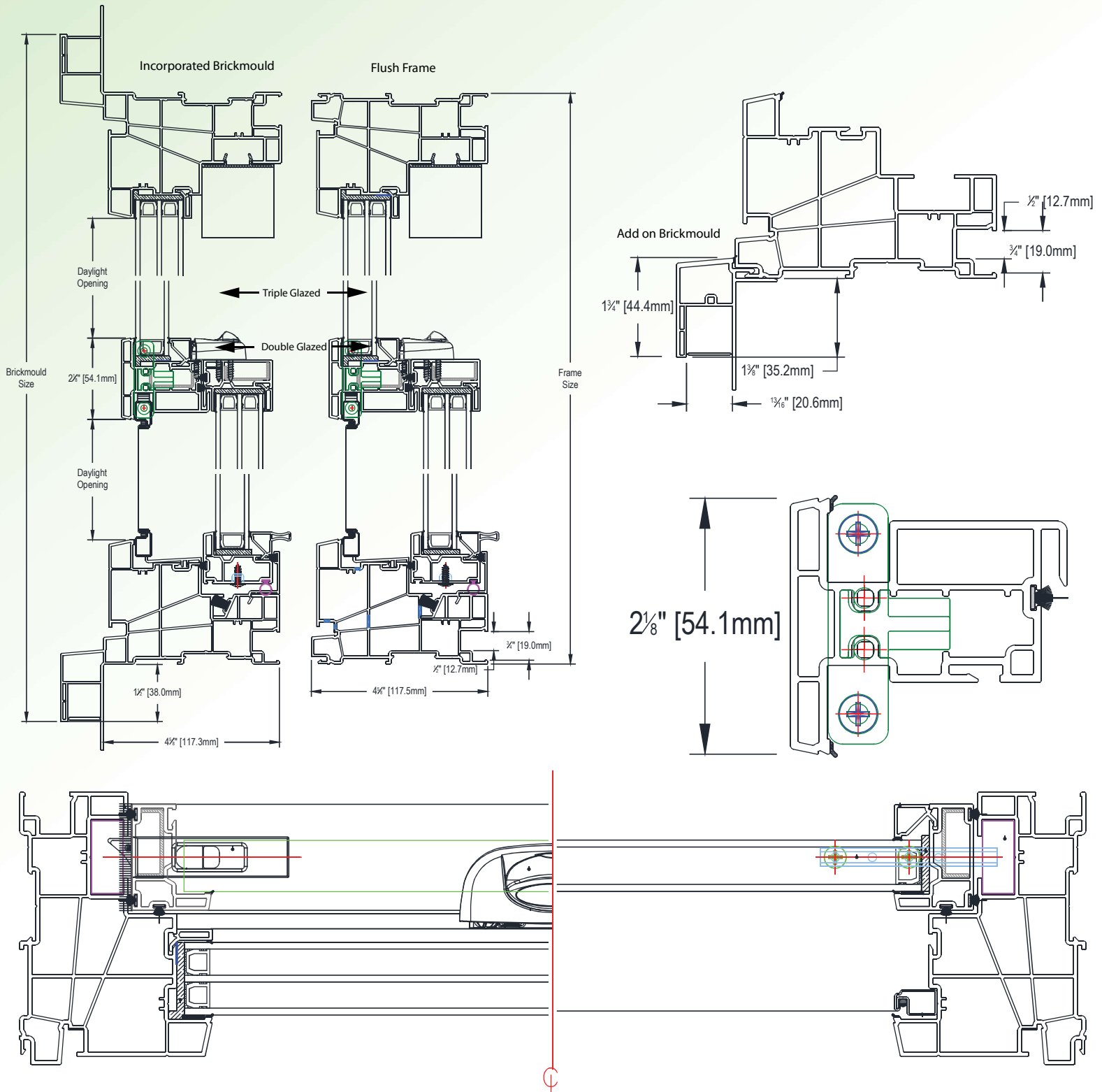


Single Hung

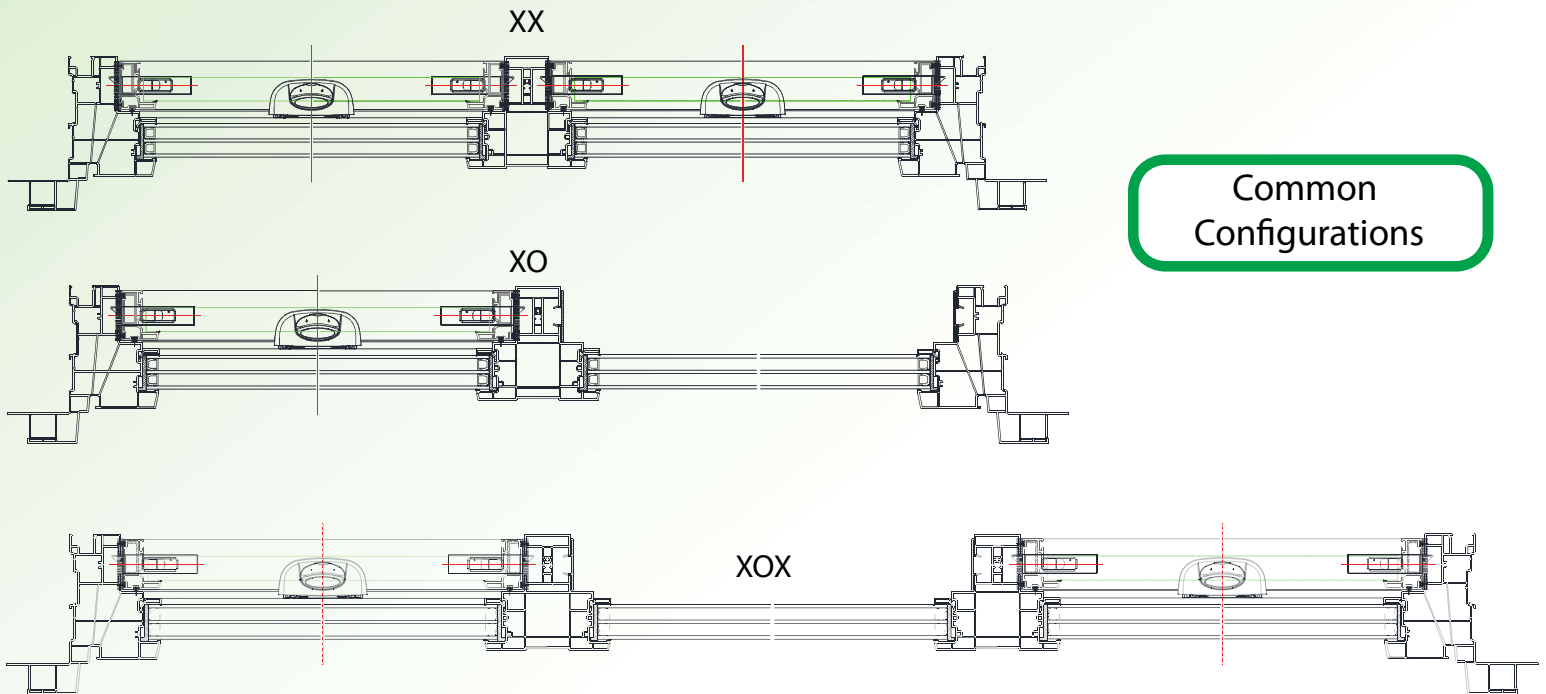
Global Windows and Doors manufactured products are structurally tested in accordance with AAMA/WDMA/CSA 101/I.S.2/A440-08 and -11 'NAFS' with the A440S1-09 Canadian Supplement. And energy performance tested in accordance with ANSI/NFRC 100, NFRC 200 and NFRC 500 as determined by the NFRC Standards accreditation agency.



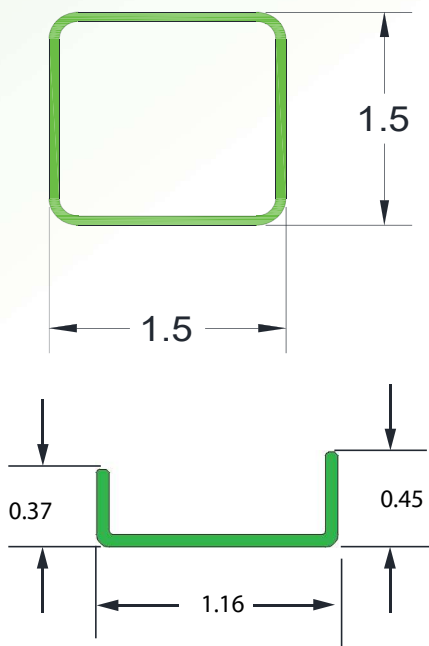
Single Hung



Single Hung Structural Mullion T-Post (Composite)



