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TECHNICAL SPECIFICATION

RAW MATERIAL ALUMINIUM

(BS EN 515:1993, BS EN 573 – Part 1 - 4, BS EN 12020-1:2008, BS EN 12020-2:2008, BS EN 755 – Part 1 – 9, SLS 1410:2011)

Raw material chemical composition will be according to alloy standard EN AW 6063. This material has excellent resistance to atmospheric conditions, is readily machinable, and is weldable by MIG or TIG process. It responds well to polishing, chemical brightening, anodizing and electro colouring.

TEMPERS AVAILABLE : T1, T4, T5, T6

T1 - Cooled from hot working and naturally aged (at room temperature)
T4 - Solution heat treated and naturally aged
T5 - Cooled from hot working and artificially aged (at elevated temperature)
T6 - Solution heat treated and artificially aged

MECHANICAL PROPERTIES

Temper	- T5
Tensile Strength Rm, Min	- 175 Nmm-2
0.2% Proof Stress Rp 0.2, Min	- 130 Nmm-2
Elongation (A), Min	- 8%
Elongation (A50,mm), Min	- 6 %
Brinell Hardness, HBW Typical Value	- 65

ANODIZING

(BS EN 12373-1:2001, EN ISO 2360:2003, BS EN ISO 7599:2010 & SLS 1410:2011)
Anodizing Chemicals: Products of internationally renowned manufacturers are used.

POWDER COATING

(BS 6496:1984 & SLS 1411:2011)
Polyester powder (PE) from world renowned manufacturers is used.

PROFILE MEASUREMENTS

All dimensions and thicknesses will be as indicated in this handbook under individual pro- file details. The dimensions are subject to permissible manufacturing tolerances. Standard lengths: 3.65m, 6.10m, 6.50m (Roller shutter: 12ft, 14ft, 16ft, 18ft, 20ft)

SURFACE FINISHES

MILL FINISHED

(Without surface treatment)

NATURAL ANODIZED

(Natural aluminium colour)
Anodic oxidation coating thickness
10 - 15 microns
15 - 20 microns
20 - 25 microns (Special request only)

DARK BRONZE ANODIZED

(As per colour presently available in the market)
Anodic oxidation coating thickness
10 - 15 microns
15 - 20 microns (special request only)
20 - 25 microns (special request only)

Champagne, Medium Bronze, Black
(Available on request)

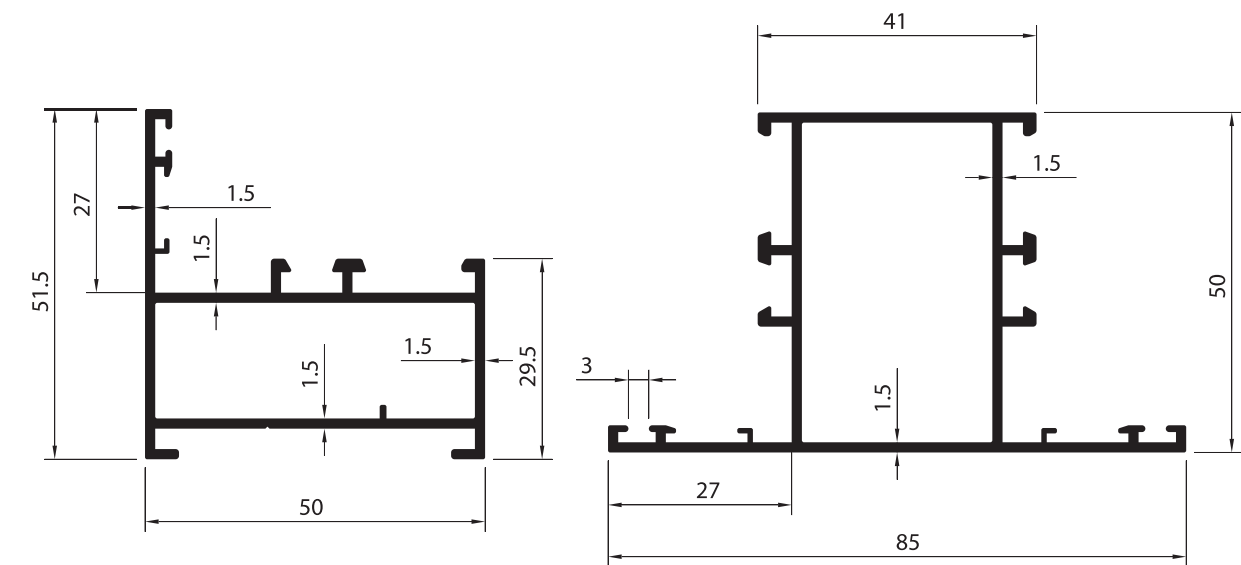
POWDER COATED

(Polyester PE Coating)
Film Thickness 60 - 80 microns

WOOD FINISHED

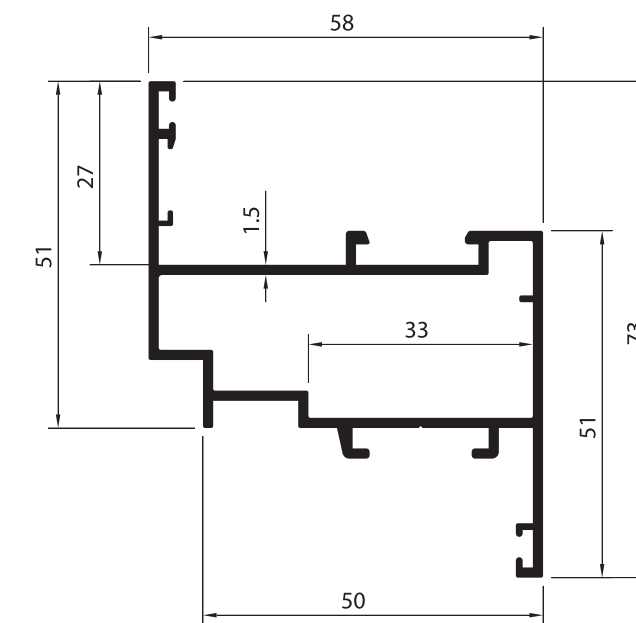
Product range: Mahogany, Teak, Jatoba, Walnut, Eucalyptus

"C" Groove Casement Window (Single and Double Glazing)

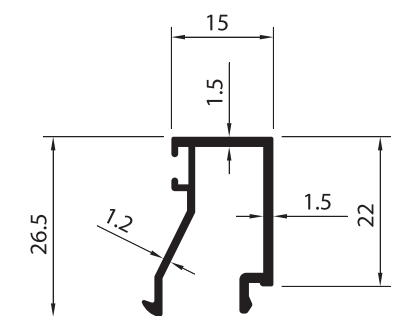


Profile No. - SA-1001
Est. Weight - 0.855 kg/m

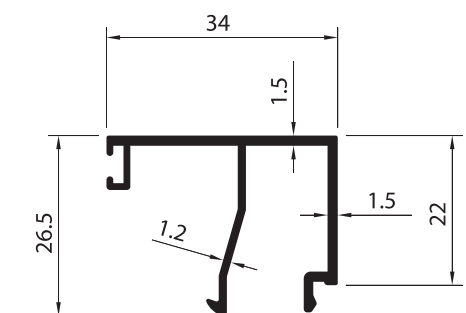
Profile No. - SA-1002
Est. Weight - 1.115 kg/m



Profile No. - SA-1003

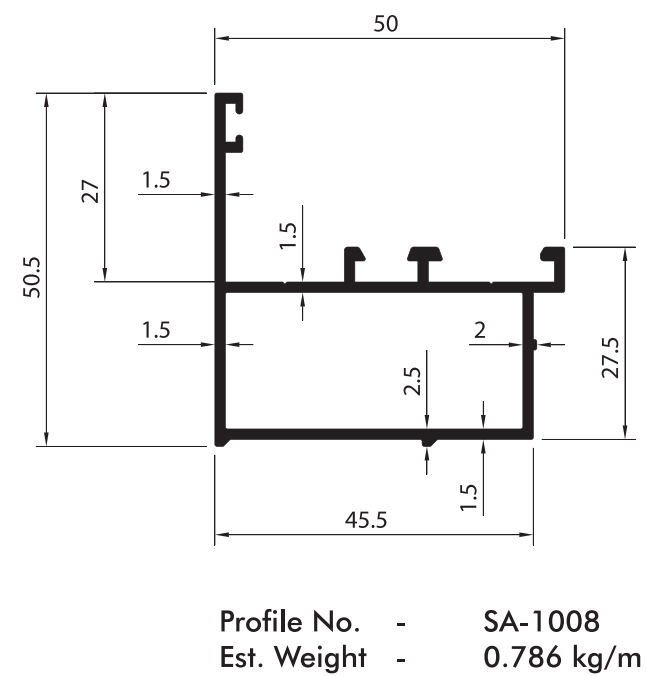
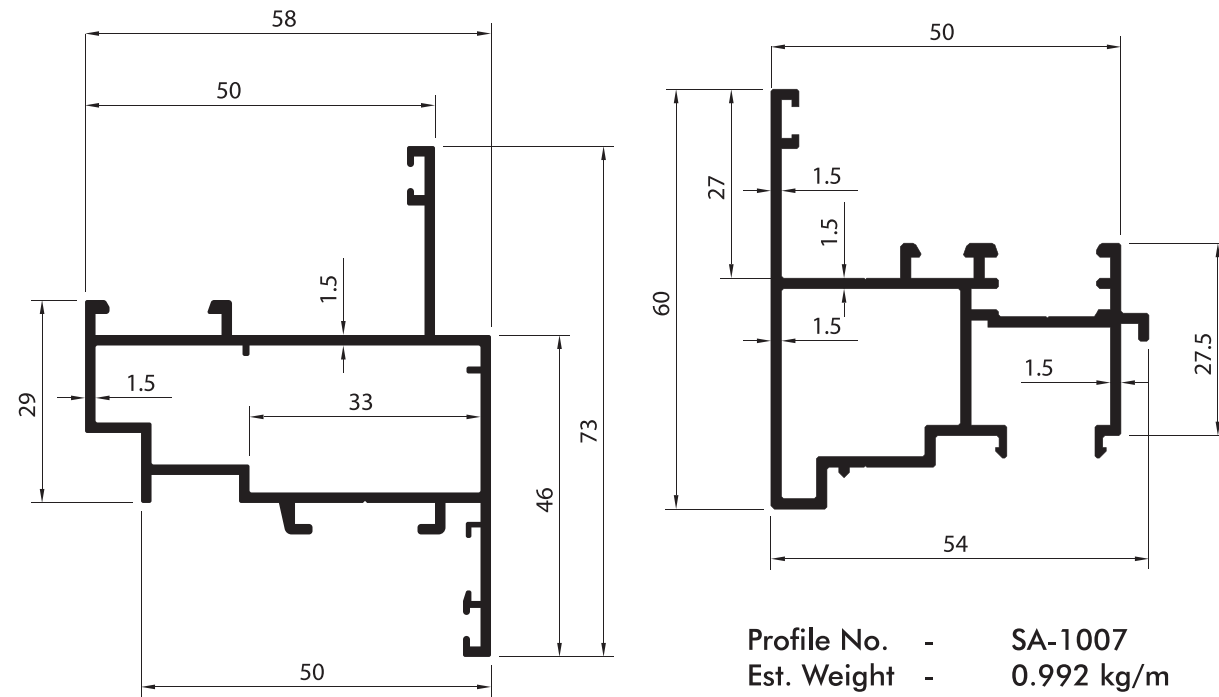


Profile No. - SA-1004
Est. Weight - 0.278 kg/m

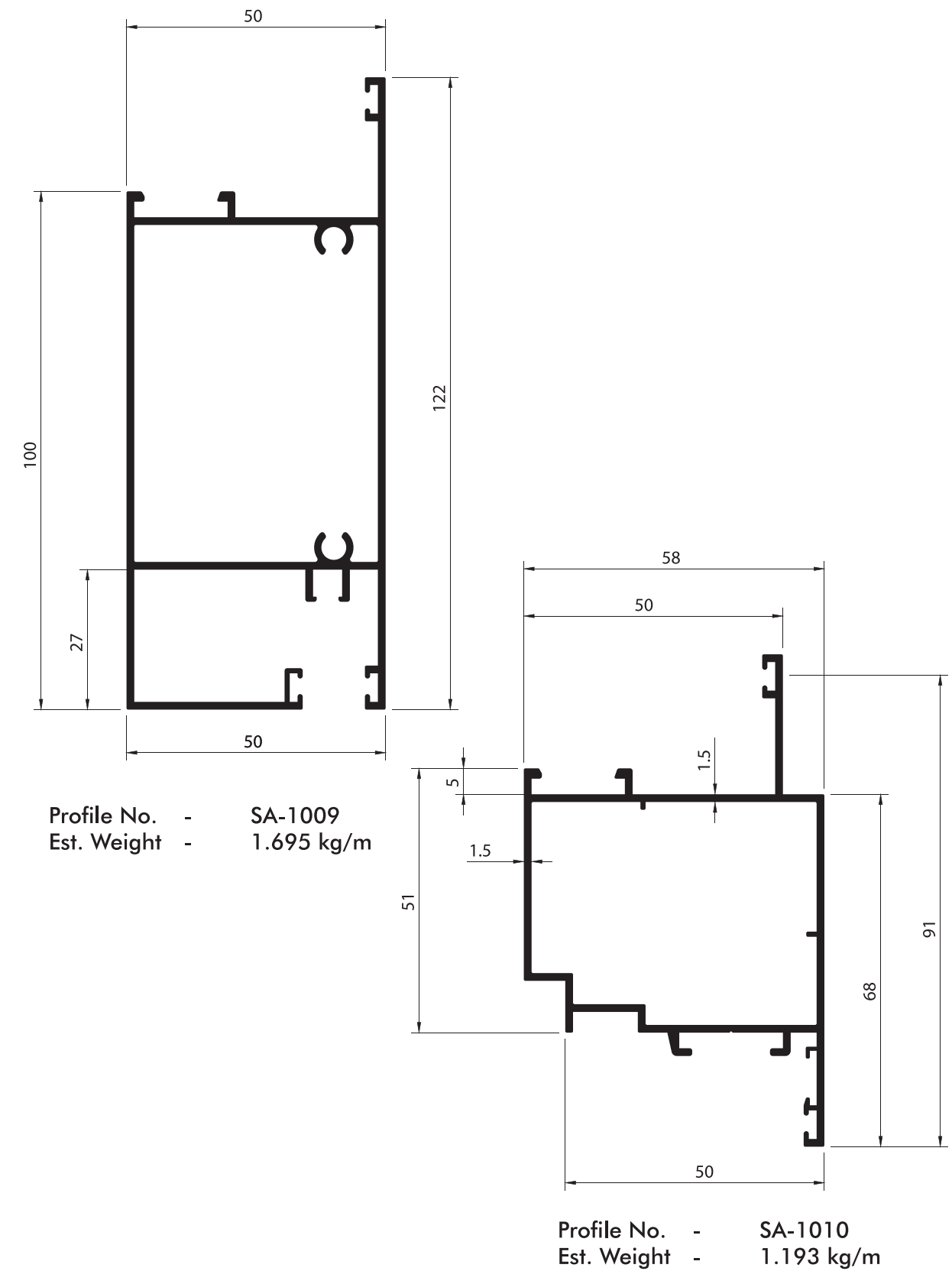


Profile No. - SA-1005
Est. Weight - 0.373 kg/m

"C" Groove Casement Window (Single and Double Glazing)



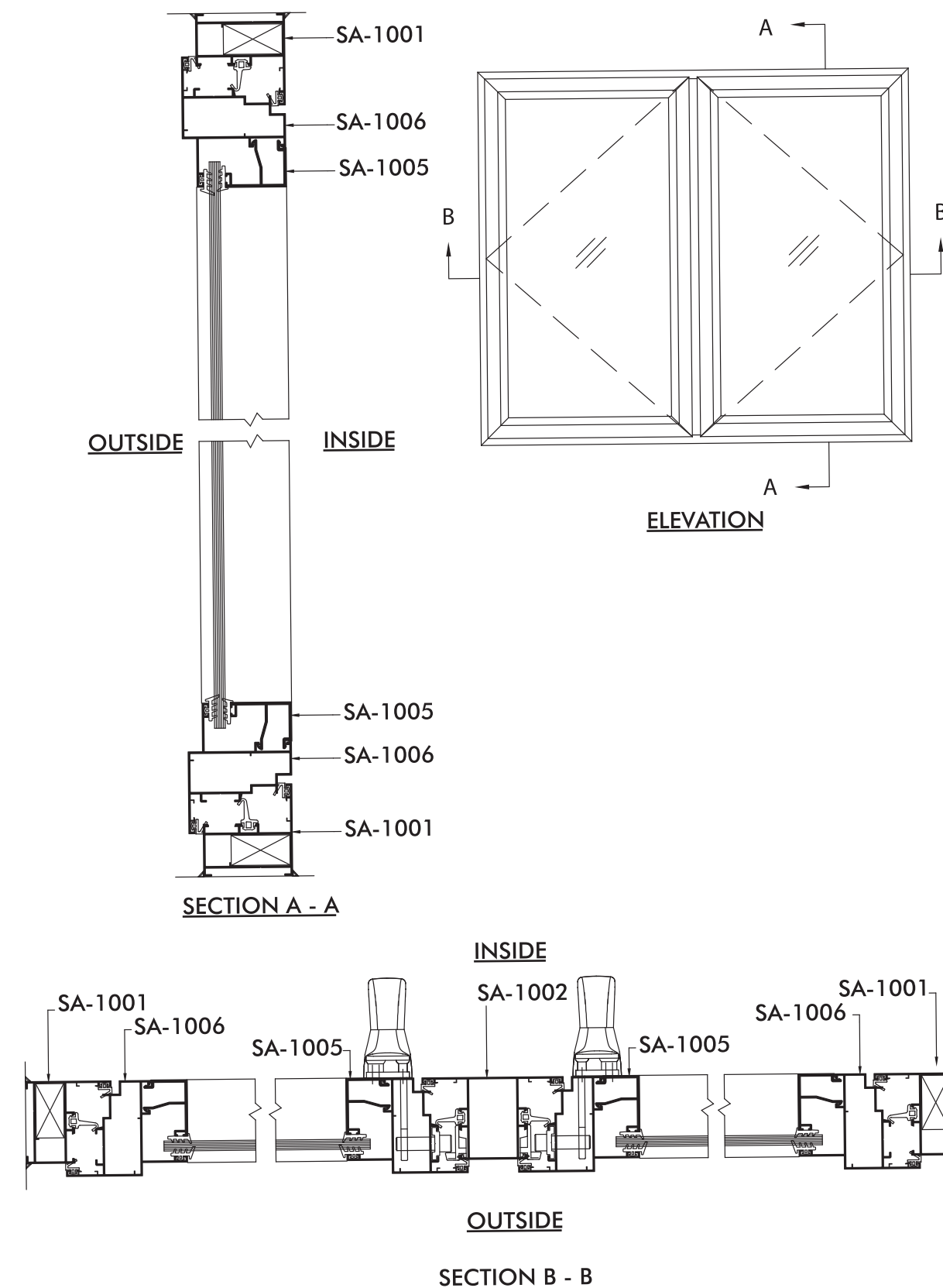
"C" Groove Casement Window (Single and Double Glazing)





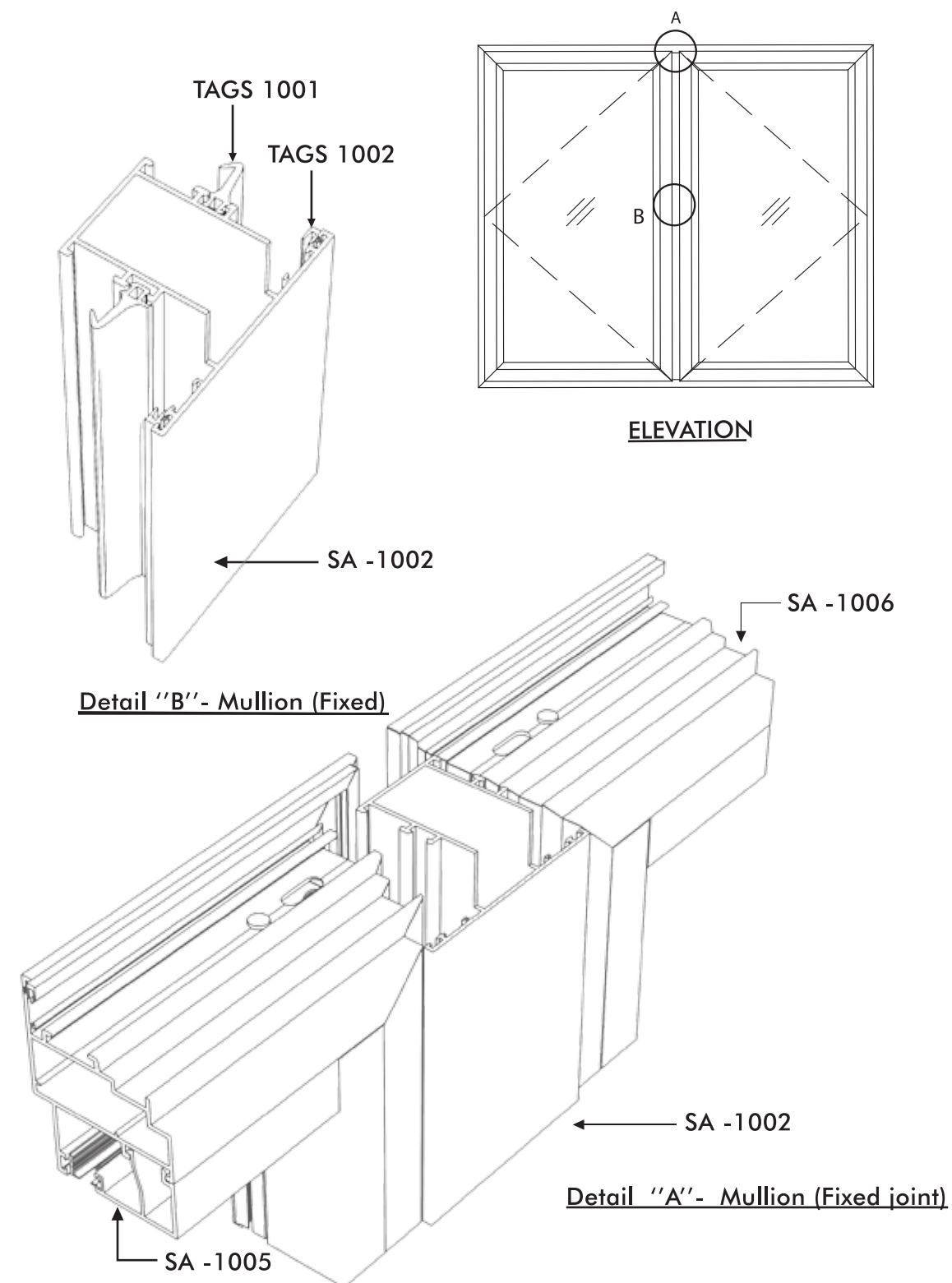
"C" Groove Casement Window (Single and Double Glazing)

