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700 DOUBLE/SINGLE SLIDER SYSTEM

TECHNICAL INFORMATION

PROFILE PRINT

NFRC Testing
DOUBLE/SINGLE SLIDER

3mm Cl - Argon - 3mm E272

U-Factor - 0.29
SHGC - 0.28
VT - 0.48
Con. Res. - 0.57

3mm Cl - Argon - 3mm E366

U-Factor - 0.28
SHGC - 0.19
VT - 0.43
Con. Res. - 57

3mm E272 - Argon - 3mm Cl - Argon - 3mm 272

U-Factor - 0.21
SHGC - 0.24
VT - 0.42
Con. Res. - 69

3mm E366 - Argon - 3mm Cl - Argon - 3mm Cl

U-Factor - 0.26
SHGC - 0.18
VT - 0.39
Con. Res. - 65

6mm - Argon - 6mm

STC - 34
OITC - 29

ALL STATES
WINDOWS

Performance

— Thermal Insulation - U-factor down up to 0.21
— SHGC - up to 0.18
— Acoustic Insulation - STC - 0.34, OITC - 0.29
— Primary Product Designator - Class R-PG60 1118 x 1600 (44 x 63)-H
— Design Pressure - +2880 Pa (+60.15 psf)
— Air Infiltration - 0.6 L/s/m2 (0.12 cfm/ft2)
— Canadian Air Filtration / Exfiltration Level - A2
— Water Penetration Resistance Test Pressure - 510 Pa (10.65 psf)

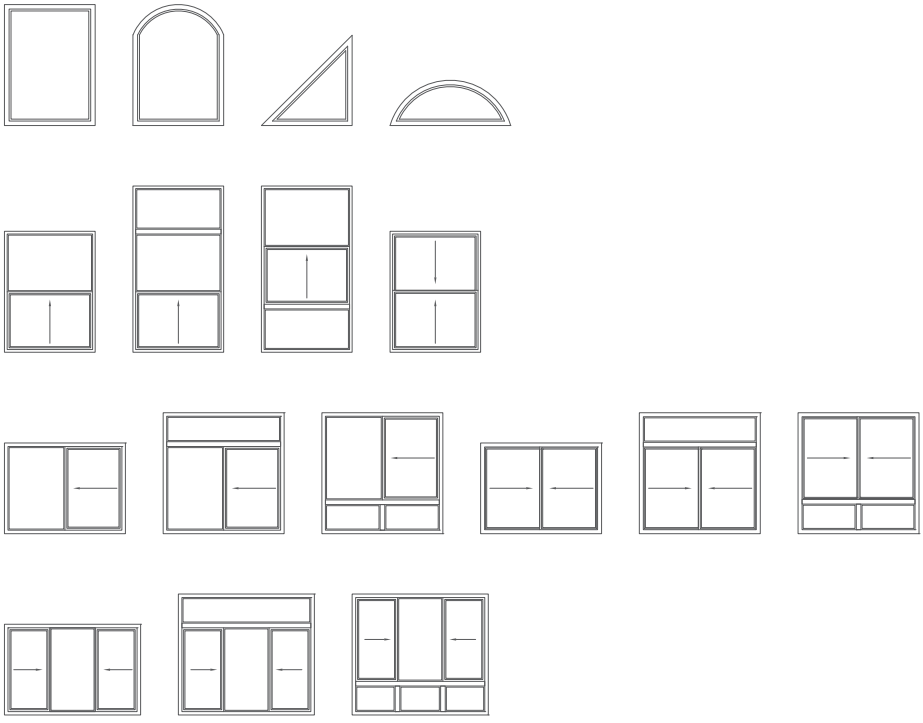
700 WINDOW SYSTEM

SYSTEM DESCRIPTION

Description, Technical Data

Window Types	Fixed, Single-Hung, Single-Slider, Double-Hung, Double-Slider
Material	Ca/Zn and lead-free RAU-PVC
Sealing System	Weatherpile, roil-in glazing spline, flexible co-extrusions
System Depth	3 1/4 in (82.5 mm)
Maximum Glass Thickness	1 in (25.4 mm)
Glazing System	Tape-Glazed
Sightlines Frame / Sash	2.2 in to 3.4 in (56 mm to 86 mm)
U-values	Down to 0.14 (Btu/hr-ft²°F);
Structural Tests	Fixed: up to design pressures of 70 psf;
	Single-Hung: up to design pressures of 70 psf;
	Single-Slider: up to design pressures of 55 psf;
	Double-Hung: up to design pressures of 70 psf;
	Double-Slider: up to design pressures of 60 psf;
Sound Reduction	Up to STC 39

Examples of Opening Types



700 DOUBLE/SINGLE SLIDER

SYSTEM DESCRIPTION

Features and Benefits for Fixed Windows

7/8 in (22 mm) and 1 in (25 mm) insulated glass

Provides excellent acoustical and energy performance properties to meet current standards

Main profiles engineered with multiple chambers

Increase strength, enhance energy performance and allow efficient water drainage

3 1/4 in (82.5 mm) frame depth with internal / external accessory grooves

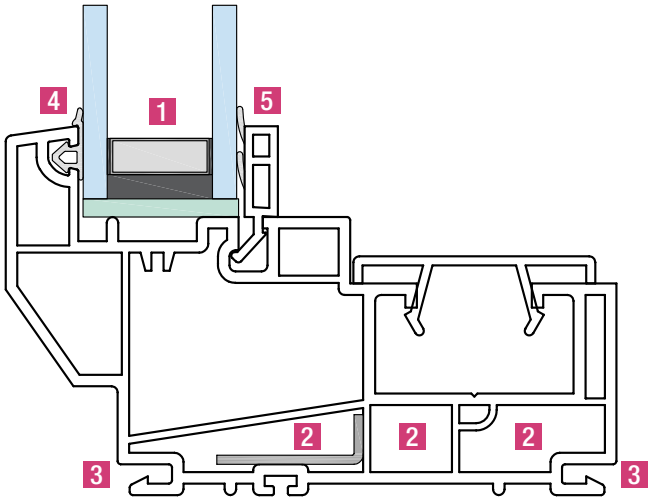
Suits a wide range of installation applications by using supplementary profiles for trims, mulling options and unique wall construction

Dry glazing

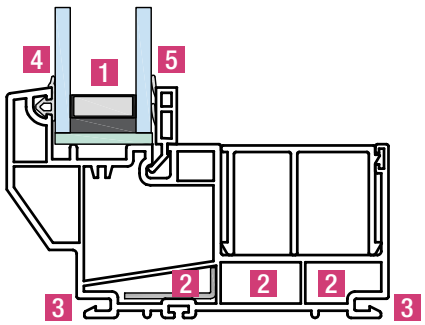
Reduces costs and eases glass replacement by not requiring tapes or sealants

Internally glazed fixed lite

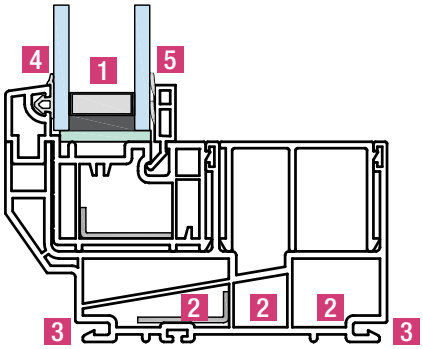
Enables easy glass replacement from inside the structure



Single-Hung Frame



Single-Slider Frame



Double-Slider Frame

700 WINDOW SERIES
SYSTEM DESCRIPTION

Features and Benefits for Single-Slider Windows

1 Large-scale capacity for steel reinforcements
Meet structural performance requirements for most applications

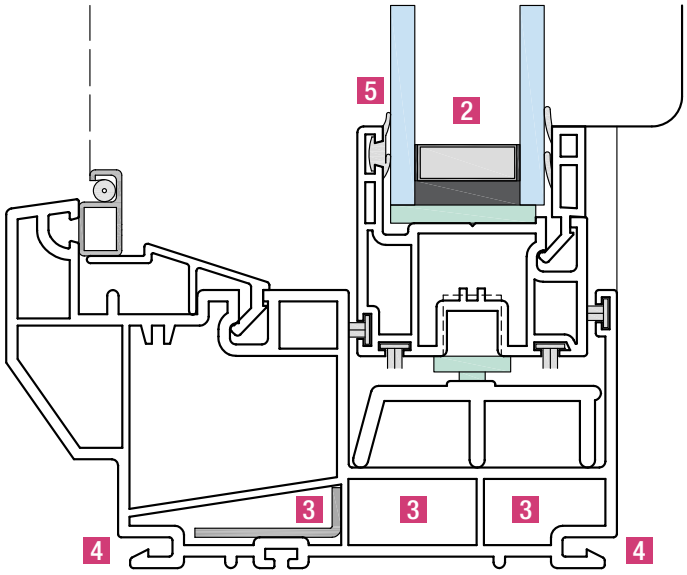
2 7/8 in (22 mm) and 1 in (25 mm) insulated glass
Provides excellent acoustical and energy performance properties to meet current standards

3 Main profiles engineered with multiple chambers
Increase strength, enhance energy performance and allow efficient water drainage

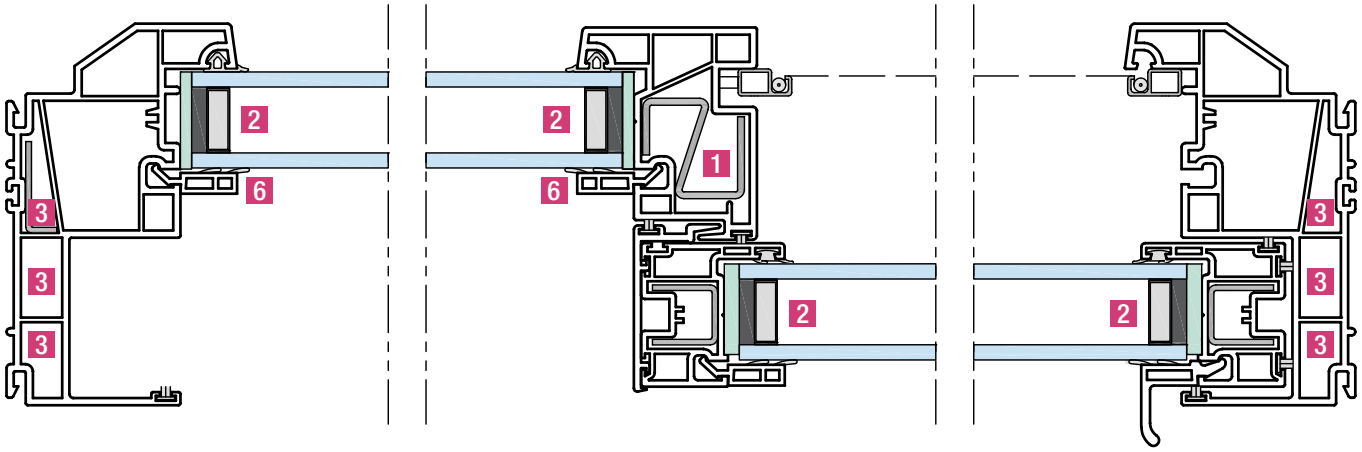
4 3 1/4 in (82.5 mm) frame depth with internal / external accessory grooves
Suits a wide range of installation applications by using supplementary profiles for trims, mulling options and unique wall construction

5 Dry glazing
Reduces costs and eases glass replacement by not requiring tapes or sealants

6 Internally glazed fixed lite on single-slider windows
Enables easy glass replacement from inside the structure



Single-Slider Frame



SYSTEM DESCRIPTION

Features and Benefits for Double-Slider Windows

1 Large-scale capacity for steel reinforcements
Meet structural performance requirements for most applications

2 7/8 in (22 mm) and 1 in (25 mm) insulated glass
Provides excellent acoustical and energy performance properties to meet current standards

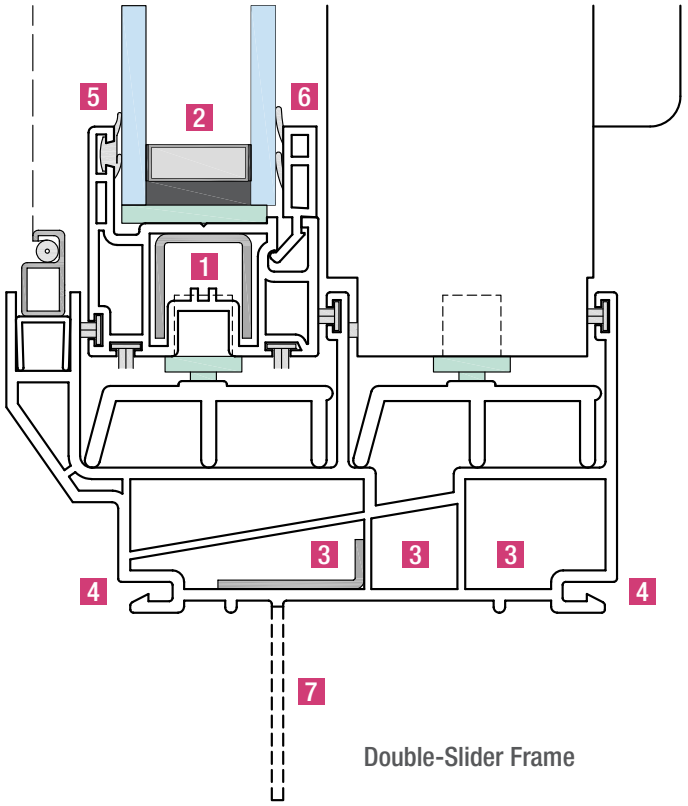
3 Main profiles engineered with multiple chambers
Increase strength, enhance energy performance and allow efficient water drainage

