



Green Mountain Window and Door Co.

Classic Double Hung v2.1

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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 wood interior and exterior standard. Options include South American Mahogany, Philippine Mahogany (Marenti), Douglas Fir, Western Red Cedar, Teak, or other. Optional species can be specified for specific parts only (sill, sill nose, casing, etc.)
- Frame width: 4 9/16"
- Frame thickness: 5/8"
- Sill: 14 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. Options include South American Mahogany, Philippine Mahogany (Marenti), Douglas Fir, Western Red Cedar, Teak, or other.
- Check rail thickness: 1 5/8"
- Stile and top & bottom rail thickness: 1 1/4"
- Operating sash tilt in for easy cleaning. The top sash of reverse cottage windows can not be tilted in.
- Pine exterior parts are dipped in a water repellent preservative.

Interior and exterior finish:

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

Hardware:

- Standard sash lock and keeper: Truth cam lock in Bronze. Option finish: white.
- Upgraded sash lock and keeper: Colonial cam lock in Oil Rubbed Bronze, Nickel, Polished Chrome or Brass. Arts & Crafts pivot lock available in Brass only.
- Sash lift: Truth sash lift in Bronze. Option: finish to match lock choice.
- Balance system: block and tackle balance
- White – Compression jamb liner. Option: beige

Weatherstrip:

- Weatherstrip on top rail meeting rail and bottom.
- Leaf weatherstrip on head parting stop

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. Optional surround colors: Dark Bronze, Tan or Green. Optional mesh: charcoal aluminum or bright aluminum
- Optional wood screen: full or half screens with charcoal fiberglass mesh screening. Species and finish to match window. Optional mesh: charcoal aluminum, bright aluminum or bright bronze

Glass:

- Double strength glass sealed with Gray Duraseal warm edge spacer. Standard overall glass thickness on wood exterior units is 1/2" with wood exterior glazing bead. Optional 11/16" glass thickness with white vinyl exterior glazing bead.
- 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
 - 11/16" regular insulating glass (white vinyl glazing bead on exterior)
 - 11/16" Low E with Argon (white vinyl glazing bead on exterior)
- 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

ENERGY DATA		U-Factor		R-Value		SHGC		VT		NFRC Certified	ENERGY STAR [†]
		Res	Non-Res	Res	Non-Res	Res	Non-Res	Res	Non-Res		
Wood Exterior Glazing Bead	1/2" Clear Insulated	.54	.54	1.85	1.85	.55	.55	.57	.59	X	
	1/2" Low E / Argon	.41	.40	2.44	2.50	.47	.48	.53	.55	X	
	1/2" Low E / Krypton	.35	.34	2.86	2.94	.47	.48	.53	.55	X	X
Vinyl Exterior Glazing Bead	11/16" Clear Insulated	.495	.495	2.02	2.94	.55	.55	.57	.59	X	
	11/16" Low E / Argon	.35	.34	2.86	2.94	.47	.48	.53	.55	X	X

[†] ENERGY STAR compliant for northern and central regions

A note on comparing NFRC ratings: the above ratings are based on NFRC 100-97 & 200 test standards. The new 2004 NFRC test procedure typically yield 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 in the spring of 2004. Please contact your Green Mountain Window Representative for updates.

Design Pressure Values are based on a 44"x60" window (per the industry test standard.) Overall Design Pressure:

DP 30

Specific Test Results for ANSI/AAMA/NWWDA/I.S.2:

	<u>Results</u>	<u>Allowed</u>
Air Infiltration – ASTM E283-91	.11 scfm/ft ²	.30 scfm/ft ²
Water Resistance – ASTM E547	Pass	No Leakage
Uniform Structural Load – ASTM E 330	pos – 22.5 psf	.164 in.
“ “ “ “	neg – 22.5 psf	.164 in.
Forced Entry Resistance – ASTM F588 Grade 10		
Lock/Tool Manipulation	Pass	No Entry
Test 1,2,3,4,5,6,7	Pass	No Entry
Lock/Tool Manipulation	Pass	No Entry
Operating Force – ASTM E2068		
Bottom Sash – Open/Close	17 / 17 lbf	30 lbf
Top Sash – Open/Close	18 / 18 lbf	30 lbf
Deglazing – ASTM E987	0%	<100%



