Clad Ultimate Glider

Unit Features

Clad Ultimate Glider: CUGL

Clad Ultimate Glider Triple Sash: CUGLTS

Clad Ultimate Glider Picture: CUGLP

Frame:

- Exterior frame thickness: Nominally 1 21/32" (42).
- Base Frame Width standard is 4 9/16" (116).
- Available configurations: CUGL (XO, OX, XX) CUGLTS (XOX), and CUGLP (O).
- With a XX operation, there is a beige or white vinyl sash track exposed on exterior sill.

Sash:

- Sash thickness: Nominally 1 9/16" (40).
- Operating sash primary meeting stile is a nominal face 1 23/32" (44) X 1 7/32" (31) thick. Secondary meeting stile is a nominal face 2 3/16" (56) X 1 29/32" (48) thick.
- XO and OX configurations contain a stationary sash and an operating sash that moves horizontally.
- XX configuration contains two operating sash that both move horizontally.
- XOX configuration contains an operator sash to each side of a stationary center sash.
- O configuration contains a single inoperable sash.
- Standard sash sticking profile is Ogee, optional interior Square sticking.
- Different sash option allows unequal sash widths, unique lite cuts for each sash or different glazing in each sash.
- Operating sash is removable for cleaning.

Hardware:

- The glider uses a single handle actuation multi-point lock system and sash retainer bar for tilting or removing the sash to the interior.
- One die cast zinc handle activates one or two latches, depending on the unit height, into one or two keepers on the secondary sash. The bottom of the lock handle is inset approximately 5" (127) from bottom of the sill into the meeting stile of the primary sash and is used to feature a secondary handle, field applied on the secondary sash to assist in operation.
- Latch has an indicator tab that extends when the sash is in a closed position and lock is not locked.
- Factory installed Sash Limiter device is available on operating units. XO, OX and XOX. XO and OX require 1 limiter per window, XOX requires 2 limiters per window. Opening is specified at 4" (102) Net Clear Opening per sash, on an XOX configuration each sash would open 4"(102). Color default; Beige Head Liner/Sill track = Beige sash limiter and White Head Liner/Sill track = White sash limiter. There is no option to pick a color.
- Optional factory applied Window Opening Control Device is available on operating units of the following configurations; XO, OX, XX, and XOX. One device will be applied to each window with the exception of XOX windows which will have 2 devices applied. A device consist a zinc lever housed in a zinc shell on the lower meeting rail of the secondary sash and an acetal stop on the bottom rail of the primary sash. Color: Satin Taupe, White, Bronze, Brass, Antique Brass, Polished Chrome, Satin Chrome, Oil Rubbed Bronze, and Satin Nickel. This device works in accordance to ASTM F2090-10 standard specification for window fall prevention devices with emergency escape.
- XX units will have a secondary handle that aids in the sliding of the secondary sash.
- The standard color of the handle is Satin Taupe. Optional finishes are: White, Bronze, Brass, Antique Brass, Polished Chrome, Satin Chrome, Oil Rubbed Bronze and Satin Nickel.

Weather Strip:

- Exterior frame weather strip is bulb type. The colors are: White, Beige or Black. The default color depends upon the color of the cladding.

Unit Features Continued

Insect Screens:

- The standard screen is roll formed aluminum and fits over the operating sash only for XO and OX operating units.
- XX units will have a screen that covers the entire window opening. The screen will be made in two parts that connect at the meeting stiles of the unit.
- XOX will have screens that cover the active sash opening; no full unit screen configuration in available.
- Aluminum surround to match exterior frame clad color.
- Screen mesh: Standard is Charcoal Fiberglass. Optional screen mesh is Charcoal High Transparency Fiberglass Mesh, Charcoal Aluminum Wire, Black Aluminum Wire, Bright Aluminum Wire, or Bright Bronze Aluminum Wire.

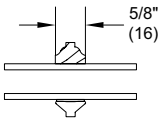
Combination Storm and Screen:

- Frame: Extruded aluminum frame .045" (1.1) thick. Color: Stone White, Arctic White, Bronze, Bahama Brown, Pebble Gray and Evergreen.
- Insect screen: Screen mesh Charcoal Aluminum Wire.
- Weather strip: Pile weather strip between operating panels and at stiles of main frame. Dual seal weather strip at center rail.
- Hardware: Spring loaded latches to secure storm panel.Metal pulls on sliding storm panels.
- The combination for the two sash units, (XO, OX, and XX) will have 1 active panel.
- The combination for the XOX units will have operating panels on each end.

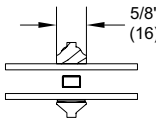
Glass:

- Glazing seal: Silicone glazed.
- Standard glass is insulating Low E2 Argon or Air.
- Optional glazing available: Low E1 Argon or Air, Low E3 Argon or Air, clear, tints, tempered, obscure and others.
- Insulating glass will be altitude adjusted with capillary tubes for higher elevations. Argon gas is not available for elevations that require capillary tubes.

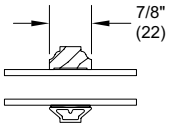
Standard Divided Lite Option



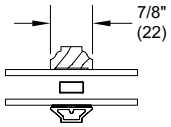
5/8" SDL



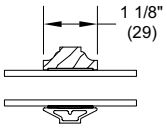
5/8" SDL
W/Spacer



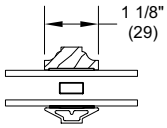
7/8" SDL



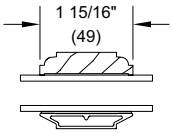
7/8" SDL
W/Spacer Bar



1 1/8" SDL



1 1/8" SDL
W/Spacer Bar



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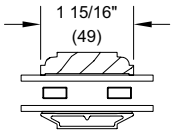
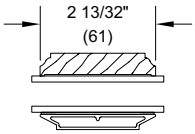


1 15/16 " SDL
W/Two Spacer Bars



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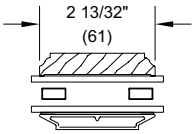
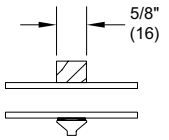


2 13/32" SDL
W/Two Spacer Bars

Optional Interior Square Simulated Divided Lite



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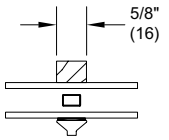
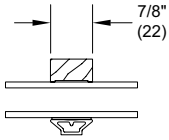
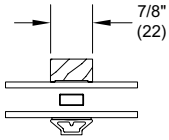


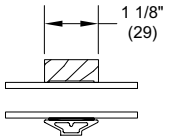
5/8" SDL
W/Spacer



7/8" SDL



7/8" SDL
W/Spacer Bar



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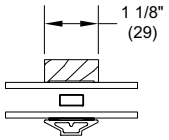
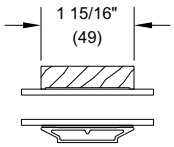


1 1/8" SDL
W/Spacer Bar



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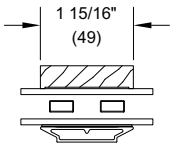
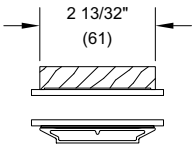


1 15/16" SDL
W/Two Spacer Bars



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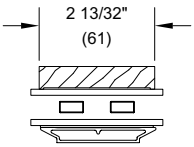