4 3 1/4 in (83 mm) frame depth with internal / external accessory grooves
Suits a wide range of installation applications by using supplementary profiles for trims, mulling options and unique wall construction

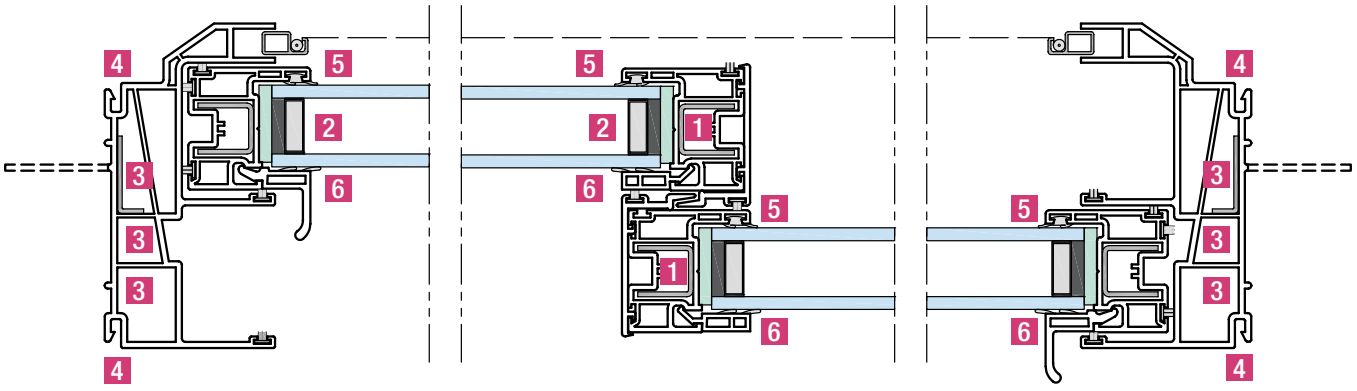
5 Dry glazing
Reduces costs and eases glass replacement by not requiring tapes or sealants

6 Internally glazed on double-slider windows
Enables easy glass replacement from inside the structure

7 Integral nailing fin option
Enables easy installation in new construction



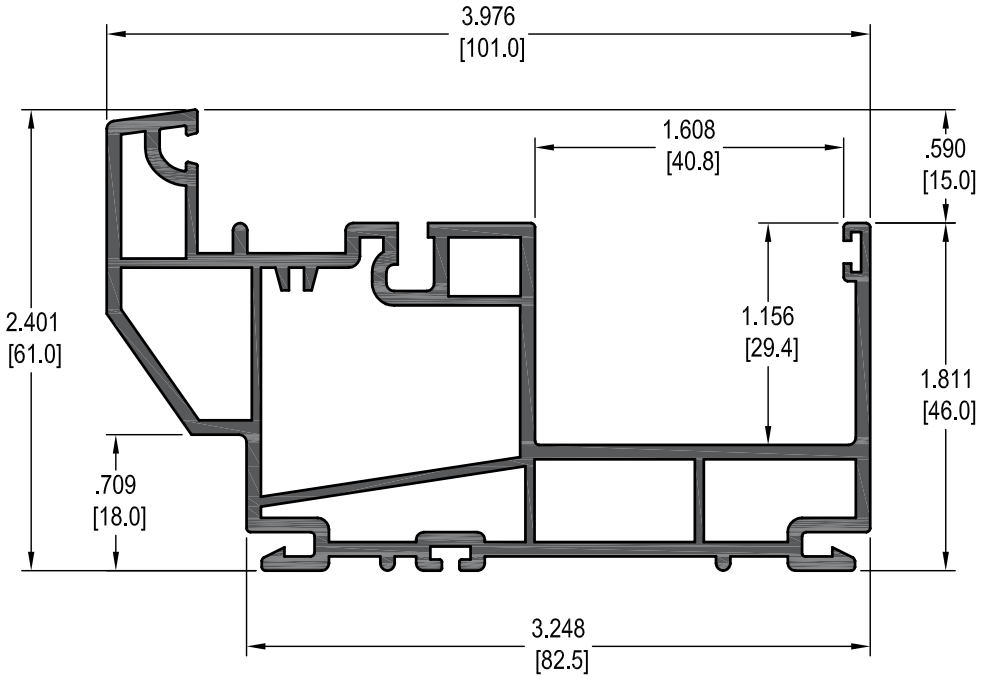
Double-Slider Frame



700 DOUBLE/SINGLE SLIDER

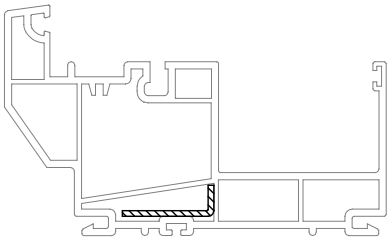
PROFILE PRINT

Frames



Single-Slider Frame

	WHT	BG	CLAY
	RACK	---	---
	---	---	---
	PACK	PACK	PACK*



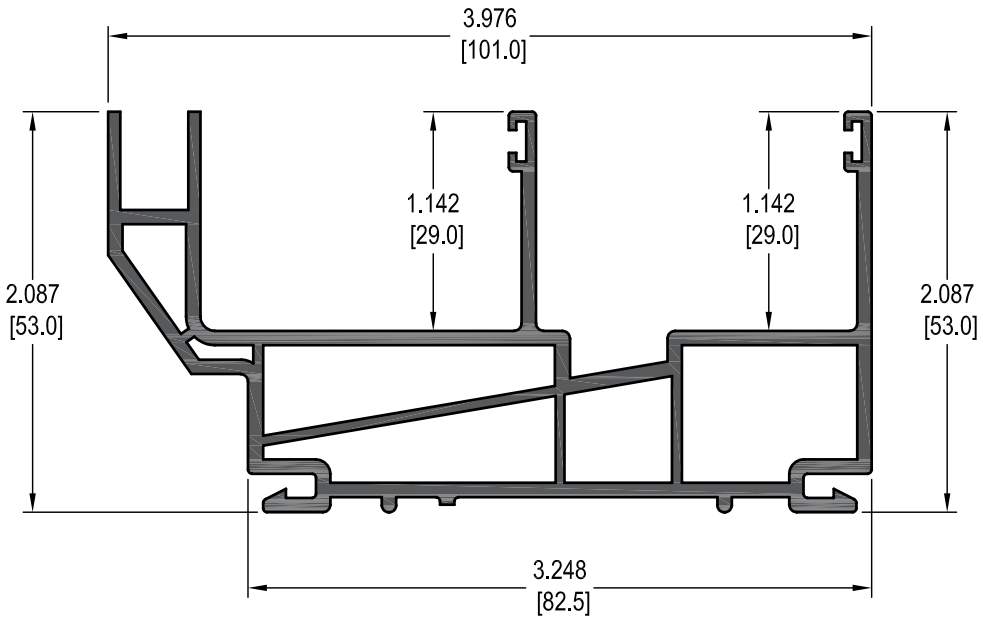
24.2 mm x 8.2 mm

	0.059 in (1.5 mm)
Ix	0.0067 in^4 (0.28 cm^4)
Iy	0.0002 in^4 (0.01 cm^4)
	PACK

700 DOUBLE/SINGLE SLIDER

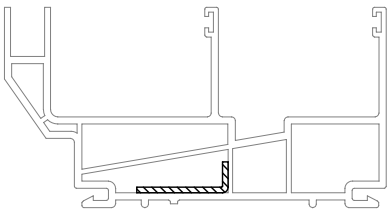
PROFILE PRINT

Frames



Double-Slider Frame

	WHT	BG	CLAY
RACK	---	---	
MOD*	---	---	
PACK	PACK	PACK*	



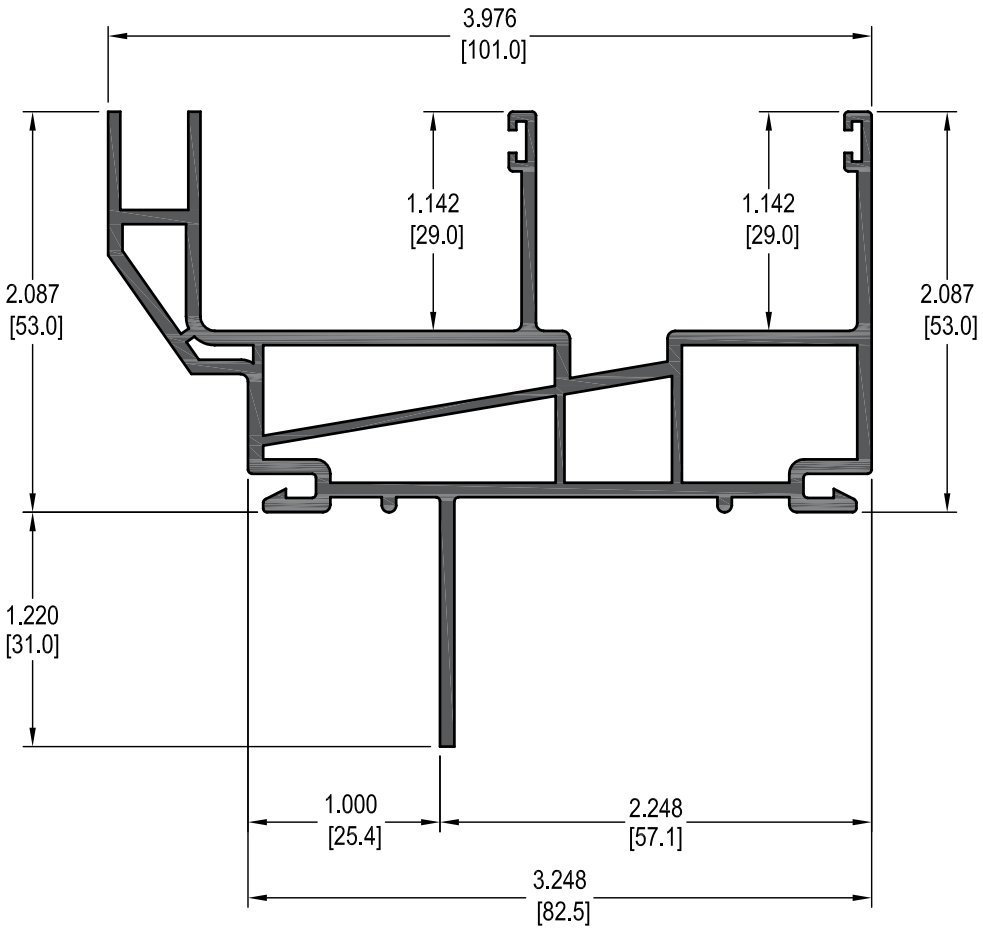
24.2 mm x 8.2 mm

	0.059 in (1.5 mm)
Ix	0.0067 in^4 (0.28 cm^4)
Iy	0.0002 in^4 (0.01 cm^4)
	PACK

700 DOUBLE/SINGLE SLIDER

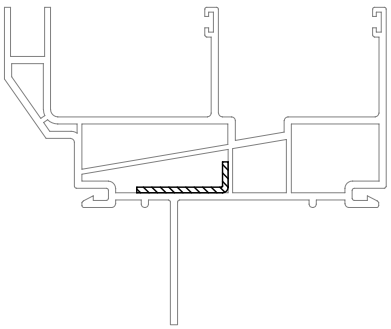
PROFILE PRINT

Frames



Double-Slider Frame
(w/ Nail Fin)

