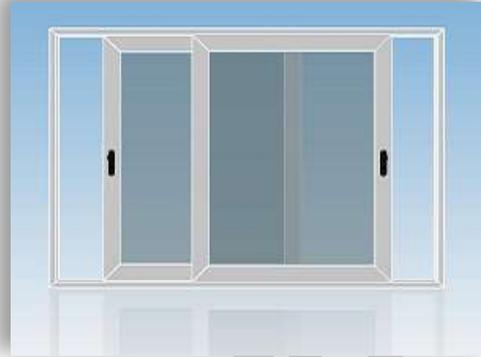




HIGH PERFORMANCE THERMAL LIFT AND SLIDE DOOR
EF1120



FRAME

FRAME DEPTH 120mm (4 ¾")

MIN PER PANEL WIDTH 750mm (2' 5-1/2")

MIN PER PANEL HEIGHT 3000mm (9' 10-1/8")

MAX PER PANEL WIDTH 1800mm (5' 10-7/8")

MAX PER PANEL HEIGHT 3100mm (10' 2")

WEIGHT RANGE 130KG – 400KG PER PANEL

GLAZING

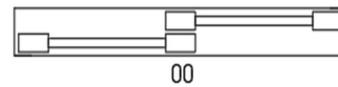
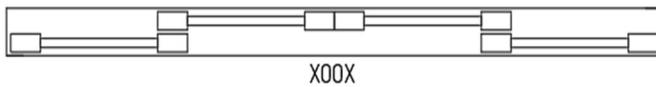
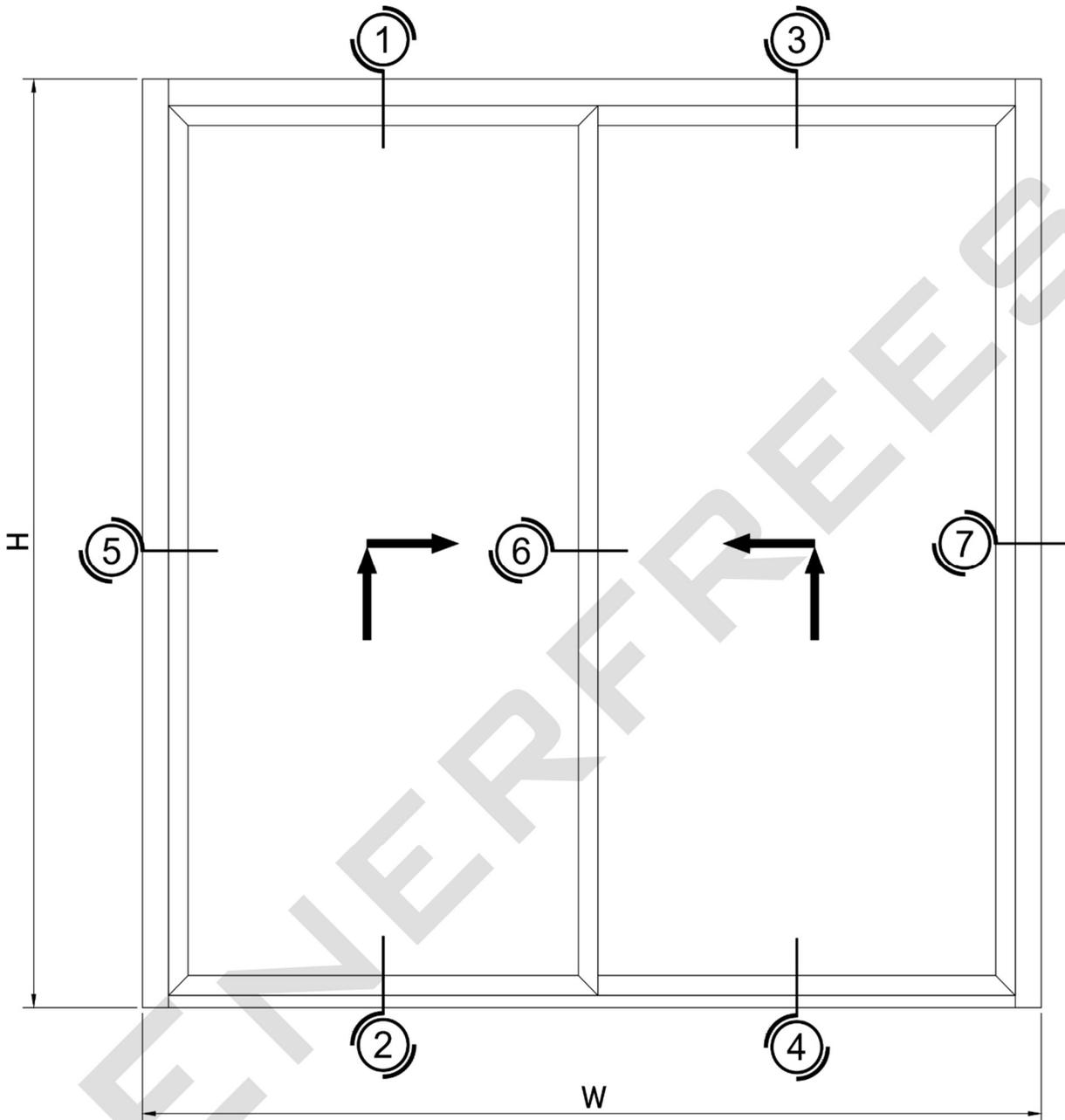
Insulated, Tempered Glass, Low-E, Argon Filled, Warm-Edge Spacer, 3A Molecular Sieve

