sliding security screen door		
	DRAWINGS: COMPLETE ATTACHED SHEETS		
	(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:	FFD
Attached Dimensional Drawing-	Number:	Issue:	
Material Type and Grade:	Aluminium 6060-T5		
Surface Finish:	Powder coated		
Mass per Metre Length (kg):	-		
Mounting Frame Material:	See attached CAD drawings		
	(Attach drawings if necessary)		

Corner Stake – N/A Welded corners**Locks**

Type: (Description of mechanism including cylinder)	Lockwood 8653 triple point security door with Lockwood anti drill euro 5-pin cylinder		
Manufacturer's-	Name: Assa Abloy	Part Number:	8653
Construction Material-	Body: Cast zinc	Striker:	Stainless steel
Number of Locking Points:	Three (3)		
Handle (furniture) Identification:	8653 Lock furniture		
Means of Mounting:	As per Manufacturer's instructions		
Mounting Location:	See attached CAD drawings		

Infill

Type and Fabrication Method:	Woven stainless steel mesh									
Manufacturer's-	Name:	Meshtec International	Part Number:	SS Mesh BK						
Attached Dimensional Drawing-	Number:	Refer attached shear test	Issue:	-						
Material Type and Grade:	0.8mm 316 Stainless Steel									
Surface Finish:	Powder coated									
Diameter of Type 3 Infill:	0.8mm									
<u>Fastener Details:</u>										
Type:	Bonded – Every contact point			Part Number:	-					
Material	Alum	<input type="checkbox"/>	St.Steel	<input type="checkbox"/>	Monel	<input type="checkbox"/>	Steel	<input type="checkbox"/>	OTHER	<input checked="" type="checkbox"/>
Surface Finish:	-									
Length and Diameter:	-									
Number Used and Location:	See attached CAD drawings									
(Attach drawings if necessary)										

Track

Type:	Sill Track – AL6060T5 Head track – 25x25mm AL6060T5									
Manufacturer's-	Name:	-			Part Number:	Sill – 100100 Head - 100225				
Attached Dimensional Drawing-	Number:	AS5039-SLLD SD2001			Issue:	11/11/2012				
Material Type and Grade:	Aluminium 6060 T5									
Surface Finish:	Powdercoat									
<u>Fastener Details:</u>										
Type:	Assy Pan Head AW20 4.5x25mm			Part Number:						
Material	Alum	<input type="checkbox"/>	St.Steel	<input type="checkbox"/>	Monel	<input type="checkbox"/>	Steel	<input type="checkbox"/>	OTHER	<input checked="" type="checkbox"/>
Surface Finish:	Zn plate									
Length and Diameter:	4.5x25mm									
Number Used and Location:	See attached CAD drawings									
(Attach drawings if necessary)										

Interlock

Type:	Interlock HD 3mm		
Manufacturer's-	Name:	-	Part Number: 102387
Attached Dimensional Drawing-	Number:	AS5039-SLLD SD1000	Issue: 11/11/2012
Material Type and Grade:	AL6060 T5		
Surface Finish:	Powdercoat		
<u>Fastener Details:</u>			
Type:	Tapping screw DIN ISO 7049 - ST3,5 x 25 - C - Z		
	Part Number:	100641	
	ASSY-Pan Head AW20 4.5x25mm		
Material	Alum	St.Steel	Monel
			Steel
			OTHER
Surface Finish:	-		
Length and Diameter:	3.5x25mm / 4.5x25mm		
Number Used and Location:	See attached		
(Attach drawings if necessary)			

Rollers

Type:	Speed Fit off set roller		
Manufacturer's-	Name:	Lincoln Sentry	Part Number: 3305206
Attached Dimensional Drawing-	Number:	-	Issue: -
Number Used and Location:	4 total, 2 top and 2 bottom		
(Attach drawings if necessary)			

Lock Stile Receiver Channel

Type:	U Channel - 25x20mm		
Manufacturer's-	Name:		Part Number: 100188
Attached Dimensional Drawing-	Number:	AS5039-SLLD SD1000	Issue: 11/11/2012
Material Type and Grade:	AL6060 T5		
Surface Finish:	Mill		