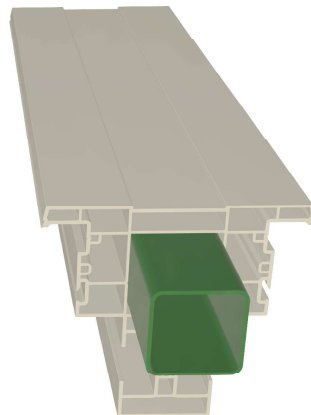
Reinforcement 14 Gauge Steel



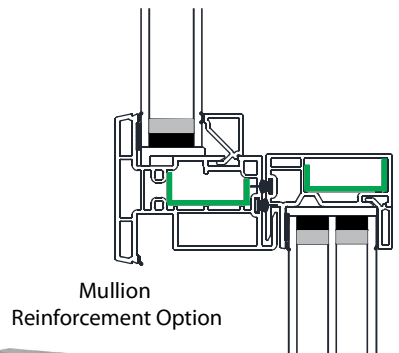
Reinforcement Options

Reinforcement Option

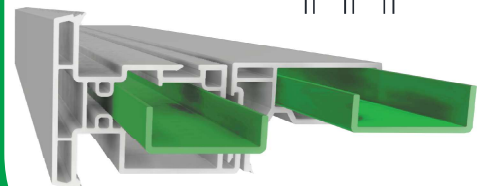
T-Post
Reinforcement Option



Sash
Reinforcement
Option



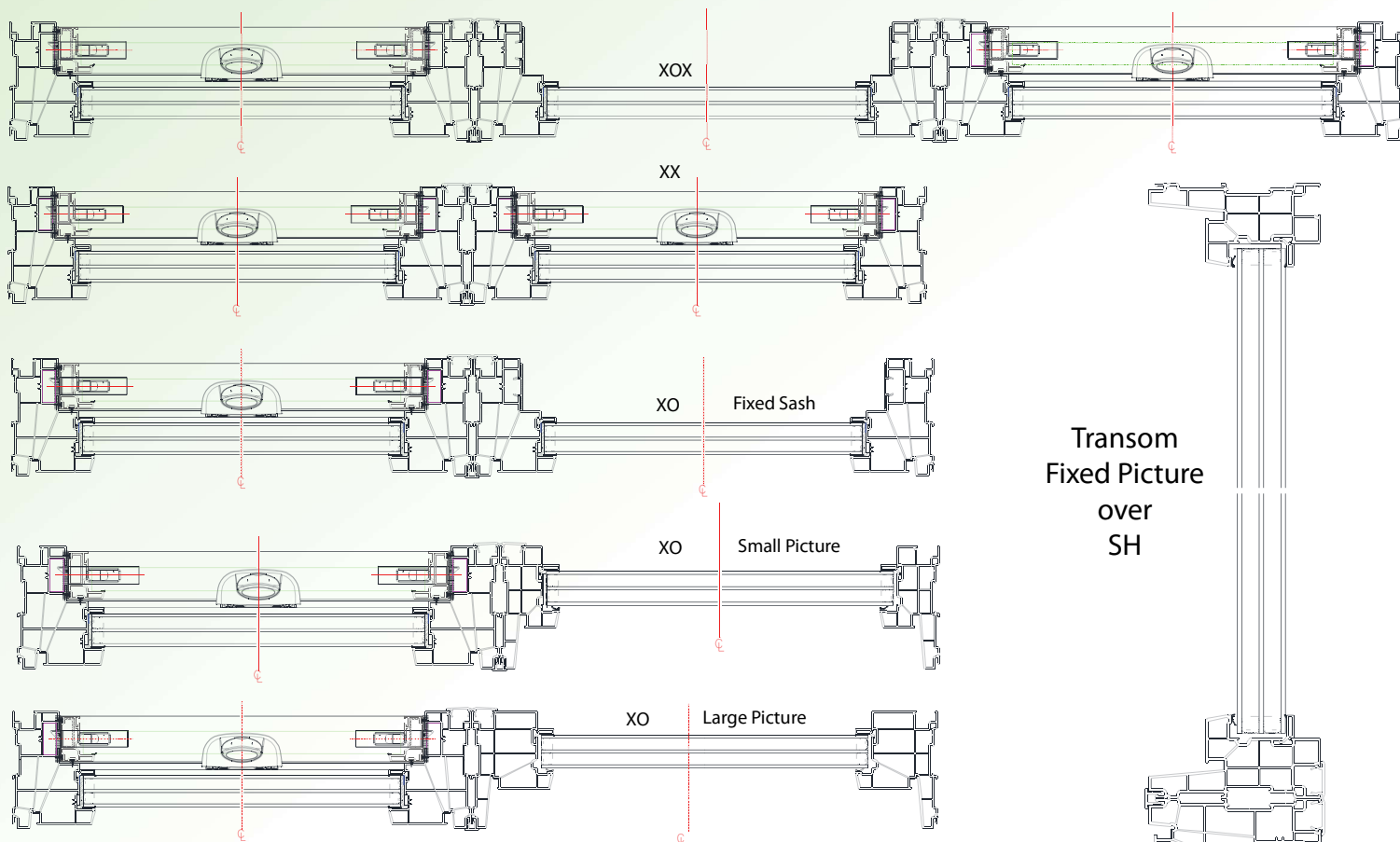
Mullion
Reinforcement Option



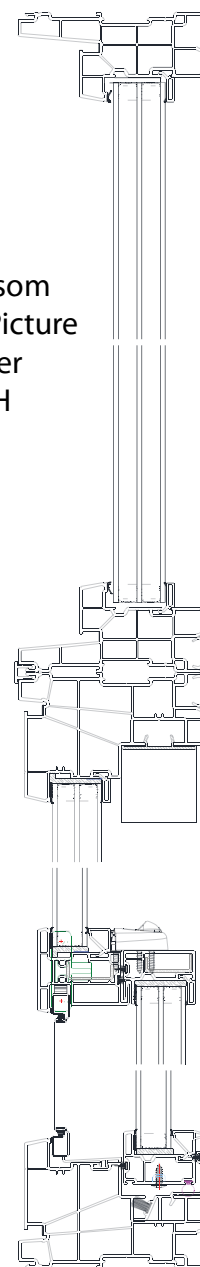