Thickness Double Glazing 5mm+12mm+5mm
(OVERALL = 22mm (7/8"))

5mm+16mm+5mm
(OVERALL = 26mm (1"))

6mm+12mm+6mm
(OVERALL = 24mm (15/16"))

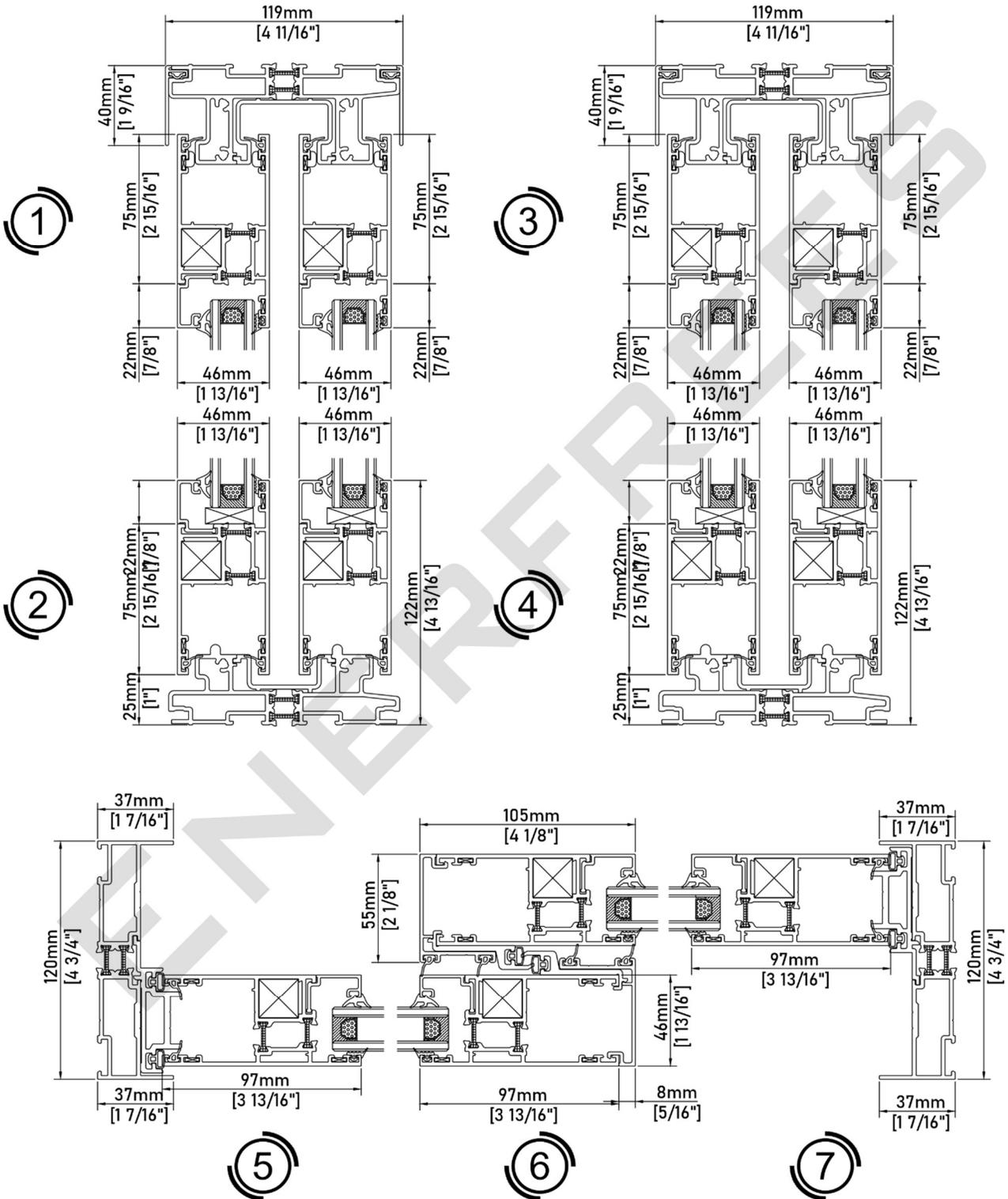
6mm+16mm+6mm
(OVERALL = 28mm (1 1/8"))



