



Green Mountain Window and Door Co.

Classic Awning v2.1

Product Information

Unit Specifications	1.2
NFRC & Design Pressure Information	1.3
Vent Opening Information	1.4
Measurement Conversions	1.5

Elevations & Sections

General Elevation & Section Overview	1.6
Elevations: Awning	1.7
Elevations: Picture Window	1.8
Section Details: Awning	1.9
Section Details: Picture Window	1.10
Section Details: Awning Transom	1.11
Section Details: Divided Lite Options	1.12
Daylight Opening Conversions	1.13
Elevations: 5/8" Standard Divided Lite Patterns	1.14
Elevations: 7/8" Standard Divided Lite Patterns	1.16

NOTE:

All specifications and data are subject to change without notice.
Allow 1/16" tolerance on all measurements.
Some options and accessories are not covered in this manual. Contact your Green Mountain Representative for further assistance



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Unit Specifications

Frame:

- Pine finger jointed wood interior and exterior standard. Optional species can be specified for specific parts only (sill, sill nose, casing, etc.)
- Frame width: 4 9/16"
- Frame thickness: 1 9/16"
- Sill: 10 degree bevel, 1" standard sill nose. Optional 2" "historic" sill nose
- Pine exterior parts are dipped in a water repellent preservative.

Sash:

- Pine wood interior and exterior standard.
- Sash thickness: 1 17/32"
- Pine exterior parts are dipped in a water repellent preservative.

Interior and exterior finish:

- Bare wood or white primed standard
- Pre-finished interior and exterior options. See you Green Mountain Window Representative for colors and availability.

Hardware:

- Standard sash lock and operator in bronze. Option finish: white.

Weatherstrip:

- Bulb weatherstrip on frame.
- Fin weatherstrip on sash.

Jamb extension:

- Applied jamb extension available to match virtually any wall thickness
- Standard thickness: 21/32"

Insect Screens:

- Aluminum framed full screen with charcoal fiberglass mesh screening standard. Surround color will match operator.

Glass:

- Double strength glass sealed with Gray Duraseal warm edge spacer. Standard overall glass thickness is 1 1/16".
- Glazing method: silicone wet seal interior and exterior
- Glazing types: single glass, insulating glass
- Option for black Duraseal warm edge spacer
- Standard insulating glass options include: (see NFRC ratings for performance comparison)
 - 1/2" regular insulating glass
 - 1/2" Low E with Argon gas fill
 - 1/2" Low E with Krypton gas fill
 - 1 1/16" regular insulating glass
 - 1 1/16" Low E with Argon
- Other glass options: tempered, laminated, obscure, mouth blown restoration (wavy), tinted, UL rated, any specified

Optional Divided Lites:

- Options include: 5/8" white flat airspace grille, 5/8" white profiled airspace grille, 7/8" removable stick grille (interior only), 7/8" removable full surround grille (interior only), 5/8" true divided lite (single glass only), 5/8" simulated divided lite (SDL) with or without spacer bar, 7/8" SDL with or without a spacer and 1 1/4" SDL with or without a spacer bar. Gray SDL spacer is standard with gray SDL tape. Optional black spacer and tape is used when black glass spacer option is chosen.
- See "section details: divided lites for muntin profiles" for standard cuts. Custom configurations are available



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NFRC Values, Energy Star Rating Information and DP Ratings

Sealed Unit	Wood		Wood Exterior Vinyl Clad	
	Operating	Fixed	Operating	Fixed
Clear	0.43		0.43	0.44
Acclimate® RLE Low E and argon gas	0.31	0.28	0.29	0.28

A note on comparing NFRC ratings: the above ratings are based on NFRC 100-97 & 200 test standards. The 2004 NFRC test procedure typically yields better energy ratings for the same window. Many window companies have already retested their windows and are publishing the new better rating. Green Mountain Window will be retesting this product. Please contact your Green Mountain Window Representative for updates.

Performance Class:

ANSI/AAMA/WDMA 101/I.S. 2-97 defines five performance classes: residential (R), light commercial (LC), commercial (C), heavy commercial (HC), and architectural (AW).