2 13/32" SDL
W/Two Spacer Bars

Egress and Vent Openings: XO, OX, XX

CN	Clear Opening Width		Clear Opening Height		Egress /Vent Opening	
	ft - in	mm	ft - in	mm	ft^2	m^2
3020	1-2 21/64	(364)	1-7 9/32	(490)	1.92	(0.18)
3026	1-2 21/64	(364)	2-1 9/32	(642)	2.52	(0.23)
3030	1-2 21/64	(364)	2-7 9/32	(795)	3.11	(0.29)
3036	1-2 21/64	(364)	3-1 9/32	(947)	3.71	(0.34)
3040	1-2 21/64	(364)	3-7 9/32	(1100)	4.31	(0.40)
3046	1-2 21/64	(364)	4-1 9/32	(1252)	4.90	(0.46)
3050	1-2 21/64	(364)	4-7 9/32	(1404)	5.50	(0.51)
3056 E	1-2 21/64	(364)	5-1 9/32	(1557)	6.10	(0.57)
3060 E	1-2 21/64	(364)	5-7 9/32	(1709)	6.69	(0.62)
3620	1-5 21/64	(440)	1-7 9/32	(490)	2.32	(0.22)
3626	1-5 21/64	(440)	2-1 9/32	(642)	3.04	(0.28)
3630	1-5 21/64	(440)	2-7 9/32	(795)	3.76	(0.35)
3636	1-5 21/64	(440)	3-1 9/32	(947)	4.49	(0.42)
3640	1-5 21/64	(440)	3-7 9/32	(1100)	5.21	(0.48)
3646 E	1-5 21/64	(440)	4-1 9/32	(1252)	5.93	(0.55)
3650 E	1-5 21/64	(440)	4-7 9/32	(1404)	6.65	(0.62)
3656 E	1-5 21/64	(440)	5-1 9/32	(1557)	7.37	(0.68)
3660 E	1-5 21/64	(440)	5-7 9/32	(1709)	8.09	(0.75)
4020	1-8 21/64	(516)	1-7 9/32	(490)	2.72	(0.25)
4026	1-8 21/64	(516)	2-1 9/32	(642)	3.57	(0.33)
4030	1-8 21/64	(516)	2-7 9/32	(795)	4.42	(0.41)
4036	1-8 21/64	(516)	3-1 9/32	(947)	5.26	(0.49)
4040 E	1-8 21/64	(516)	3-7 9/32	(1100)	6.11	(0.57)
4046 E	1-8 21/64	(516)	4-1 9/32	(1252)	6.96	(0.65)
4050 E	1-8 21/64	(516)	4-7 9/32	(1404)	7.80	(0.72)
4056 E	1-8 21/64	(516)	5-1 9/32	(1557)	8.65	(0.80)
4060 E	1-8 21/64	(516)	5-7 9/32	(1709)	9.50	(0.88)
4620	1-11 21/64	(592)	1-7 9/32	(490)	3.12	(0.29)
4626	1-11 21/64	(592)	2-1 9/32	(642)	4.10	(0.38)
4630	1-11 21/64	(592)	2-7 9/32	(795)	5.07	(0.47)
4636 E	1-11 21/64	(592)	3-1 9/32	(947)	6.04	(0.56)

CN	Clear Opening Width		Clear Opening Height		Egress/Vent Opening	
	ft - in	mm	ft - in	mm	ft^2	m^2
4640 E	1-11 21/64	(592)	3-7 9/32	(1100)	7.01	(0.65)
4646 E	1-11 21/64	(592)	4-1 9/32	(1252)	7.98	(0.74)
4650 E	1-11 21/64	(592)	4-7 9/32	(1404)	8.95	(0.83)
4656 E	1-11 21/64	(592)	5-1 9/32	(1557)	9.93	(0.92)
4660 E	1-11 21/64	(592)	5-7 9/32	(1709)	10.90	(1.01)
5020	2-2 21/64	(669)	1-7 9/32	(490)	3.53	(0.33)
5026	2-2 21/64	(669)	2-1 9/32	(642)	4.62	(0.43)
5030 E	2-2 21/64	(669)	2-7 9/32	(795)	5.72	(0.53)
5036 E	2-2 21/64	(669)	3-1 9/32	(947)	6.82	(0.63)
5040 E	2-2 21/64	(669)	3-7 9/32	(1100)	7.91	(0.74)
5046 E	2-2 21/64	(669)	4-1 9/32	(1252)	9.01	(0.84)
5050 E	2-2 21/64	(669)	4-7 9/32	(1404)	10.11	(0.94)
5056 E	2-2 21/64	(669)	5-1 9/32	(1557)	11.20	(1.04)
5060 E	2-2 21/64	(669)	5-7 9/32	(1709)	12.30	(1.14)
5620	2-5 21/64	(745)	1-7 9/32	(490)	3.93	(0.36)
5626	2-5 21/64	(745)	2-1 9/32	(642)	5.15	(0.48)
5630 E	2-5 21/64	(745)	2-7 9/32	(795)	6.37	(0.59)
5636 E	2-5 21/64	(745)	3-1 9/32	(947)	7.59	(0.71)
5640 E	2-5 21/64	(745)	3-7 9/32	(1100)	8.81	(0.82)
5646 E	2-5 21/64	(745)	4-1 9/32	(1252)	10.04	(0.93)
5650 E	2-5 21/64	(745)	4-7 9/32	(1404)	11.26	(1.05)
5656 E	2-5 21/64	(745)	5-1 9/32	(1557)	12.48	(1.16)
5660 E	2-5 21/64	(745)	5-7 9/32	(1709)	13.70	(1.27)
6020	2-8 21/64	(821)	1-7 9/32	(490)	4.33	(0.40)
6026	2-8 21/64	(821)	2-1 9/32	(642)	5.68	(0.53)
6030 E	2-8 21/64	(821)	2-7 9/32	(795)	7.02	(0.65)
6036 E	2-8 21/64	(821)	3-1 9/32	(947)	8.37	(0.78)
6040 E	2-8 21/64	(821)	3-7 9/32	(1100)	9.72	(0.90)
6046 E	2-8 21/64	(821)	4-1 9/32	(1252)	11.06	(1.03)
6050 E	2-8 21/64	(821)	4-7 9/32	(1404)	12.41	(1.15)
6056 E	2-8 21/64	(821)	5-1 9/32	(1557)	13.76	(1.28)
6060 E	2-8 21/64	(821)	5-7 9/32	(1709)	15.10	(1.40)

NOTE: E= Window that meets the requirements for Egress. Please note that top of the sill must be no more than 44" (1118) *from the floor.*

NOTE: Refer to Product Performance Chapter for International Building Code. Net Clear Opening drawings are pictured with the conversion tables.

Daylight Opening: XO, OX, XX

Clad Ultimate Glider Daylight Opening Measurements OX, XO, XX			Width					
		CN	30		36		40	
		DLO	1-1 9/32	(337)	1-4 9/32	(413)	1-7 9/32	(490)
CN	DLO Height		Standard Bottom Rail					
			ft^2	m^2	ft^2	m^2	ft^2	m^2
20	1-4 23/32	(425)	1.54	(0.14)	1.89	(0.18)	2.24	(0.21)
26	1-10 23/32	(577)	2.09	(0.19)	2.57	(0.24)	3.04	(0.28)
30	2-4 23/32	(729)	2.65	(0.25)	3.25	(0.30)	3.84	(0.36)
36	2-10 23/32	(882)	3.20	(0.30)	3.92	(0.36)	4.65	(0.43)
40	3-4 23/32	(1034)	3.75	(0.35)	4.60	(0.43)	5.45	(0.51)
46	3-10 23/32	(1187)	4.31	(0.40)	5.28	(0.49)	6.25	(0.58)
50	4-4 23/32	(1339)	4.86	(0.45)	5.96	(0.55)	7.06	(0.66)
56	4-10 23/32	(1491)	5.41	(0.50)	6.64	(0.62)	7.86	(0.73)
60	5-4 23/32	(1644)	5.97	(0.55)	7.31	(0.68)	8.66	(0.80)
			Tall Bottom Rail					
20	1-3 53/64	(402)	1.46	(0.14)	1.79	(0.17)	2.12	(0.20)
26	1-9 53/64	(554)	2.01	(0.19)	2.47	(0.23)	2.92	(0.27)
30	2-3 53/64	(707)	2.56	(0.24)	3.14	(0.29)	3.72	(0.35)
36	2-9 53/64	(859)	3.12	(0.29)	3.82	(0.36)	4.53	(0.42)
40	3-3 53/64	(1012)	3.67	(0.34)	4.50	(0.42)	5.33	(0.50)
46	3-9 53/64	(1164)	4.22	(0.39)	5.18	(0.48)	6.13	(0.57)
50	4-3 53/64	(1316)	4.78	(0.44)	5.86	(0.54)	6.94	(0.64)
56	4-9 53/64	(1469)	5.33	(0.50)	6.54	(0.61)	7.74	(0.72)
60	5-3 53/64	(1621)	5.88	(0.55)	7.21	(0.67)	8.54	(0.79)