XOOX – FIXED + OPERABLE + OPERABLE + FIXED

OO – OPERABLE + OPERABLE

DETAILS:





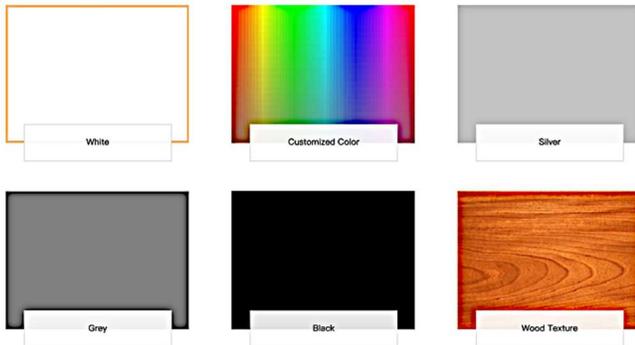
FENESTRATION

Commonly use by the need to maximize larger openings, use larger panels for wider view, and most important is to increased thermal performance. The doors sit down directly on the track and the handle must be wheeled round 180° to 'lift' the door up on to its rollers. This means that the door is always positioned perfectly. It is either fully closed for the best seal or fully lifted on heavy duty running gear allowing for a gliding movement of the door. Due to this operation, you can effectively lock the door in an open position which cannot be moved accidentally and allowing for an amount of secure ventilation.

Our Lift & Slide Aluminum Door system provides the slimmest sightlines which can carry increased weights typically up to 150-300kg and certain systems up to 400kg. The advanced running gears mean these doors are much easier to move regardless of the weight.

FINISH

POWDER COATED. Powder coating is a polyester based coating that uses uniformly sized micro-beads of polyester, electrostatically charged to adhere to base materials. The coating is thick like an epoxy paint, but because it is electrostatically charged and then baked/cured onto the base material, it doesn't flake or peel like paint or epoxy. The color is softer than comparable colors and the depth of the coating is larger.



ADVANTAGE:

- Wide selection of colours
- Texturized finish is an option

ENERFREES HIGH-PERFORMANCE THERMAL BREAK (PA 66 OR NYLON 66)

Polyamide 66 (PA66) is a type of nylon. PA 66 is made of two monomers each containing 6 carbon atoms, hexamethylenediamine and adipic acid.