	WHT	BG	CLAY
RACK	---	---	
MOD*	---	---	
PACK	PACK	PACK*	



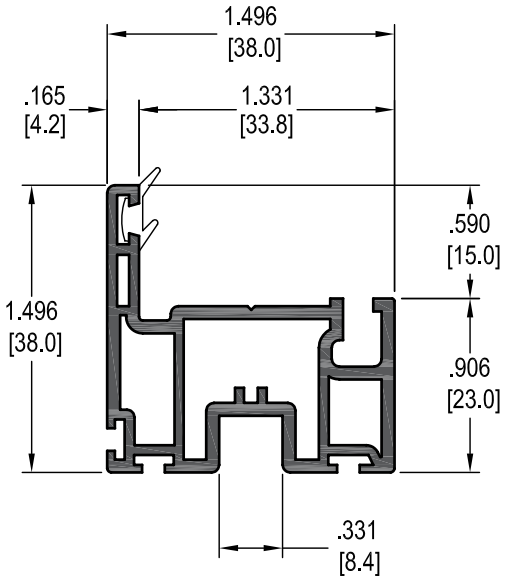
24.2 mm x 8.2 mm

	0.059 in (1.5 mm)
Ix	0.0067 in^4 (0.28 cm^4)
Iy	0.0002 in^4 (0.01 cm^4)
	PACK

700 DOUBLE/SINGLE SLIDER

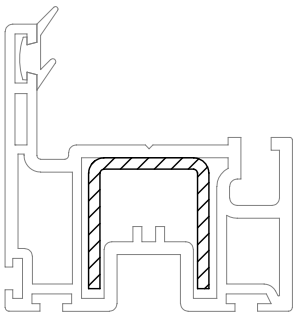
PROFILE PRINT

Sashes



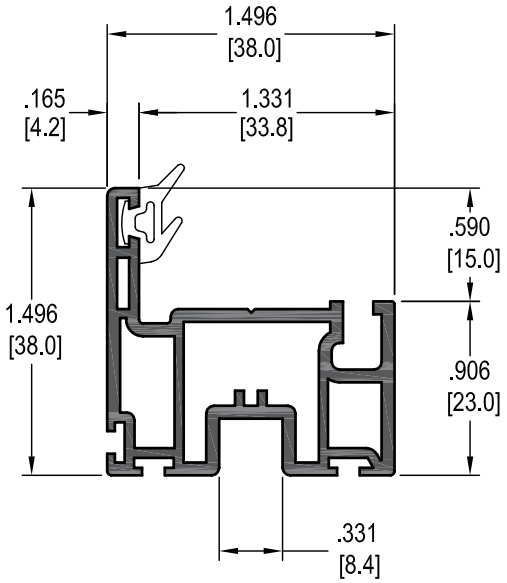
Sash for 1 in Glazing

	WHT	BG	CLAY
RACK	---	---	
---	---	---	
PACK	PACK	PACK*	



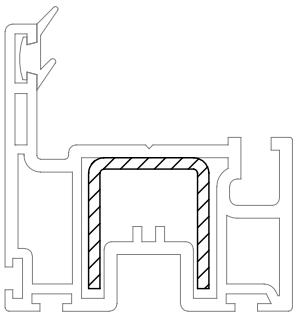
15.9 mm x 17.3 mm

	0.059 in (1.5 mm)
Ix	0.0070 in^4 (0.29 cm^4)
Iy	0.0050 in^4 (0.21 cm^4)
	PACK



Sash for 7/8 in Glazing

	WHT	BG	CLAY
RACK	---	---	
---	---	---	
PACK	PACK	PACK*	



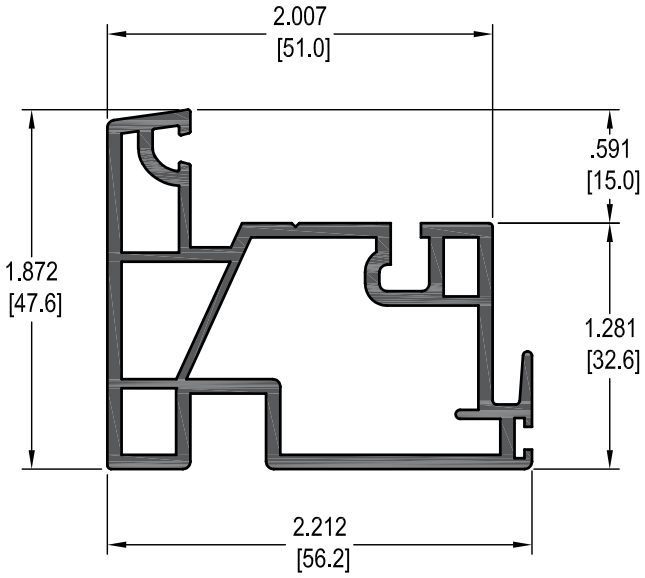
15.9 mm x 17.3 mm

	0.059 in (1.5 mm)
Ix	0.0070 in^4 (0.29 cm^4)
Iy	0.0050 in^4 (0.21 cm^4)
	PACK

700 DOUBLE/SINGLE SLIDER

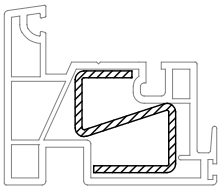
PROFILE PRINT

Transom and Bracket



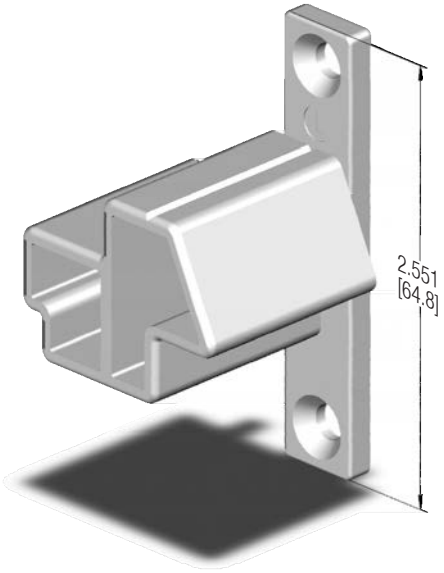
SH / SS Transom

	WHT	BG	CLAY
	---	---	---
	---	---	---
	PACK	PACK	PACK*



26.6 mm x 26.9 mm

	0.071 in (1.8 mm)
Ix	0.0430 in^4 (1.79 cm^4)
Iy	0.0190 in^4 (0.79 cm^4)
	PACK

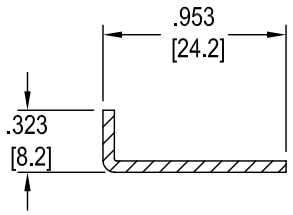
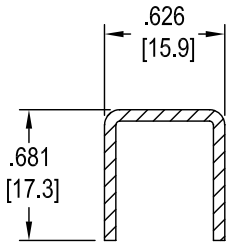
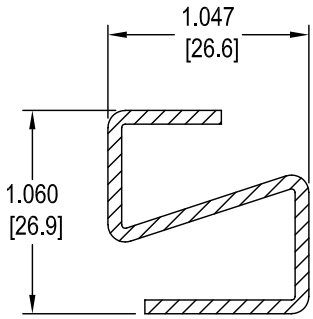
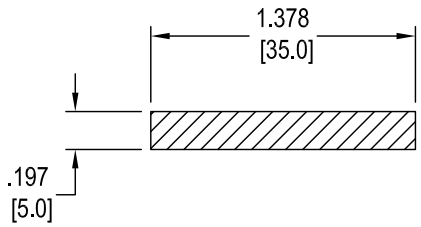
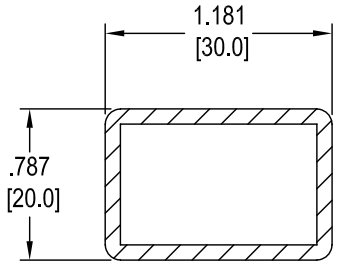


SH / SS Transom
Attachment Bracket Set (LH/RH)

WHT	BG	CLAY
---	---	---
---	---	---
PACK	PACK	PACK*

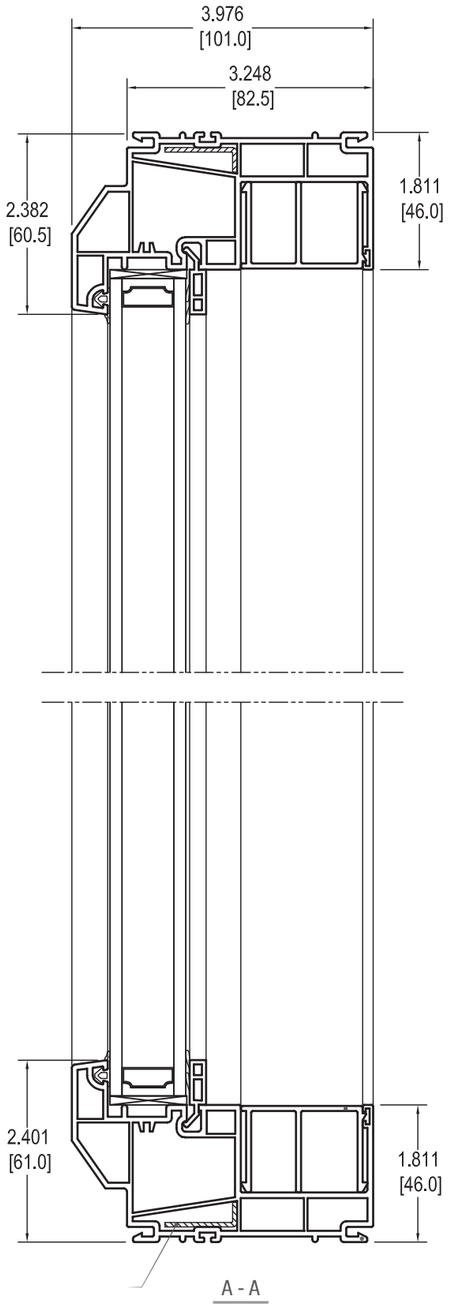
700 DOUBLE/SINGLE SLIDER

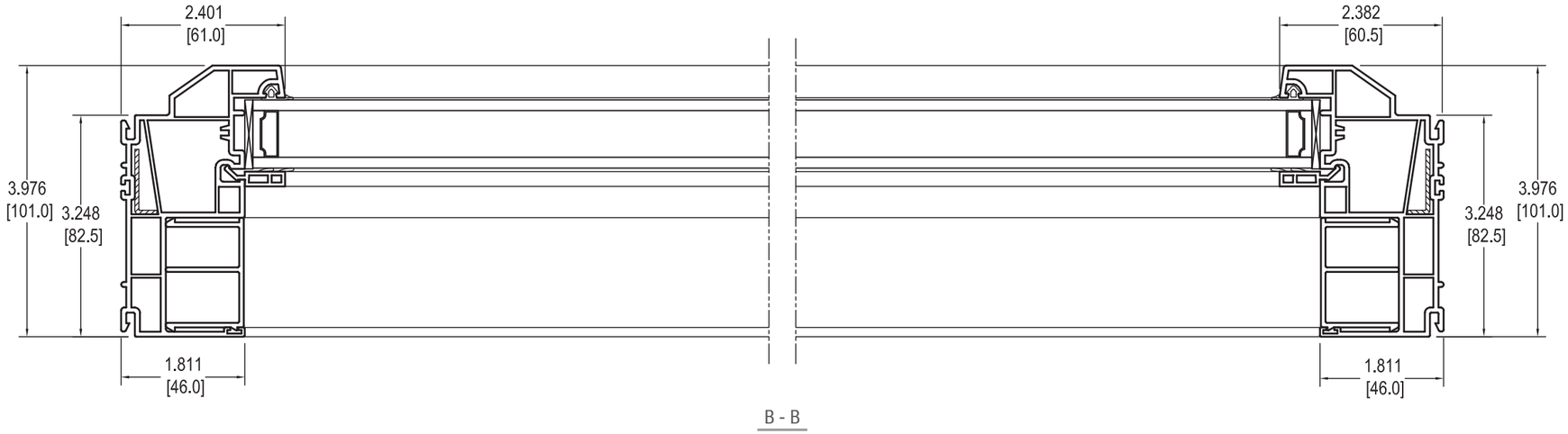
PROFILE PRINT

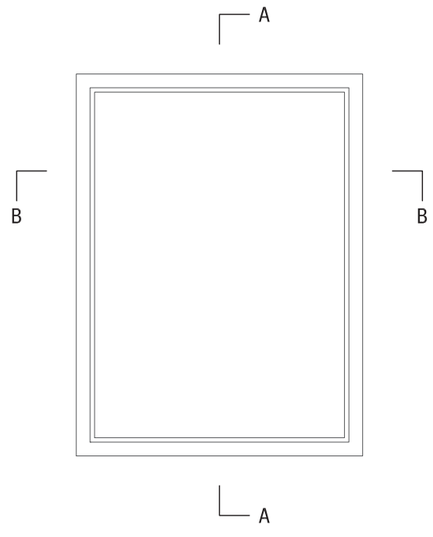
Reinforcements Reinforcement Diagram		Weight kg / m	⟷ in (mm)	Ix Ix in^4 (Ix cm^4)	Iy Iy in^4 (Iy cm^4)
		0.36	0.059 (1.5)	0.0067 (0.28)	0.0002 (0.01)
		0.55	0.059 (1.5)	0.0070 (0.29)	0.0050 (0.21)
		1.30	0.071 (1.8)	0.0430 (1.79)	0.0190 (0.79)
		1.37	0.197 (5.0)	0.0430 (1.79)	0.0010 (0.04)
		1.40	0.079 (2.0)	0.0500 (2.08)	0.0260 (1.08)