Performance Class	Design Pressure lbs/ft ²	Structural Test Pressure lbs/ft ²	Water Resistance Test Pressure lbs/ft ²
LC	25	37.5	3.75



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Vent Opening Information

Size	Clear Opening Width	Vent Opening Height	Square Foot Vent Opening
16 x 20	7 1/8	14 7/8	.74
16 x 24	7 1/8	18 7/8	.93
16 x 28	7 1/8	22 7/8	1.13
16 x 32	7 1/8	26 7/8	1.33
16 x 36	7 1/8	30 7/8	1.53
20 x 20	11 1/8	14 7/8	1.15
20 x 24	11 1/8	18 7/8	1.46
20 x 28	11 1/8	22 7/8	1.77
20 x 32	11 1/8	26 7/8	2.08
20 x 36	11 1/8	30 7/8	2.39
24 x 20	15 1/8	14 7/8	1.56
24 x 24	15 1/8	18 7/8	1.98
24 x 28	15 1/8	22 7/8	2.40
24 x 32	15 1/8	26 7/8	2.82
24 x 36	15 1/8	30 7/8	3.24
28 x 20	19 1/8	14 7/8	1.98
28 x 24	19 1/8	18 7/8	2.51
28 x 28	19 1/8	22 7/8	3.04
28 x 32	19 1/8	26 7/8	3.57
28 x 36	19 1/8	30 7/8	4.10
32 x 20	23 1/8	14 7/8	2.39
32 x 24	23 1/8	18 7/8	3.03
32 x 28	23 1/8	22 7/8	3.67
32 x 32	23 1/8	26 7/8	4.32
32 x 36	23 1/8	30 7/8	4.96
36 x 20	27 1/8	14 7/8	2.80
36 x 24	27 1/8	18 7/8	3.56
36 x 28	27 1/8	22 7/8	4.31
36 x 32	27 1/8	26 7/8	5.06
36 x 36	27 1/8	30 7/8	5.82
40 x 20	31 1/8	14 7/8	3.22
40 x 24	31 1/8	18 7/8	4.08
40 x 28	31 1/8	22 7/8	4.94
40 x 32	31 1/8	26 7/8	5.81
40 x 36	31 1/8	30 7/8	6.67
48 x 20	39 1/8	14 7/8	4.04
48 x 24	39 1/8	18 7/8	5.13
48 x 28	39 1/8	22 7/8	6.22
48 x 32	39 1/8	26 7/8	7.30
48 x 36	39 1/8	30 7/8	8.39

Note: Vent opening is not equal to clear opening. Awning units will not meet egress codes so clear opening is not usually relevant.
Please contact you Green Mountain Window Representative for details.



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Measurement Conversions

Use the elevation drawings to find the Rough Opening, use these formulas to find the remaining measurements.

Awning:

	<u>Width</u>	<u>Height</u>
For Daylight Opening:	R.O. – 5 15/16"	R.O. – 6 15/16"
For Frame Size:	R.O. – 1"	R.O. – 1 1/4"
For Rough Opening:	No Conversion Necessary	No Conversion Necessary

Rough Openings of Mulled Units:

Double Wide Unit:	(Single RO x2) -1"	No Conversion Necessary
Triple Wide Unit:	(Single RO x3) -2"	No Conversion Necessary
Four Wide Unit:	(Single RO x4) -3"	No Conversion Necessary

Picture Windows:

	<u>Width</u>	<u>Height</u>
For Daylight Opening:	R.O. – 5 15/16"	R.O. – 6 15/16"
For Frame Size:	R.O. – 1"	R.O. – 1 1/4"
For Rough Opening:	No Conversion Necessary	No Conversion Necessary

Rough Openings of Mulled Units:

Double Wide Unit:	(Single RO x2) -1"	No Conversion Necessary
Triple Wide Unit:	(Single RO x3) -2"	No Conversion Necessary
Four Wide Unit:	(Single RO x4) -3"	No Conversion Necessary

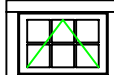
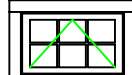
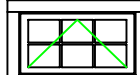
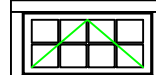
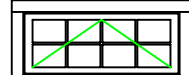
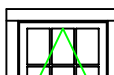
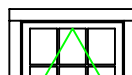
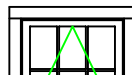
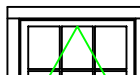
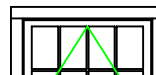
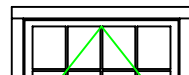
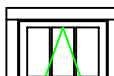
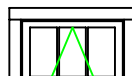
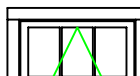
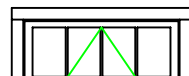
Awning Transoms:

	<u>Width</u>	<u>Height</u>
For Daylight Opening:	R.O. – 5 15/16"	R.O. – 6 15/16"
For Frame Size:	R.O. – 1"	R.O. – 1 1/4"
For Rough Opening:	No Conversion Necessary	No Conversion Necessary