Single Hung

MULLED - COMBINATION

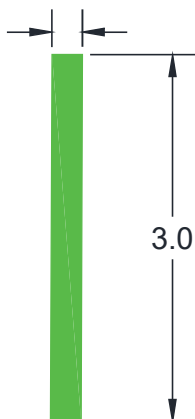
Common
Configurations



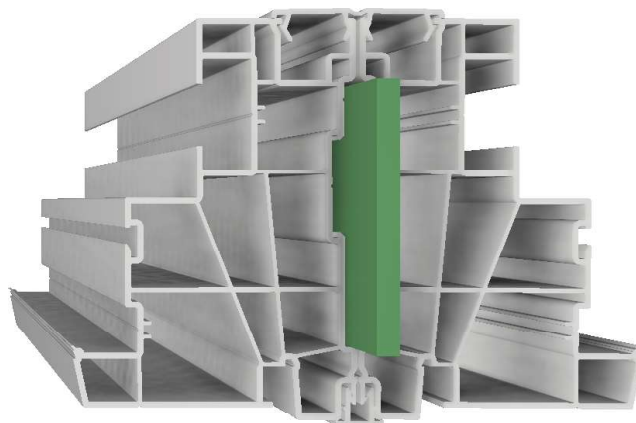
Transom
Fixed Picture
over
SH



0.2500



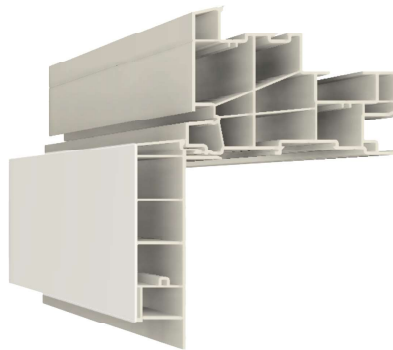
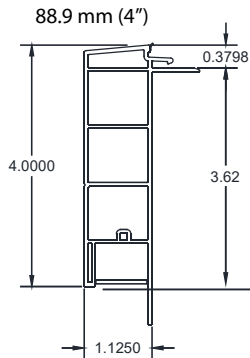
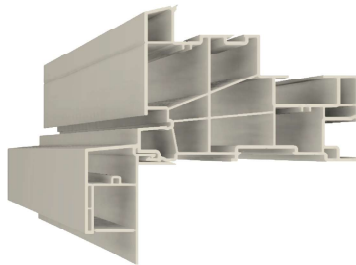
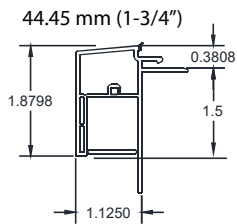
Reinforcement Option



