

Wood Ultimate Glider

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Wood Ultimate Glider

Unit Features

Wood Ultimate Glider: WUGL

Wood Ultimate Glider Triple Sash: WUGLTS

Wood Ultimate Glider Picture: WUGLP

NOTE: Wood Ultimate Glider is not available with CE mark.

Frame:

- Frame base with pre-drilled installation holes in jambs. Factory applied 2" (51) BMC and 15/16" (24) subsill is standard.
- Exterior frame thickness: Nominally at Head Jamb 15/16" (24), Side Jamb Operator 1 3/4" (44) Side Jamb Stationary 1 11/32" (34).
- Exterior and interior: Standard is treated Pine Bare Wood. Optional species available are Mahogany or Vertical Grain Douglas Fir.
- Available configurations: WUGL (XO/OX, O) and WUGLTS (XOX).

Sash:

- Sash thickness: Nominally 1 5/8" (41).
- Rails and jamb stiles 1 3/4" (44), primary meeting stile 1 3/6" (30) secondary meeting stile 2" (51).
- Standard rail is 1 3/4" (44). The optional tall bottom rail is 2 5/8" (67)
- Standard sticking profile to interior is Ogee and simulated putty glaze to exterior. Optional interior Square sticking.
- Exterior and Interior: Standard is treated Pine Bare Wood. Optional species available are Mahogany and Vertical Grain Douglas Fir.
- XO and OX configurations contain a stationary sash and an operating sash that moves horizontally.
- XOX configuration contains an operator sash to each side of a stationary center sash.
- O configuration contains a single inoperable sash.
- 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 operating 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.
- 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, Matte Black, 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.
- The standard color of the handle is Satin Taupe. Optional finishes are: White, Bronze, Matte Black, Brass, Antique Brass, Polished Chrome, Satin Chrome, Oil Rubbed Bronze and Satin Nickel.

Weather Strip:

- Exterior frame weather strip is bulb type. The standard color is Beige with White and Black available at customer request.
- Interior weather strip is Beige by default, customer can request White.

Wood Ultimate Glider

Unit Features Continued

Insect Screens:

- The standard screen is roll formed aluminum and fits over the active sash only for XO and OX operating units. No full unit screen configuration is available.
- Colors available: Pebble Gray, Bahama Brown, Evergreen, Bronze, Stone White, Ebony, Cobalt Blue, Wineberry, Coconut Cream, Hampton Sage, Cashmere, Sherwood Green, Sierra White, Cadet Gray, Cascade Blue, Copper (pearlescent), Silver (pearlescent), Clay, Gunmetal, Liberty Bronze (pearlescent), or Suede.
- XOX will have screens that cover the active sash opening, no full unit screen configuration is available.
- Screen mesh: Standard is Charcoal Fiberglass. Optional: Charcoal High Transparency Fiberglass Mesh, Charcoal Aluminum Wire, Black Aluminum Wire, Bright Aluminum Wire, or Bright Bronze Aluminum Wire.

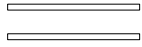
Wood Combination Storm Sash and Screen:

- Frame: White primed is standard; bare is optional.
- Storm Panel: Double strength glass in an extruded surround. Surround color: Stone White, Pebble Gray, Bronze, Bahama Brown, or Evergreen.
- Insect Screen mesh: Charcoal Fiberglass. 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.

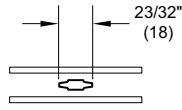
Glass:

- 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, decorative glass options 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.

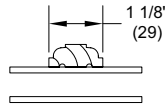
Standard Divided Lite Options



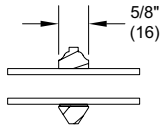
Insulating Glass



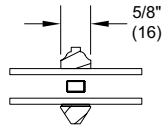
Aluminum 1 1/16"
Contour GBG



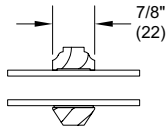
1 1/8" Grille



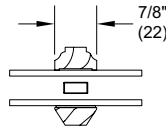
5/8" SDL



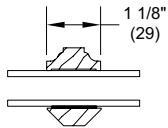
5/8" SDL
W/Spacer



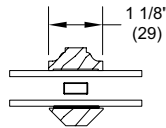
7/8" SDL



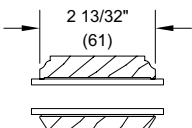
7/8" SDL
W/Spacer Bar



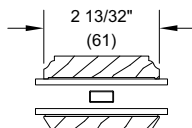
1 1/8" SDL



1 1/8" SDL
W/Spacer Bar

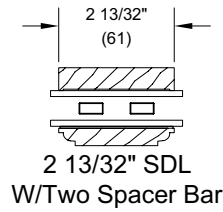
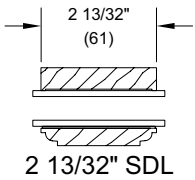
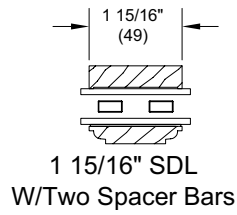
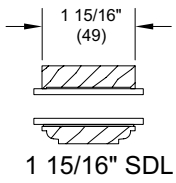
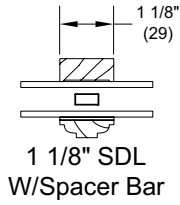
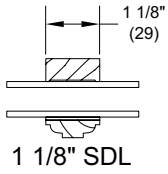
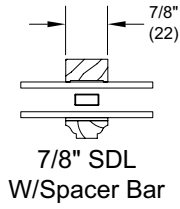
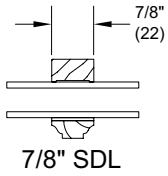
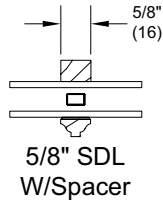
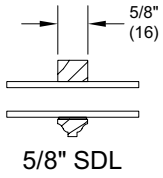


