



HIGH PERFORMANCE THERMAL WINDOW  
E-1070

**FRAME**

FRAME DEPTH 70mm (2 ¾")

MAX SINGLE WINDOW WIDTH 1600mm (63')

MAX SINGLE WINDOW HEIGHT 1980mm (78')

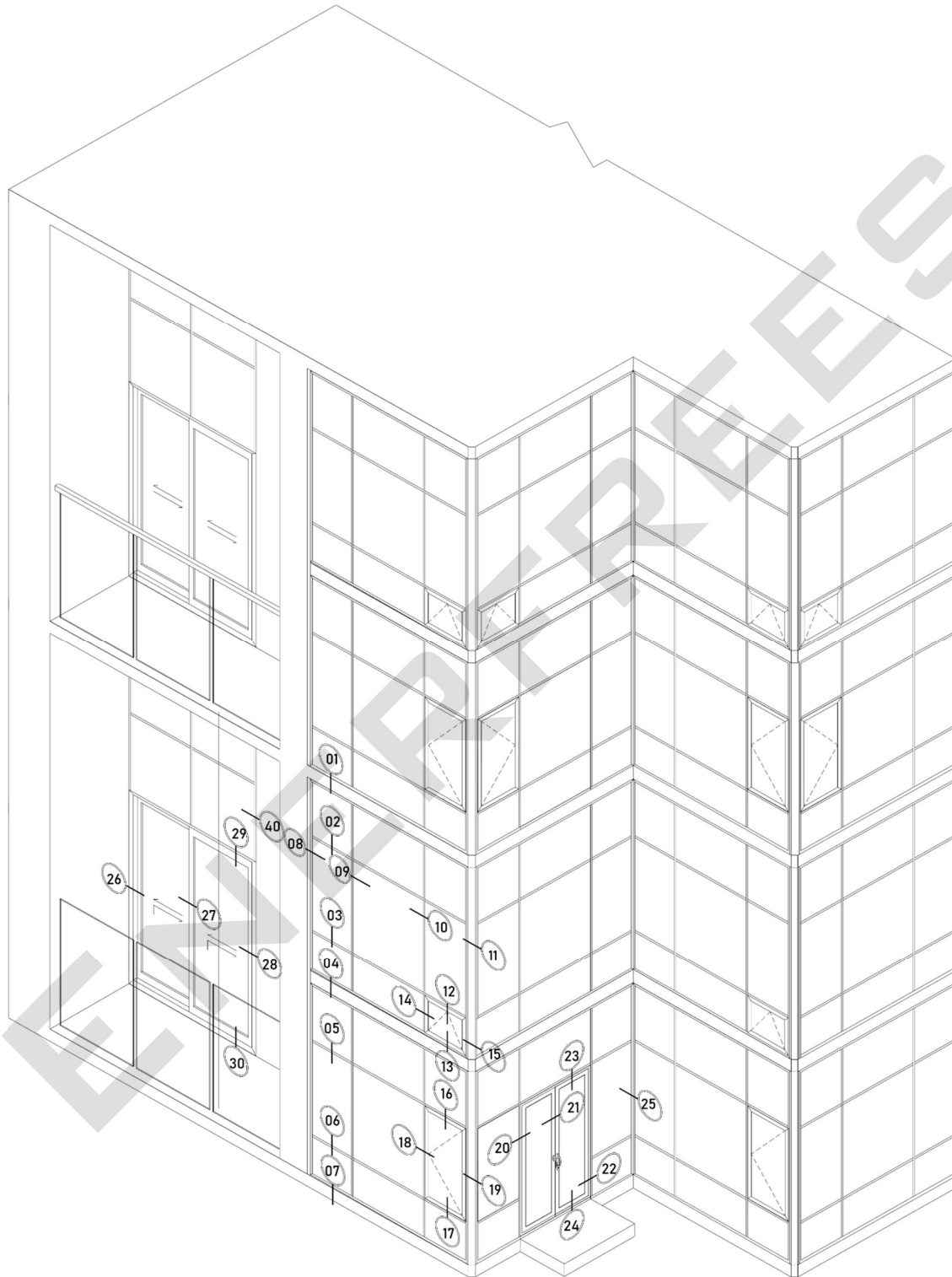
**GLAZING**

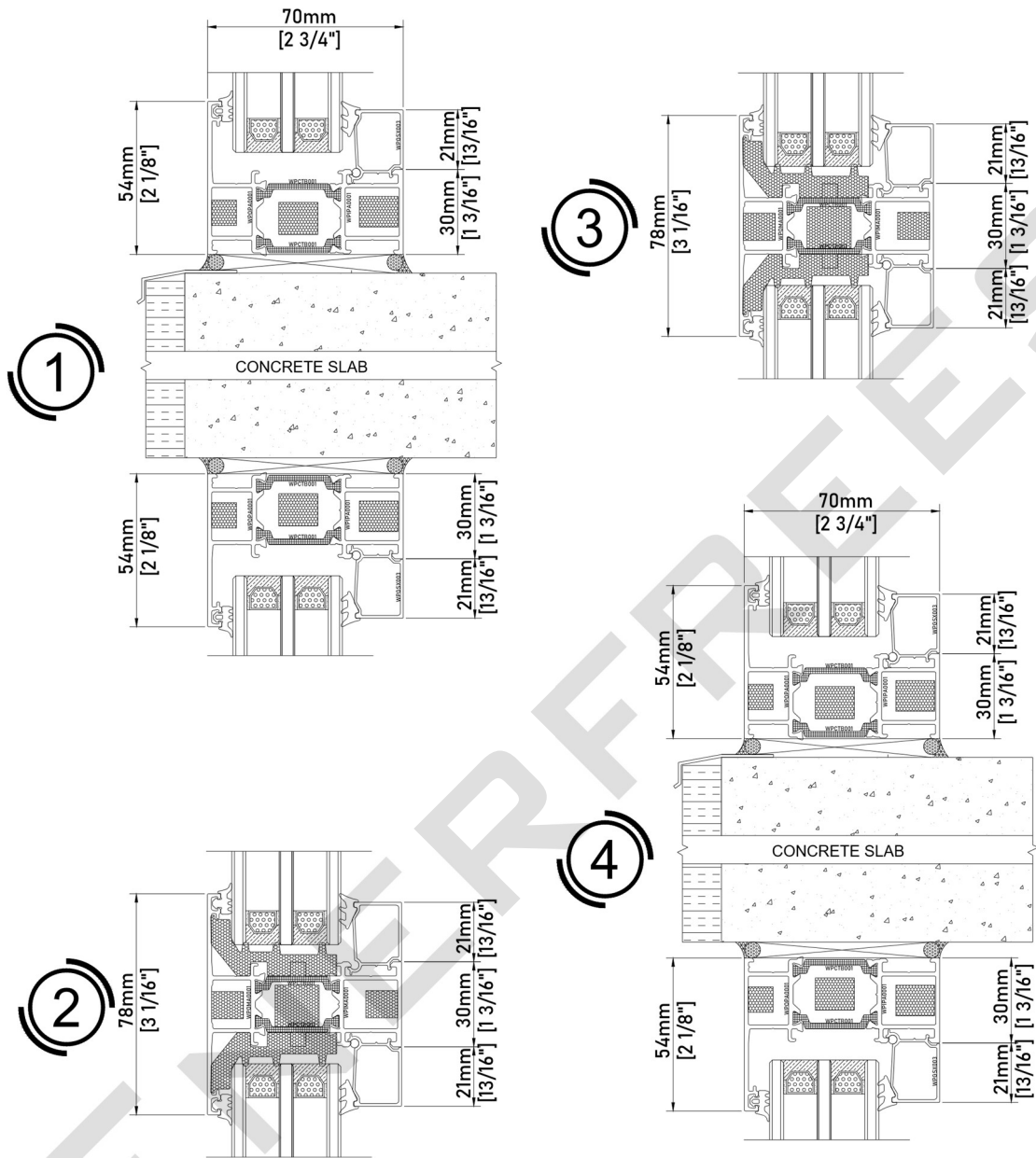
Insulated, Tempered Glass, Low-E, Argon Filled, Warm-Edge Spacer, 3A Molecular Sieve

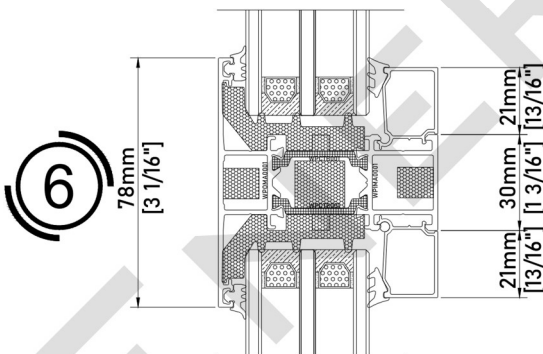