50mm Casement Window



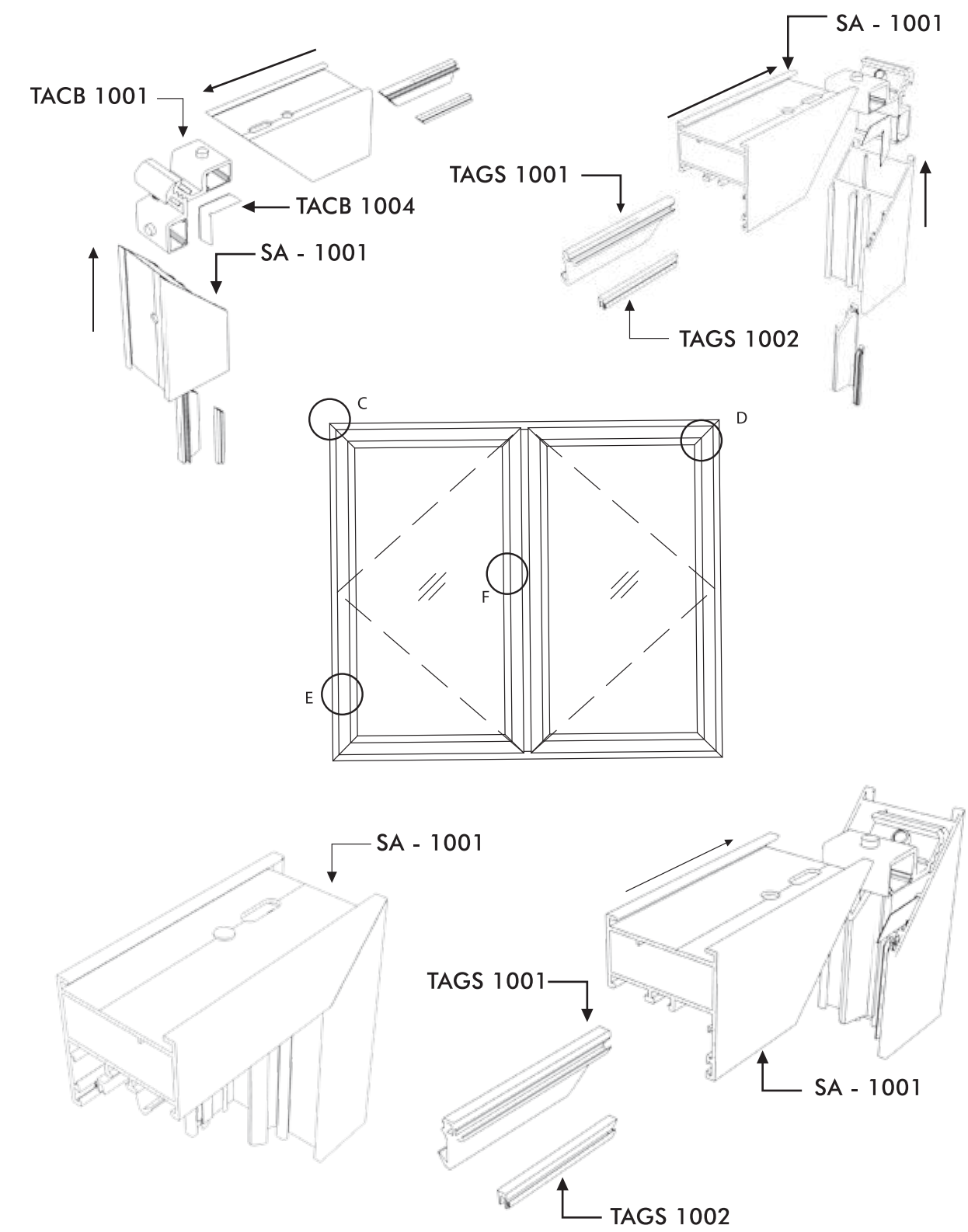
"C" Groove Casement Window (Single and Double Glazing)

3D Assembly Detail - 50mm Casement Window



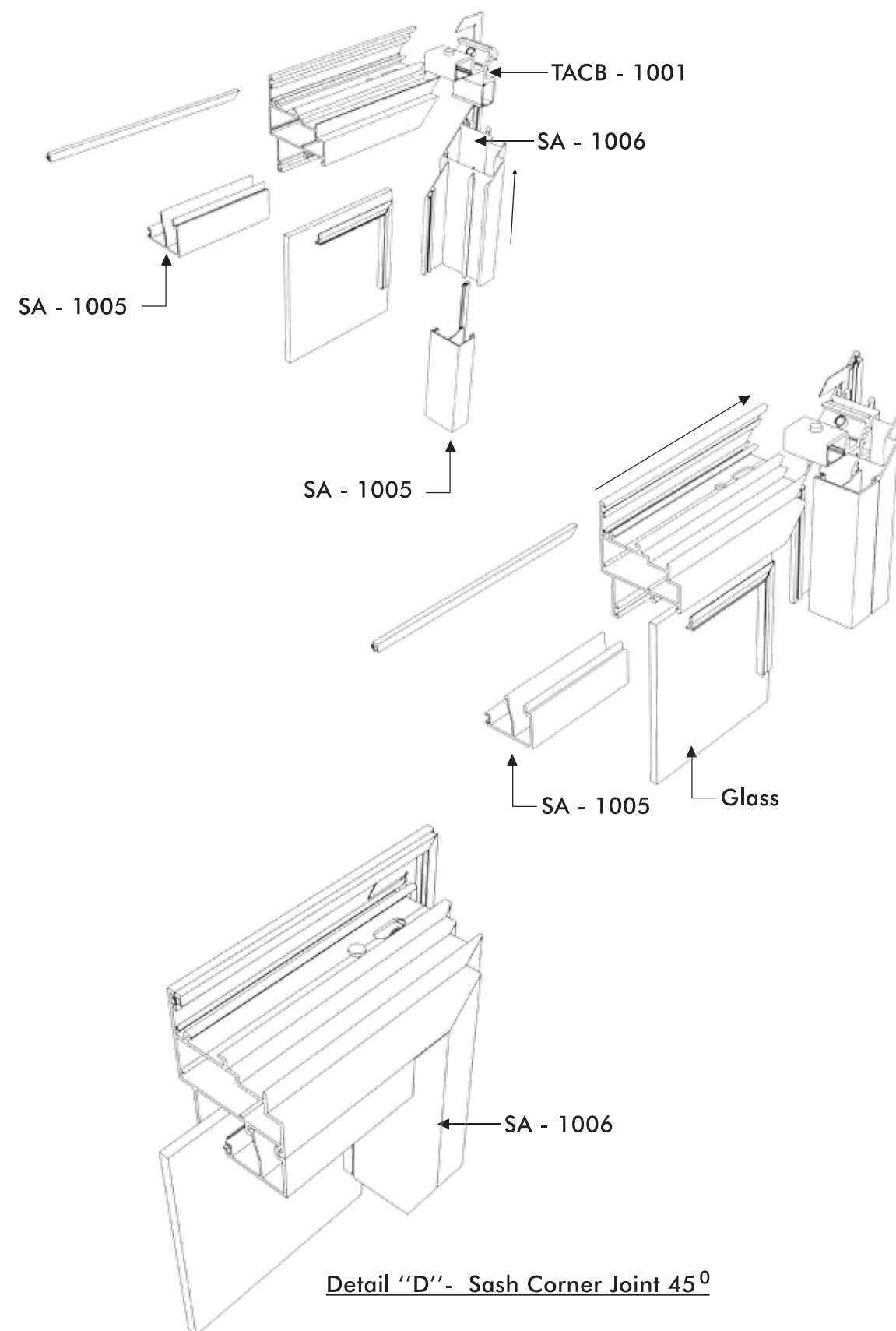
"C" Groove Casement Window (Single and Double Glazing)

3D Assembly Detail - 50mm Casement Window



"C" Groove Casement Window (Single and Double Glazing)

3D Assembly Detail - 50mm Casement Window

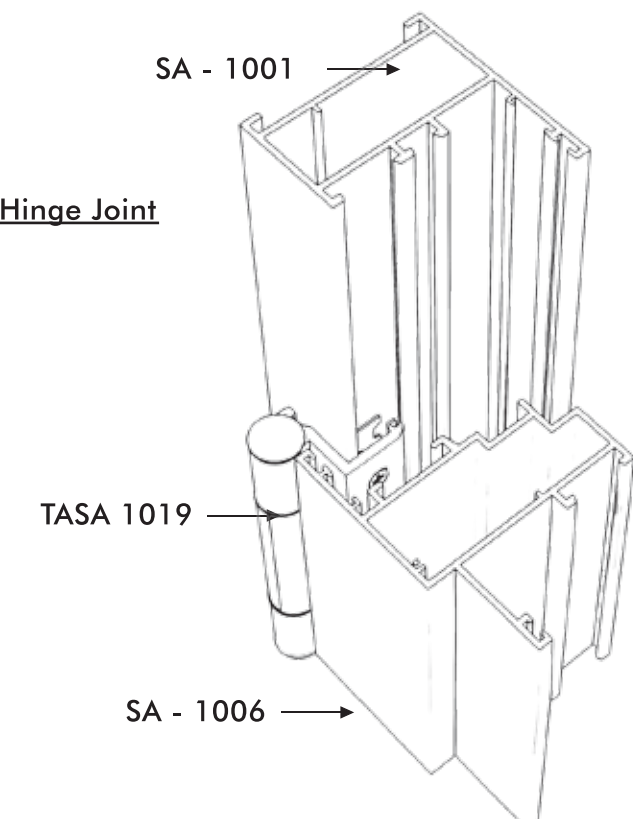


Detail "D" - Sash Corner Joint 45°

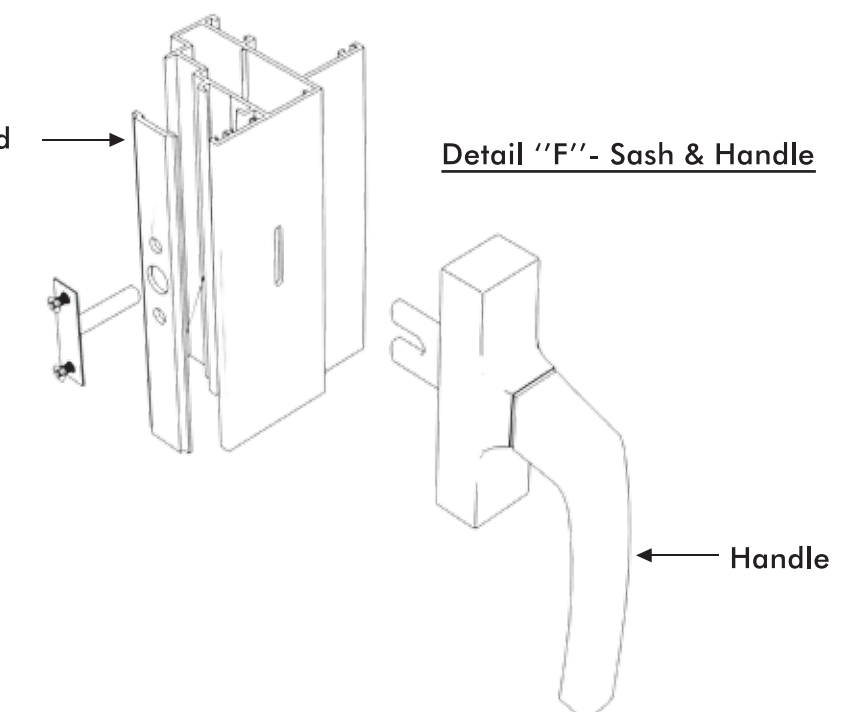
"C" Groove Casement Window (Single and Double Glazing)

3D Assembly Detail - 50mm Casement Window

Detail "E" - Jamb & Vent With Hinge Joint



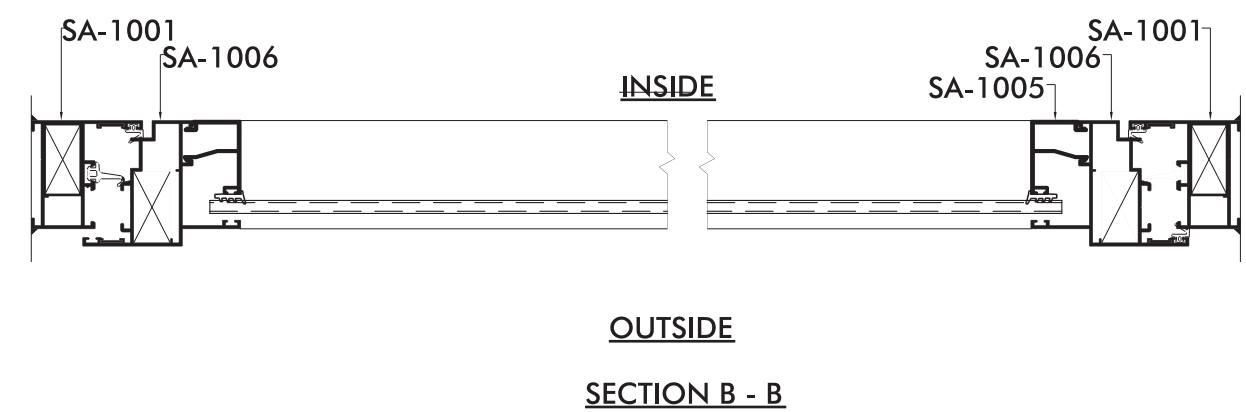
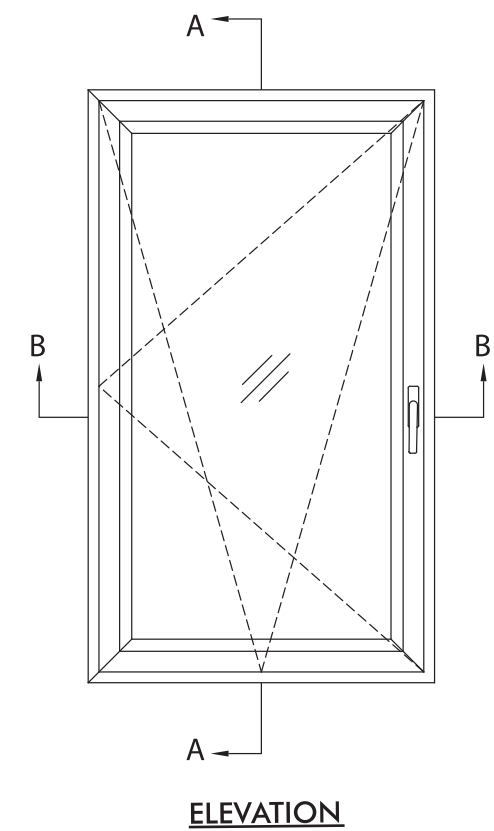
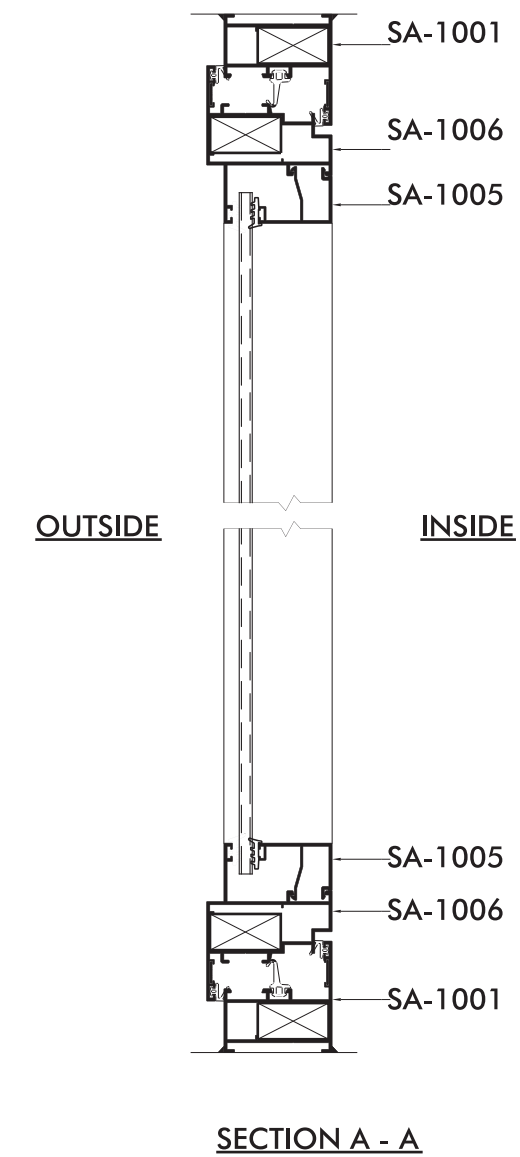
Transmission Rod



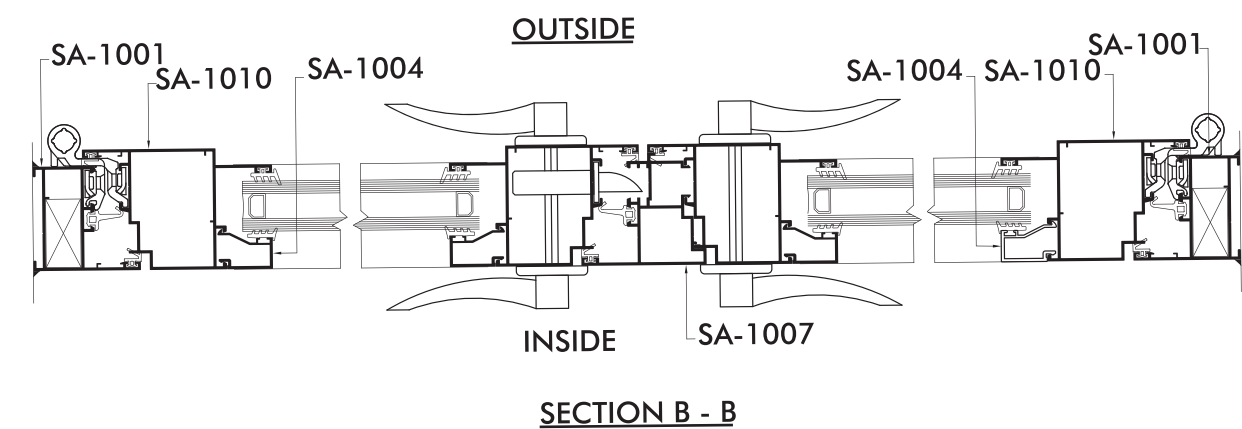
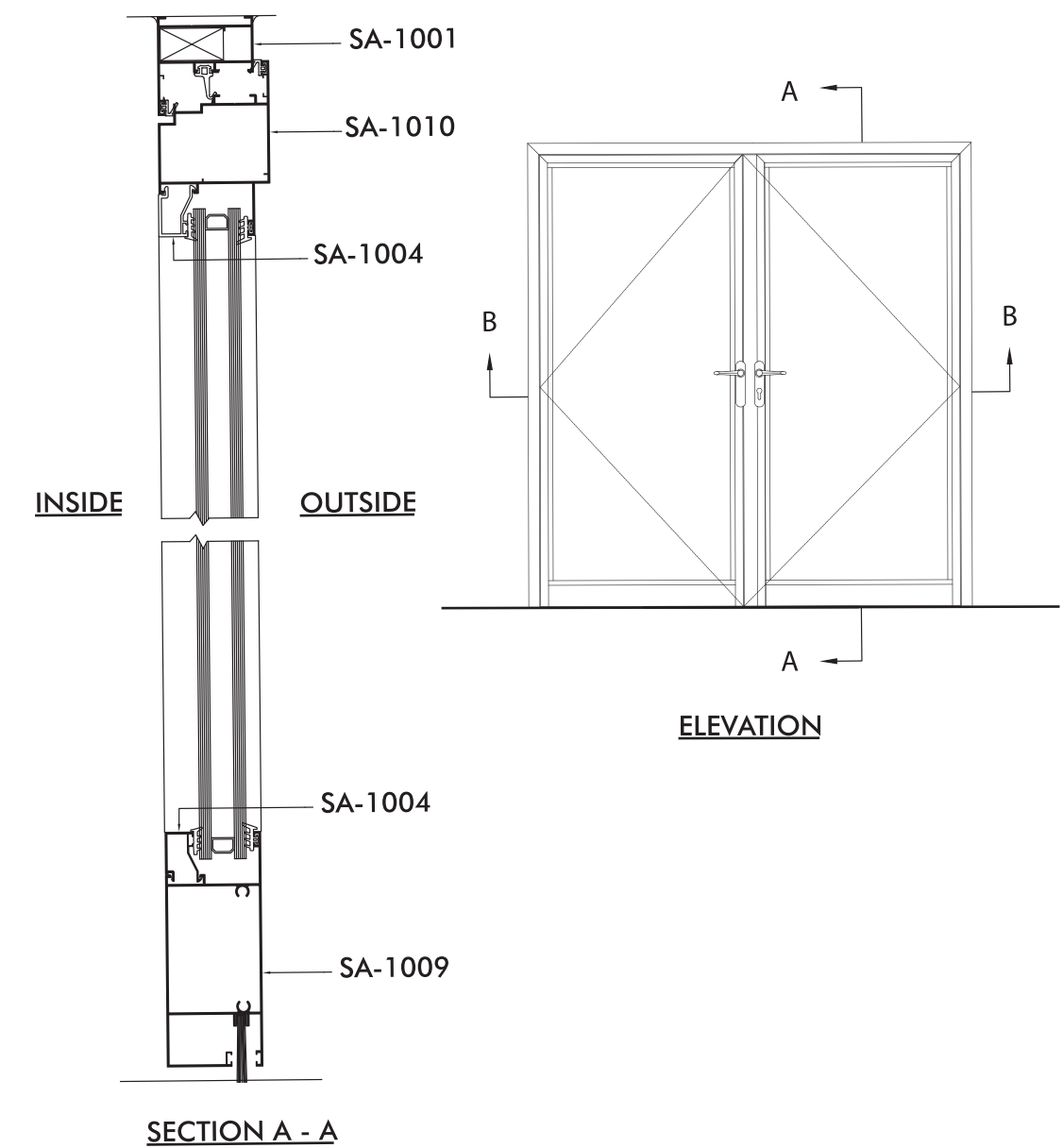
Detail "F" - Sash & Handle