Clad Ultimate Glider Daylight Opening Measurements OX, XO, XX			Width							
		CN	46		50		56		60	
		DLO	1-10 9/32	(566)	2-1 9/32	(642)	2-4 9/32	(718)	2-7 9/32	(794)
CN	DLO Height		Standard Bottom Rail							
			ft^2	m^2	ft^2	m^2	ft^2	m^2	ft^2	m^2
20	1-4 23/32	(425)	2.59	(0.24)	2.93	(0.27)	3.28	(0.30)	3.63	(0.34)
26	1-10 23/32	(577)	3.51	(0.33)	3.99	(0.37)	4.46	(0.41)	4.93	(0.46)
30	2-4 23/32	(729)	4.44	(0.41)	5.04	(0.47)	5.64	(0.52)	6.24	(0.58)
36	2-10 23/32	(882)	5.37	(0.50)	6.09	(0.57)	6.82	(0.63)	7.54	(0.70)
40	3-4 23/32	(1034)	6.30	(0.59)	7.15	(0.66)	7.99	(0.74)	8.84	(0.82)
46	3-10 23/32	(1187)	7.23	(0.67)	8.20	(0.76)	9.17	(0.85)	10.15	(0.94)
50	4-4 23/32	(1339)	8.15	(0.76)	9.25	(0.86)	10.35	(0.96)	11.45	(1.06)
56	4-10 23/32	(1491)	9.08	(0.84)	10.31	(0.96)	11.53	(1.07)	12.75	(1.18)
60	5-4 23/32	(1644)	10.01	(0.93)	11.36	(1.06)	12.71	(1.18)	14.05	(1.31)
			Tall Bottom Rail							
20	1-3 53/64	(402)	2.45	(0.23)	2.78	(0.26)	3.11	(0.29)	3.44	(0.32)
26	1-9 53/64	(554)	3.38	(0.31)	3.83	(0.36)	4.29	(0.40)	4.74	(0.44)
30	2-3 53/64	(707)	4.30	(0.40)	4.88	(0.45)	5.46	(0.51)	6.04	(0.56)
36	2-9 53/64	(859)	5.23	(0.49)	5.94	(0.55)	6.64	(0.62)	7.35	(0.68)
40	3-3 53/64	(1012)	6.16	(0.57)	6.99	(0.65)	7.82	(0.73)	8.65	(0.80)
46	3-9 53/64	(1164)	7.09	(0.66)	8.04	(0.75)	9.00	(0.84)	9.95	(0.92)
50	4-3 53/64	(1316)	8.02	(0.74)	9.10	(0.85)	10.18	(0.95)	11.26	(1.05)
56	4-9 53/64	(1469)	8.94	(0.83)	10.15	(0.94)	11.35	(1.05)	12.56	(1.17)
60	5-3 53/64	(1621)	9.87	(0.92)	11.20	(1.04)	12.53	(1.16)	13.86	(1.29)

Egress and Vent Openings: XOX

CN		Opening Width		Opening Height		Egress Opening	
		ft - in	mm	ft - in	mm	ft^2	m^2
6020		1-3 1/32	(382)	1-7 9/32	(490)	2.01	(0.19)
6026		1-3 1/32	(382)	2-1 9/32	(642)	2.64	(0.25)
6030		1-3 1/32	(382)	2-7 9/32	(795)	3.27	(0.30)
6036		1-3 1/32	(382)	3-1 9/32	(947)	3.89	(0.36)
6040		1-3 1/32	(382)	3-7 9/32	(1100)	4.52	(0.42)
6046		1-3 1/32	(382)	4-1 9/32	(1252)	5.15	(0.48)
6050	E	1-3 1/32	(382)	4-7 9/32	(1404)	5.77	(0.54)
6056	E	1-3 1/32	(382)	5-1 9/32	(1557)	6.40	(0.59)
6060	E	1-3 1/32	(382)	5-7 9/32	(1709)	7.03	(0.65)
8020		1-9 1/32	(534)	1-7 9/32	(490)	2.82	(0.26)
8026		1-9 1/32	(534)	2-1 9/32	(642)	3.69	(0.34)
8030		1-9 1/32	(534)	2-7 9/32	(795)	4.57	(0.42)
8036		1-9 1/32	(534)	3-1 9/32	(947)	5.45	(0.51)
8040	E	1-9 1/32	(534)	3-7 9/32	(1100)	6.32	(0.59)
8046	E	1-9 1/32	(534)	4-1 9/32	(1252)	7.20	(0.67)
8050	E	1-9 1/32	(534)	4-7 9/32	(1404)	8.08	(0.75)
8056	E	1-9 1/32	(534)	5-1 9/32	(1557)	8.95	(0.83)
8060	E	1-9 1/32	(534)	5-7 9/32	(1709)	9.83	(0.91)
10020		2-3 1/32	(687)	1-7 9/32	(490)	3.62	(0.34)
10026		2-3 1/32	(687)	2-1 9/32	(642)	4.75	(0.44)
10030	E	2-3 1/32	(687)	2-7 9/32	(795)	5.87	(0.55)
10036	E	2-3 1/32	(687)	3-1 9/32	(947)	7.00	(0.65)
10040	E	2-3 1/32	(687)	3-7 9/32	(1100)	8.13	(0.75)
10046	E	2-3 1/32	(687)	4-1 9/32	(1252)	9.25	(0.86)
10050	E	2-3 1/32	(687)	4-7 9/32	(1404)	10.38	(0.96)
10056	E	2-3 1/32	(687)	5-1 9/32	(1557)	11.51	(1.07)
10060	E	2-3 1/32	(687)	5-7 9/32	(1709)	12.63	(1.17)

CN	Opening Vent Width		Opening Vent Height		Vent Opening	
	ft - in	mm	ft - in	mm	ft^2	m^2
6020	2-6 1/16	(764)	1-7 9/32	(490)	4.03	(0.37)
6026	2-6 1/16	(764)	2-1 9/32	(642)	5.28	(0.49)
6030	2-6 1/16	(764)	2-7 9/32	(795)	6.53	(0.61)
6036	2-6 1/16	(764)	3-1 9/32	(947)	7.79	(0.72)
6040	2-6 1/16	(764)	3-7 9/32	(1100)	9.04	(0.84)
6046	2-6 1/16	(764)	4-1 9/32	(1252)	10.29	(0.96)
6050	2-6 1/16	(764)	4-7 9/32	(1404)	11.54	(1.07)
6056	2-6 1/16	(764)	5-1 9/32	(1557)	12.80	(1.19)
6060	2-6 1/16	(764)	5-7 9/32	(1709)	14.05	(1.31)
8020	3-6 1/16	(1069)	1-7 9/32	(490)	5.64	(0.52)
8026	3-6 1/16	(1069)	2-1 9/32	(642)	7.39	(0.69)
8030	3-6 1/16	(1069)	2-7 9/32	(795)	9.14	(0.85)
8036	3-6 1/16	(1069)	3-1 9/32	(947)	10.89	(1.01)
8040	3-6 1/16	(1069)	3-7 9/32	(1100)	12.65	(1.17)
8046	3-6 1/16	(1069)	4-1 9/32	(1252)	14.40	(1.34)
8050	3-6 1/16	(1069)	4-7 9/32	(1404)	16.15	(1.50)
8056	3-6 1/16	(1069)	5-1 9/32	(1557)	17.90	(1.66)
8060	3-6 1/16	(1069)	5-7 9/32	(1709)	19.66	(1.83)
10020	4-6 1/16	(1373)	1-7 9/32	(490)	7.24	(0.67)
10026	4-6 1/16	(1373)	2-1 9/32	(642)	9.50	(0.88)
10030	4-6 1/16	(1373)	2-7 9/32	(795)	11.75	(1.09)
10036	4-6 1/16	(1373)	3-1 9/32	(947)	14.00	(1.30)
10040	4-6 1/16	(1373)	3-7 9/32	(1100)	16.25	(1.51)
10046	4-6 1/16	(1373)	4-1 9/32	(1252)	18.51	(1.72)
10050	4-6 1/16	(1373)	4-7 9/32	(1404)	20.76	(1.93)
10056	4-6 1/16	(1373)	5-1 9/32	(1557)	23.01	(2.14)
10060	4-6 1/16	(1373)	5-7 9/32	(1709)	25.27	(2.35)

NOTE: E= Window that meets the requirements for Egress. Please note that top of the sill must be no more than 44" (1118) *from the floor.*

NOTE: Refer to Product Performance Chapter for International Building Code. Net Clear Opening drawings are pictured with the conversion tables.