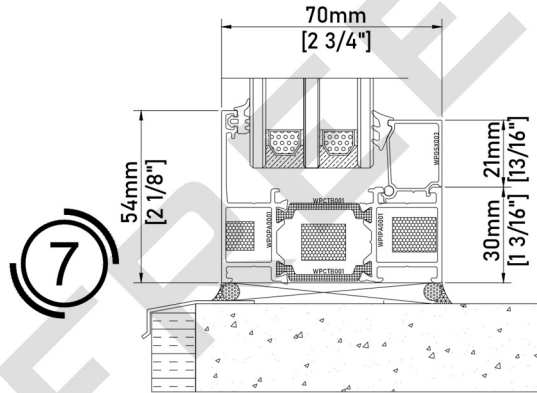
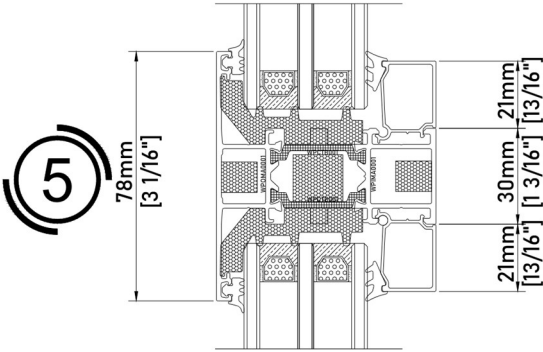
Thickness	Double Glazing	5mm+12mm+5mm (OVERALL = 22mm (7/8"))
		6mm+12mm+6mm (OVERALL = 24mm (1"))
		8mm+12mm+8mm (OVERALL = 28mm (1-1/8"))
	Triple Glazing	5mm+12mm+5mm+12mm+5mm (OVERALL = 39mm (1-1/2"))
		6mm+12mm+6mm+9mm+6mm (OVERALL = 39mm (1-1/2"))
		6mm+12mm+6mm+12mm+6mm (OVERALL = 42mm (1-5/8"))