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Egress and Clear Opening Information

Size	Clear Opening Width	Clear Opening Height	Square Foot Opening	Size	Clear Opening Width	Clear Opening Height	Square Foot Opening
16x12	18 1/4	12	1.52	28x26	30 1/4	26	5.46
16x14	18 1/4	14	1.77	28x28*	30 1/4	28	5.88
16x16	18 1/4	16	2.03	28x30*	30 1/4	30	6.30
16x18	18 1/4	18	2.28	28x32*	30 1/4	32	6.72
16x20	18 1/4	20	2.53	28x34*	30 1/4	34	7.14
16x22	18 1/4	22	2.79	28x36*	30 1/4	36	7.56
16x24	18 1/4	24	3.04	30x12	32 1/4	12	2.69
16x26	18 1/4	26	3.30	30x14	32 1/4	14	3.14
16x28	18 1/4	28	3.55	30x16	32 1/4	16	3.58
16x30	18 1/4	30	3.80	30x18	32 1/4	18	4.03
16x32	18 1/4	32	4.06	30x20	32 1/4	20	4.48
16x34	18 1/4	34	4.31	30x22	32 1/4	22	4.93
16x36	18 1/4	36	4.56	30x24	32 1/4	24	5.38
20x12	22 1/4	12	1.85	30x26*	32 1/4	26	5.82
20x14	22 1/4	14	2.16	30x28*	32 1/4	28	6.27
20x16	22 1/4	16	2.47	30x30*	32 1/4	30	6.72
20x18	22 1/4	18	2.78	30x32*	32 1/4	32	7.17
20x20	22 1/4	20	3.09	30x34*	32 1/4	34	7.61
20x22	22 1/4	22	3.40	30x36*	32 1/4	36	8.06
20x24	22 1/4	24	3.71	32x12	34 1/4	12	2.85
20x26	22 1/4	26	4.02	32x14	34 1/4	14	3.33
20x28	22 1/4	28	4.33	32x16	34 1/4	16	3.81
20x30	22 1/4	30	4.64	32x18	34 1/4	18	4.28
20x32	22 1/4	32	4.94	32x20	34 1/4	20	4.76
20x34	22 1/4	34	5.25	32x22	34 1/4	22	5.23
20x36	22 1/4	36	5.56	32x24*	34 1/4	24	5.71
24x12	26 1/4	12	2.18	32x26*	34 1/4	26	6.18
24x14	26 1/4	14	2.55	32x28*	34 1/4	28	6.66
24x16	26 1/4	16	2.92	32x30*	34 1/4	30	7.14
24x18	26 1/4	18	3.28	32x34*	34 1/4	34	8.09
24x20	26 1/4	20	3.65	32x36*	34 1/4	36	8.56
24x22	26 1/4	22	4.01	36x12	38 1/4	12	3.18
24x24	26 1/4	24	4.38	36x14	38 1/4	14	3.72
24x26	26 1/4	26	4.74	36x16	38 1/4	16	4.25
24x28	26 1/4	28	5.10	36x18	38 1/4	18	4.78
24x30	26 1/4	30	5.47	36x20	38 1/4	20	5.31
24x32*	26 1/4	32	5.83	36x22	38 1/4	22	5.84
24x34*	26 1/4	34	6.20	36x24*	38 1/4	24	6.38
24x36*	26 1/4	36	6.56	36x26*	38 1/4	26	6.91
26x12	28 1/4	12	2.35	36x28*	38 1/4	28	7.44
26x14	28 1/4	14	2.75	36x30*	38 1/4	30	7.97
26x16	28 1/4	16	3.14	36x32*	38 1/4	32	8.50
26x18	28 1/4	18	3.53	36x34*	38 1/4	34	9.03
26x20	28 1/4	20	3.92	36x36*	38 1/4	36	9.56
26x22	28 1/4	22	4.32	40x12	42 1/4	12	3.52
26x24	28 1/4	24	4.71	40x14	42 1/4	14	4.11
26x26	28 1/4	26	5.10	40x16	42 1/4	16	4.69
26x28	28 1/4	28	5.49	40x18	42 1/4	18	5.28
26x30*	28 1/4	30	5.89	40x20	42 1/4	20	5.86
26x32*	28 1/4	32	6.28	40x22	42 1/4	22	6.45
26x34*	28 1/4	34	6.67	40x24*	42 1/4	24	7.04
26x36*	28 1/4	36	7.06	40x26*	42 1/4	26	7.63
28x12	30 1/4	12	2.52	40x28*	42 1/4	28	8.22
28x14	30 1/4	14	2.94	40x30*	42 1/4	30	8.80
28x16	30 1/4	16	3.36	40x32*	42 1/4	32	9.39
28x18	30 1/4	18	3.78	40x34*	42 1/4	34	9.98
28x20	30 1/4	20	4.20	40x36*	42 1/4	36	10.56
28x22	30 1/4	22	4.62				
28x24	30 1/4	24	5.04				