2 13/32" SDL



2 13/32" SDL
W/One Spacer Bar

Optional Interior Square Simulated Divided Lite



Egress and Vent Openings: XO/OX Configurations

CN	Clear Opening Width		Clear Opening Height		Egress /Vent Opening		CN	Clear Opening Width		Clear Opening Height		Egress/Vent Opening	
	ft - in	mm	ft - in	mm	ft ²	m ²		ft - in	mm	ft - in	mm	ft ²	m ²
3020	1-2 1/16	(357)	1-6 59/64	(481)	1.85	(0.17)	5020	2-2 1/16	(662)	1-6 59/64	(481)	3.43	(0.32)
3026	1-2 1/16	(357)	2-0 59/64	(633)	2.43	(0.23)	5026	2-2 1/16	(662)	2-0 59/64	(633)	4.51	(0.42)
3030	1-2 1/16	(357)	2-6 59/64	(786)	3.02	(0.28)	5030	2-2 1/16	(662)	2-6 59/64	(786)	5.60	(0.52)
3036	1-2 1/16	(357)	3-0 59/64	(938)	3.61	(0.34)	5036 E	2-2 1/16	(662)	3-0 59/64	(938)	6.68	(0.62)
3040	1-2 1/16	(357)	3-6 59/64	(1090)	4.19	(0.39)	5040 E	2-2 1/16	(662)	3-6 59/64	(1090)	7.77	(0.72)
3046	1-2 1/16	(357)	4-0 59/64	(1243)	4.78	(0.44)	5046 E	2-2 1/16	(662)	4-0 59/64	(1243)	8.86	(0.82)
3050	1-2 1/16	(357)	4-6 59/64	(1395)	5.37	(0.50)	5050 E	2-2 1/16	(662)	4-6 59/64	(1395)	9.94	(0.92)
3056	1-2 1/16	(357)	5-0 59/64	(1548)	5.95	(0.55)	5056 E	2-2 1/16	(662)	5-0 59/64	(1548)	11.03	(1.02)
3060	1-2 1/16	(357)	5-6 59/64	(1700)	6.54	(0.61)	5060 E	2-2 1/16	(662)	5-6 59/64	(1700)	12.11	(1.13)
3620	1-5 1/16	(433)	1-6 59/64	(481)	2.24	(0.21)	5620	2-5 1/16	(738)	1-6 59/64	(481)	3.82	(0.35)
3626	1-5 1/16	(433)	2-0 59/64	(633)	2.95	(0.27)	5626	2-5 1/16	(738)	2-0 59/64	(633)	5.03	(0.47)
3630	1-5 1/16	(433)	2-6 59/64	(786)	3.67	(0.34)	5630 E	2-5 1/16	(738)	2-6 59/64	(786)	6.24	(0.58)
3636	1-5 1/16	(433)	3-0 59/64	(938)	4.38	(0.41)	5636 E	2-5 1/16	(738)	3-0 59/64	(938)	7.45	(0.69)
3640	1-5 1/16	(433)	3-6 59/64	(1090)	5.09	(0.47)	5640 E	2-5 1/16	(738)	3-6 59/64	(1090)	8.66	(0.80)
3646	1-5 1/16	(433)	4-0 59/64	(1243)	5.80	(0.54)	5646 E	2-5 1/16	(738)	4-0 59/64	(1243)	9.88	(0.92)
3650	1-5 1/16	(433)	4-6 59/64	(1395)	6.51	(0.60)	5650 E	2-5 1/16	(738)	4-6 59/64	(1395)	11.09	(1.03)
3656	1-5 1/16	(433)	5-0 59/64	(1548)	7.22	(0.67)	5656 E	2-5 1/16	(738)	5-0 59/64	(1548)	12.30	(1.14)
3660	1-5 1/16	(433)	5-6 59/64	(1700)	7.93	(0.74)	5660 E	2-5 1/16	(738)	5-6 59/64	(1700)	13.51	(1.25)
4020	1-8 1/16	(510)	1-6 59/64	(481)	2.64	(0.25)	6020	2-8 1/16	(586)	1-6 59/64	(481)	4.21	(0.39)
4026	1-8 1/16	(510)	2-0 59/64	(633)	3.47	(0.32)	6026	2-8 1/16	(586)	2-0 59/64	(633)	5.55	(0.52)
4030	1-8 1/16	(510)	2-6 59/64	(786)	4.31	(0.40)	6030 E	2-8 1/16	(586)	2-6 59/64	(786)	6.89	(0.64)
4036	1-8 1/16	(510)	3-0 59/64	(938)	5.15	(0.48)	6036 E	2-8 1/16	(586)	3-0 59/64	(938)	8.22	(0.76)
4040 E	1-8 1/16	(510)	3-6 59/64	(1090)	5.98	(0.56)	6040 E	2-8 1/16	(586)	3-6 59/64	(1090)	9.56	(0.89)
4046 E	1-8 1/16	(510)	4-0 59/64	(1243)	6.82	(0.63)	6046 E	2-8 1/16	(586)	4-0 59/64	(1243)	10.90	(1.01)
4050 E	1-8 1/16	(510)	4-6 59/64	(1395)	7.65	(0.71)	6050 E	2-8 1/16	(586)	4-6 59/64	(1395)	12.23	(1.14)
4056 E	1-8 1/16	(510)	5-0 59/64	(1548)	8.49	(0.79)	6056 E	2-8 1/16	(586)	5-0 59/64	(1548)	13.57	(1.26)
4060 E	1-8 1/16	(510)	5-6 59/64	(1700)	9.33	(0.87)	6060 E	2-8 1/16	(586)	5-6 59/64	(1700)	14.90	(1.38)
4620	1-11 1/16	(586)	1-6 59/64	(481)	3.03	(0.28)							
4626	1-11 1/16	(586)	2-0 59/64	(633)	3.99	(0.37)							
4630	1-11 1/16	(586)	2-6 59/64	(786)	4.95	(0.46)							
4636 E	1-11 1/16	(586)	3-0 59/64	(938)	5.91	(0.55)							
4640 E	1-11 1/16	(586)	3-6 59/64	(1090)	6.88	(0.64)							
4646 E	1-11 1/16	(586)	4-0 59/64	(1243)	7.84	(0.73)							
4650 E	1-11 1/16	(586)	4-6 59/64	(1395)	8.80	(0.82)							
4656 E	1-11 1/16	(586)	5-0 59/64	(1548)	9.76	(0.91)							
4660 E	1-11 1/16	(586)	5-6 59/64	(1700)	10.72	(1.00)							