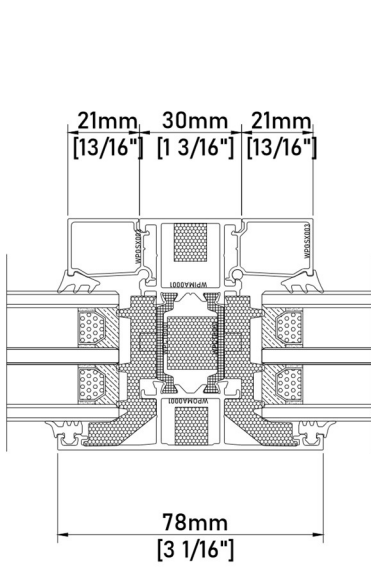


DETAILS:

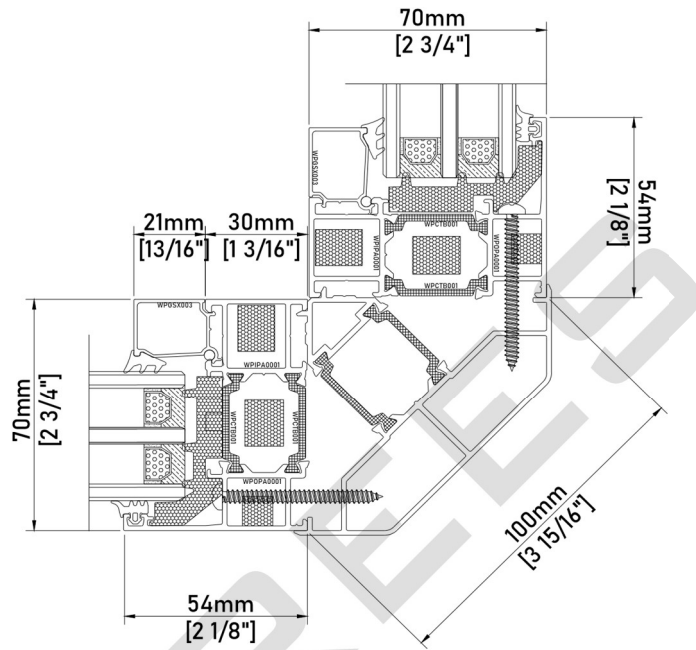




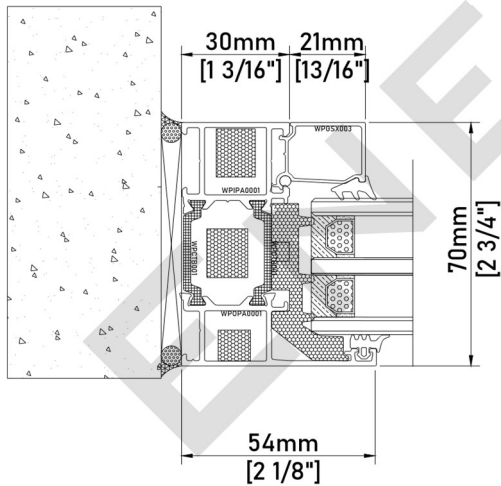




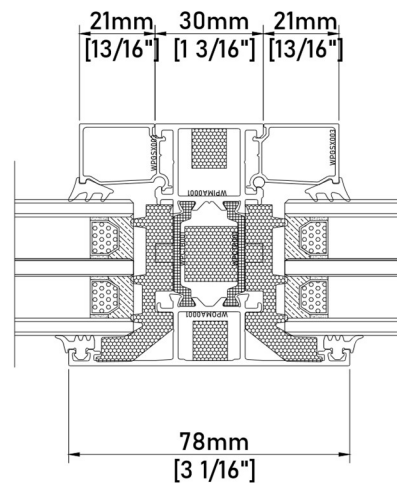
9



11



8



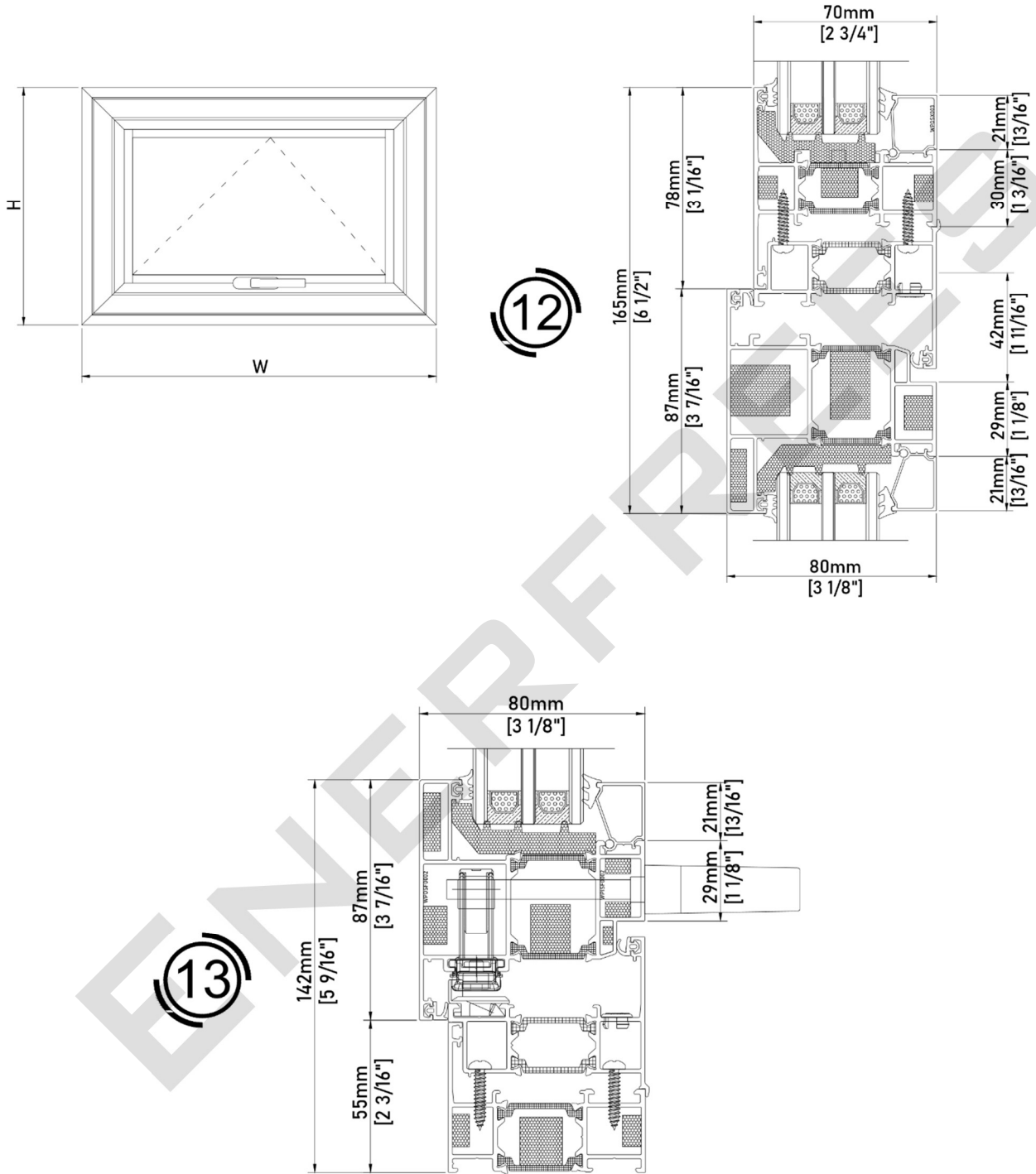
10



**ENERFREES**  
Window & Wall Systems

# Window Wall

# S-EF1070





**ENERFREES**  
Window & Wall Systems

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ENERFREES



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ENERFREES



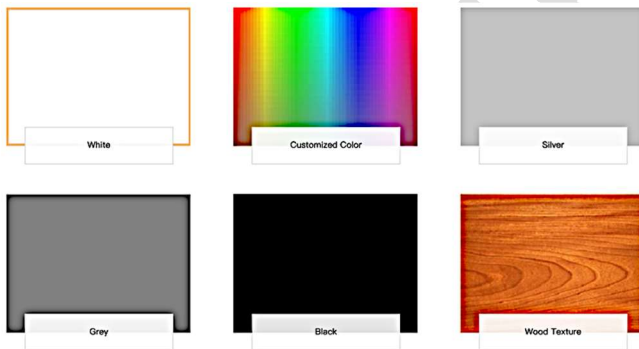


### FENESTRATION

Commonly used in high-rise and mid-rise buildings to meet increased loading requirements and limits on deflection, and in buildings where frequent and extreme use of the fenestration products is expected.