SYSTEM DRAWINGS

Fixed Windows - Single-Slider Frame



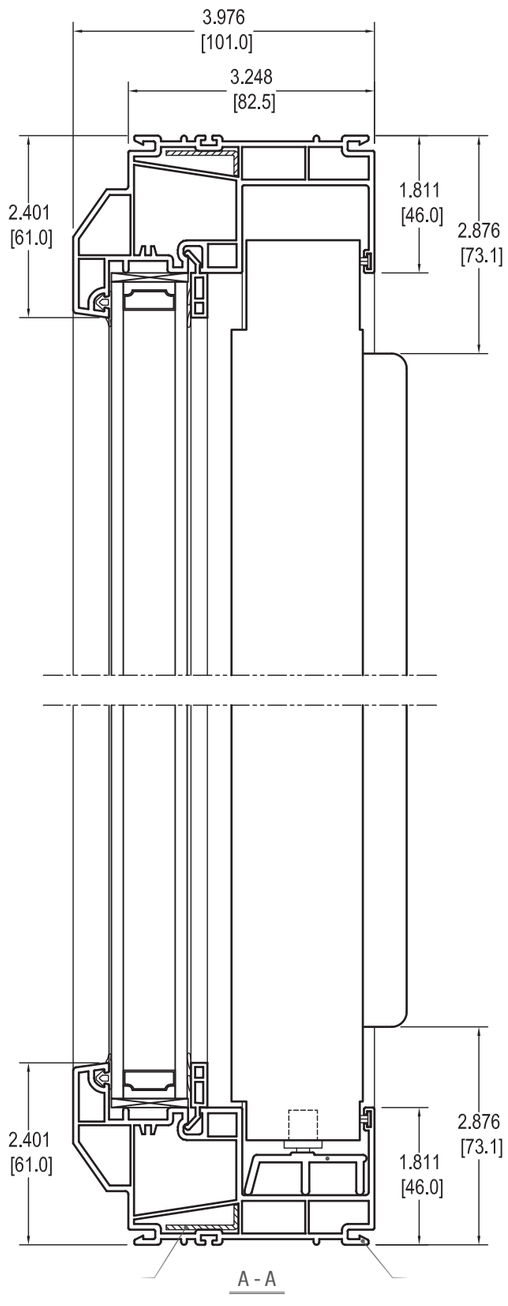


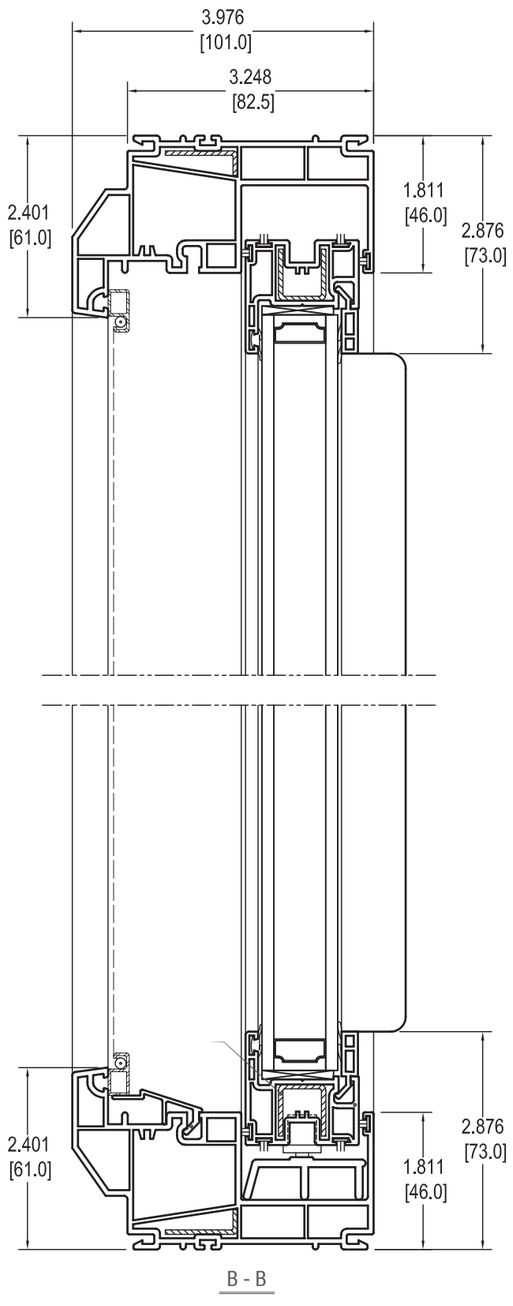


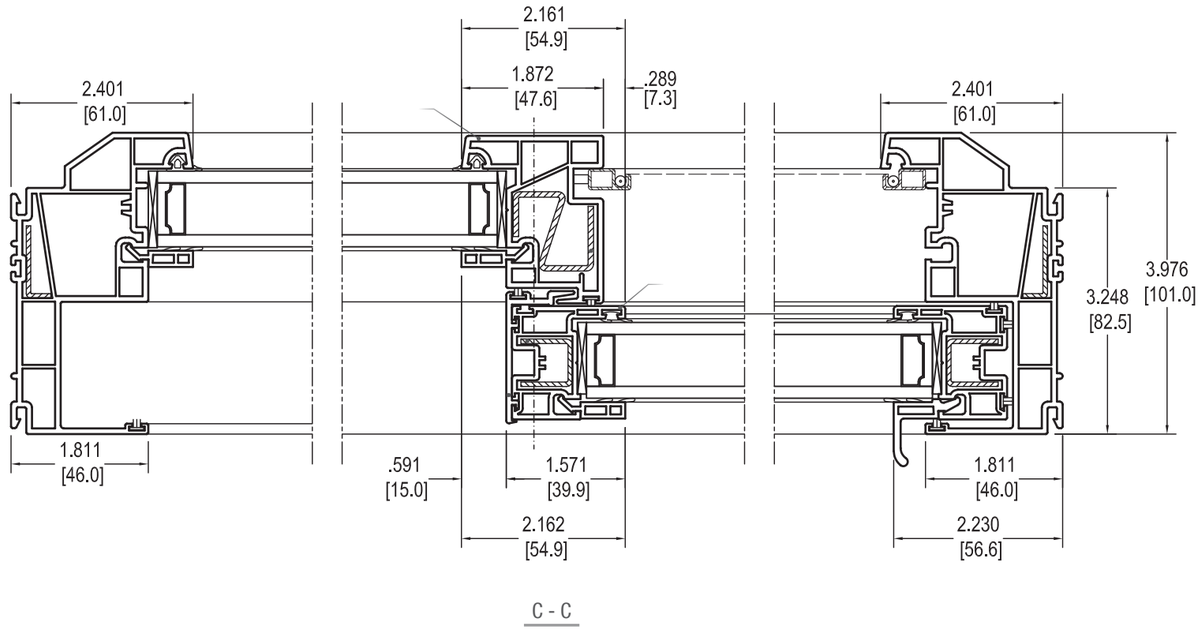
700 DOUBLE/SINGLE SLIDER

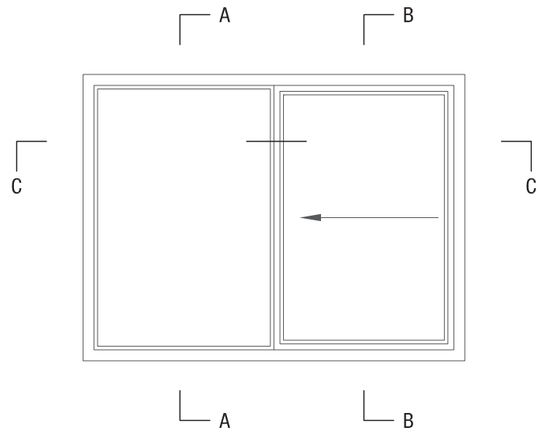
SYSTEM DRAWINGS

Single-Slider Windows - Single-Slider Frame





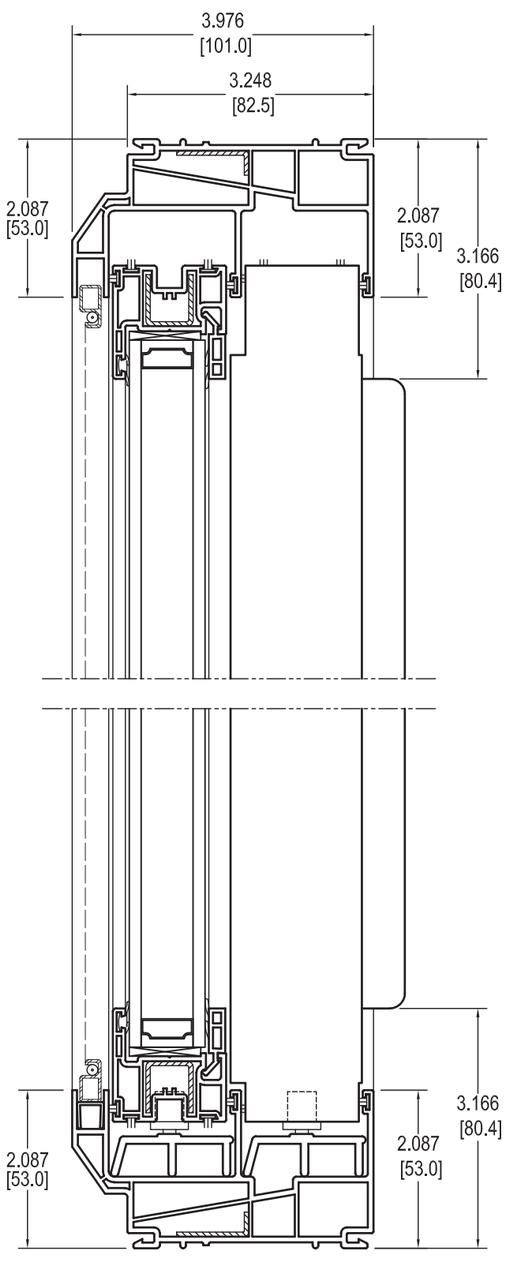


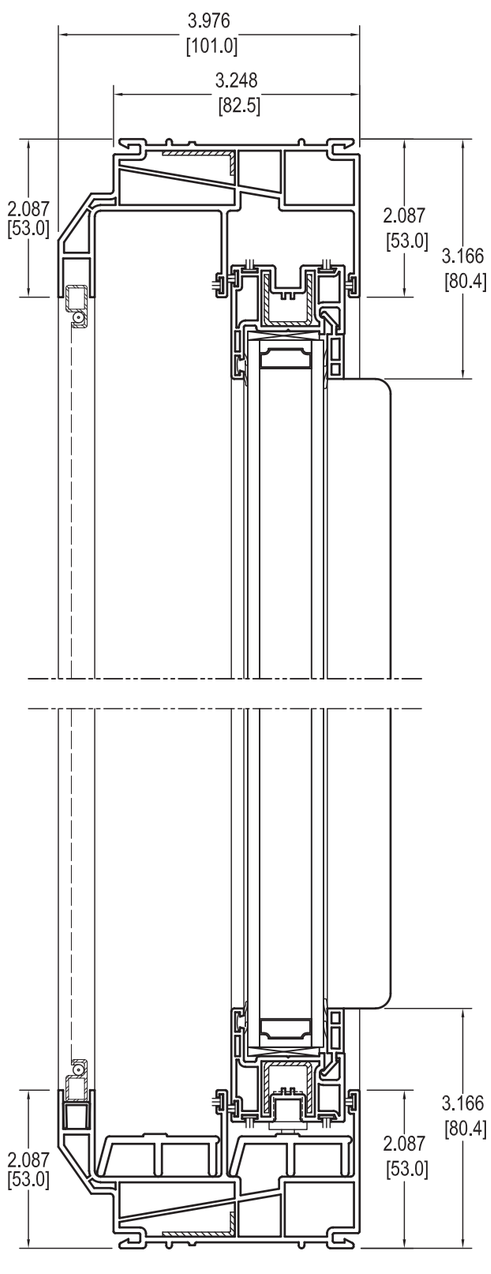