Daylight Measurements: XOX

Clad Ultimate Glider Daylight Opening Measurements XOX			Width					
		CN	60		80		100	
		DLO	1-1 9/32	(337)	1-7 9/32	(490)	2-1 9/32	(642)
CN	DLO Height		Standard Bottom Rail					
			ft^2	m^2	ft^2	m^2	ft^2	m^2
20	1-5 25/32	(452)	6.98	(0.65)	9.76	(0.91)	12.55	(1.17)
26	1-11 25/32	(604)	9.48	(0.88)	13.27	(1.23)	17.05	(1.58)
30	2-5 25/32	(756)	11.99	(1.11)	16.77	(1.56)	21.56	(2.00)
36	2-11 25/32	(909)	14.49	(1.35)	20.28	(1.88)	26.06	(2.42)
40	3-5 25/32	(1061)	17.00	(1.58)	23.78	(2.21)	30.57	(2.84)
46	3-11 25/32	(1214)	19.50	(1.81)	27.29	(2.54)	35.07	(3.26)
50	4-5 25/32	(1366)	22.01	(2.04)	30.79	(2.86)	39.58	(3.68)
56	4-11 25/32	(1518)	24.51	(2.28)	34.30	(3.19)	44.08	(4.10)
60	5-5 25/32	(1671)	27.02	(2.51)	37.80	(3.51)	48.59	(4.51)
			Tall Bottom Rail					
20	1-4 23/32	(425)	6.61	(0.61)	9.24	(0.86)	11.88	(1.10)
26	1-10 23/32	(577)	9.11	(0.85)	12.75	(1.18)	16.39	(1.52)
30	2-4 23/32	(729)	11.62	(1.08)	16.25	(1.51)	20.89	(1.94)
36	2-10 23/32	(882)	14.12	(1.31)	19.76	(1.84)	25.40	(2.36)
40	3-4 23/32	(1034)	16.63	(1.54)	23.26	(2.16)	29.90	(2.78)
46	3-10 23/32	(1187)	19.13	(1.78)	26.77	(2.49)	34.41	(3.20)
50	4-4 23/32	(1339)	21.64	(2.01)	30.27	(2.81)	38.91	(3.61)
56	4-10 23/32	(1491)	24.14	(2.24)	33.78	(3.14)	43.42	(4.03)
60	5-4 23/32	(1644)	26.65	(2.48)	37.28	(3.46)	47.92	(4.45)

Daylight Measurements: Picture Units

Clad Ultimate Glider Picture Daylight Opening Measurements			Width							
		CN	30		36		40		46	
		DLO	2-4 63/64	(736)	2-10 63/64	(888)	3-4 63/64	(1041)	3-10 63/64	(1193)
CN	DLO Height		Standard Bottom Rail							
			ft^2	m^2	ft^2	m^2	ft^2	m^2	ft^2	m^2
20	1-4 23/32	(425)	3.36	(0.31)	4.06	(0.38)	4.76	(0.44)	5.45	(0.51)
26	1-10 23/32	(577)	4.57	(0.42)	5.52	(0.51)	6.46	(0.60)	7.41	(0.69)
30	2-4 23/32	(729)	5.78	(0.54)	6.97	(0.65)	8.17	(0.76)	9.37	(0.87)
36	2-10 23/32	(882)	6.99	(0.65)	8.43	(0.78)	9.88	(0.92)	11.33	(1.05)
40	3-4 23/32	(1034)	8.19	(0.76)	9.89	(0.92)	11.59	(1.08)	13.28	(1.23)
46	3-10 23/32	(1187)	9.40	(0.87)	11.35	(1.05)	13.29	(1.23)	15.24	(1.42)
50	4-4 23/32	(1339)	10.61	(0.99)	12.80	(1.19)	15.00	(1.39)	17.20	(1.60)
56	4-10 23/32	(1491)	11.82	(1.10)	14.26	(1.32)	16.71	(1.55)	19.15	(1.78)
60	5-4 23/32	(1644)	13.02	(1.21)	15.72	(1.46)	18.42	(1.71)	21.11	(1.96)
			Tall Bottom Rail							
20	1-3 53/64	(402)	3.18	(0.30)	3.84	(0.36)	4.50	(0.42)	5.16	(0.48)
26	1-9 53/64	(554)	4.39	(0.41)	5.30	(0.49)	6.21	(0.58)	7.12	(0.66)
30	2-3 53/64	(707)	5.60	(0.52)	6.76	(0.63)	7.92	(0.74)	9.08	(0.84)
36	2-9 53/64	(859)	6.81	(0.63)	8.22	(0.76)	9.63	(0.89)	11.03	(1.03)
40	3-3 53/64	(1012)	8.01	(0.74)	9.67	(0.90)	11.33	(1.05)	12.99	(1.21)
46	3-9 53/64	(1164)	9.22	(0.86)	11.13	(1.03)	13.04	(1.21)	14.95	(1.39)
50	4-3 53/64	(1316)	10.43	(0.97)	12.59	(1.17)	14.75	(1.37)	16.91	(1.57)
56	4-9 53/64	(1469)	11.64	(1.08)	14.05	(1.30)	16.46	(1.53)	18.86	(1.75)
60	5-3 53/64	(1621)	12.84	(1.19)	15.50	(1.44)	18.16	(1.69)	20.82	(1.93)

Clad Ultimate Glider Picture Daylight Opening Measurements			Width					
		CN	50		56		60	
		DLO	4-4 63/64	(1346)	4-10 63/64	(1498)	5-4 63/64	(1650)
CN	DLO Height		Standard Bottom Rail					
			ft^2	m^2	ft^2	m^2	ft^2	m^2
20	1-4 23/32	(425)	6.15	(0.57)	6.85	(0.64)	7.54	(0.70)
26	1-10 23/32	(577)	8.36	(0.78)	9.30	(0.86)	10.25	(0.95)
30	2-4 23/32	(729)	10.56	(0.98)	11.76	(1.09)	12.96	(1.20)
36	2-10 23/32	(882)	12.77	(1.19)	14.22	(1.32)	15.66	(1.46)
40	3-4 23/32	(1034)	14.98	(1.39)	16.68	(1.55)	18.37	(1.71)
46	3-10 23/32	(1187)	17.19	(1.60)	19.13	(1.78)	21.08	(1.96)
50	4-4 23/32	(1339)	19.39	(1.80)	21.59	(2.01)	23.79	(2.21)
56	4-10 23/32	(1491)	21.60	(2.01)	24.05	(2.23)	26.49	(2.46)
60	5-4 23/32	(1644)	23.81	(2.21)	26.51	(2.46)	29.20	(2.71)
			Tall Bottom Rail					
20	1-3 53/64	(402)	5.82	(0.54)	6.48	(0.60)	7.14	(0.66)
26	1-9 53/64	(554)	8.03	(0.75)	8.94	(0.83)	9.85	(0.91)
30	2-3 53/64	(707)	10.24	(0.95)	11.40	(1.06)	12.56	(1.17)
36	2-9 53/64	(859)	12.44	(1.16)	13.85	(1.29)	15.26	(1.42)
40	3-3 53/64	(1012)	14.65	(1.36)	16.31	(1.52)	17.97	(1.67)
46	3-9 53/64	(1164)	16.86	(1.57)	18.77	(1.74)	20.68	(1.92)
50	4-3 53/64	(1316)	19.07	(1.77)	21.23	(1.97)	23.39	(2.17)
56	4-9 53/64	(1469)	21.27	(1.98)	23.68	(2.20)	26.09	(2.42)
60	5-3 53/64	(1621)	23.48	(2.18)	26.14	(2.43)	28.80	(2.68)