Manufactured By: Prowler Proof

Sample Number: 145984-4

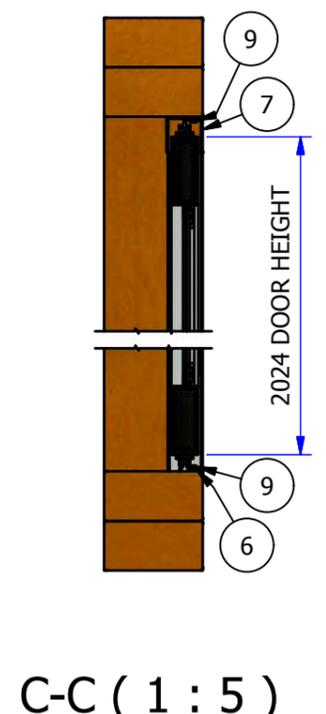
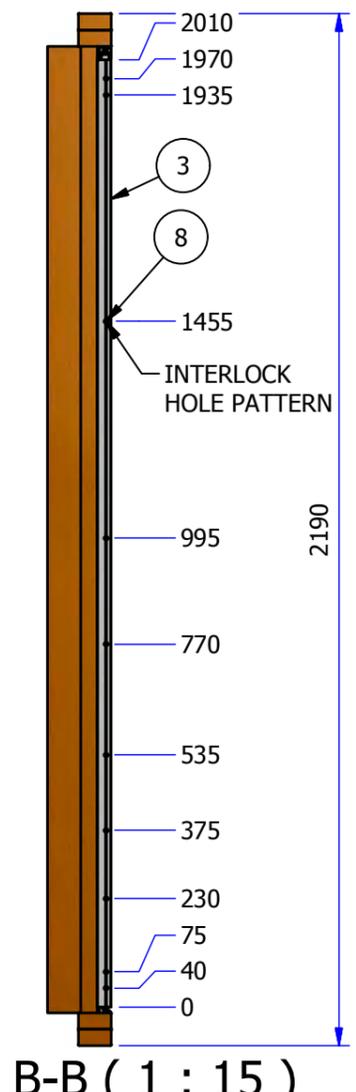
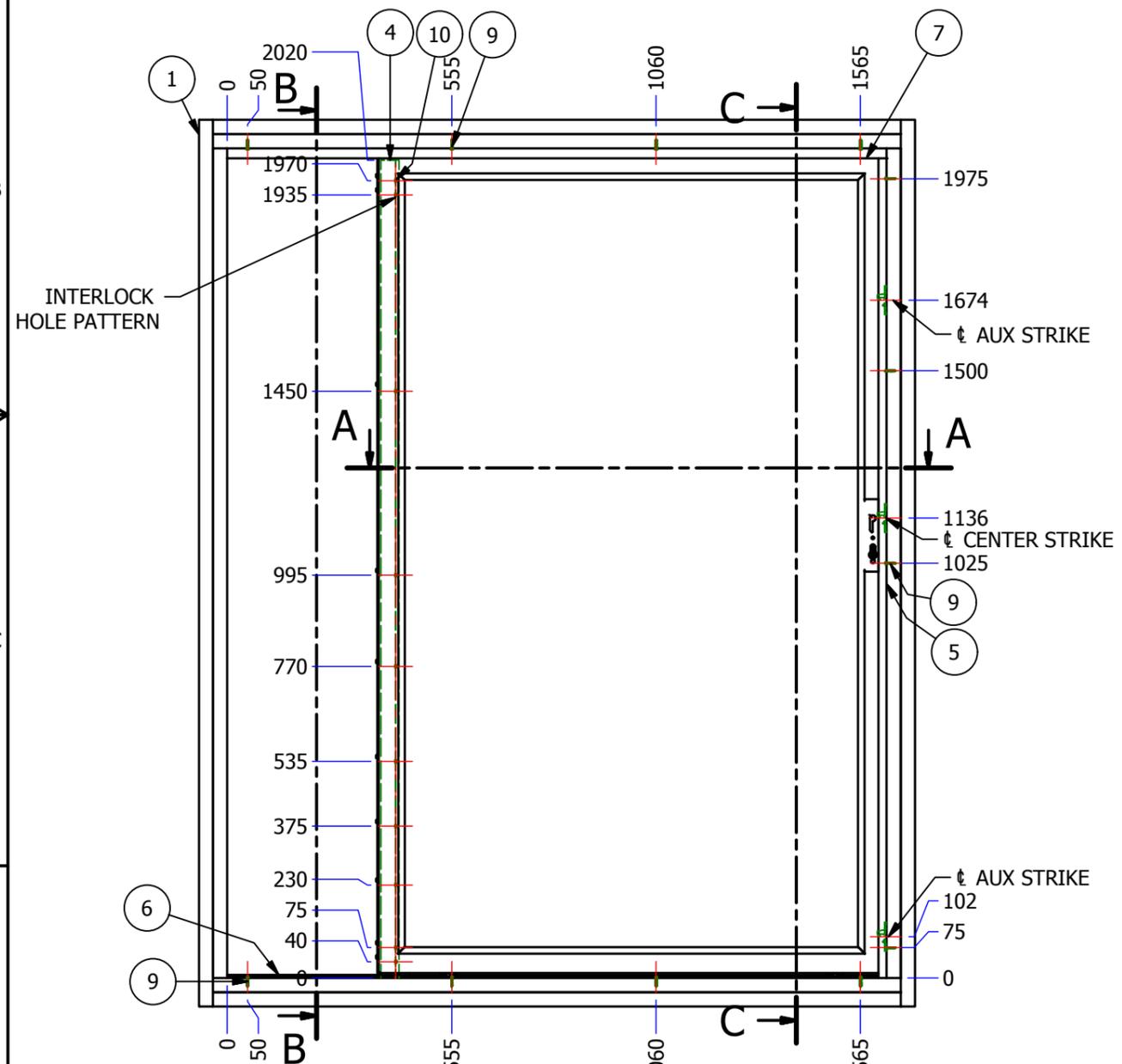
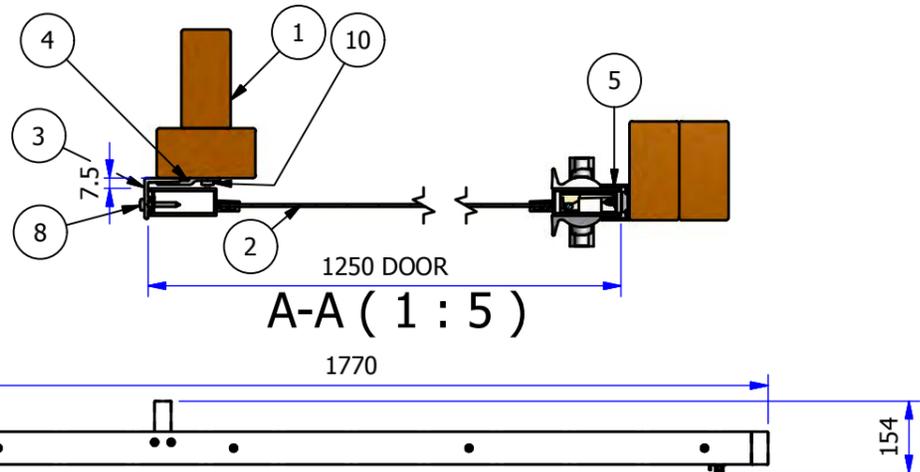
Size of Door and Location of Locking Points, Rollers and Mid-Rail – Refer attached CAD Drawing ForceField - Sliding door

Means of Securing Infill to Framing, Location of Welds / Fasteners – Refer attached CAD Drawing ForceField - Sliding door