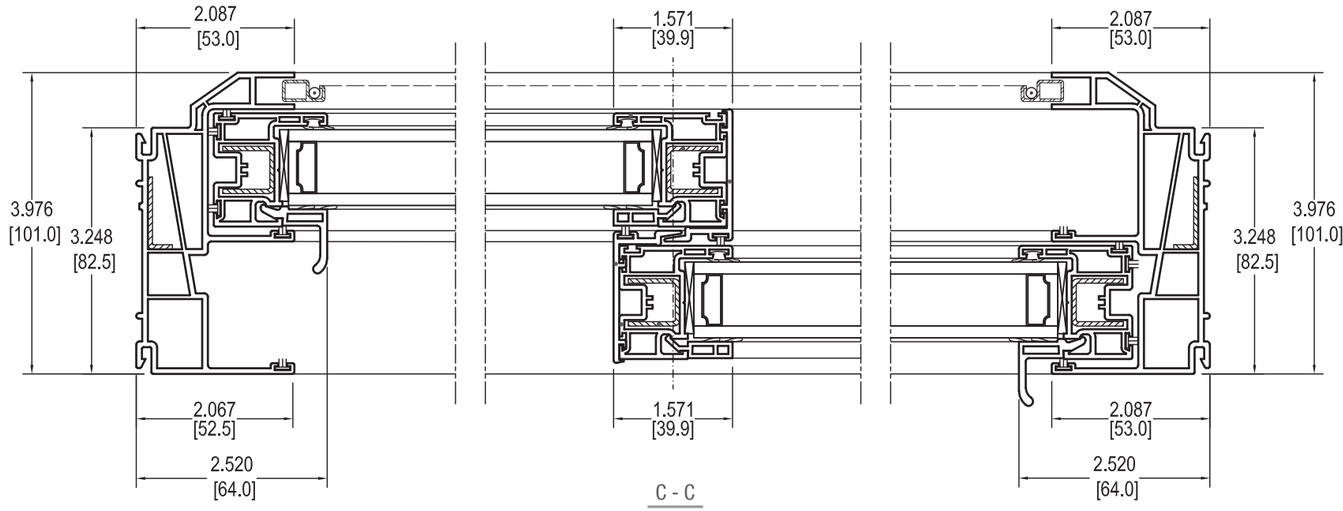
700 DOUBLE/SINGLE SLIDER

SYSTEM DRAWINGS

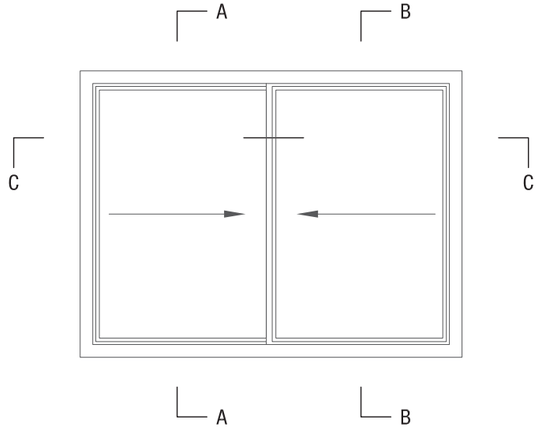
Double-Slider Windows - Double-Slider Frame





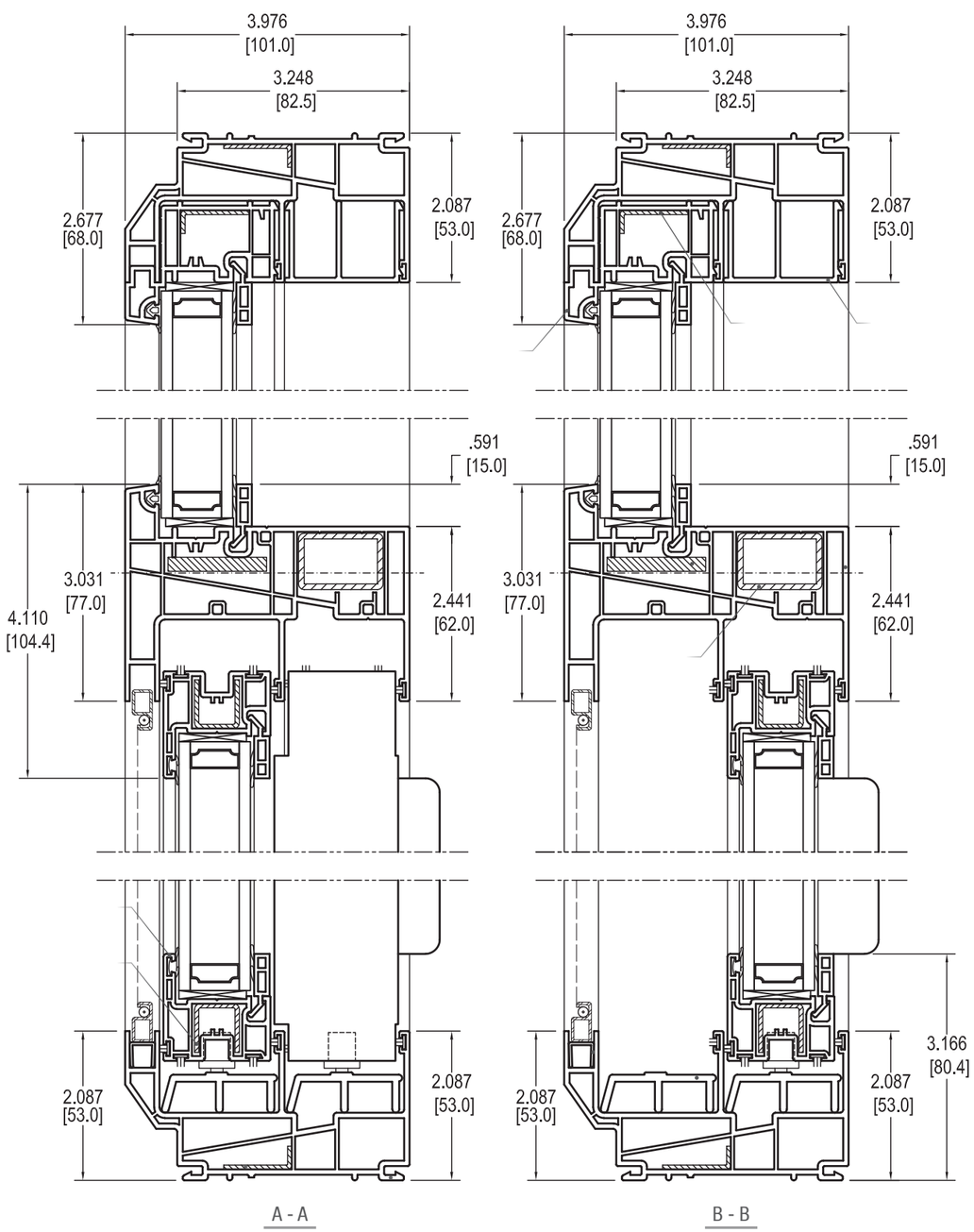


C - C



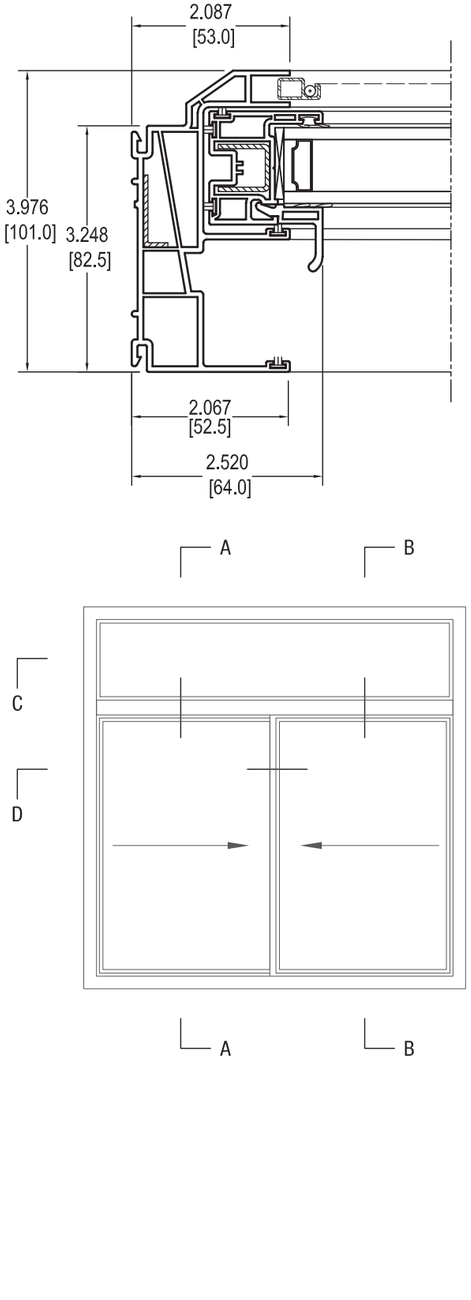
SYSTEM DRAWINGS

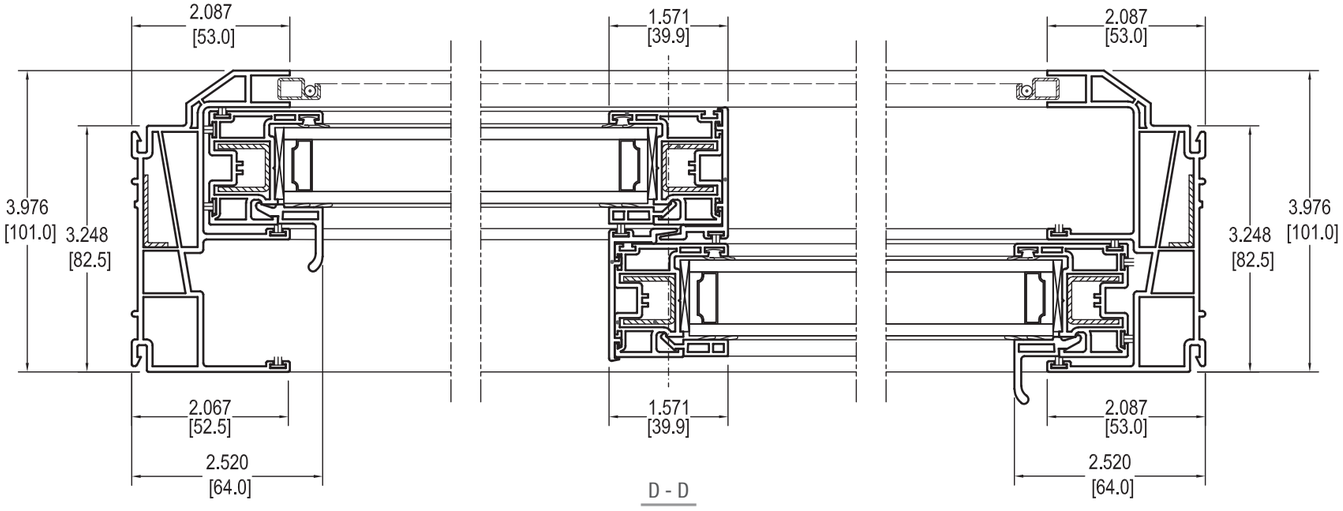
Fixed over Double-Slider Windows - Double-Slider Frame / Pocket T-Mullion