Minimum and Maximum Guidelines

Certified Full Frame Minimum and Maximum Frame Size											
Unit Type		Min Width		Min Height		Max Width		Max Height		Glass Size	
		in	mm	in	mm	in	mm	in	mm	Sq. Ft.	Sq. Meters
CUGL	XO, OX, XX	29 1/2	(749)	17 1/2	(445)	71 1/2	(1816)	71 1/2	(1816)	10	0.929
CUGL	XOX	71 1/2	(1816)	17 1/2	(445)	119 1/2	(3035)	71 1/2	(1816)	9	0.8361
CUGLP	O	14	(356)	17 1/2	(445)	71 1/2	(1816)	71 1/2	(1816)	49	4.5521

Non Certified Full Frame - Max Frame Size					
Unit Type		Max Width		Max Height	
		in	mm	in	mm
CUGL	XO, OX, XX	86	(2184)	74	(1880)
		96	(2438)	60	(1524)
		108	(2743)	48	(1219)
		120	(3048)	36	(914)
CUGL	XOX	120	(3048)	74	(1880)
CUGLP	0	65	(1651)	74	(1880)
		78	(1981)	65	(1651)

Non Standard Frame size					
Unit Type		Min Width		Max Height	
		in	mm	in	mm
CUGL	XO, OX, XX	23 1/2	(597)	35 1/2	(902)
CUGL	XOX	60	(1524)	35 1/2	(902)

Certified Sizes and Ratings: XO, OX, XX

Product	Air Tested to psf	Water Tested to psf	Structural Tested to psf	Certification Rating	Design Pressure (DP)	Max Overall Width	Max Overall Height
Clad Ultimate Glider 6050 XO, OX	1.57	7.5	75	LC-PG50-HS	50	71 1/2"	59 1/2"
Clad Ultimate Glider 6060 XO, OX	1.57	7.5	60	LC-PG40-HS	40	71 1/2"	71 1/2"
Clad Ultimate Glider 6046 XX	1.57	7.5	75	LC-PG50-HS	50	71 1/2"	53 1/2"
Clad Ultimate Glider 6060 XX	1.57	5.25	52.5	LC-PG35-HS	35	71 1/2"	71 1/2"
Glad Ultimate Glider 6060 (O)	1.57	7.5	60	LC-PG40-FW	40	71 1/2"	71 1/2"
Clad Ultimate Glider (XOX)	1.57	5.25	52.5	LC-PG35-HS	35	71 1/2"	71 1/2"

Measurement Conversions: XO, OX, XX

Unit Measurements		Width OX, XO, XX			Height	
From	To					
Rough Opening			**in**	**mm**	**in**	**mm**
OM of Frame	Rough Opening		+ 1	(13)	+ 1/2	(13)
Masonry Opening	Rough Opening		+ 1/2	(06)	+ 1/4	(06)
Masonry Opening w/BMC	Rough Opening		-2 1/8	(27)	-1 11/16	(43)
Masonry Opening w/Flat Casing	Rough Opening		-5 1/2	(70)	-3 3/8	(86)
Sash			**in**	**mm**	**in**	**mm**
OM of Frame	OM of Primary Sash	÷ 2	-1/2	(13)	-3 1/4	(83)
OM of Frame	OM of Secondary Sash	÷ 2	-2 1/32	(13)	-3 1/4	(83)
Daylight Opening Opening	OM of Primary Sash		+ 3 31/32	(101)	+ 3 17/32	(90)
Daylight Opening Opening	OM of Secondary Sash		+ 5 45/64	(100)	+ 3 17/32	(90)
Glass			**in**	**mm**	**in**	**mm**
Daylight Opening Opening	Glass		+ 1 1/16	(14)	+ 1 1/16	(27)
Primary Full Screen (Dual)			**in**	**mm**	**in**	**mm**
OM of Frame	OM of Screen Frame	÷ 2	+ 19/32	(15)	-2 17/64	(58)
Daylight Opening Opening	OM of Screen Frame		+ 3 7/8	(57)	+ 4 17/32	(115)
Secondary Full Screen (Dual)			**in**	**mm**	**in**	**mm**
OM of Frame	OM of Screen Frame	÷ 2	+ 19/32	(15)	-2 17/64	(58)
Daylight Opening Opening	OM of Screen Frame		+ 3 7/8	(57)	+ 4 17/32	(115)
Active 1/2 Screen			**in**	**mm**	**in**	**mm**
OM of Frame	OM of Screen Frame	÷ 2	+ 19/32	(15)	-2 17/64	(58)
Daylight Opening Opening	OM of Screen Frame		+ 3 7/8	(57)	+ 4 17/32	(115)
Combo			**in**	**mm**	**in**	**mm**
OM of Frame	OM of Combo Frame		-2 1/8	(54)	-2 5/32	(55)
Daylight Opening Opening	OM of Combo Frame	× 2	+ 10 13/32	(176)	+ 4 41/64	(118)

Measurement Conversions: XOX and Picture

Unit Measurements		Width XOX			Height	
From	To					
Rough Opening			**in**	**mm**	**in**	**mm**
OM of Frame	Rough Opening		+ 1	(25)	+ 1/2	(13)
Masonry Opening	Rough Opening		+ 1/2	(13)	+ 1/4	(06)
Masonry Opening w/BMC	Rough Opening		-2 1/8	(54)	-1 11/16	(43)
Masonry Opening w/Flat Casing	Rough Opening		-5 1/2	(140)	-3 3/8	(86)
Sash			**in**	**mm**	**in**	**mm**
OM of Frame	OM of Primary Sash	÷ 4	-5/8	(16)	-3 1/4	(83)
OM of Frame	OM of Secondary Sash	÷ 2	+ 11/16	(18)	-3 1/4	(83)
Daylight Opening Opening	OM of Primary Sash		+ 3 31/32	(101)	+ 3 17/32	(90)
Daylight Opening Opening	OM of Secondary Sash		+ 4 23/64	(111)	+ 3 17/32	(90)
Glass			**in**	**mm**	**in**	**mm**
Daylight Opening Opening	Glass		+ 1 1/16	(27)	+ 1 1/16	(27)
Active 1/2 Screen			**in**	**mm**	**in**	**mm**
Daylight Opening Opening	OM of Screen Frame		+ 3 7/8	(98)	+ 4 17/32	(115)
Combo			**in**	**mm**	**in**	**mm**
OM of Frame	OM of Combo Frame		-2 1/64	(51)	-2 5/32	(55)
Daylight Opening Opening	OM of Combo Frame	× 4	+ 16 25/64	(416)	+ 4 41/64	(118)

Unit Measurements		Width O		Height	
From	To				
Rough Opening		**in**	**mm**	**in**	**mm**
OM of Frame	Rough Opening	+ 1	(25)	+ 1/2	(13)
Masonry Opening	Rough Opening	+ 1/2	(13)	+ 1/4	(06)
Masonry Opening w/BMC	Rough Opening	-2 1/8	(54)	-1 11/16	(43)
Masonry Opening w/Flat Casing	Rough Opening	-5 1/2	(140)	-3 3/8	(86)
Sash		**in**	**mm**	**in**	**mm**
OM of Frame	OM of Sash	-3	(76)	-1 33/64	(38)
Daylight Opening Opening	OM of Sash	+ 3 17/32	(90)	+ 1 49/64	(45)
Glass		**in**	**mm**	**in**	**mm**
Daylight Opening Opening	Glass	+ 1 1/16	(27)	+ 17/32	(14)

Measurement Conversions

Clear Opening: XO, OX, XX

Clear Opening Width = (Frame OM Width / 2) - 3 7/16" (87)

Clear Opening Height = Frame OSM Height - 4 7/32" (107)