50mm Tilt & Turn Window (Single and Double Glazing)

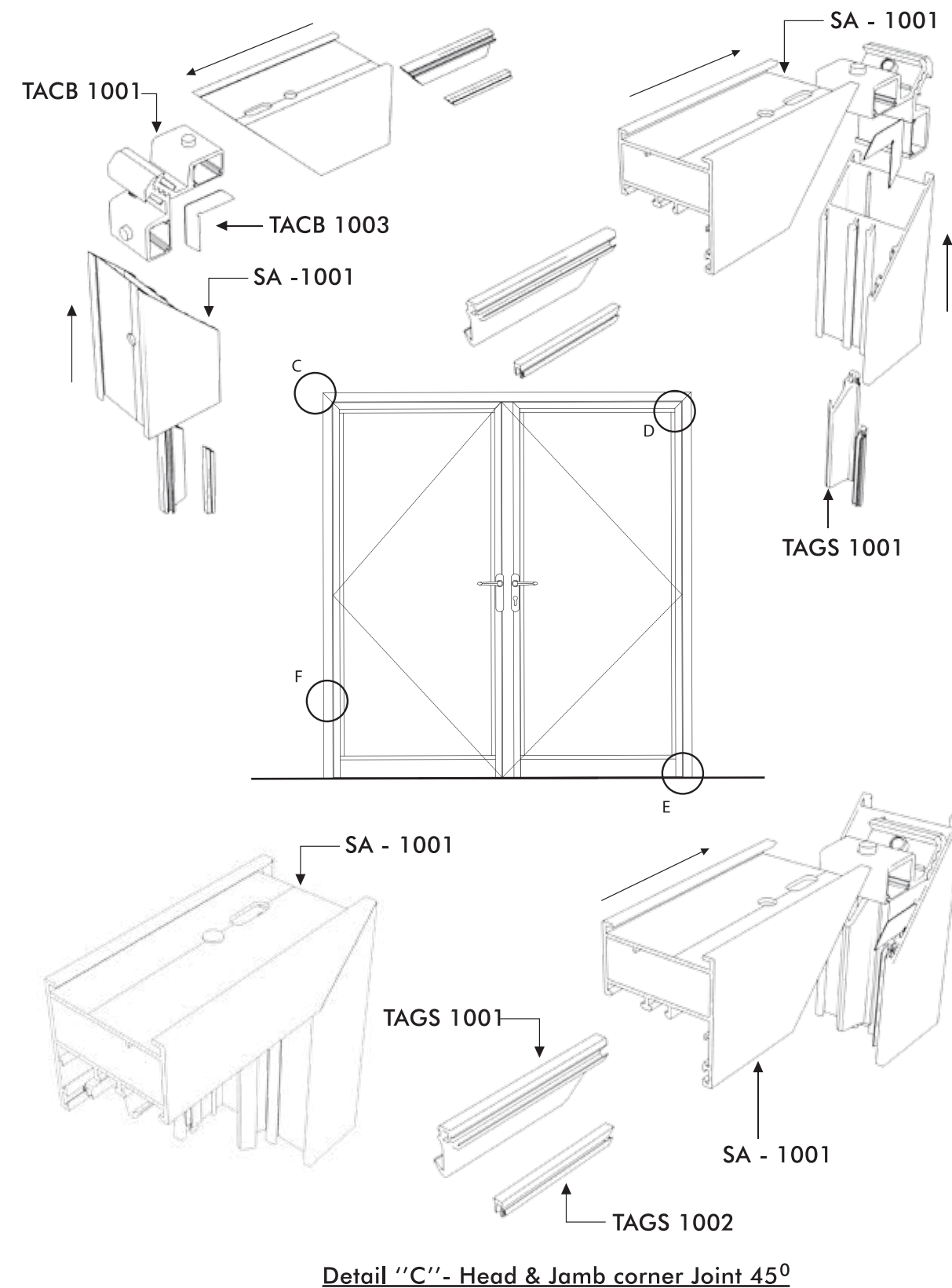


50mm Swing Door (Single and Double Glazing)



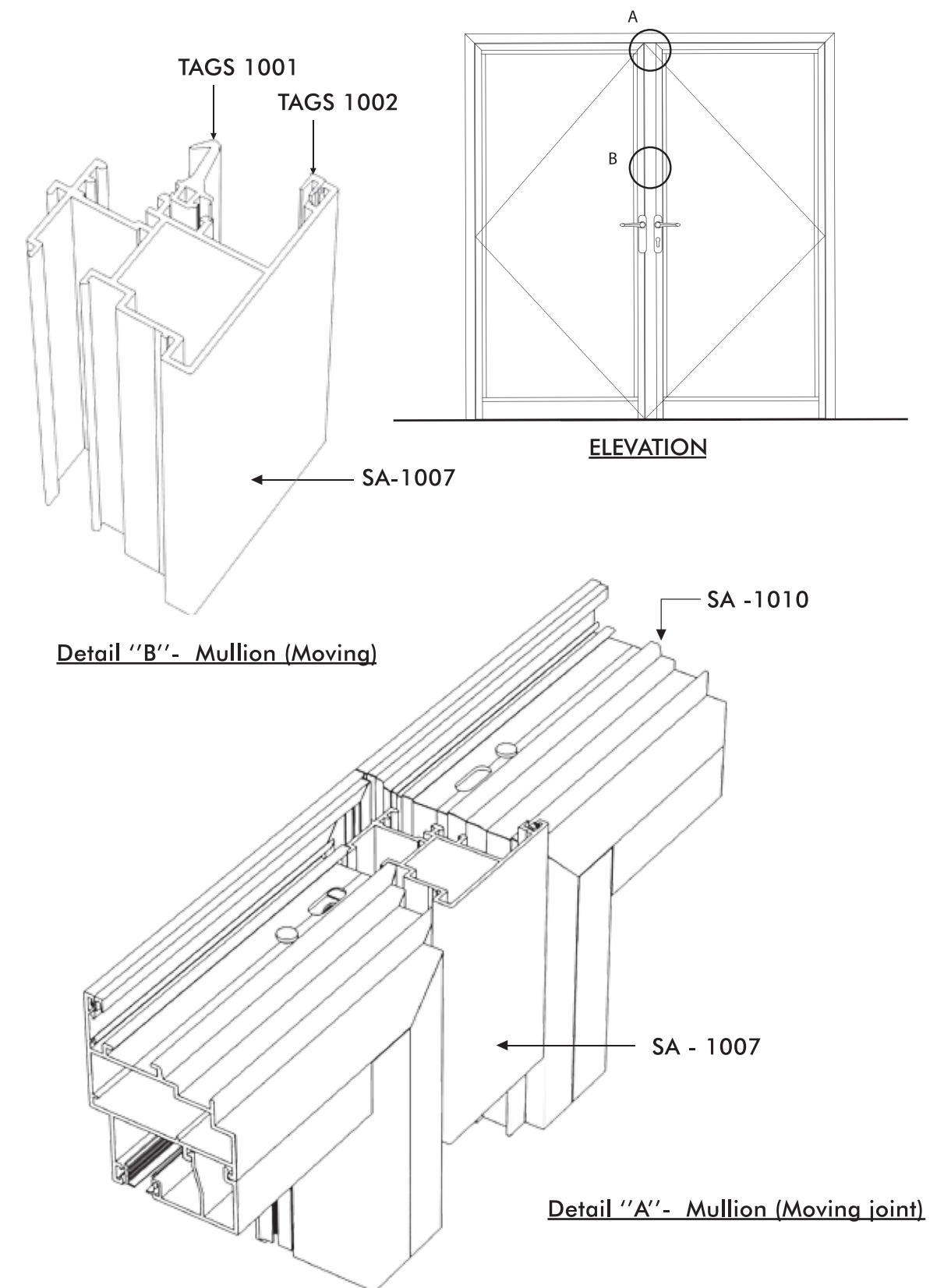
50mm Swing Door (Single and Double Glazing)

3D Assembly Detail - 50mm Swing Door



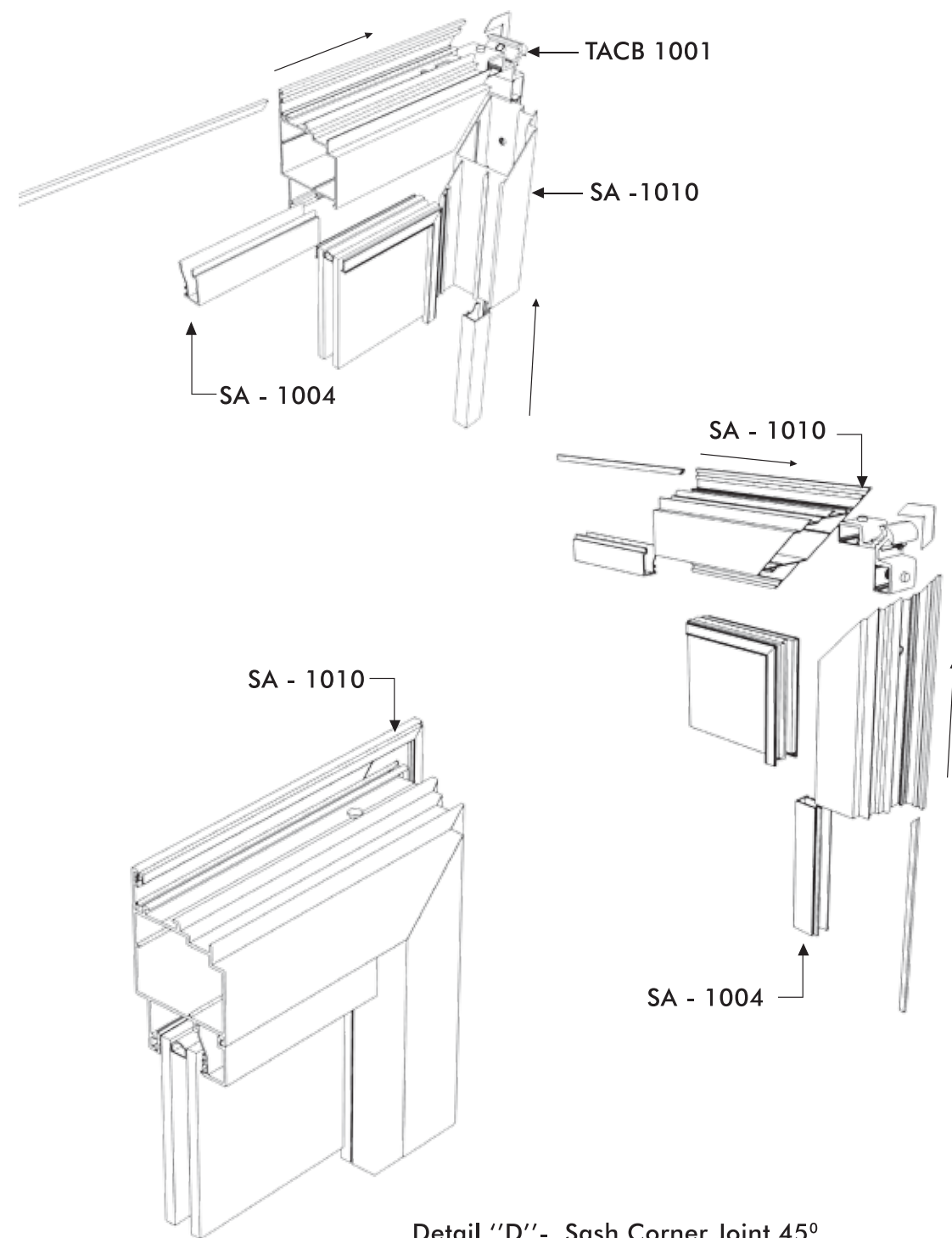
50mm Swing Door (Single and Double Glazing)

3D Assembly Detail - 50mm Swing Door



50mm Swing Door (Single and Double Glazing)

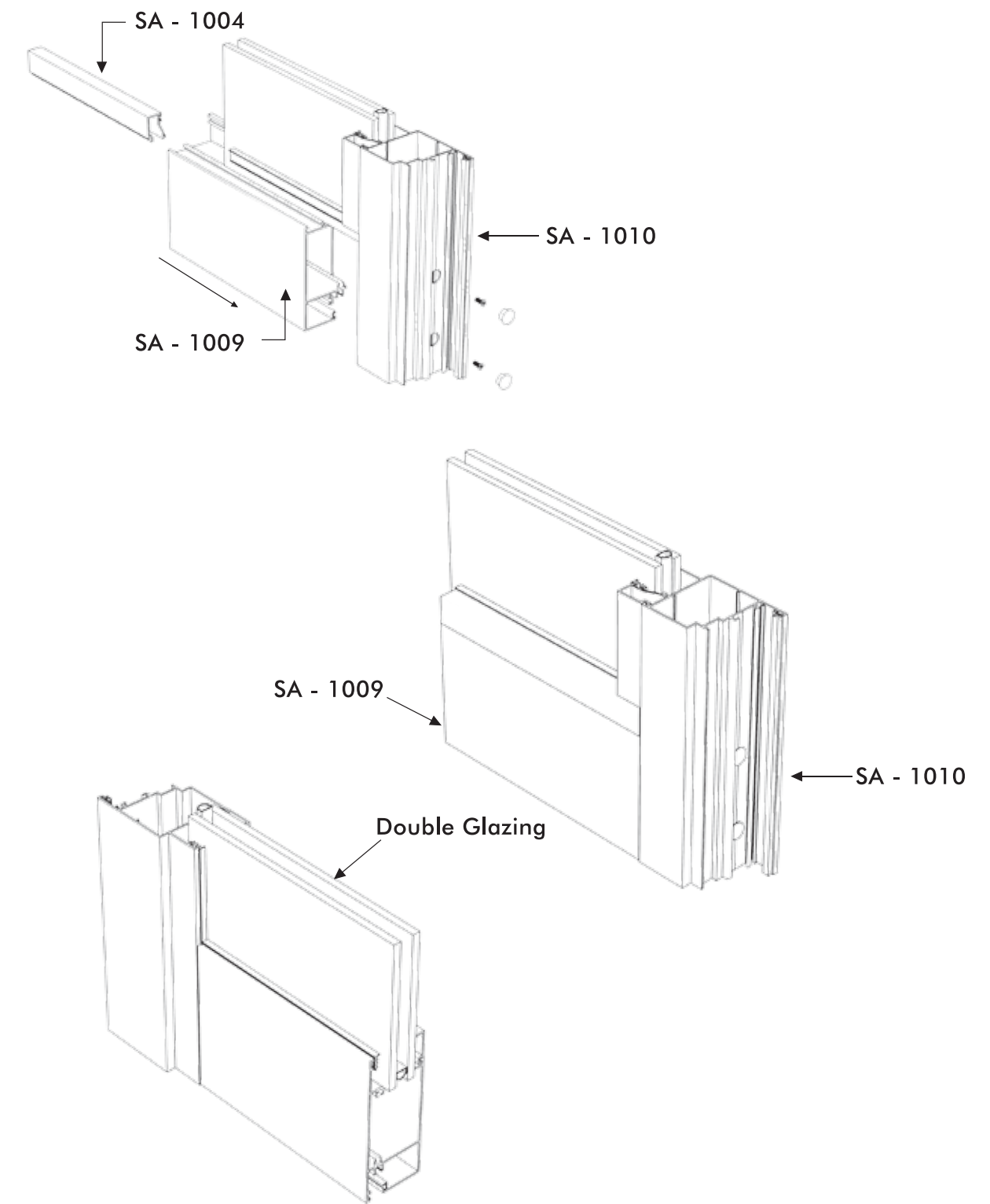
3D Assembly Detail - 50mm Swing Door



Detail "D" - Sash Corner Joint 45°

50mm Swing Door (Single and Double Glazing)

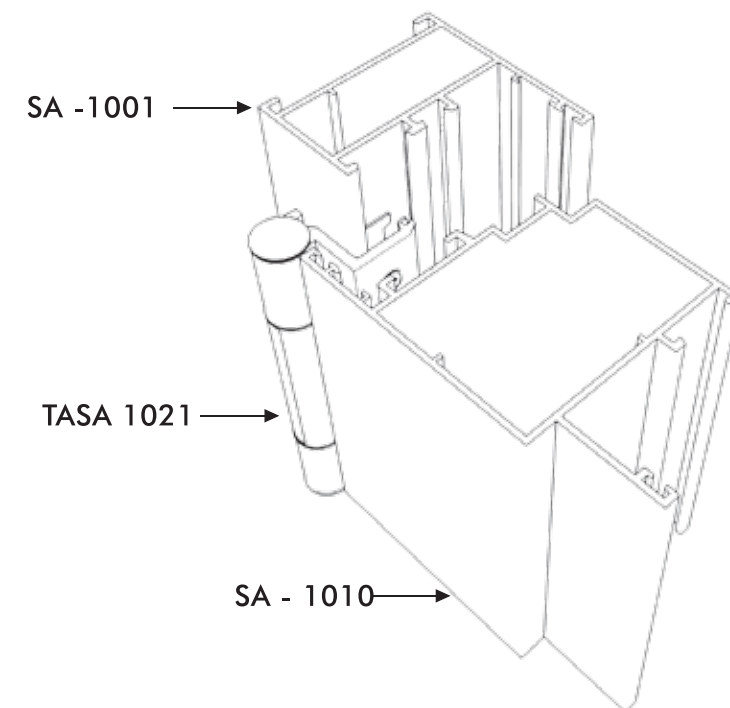
3D Assembly Detail - 50mm Swing Door



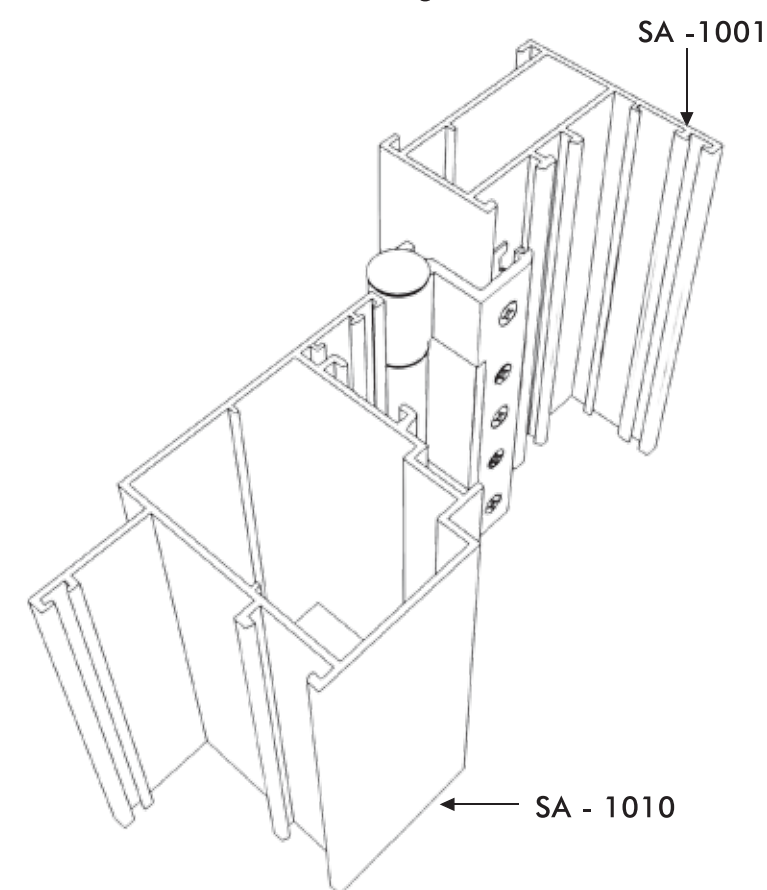
Detail "E" - Sash Corner Joint 90°

50mm Swing Door (Single and Double Glazing)

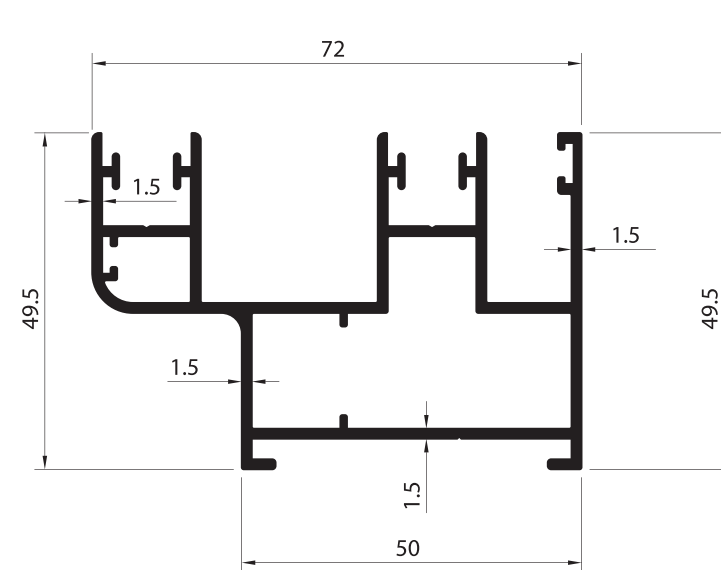
3D Assembly Detail - 50mm Swing Door



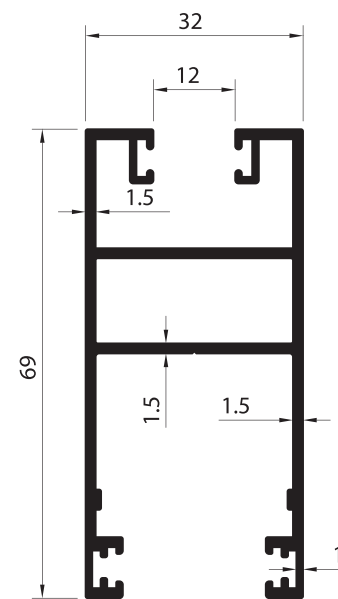
Detail "F" - Jamb & Vent With Hinge Joint