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 Configuration

Wood Ultimate Glider Daylight Measurements OX, XO			Width						
			CN	30		36		40	
			DLO	2-2 35/64	(674)	2-8 35/64	(827)	3-2 35/64	(979)
CN	DLO Height		Standard Bottom Rail						
			ft ²	m ²	ft ²	m ²	ft ²	m ²	
20	1-4 23/32	(425)	3.08	(0.29)	3.78	(0.35)	4.47	(0.42)	
26	1-10 23/32	(577)	4.19	(0.39)	5.13	(0.48)	6.08	(0.56)	
30	2-4 23/32	(729)	5.29	(0.49)	6.49	(0.60)	7.69	(0.71)	
36	2-10 23/32	(882)	6.40	(0.59)	7.85	(0.73)	9.29	(0.86)	
40	3-4 23/32	(1034)	7.51	(0.70)	9.20	(0.85)	10.90	(1.01)	
46	3-10 23/32	(1187)	8.61	(0.80)	10.56	(0.98)	12.51	(1.16)	
50	4-4 23/32	(1339)	9.72	(0.90)	11.91	(1.11)	14.11	(1.31)	
56	4-10 23/32	(1491)	10.82	(1.01)	13.27	(1.23)	15.72	(1.46)	
60	5-4 23/32	(1644)	11.93	(1.11)	14.63	(1.36)	17.32	(1.61)	
CN	DLO Height		Tall Bottom Rail						
			ft ²	m ²	ft ²	m ²	ft ²	m ²	
20	1-3 53/64	(402)	2.92	(0.27)	3.58	(0.33)	4.24	(0.39)	
26	1-9 53/64	(554)	4.02	(0.37)	4.93	(0.46)	5.84	(0.54)	
30	2-3 53/64	(707)	5.13	(0.48)	6.29	(0.58)	7.45	(0.69)	
36	2-9 53/64	(859)	6.24	(0.58)	7.65	(0.71)	9.05	(0.84)	
40	3-3 53/64	(1012)	7.34	(0.68)	9.0	(0.84)	10.66	(0.99)	
46	3-9 53/64	(1164)	8.45	(0.78)	10.36	(0.96)	12.27	(1.14)	
50	4-3 53/64	(1316)	9.55	(0.89)	11.71	(1.09)	13.87	(1.29)	
56	4-9 53/64	(1469)	10.66	(0.99)	13.07	(1.21)	15.48	(1.44)	
60	5-3 53/64	(1621)	11.77	(1.09)	14.43	(1.34)	17.09	(1.59)	

Wood Ultimate Glider Daylight Measurements OX, XO			Width								
			CN	46		50		56		60	
			DLO	3-8 35/64	(1132)	4-2 35/64	(1284)	4-8 35/64	(1436)	5-2 35/64	(1589)
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)	5.17	(0.48)	5.87	(0.55)	6.56	(0.61)	7.26	(0.67)	
26	1-10 23/32	(577)	7.03	(0.65)	7.97	(0.74)	8.92	(0.83)	9.87	(0.92)	
30	2-4 23/32	(729)	8.88	(0.83)	10.08	(0.94)	11.28	(1.05)	12.47	(1.16)	
36	2-10 23/32	(882)	10.74	(1.00)	12.19	(1.13)	13.63	(1.27)	15.08	(1.40)	
40	3-4 23/32	(1034)	12.60	(1.17)	14.29	(1.33)	15.99	(1.49)	17.68	(1.64)	
46	3-10 23/32	(1187)	14.45	(1.34)	16.40	(1.52)	18.34	(1.70)	20.29	(1.89)	
50	4-4 23/32	(1339)	16.31	(1.51)	18.50	(1.72)	20.70	(1.92)	22.90	(2.13)	
56	4-10 23/32	(1491)	18.16	(1.69)	20.61	(1.91)	23.06	(2.14)	25.50	(2.37)	
60	5-4 23/32	(1644)	20.02	(1.86)	22.72	(2.11)	25.41	(2.36)	28.11	(2.61)	
CN	DLO Height		Wide Bottom Rail								
			ft ²	m ²	ft ²	m ²	ft ²	m ²	ft ²	m ²	
20	1-3 53/64	(402)	4.90	(0.45)	5.55	(0.52)	6.21	(0.58)	6.87	(0.64)	
26	1-9 53/64	(554)	6.75	(0.63)	7.66	(0.71)	8.57	(0.80)	9.48	(0.88)	
30	2-3 53/64	(707)	8.61	(0.80)	9.77	(0.91)	10.93	(1.02)	12.09	(1.12)	
36	2-9 53/64	(859)	10.46	(0.97)	11.87	(1.10)	13.28	(1.23)	14.69	(1.36)	
40	3-3 53/64	(1012)	12.32	(1.14)	13.98	(1.30)	15.64	(1.45)	17.30	(1.61)	
46	3-9 53/64	(1164)	14.18	(1.32)	16.09	(1.49)	18.0	(1.67)	19.90	(1.85)	
50	4-3 53/64	(1316)	16.03	(1.49)	18.19	(1.69)	20.35	(1.89)	22.51	(2.09)	
56	4-9 53/64	(1469)	17.89	(1.66)	20.30	(1.89)	22.71	(2.11)	25.12	(2.33)	
60	5-3 53/64	(1621)	19.74	(1.83)	22.40	(2.08)	25.06	(2.33)	27.72	(2.58)	

Egress and Vent Openings: XOX - Configuration

CN	Clear Opening Width		Clear Opening Height		Egress Opening	
	ft - in	mm	ft - in	mm	ft ²	m ²
6020	1-2 47/64	(374)	1-6 59/64	(481)	1.94	(0.18)
6026	1-2 47/64	(374)	2-0 59/64	(633)	2.55	(0.24)
6030	1-2 47/64	(374)	2-6 59/64	(786)	3.16	(0.29)
6036	1-2 47/64	(374)	3-0 59/64	(938)	3.78	(0.35)
6040	1-2 47/64	(374)	3-6 59/64	(1090)	4.39	(0.41)
6046	1-2 47/64	(374)	4-0 59/64	(1243)	5.01	(0.47)
6050	1-2 47/64	(374)	4-6 59/64	(1395)	5.62	(0.52)
6056	1-2 47/64	(374)	5-0 59/64	(1548)	6.23	(0.58)
6060	1-2 47/64	(374)	5-6 59/64	(1700)	6.85	(0.64)
8020	1-8 47/64	(527)	1-6 59/64	(481)	2.73	(0.25)
8026	1-8 47/64	(527)	2-0 59/64	(633)	3.59	(0.33)
8030	1-8 47/64	(527)	2-6 59/64	(786)	4.45	(0.41)
8036	1-8 47/64	(527)	3-0 59/64	(938)	5.32	(0.49)
8040	E 1-8 47/64	(527)	3-6 59/64	(1090)	6.18	(0.57)
8046	E 1-8 47/64	(527)	4-0 59/64	(1243)	7.05	(0.65)
8050	E 1-8 47/64	(527)	4-6 59/64	(1395)	7.91	(0.73)
8056	E 1-8 47/64	(527)	5-0 59/64	(1548)	8.77	(0.81)
8060	E 1-8 47/64	(527)	5-6 59/64	(1700)	9.64	(0.90)
10020	2-2 47/64	(679)	1-6 59/64	(481)	3.51	(0.33)
10026	2-2 47/64	(679)	2-0 59/64	(633)	4.63	(0.43)
10030	E 2-2 47/64	(679)	2-6 59/64	(786)	5.74	(0.53)
10036	E 2-2 47/64	(679)	3-0 59/64	(938)	6.86	(0.64)
10040	E 2-2 47/64	(679)	3-6 59/64	(1090)	7.97	(0.74)
10046	E 2-2 47/64	(679)	4-0 59/64	(1243)	9.08	(0.84)
10050	E 2-2 47/64	(679)	4-6 59/64	(1395)	10.20	(0.95)
10056	E 2-2 47/64	(679)	5-0 59/64	(1548)	11.31	(1.05)
10060	E 2-2 47/64	(679)	5-6 59/64	(1700)	12.43	(1.15)