Clear Opening Area (ft. ^2) = (Clear Opening Width x Clear Opening Height) / 144

Clear Opening: XOX (1/4, 1/2, 1/4)

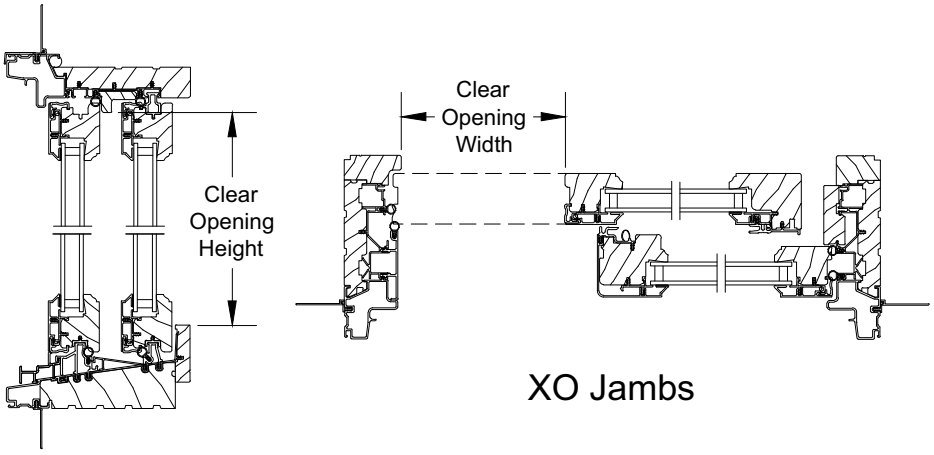
Vent Opening Width = (Frame OM Width / 4) - 2 27/32" (72)

Vent Opening:

Vent Opening Width = Daylight Opening Width of the operating sash + 1 1/32" (26)

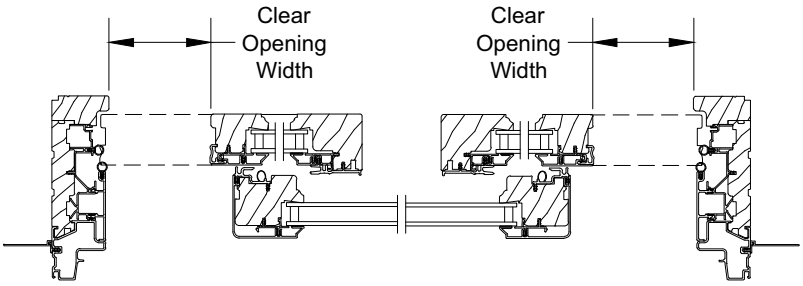
Vent Opening Height = Daylight Opening Height of the operating sash (standard bottom rail unit) + 2 9/16 (65)

Vent Opening Height = Daylight Opening Height of the operating sash (tall bottom rail unit) + 3 7/16" (87)



Head Jamb and Sill

XO Jambs



XOX Jambs

Standard Unit Measurements: XO, OX, XX, XOX

Standard Glider Unit Measurements - XO, OX, XX								
Width								
CN	Masonry Opening		Rough Opening		Frame Size		Daylight Opening Opening	
	ft - in	mm	ft - in	mm	ft - in	mm	in	mm
30	3-0	(914)	3-0 1/2	(927)	2-11 1/2	(902)	13 9/32	(337)
36	3-6	(1067)	3-6 1/2	(1080)	3-5 1/2	(1054)	16 9/32	(413)
40	4-0	(1219)	4-0 1/2	(1232)	3-11 1/2	(1207)	19 9/32	(490)
46	4-6	(1372)	4-6 1/2	(1384)	4-5 1/2	(1359)	22 9/32	(566)
50	5-0	(1524)	5-0 1/2	(1537)	4-11 1/2	(1511)	25 9/32	(642)
56	5-6	(1676)	5-6 1/2	(1689)	5-5 1/2	(1664)	28 9/32	(718)
60	6-0	(1829)	6-0 1/2	(1842)	5-11 1/2	(1816)	31 9/32	(794)

Standard Glider Unit Measurements - XO, OX, XX										
Height										
CN	Masonry Opening		Rough Opening		Frame Size		Daylight Opening (Std. Bottom Rail)		Daylight Opening (Tall Bottom Rail)	
	ft - in	mm	ft - in	mm	ft - in	mm	in	mm	in	mm
20	1-11 3/4	(603)	2-0	(610)	1-11 1/2	(597)	16 23/32	(425)	17 25/32	(402)
26	2-5 3/4	(756)	2-6	(762)	2-5 1/2	(749)	22 23/32	(577)	23 25/32	(554)
30	2-11 3/4	(908)	3-0	(914)	2-11 1/2	(902)	28 23/32	(729)	29 25/32	(707)
36	3-5 3/4	(1060)	3-6	(1067)	3-5 1/2	(1054)	34 23/32	(882)	35 25/32	(859)
40	3-11 3/4	(1213)	4-0	(1219)	3-11 1/2	(1207)	40 23/32	(1034)	41 25/32	(1012)
46	4-5 3/4	(1365)	4-6	(1372)	4-5 1/2	(1359)	46 23/32	(1187)	47 25/32	(1164)
50	4-11 3/4	(1518)	5-0	(1524)	4-11 1/2	(1511)	52 23/32	(1339)	53 25/32	(1316)
56	5-5 3/4	(1670)	5-6	(1676)	5-5 1/2	(1664)	58 23/32	(1491)	59 25/32	(1469)
60	5-11 3/4	(1822)	6-0	(1829)	5-11 1/2	(1816)	64 23/32	(1644)	65 25/32	(1621)

Standard Glider Unit Measurements - XOX										
Width										
CN	Masonry Opening		Rough Opening		Frame Size		Daylight Opening Opening (Flanker Sash)		Daylight Opening Opening (Center Sash)	
	ft - in	mm	ft - in	mm	ft - in	mm	in	mm	in	mm
60	6-0	(1829)	6-0 1/2	(1842)	5-11 1/2	(1816)	13 9/32	(337)	33 9/16	(853)
80	8-0	(2438)	8-0 1/2	(2451)	7-11 1/2	(2426)	19 9/32	(490)	45 9/16	(1157)
100	10-0	(3048)	10-0 1/2	(3061)	9-11 1/2	(3035)	25 9/32	(642)	57 9/16	(1462)

Standard Glider Unit Measurements - XOX										
Height										
CN	Masonry Opening		Rough Opening		Frame Size		Daylight Opening (Std Bottom Rail)		Daylight Opening (Tall Bottom Rail)	
	ft - in	mm	ft - in	mm	ft - in	mm	in	mm	in	mm
20	1-11 3/4	(603)	2-0	(610)	1-11 1/2	(597)	16 23/32	(452)	15 53/64	(425)
26	2-5 3/4	(756)	2-6	(762)	2-5 1/2	(749)	22 23/32	(604)	21 53/64	(577)
30	2-11 3/4	(908)	3-0	(914)	2-11 1/2	(902)	28 23/32	(756)	27 53/64	(729)
36	3-5 3/4	(1060)	3-6	(1067)	3-5 1/2	(1054)	34 23/32	(909)	33 53/64	(882)
40	3-11 3/4	(1213)	4-0	(1219)	3-11 1/2	(1207)	40 23/32	(1061)	39 53/64	(1034)
46	4-5 3/4	(1365)	4-6	(1372)	4-5 1/2	(1359)	46 23/32	(1214)	45 53/64	(1187)
50	4-11 3/4	(1518)	5-0	(1524)	4-11 1/2	(1511)	52 23/32	(1366)	51 53/64	(1339)
56	5-5 3/4	(1670)	5-6	(1676)	5-5 1/2	(1664)	58 23/32	(1518)	57 53/64	(1491)
60	5-11 3/4	(1822)	6-0	(1829)	5-11 1/2	(1816)	64 23/32	(1671)	63 53/64	(1644)