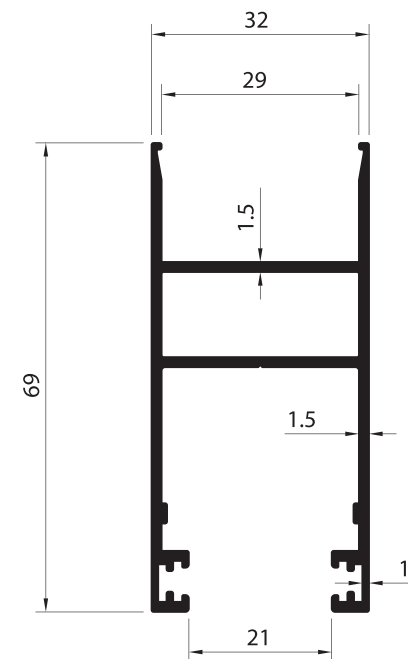
72mm Sliding Window (Single and Double Glazing)



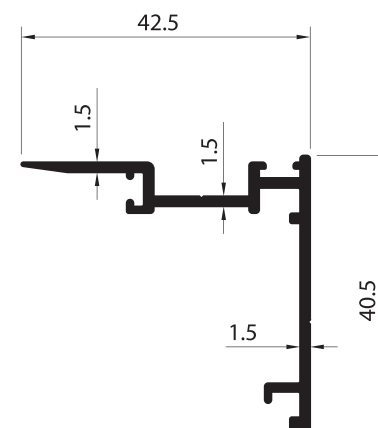
Profile No. - SA-2001
Est. Weight - 1.364 kg/m



Profile No. - SA-2002
Est. Weight - 1.017 kg/m

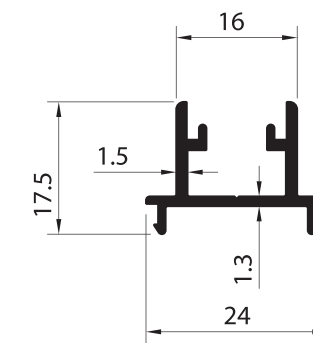


Profile No. - SA-2003
Est. Weight - 0.878 kg/m

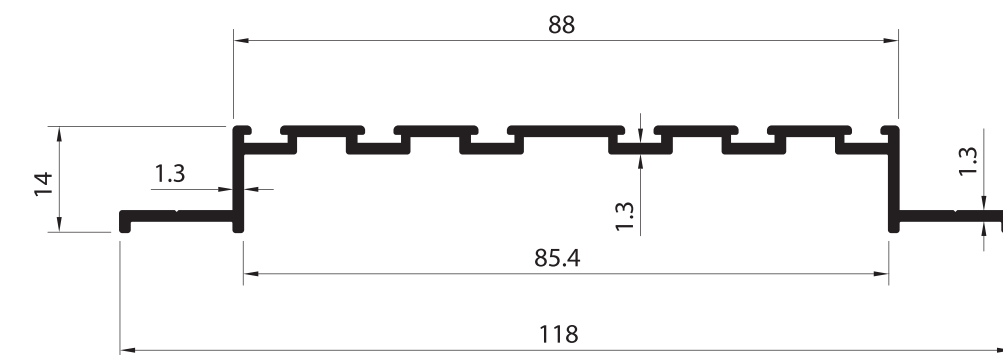


Profile No. - SA-2004
Est. Weight - 0.423 kg/m

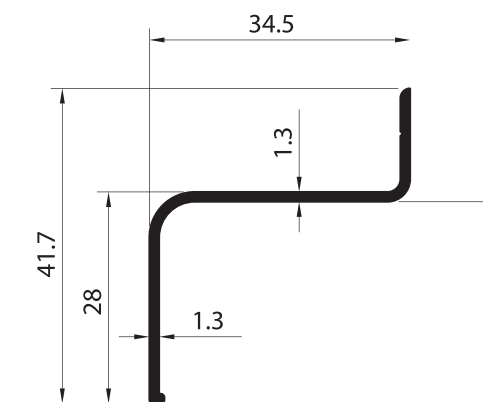
72mm Sliding Window (Single and Double Glazing)



Profile No. - SA-2005
Est. Weight - 0.230 kg/m

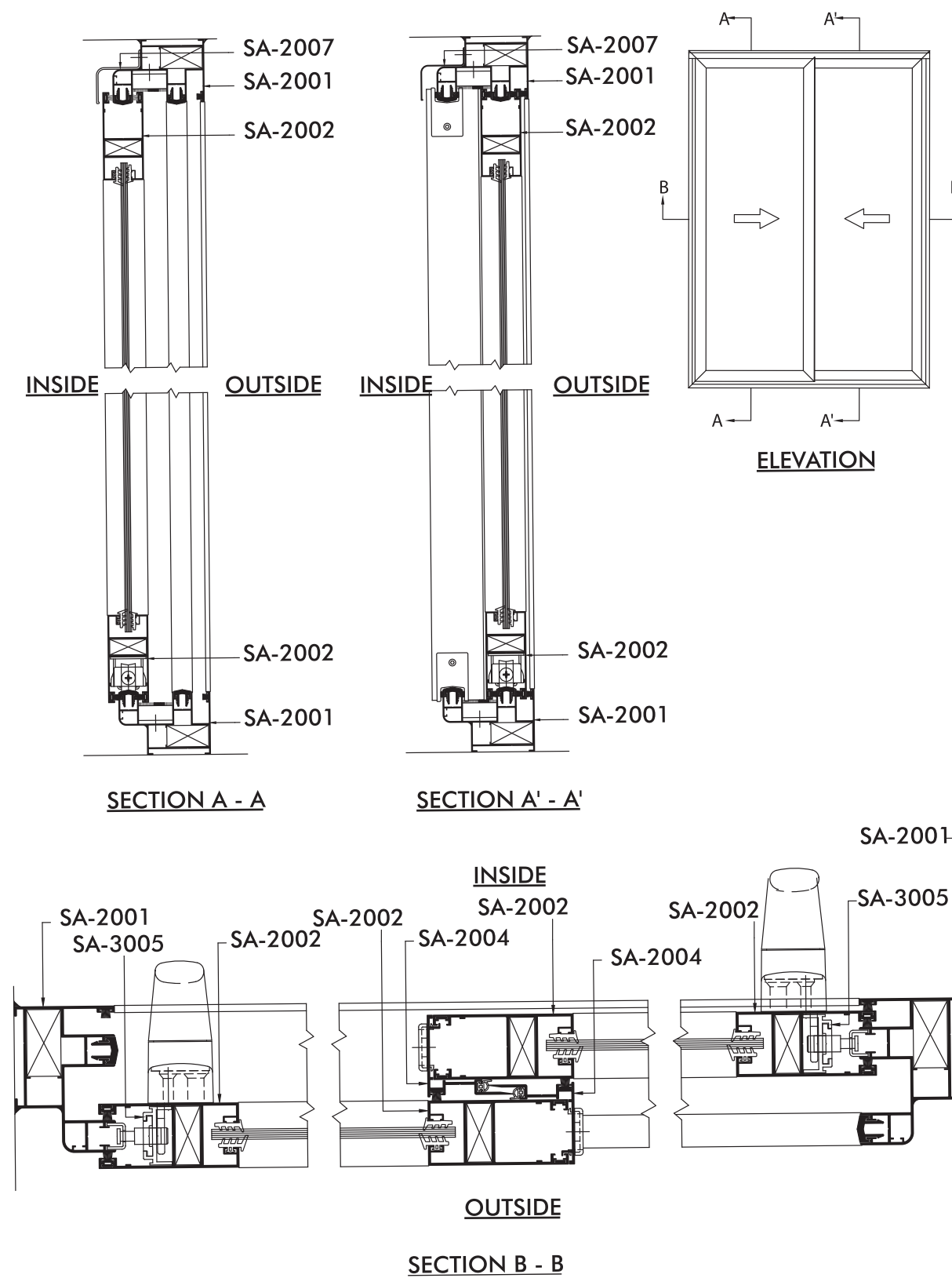


Profile No. - SA-2006
Est. Weight - 0.615 kg/m



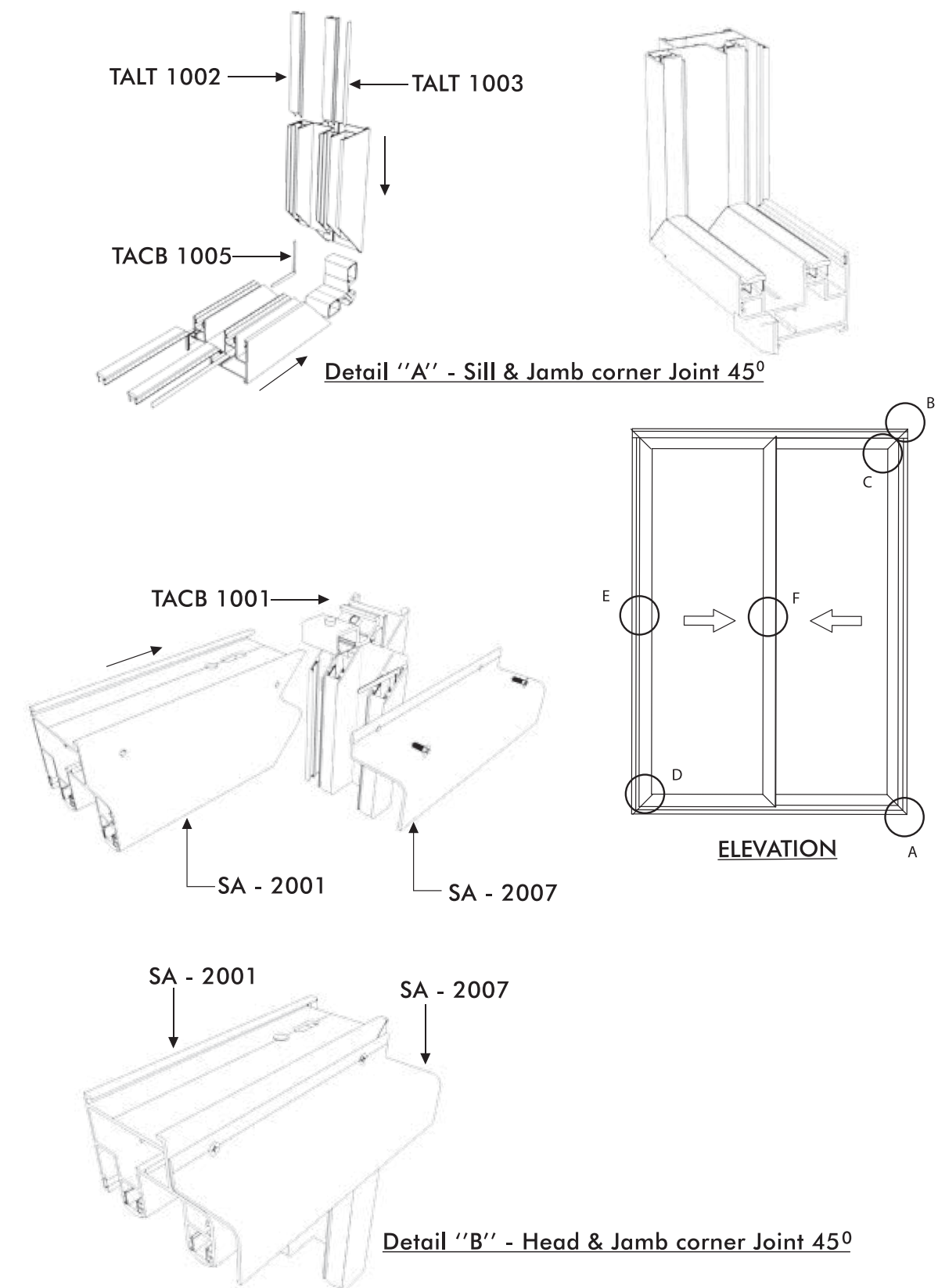
Profile No. - SA-2007
Est. Weight - 0.253 kg/m

72mm Sliding Window (Single and Double Glazing)



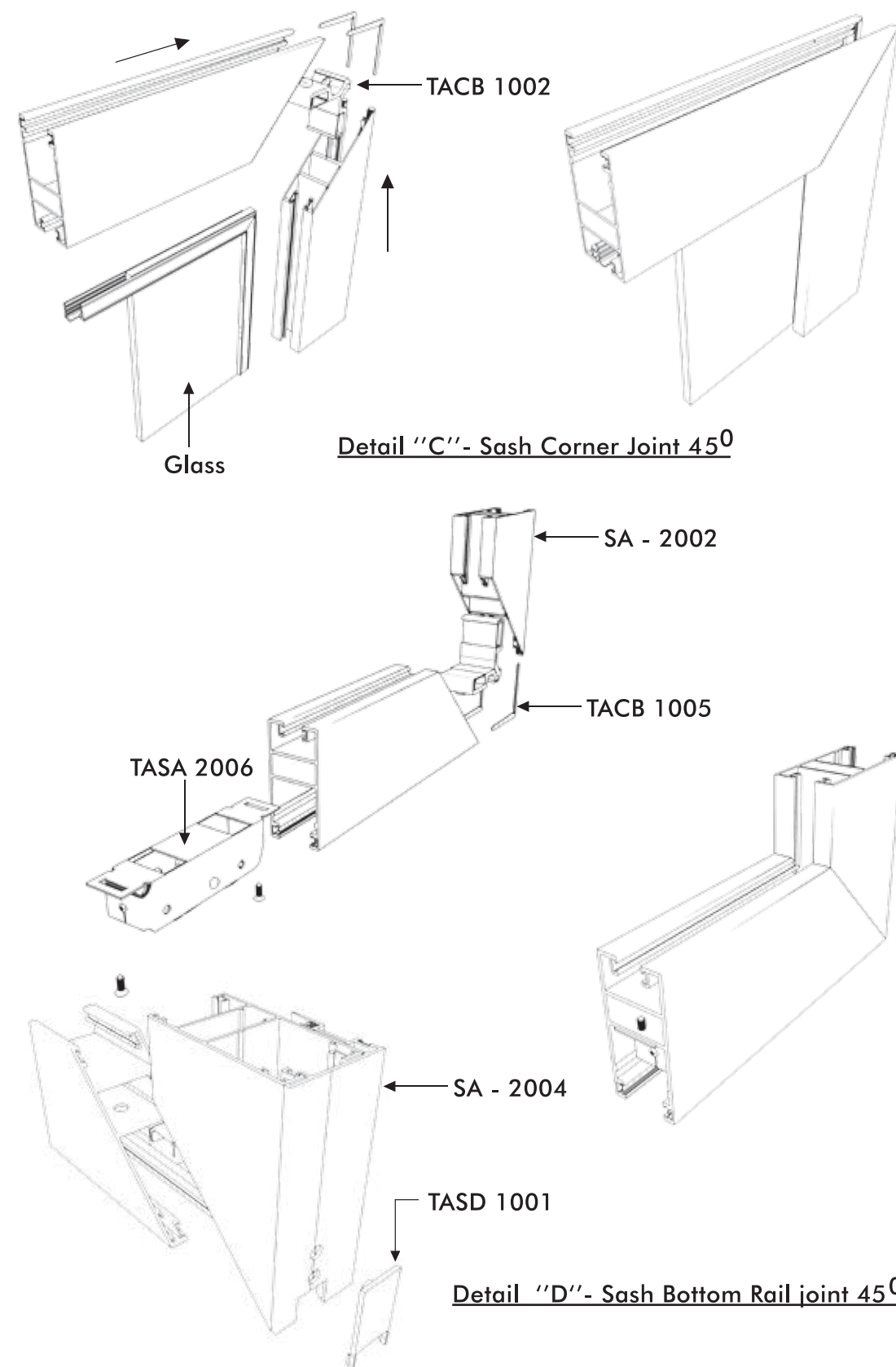
72mm Sliding Window (Single and Double Glazing)

3D Assembly Detail - 72mm Sliding Window



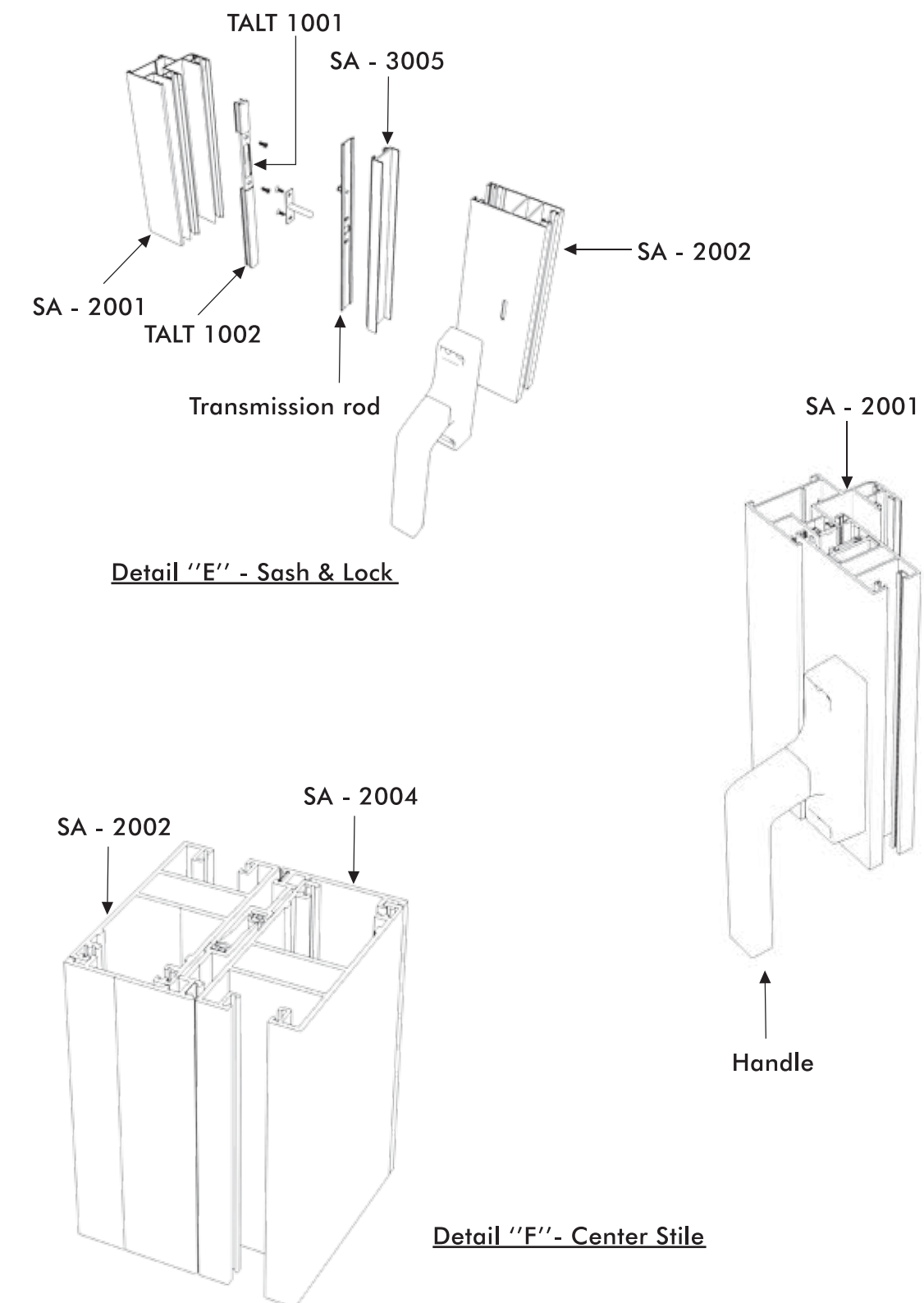
"C" Groove Casement Window (Single and Double Glazing)

3D Assembly Detail - 72mm Sliding Window

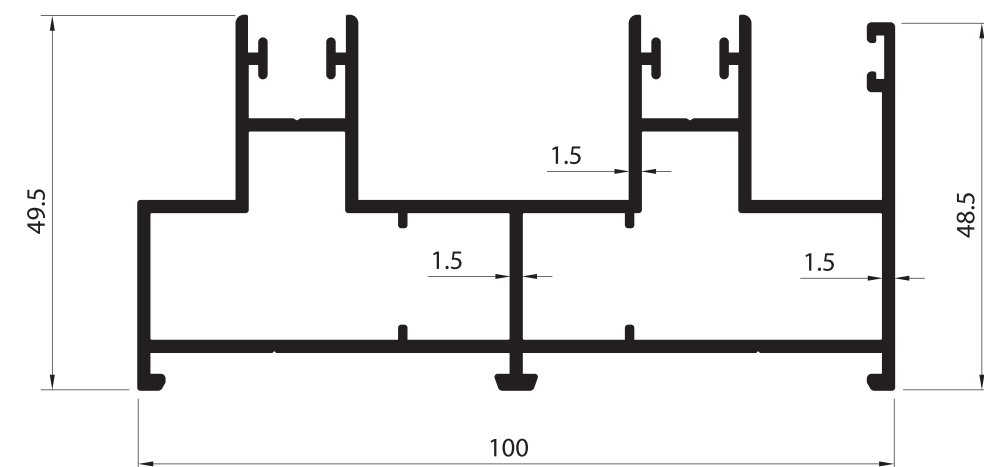


"C" Groove Casement Window (Single and Double Glazing)

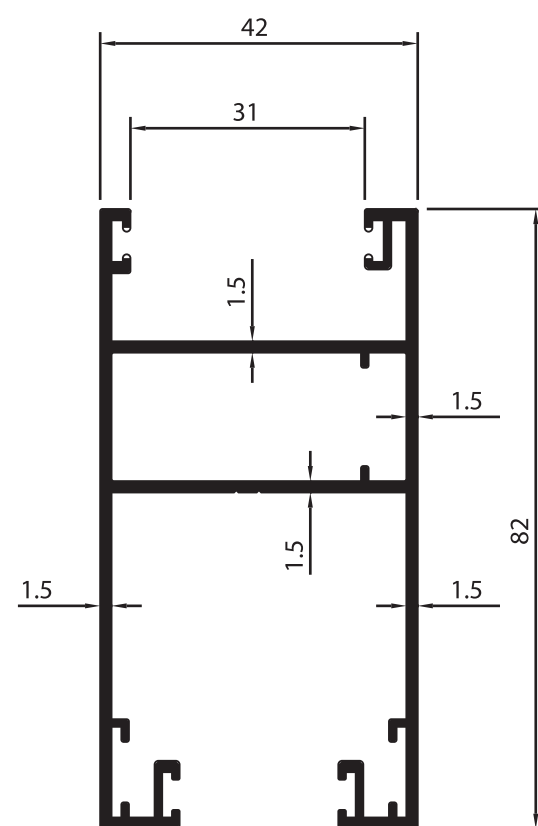
3D Assembly Detail - 72mm Sliding Window