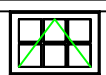
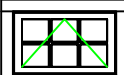
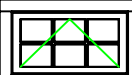
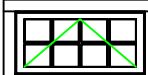
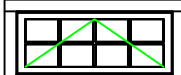
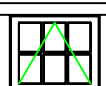
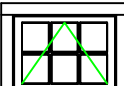
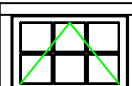
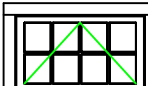
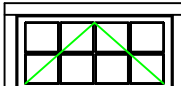
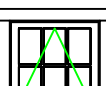
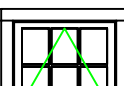
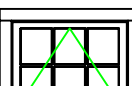
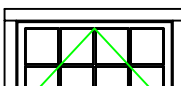
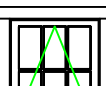
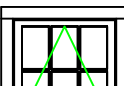
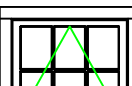
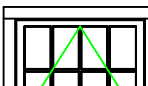
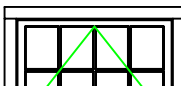
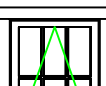
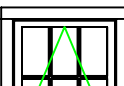
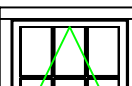
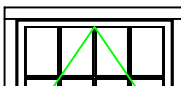
Note: If transom is to be mulled directly above an Awning, add the frame height of the transom to the rough opening height of the Awning for overall rough opening.

Rough Openings of Mulled Units:

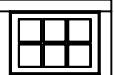
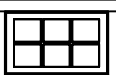
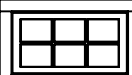
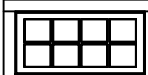
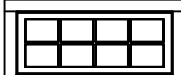
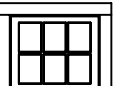
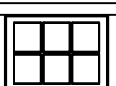
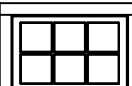
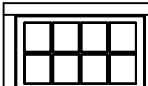
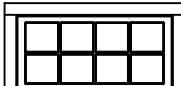
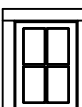
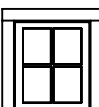
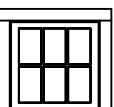
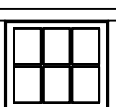
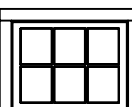
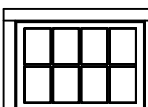
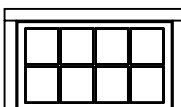
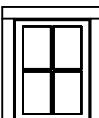
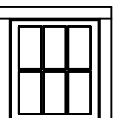
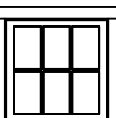
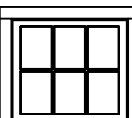
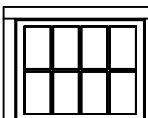
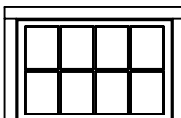
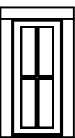
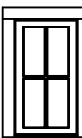
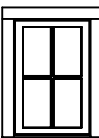
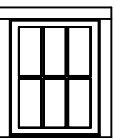
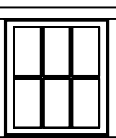
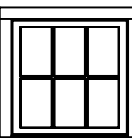
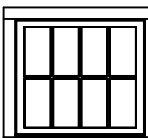
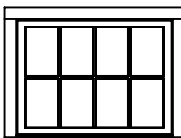
Double Wide Unit:	(Single RO x2) -1"	No Conversion Necessary
Triple Wide Unit:	(Single RO x3) -2"	No Conversion Necessary
Four Wide Unit:	(Single RO x4) -3"	No Conversion Necessary

								
	CAWTR1612	CAWTR2012	CAWTR2412	CAWTR2812	CAWTR3212	CAWTR3612	CAWTR4012	CAWTR4812
Clad R.D.	16 1/2"	21"	25"	29"	33"	37"	41"	49"
Wood R.D.	17 1/4"	21"	25"	29"	33"	37"	41"	49"
Frame	16"	20"	24"	28"	32"	36"	40"	48"
Glass Size	10 3/4"	14 3/4"	18 3/4"	22 3/4"	26 3/4"	30 3/4"	34 3/4"	42 3/4"
								