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)	1-6 59/64	(481)	3.95	(0.37)
6026	2-6 1/16	(764)	2-0 59/64	(633)	5.21	(0.48)
6030	2-6 1/16	(764)	2-6 59/64	(786)	6.46	(0.60)
6036	2-6 1/16	(764)	3-0 59/64	(938)	7.71	(0.72)
6040	2-6 1/16	(764)	3-6 59/64	(1090)	8.96	(0.83)
6046	2-6 1/16	(764)	4-0 59/64	(1243)	10.22	(0.95)
6050	2-6 1/16	(764)	4-6 59/64	(1395)	11.47	(1.07)
6056	2-6 1/16	(764)	5-0 59/64	(1548)	12.72	(1.18)
6060	2-6 1/16	(764)	5-6 59/64	(1700)	13.98	(1.30)
8020	3-6 1/16	(1069)	1-6 59/64	(481)	5.53	(0.51)
8026	3-6 1/16	(1069)	2-0 59/64	(633)	7.28	(0.68)
8030	3-6 1/16	(1069)	2-6 59/64	(786)	9.04	(0.84)
8036	3-6 1/16	(1069)	3-0 59/64	(938)	10.79	(1.00)
8040	3-6 1/16	(1069)	3-6 59/64	(1090)	12.54	(1.17)
8046	3-6 1/16	(1069)	4-0 59/64	(1243)	14.29	(1.33)
8050	3-6 1/16	(1069)	4-6 59/64	(1395)	16.05	(1.49)
8056	3-6 1/16	(1069)	5-0 59/64	(1548)	17.80	(1.65)
8060	3-6 1/16	(1069)	5-6 59/64	(1700)	19.55	(1.82)
10020	4-6 1/16	(1373)	1-6 59/64	(481)	7.11	(0.66)
10026	4-6 1/16	(1373)	2-0 59/64	(633)	9.36	(0.87)
10030	4-6 1/16	(1373)	2-6 59/64	(786)	11.61	(1.08)
10036	4-6 1/16	(1373)	3-0 59/64	(938)	13.87	(1.29)
10040	4-6 1/16	(1373)	3-6 59/64	(1090)	16.12	(1.50)
10046	4-6 1/16	(1373)	4-0 59/64	(1243)	18.37	(1.71)
10050	4-6 1/16	(1373)	4-6 59/64	(1395)	20.62	(1.92)
10056	4-6 1/16	(1373)	5-0 59/64	(1548)	22.88	(2.13)
10060	4-6 1/16	(1373)	5-6 59/64	(1700)	25.13	(2.33)

Daylight Measurements: XOX Configuration

Wood Ultimate Glider Daylight 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	1-4 23/32	(425)	6.98	(0.65)	9.76	(0.91)	12.55	(1.17)	
26	1-10 23/32	(577)	9.48	(0.88)	13.27	(1.23)	17.05	(1.58)	
30	2-4 23/32	(729)	11.99	(1.11)	16.77	(1.56)	21.56	(2.00)	
36	2-10 23/32	(882)	14.49	(1.35)	20.28	(1.88)	26.06	(2.42)	
40	3-4 23/32	(1034)	17.0	(1.58)	23.78	(2.21)	30.57	(2.84)	
46	3-10 23/32	(1187)	19.50	(1.81)	27.29	(2.54)	35.07	(3.26)	
50	4-4 23/32	(1339)	22.01	(2.04)	30.79	(2.86)	39.58	(3.68)	
56	4-10 23/32	(1491)	24.51	(2.28)	34.30	(3.19)	44.08	(4.10)	
60	5-4 23/32	(1644)	27.02	(2.51)	37.80	(3.51)	48.59	(4.51)	
			Tall Bottom Rail						
20	1-3 53/64	(402)	6.61	(0.61)	9.24	(0.86)	11.88	(1.10)	
26	1-9 53/64	(554)	9.11	(0.85)	12.75	(1.18)	16.39	(1.52)	
30	2-3 53/64	(707)	11.62	(1.08)	16.25	(1.51)	20.89	(1.94)	
36	2-9 53/64	(859)	14.12	(1.31)	19.76	(1.84)	25.40	(2.36)	
40	3-3 53/64	(1012)	16.63	(1.54)	23.26	(2.16)	29.90	(2.78)	
46	3-9 53/64	(1164)	19.13	(1.78)	26.77	(2.49)	34.41	(3.20)	
50	4-3 53/64	(1316)	21.64	(2.01)	30.27	(2.81)	38.91	(3.61)	
56	4-9 53/64	(1469)	24.14	(2.24)	33.78	(3.14)	43.42	(4.03)	
60	5-3 53/64	(1621)	26.65	(2.48)	37.28	(3.46)	47.92	(4.45)	

Daylight Measurements: Picture Unit

Wood Ultimate Glider Picture Daylight 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)	15.0	(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	1-5 25/32	(452)	3.18	(0.30)	3.84	(0.36)	4.50	(0.42)	5.16	(0.48)	
26	1-11 25/32	(604)	4.39	(0.41)	5.30	(0.49)	6.21	(0.58)	7.12	(0.66)	
30	2-5 25/32	(756)	5.60	(0.52)	6.76	(0.63)	7.92	(0.74)	9.08	(0.84)	
36	2-11 25/32	(909)	6.81	(0.63)	8.22	(0.76)	9.63	(0.89)	11.03	(1.03)	
40	3-5 25/32	(1061)	8.01	(0.74)	9.67	(0.90)	11.33	(1.05)	12.99	(1.21)	
46	3-11 25/32	(1214)	9.22	(0.86)	11.13	(1.03)	13.04	(1.21)	14.95	(1.39)	
50	4-5 25/32	(1366)	10.43	(0.97)	12.59	(1.17)	14.75	(1.37)	16.91	(1.57)	
56	4-11 25/32	(1518)	11.64	(1.08)	14.05	(1.30)	16.46	(1.53)	18.86	(1.75)	
60	5-5 25/32	(1671)	12.84	(1.19)	15.50	(1.44)	18.16	(1.69)	20.82	(1.93)	