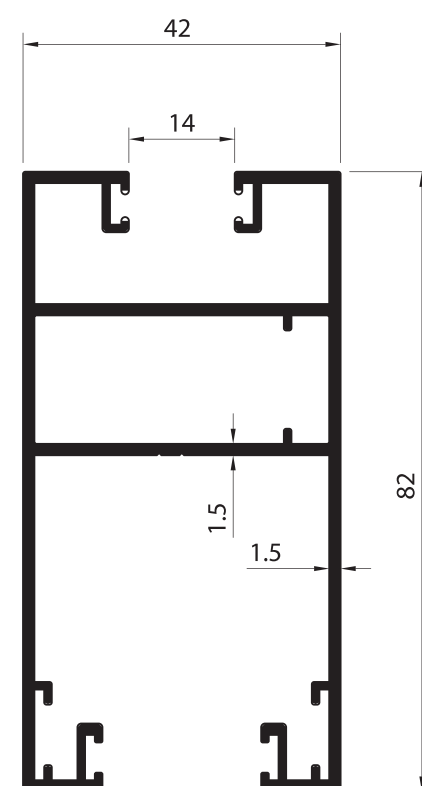
100mm Sliding Window (Single and Double Glazing)



Profile No. - SA-3001
Est. Weight - 1.720 kg/m

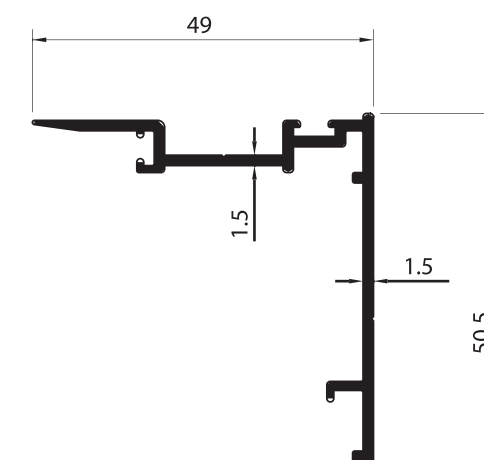


Profile No. - SA-3003
Est. Weight - 1.249 kg/m

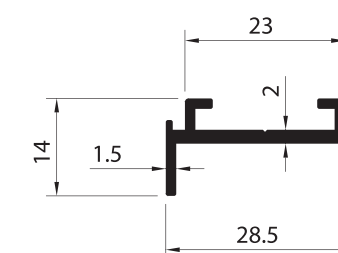


Profile No. - SA-3002
Est. Weight - 1.332 kg/m

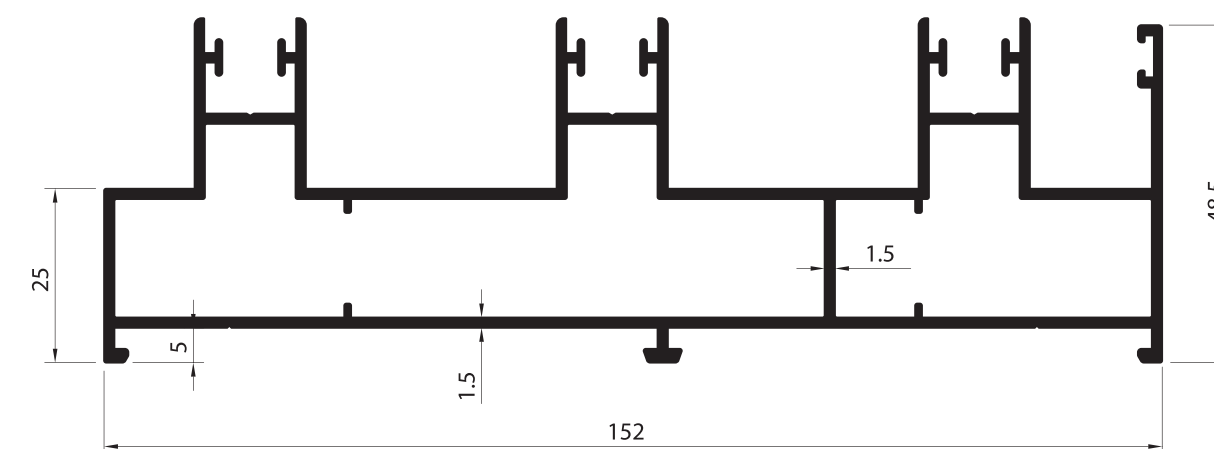
100mm Sliding Window (Single and Double Glazing)



Profile No. - SA-3004
Est. Weight - 0.499 kg/m

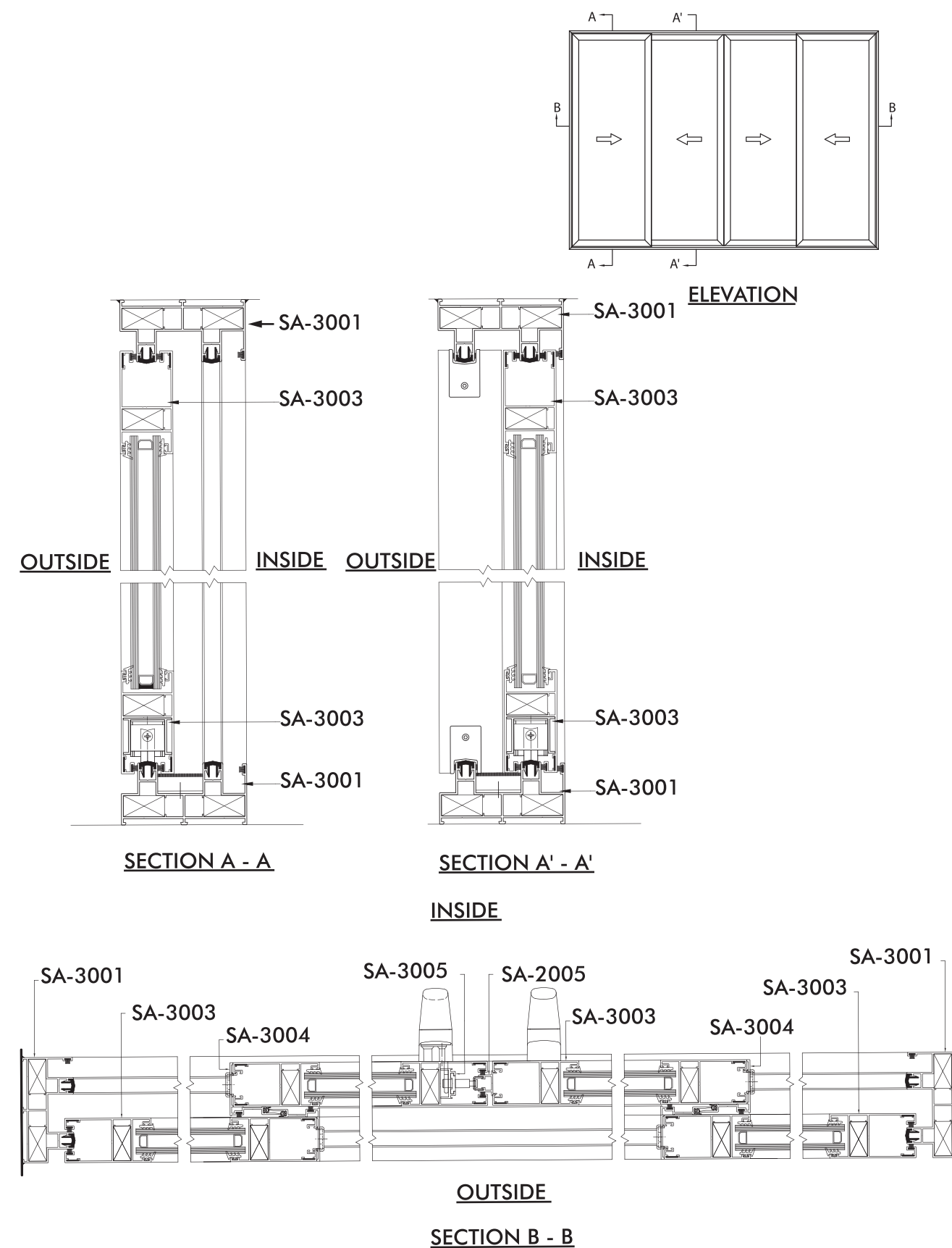


Profile No. - SA-3005
Est. Weight - 0.279 kg/m



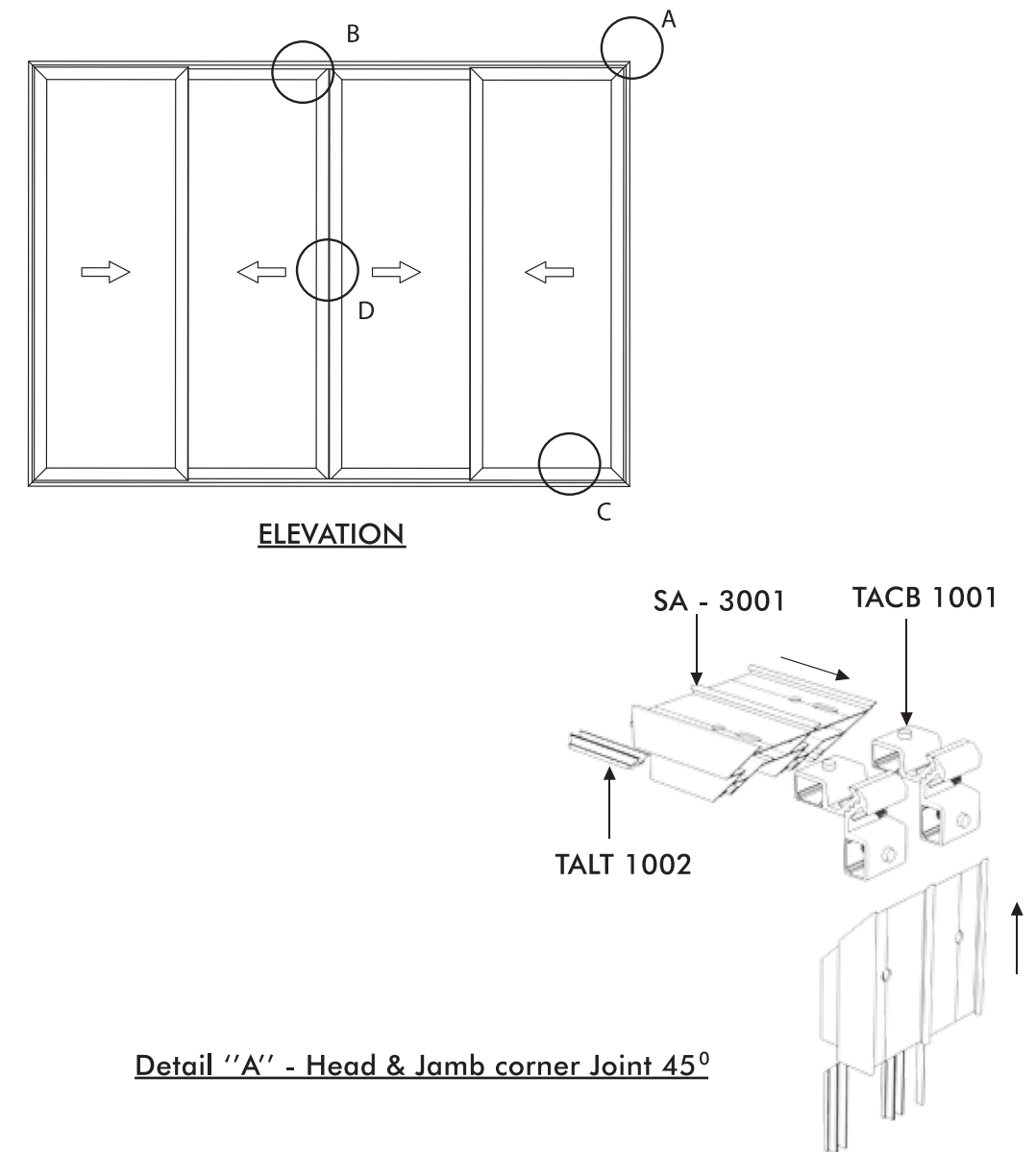
Profile No. - SA-3006
Est. Weight - 2.377 kg/m

100mm Sliding Door Double Track



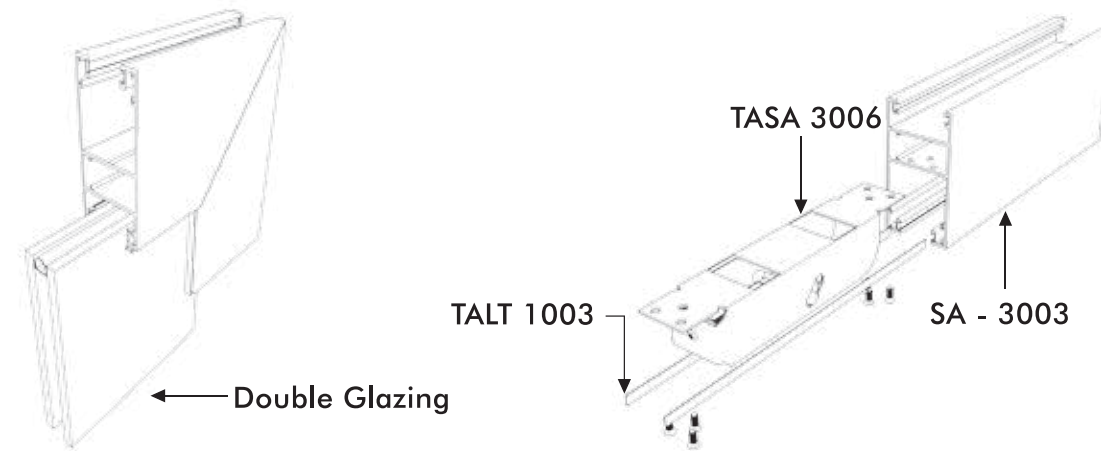
100mm Sliding Door Double Track

3D Assembly Detail - 100mm Sliding Door



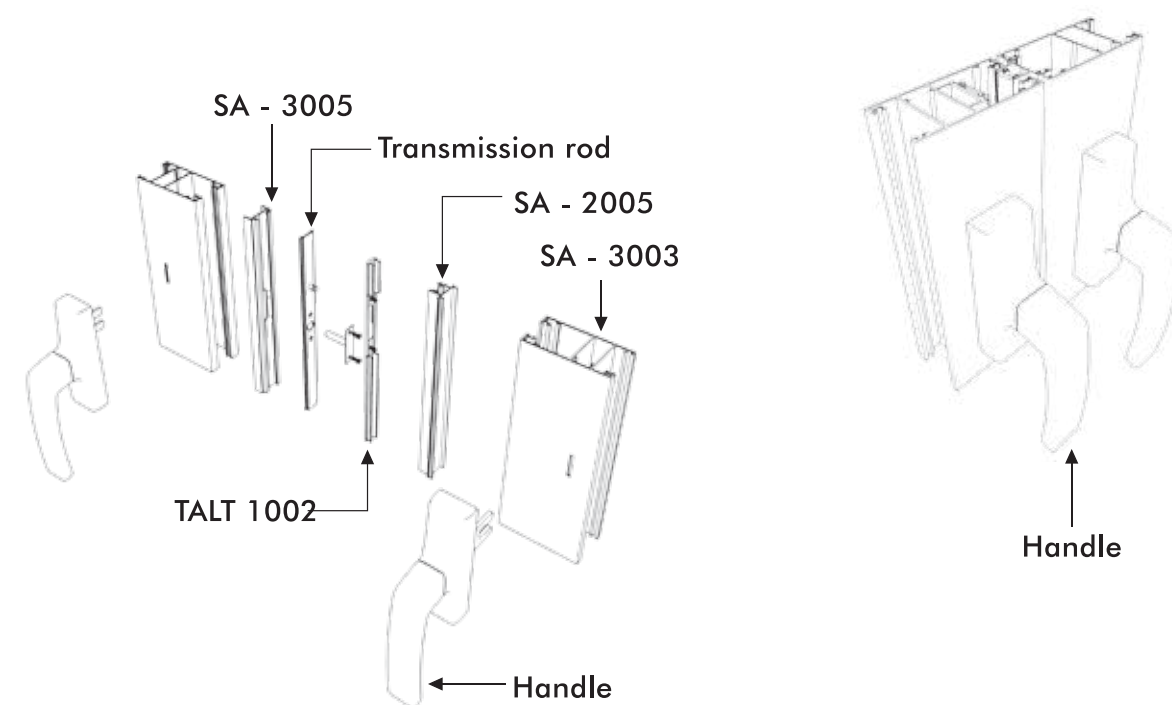
100mm Sliding Door Double Track

3D Assembly Detail - 100mm Sliding Door (Double track)



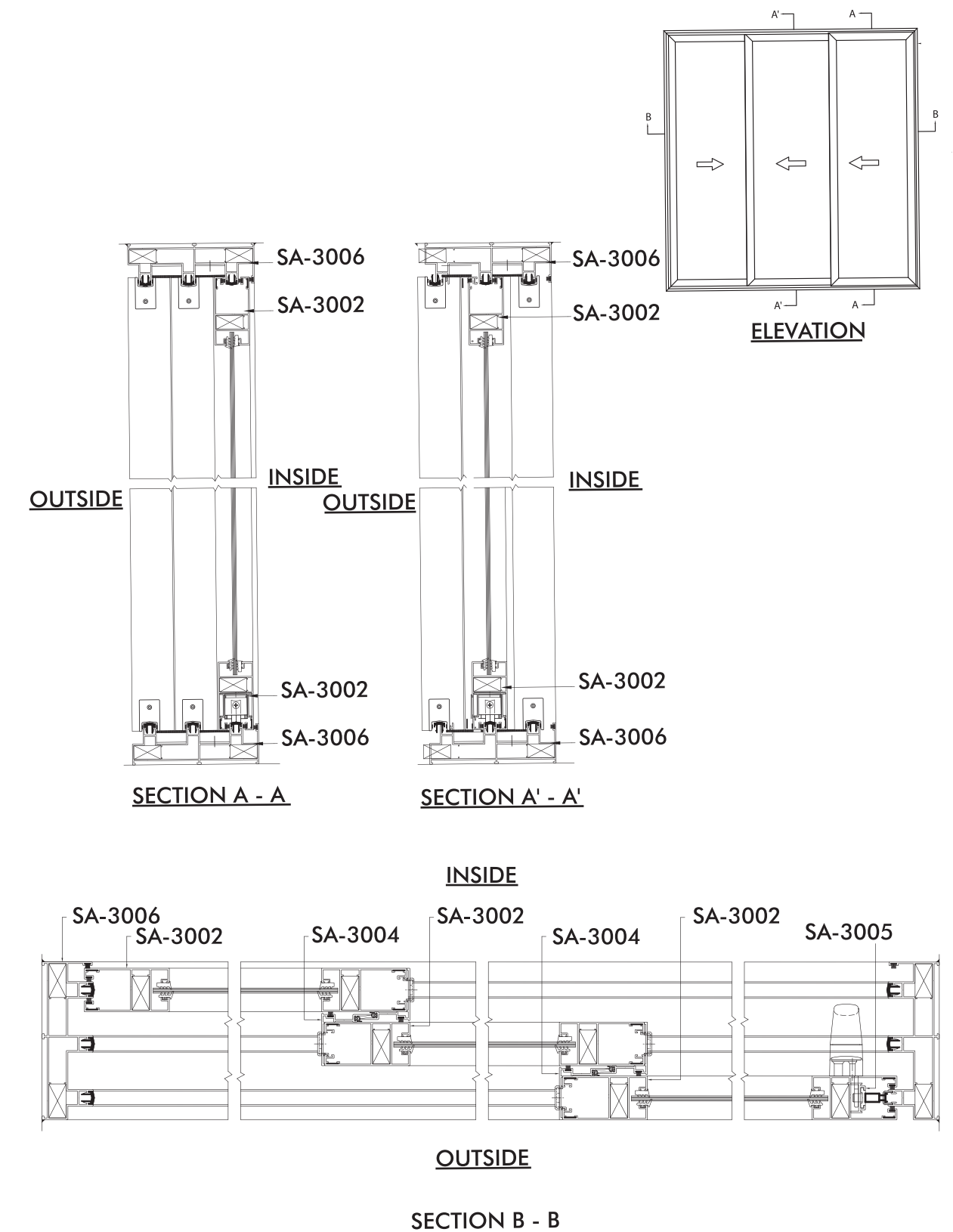
Detail "B" - Sash corner Joint 45°

Detail "C" - Bottom Rail



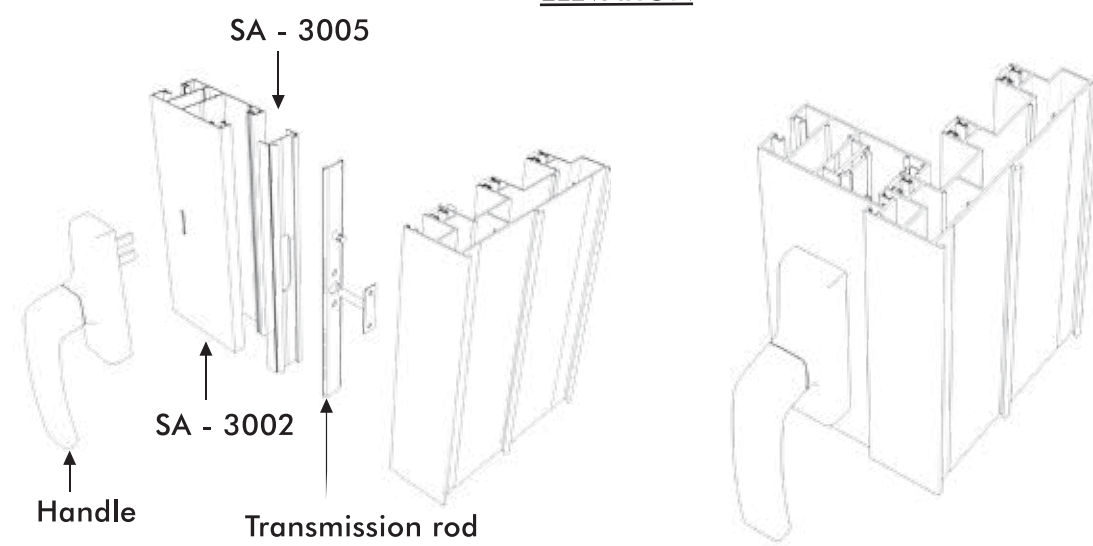
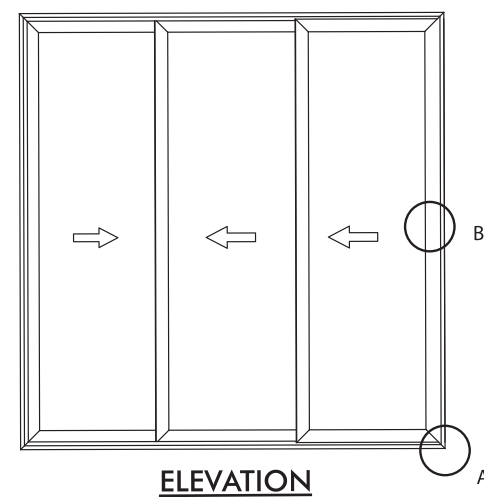
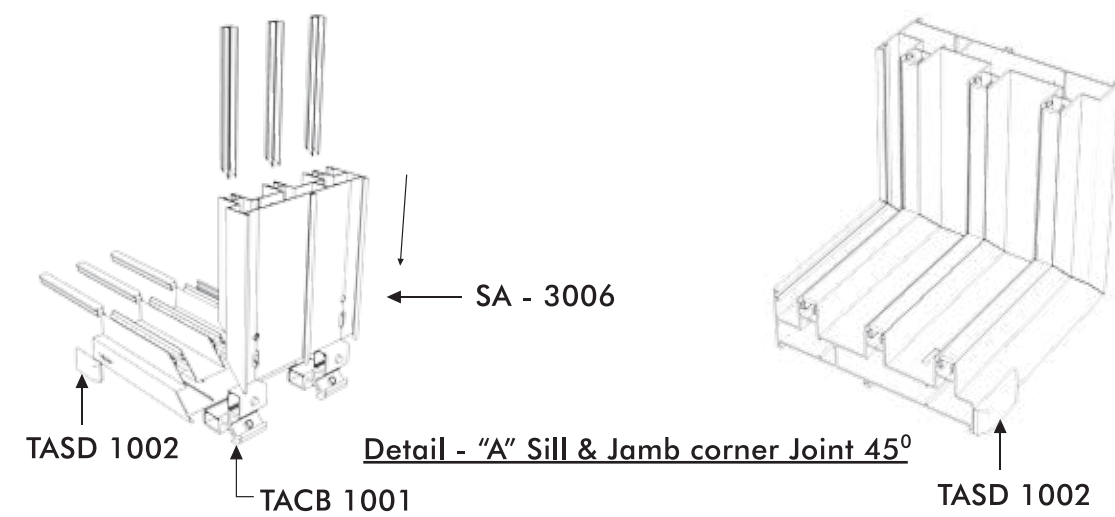
Detail "D" - Sash with lock