End

BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	STOCK NO./DESC.	MATERIAL	LENGTH	WIDTH
1	1	SLIDING DOOR - PINE TEST FRAME	AS5039-FF SD2004			
2	1	ForceField - Sliding Door	AS5039-FF SD2001			
3	1	Interlock HD Door	102190	Alu 6060	2010	
4	1	Interlock HD 3mm	102387	Al 6060 T5	2020	
5	1	U Channel - 25x20mm	100188	Al 6060 T5	2025	
6	1	Sill Track	100100	Al 6060 T5	1627.5	
7	1	Sliding Head Track - 25x25mm	100225	Al 6060 T5	1630	
8	10	Zebra Pias-Pan Head AW20 4.2x25mm	100640	Steel, Mild		
9	12	Tapping screw DIN ISO 7049 - ST3,5 x 25 - C - Z		Generic		
10	10	ASSY-Pan Head AW20 4.5x25mm	100641	Mild Steel		



ISOMETRIC VIEW

Prowler Proof GERSHWIN PTY LTD 122 BUCHANAN RD BANYO, QLD. 4014 PH: +61 7 3363 0666 FAX: +61 7 3267 5411	DRAWN	DATE	TITLE:	PROCESS CODE:
	CAD	15/11/2012	AS5039 - Testing	
	CHECKED	DATE	ForceField - Sliding Door Testing Sample	SHEET 1 OF 1
	APPR.	DATE	PART NUMBER: AS5039-FF SD1000	SCALE NTS
	RAW MATERIAL	MATERIAL THICKNESS	DRAWING DOCUMENT FILE NAME: AS5039-FF SD1000 A3.idw MODEL DOCUMENT FILE NAME: AS5039-FF SD1000.iam	REV.
			STOCK NUMBER / DESCRIPTION	

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UNLESS OTHERWISE SPECIFIED
 XX = ± 1mm
 X.X = ± 0.5mm
 XX.XX = ± 0.25mm

MACHINE FINISHES = 3.2/√

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

DO NOT SCALE DRAWING

WEIGHT: 44.20 kg

PROJECTION 3RD ANGLE

SHEET SIZE: A3

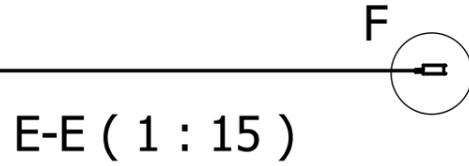
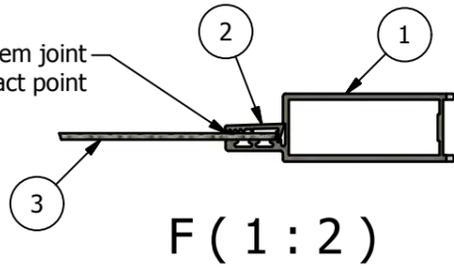
INV.

REV. No	REVISION DESCRIPTION	DRAWN	DATE	APP. BY	DATE
1	REVISION HISTORY				

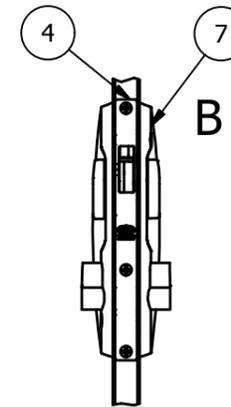
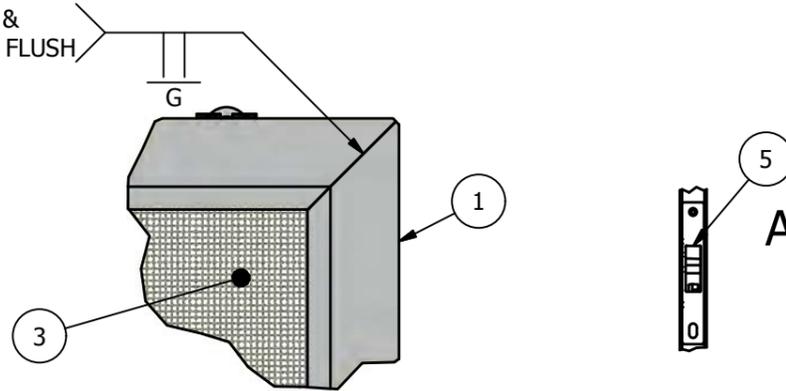
BILL OF MATERIALS

ITEM	QTY	DESCRIPTION	STOCK NO./DESC.	MATERIAL	LENGTH	WIDTH
1	4	FFD 5800mm MF	100004	Al 6060 T5		
2	6	FF Retainer 3000mm BLK	100089	R-PVC		
3	1	SS MESH 1200 X 2000MM BK	100026	SS, T316	1924	1150
4	1	102424 Lockwood - 8653 Lock Body	102424	Generic		
5	2	Lockwood 8653 Auxiliary Lock	102532	Generic		
6	1	Lockwood - 8653 Connecting Bar (Rods)	102168	Generic		
7	1	Lockwood - 8653 Furniture Pack - Black	102165	Generic		
8	4	Speed Fit - Offset SSteel Roller	100712	Generic		