Wood Ultimate Glider Picture Daylight 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	1-5 25/32	(452)	5.82	(0.54)	6.48	(0.60)	7.14	(0.66)	
26	1-11 25/32	(604)	8.03	(0.75)	8.94	(0.83)	9.85	(0.91)	
30	2-5 25/32	(756)	10.24	(0.95)	11.40	(1.06)	12.56	(1.17)	
36	2-11 25/32	(909)	12.44	(1.16)	13.85	(1.29)	15.26	(1.42)	
40	3-5 25/32	(1061)	14.65	(1.36)	16.31	(1.52)	17.97	(1.67)	
46	3-11 25/32	(1214)	16.86	(1.57)	18.77	(1.74)	20.68	(1.92)	
50	4-5 25/32	(1366)	19.07	(1.77)	21.23	(1.97)	23.39	(2.17)	
56	4-11 25/32	(1518)	21.27	(1.98)	23.68	(2.20)	26.09	(2.42)	
60	5-5 25/32	(1671)	23.48	(2.18)	26.14	(2.43)	28.80	(2.68)	

Minimum and Maximum Guidelines and Certified Sizes

Full Frame Minimum and Maximum Frame Size									
Unit Type		Min Width		Min Height		Max Width		Max Height	
		in	mm	in	mm	in	mm	in	mm
WUGL	XO, OX, XX	29 1/2	(749)	18 1/16	(459)	71 1/2	(1816)	72 1/16	(1830)
WUGL	XOX	71 1/2	(1816)	18 1/16	(459)	119 1/2	(3035)	72 1/16	(1830)
WUGLP	O	14	(356)	18 1/16	(459)	71 1/2	(1816)	72 1/16	(1830)

Product	Air Tested to psf	Water Tested to psf	Structural Tested to psf	Certification Rating	Design Pressure (DP)	Max Overall Width	Max Overall Height
Wood Ultimate Glider 6050 (XO, OX)	1.57	7.5	75	LC-PG50-HS	50	71 1/2"	60 1/16"
Wood Ultimate Glider 6060 (XO, OX)	1.57	7.5	60	LC-PG40-HS	40	71 1/2"	72 1/16"
Wood Ultimate Glider 6060 (O)	1.57	7.5	60	LC-PG40-FW	40	71 1/2"	72 1/16"
Wood Ultimate Glider 10060 (XOX)	1.57	5.25	52.5	LC-PG35-HS	35	119 1/2"	72 1/16"

Measurement Conversions: XO/OX and Picture Units

Unit Measurements - XO, OX Unit		Width OX, XO		Height		
From	To					
Rough Opening			in	mm	in	mm
OM of Frame	Rough Opening		+ 1	(25)	+ 1/2	(13)
Masonry Opening w/BMC	Rough Opening		-2 1/8	(54)	-1 1/16	(27)
Sash			in	mm	in	mm
OM of Frame	OM of Primary Sash	+ 2	+ 1/2	(13)	-3 13/16	(97)
OM of Frame	OM of Secondary Sash	+ 2	+ 31/32	(25)	-3 13/16	(97)
Daylight Opening	OM of Primary Sash		+ 3 31/32	(101)	+ 7 11/32	(187)
Daylight Opening	OM of Secondary Sash		+ 3 61/64	(100)	+ 3 17/32	(90)
Glass			in	mm	in	mm
Daylight Opening	Glass		+ 1 1/16	(27)	+ 1 1/16	(27)
Screen			in	mm	in	mm
OM of Frame	OM of Screen Frame	+ 2	+ 2 5/8	(67)	-3 1/2	(89)
Daylight Opening	OM of Screen Frame	+ 2	+ 1 55/64	(47)	-3 1/2	(89)
Combo			in	mm	in	mm
OM of Frame	OM of Combo Frame		-1 1/2	(38)	-1 17/32	(39)
Daylight Opening	OM of Combo Frame	× 2	+ 7 7/16	(189)	+ 5 13/16	(148)

Unit Measurements - Picture Unit		Width O		Height		
From	To					
Rough Opening			in	mm	in	mm
OM of Frame	Rough Opening		+ 1	(25)	+ 1/2	(13)
Masonry Opening w/BMC	Rough Opening		-2 1/8	(54)	-1 1/16	(27)
Sash			in	mm	in	mm
OM of Frame	OM of Sash		-3	(76)	-3 13/16	(97)
Daylight Opening	OM of Sash		+ 6 17/32	(00)	+ 7 11/32	(90)
Glass			in	mm	in	mm
Daylight Opening	Glass		+ 1 1/16	(27)	+ 1 1/16	(27)

Measurement Conversions: XOX Units

Unit Measurements - XOX Unit		Width XOX			Height	
From	To		in	mm	in	mm
Rough Opening			in	mm	in	mm
OM of Frame	Rough Opening		+ 1	(13)	+ 1/2	(13)
Masonry Opening w/BMC	Rough Opening		-2 1/8	(27)	-1 1/16	(27)
Sash			in	mm	in	mm
OM of Frame	OM of Primary Sash	+ 4	-5/8	(16)	-3 13/16	(97)
OM of Frame	OM of Secondary Sash	+ 2	+ 2 3/16	(56)	-3 13/16	(97)
Daylight Opening	OM of Primary Sash		+ 3 63/64	(101)	+ 7 11/32	(187)
Daylight Opening	OM of Secondary Sash		+ 4 3/8	(111)	+ 3 17/32	(90)
Glass			in	mm	in	mm
Daylight Opening	Glass		+ 1 1/16	(14)	+ 1 1/16	(27)
Screen			in	mm	in	mm
OM of Frame	OM of Screen Frame	+ 4	-2 3/4	(70)	-3 1/2	(89)
Daylight Opening	OM of Screen Frame	+ 4	+ 59/64	(00)	-3 1/2	(89)
Combo			in	mm	in	mm
OM of Frame	OM of Combo Frame		-1 1/2	(19)	-1 17/32	(39)
Daylight Opening	OM of Combo Frame	× 4	+ 16 29/32	(215)	+ 5 13/16	(148)

Measurement Conversions

Clear Opening:

Triple Sash - Standard 1/4 - 1/2 - 1-4 Ratio

Clear Opening Width = (Frame OSM Width/4) - 3 5/32" (80)

Clear Opening Height = Frame OSM Height - 5 1/8" (130)

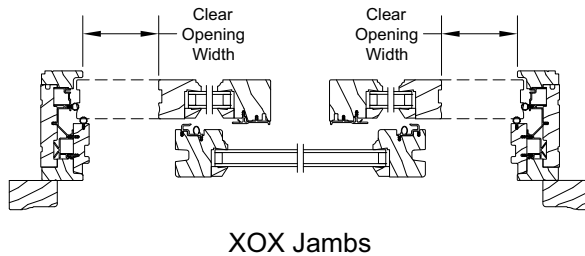
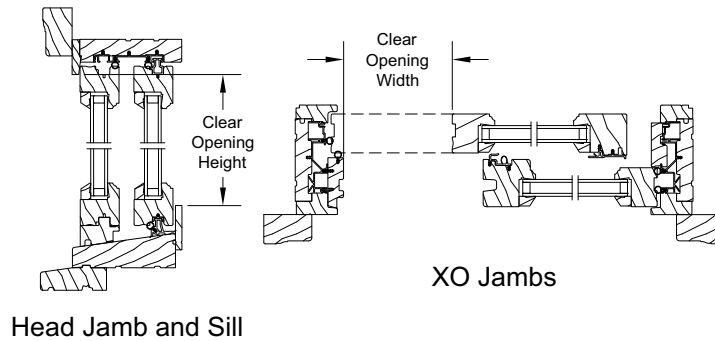
Clear Opening Area (ft. ^2) = (Clear Opening Width x Clear Opening Height) / 144