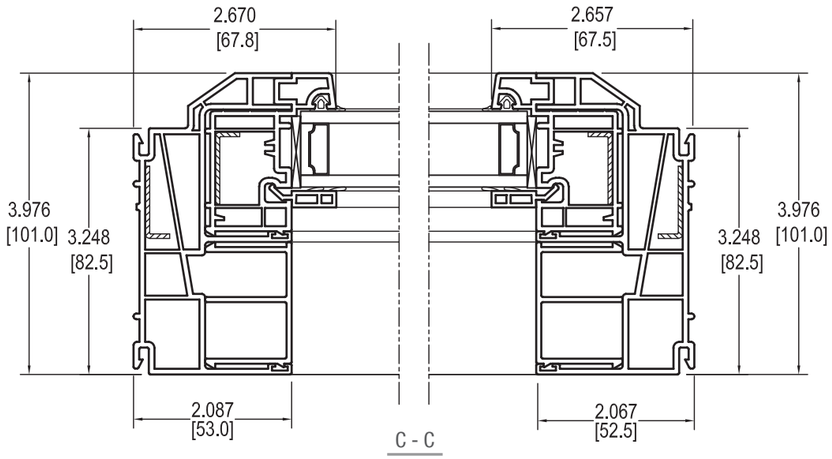
A - A

B - B





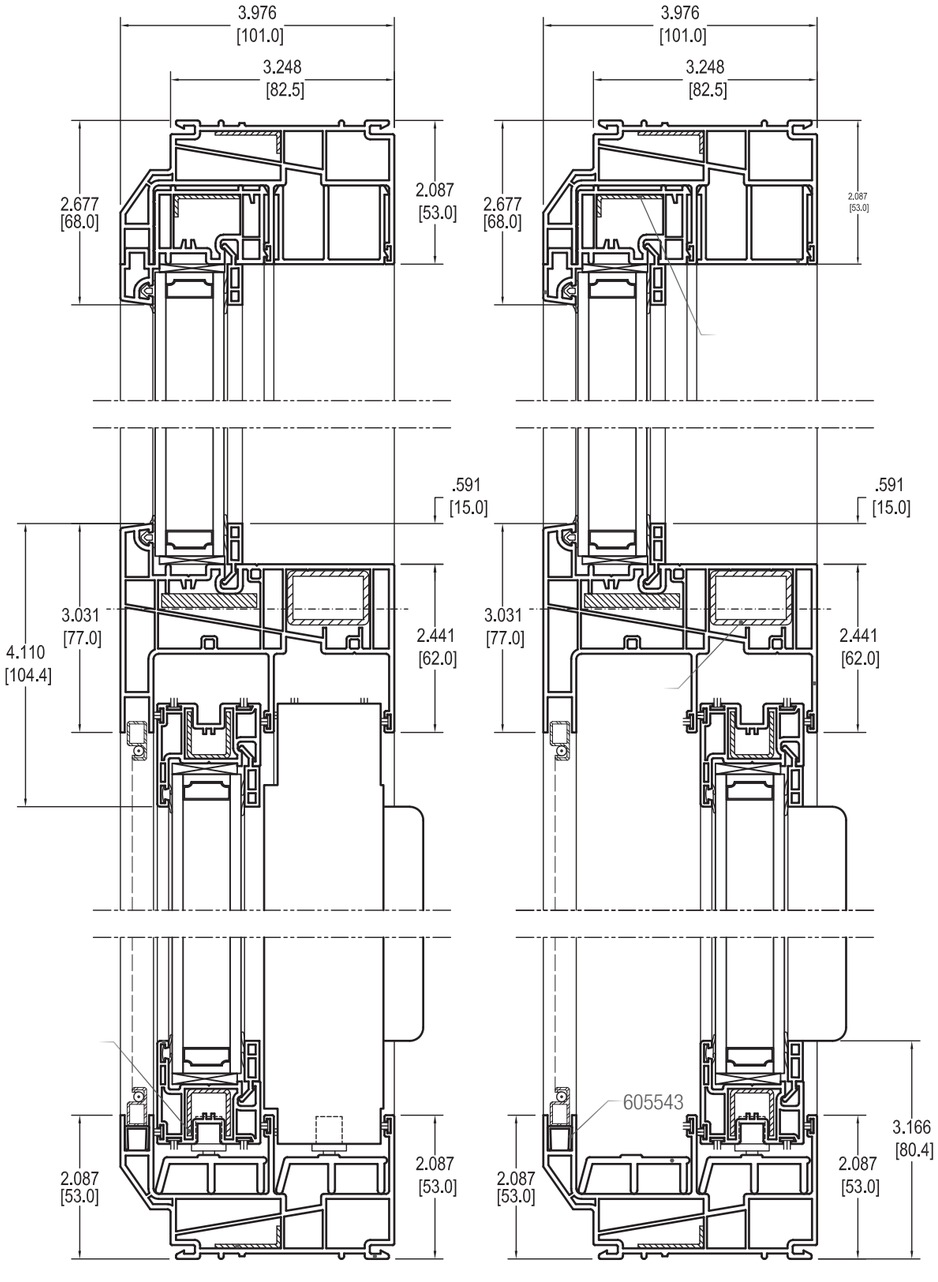
D - D



C - C

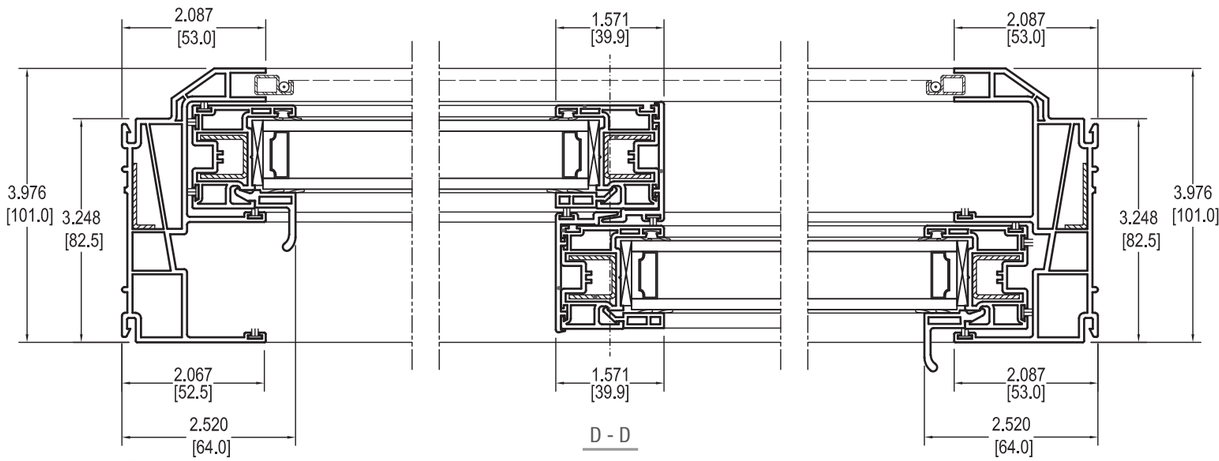
SYSTEM DRAWINGS

Double-Slider over Fixed Windows - Double-Slider Frame / Pocket T-Mullion

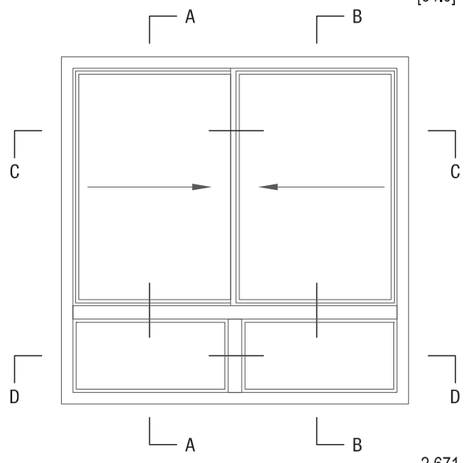


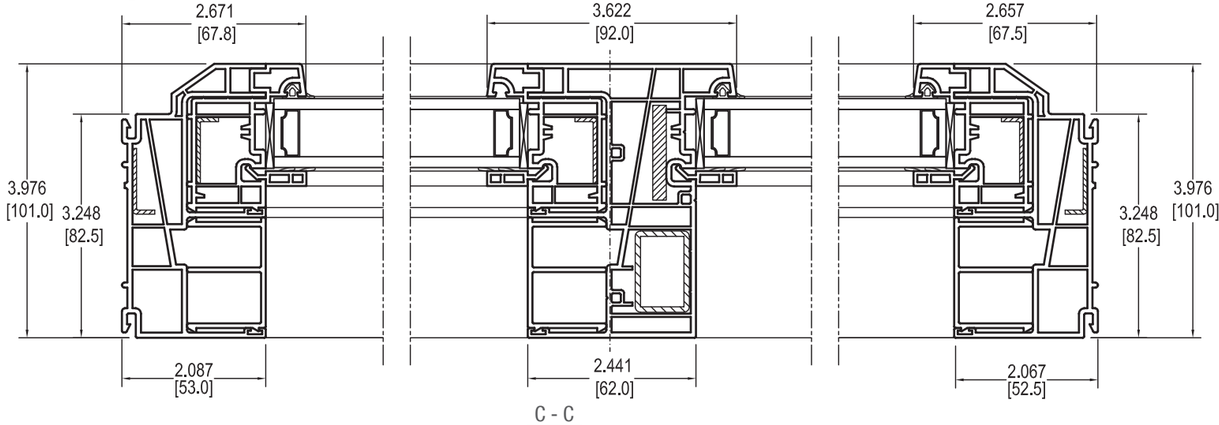
A - A

B - B



D - D

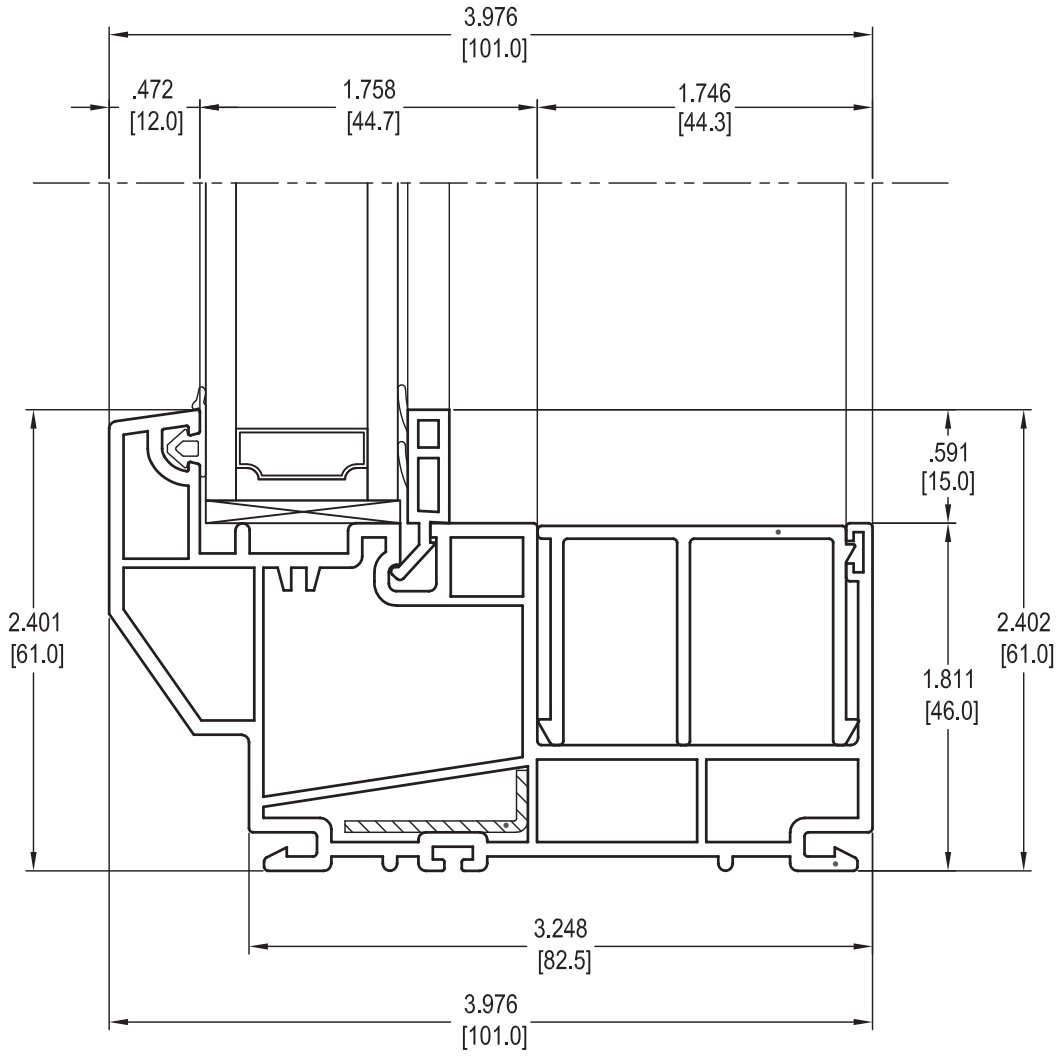




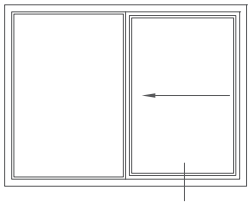
C - C

DETAIL DRAWINGS