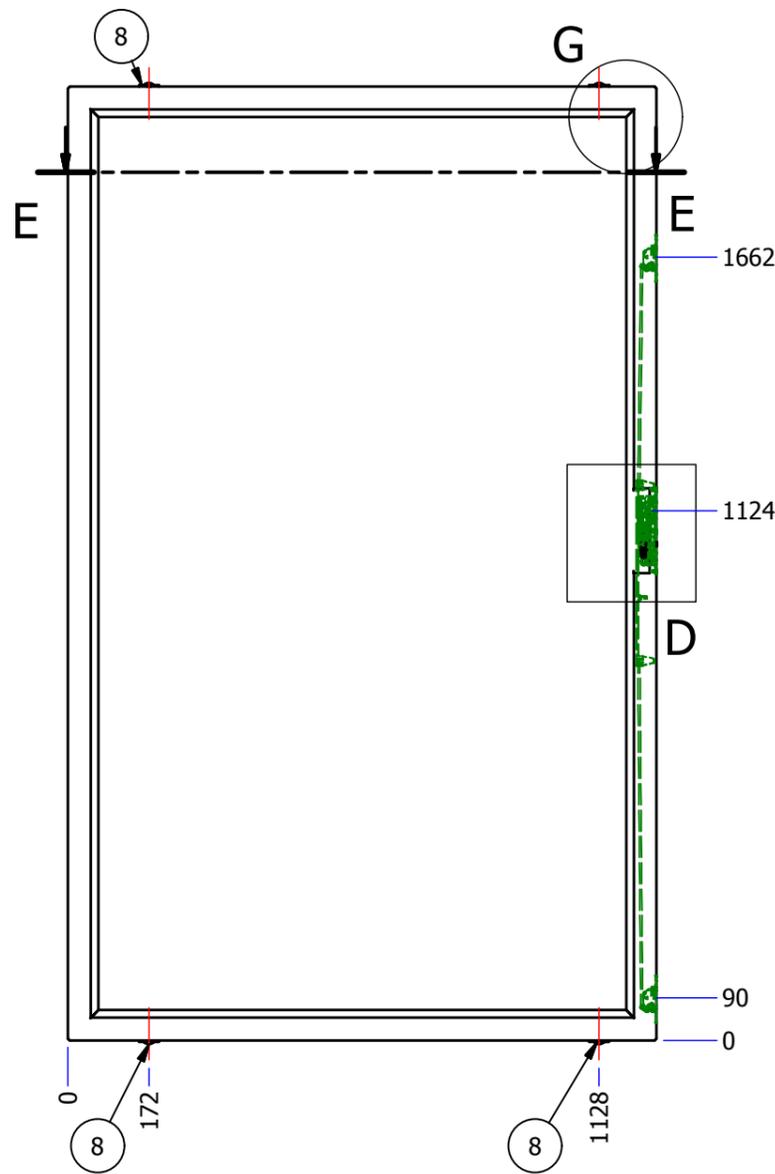
Synthetic Bond System joint
Bonded at every contact point



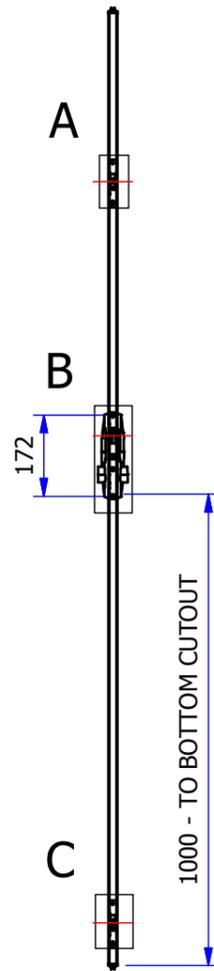
WELDED &
GROUND FLUSH



ISOMETRIC VIEW



FRONT VIEW 1



Prowler Proof

GERSHWIN PTY LTD
122 BUCHANAN RD
BANYO, QLD. 4014
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FAX: +61 7 3267 5411

DRAWN CAD	DATE 15/11/2012	TITLE: AS5039 - Testing		PROCESS CODE:
CHECKED	DATE	ForceField - Sliding Door		SHEET 1 OF 1
APPR.	DATE	PART NUMBER: AS5039-FF SD2001	DRAWING DOCUMENT FILE NAME: AS5039-FF SD2001.idw	SCALE NTS
RAW MATERIAL	MATERIAL THICKNESS	STOCK NUMBER / DESCRIPTION AS5039-FF SD2001	MODEL DOCUMENT FILE NAME: AS5039-FF SD2001.iam	REV.

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UNLESS OTHERWISE SPECIFIED
XX = ± 1mm
X.X = ± 0.5mm
XX.XX = ± 0.25mm