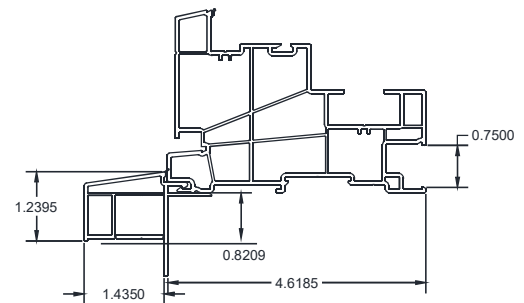
Single Hung

Brickmould Options

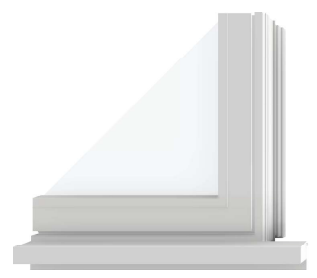
" 1-3/4" and 4" Options



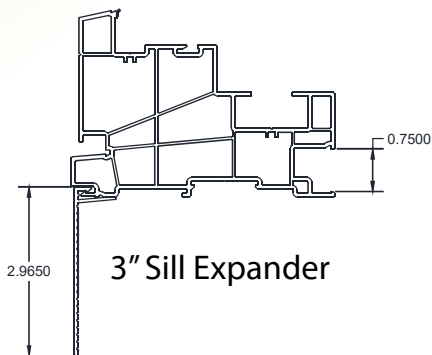
Sill Horn Option



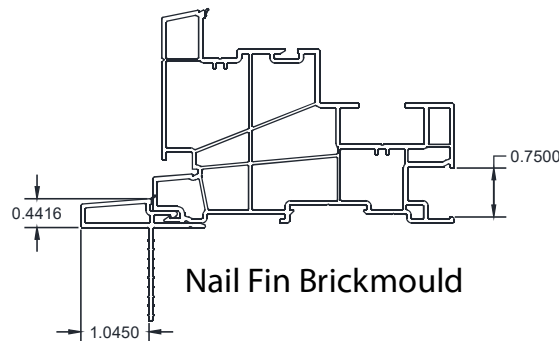
With Brickmould



Sill Horn Option



3" Sill Expander



Nail Fin Brickmould



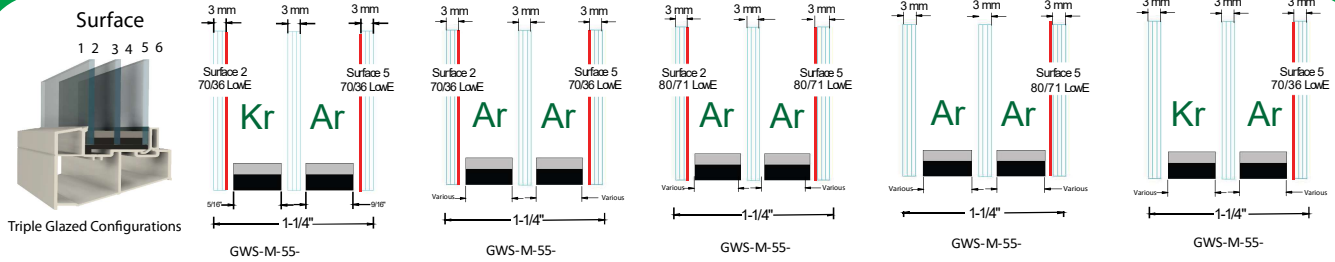
Sill Horn Option

Single Hung

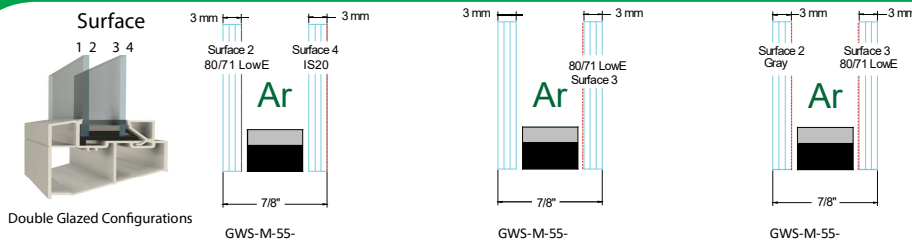
NFRC SIMULATION IN ACCORDANCE WITH
ANSI/NFRC 100, ANSI/NFRC 200 AND NFRC 500

Ar = Argon 39.95 Kr = Krypton 84.80

Glazing Options



NRCan Searchable Product List	Option Name	Insulating Glass Unit		Overall Product					
		Glazing Layers	Grid	U Factor		SHGC	VT	CR	Energy Rating
				W/m2-K	Btu/hr-ft2-F				
GWS-M-55-	PVC_SH2400/4.625-3mm-7036-Kr-Cl-Ar-7036	3	N	0.94	0.17	0.24	0.40	74	33
GWS-M-55-	PVC_SH2400/4.625-3mm-7036-Kr-Cl-Ar-7036-Grills	3	G	0.94	0.17	0.22	0.36	74	32
GWS-M-55-	PVC_SH2400/4.625-3mm-7036-Ar-Cl-Ar-7036	3	N	1.05	0.18	0.24	0.40	72	31
GWS-M-55-	PVC_SH2400/4.625-3mm-7036-Ar-Cl-Ar-7036-Grills	3	G	1.05	0.18	0.22	0.36	72	30
GWS-M-55-	PVC_SH2400/4.625-3mm-8071-Ar-Cl-Ar-8071	3	N	1.10	0.19	0.43	0.52	71	41
GWS-M-55-	PVC_SH2400/4.625-3mm-8071-Ar-Cl-Ar-8071-Grills	3	G	1.10	0.19	0.38	0.46	71	38
GWS-M-55-	PVC_SH2400/4.625-3mm-Gr-Ar-8071-Ar-8071	3	N	1.10	0.19	0.32	0.36	71	34
GWS-M-55-	PVC_SH2400/4.625-3mm-Gr-Ar-8071-Ar-8071-Grills	3	G	1.10	0.19	0.29	0.32	71	32
GWS-M-55-	PVC_SH2400/4.625-3mm-Br-Ar-8071-Ar-8071	3	N	1.10	0.19	0.34	0.39	71	35
GWS-M-55-	PVC_SH2400/4.625-3mm-Bz-Ar-8071-Ar-8071-Grills	3	G	1.10	0.19	0.31	0.35	71	34
GWS-M-55-	PVC_SH2400/4.625-3mm-Cl-Kr-Cl-Ar-7036	3	N	1.19	0.21	0.34	0.47	68	33
GWS-M-55-	PVC_SH2400/4.625-3mm-Cl-Kr-Cl-Ar-7036-Grills	3	G	1.19	0.21	0.30	0.42	68	31
GWS-M-55-	PVC_SH2400/4.625-3mm-Cl-Ar-Cl-Ar-8071	3	N	1.27	0.22	0.47	0.54	68	39