### 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:  $(C_{12}H_{22}N_2O_2)_n$



**ENERFREES**  
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## Window Wall

## S-EF1070

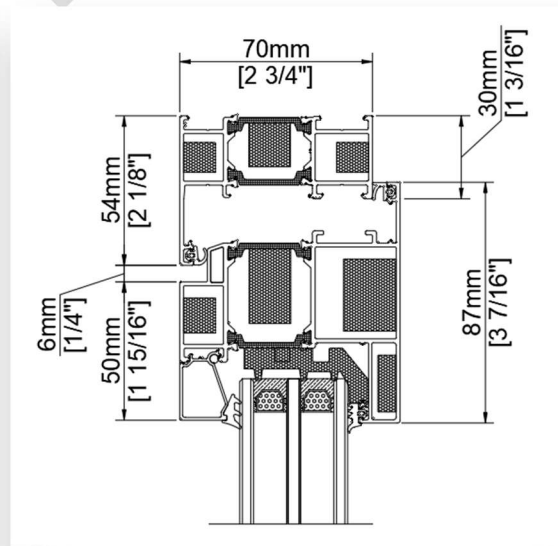
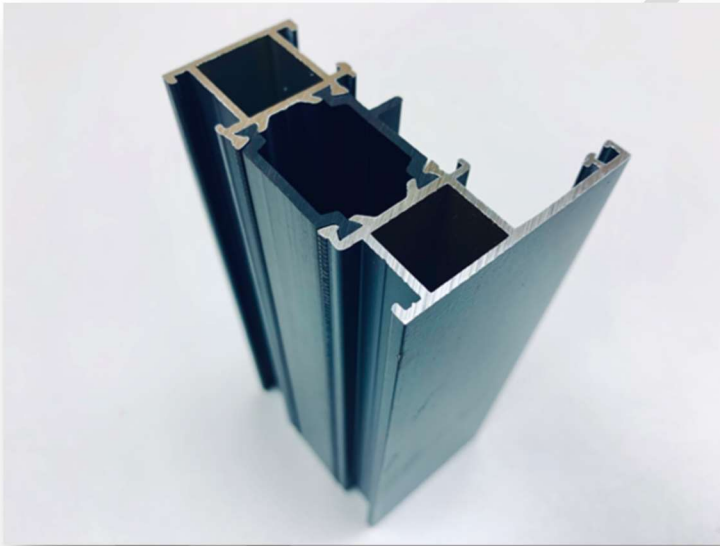
Density: 1.31 g/cm<sup>3</sup>  
Boiling point: 452.1 °C  
PubChem CID: 3032893

### 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:

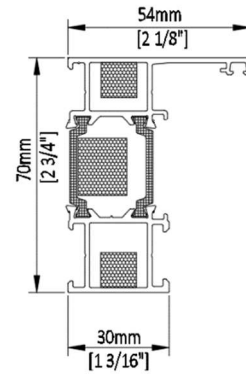
High Performance Thermally broken window system with frame depth of 70mm (2 ¾") frame section.



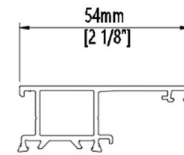


**PARTS AND ACCESSORIES (EF1070):**

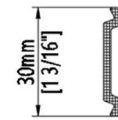
WPPFA0001 – PRIME FRAME ASSEMBLY (PFA)



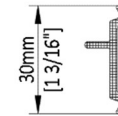
WPOPA0001 – OUTSIDE PRIME ALUMINUM (OPA)  
6063-T5



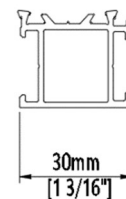
WPCTB0001 – C THERMAL BREAK (CTB)  
NYLON 66 (PA66)



WPYTB0001 – Y THERMAL BREAK (YTB)  
NYLON 66 (PA66)

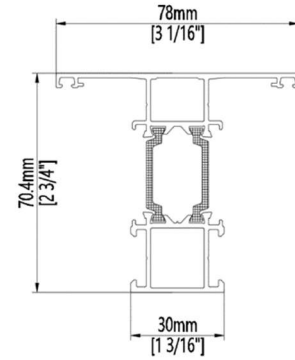


WPIPA0001 – INSIDE PRIME ALUMINUM (IPA)  
6063-T5

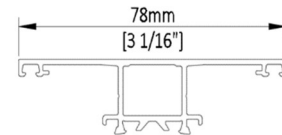




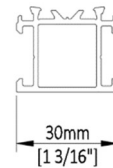
WPMFA0001 – MULLION FRAME ASSEMBLY (MFA)



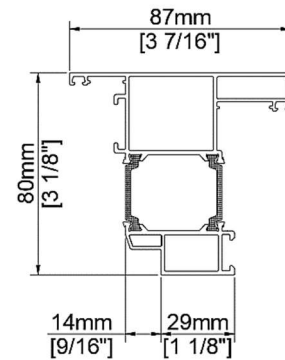
WPOMA0001 – OUTSIDE MULLION ALUMINUM (OMA)  
6063-T5



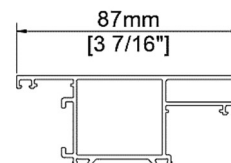
WPIMA0001 – INSIDE MULLION ALUMINUM (IMA)  
6063-T5