100mm Sliding Door Triple Track



100mm Sliding Door Triple Track

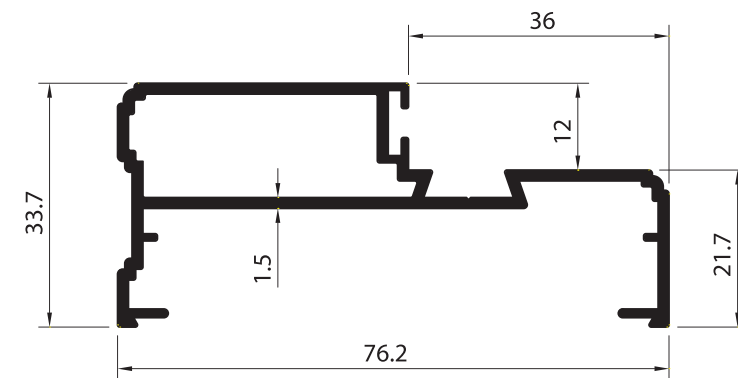
3D Assembly Detail - 100mm Sliding Door (Triple track)



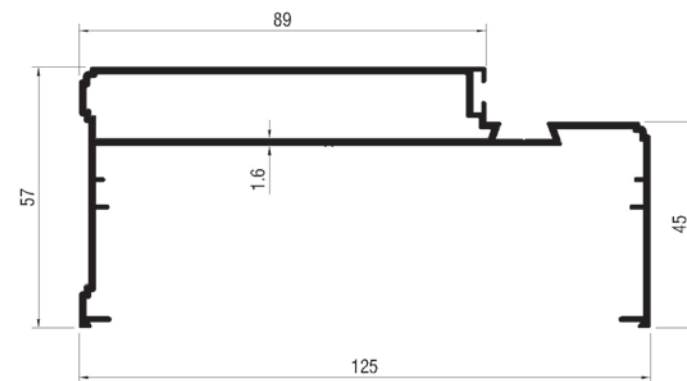
Detail - "B" Sash lock with Jamb



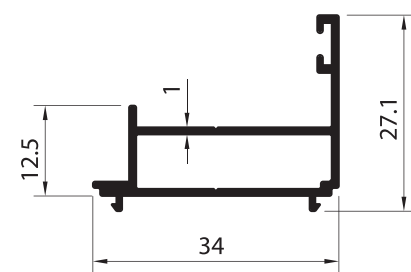
76mm Panel Door



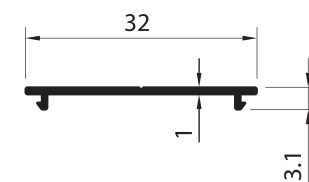
Profile No. - DO-7601
Est. Weight - 0.846 kg/m



Profile No. - SA-7606
Est. Weight - 1.526kg/m

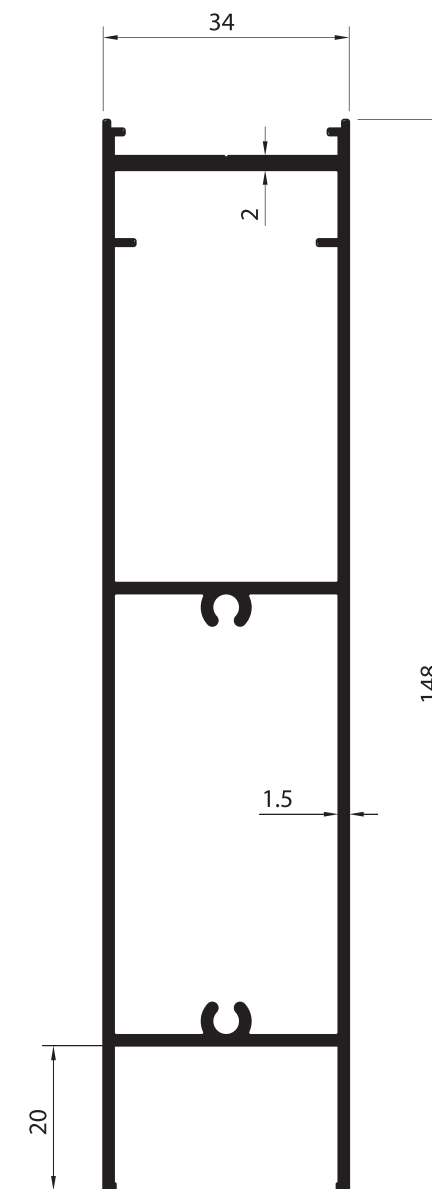


Profile No. - DO-7605
Est. Weight - 0.301 kg/m

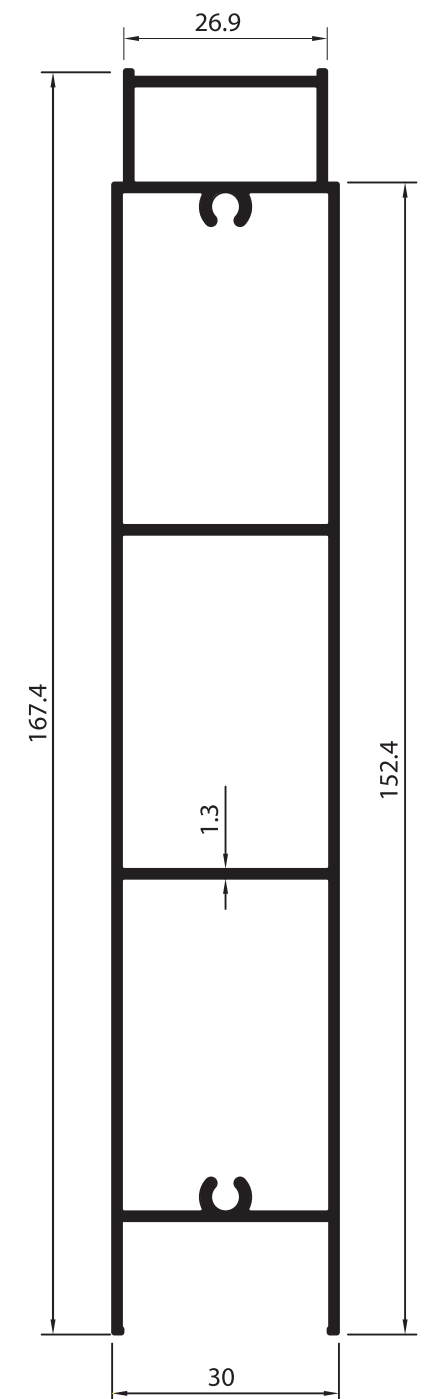


Profile No. - DO-7604
Est. Weight - 0.097 kg/m

76mm Panel Door

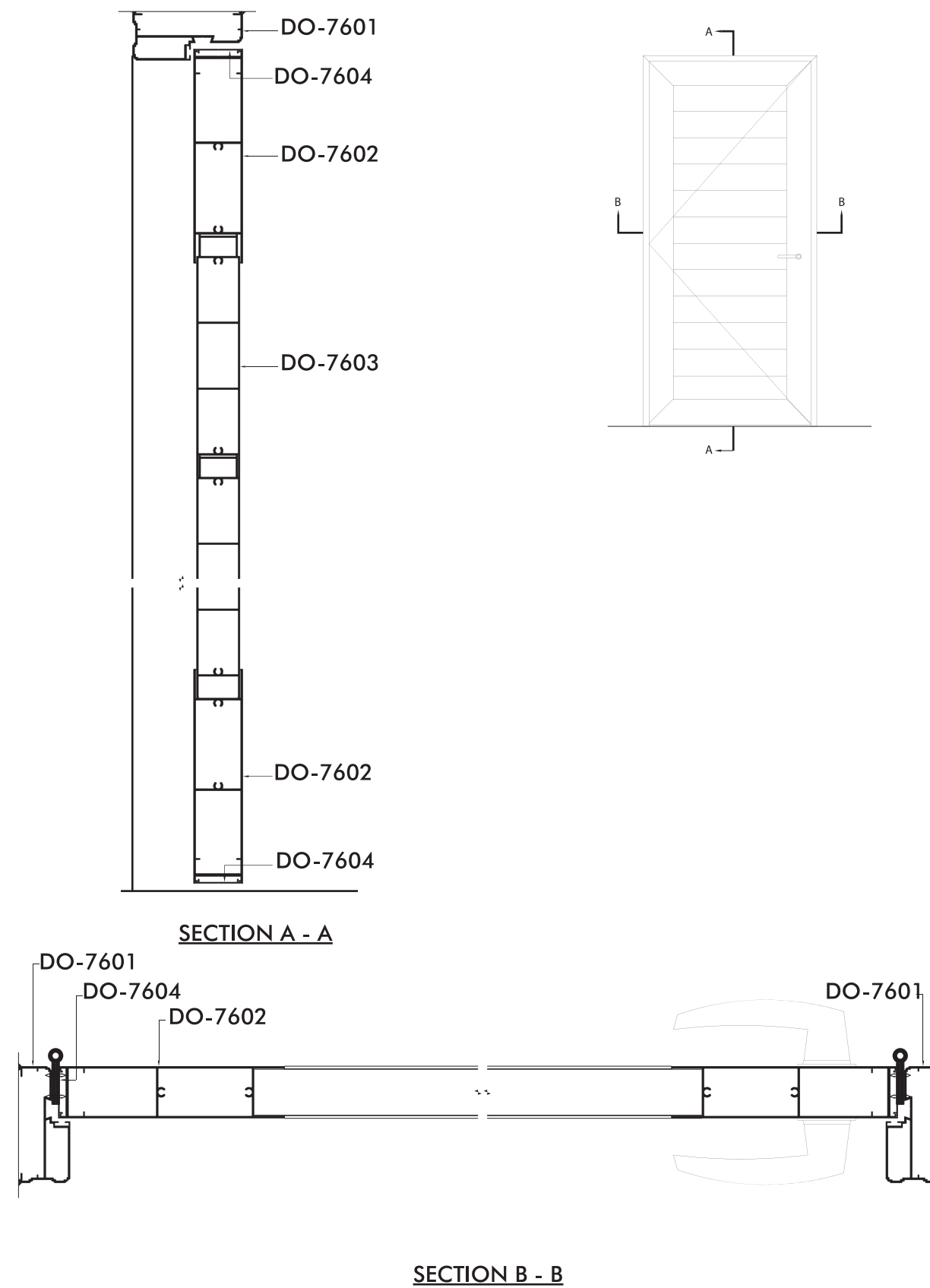


Profile No. - DO-7602
Est. Weight - 1.724 kg/m

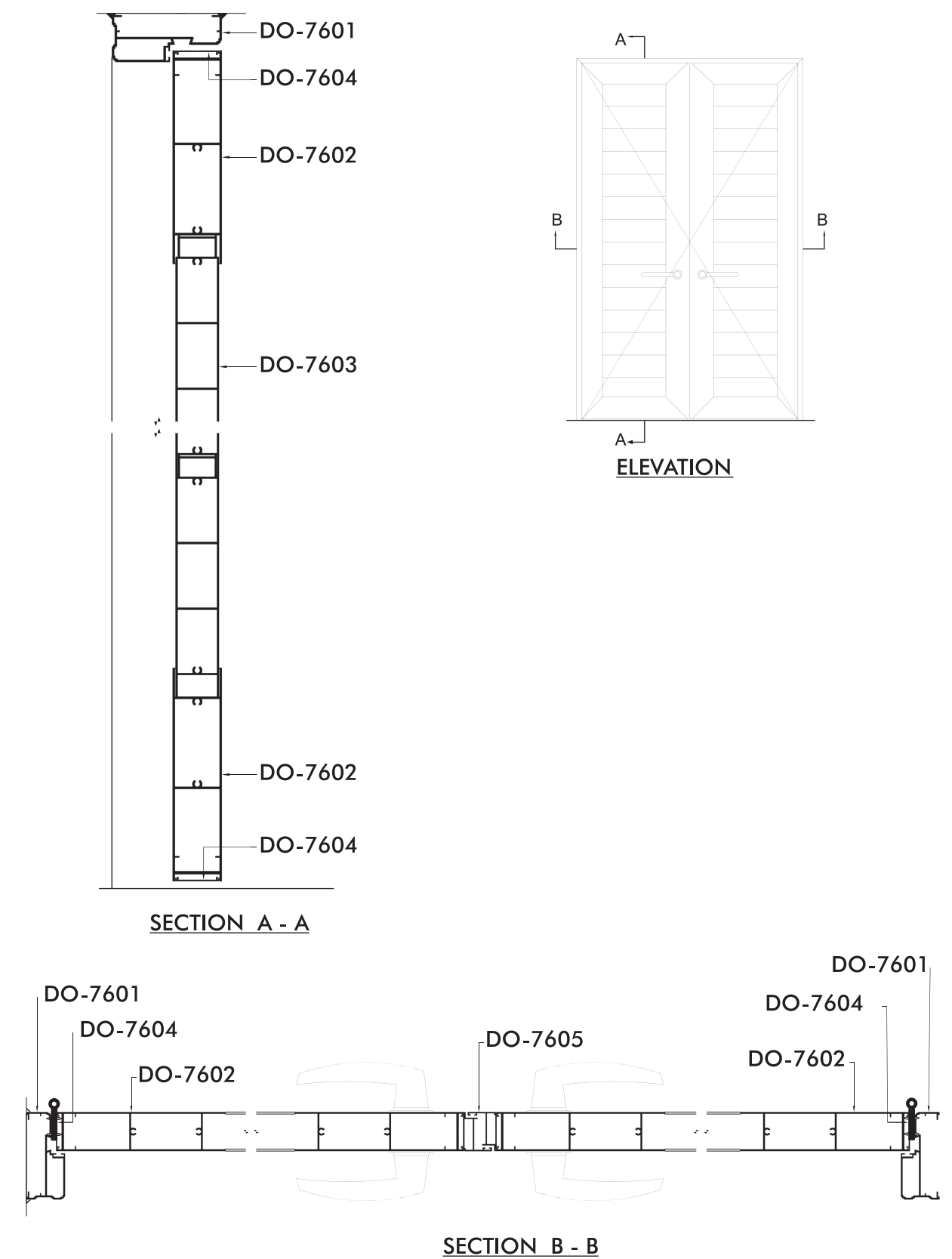


Profile No. - DO-7603
Est. Weight - 1.731 kg/m

76mm Panel Door – Single Sash

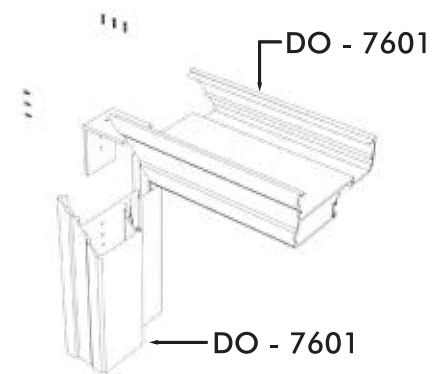


76mm Panel Door – Double Sash

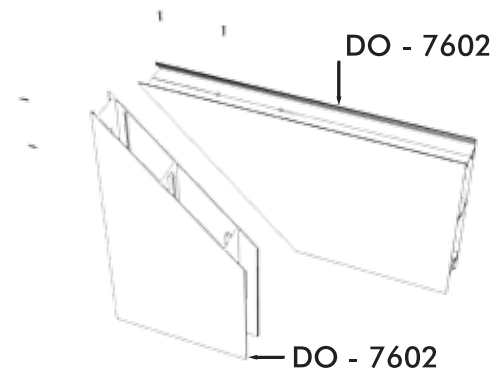


76mm Panel Door

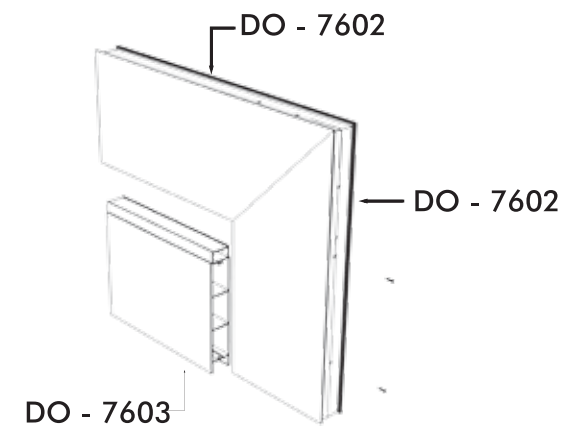
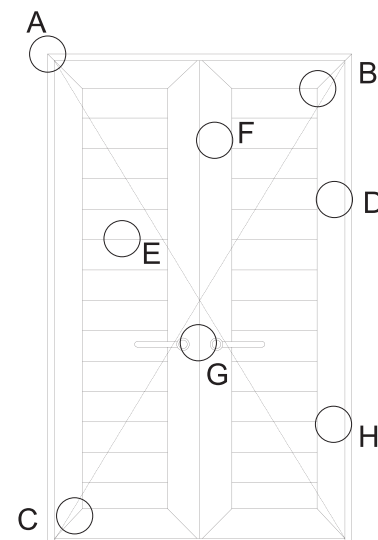
3D Assembly Detail - 76mm Panel Door



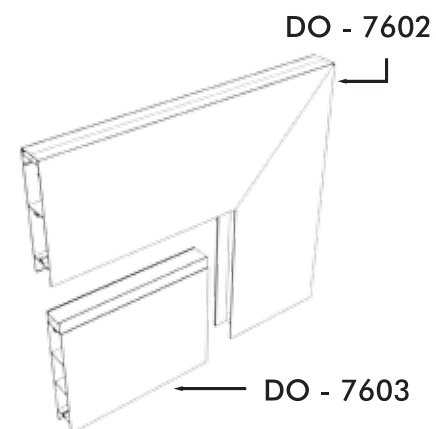
Detail - "A" Head & Jamb Corner Joint 45°



Detail - "B" Sash Corner Joint 45°

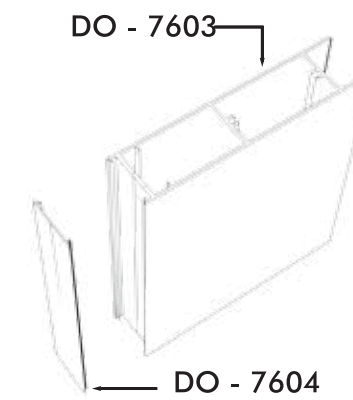


Detail - "C" Sash Assembly Detail

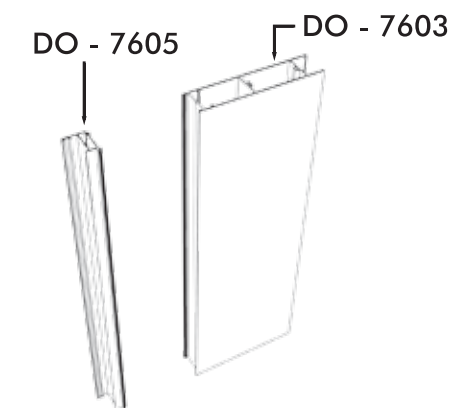


76mm Panel Door

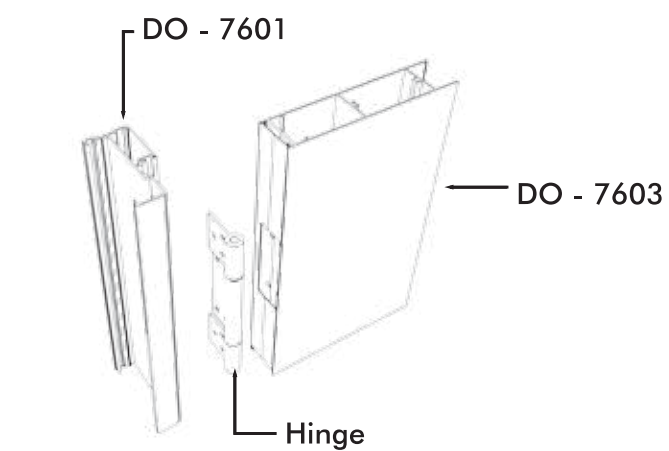
3D Assembly Detail - 76mm Panel Door



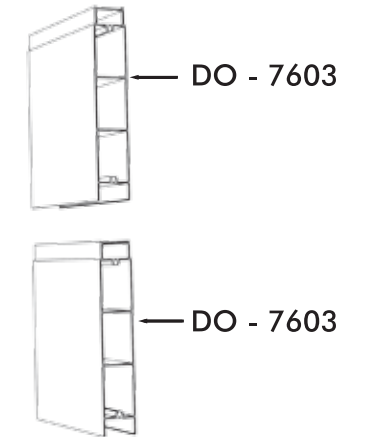
Detail - "D"