	CAW1620	CAW2020	CAW2420	CAW2820	CAW3220	CAW3620	CAW4020	CAW4820
								
	CAW1624	CAW2024	CAW2424	CAW2824	CAW3224	CAW3624	CAW4024	CAW4824
								
	CAW1628	CAW2028	CAW2428	CAW2828	CAW3228	CAW3628	CAW4028	CAW4828
								
	CAW1632	CAW2032	CAW2432	CAW2832	CAW3232	CAW3632	CAW4032	CAW4832
								
	CAW1636	CAW2036	CAW2436	CAW2836	CAW3236	CAW3636	CAW4036	CAW4836

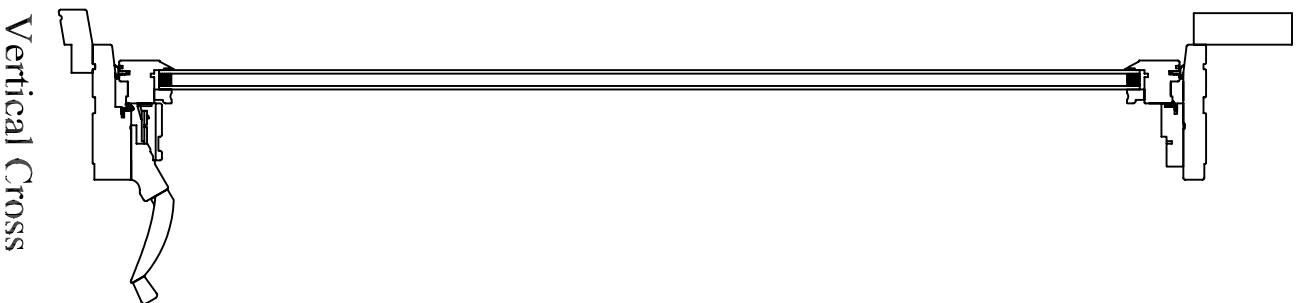
All units depicting hinges can be operating or stationary units.
Note: All frame heights listed do not include 3/4" sub sill.

Clad R.D. Wood R.D. Frame Glass Size	17" 17" 16" 10 3/4"	21" 21" 20" 14 3/4"	25" 25" 24" 18 3/4"	29" 29" 28" 22 3/4"	33" 33" 32" 26 3/4"	37" 37" 36" 30 3/4"	41" 41" 40" 34 3/4"	49" 49" 48" 42 3/4"
20 1/2" 21 1/4" 20" 14 3/4"								
	CAW1620	CAW2020	CAW2420	CAW2820	CAW3220	CAW3620	CAW4020	CAW4820
24 1/2" 25 1/4" 24" 18 3/4"								
	CAW1624	CAW2024	CAW2424	CAW2824	CAW3224	CAW3624	CAW4024	CAW4824
28 1/2" 29 1/4" 28" 22 3/4"								
	CAW1628	CAW2028	CAW2428	CAW2828	CAW3228	CAW3628	CAW4028	CAW4828
32 1/2" 33 1/4" 32" 26 3/4"								
	CAW1632	CAW2032	CAW2432	CAW2832	CAW3232	CAW3632	CAW4032	CAW4832
36 1/2" 37 1/4" 36" 30 3/4"								
	CAW1636	CAW2036	CAW2436	CAW2836	CAW3236	CAW3636	CAW4036	CAW4836

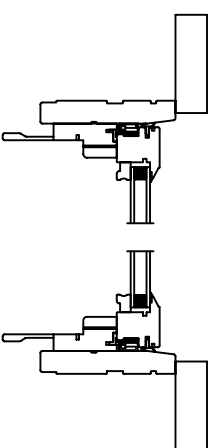
All units depicting hinges can be operating or stationary units.
Note: All frame heights listed do not include 3/4" sub sill.

Clad R.D. Wood R.D. Frame Glass Size	17" 17" 16" 10 3/4"	21" 21" 20" 14 3/4"	25" 25" 24" 18 3/4"	29" 29" 28" 22 3/4"	33" 33" 32" 26 3/4"	37" 37" 36" 30 3/4"	41" 41" 40" 34 3/4"	49" 49" 48" 42 3/4"
20 1/2" 21 1/4" 20" 14 3/4"								
	CAW1620	CAW2020	CAW2420	CAW2820	CAW3220	CAW3620	CAW4020	CAW4820
24 1/2" 25 1/4" 24" 18 3/4"								
	CAW1624	CAW2024	CAW2424	CAW2824	CAW3224	CAW3624	CAW4024	CAW4824
28 1/2" 29 1/4" 28" 22 3/4"								
	CAW1628	CAW2028	CAW2428	CAW2828	CAW3228	CAW3628	CAW4028	CAW4828
32 1/2" 33 1/4" 32" 26 3/4"								
	CAW1632	CAW2032	CAW2432	CAW2832	CAW3232	CAW3632	CAW4032	CAW4832
36 1/2" 37 1/4" 36" 30 3/4"								
	CAW1636	CAW2036	CAW2436	CAW2836	CAW3236	CAW3636	CAW4036	CAW4836

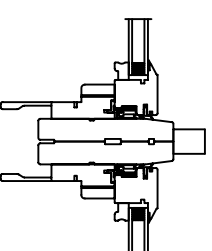
All units depicting hinges can be operating or stationary units.
Note: All frame heights listed do not include 3/4" sub sill.