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

PROJECTION
3RD ANGLE

DO NOT SCALE DRAWING

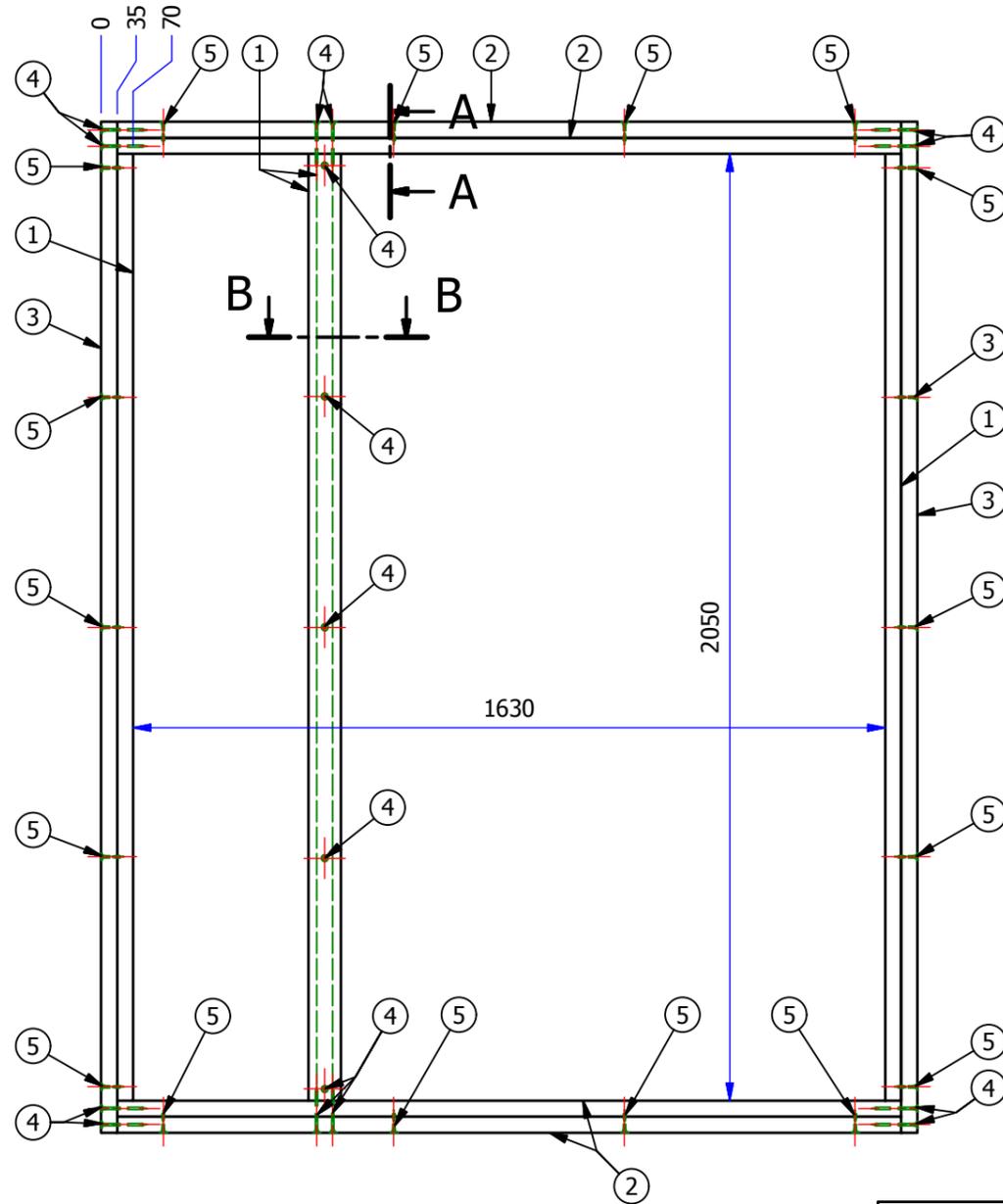
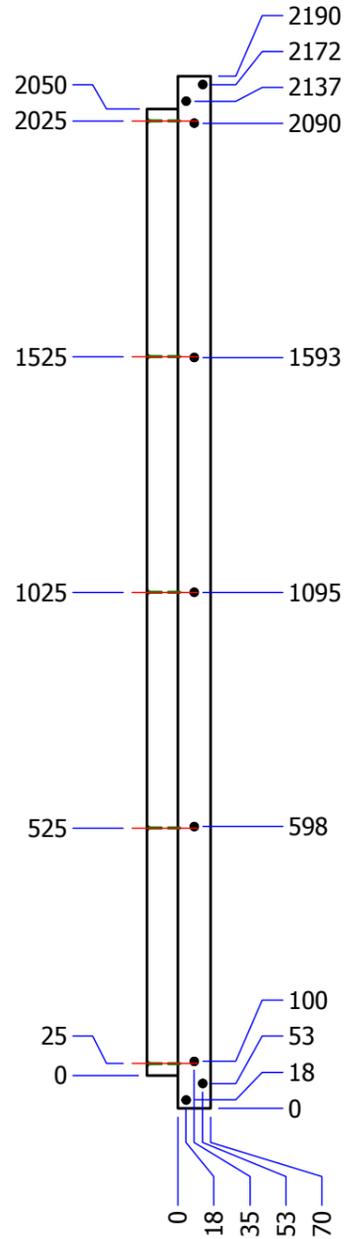
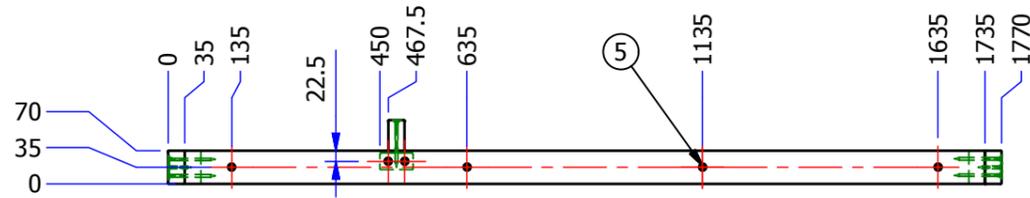
WEIGHT: 12.35 kg

SHEET SIZE: A3 INV.

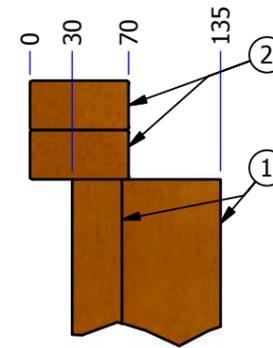
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REVISION HISTORY					

BILL OF MATERIALS

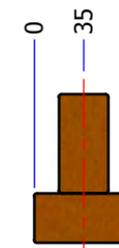
ITEM	QTY	DESCRIPTION	STOCK NO./DESC.	MATERIAL	LENGTH	WIDTH
1	4	Pine Stud 70x35		Pine	2050	35
2	4	Pine Stud 70x35		Pine	1700	35
3	2	Pine Stud 70x35		Pine	2190	35
4	17	Bugle Head Batten Screw 14gx100mm		Steel, Mild	100	
5	18	Bugle Head Batten Screw 14gx50mm		Steel, Mild	50	



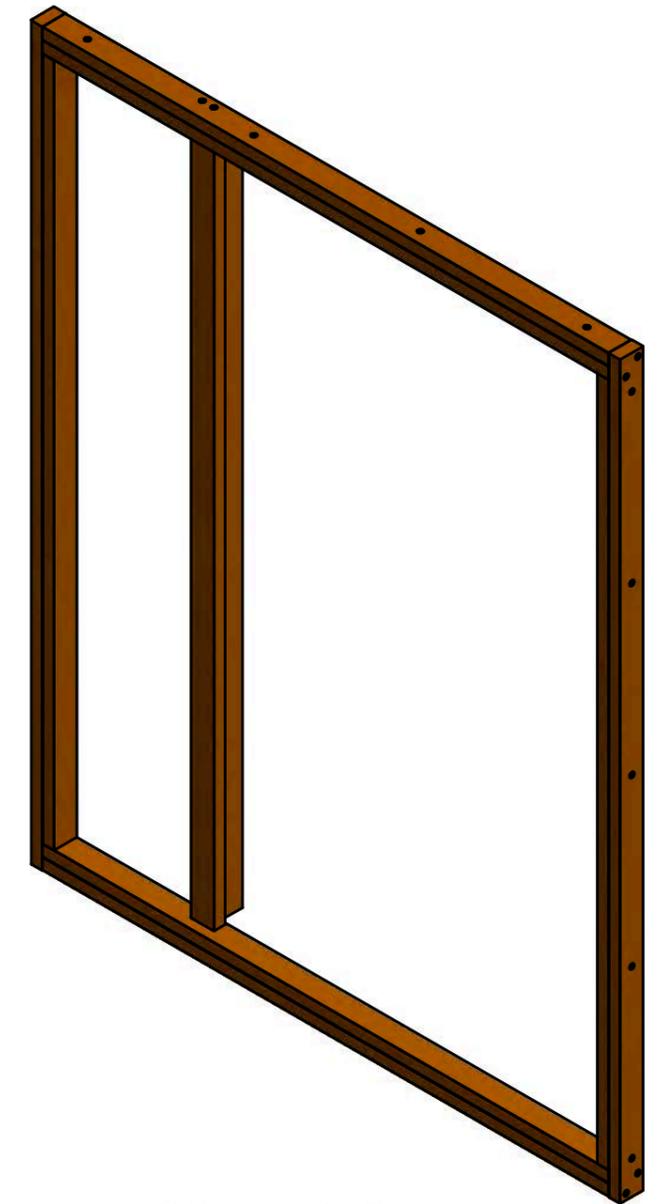
FRONT VIEW 1 (1 : 15)