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)



Standard Unit Measurements: XO/OX and XOX

Standard Glider Unit Measurements - XO, OX								
Width								
CN	Masonry Opening		Rough Opening		Frame Size		Daylight Opening	
	ft - in	mm	ft - in	mm	ft - in	mm	in	mm
30	3-2 5/8	(981)	3-0 1/2	(927)	2-11 1/2	(902)	26 35/64	(674)
36	3-8 5/8	(1133)	3-6 1/2	(1080)	3-5 1/2	(1054)	32 35/64	(827)
40	4-2 5/8	(1286)	4-0 1/2	(1232)	3-11 1/2	(1207)	38 35/64	(979)
46	4-8 5/8	(1438)	4-6 1/2	(1384)	4-5 1/2	(1359)	44 35/64	(1132)
50	5-2 5/8	(1591)	5-0 1/2	(1537)	4-11 1/2	(1511)	50 35/64	(1284)
56	5-8 5/8	(1743)	5-6 1/2	(1689)	5-5 1/2	(1664)	56 35/64	(1436)
60	6-2 5/8	(1895)	6-0 1/2	(1842)	5-11 1/2	(1816)	62 35/64	(1589)

Standard Glider Unit Measurements - XO, OX										
Height										
CN	Masonry Opening		Rough Opening		Frame Size with Subsill		Daylight Opening (Std Bottom Rail)		Daylight Opening (Tall Bottom Rail)	
	ft - in	mm	ft - in	mm	ft - in	mm	ft - in	mm	in	mm
20	2-1 5/8	(651)	2-0 9/16	(624)	2-0 1/16	(611)	16 23/32	(425)	15 53/64	(402)
26	2-7 5/8	(803)	2-6 9/16	(776)	2-6 1/16	(764)	22 23/32	(577)	21 53/64	(554)
30	3-1 5/8	(956)	3-0 9/16	(929)	3-0 1/16	(916)	28 23/32	(729)	27 53/64	(707)
36	3-7 5/8	(1108)	3-6 9/16	(1081)	3-6 1/16	(1068)	34 23/32	(882)	33 53/64	(859)
40	4-1 5/8	(1260)	4-0 9/16	(1233)	4-0 1/16	(1221)	40 23/32	(1034)	39 53/64	(1012)
46	4-7 5/8	(1413)	4-6 9/16	(1386)	4-6 1/16	(1373)	46 23/32	(1187)	45 53/64	(1164)
50	5-1 5/8	(1565)	5-0 9/16	(1538)	5-0 1/16	(1526)	52 23/32	(1339)	51 53/64	(1316)
56	5-7 5/8	(1718)	5-6 9/16	(1691)	5-6 1/16	(1678)	58 23/32	(1491)	57 53/64	(1469)
60	6-1 5/8	(1870)	6-0 9/16	(1843)	6-0 1/16	(1830)	64 23/32	(1644)	63 53/64	(1621)

Standard Glider Unit Measurements - XOX										
Width										
CN	Masonry Opening		Rough Opening		Frame Size		Daylight Opening (Flanker Sash)		Daylight Opening (Center Sash)	
	ft - in	mm	ft - in	mm	ft - in	mm	in	mm	in	mm
60	6-2 5/8	(1896)	6-0 1/2	(1842)	5-11 1/2	(1816)	13 9/32	(337)	33 9/16	(853)
80	8-2 5/8	(2505)	8-0 1/2	(2451)	7-11 1/2	(2426)	19 9/32	(490)	45 9/16	(1157)
100	10-2 5/8	(3115)	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 with Subsill		Daylight Opening (Std Bottom Rail)		Daylight Opening (Tall Bottom Rail)	
	ft - in	mm	ft - in	mm	ft - in	mm	in	mm	in	mm
20	2-1 5/8	(651)	2-0 9/16	(624)	2-0 1/16	(611)	16 23/32	(425)	15 53/64	(402)
26	2-7 5/8	(803)	2-6 9/16	(776)	2-6 1/16	(764)	22 23/32	(577)	21 53/64	(554)
30	3-1 5/8	(956)	3-0 9/16	(929)	3-0 1/16	(916)	28 23/32	(729)	27 53/64	(707)
36	3-7 5/8	(1108)	3-6 9/16	(1081)	3-6 1/16	(1068)	34 23/32	(882)	33 53/64	(859)
40	4-1 5/8	(1260)	4-0 9/16	(1233)	4-0 1/16	(1221)	40 23/32	(1034)	39 53/64	(1012)
46	4-7 5/8	(1413)	4-6 9/16	(1386)	4-6 1/16	(1373)	46 23/32	(1187)	45 53/64	(1164)
50	5-1 5/8	(1565)	5-0 9/16	(1538)	5-0 1/16	(1526)	52 23/32	(1339)	51 53/64	(1316)
56	5-7 5/8	(1718)	5-6 9/16	(1691)	5-6 1/16	(1678)	58 23/32	(1491)	57 53/64	(1469)
60	6-1 5/8	(1870)	6-0 9/16	(1843)	6-0 1/16	(1830)	64 23/32	(1644)	63 53/64	(1621)