Vertical Cross



Horizontal Cross

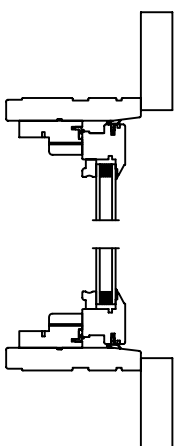


Mullion

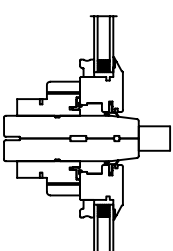
Awning Cross Section with Jambs

Green Mountain Window

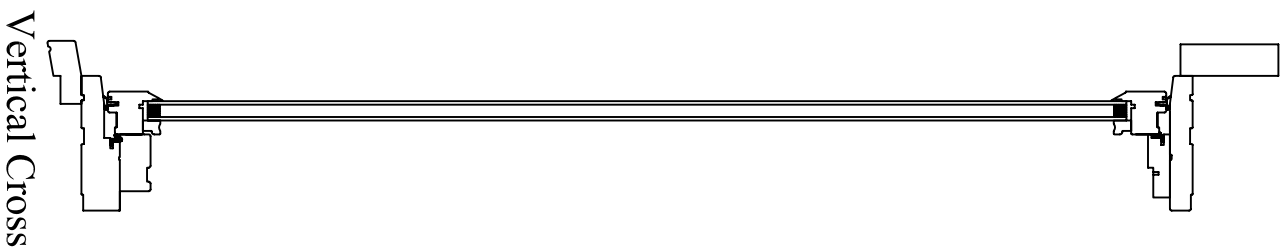
92 Park Street, Rutland, Vermont



Horizontal Cross



Mullion

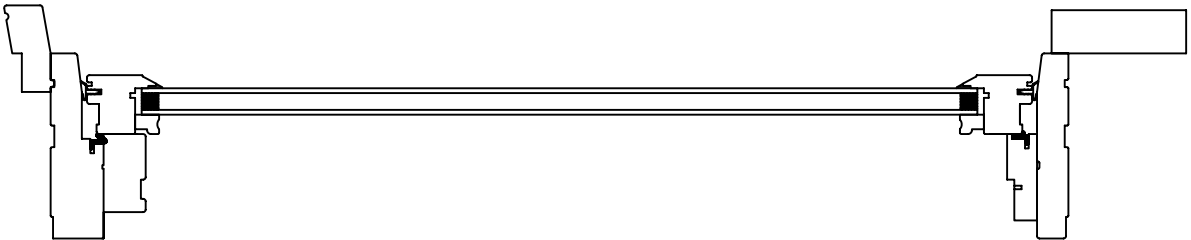


Vertical Cross

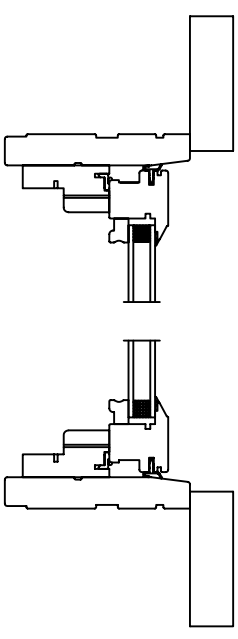
Picture Cross Section with Jambs

Green Mountain Window

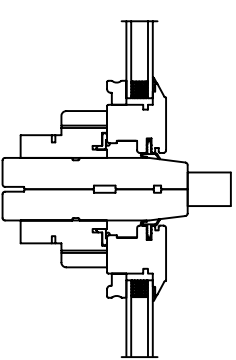
92 Park Street, Rutland, Vermont



Vertical Cross



Horizontal Cross

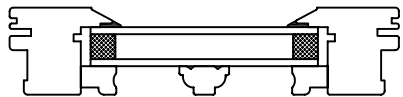


Mullion

Transom Cross Section with Jambs