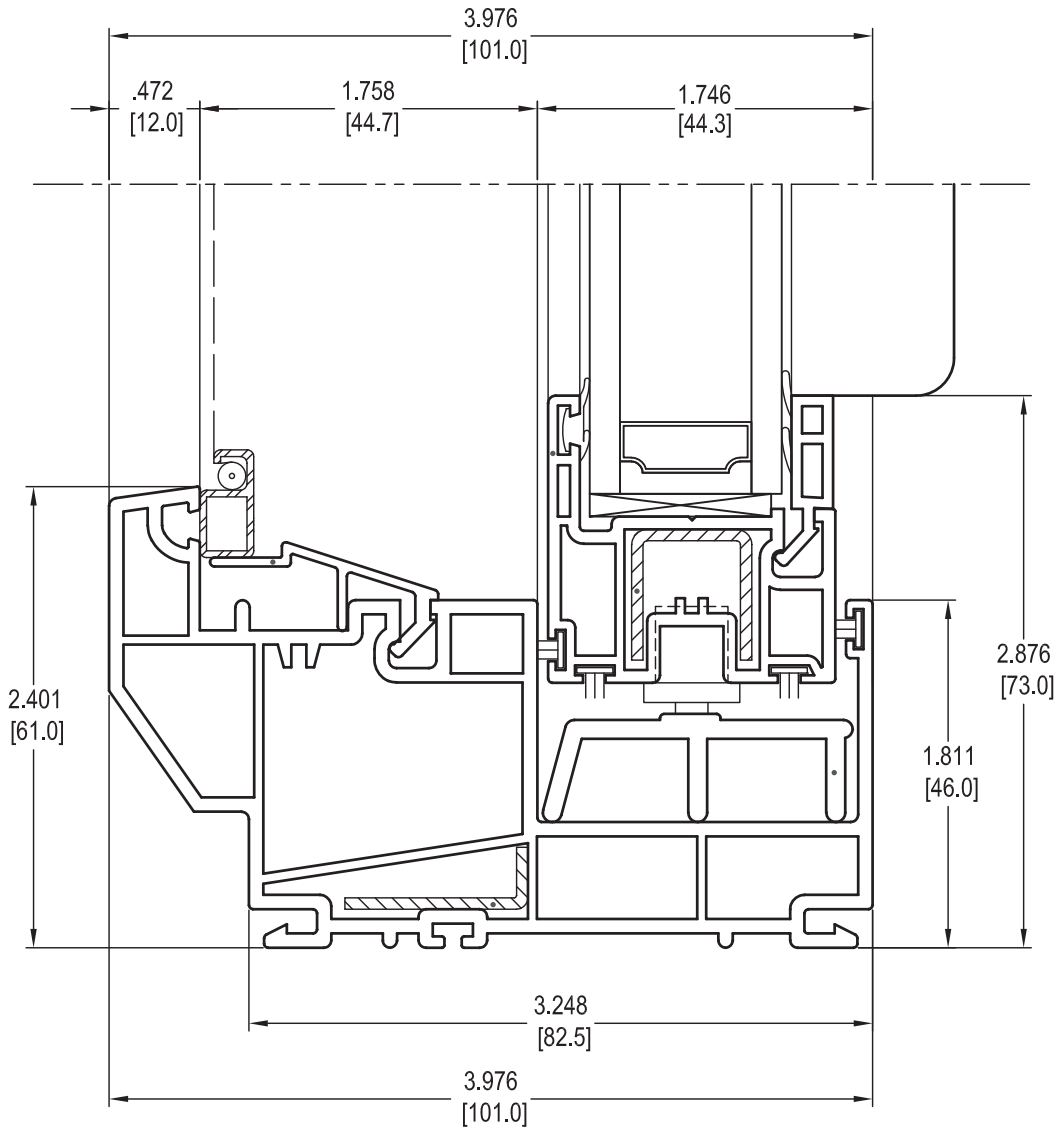
Fixed Windows - Sill Detail



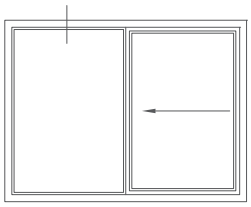
DETAIL DRAWINGS



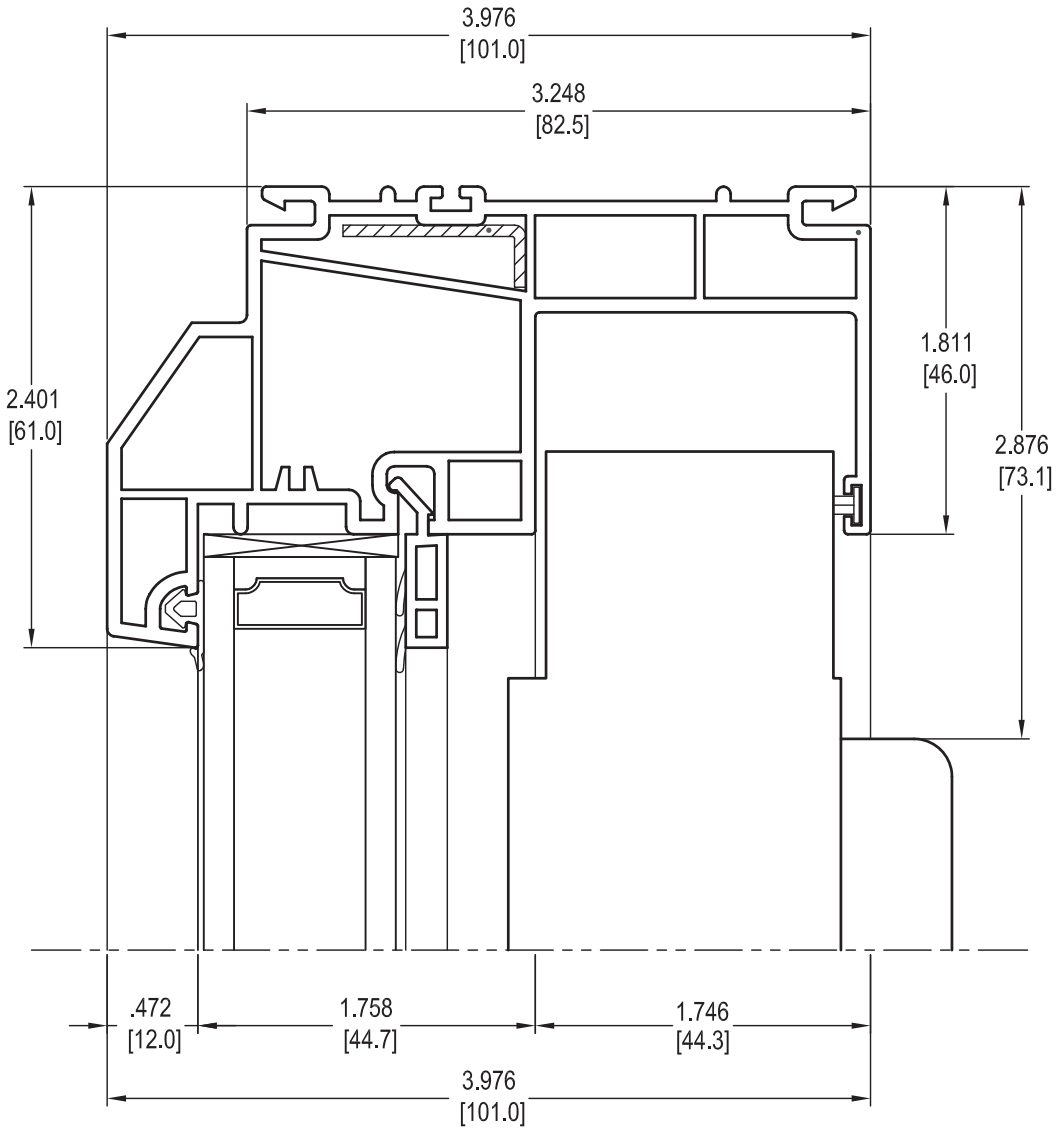
Single-Slider Window - Sill Detail



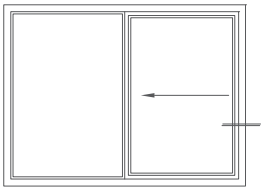
DETAIL DRAWINGS



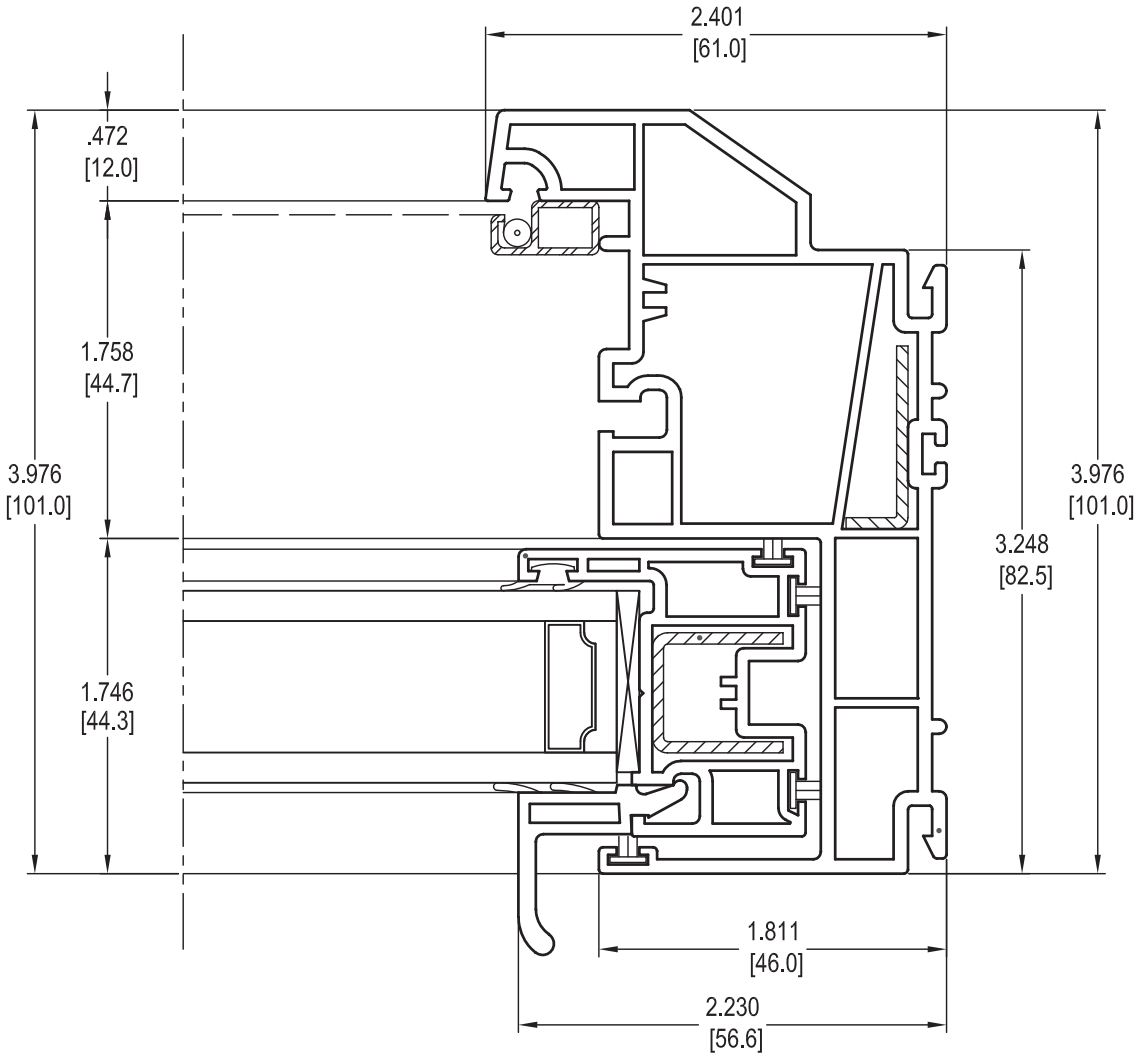
Single-Slider Window - Head Detail



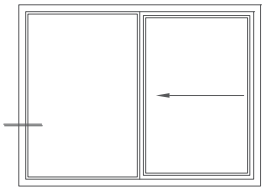
DETAIL DRAWINGS



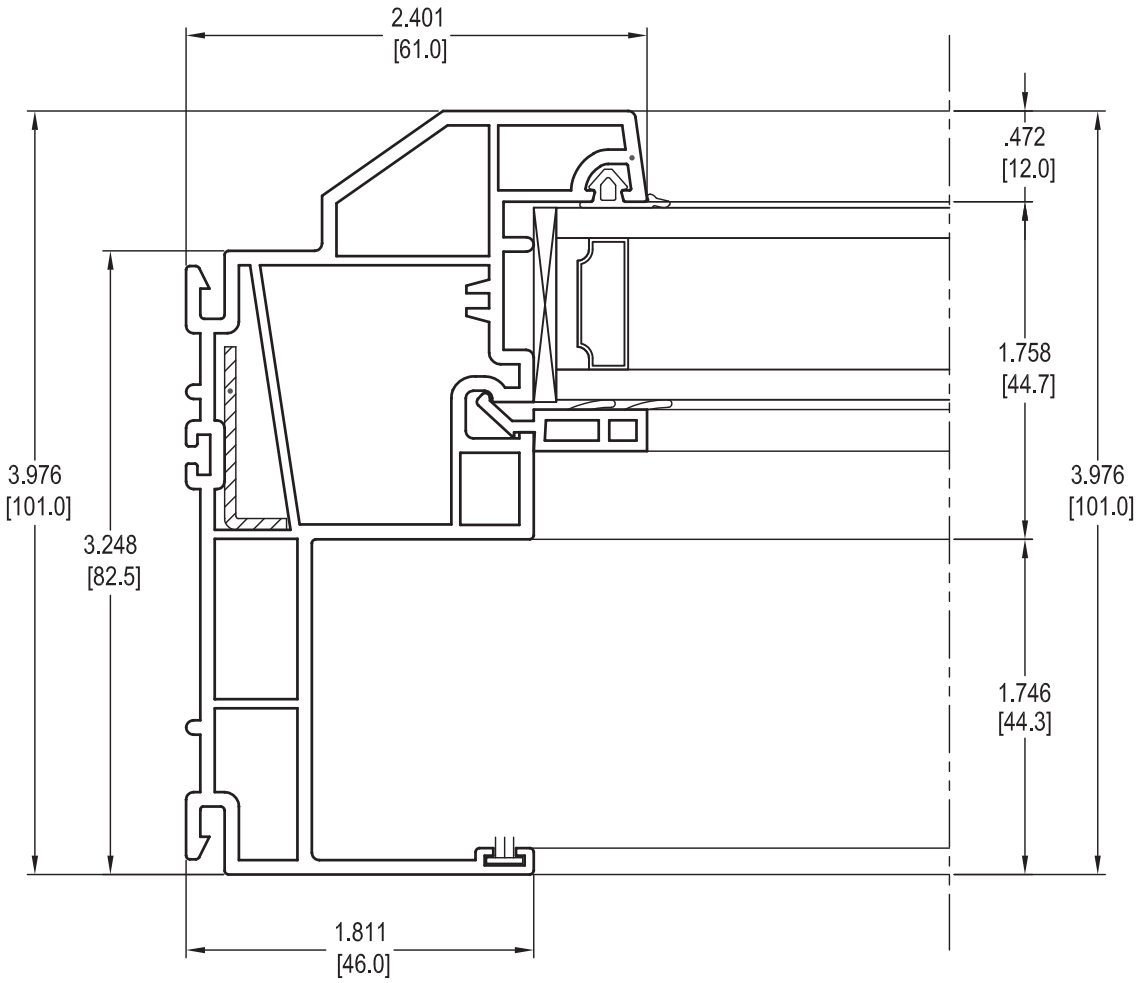
Single-Slider Window - Jamb (Operable) Detail