*These units meet national egress codes for fire evacuation. Local codes may vary.

Note on optional locks: some optional locks or aftermarket locks will keep bottom sash from rising all the way up. This will decrease the amount of clear opening. Please contact your Green Mountain Window Representative for details.



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Measurement Conversions

“Size” used for conversion purposes is the unit name.

Example: CDH 3224 double hung has a “size” of 32” wide and 24” high.

Double Hung:

	<u>Width</u>	<u>Height</u>
For Daylight Opening:	“Size” – 1/2”	“Size” – 1/2”
For Sash Opening:	“Size” + 4”	“Size” x 2 + 6”
For Frame Size:	“Size” + 5 5/16”	“Size” x 2 + 8 7/8”
For Rough Opening:	“Size” + 6 5/16”	“Size” x 2 + 9 3/8”

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:	“Size” – 5/8”	“Size” – 5/8”
For Sash Opening:	“Size” + 4”	“Size” + 5”
For Frame Size:	“Size” + 5 5/16”	“Size” + 7 7/8”
For Rough Opening:	“Size” + 6 5/16”	“Size” + 8 3/8”

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

Double Hung Transoms:

	<u>Width</u>	<u>Height</u>
For Daylight Opening:	“Size” – 1/2”	“Size” + 1/8”
For Sash Opening:	“Size” + 4”	“Size” + 4 3/8”
For Frame Size:	“Size” + 5 5/16”	“Size” + 7”
For Rough Opening:	“Size” + 6 5/16”	“Size” + 7 1/2”

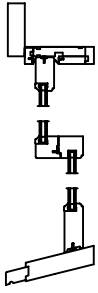
Note: If transom is to be directly mulled above a double hung add the frame height of the transom to the rough opening height of the double hung for overall rough opening.

Rough Openings of Mulled Units:

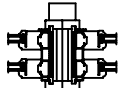
Double Wide Unit:	(Single RO x2) -1”	No Conversion Necessary
Triple Wide Unit:	(Single RO x3) -2”	No Conversion Necessary
Four Wide Unit:	(Single RO x4) -3”	No Conversion Necessary