Green Mountain Window

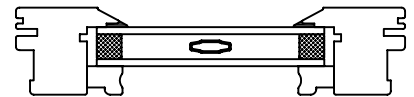
92 Park Street, Rutland, Vermont



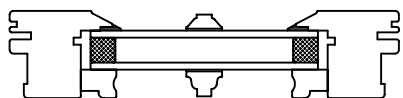
7/8" Grille



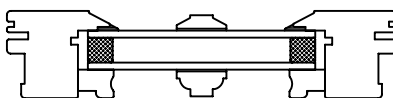
Flat Airspace



Profile Airspace



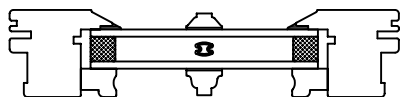
5/8" SDL



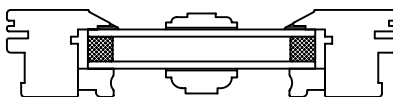
7/8" SDL



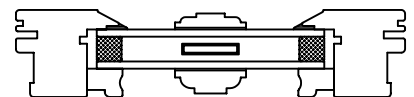
7/8" SDL
with Spacer Bar



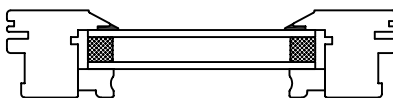
5/8" SDL
with Spacer Bar



1 1/4" SDL

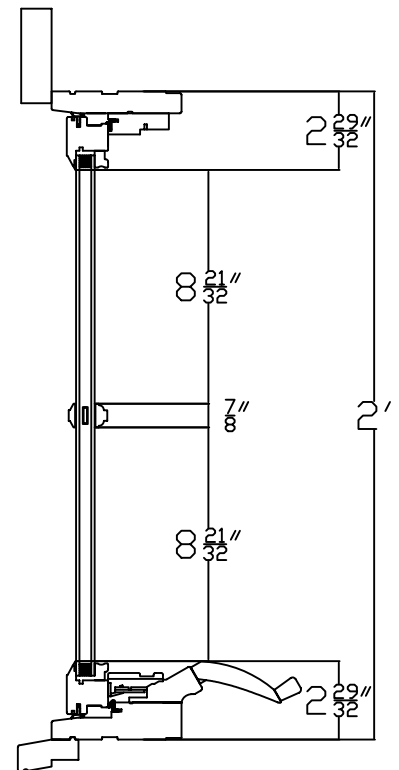
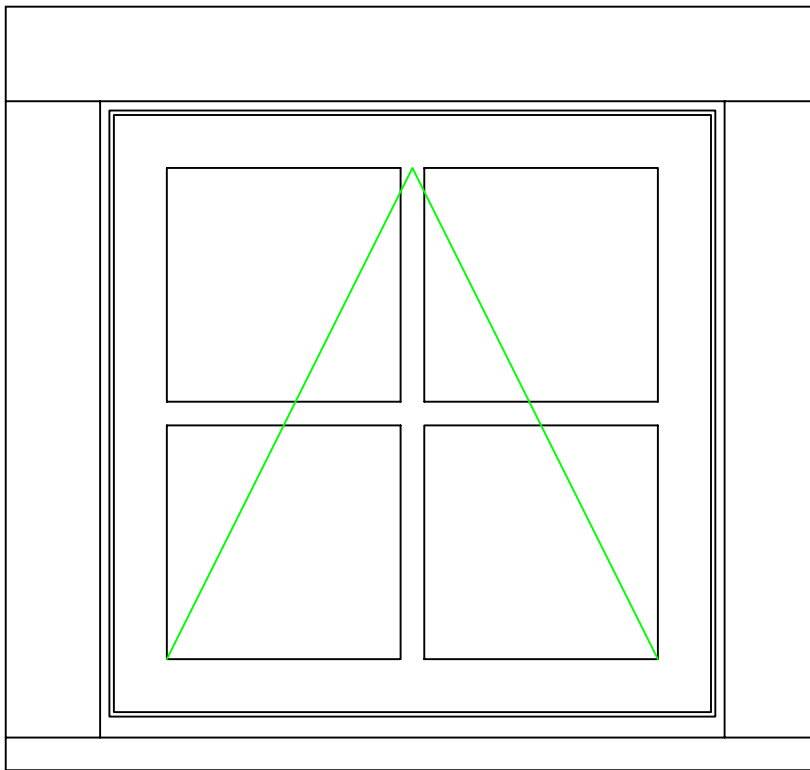
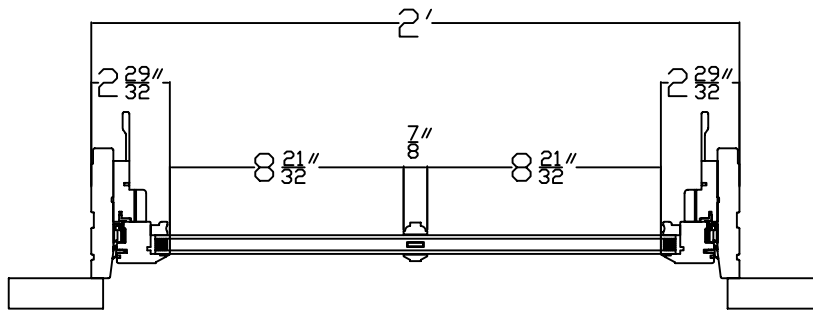