Melting point: 268.8 °C
Formula: (C₁₂H₂₂N₂O₂)_n
Density: 1.31 g/cm³
Boiling point: 452.1 °C
PubChem CID: 3032893

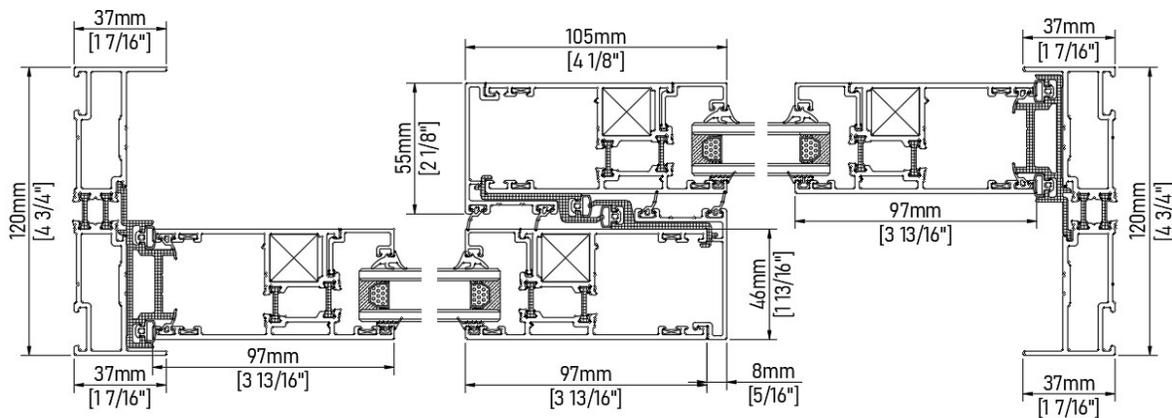


General Characteristic:

- High strength and stiffness at high temperature
- Good impact strength, even at low temperature
- Good abrasion and wear resistance
- Good fatigue resistance
- High water absorption and water equilibrium content limits the usage
- Low dimensional stability

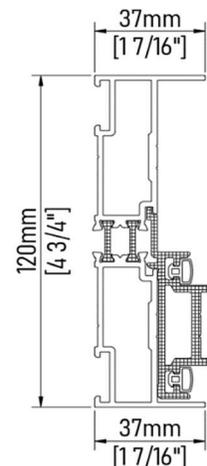
FRAME DESCRIPTION:

High Performance Thermally broken window system with frame depth of 120mm (4 ¾") frame section.



PARTS AND ACCESSORIES

LSPFA0001 – LS PERIMETER FRAME ASSEMBLY (LSPFA)
6063-T5/PA 66

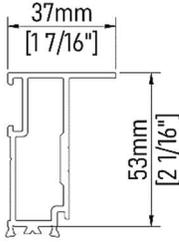
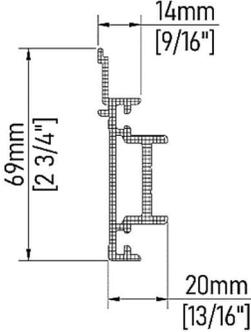
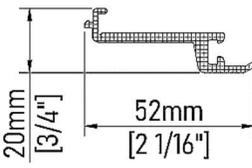
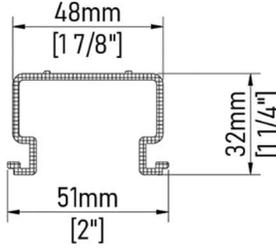
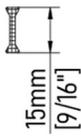
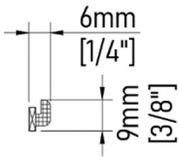




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Window & Wall Systems

LIFT AND SLIDE DOOR

S-EF1120

<p>LSOIA0001 – OUTSIDE/INSIDE ALUMINUM (OIA) 6063-T5</p>	
<p>LSFC0001 – L&S FRAME END CUSHION (LSFEC) NYLON 66 (PA66)</p>	
<p>LSFC0001 – L&S SASH INTERLOCK CUSHION (LSSIC) NYLON 66 (PA66)</p>	
<p>LSFC0001 – L&S TOP/BOTTOM RAIL BASE CAP (LSTBRBC) NYLON 66 (PA66)</p>	
<p>WPITB0001 – I THERMAL BREAK (ITB) NYLON 66 (PA66)</p>	
<p>LSTRLG0001 – TOP RAIL LIFT GUIDE (TRLG) NYLON 66 (PA66)</p>	