GWS-M-55-	PVC_SH2400/4.625-3mm-Cl-Ar-Cl-Ar-8071-Grills	3	G	1.27	0.22	0.42	0.48	68	36
		NRCan Most Efficient							
		Meets NRCan Certification							



ENERGY STAR® Certified in Canada
Certifie ENERGY STAR au Canada



Canada
energystar.gc.ca

NRCan Searchable Product List	Option Name	Insulating Glass Unit		Overall Product					
		Glazing Layers	Grid	U Factor		SHGC	VT	CR	Energy Rating
				W/m2-K	Btu/hr-ft2-F				
GWS-M-55-	PVC_SH2400/4.625-3mm-8071-Ar-IS20	2	N	1.38	0.24	0.48	0.57	48	37
GWS-M-55-	PVC_SH2400/4.625-3mm-8071-Ar-IS20-Grills	2	G	1.38	0.24	0.42	0.51	48	34
GWS-M-55-	PVC_SH2400/4.625-3mm-Cl-Ar-8071	2	N	1.59	0.28	0.52	0.59	60	35
GWS-M-55-	PVC_SH2400/4.625-3mm-Cl-Ar-8071-Grills	2	G	1.59	0.28	0.47	0.52	60	32
GWS-M-55-	PVC_SH2400/4.625-3mm-Gr-Ar-8071	2	N	1.59	0.28	0.38	0.40	59	27
GWS-M-55-	PVC_SH2400/4.625-3mm-Gr-Ar-8071-Grills	2	G	1.59	0.28	0.34	0.36	59	25
GWS-M-55-	PVC_SH2400/4.625-3mm-Bz-Ar-8071	2	N	1.59	0.28	0.40	0.44	59	28
GWS-M-55-	PVC_SH2400/4.625-3mm-Gr-Ar-8071-Grills	2	G	1.59	0.28	0.36	0.39	59	26

Reference: UL - CLEB Test Report NS-02948-2

Single Hung

NAFS

Based on the results of the testing summarised in Table 1, Global Windows and Doors, "2000 Series Single Hung" Window Unit, Exova Specimen No.: 13-06-M0432-14 met the following requirements as outlined in the NAFS - AAMA/WDMA/CSA 101/IS.2/A440-08 and -11 "NAFS" with the Canadian Supplement A440S1-09 Window Standard:

Sizes Tested

SERIE #	REPORT #	DESCRIPTIONS	REINF.		DIM	CSA			NAFS CLASS
			Y	N		AIR	WAT	STR	
2000	13-06-M0432-14	Single Hung		X	40 X 63	-	-	-	R-PG75-H
2000	AI-04331-C1	Single Hung		X	44 X 72	A3	B7	C3	R-CP60-H
2000	AI-04331-D1	Single Hung	X		44 X 72	A3	B4	C4	R-CP65-H

Reference: Test Report 13-06-M0432-14

Primary product designator:

Optional Secondary designator:

(Non-reinforced)