WPSFA0002 – SASH FRAME ASSEMBLY (SFA)

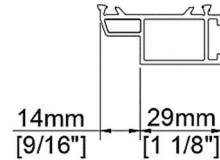


WPOSF0002 – OUTSIDE SASH FRAME (OSF)  
6063-T5

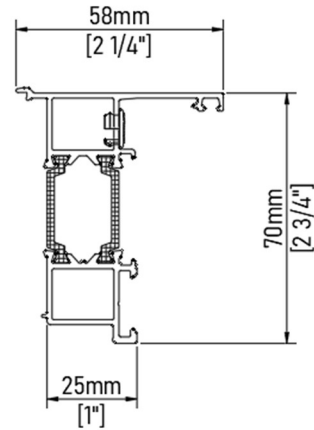




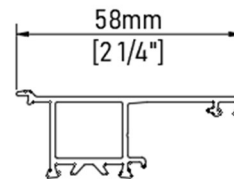
WPISF0002 – INSIDE SASH FRAME (ISF)  
6063-T5



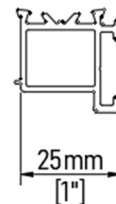
WPFA0003 – FLIP ASSEMBLY (FA)  
6063-T5



WPIFA0003 – INTERIOR FLIP ASSEMBLY (IFA)  
6063-T5

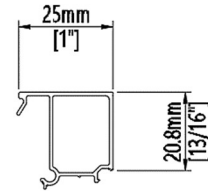


WPEFA0003 – EXTERIOR FLIP ASSEMBLY (EFA)  
6063-T5

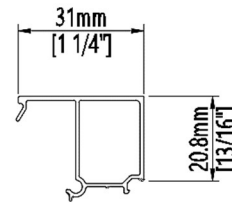




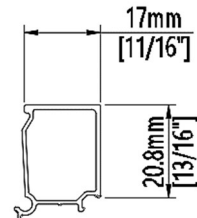
WPGSX0001 – GLASS STOP (GSX)  
6063-T5



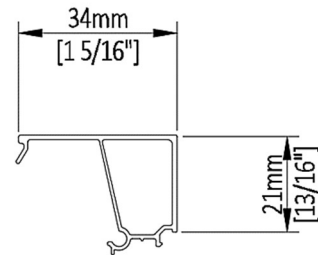
WPGSX0002 – GLASS STOP (GSX)  
6063-T5



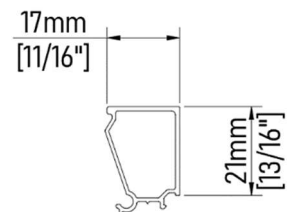
WPGSX0003 – GLASS STOP (GSX)  
6063-T5



WPGSX0004 – GLASS STOP (GSX)  
6063-T5



WPGSX0005 – GLASS STOP (GSX)  
6063-T5

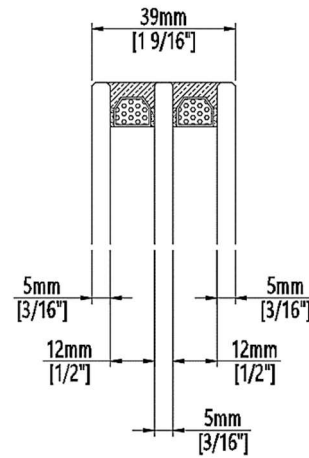




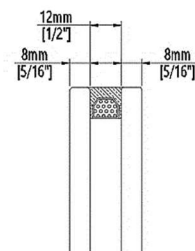
**GLAZING (INSULATED GLASS UNITS)**

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

GITPA0001 - TRIPLE PANE ASSEMBLE (TPA)

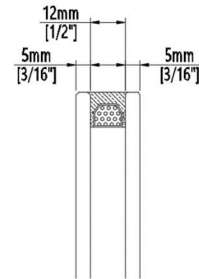


GIDPA0001 - DOUBLE PANE ASSEMBLE (DPA)



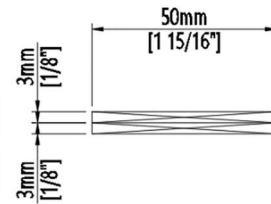


GIDPA0002 - DOUBLE PANE ASSEMBLY (DPA)



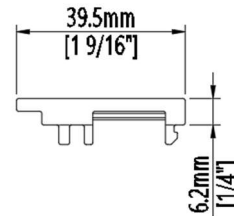
WAGSB0001 - GLASS SETTING BLOCK (GSB)

PVC



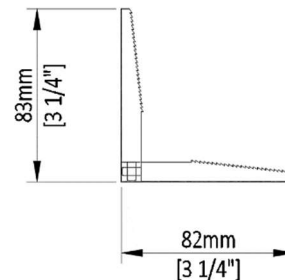
WAGSB0002 - GLASS SETTING BLOCK (GSB)

PVC



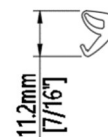
WAGSB0002 - GLASS CORNER SETTING BLOCK (CSB)