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LIFT AND SLIDE DOOR

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<p>LSSA0001 – L&S SASH ASSEMBLY (VESA) 6063-T5/PA 66</p>	
<p>LSISA0001 – L&S INSIDE SASH ALUMINUM (LSIMA) 6063-T5</p>	
<p>LSISA0001 – L&S OUTSIDE SASH ALUMINUM (LSOMA) 6063-T5</p>	
<p>LSSFA0001 – L&S SASH END CAP (LSSEC)</p>	
<p>LSRA000TB – LS TOP AND BOTTOM RAIL ASSEMBLY (LSTBRA) 6063-T5/PA 66</p>	
<p>LSIRA0001 – LS INSIDE RAIL ALUMINUM (LSIRA) 6063-T5</p>	



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LIFT AND SLIDE DOOR

S-EF1120

<p>LSORA0001 – LS OUTSIDE RAIL ALUMINUM (LSORA) 6063-T5</p>	
<p>LSRSCA0001 – LS RAIL SIDE CAP ALUMINUM (LSRSCA) 6063-T5</p>	
<p>GLASS STOP</p>	
<p>LSGSX0001 – GLASS STOP (LSGSX) 6063-T5</p>	
<p>GLAZING (INSULATED GLASS UNITS) Tempered, Low-E, Argon Filled, Warm-Edge Spacer, 3A Molecular Sieve</p>	
<p>GIDPT0022- DOUBLE PANE GLASS (DPG 7/8" OA)</p>	
<p>GIDPT00024- DOUBLE PANE GLASS (DPG 15/16" OA)</p>	



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<p>WAGSB0001 - GLASS SETTING BLOCK (GSB) PVC</p>	
<p>WAGSB0002 - GLASS SETTING BLOCK (GSB) PVC</p>	
<p>WAGSB0002 - GLASS CORNER SETTING BLOCK (CSB) PVC</p>	

SEALS

EPDM rubber is a high-density synthetic rubber used for outdoor applications and other spaces in need of tough, versatile parts.

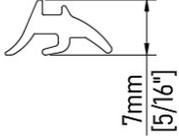
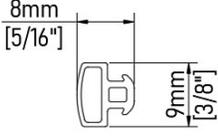
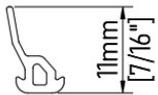
<p>WSIGX0001 - INTERIOR GASKET (IGX) EPDM RUBBER</p>	
<p>WSEGX0004 - EXTERIOR GASKET (EGX) EPDM RUBBER</p>	



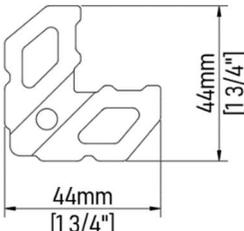
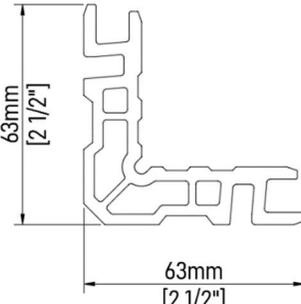
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LIFT AND SLIDE DOOR

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<p>WSIGX0006 - INTERIOR GASKET (EGX) EPDM RUBBER</p>	
<p>LSCSG0006 – CLOSED SEAL GASKET (EGX) EPDM RUBBER</p>	
<p>LSDSG0006 – DAMPER SEAL GASKET (EGX) EPDM RUBBER</p>	