Class R-PG75-H size tested 1,000 x 1,600 mm (40 x 63")

Positive Design Pressure (DP) = 3,600 Pa (75.0 Psf)

Negative Design Pressure (DP) = -3,600 Pa (-75.0 Psf)

Water Penetration Resistance = 730Pa (15.0 Psf)

Air Leakage Resistance = A3 Level Canadian

Design Pressures Calculated with respect to AAMA 2502 Comparative Analysis Procedure for Windows and Doors

Reference: Test Report AI-04331-C1

Primary product designator:

Optional Secondary designator:

(Non-reinforced)

Class R-PG60-H size tested 1,118 x 1,829 mm (44 x 72")

Positive Design Pressure (DP) = 2,880 Pa (60.0 Psf)

Negative Design Pressure (DP) = -2,880 Pa (-60.0 Psf)

Water Penetration Resistance = 730Pa (15.0 Psf)

Air Leakage Resistance = A3 Level Canadian

Reference: Test Report AI-04331-D1

Primary product designator:

Optional Secondary designator:

(Reinforced)

Class R-PG65-H size tested 1,118 x 1,829 mm (44 x 72")

Positive Design Pressure (DP) = 3,360 Pa (70.0 Psf)

Negative Design Pressure (DP) = -3,360 Pa (-70.0 Psf)

Water Penetration Resistance = 470 Pa (9.75 Psf)

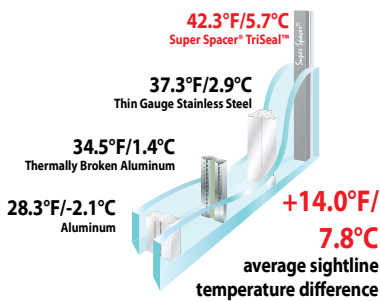
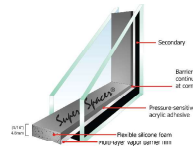
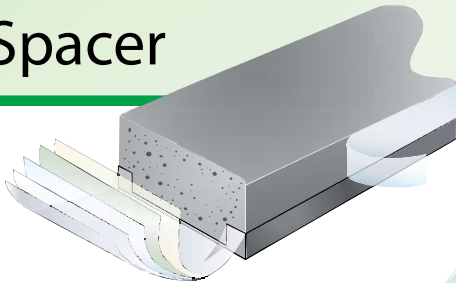
Air Leakage Resistance = A3 Level Canadian

Window Height 1829 mm (72") x Window Width 1118 mm (44") tested for comparative analysis.

Contact your Global Windows and Doors Distributor for (DP) Design Pressures on specific sizes.

Single Hung

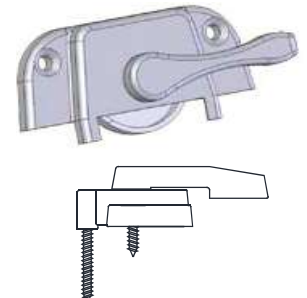
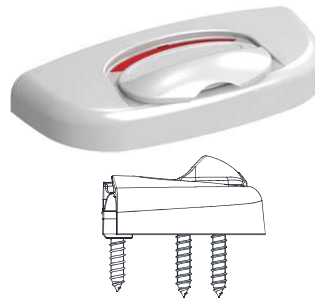
Spacer