Standard Unit Measurements: Picture Units

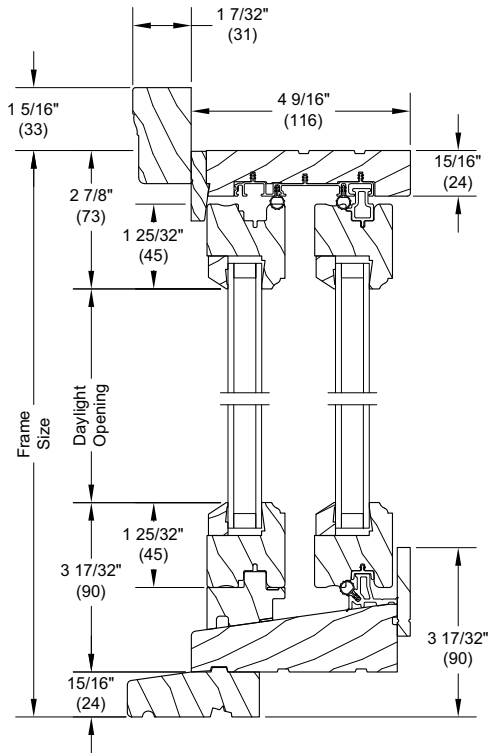
Standard Glider Picture Unit Measurements - O						
Width						
CN	Masonry Opening		Rough Opening		Frame Size	
	ft - in	mm	ft - in	mm	ft - in	mm
30	3-2 5/8	(981)	3-0 1/2	(927)	2-11 1/2	(902)
36	3-8 5/8	(1134)	3-6 1/2	(1080)	3-5 1/2	(1054)
40	4-2 5/8	(1286)	4-0 1/2	(1232)	3-11 1/2	(1207)
46	4-8 5/8	(1438)	4-6 1/2	(1384)	4-5 1/2	(1359)
50	5-2 5/8	(1591)	5-0 1/2	(1537)	4-11 1/2	(1511)
56	5-8 5/8	(1743)	5-6 1/2	(1689)	5-5 1/2	(1664)
60	6-2 5/8	(1896)	6-0 1/2	(1842)	5-11 1/2	(1816)

Standard Glider Picture Unit Measurements - O								
Height								
CN	Masonry Opening		Rough Opening		Frame Size		Daylight Opening (Tall Bottom Rail)	
	ft - in	mm	ft - in	mm	ft - in	mm	in	mm
20	2-1 5/8	(651)	2-0 9/16	(624)	2-0 1/16	(611)	15 53/64	(452)
26	2-7 5/8	(803)	2-6 9/16	(776)	2-6 1/16	(764)	21 53/64	(604)
30	3-1 5/8	(956)	3-0 9/16	(929)	3-0 1/16	(916)	27 53/64	(756)
36	3-7 5/8	(1108)	3-6 9/16	(1081)	3-6 1/16	(1068)	33 53/64	(909)
40	4-1 5/8	(1260)	4-0 9/16	(1233)	4-0 1/16	(1221)	39 53/64	(1061)
46	4-7 5/8	(1413)	4-6 9/16	(1386)	4-6 1/16	(1373)	45 53/64	(1214)
50	5-1 5/8	(1565)	5-0 9/16	(1538)	5-0 1/16	(1526)	51 53/64	(1366)
56	5-7 5/8	(1718)	5-6 9/16	(1691)	5-6 1/16	(1678)	57 53/64	(1518)
60	6-1 5/8	(1870)	6-0 9/16	(1843)	6-0 1/16	(1830)	63 53/64	(1671)

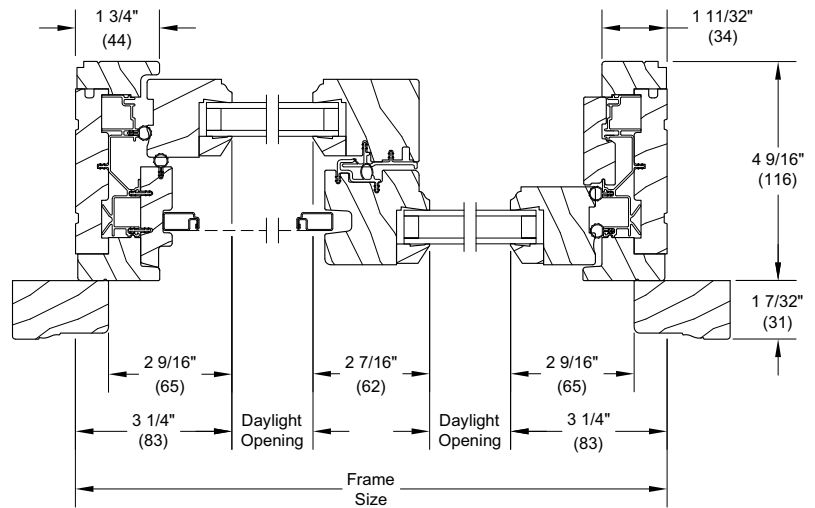
Wood Ultimate Glider

Section Details: XO/OX and Triple Sash

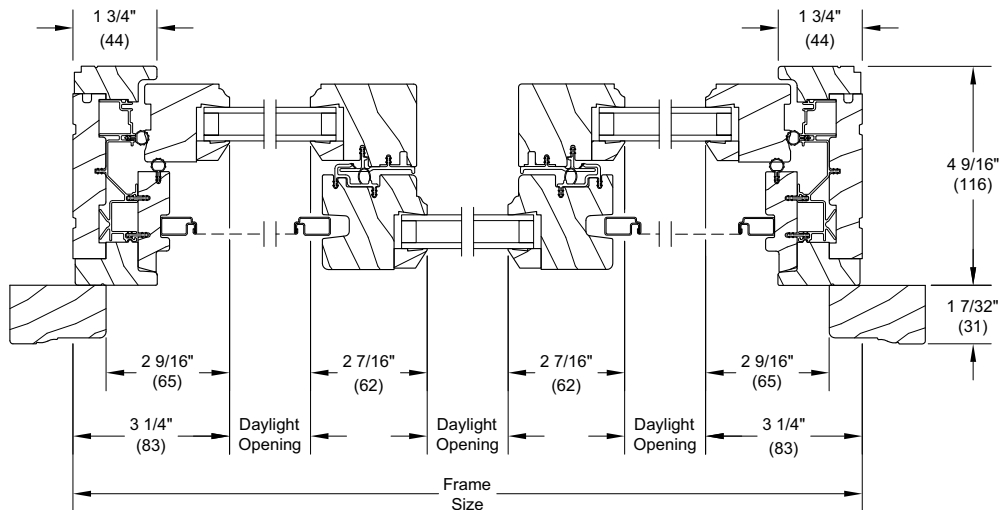
Scale: 3" = 1' 0"