1 1/4" SDL
with Spacer Bar



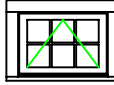
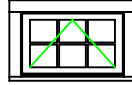
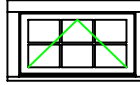
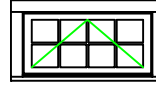
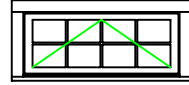
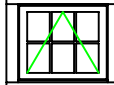
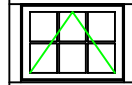
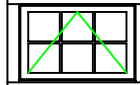
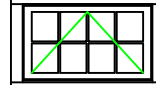
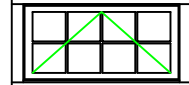
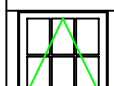
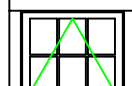
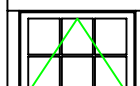
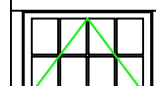
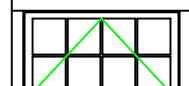
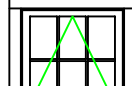
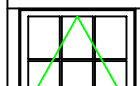
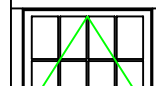
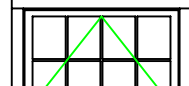
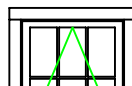
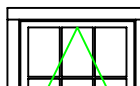
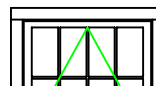
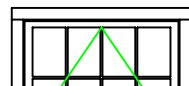
I. G., No Lites
Wood Bead

Green Mountain Window Co.

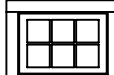
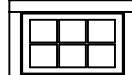
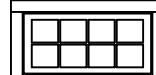
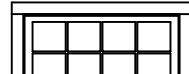
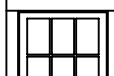
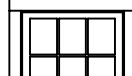
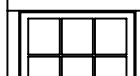
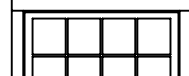


Note: The example above only applies to a 24 x 24 with 7/8" muntins in a two wide, two high pattern. For all other sizes and configurations: Determine the overall daylight opening of each sash (without lites) with the formulas on 1.5. Then multiply the number of bars by the bar width and deduct that number from that overall daylight. Divide this number by the number of lites for daylight of each lite.

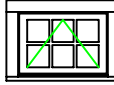
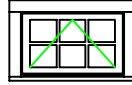
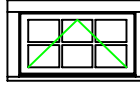
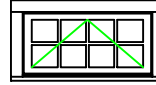
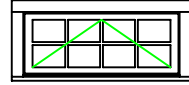
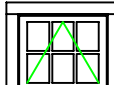
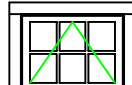
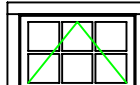
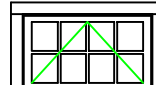
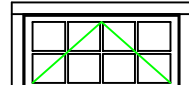
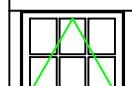
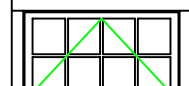
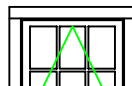
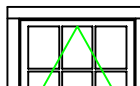
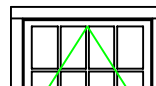
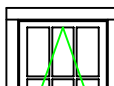
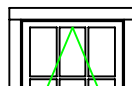
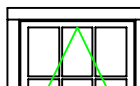
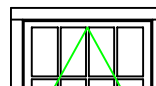
$$\frac{\text{Overall DLO} - (\text{sum of all bar widths})}{\text{Number of Lites}}$$

								
	CAWTR1612	CAWTR2012	CAWTR2412	CAWTR2812	CAWTR3212	CAWTR3612	CAWTR4012	CAWTR4812
Clad R.D.	16 1/2"	21"	25"	29"	33"	37"	41"	49"
Wood R.D.	17 1/4"	21"	25"	29"	33"	37"	41"	49"
Frame	16"	20"	24"	28"	32"	36"	40"	48"
Glass Size	10 3/4"	14 3/4"	18 3/4"	22 3/4"	26 3/4"	30 3/4"	34 3/4"	42 3/4"
								
	CAW1620	CAW2020	CAW2420	CAW2820	CAW3220	CAW3620	CAW4020	CAW4820
								
	CAW1624	CAW2024	CAW2424	CAW2824	CAW3224	CAW3624	CAW4024	CAW4824
								
	CAW1628	CAW2028	CAW2428	CAW2828	CAW3228	CAW3628	CAW4028	CAW4828
								
	CAW1632	CAW2032	CAW2432	CAW2832	CAW3232	CAW3632	CAW4032	CAW4832
								
	CAW1636	CAW2036	CAW2436	CAW2836	CAW3236	CAW3636	CAW4036	CAW4836

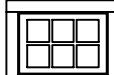
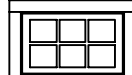
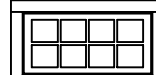
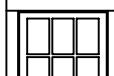
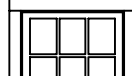
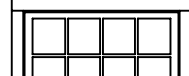
All units depicting hinges can be operating or stationary units.
Note: All frame heights listed do not include 3/4" sub sill.