PVC



**SEALS**

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







WSIGX0001 - INTERIOR GASKET (IGX)  
EPDM RUBBER

WSEGX0002 - EXTERIOR GASKET (EGX)  
EPDM RUBBER

WSIGX0003 - INTERIOR GASKET (IGX)  
EPDM RUBBER

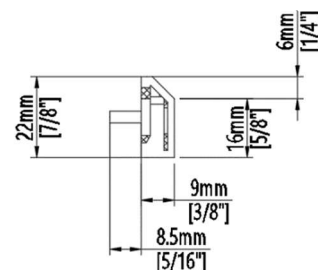
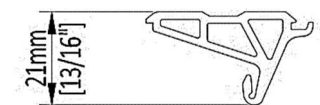
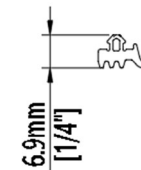
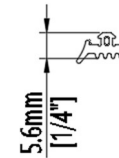
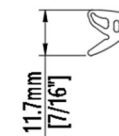
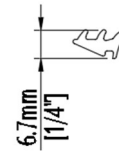
WSEGX0001 - EXTERIOR GASKET (EGX)  
EPDM RUBBER

WSEGX0002 - EXTERIOR GASKET (EGX)  
EPDM RUBBER

WSMFX0001 – MID-FRAME GASKET (MFG)  
EPDM RUBBER

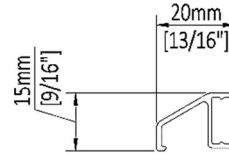
**OTHER COMPONENT/S**

WADXX0001 – EXTERIOR DRAIN COVER (DXX)  
PVC

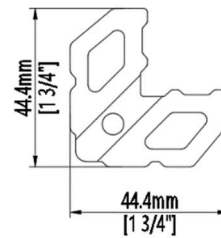




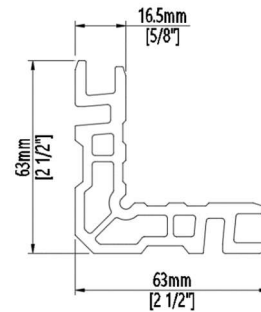
WAWBX0001 – WEATHER BAR (WBX)  
6063-T5



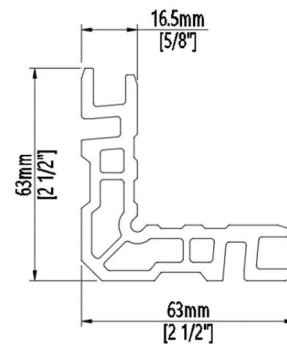
WPCX0001 – CORNER JOINT KEY (CJK)  
STAINLESS STEEL



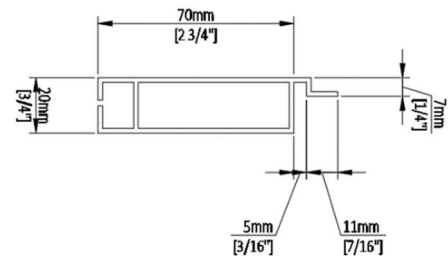
WPCJB0001 – CORNER JOINT BLOCK D-3/4" (CJB)  
6063-T5



WPCJB0002 – CORNER JOINT BLOCK D-1/2" (CJB)  
6063-T5



PFE6X0001 – PF EXTENDER (152:6)  
6063-T5



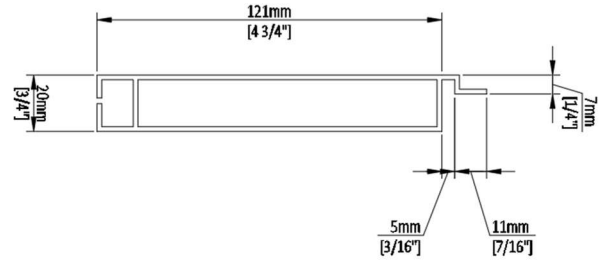


**ENERFREES**  
Window & Wall Systems

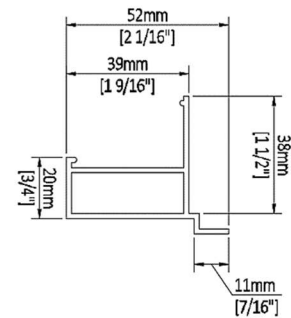
# Window Wall

# S-EF1070

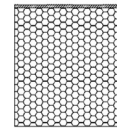
PFE8X0001 – PF EXTENDER (203:8)  
6063-T5



PFBMX0001 – PF BRICK MOULD  
6063-T5

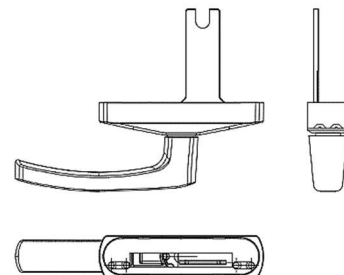


WFIFX0001 – INJECTED FOAM INSULATION (IFX)