**Improves Glass
Surface
Temperature**

Lock Option

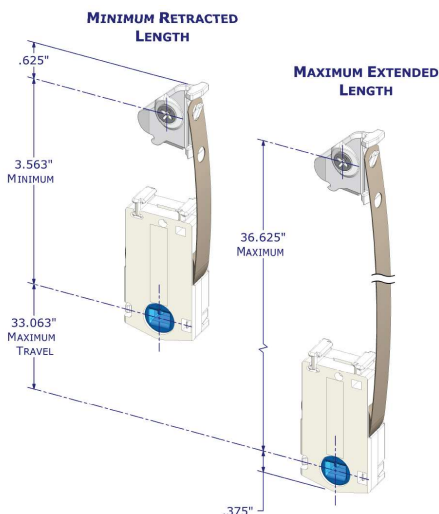
Default TRU-Latch



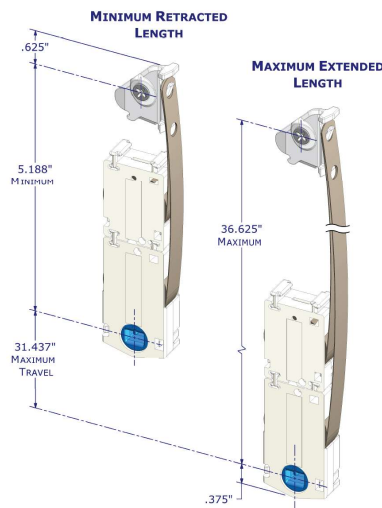
Tilt Roller

Travel Characteristics

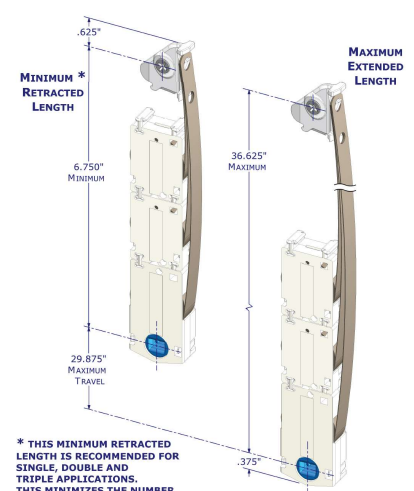
Single Case



Double Case



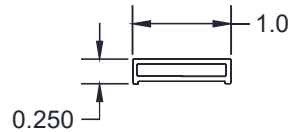
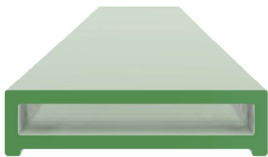
Triple Case



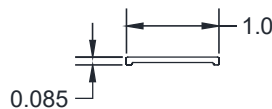
Single Hung

SDL Options

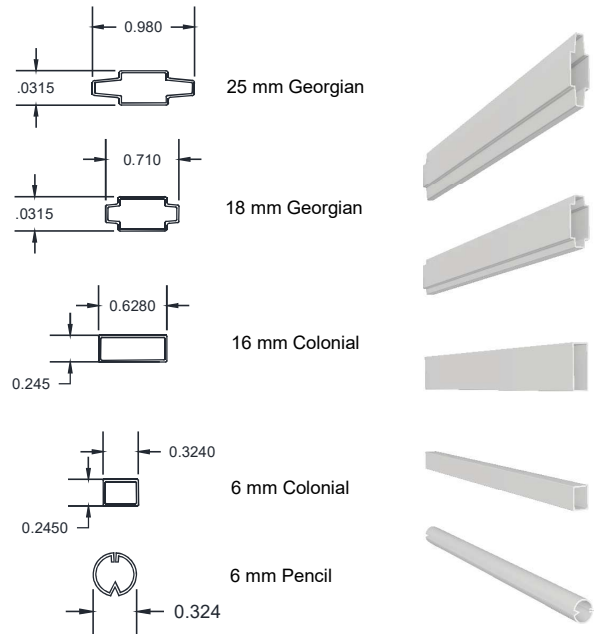
Interior



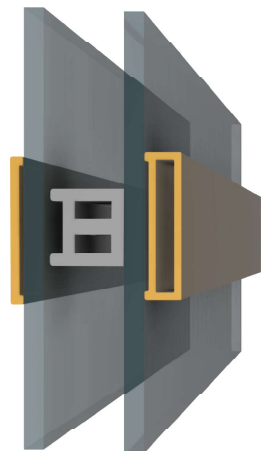
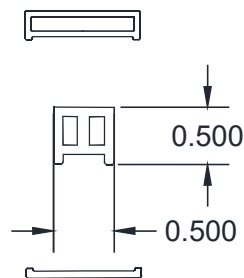
Exterior



Grill Options



Heritage
(internal)



Single Hung

NBCC 9.9 Compliant

Specification/Standards - built in accordance with:

Canadian General Standards Board (CGSB)

- .1 CAN/CGSB-12.1-M90 - Tempered or Laminated Safety Glass.
- .2 CAN/CGSB-12.2-M91 - Flat, Clear Sheet Glass.
- .3 CAN/CGSB-12.3-M91 - Flat, Clear Float Glass.
- .4 CAN/CGSB-12.8-M90 - Insulating Glass Units.

Canadian Standards Association (CSA)

- .1 AAMA/WDMA/CSA 101/I.S.2/A440-[08][11] - NAFS - North American Fenestration Standard / Specification for Windows, Doors, and Skylights; including A440S1-09 - Canadian Supplement.
- .2 AAMA/NWDA 101/I.S. 2-97, Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.

Insulating Glass Manufacturers Alliance (IGMA)

- .1 IGMAC Certification Program for manufacturers of insulating glass units.

National Fenestration Rating Council (NFRC)

- .1 ANSI/NFRC 100 – Procedure for Determining Fenestration Product U-Factors.
- .2 ANSI/NFRC 200 – Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmission at Normal Incidence.
- .3 NFRC 500 – Procedure for Determining Fenestration Product Condensation Resistance Values.