A (1 : 5)



B-B (1 : 5)



ISOMETRIC VIEW

<p>Prowler Proof GERSHWIN PTY LTD 122 BUCHANAN RD BANYO, QLD. 4014 PH: +61 7 3363 0666 FAX: +61 7 3267 5411</p>	DRAWN CAD	DATE 15/11/2012	TITLE: AS5039 - Testing	PROCESS CODE:
	CHECKED	DATE	SLIDING DOOR - PINE TEST FRAME	SHEET 1 OF 1
	APPR.	DATE	PART NUMBER: AS5039-FF SD2004	SCALE NTS
	RAW MATERIAL	MATERIAL THICKNESS	STOCK NUMBER / DESCRIPTION AS5039-FF SD2004	REV.
<p>* THIS DRAWING AND ITS CONTENTS ARE CONFIDENTIAL AND ARE SUBJECT TO RETURN ON DEMAND AND MAY NOT BE COPIED OR DISCLOSED TO ANY THIRD PARTY OR USED DIRECTLY OR INDIRECTLY FOR ANY OTHER PURPOSE THAN AS EXPRESSLY DETERMINED IN WRITING BY Gershwin Pty. Ltd.</p>		<p>UNLESS OTHERWISE SPECIFIED XX = • 4mm X.X = • 0.5mm XX.XX = • 0.25mm</p> <p>MACHINE FINISHES = 3.2/√</p> <p>ALL DIMENSIONS IN MILLIMETERS ALL THREAD TO BE METRIC COARSE ALL WELDS TO AS1554 ALL BURRS AND SHARP EDGES TO BE REMOVED</p>		<p>PROJECTION 3RD ANGLE</p>
DO NOT SCALE DRAWING		WEIGHT: 29.25 kg	SHEET SIZE: A3	INV.

REV. No	REVISION DESCRIPTION	DRAWN	DATE	APP. BY	DATE
1	REVISION HISTORY				



Product Information

No	Item	Method/ Specification
1	Mesh	Stainless steel mesh
2	Wire specs	High tensile stainless steel
3	Diameter	0.8 ± 0.015 mm
4	Alloy	Grade 316
5	Mpa	860-940 Mpa
6	Weave Type	Plain weave
7	Number of strands per inch / 25.4mms	11/10.5 per inch
8	Finish (Woven)	Wire Mesh (ISO9044/ASTM E2016-06)
9	Basic pre-treatment	Alkaline cleaning/Acid etching
10	Finish (powder coat) brand and type of powder	Interpon D610 (Akzo Nobel) , Polyester
11	Colour	Ultra Black Low Sheen
12	Testing	AS3715-2002,AAMA2603-05,AAMA2605-05
13	Internal testing on wire and finish	See the internal testing (second page)
14	External testing to relevant architectural standards	Salt Spary : 10 000 Hrs (Akzo Nobel)  Salt Spary : 10 000 Hrs (Akzo Nobel)
15	Knife shear test	AS5041-2003 Section 8.
16	Open Area Space Specification	42.5%



Internal Testing

Test Requirement

No	Test	Test Method	Specification
1.	Gloss at 60°	AAMA 2605-05 Section 7.2	Series 610 : 37+/-5
2.	Coating thickness	AS3715-2002 Section 2.5.3	Minimum coating thickness : 60 µm
3.	Impact Resistance	AAMA 2605-05 Section 7.5	No removal of film from substrate
4.	Indentation	AS3715-2002 Section 2.5.6	Buchholz > 80
5.	Adhesion	AAMA 2605-05 Section 7.4.1.1	No removal of film under the tape within or outside of the cross-hatched area or blistering anywhere.
6.	Bend Test	QUALICOAT Section 2.7	Bending around a 5 mm mandrel or an 8 mm mandrel. (Not show any sign of cracking or detachment)
7.	Polymerisation test	QUALICOAT Section 2.14	Cannot be scratched with a finger-nail.
8.	Resistance to boiling water	AAMA 2605-05 Section 7.4.1.3	No removal of film under the tape within or outside of the cross-hatched area or blistering anywhere.
9.	Color	AAMA 2605-05 Section 7.1	Color uniformity consistent with the color range
10.	Knife Shear Test	AS5041-2003 Section 8	Max 150 mms
12.	Tensile Test	ISO 682 1998,BS-EN 10002-1 2001.	860-940 Mpa
13.	Chemical Composition	Alloy Testing	Determine alloy 316,304 etc.

1

'O' Ring

Locating Lugs

Actuating Bar

Rod

Bottom Lock

Ensure Actuating Bar and Rods are assembled as shown prior to assembly to the door frame. With the 'TOP' mark facing the top of the door.

Keeping the Locating Lugs of the Actuating Bar facing the front edge of the stile, insert the rod assembly through the top cut-out and slide it through the door section. With the Top lock in the locked position connect the rod and push into place.

Pull bottom rod end through bottom cut-out. Connect to Bottom Lock and push into place.