GLASS CASE FRAME ROUGH DPIG	SIZE 16"	SIZE 20"	SIZE 24"	SIZE 28"	SIZE 30"	SIZE 32"	SIZE 36"	SIZE 40"
16"	16" 10 5/16"	20" 1 5/16"	24" 4 5/16"	28" 5 5/16"	30" 10 5/16"	32" 1 5/16"	36" 4 5/16"	40" 8 5/16"
16"	CDH 1612	CDH 2012	CDH 2412	CDH 2612	CDH 2812	CDH 3012	CDH 3212	CDH 3612
16"	CDH 1614	CDH 2014	CDH 2414	CDH 2614	CDH 2814	CDH 3014	CDH 3214	CDH 3614
16"	CDH 1616	CDH 2016	CDH 2416	CDH 2616	CDH 2816	CDH 3016	CDH 3216	CDH 3616
16"	CDH 1618	CDH 2018	CDH 2418	CDH 2618	CDH 2818	CDH 3018	CDH 3218	CDH 3618
16"	CDH 1620	CDH 2020	CDH 2420	CDH 2620	CDH 2820	CDH 3020	CDH 3220	CDH 3620
16"	CDH 1622	CDH 2022	CDH 2422	CDH 2622	CDH 2822	CDH 3022	CDH 3222	CDH 3622
16"	CDH 1624	CDH 2024	CDH 2424	CDH 2624	CDH 2824	CDH 3024	CDH 3224E	CDH 3624E
16"	CDH 1626	CDH 2026	CDH 2426	CDH 2626	CDH 2826	CDH 3026E	CDH 3226E	CDH 3626E
16"	CDH 1628	CDH 2028	CDH 2428	CDH 2628	CDH 2828E	CDH 3028E	CDH 3228E	CDH 3628E
16"	CDH 1630	CDH 2030	CDH 2430	CDH 2630E	CDH 2830E	CDH 3030E	CDH 3230E	CDH 3630E
16"	CDH 1632	CDH 2032	CDH 2432E	CDH 2632E	CDH 2832E	CDH 3032E	CDH 3232E	CDH 3632E
16"	CDH 1634	CDH 2034	CDH 2434E	CDH 2634E	CDH 2834E	CDH 3034E	CDH 3234E	CDH 3634E
16"	CDH 1636	CDH 2036	CDH 2436E	CDH 2636E	CDH 2836E	CDH 3036E	CDH 3236E	CDH 3636E

Standard Double Hung



Jamb View



Mullion Detail

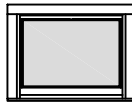


GLASS SIZE 36"
 SASH 3' 4"
 FRAME SIZE 3' 5 5/16"
 ROUGH DPG. 3' 6 5/16"

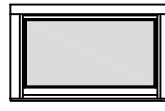
48"
 4' 4"
 4' 5 5/16"
 4' 6 5/16"

56"
 5'
 5' 1 5/16"
 5' 2 5/16"

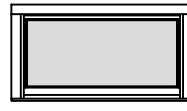
25'
 2' 6"
 2' 8 7/8"
 2' 9 3/8"



DH3625 PICT



DH4825 PICT



DH5625 PICT

29'
 2' 10"
 3' 7/8"
 3' 1 3/8"



DH3629 PICT



DH4829 PICT



DH5629 PICT

33'
 3' 2"
 3' 4 7/8"
 3' 5 3/8"



DH3633 PICT

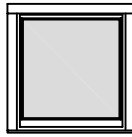


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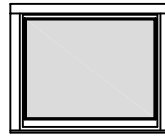


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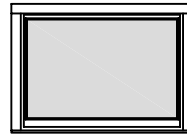
37'
 3' 6"
 3' 8 7/8"
 3' 9 3/8"



DH3637 PICT

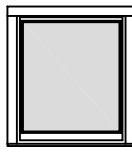


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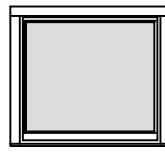


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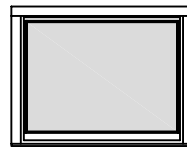
41'
 3' 10"
 4' 7/8"
 4' 1 3/8"



DH3641 PICT

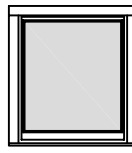


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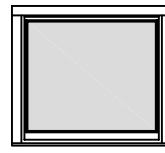


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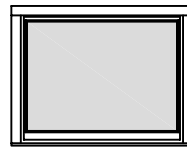
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 4' 5 3/8"



DH3645 PICT

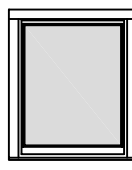


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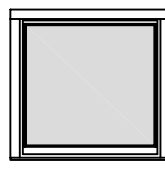