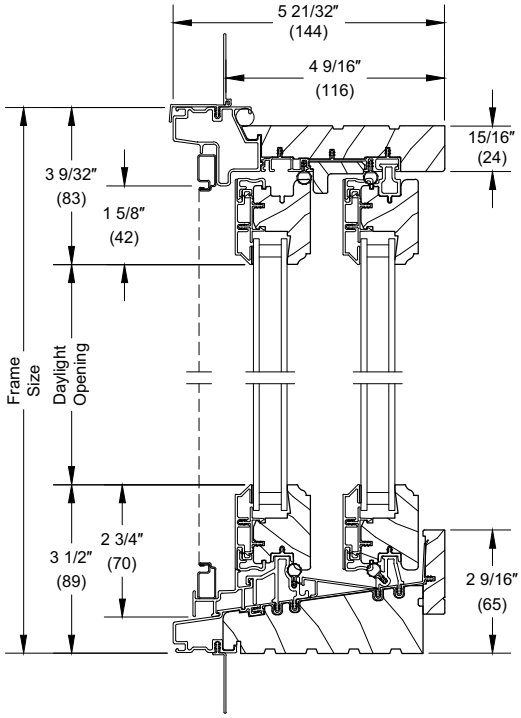
Standard Unit Measurements: Picture

Standard Glider Unit Measurements - O										
Width										
CN	Masonry Opening		Rough Opening		Frame Size		Sash OM		Daylight Opening	
	ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	in	mm
30	3-0	(914)	3-0 1/2	(927)	2-11 1/2	(902)	2-8 33/64	(826)	28 63/64	(736)
36	3-6	(1067)	3-6 1/2	(1080)	3-5 1/2	(1054)	3-2 33/64	(978)	34 63/64	(888)
40	4-0	(1219)	4-0 1/2	(1232)	3-11 1/2	(1207)	3-8 33/64	(1131)	40 63/64	(1041)
46	4-6	(1372)	4-6 1/2	(1384)	4-5 1/2	(1359)	4-2 33/64	(1283)	46 63/64	(1193)
50	5-0	(1524)	5-0 1/2	(1537)	4-11 1/2	(1511)	4-8 33/64	(1435)	52 63/64	(1346)
56	5-6	(1676)	5-6 1/2	(1689)	5-5 1/2	(1664)	5-2 33/64	(1588)	58 63/64	(1498)
60	6-0	(1829)	6-0 1/2	(1842)	5-11 1/2	(1816)	5-8 33/64	(1740)	64 63/64	(1650)

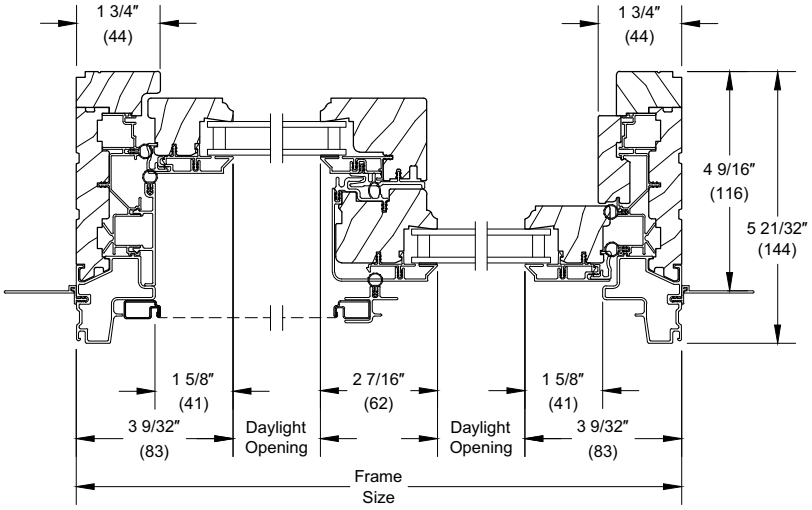
Standard Glider Unit Measurements - O										
Height										
CN	Masonry Opening		Rough Opening		Frame Size		Sash OM		Daylight Opening	
	ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	in	mm
20	1-11 3/4	(603)	2-0	(610)	1-11 1/2	(597)	1-8 1/4	(514)	16 23/32	(425)
26	2-5 3/4	(756)	2-6	(762)	2-5 1/2	(749)	2-2 1/4	(667)	22 23/32	(577)
30	2-11 3/4	(908)	3-0	(914)	2-11 1/2	(902)	2-8 1/4	(819)	28 23/32	(729)
36	3-5 3/4	(1060)	3-6	(1067)	3-5 1/2	(1054)	3-2 1/4	(972)	34 23/32	(882)
40	3-11 3/4	(1213)	4-0	(1219)	3-11 1/2	(1207)	3-8 1/4	(1124)	40 23/32	(1034)
46	4-5 3/4	(1365)	4-6	(1372)	4-5 1/2	(1359)	4-2 1/4	(1276)	46 23/32	(1187)
50	4-11 3/4	(1518)	5-0	(1524)	4-11 1/2	(1511)	4-8 1/4	(1429)	52 23/32	(1339)
56	5-5 3/4	(1670)	5-6	(1676)	5-5 1/2	(1664)	5-2 1/4	(1581)	58 23/32	(1491)
60	5-11 3/4	(1822)	6-0	(1829)	5-11 1/2	(1816)	5-8 1/4	(1734)	64 23/32	(1644)

Section Details: Operating/Triple Sash

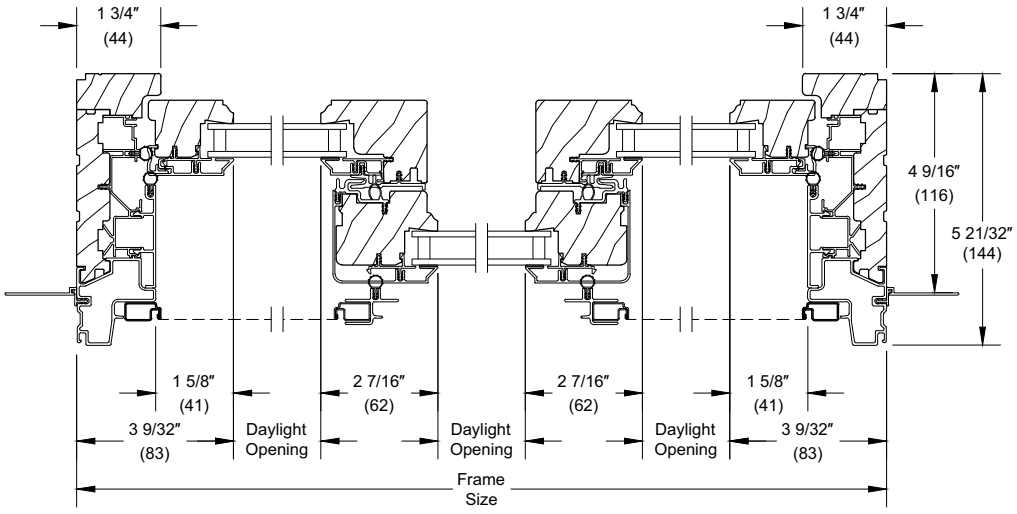
Scale: 3" = 1' 0"