OTHER COMPONENT/S

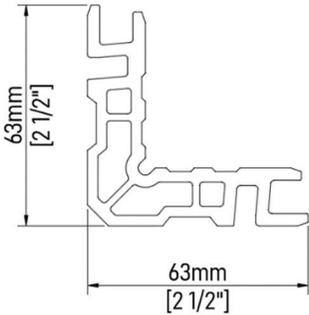
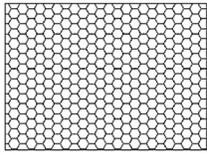
<p>WPCKX0001 – CORNER JOINT KEY (CJK) STAINLESS STEEL</p>	
<p>WPCJB0001 – CORNER JOINT BLOCK D-3/4" (CJB) 6063-T5</p>	

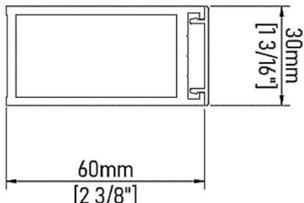
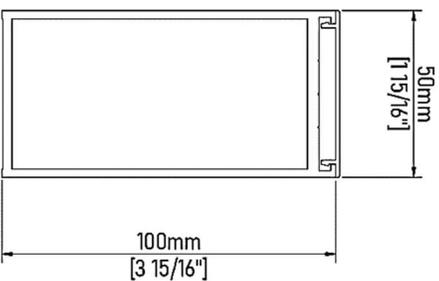


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<p>WPCJB0002 – CORNER JOINT BLOCK D-1/2" (CJB) 6063-T5</p>	
<p>WFIFX0001 – INJECTED FOAM INSULATION (IFX)</p>	

PERIMETER EXTENDERS	
<p>PFE6X0001 – PF EXTENDER 6063-T5</p>	
<p>PFE6X0002 – PF EXTENDER 6063-T5</p>	



GENERAL SPECIFICATION

I. PACKAGE INCLUDES

Manufacturing includes labour, materials, and services for the complete fabrication and assembly of EF1120 Lift and Slide Door System. Fabrication to include all necessary accessories and components, anchors, joint blocks, drain cover, seal rubbers, hardware, and sealants as required in the purchase agreement.

II. PACKAGE EXCLUDES

Structural installation or provision, framing, interior and exterior trims replacement/repairs, concrete masonry, brick restoration, final cleaning, protection, and/or any related work as specified.

III. PERFORMANCE AND QUALITY STANDARD REQUIREMENT AND ASSURANCE

Enerfrees EF1120 Lift and Slide Door supplied to client under this specification must comply to the performance standard requirements and test report from an independent testing laboratory certifying compliance shall be given upon request by the owner/architect/contractor.

Test Required: AAMA/WDMA/CSA 101/I.S.2/A440-17 NAFS – North American Fenestration Standard / Specification for windows, doors and skylights and A440S1:19 Canadian Supplement to AAMA/WDMA/CSA 101/I.S.2/A440-17 NAFS - North American Fenestration Standard / Specification for windows, doors and skylights.

IV. MANUFACTURING REFERENCES

An approved shop drawing shall be provided for manufacturing reference and Enerfrees pricing. Enerfrees pricing and drawing shall be signed back to finalize manufacturing and fabricating details.

V. ALUMINUM EXTRUSION

All extruded aluminum sections shall be 6063-T5 alloy or equivalent.

VI. FASTENERS

Fasteners shall be stainless steel or as required.

VII. FABRICATION/MANUFACTURING

EF1120 Lift and Slide Door will be fabricated according to the approved shop drawings. All joints will be assembled tight using manufactures provided assembly machines to comply with quality standard and assurance to carry out the product design performance.



VIII. INSTALLATION

Enerfree products that will be installed shall conform with the manufacturer's instructions and should comply with approved shop drawings. The work shall be performed by qualified or certified installer using proper equipment to carry out necessary, proper, and efficient installation in a professional manner.

IX. PROTECTION

Exposed aluminum finished surface shall be protected from contamination of mortar, concrete, paint, mud, soil, grease, sealant or caulking compound, and any other harmful substance that can cause damage to surface finish from prolong adhesion.

X. CLEANING

Provisional cleaning shall perform primary clear-out after installation and final cleaning shall be executed by the project owner in accordance with the general conditions listing methods outlined in AAMA 609 and 610-02.