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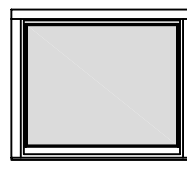
49'
 4' 6"
 4' 8 7/8"
 4' 9 3/8"



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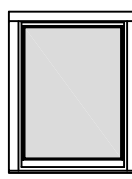


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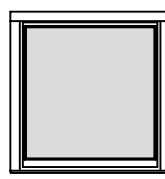


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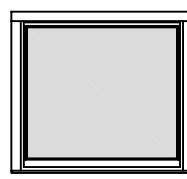
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 4' 10"
 5' 7/8"
 5' 1 3/8"



DH3653 PICT

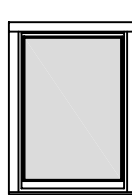


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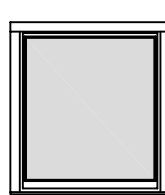


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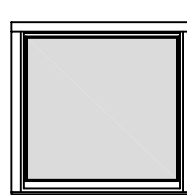
57'
 5' 2"
 5' 4 7/8"
 5' 5 3/8"



DH3657 PICT

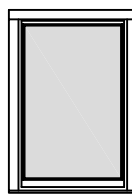


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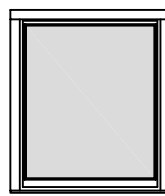


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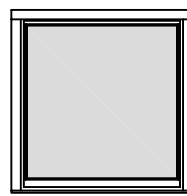
61'
 5' 6"
 5' 8 7/8"
 5' 9 3/8"



DH3661 PICT



DH4861 PICT

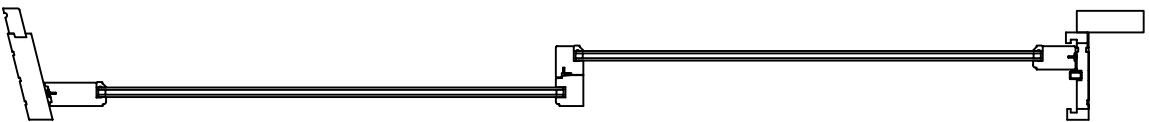


DH5661 PICT

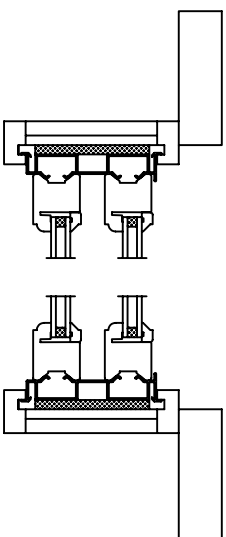
Green Mountain Window Co.

Double Hung Transoms and Cottage / Reverse Cottage Elevations

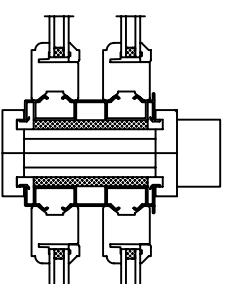
GLASS SASH FRAME ROUGH	SIZE 16"	SIZE 20"	SIZE 24"	SIZE 26"	SIZE 28"	SIZE 30"	SIZE 32"	SIZE 36"	SIZE 40"
9 7/8"	10 5/16"	12 5/16"	14 5/16"	16 5/16"	18 5/16"	20 5/16"	22 5/16"	24 5/16"	26 5/16"
1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"
	16 x 9	20 x 9	24 x 9	26 x 9	28 x 9	30 x 9	32 x 9	36 x 9	40 x 9
16 1/24"	20 1/24"	24 1/24"	26 1/24"	28 1/24"	30 1/24"	32 1/24"	36 1/24"	40 1/24"	
2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"
16 x 16/24	20 x 16/24	24 x 16/24	26 x 16/24	28 x 16/24	30 x 16/24	32 x 16/24	36 x 16/24	40 x 16/24	
24 1/16"	28 1/16"	32 1/16"	34 1/16"	36 1/16"	38 1/16"	40 1/16"	44 1/16"	48 1/16"	
2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"
16 x 24/16	20 x 24/16	24 x 24/16	26 x 24/16	28 x 24/16	30 x 24/16	32 x 24/16	36 x 24/16	40 x 24/16	
36 1/24"	40 1/24"	44 1/24"	46 1/24"	48 1/24"	50 1/24"	52 1/24"	56 1/24"	60 1/24"	
2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"
16 x 36/24	20 x 36/24	24 x 36/24	26 x 36/24	28 x 36/24	30 x 36/24	32 x 36/24	36 x 36/24	40 x 36/24	
24 1/36"	28 1/36"	32 1/36"	34 1/36"	36 1/36"	38 1/36"	40 1/36"	44 1/36"	48 1/36"	
2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"	2 1/8"
16 x 24/36	20 x 24/36	24 x 24/36	26 x 24/36	28 x 24/36	30 x 24/36	32 x 24/36	36 x 24/36	40 x 24/36	