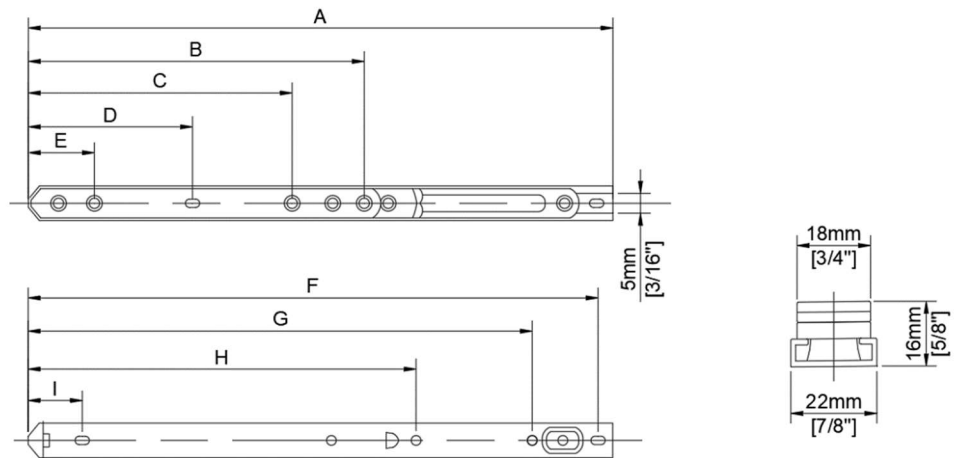
## HARDWARE

ONE-CLICK HANDLE  
E-HOC HANDLE





FRICION HINGE  
E-FHTB



EF1070 AWNING WINDOW

GENERAL SPECIFICATION

I. PACKAGE INCLUDES

Manufacturing includes labour, materials, and services for the complete fabrication and assembly of EAW1070 fixed window system. Fabrication to include all necessary accessories and



components, anchors, joint blocks, drain cover, seal rubbers, hardwares, 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

Enerfree's EF1070 Fixed Window 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 Enerfree's pricing. Enerfree's 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

Window 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's 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

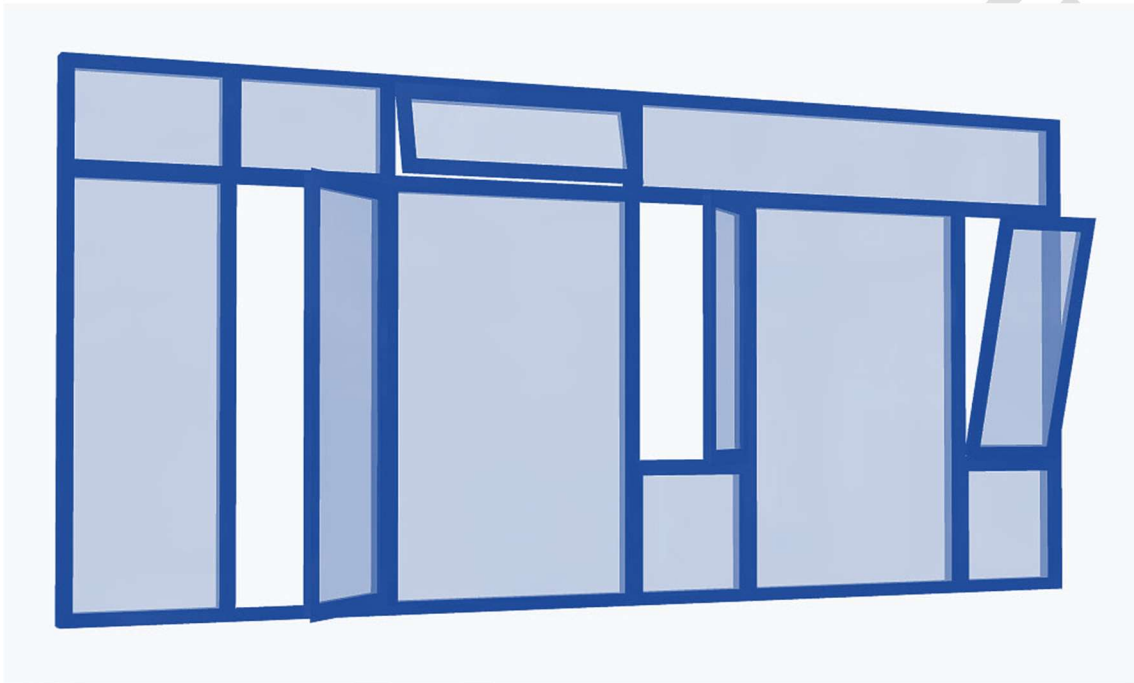


Exposed aluminum finished surface shall be protected from contamination of mortar, concrete, paint, mud, soil, grease, sealant or caulking compound, and any other harmful substance that can cause damage to surface finish from prolong adhesion.

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.

**AWNING INTEGRATION TO FIXED WINDOW**



Enerfrees EAW-1070 is unlimited to integrate different operations and functionality to fixed window with custom sizes within the minimum/maximum width and height limits as specified.