Head Jamb and Sill



XO Jambs

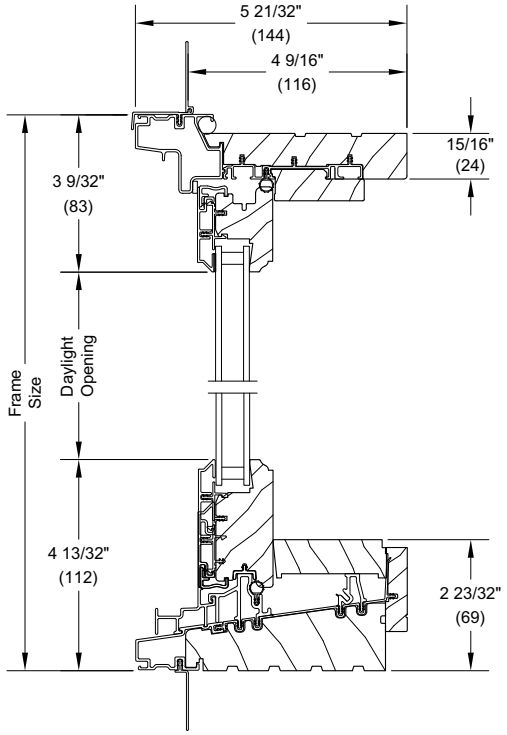


XOX Jambs

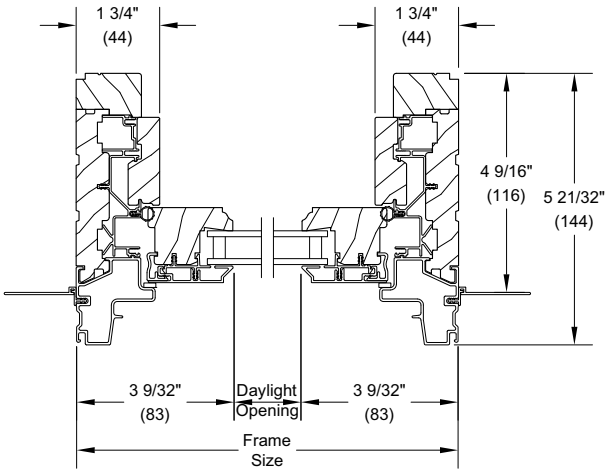
Section Details: Picture w/Tall Bottom Rail and Casing Options

Scale: 3" = 1' 0"

Picture

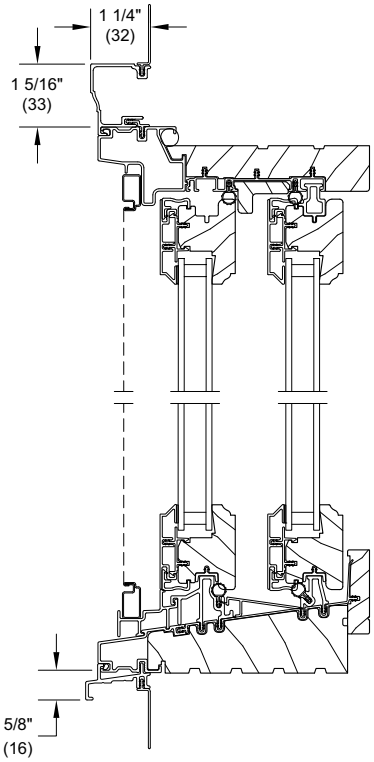


Head Jamb and Sill

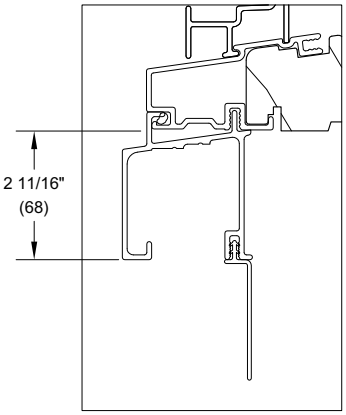


Jambs

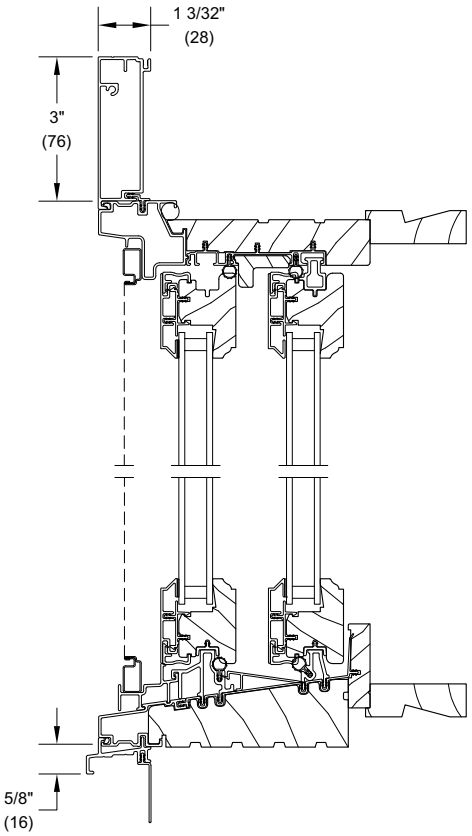
Casing Options



Head Jamb and Sill with
Clad Brick Mould Casing



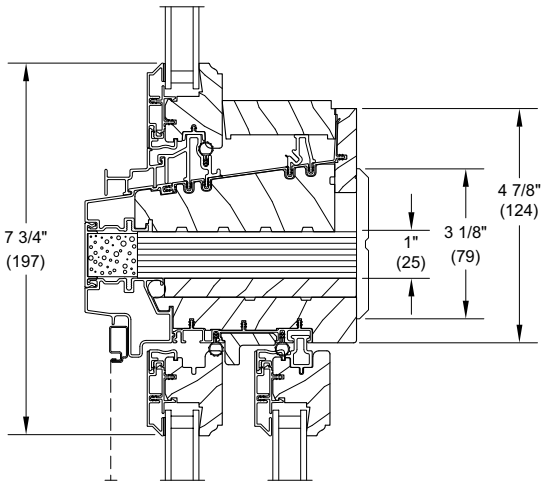
Sill with 2" (51)
extruded subsill



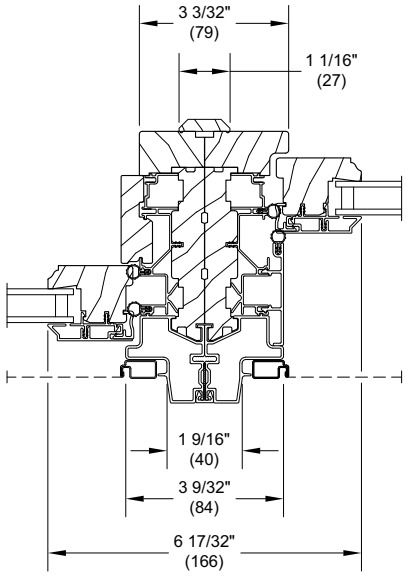
Clad Flat Casing

Section Details: Mullions

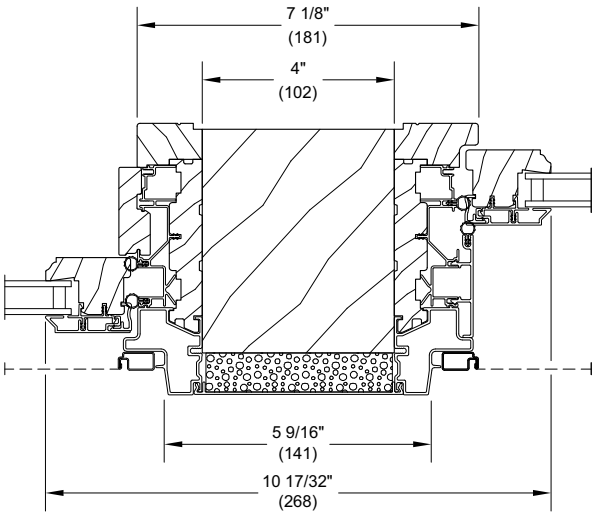
Scale: 3" = 1' 0"



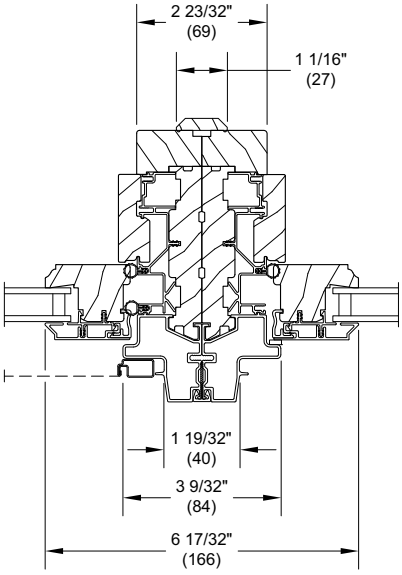
Horizontal Mullion - Picture/Operator



Vertical Mullion-Operator/Operator



Horizontal Mullion - 4" Space Mull



Vertical Mullion-Operator/Picture