Vertical Cross Section



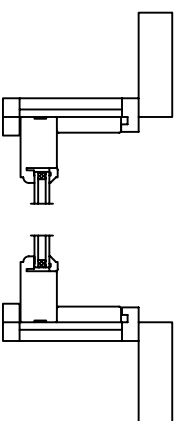
Jamb View



Mullion Detail

Classic Double Hung

Green Mountain Window
92 Park Street, Rutland, Vermont



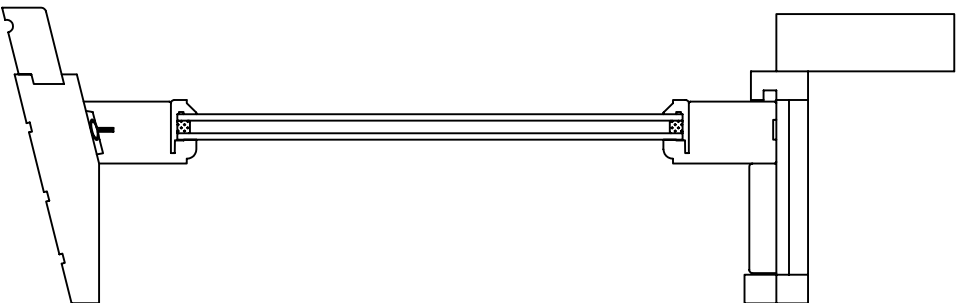
Cross Section



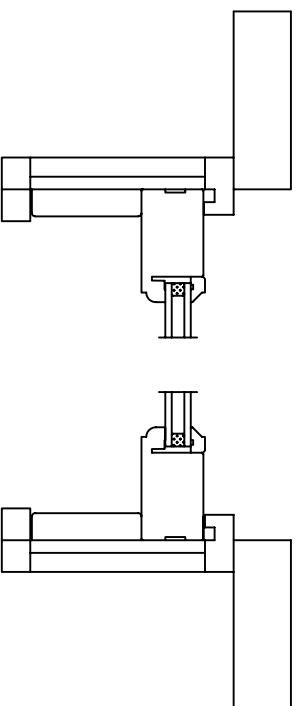
Vertical Cross Section

Classic Picture Window

Green Mountain Window
92 Park Street, Rutland, Vermont



Vertical Cross Section



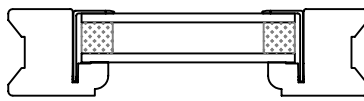
Cross Section

Double Hung Transom Window

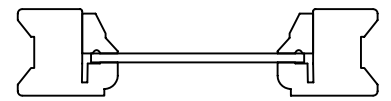
Green Mountain Window
92 Park Street, Rutland, Vermont