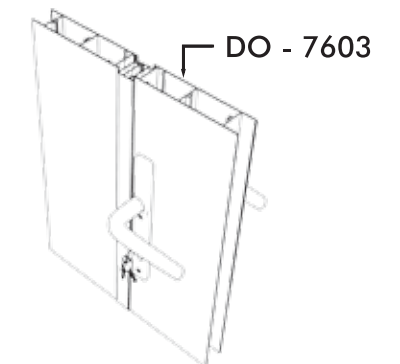
Detail - "F"



Detail - "H" Sash with Hinge

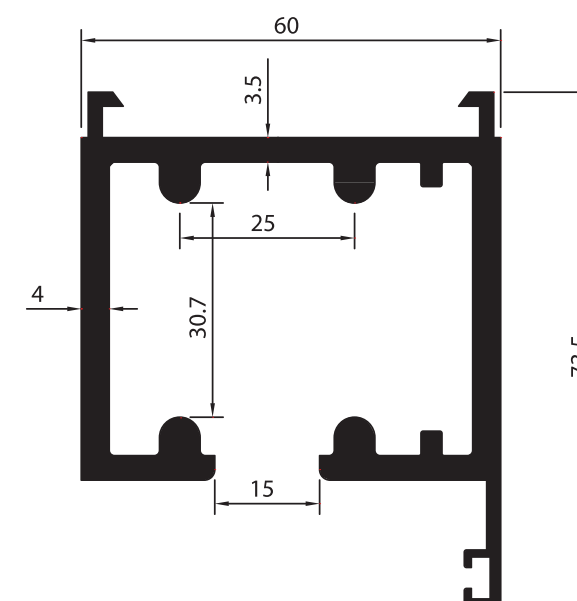


Detail - "E"

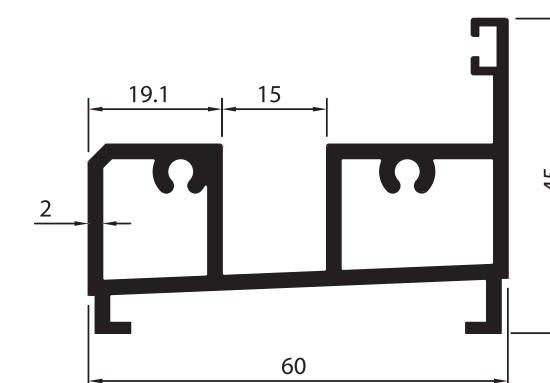


Detail - "G" Sash and Lock

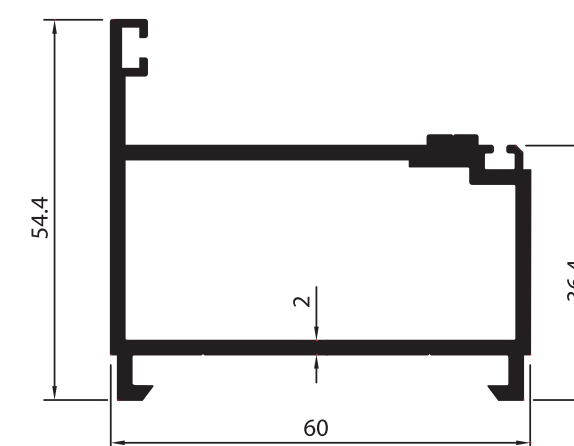
Sliding - Folding Door



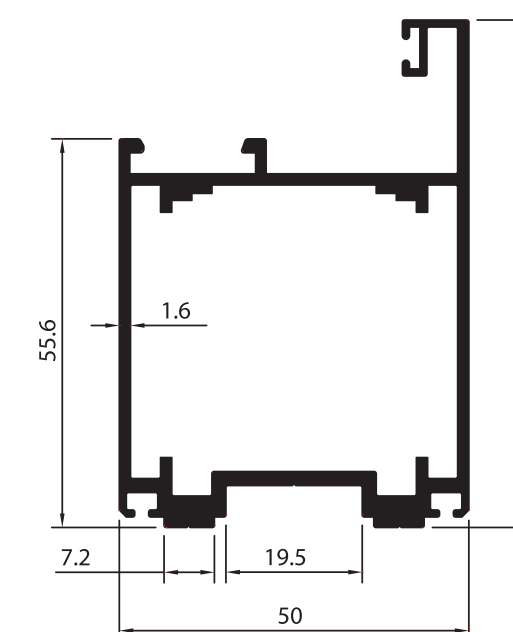
Profile No. - FD-6001
Est. Weight - 2.483 kg/m



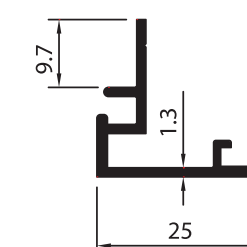
Profile No. - FD-6002
Est. Weight - 1.240 kg/m



Profile No. - FD-6003
Est. Weight - 1.205 kg/m

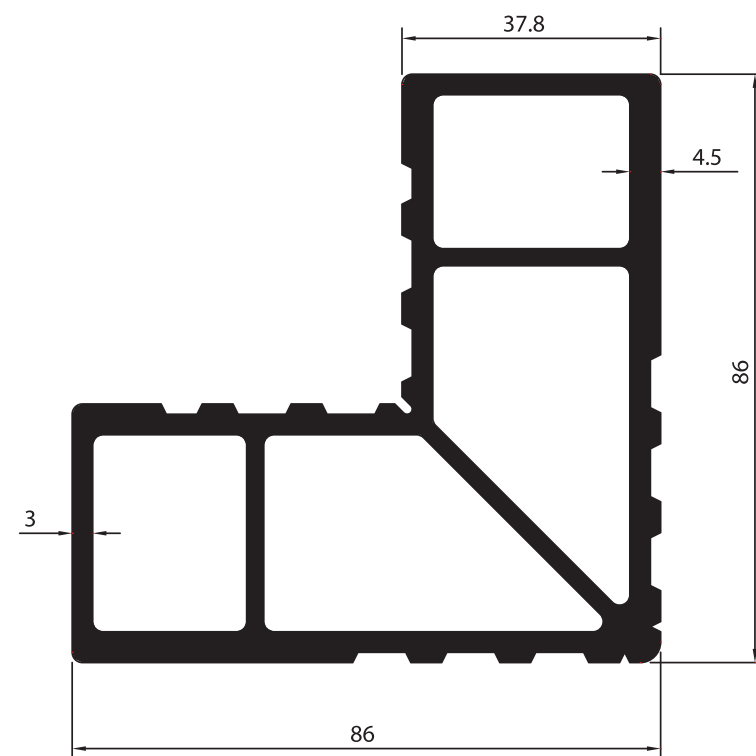


Profile No. - FD-6004
Est. Weight - 1.376 kg/m

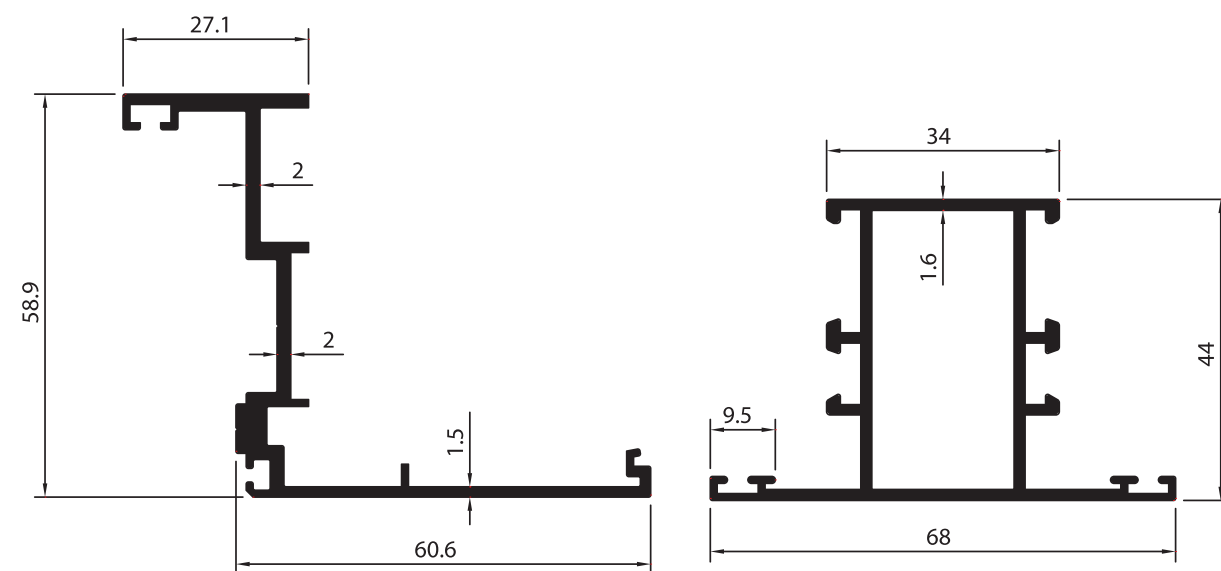


Profile No. - FD-6005
Est. Weight - 0.242 kg/m

Sliding - Folding Door



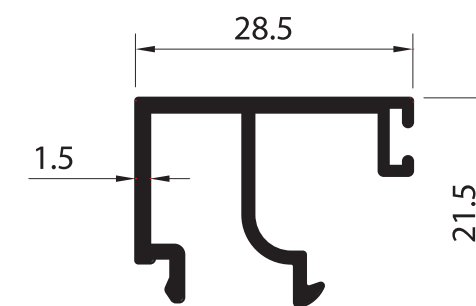
Profile No. - FD-6006
Est. Weight - 4.041 kg/m



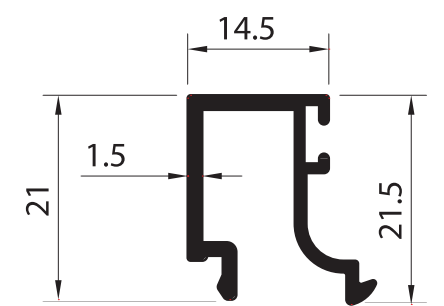
Profile No. - FD-6007
Est. Weight - 0.887 kg/m

Profile No. - FD-6008
Est. Weight - 0.958 kg/m

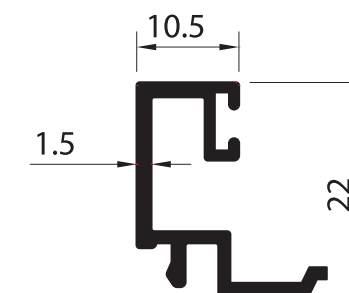
Sliding - Folding Door



Profile No. - FD-6009
Est. Weight - 0.320 kg/m

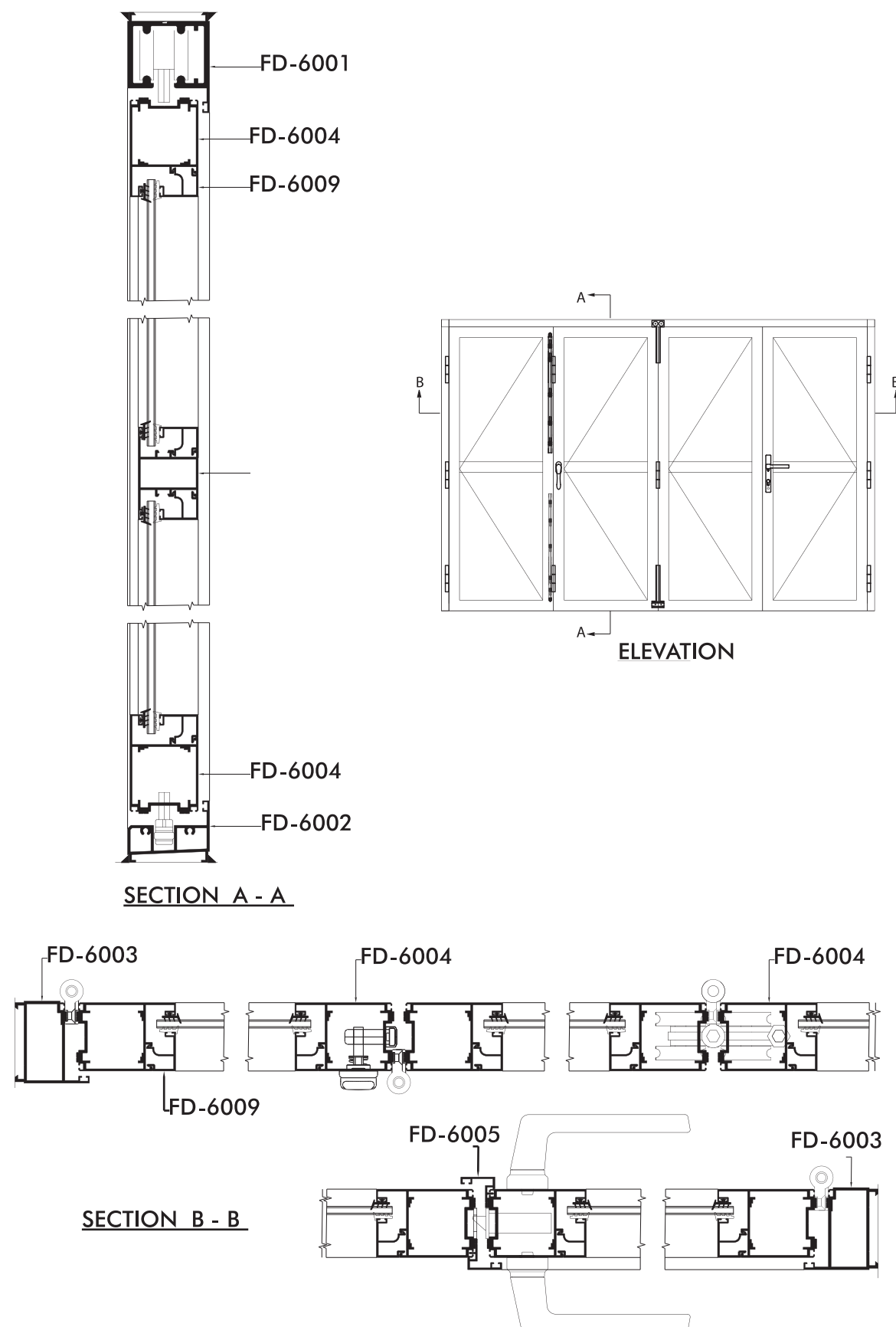


Profile No. - FD-6010
Est. Weight - 0.243 kg/m



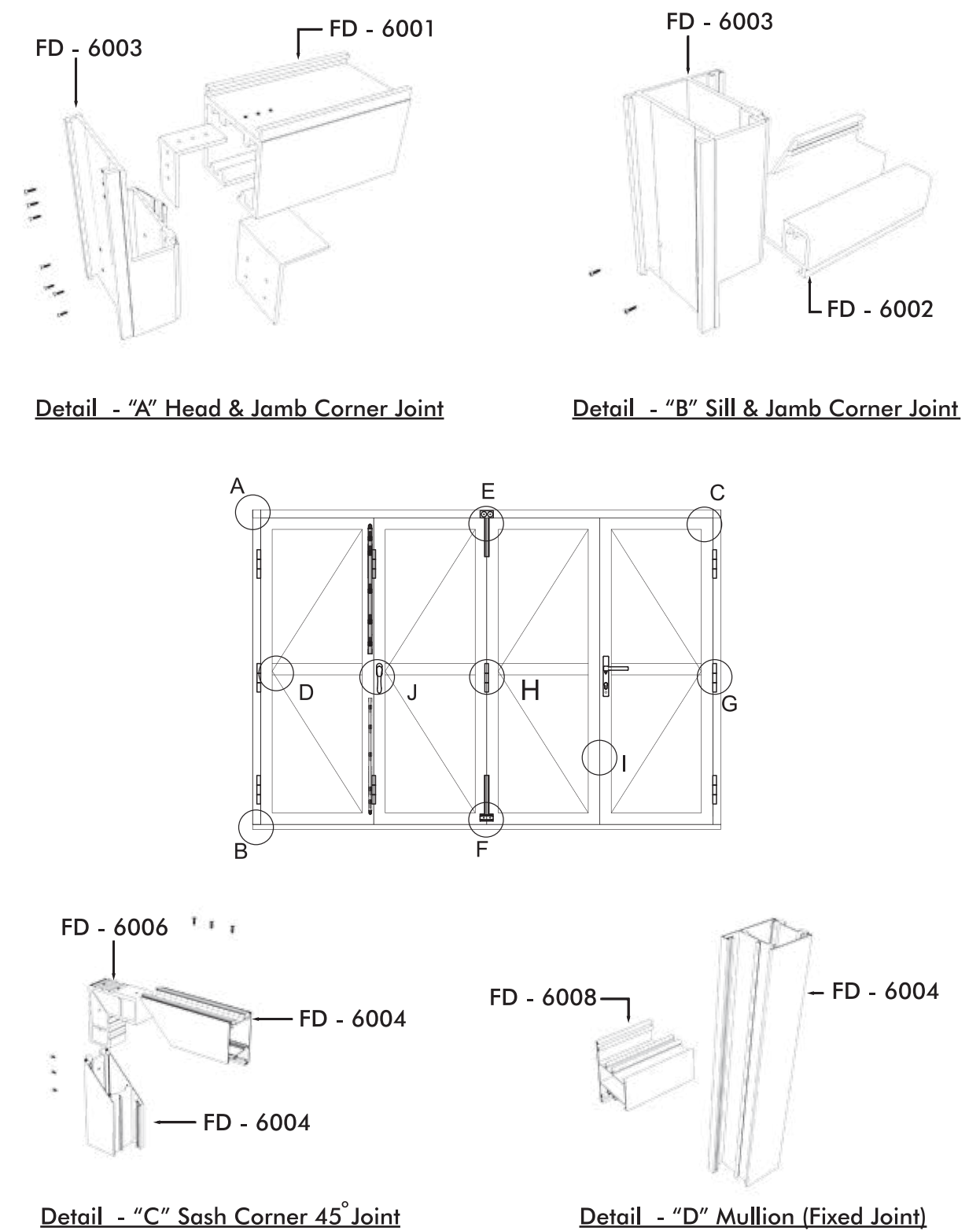
Profile No. - FD-6011
Est. Weight - 0.233 kg/m