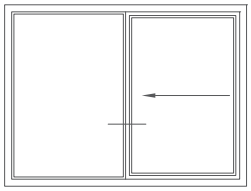
DETAIL DRAWINGS



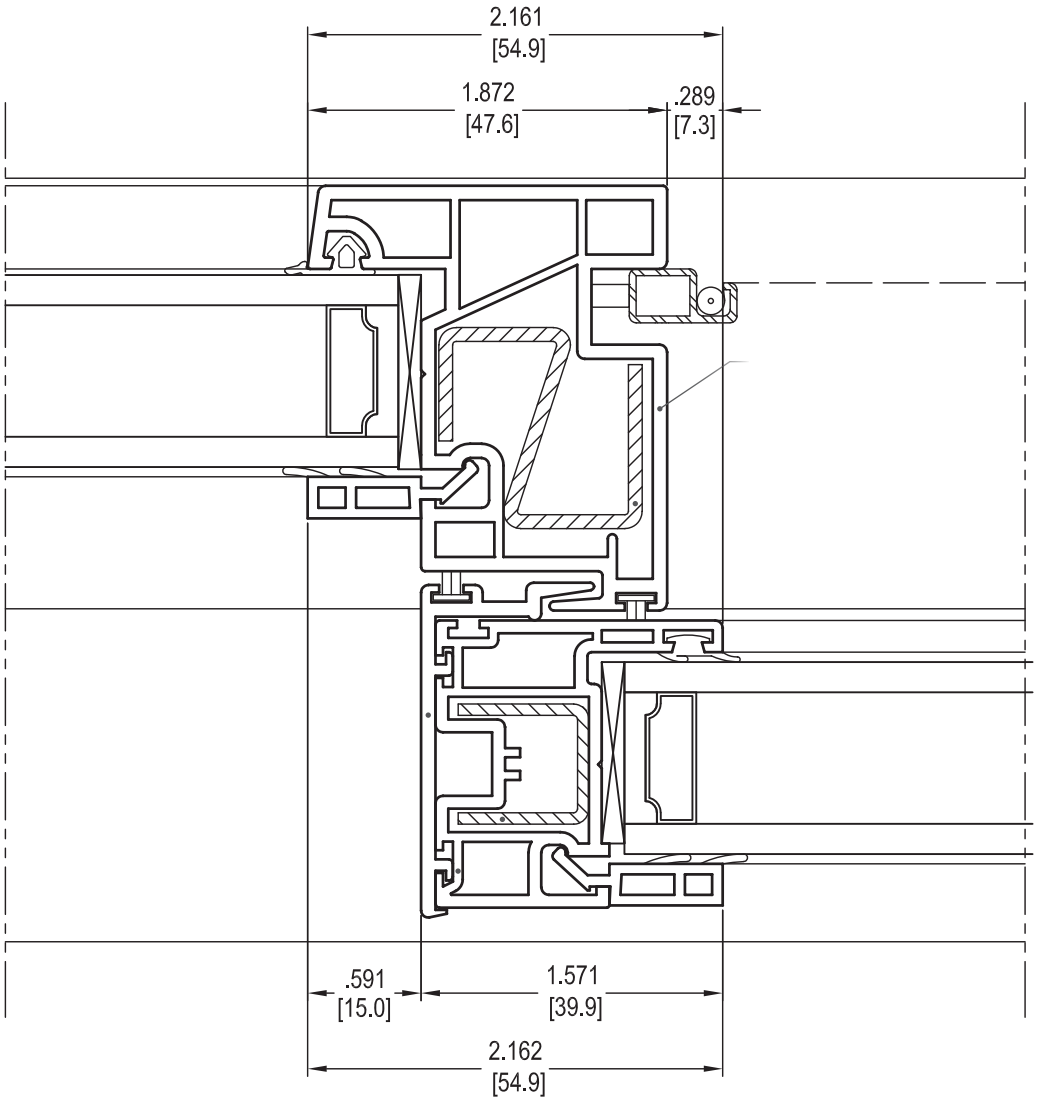
Single-Slider Window - Jamb (Fixed) Detail



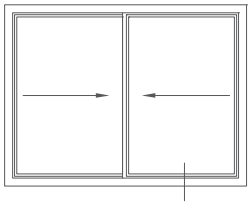
DETAIL DRAWINGS



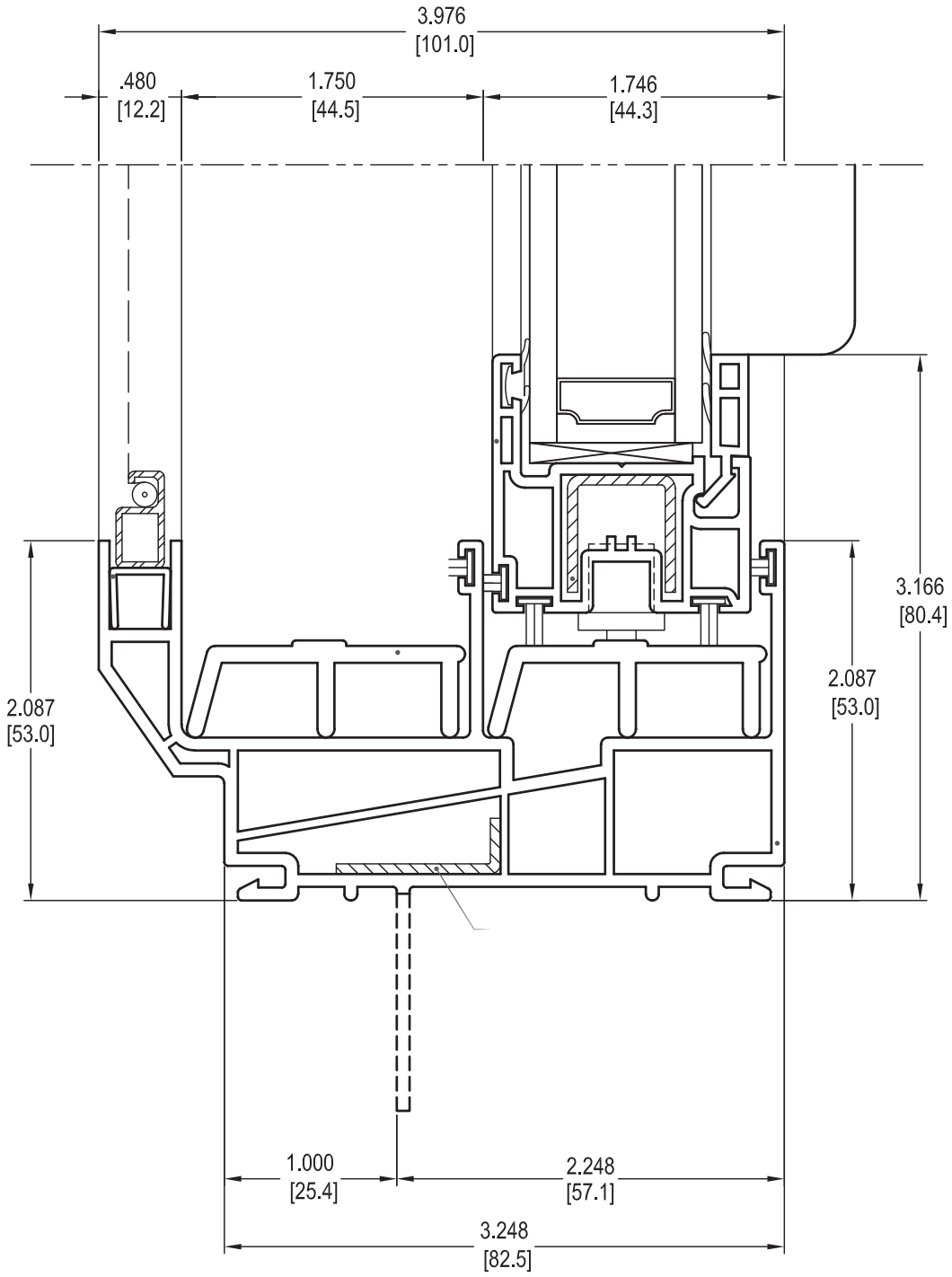
Single-Slider Window - Meeting Rail Detail



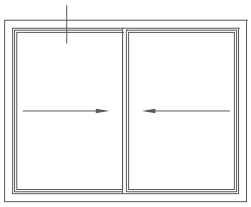
DETAIL DRAWINGS



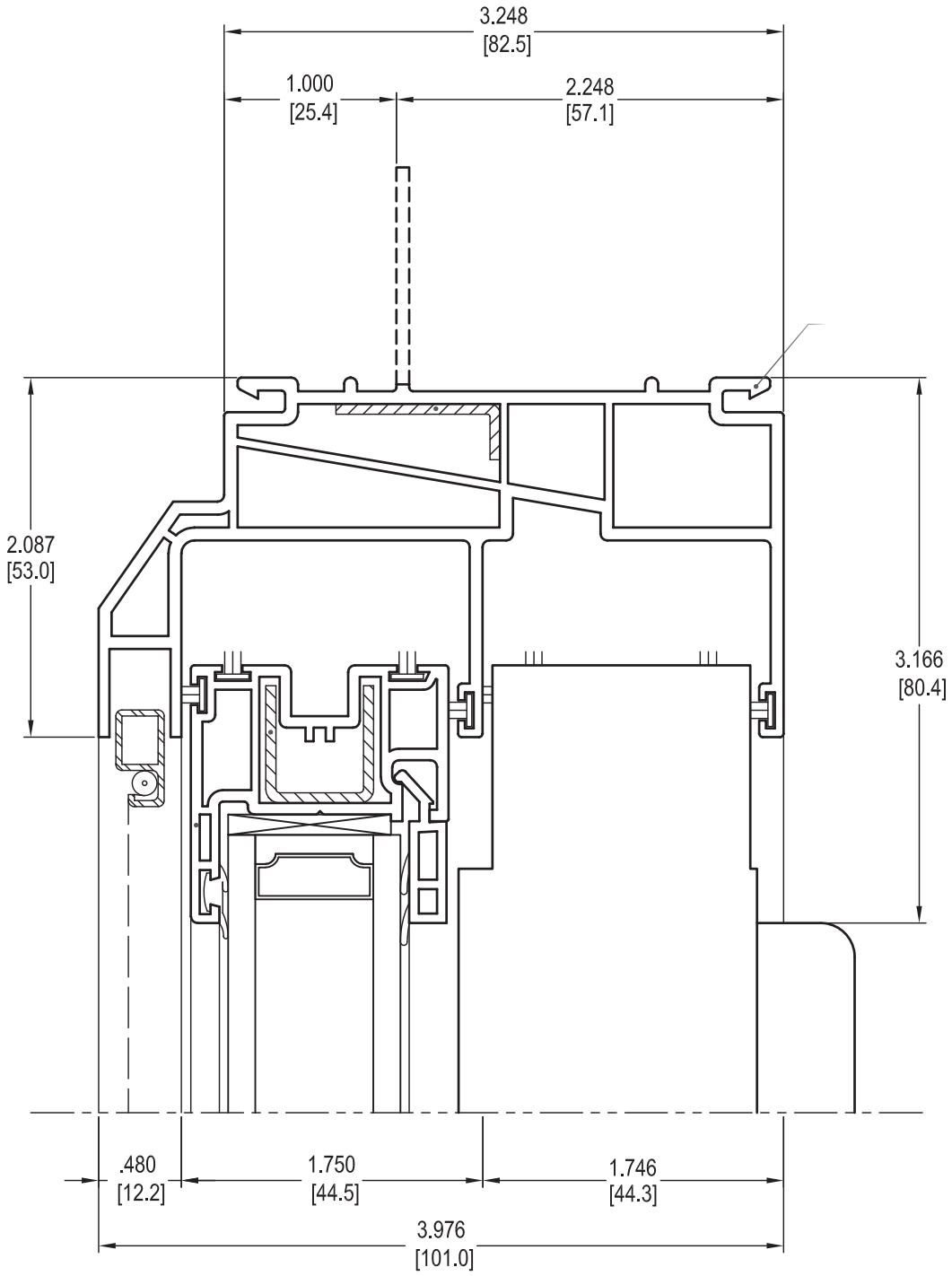
Double-Slider Window - Sill Detail



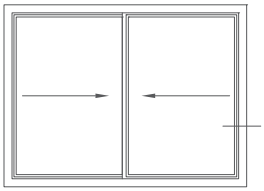
DETAIL DRAWINGS



Double-Slider Window - Head Detail



DETAIL DRAWINGS



Double-Slider Window - Jamb (Interior Sash) Detail