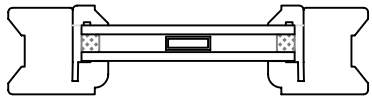
I. G., No Lites
Wood Bead



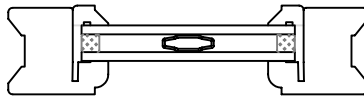
I.G., No Lites
Vinyl Bead



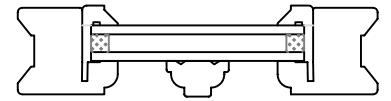
No Lites
Single Glass



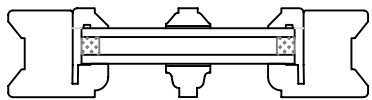
Flat Airspace



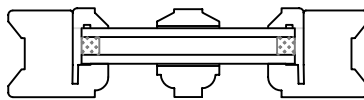
Profile Airspace



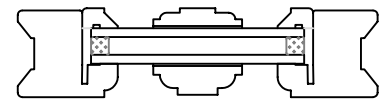
7/8" Grille



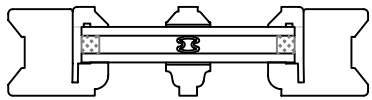
5/8" SDL



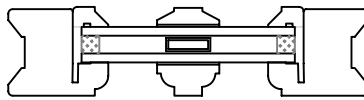
7/8" SDL



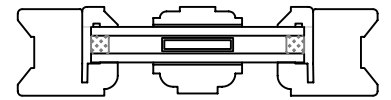
1 1/4" SDL



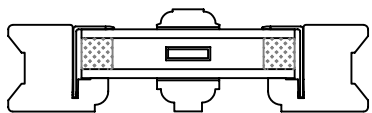
5/8" SDL
with Spacer Bar



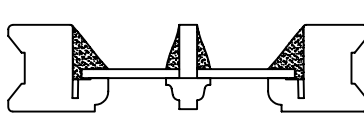
7/8" SDL
with Spacer Bar



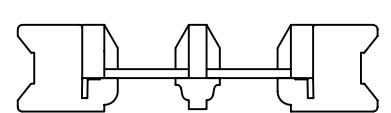
1 1/4" SDL
with Spacer Bar



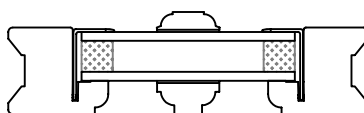
I.G., 7/8" SDL
with Spacer Bar
Vinyl Bead