Sliding - Folding Door



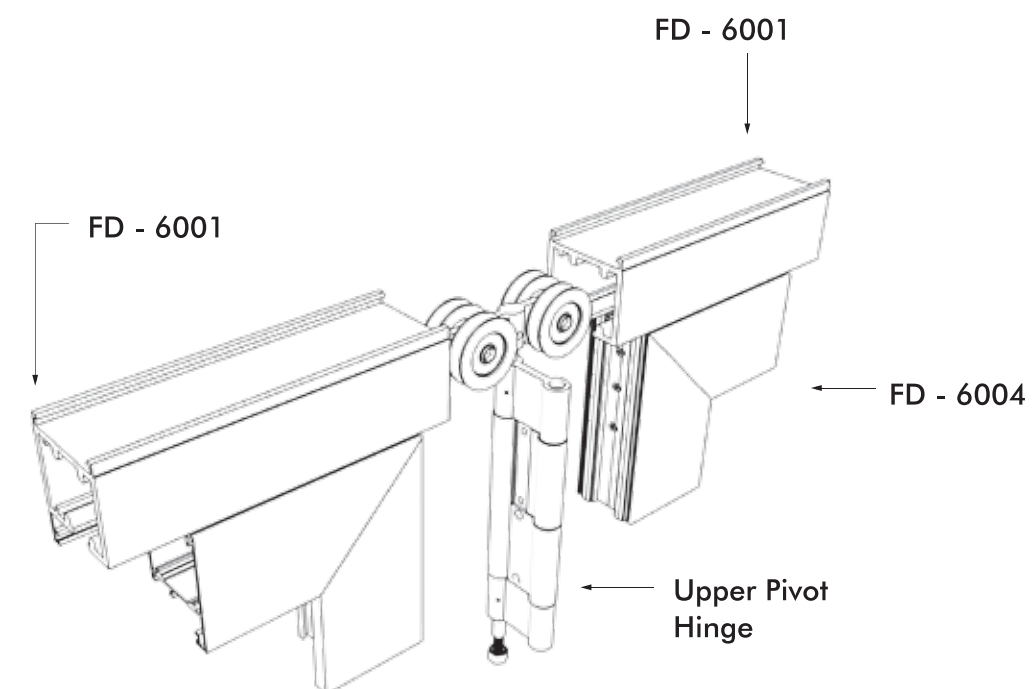
Sliding - Folding Door

3D Assembly Detail – Sliding -Folding Door

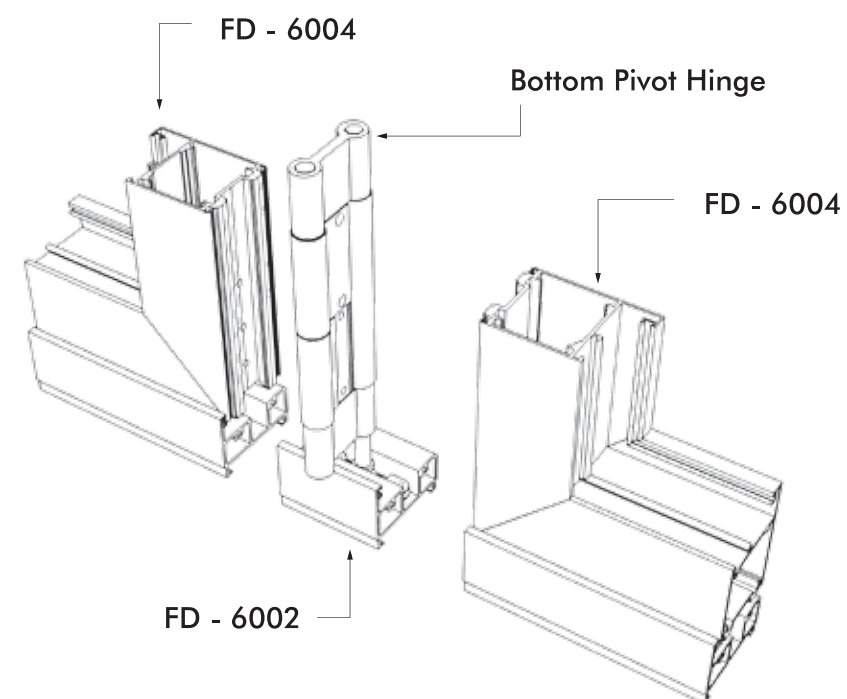


Sliding - Folding Door

3D Assembly Detail – Sliding -Folding Door



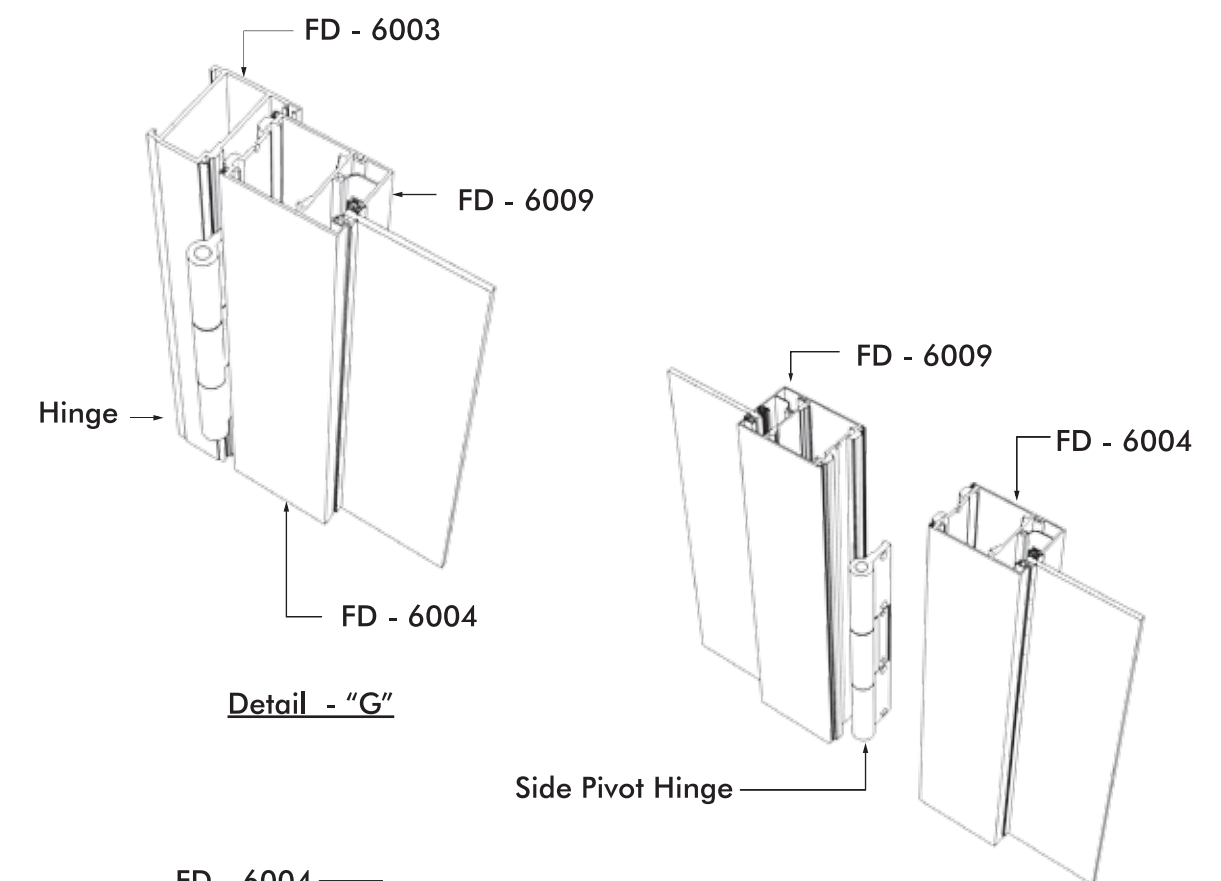
Detail - "E" Head & Upper Pivot Hinge



Detail - "F" Sill & Bottom Pivot Hinge

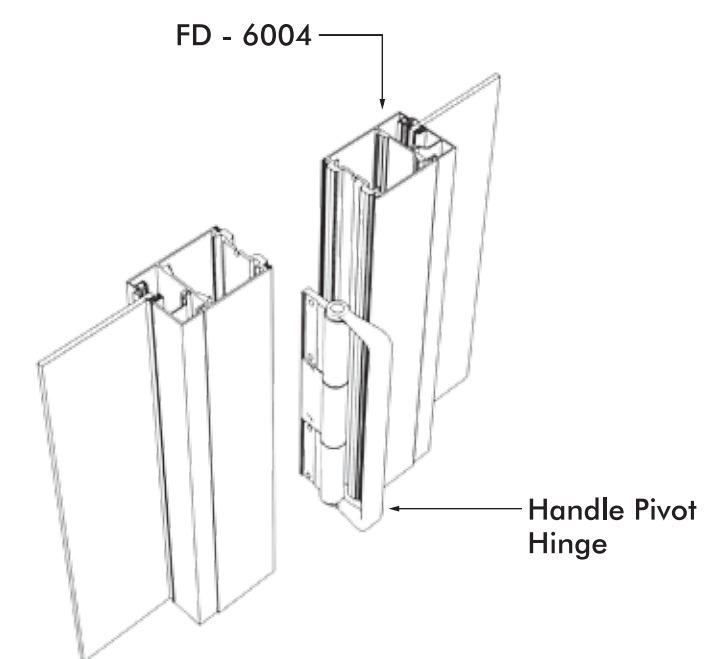
Sliding - Folding Door

3D Assembly Detail – Sliding -Folding Door



Detail - "G"

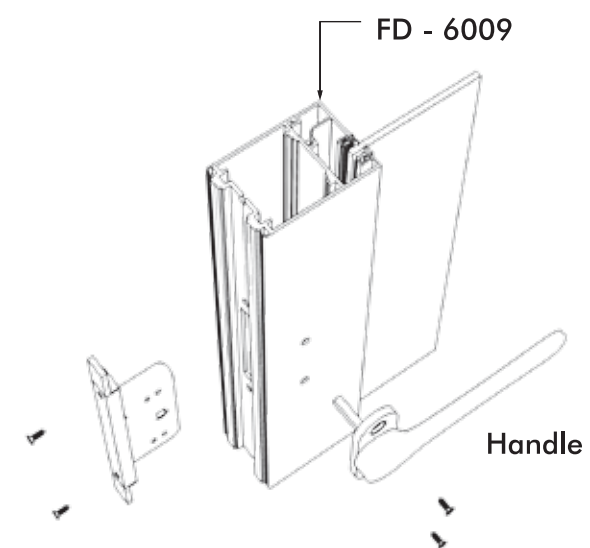
Detail - "H"



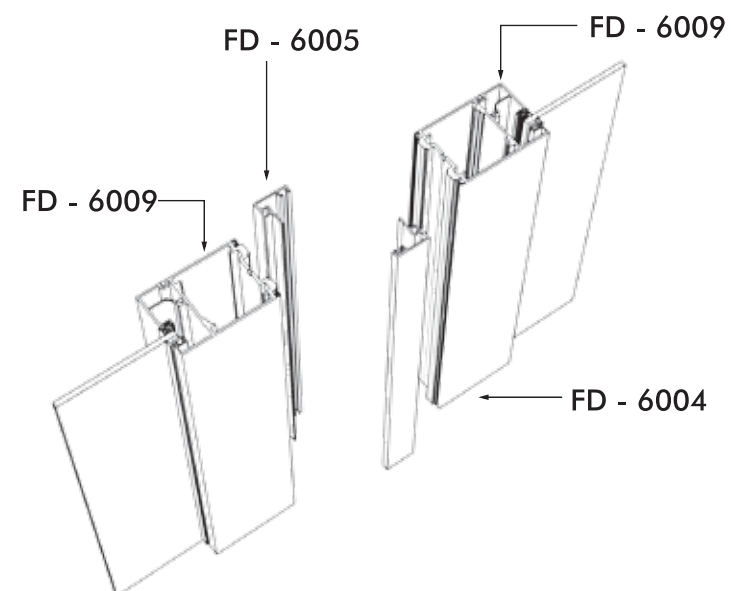
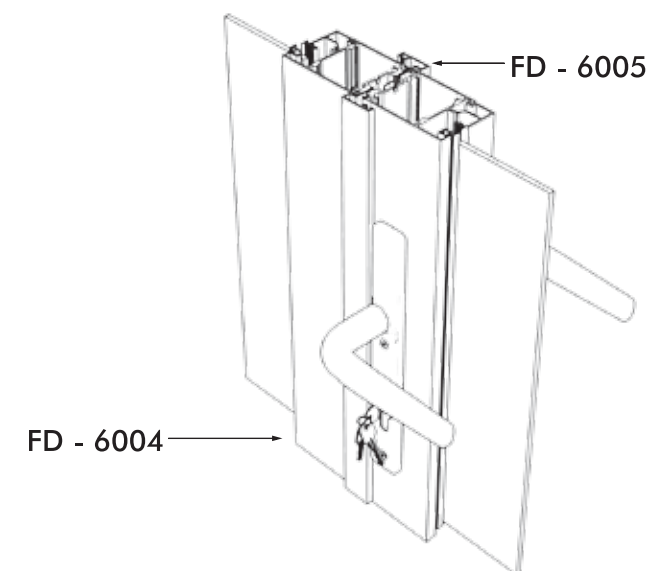
Detail - "J"

Sliding - Folding Door

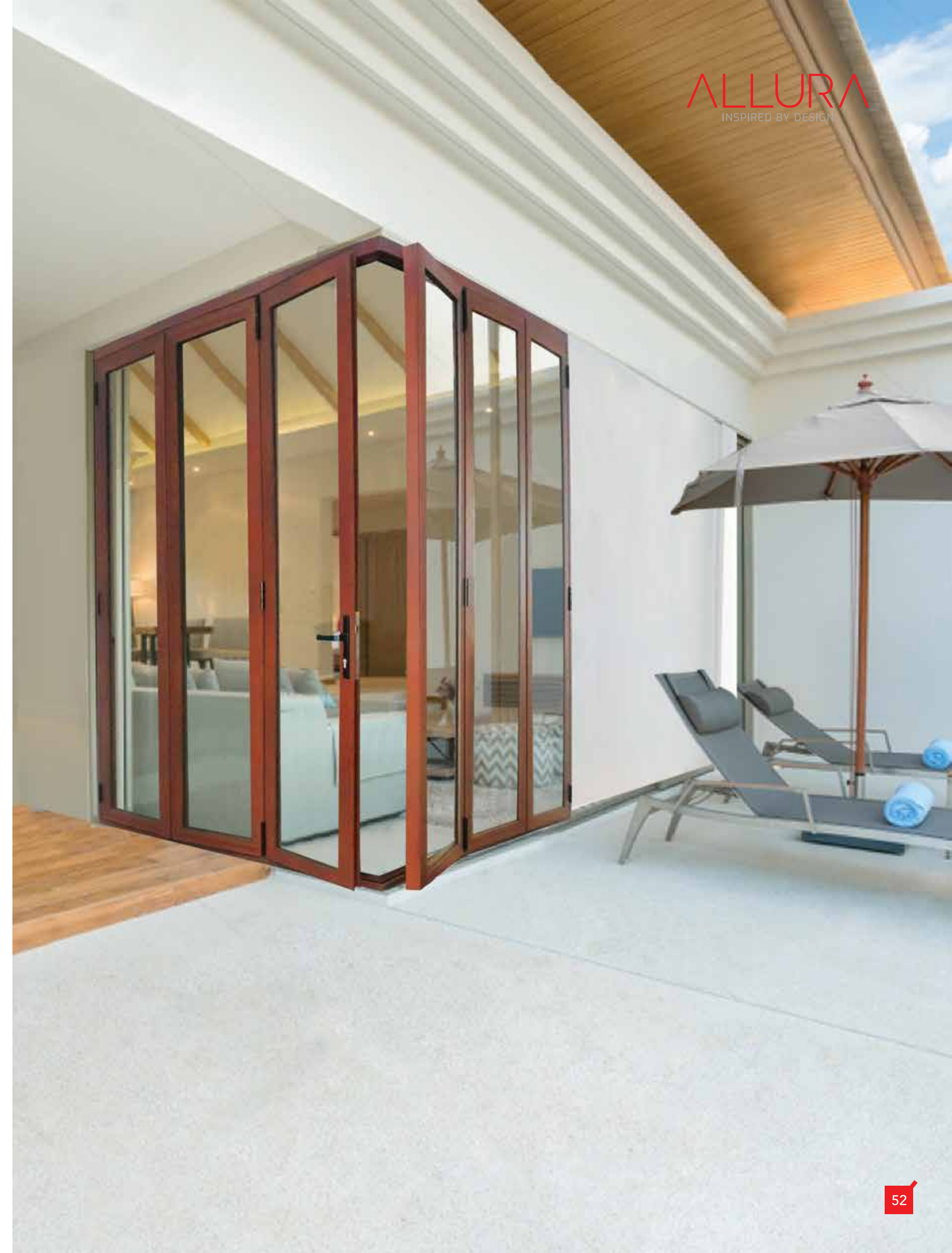
3D Assembly Detail – Sliding -Folding Door



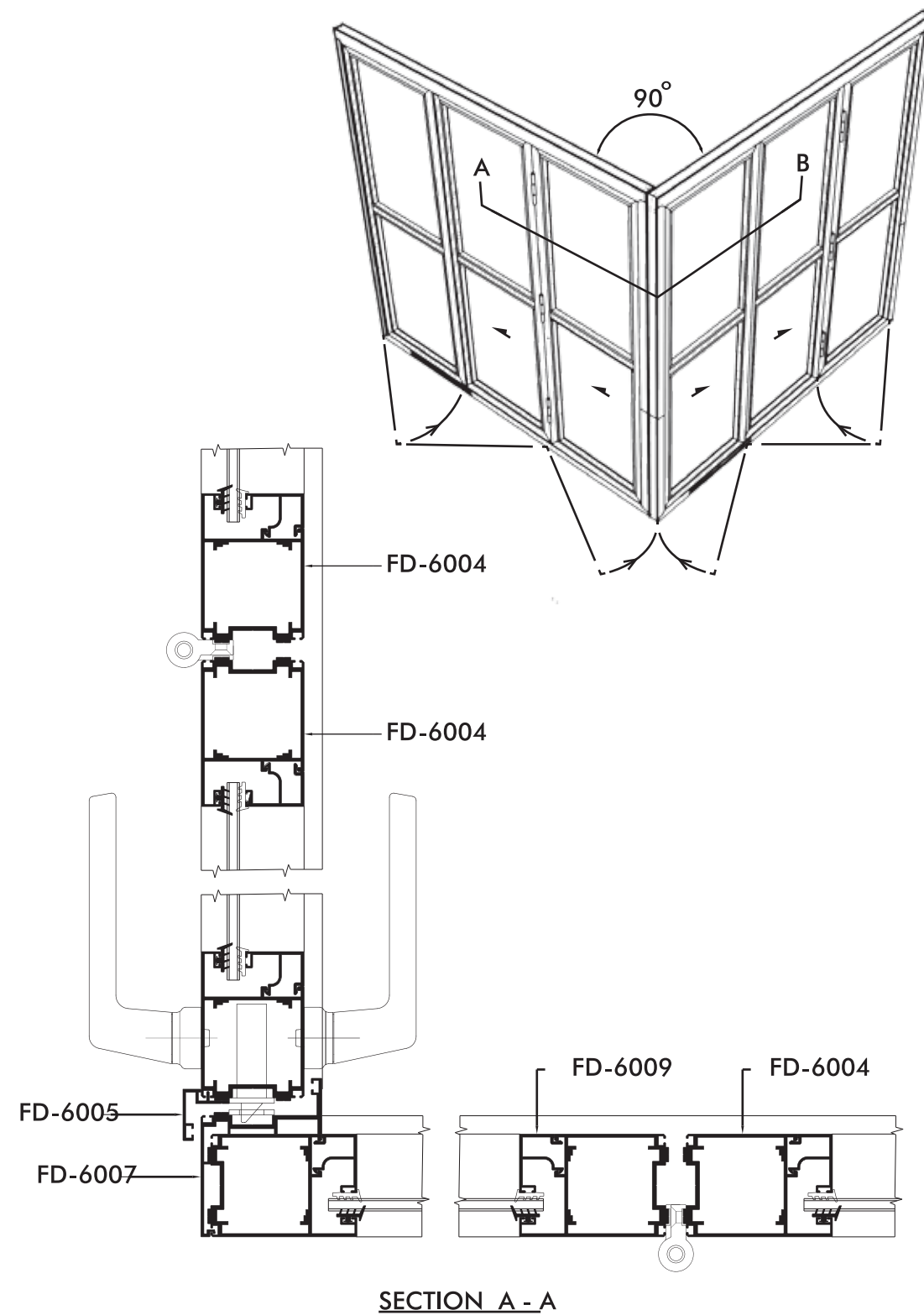
Detail - "J" Lock Assembly Detail



Detail - "I" Sash Lap Joint



Open corner Sliding - Folding Door





To Whom It may concern.

Dated: 02nd April 2018

**Confirmation of Evaluation on
JOTUN APPROVED APPLICATOR PROCESS OF**

SWISSTEK ALUMINIUM LIMITED

No: 76/7, Pahala Dompe,
Dompe, Sri Lanka

Dear Sir,

We confirm that SWISSTEK ALUMINIUM Limited is using Jotun Powders for their extrusion profiles since long time. Jotun is supplying Jotun PE-F Series Exterior Powders adhering to Qualicoat Class 1 and AAMA 2603.

Qualicoat Class 1 AAMA 2603	Jotun Façade (Corro-Coat PE-F)	✓ Jotun Façade 22xx ✓ Jotun Façade 24xx ✓ Corro-Coat PE-F 13xx ✓ Corro-Coat PE-F 14xx
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Warranty is extended as per the Jotun Approved Applicator program and warranty documents

SWISSTEK ALUMINIUM uses recommended pretreatment & application method for their Powder Coating process. They have applied for "Jotun Approved applicator status" which is under final stage of Evaluation and should be awarded soon after the evaluation completes.

Thanking you,

Yours Sincerely,

Chamil De Costa
Sales Manager – Jotun Powder Coatings
Sri Lanka
0094 777635363



SRI LANKA STANDARDS INSTITUTION

Permit for the Use of SLS Certification Mark

1. By virtue of the powers derived under the provisions of section 19 of the Sri Lanka Standards Institution Act, No.6 of 1984, the Institution hereby grants to SWISSTEK ALUMINIUM LTD.

(Name of the Permit Holder)

of NO. 76/7, PAHALA DOMPE, DOMPE

(hereinafter

(Address)

called "the permit holder" this permit to use the Certification Mark set out in the first column of the Schedule hereto upon or in respect of the article(s)/Process set out in the second column of the said Schedule and manufactured/~~processed~~/~~operated~~ at the premises located at NO. 76/7, PAHALA DOMPE, DOMPE

(Address)

and which are in conformity with the relevant Sri Lanka Standard(s) referred to in the third column of the said schedule as amended or revised from time to time.

2. This permit carries the rights and obligations stipulated in the rules and regulations made under the above mentioned Act.
3. This permit is subject to the General Conditions and Specific Conditions Issued as annexes to this permit.
4. The Institution reserves the right to change or add to any of the said conditions as and when required, with prior notice.
5. This permit is valid for the period upto the stipulated date of expiry, subject to the validity of the relevant Standards including the amendments and revisions if any, or until it is cancelled by the Director General or the Officer authorized on that behalf by the Director General or surrendered by the permit holder.

Permit No: 1335

Date of Issue: 2019-02-10

Date of Expiry: 2020-02-09

THE SCHEDULE

(1) Certification Mark	(2) Article (s)/Process	(3) Sri Lanka Standard(s)
 1410	"SWISSTEK ALUMINIUM" BRAND EXTRUDED ALUMINIUM ALLOY PROFILES (PLEASE SEE SPECIFIC PERMIT CONDITIONS FOR THE SCOPE)	SLS 1410 : 2011 SPECIFICATION FOR EXTRUDED ALUMINIUM ALLOY PROFILES FOR ARCHITECTURAL APPLICATIONS


Director General/Authorized Officer
SRI LANKA STANDARDS INSTITUTION

Authorization

to use the quality sign



This is to certify that

Swisstek Aluminium Limited

No. 76/7, Pahala Dompe
LK – 11680 Dompe

Licence number: 5202

is capable of providing products meeting the requirements for SEASIDE Class and is authorized to use the quality sign which is shown above according to the REGULATIONS FOR THE USE OF THE QUALICOAT QUALITY SIGN FOR PAINT, LACQUER AND POWDER COATINGS ON ALUMINIUM FOR ARCHITECTURAL APPLICATIONS.

Date of issue of the licence: 17.08.2018
Period of validity of the licence: until 31.12.2019

Zurich, 2 July 2019

QUALICOAT

M.C. Panam

Mohammed C. Panam
President

CERTIFICATION BODY

JS

Josef Schoppig
Managing Director



Residence:
QUALICOAT, Tödistrasse 42, CH-8002 Zurich
Domicile:
QUALICOAT c/o ARCO Association Management Ltd, Tödistrasse 42, CH-8002 Zurich

Phone: +41 44 515 98 40
E-mail: info@qualicoat.net
Internet: www.qualicoat.net

Authorization

to use the quality sign



This is to certify that

Swisstek Aluminium Limited

No. 76/7, Pahala Dompe
LK – 11680 Dompe

Licence number: 5202

is authorized to use the quality sign which is shown above according to the REGULATIONS FOR THE USE OF THE QUALICOAT QUALITY SIGN FOR PAINT, LACQUER AND POWDER COATINGS ON ALUMINIUM FOR ARCHITECTURAL APPLICATIONS.

Date of issue of the licence: 17.08.2018
Period of validity of the licence: until 31.12.2019

Zurich, 1 January 2019

QUALICOAT

M.C. Panam

Mohammed C. Panam
President

CERTIFICATION BODY

JS

Josef Schoppig
Managing Director



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