								
	CAWTR1612	CAWTR2012	CAWTR2412	CAWTR2812	CAWTR3212	CAWTR3612	CAWTR4012	CAWTR4812
Clad R.D.	17"	21"	25"	29"	33"	37"	41"	49"
Wood R.D.	17"	21"	25"	29"	33"	37"	41"	49"
Frame	16"	20"	24"	28"	32"	36"	40"	48"
Glass Size	10 3/4"	14 3/4"	18 3/4"	22 3/4"	26 3/4"	30 3/4"	34 3/4"	42 3/4"
								
	CAW1620	CAW2020	CAW2420	CAW2820	CAW3220	CAW3620	CAW4020	CAW4820
								
	CAW1624	CAW2024	CAW2424	CAW2824	CAW3224	CAW3624	CAW4024	CAW4824
								
	CAW1628	CAW2028	CAW2428	CAW2828	CAW3228	CAW3628	CAW4028	CAW4828
								
	CAW1632	CAW2032	CAW2432	CAW2832	CAW3232	CAW3632	CAW4032	CAW4832
								
	CAW1636	CAW2036	CAW2436	CAW2836	CAW3236	CAW3636	CAW4036	CAW4836

All units depicting hinges can be operating or stationary units.
Note: All frame heights listed do not include 3/4" sub sill.

	16 1/2" 17 1/4" 16" 10 3/4"								
	CAWTR1612	CAWTR2012	CAWTR2412	CAWTR2812	CAWTR3212	CAWTR3612	CAWTR4012	CAWTR4812	
Clad R.D. Wood R.D. Frame Glass Size	17" 17" 16" 10 3/4"	21" 21" 20" 14 3/4"	25" 25" 24" 18 3/4"	29" 29" 28" 22 3/4"	33" 33" 32" 26 3/4"	37" 37" 36" 30 3/4"	41" 41" 40" 34 3/4"	49" 49" 48" 42 3/4"	
20 1/2" 21 1/4" 20" 14 3/4"									
	CAW1620	CAW2020	CAW2420	CAW2820	CAW3220	CAW3620	CAW4020	CAW4820	
24 1/2" 25 1/4" 24" 18 3/4"									
	CAW1624	CAW2024	CAW2424	CAW2824	CAW3224	CAW3624	CAW4024	CAW4824	
28 1/2" 29 1/4" 28" 22 3/4"									
	CAW1628	CAW2028	CAW2428	CAW2828	CAW3228	CAW3628	CAW4028	CAW4828	
32 1/2" 33 1/4" 32" 26 3/4"									
	CAW1632	CAW2032	CAW2432	CAW2832	CAW3232	CAW3632	CAW4032	CAW4832	
36 1/2" 37 1/4" 36" 30 3/4"									
	CAW1636	CAW2036	CAW2436	CAW2836	CAW3236	CAW3636	CAW4036	CAW4836	

All units depicting hinges can be operating or stationary units.
Note: All frame heights listed do not include 3/4" sub sill.

								
	CAWTR1612	CAWTR2012	CAWTR2412	CAWTR2812	CAWTR3212	CAWTR3612	CAWTR4012	CAWTR4812
Clad R.D.	17"	21"	25"	29"	33"	37"	41"	49"
Wood R.D.	17"	21"	25"	29"	33"	37"	41"	49"
Frame	16"	20"	24"	28"	32"	36"	40"	48"
Glass Size	10 3/4"	14 3/4"	18 3/4"	22 3/4"	26 3/4"	30 3/4"	34 3/4"	42 3/4"
								
	CAW1620	CAW2020	CAW2420	CAW2820	CAW3220	CAW3620	CAW4020	CAW4820
								
	CAW1624	CAW2024	CAW2424	CAW2824	CAW3224	CAW3624	CAW4024	CAW4824
								
	CAW1628	CAW2028	CAW2428	CAW2828	CAW3228	CAW3628	CAW4028	CAW4828
								
	CAW1632	CAW2032	CAW2432	CAW2832	CAW3232	CAW3632	CAW4032	CAW4832
								
	CAW1636	CAW2036	CAW2436	CAW2836	CAW3236	CAW3636	CAW4036	CAW4836

All units depicting hinges can be operating or stationary units.
Note: All frame heights listed do not include 3/4" sub sill.