2

Hub

Snib Selector

Selector Screw

Ensure Hubs are aligned so that Snib Selector can move freely. Adjust Interior Snib Selector by rotating the selector screw with a screwdriver. The arrow must point towards the interior face of the door when lock is fitted. **Do not overtighten.**

3

Top Lock

With the lock body in the factory set **Deadlock** position, insert into cutout. Ensure the Locating Lug on the Actuating bar engages correctly and secure with two 12mm countersunk self tapping screws supplied. The lock must be mounted in the position shown, as our product warranty cannot be assured if mounted upside down.

4

Assembling Indicator to lock. Slide Indicator wheel to required side prior to assembly. Drive post can only be inserted in lock body in the correct position. Insert lock indicator into interior side of lock body as shown.

Yellow plastic washer

If a rectangular punch is used, insert plastic washer as shown.

5

Position Exterior snib plate into position on the external furniture plate as shown.

6

Secure furniture plates to door section. Secure with two 25mm screws supplied.

7

Position the cylinder assembly in the lock body so that the cam rotates towards the front end of the door. Secure with 32mm countersunk metal thread screw supplied. **Do not overtighten this screw as it may jam the locking mechanism.**

8

With the cylinder assembled, insert key and rotate to the unlocked condition.

Insert high strength striker into lock body to test operation.

9

Installation of Bottom Auxiliary Lock

Step A. Ensure the lock is in the red "LOCKED" position. Gently push the bottom lock up towards the main lock until it stops.

Drill a 3mm hole in the centre of the slot, and loosely fit the first fixing screw.

Step B. Push the lock towards the bottom of the door, tighten the first screw.

Check the beak position as per Step 11. Unlock and lock the main lock to check operation.

Ensure the lock is in the red "LOCKED" position, drill and fasten the second screw.

10

Installation of Top Auxiliary Lock

Step A. Ensure the lock is in the red "LOCKED" position. Gently push the top lock down towards the main lock until it stops.

Drill a 3mm hole in the centre of the slot, and loosely fit the first fixing screw.

Step B. Push the lock towards the top of the door, tighten the first screw.

Check the beak position as per Step 11. Unlock and lock the main lock to check operation.

Ensure the lock is in the red "LOCKED" position, drill and fasten the second screw.

11

Checking of Top and Bottom Auxiliary Locks

For correct function the beak should remain secure when pressure is applied in deadlocked state.

Press here with screwdriver

To check correct function, deadlock the door and apply downwards pressure with a screw driver in position shown. If the beak releases the lock is now out of sync. Resynchronise the lock and adjust the lock slightly downwards. Deadlock and repeat test until beak is secure.

Resynchronising the Lock

If the lock is out of sync and cannot be operated. Remove the furniture plates and indicator assembly. Insert a small flathead screw driver into the indicator mechanism as shown. Turn the mechanism in the key locking direction. Check the operation of the lock.

12

Passage Mode

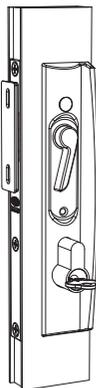
Rotate the key to put the lock into 'Passage Mode'. The indicator will show green and both snibs will be free to operate.

Privacy Mode

Rotating the key 90° will place the lock into 'Privacy Mode'. The indicator will show Yellow. The external snib will be locked and the internal snib free to operate. Alternatively turn the internal snib towards the door jamb to place the lock in Privacy mode.

Deadlock Mode

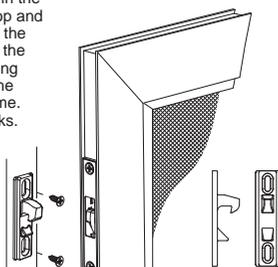
Rotating the key 180° will place the lock into 'Deadlock Mode'. The indicator will show Red. Both the external and internal snib will be locked and the lock can only be unlocked by using the key.



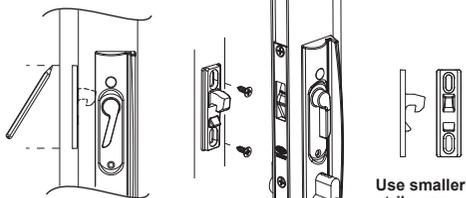
13

Mounting the Striker

With the strikers inserted in the main lock body and the top and bottom locks, either mark the position on the outside of the jamb or remove the backing from the tape and allow the strikers to stick to the frame. Remove strikers from locks.

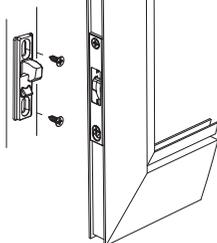


Use larger strikers on Top and Bottom locks



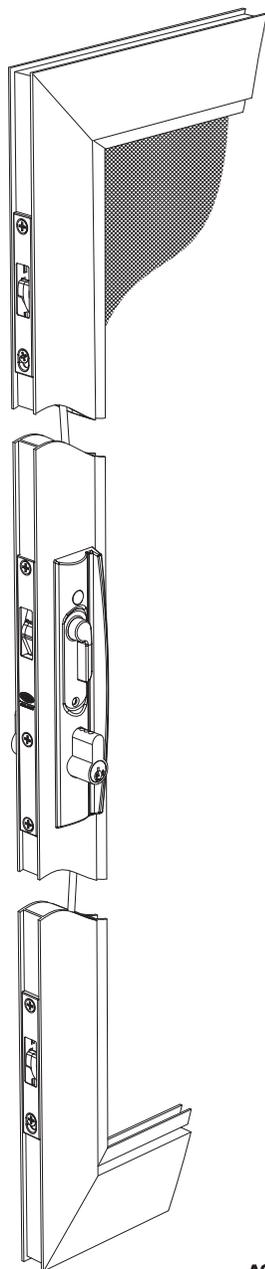
Use smaller striker on the Main lock

For the main lock drill two Ø3mm holes and fit to door jamb where marked using 12mm countersunk screws. Adjust striker to correct position and then tighten screws. For timber jambs use longer 10g screws provided. Repeat the process with the top and bottom strikers with the 8g screws