Head Jamb and Sill



XO Jamb



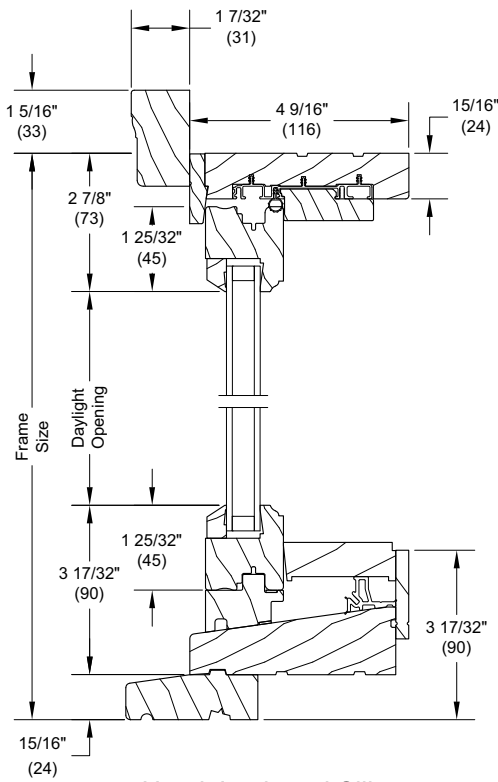
XOJ Jamb

Wood Ultimate Glider

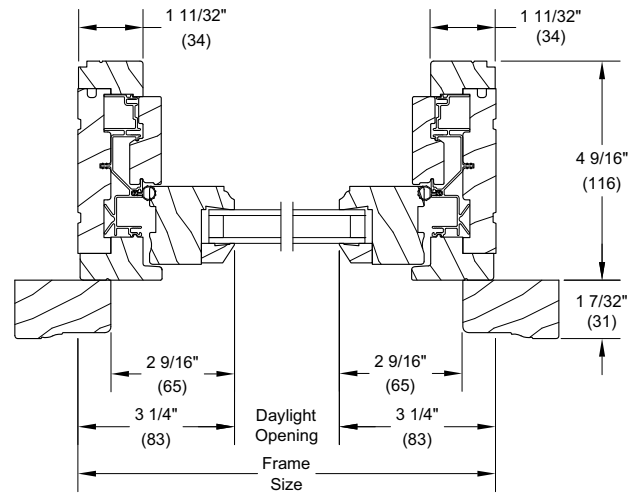
Section Details: Picture/Combination

Scale: 3" = 1' 0"

Picture

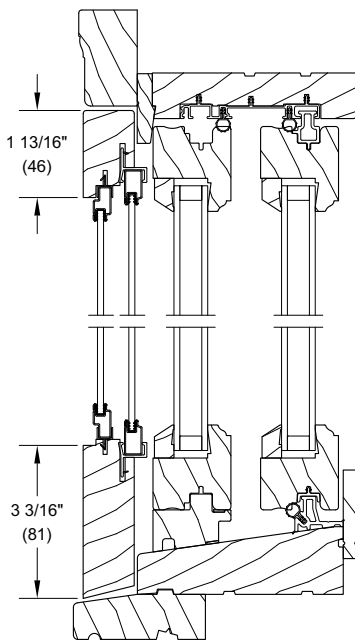


Head Jamb and Sill

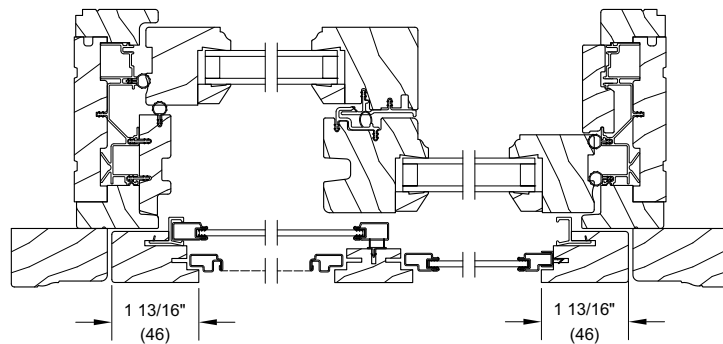


Jamb

4 9/16" Operator with Combination



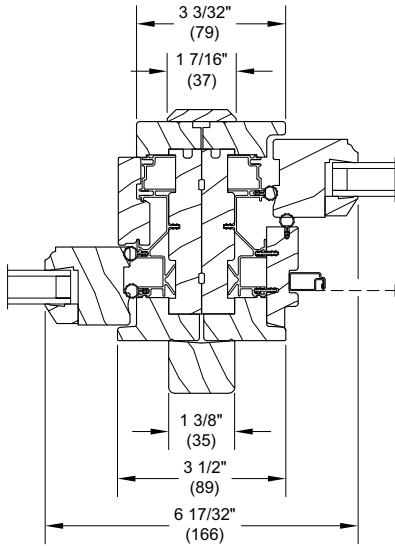
Head Jamb and Sill



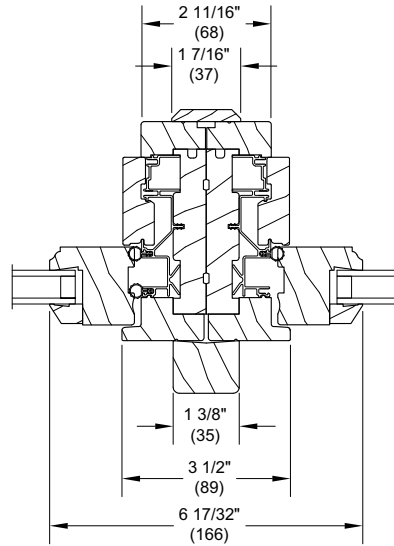
Jamb

Mullions

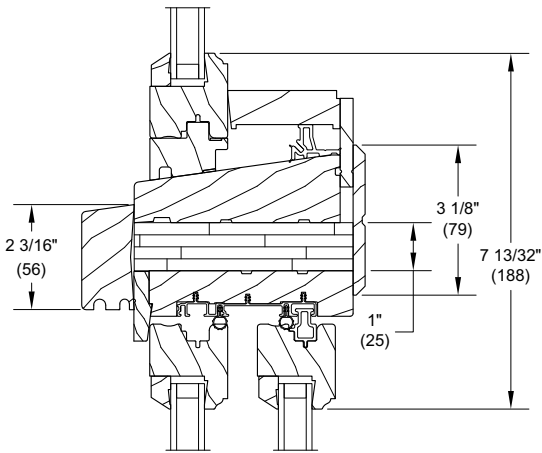
Scale: 3" = 1' 0"



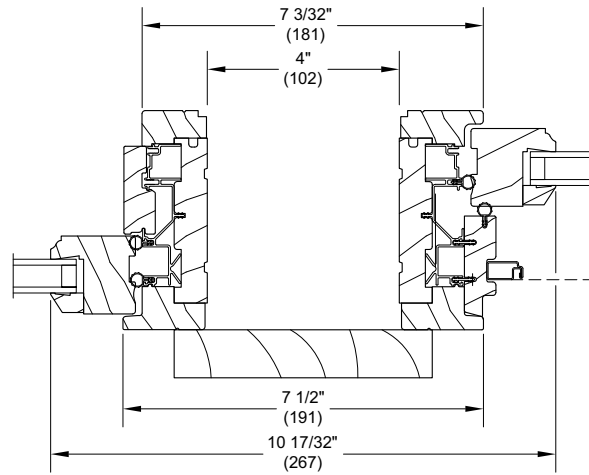
Vertical Mullion-Operator/Operator



Vertical Mullion-Operator/Picture



Picture - 1" LVL - mulled over
Wood Ultimate Glider



4" Space Mull