LOCKWOOD 8653 SECURITY SLIDING 3 POINT DOOR LOCK

INSTALLATION INSTRUCTIONS



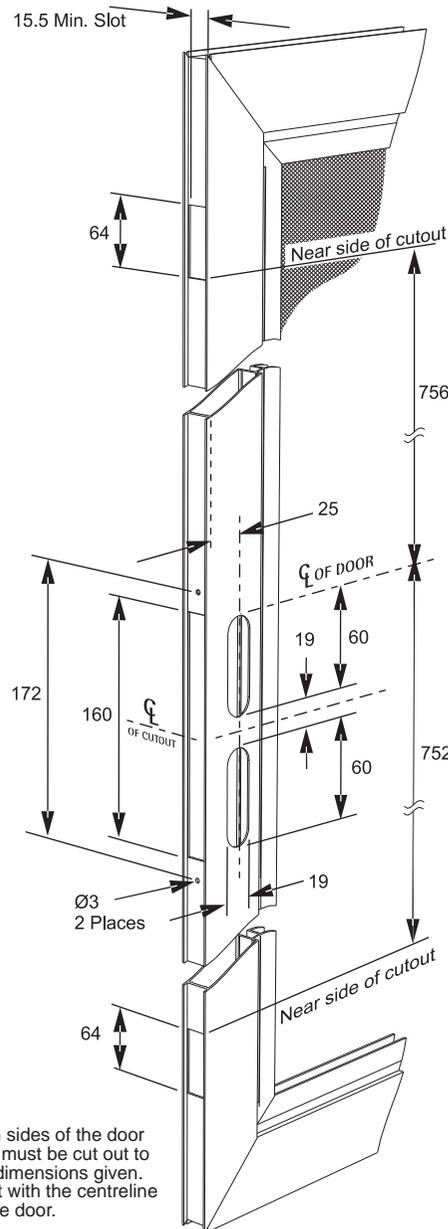
ASSA ABLOY

ASSA ABLOY Australia Pty Limited
235 Huntingdale Rd, Oakleigh, VIC 3166
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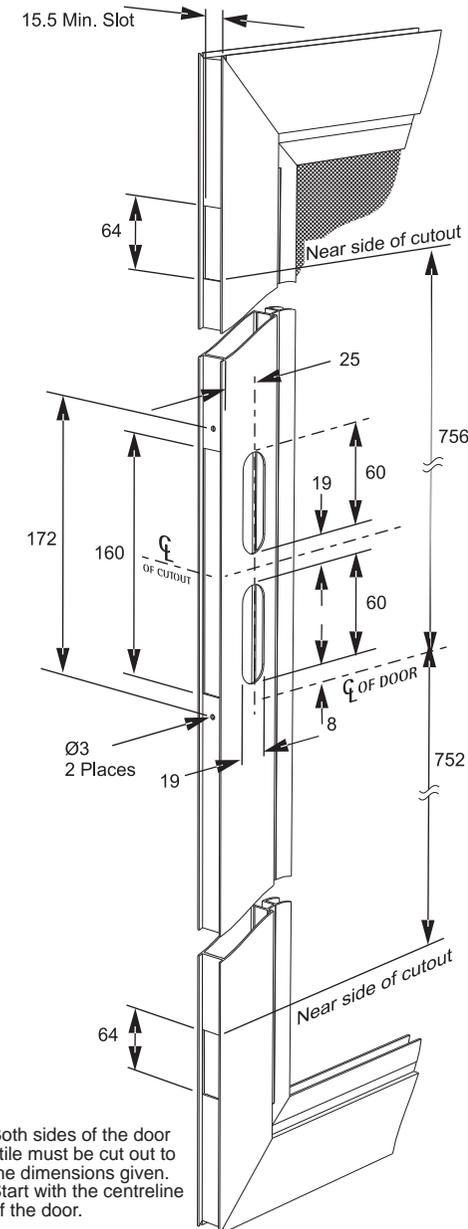
Part No. 8653-221 Iss. C 0811

Mounting of the handle below the centreline.



Both sides of the door stile must be cut out to the dimensions given. Start with the centreline of the door.

Mounting of the handle above the centreline.



Both sides of the door stile must be cut out to the dimensions given. Start with the centreline of the door.

LOCKWOOD GUARANTEE - ASSA ABLOY Australia Pty Limited ("ASSA ABLOY") warrants its Lockwood products against defects in workmanship and materials, subject to the limitations and exclusions set out in this Warranty. If, within the normal working life of a product, it is found to be defective, and none of the limitations and exclusions set out in this Warranty apply, ASSA ABLOY will supply the same or equivalent product free of charge. This is the only remedy granted by ASSA ABLOY under this Warranty. All electrical and electronic components used in ASSA ABLOY's Lockwood range of products (excluding batteries) are guaranteed for a period of 12 months from the date of proof of purchase, unless stated otherwise. Exclusions: This Warranty does not cover: 1. Damage to or malfunction or failure of the Lockwood product caused or contributed to by: (a) improper installation or failure to follow fitting instructions; (b) improper maintenance; (c) fair wear and tear; (d) any modification or repair which has not been authorized by ASSA ABLOY; (e) use of substitute or replacement parts or cylinders other than genuine ASSA ABLOY parts or cylinders; or (f) use of batteries other than those specified by ASSA ABLOY. 2. The cost of: (a) removal and/or replacement of the Lockwood product; (b) freight and/or traveling time; (c) replacement batteries; or (d) any modification or repairs to a Lockwood product, unless authorised by ASSA ABLOY. 3. Damage to or deterioration of the plated finishes Florentine Bronze, Architectural Bronze, Polished Brass, Gold and Satin Brass, which are classified as soft finishes, and are subject to deterioration under some environmental conditions. 4. Personal injury, property damage or economic loss, however caused. Symmetry® 5 Year Finish Warranty: ASSA ABLOY Australia Pty Limited will replace five-year branded Symmetry product if within five years from the proven date of purchase it tarnishes, discolours or corrodes when properly installed and subject to no more than fair wear and tear. Symmetry® Everbrass® Warranty: Everbrass product is coated both on the exterior and interior surfaces with a lifetime anti-tarnish finish. ASSA ABLOY Australia Pty Limited will replace Everbrass branded product if it corrodes, tarnishes or discolours when properly installed and subject to no more than fair wear and tear. This Warranty is in addition to and not in substitution for any rights of the purchaser under the Australian Consumer Law and state or territory legislation.