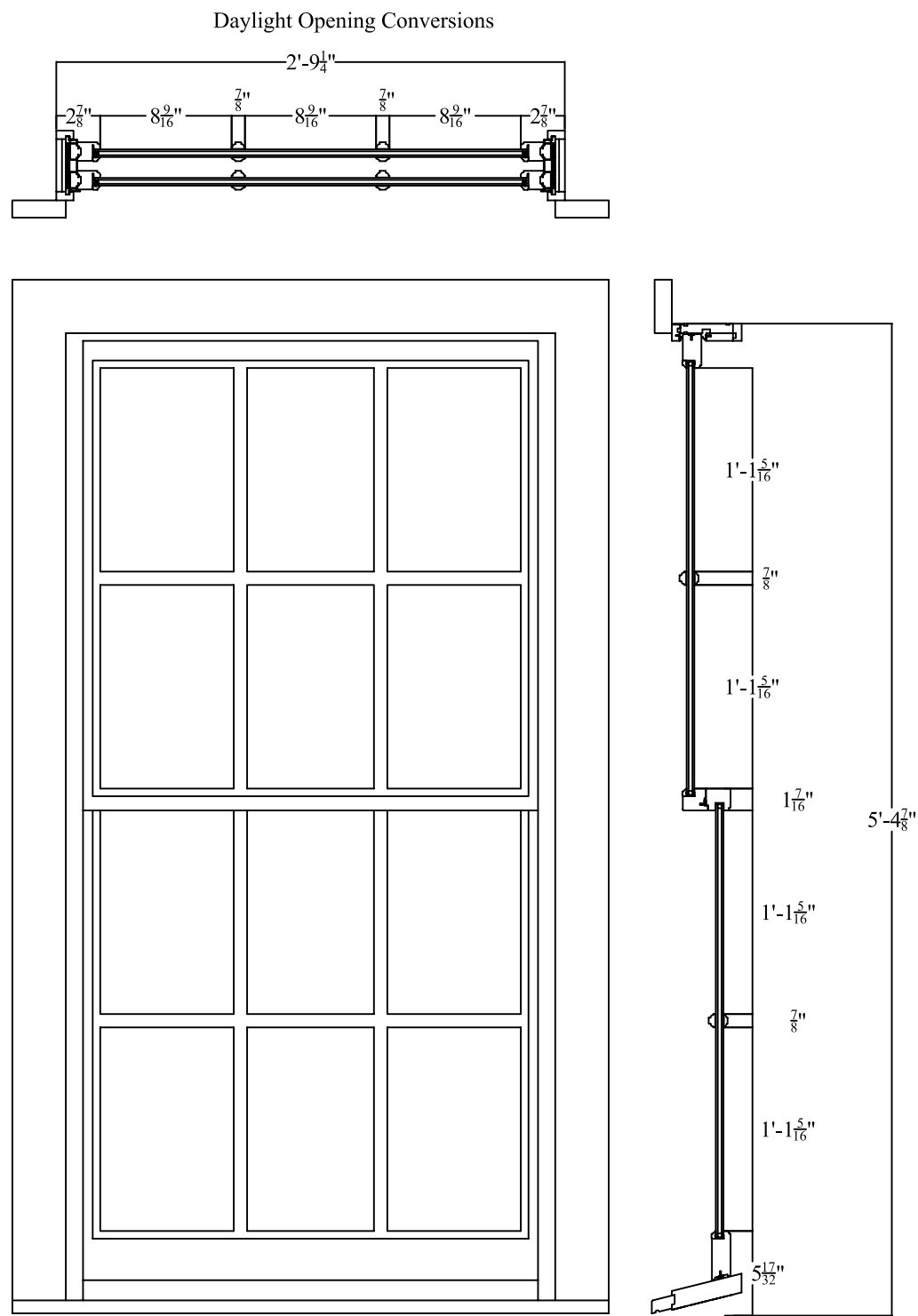
5/8" TDL
Single Glass
Putty Glaze



5/8" TDL
Single Glass
Wood Bead



I.G., 7/8" SDL
Vinyl Bead



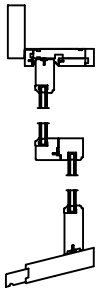
CDH 2828

Note: the example above only applies to a 28 x 28 with 7/8" muntins in a 6/6 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.

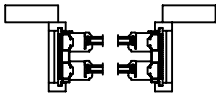
$$\frac{\text{Overall DLO} - (\text{sum of all bar widths})}{\text{Number of Lites}} = 1.14$$

GLASS CASE FRAME ROUGH SIZE D.P.G.	16" 8" 10 5/16"	20" 10" 2 1 5/16"	24" 12" 2 4 5/16"	28" 14" 2 6 5/16"	32" 16" 2 8 5/16"	36" 18" 2 10 5/16"	40" 20" 2 12 5/16"	44" 22" 2 14 5/16"	48" 24" 2 16 5/16"
16" 6" 8 7/8"	CDH 1612	CDH 2012	CDH 2412	CDH 2612	CDH 2812	CDH 3012	CDH 3212	CDH 3612	CDH 4012
14" 6" 8 7/8"	CDH 1614	CDH 2014	CDH 2414	CDH 2614	CDH 2814	CDH 3014	CDH 3214	CDH 3614	CDH 4014
16" 6" 8 7/8"	CDH 1616	CDH 2016	CDH 2416	CDH 2616	CDH 2816	CDH 3016	CDH 3216	CDH 3616	CDH 4016
18" 6" 8 7/8"	CDH 1618	CDH 2018	CDH 2418	CDH 2618	CDH 2818	CDH 3018	CDH 3218	CDH 3618	CDH 4018
20" 6" 8 7/8"	CDH 1620	CDH 2020	CDH 2420	CDH 2620	CDH 2820	CDH 3020	CDH 3220	CDH 3620	CDH 4020
22" 6" 8 7/8"	CDH 1622	CDH 2022	CDH 2422	CDH 2622	CDH 2822	CDH 3022	CDH 3222	CDH 3622	CDH 4022
24" 6" 8 7/8"	CDH 1624	CDH 2024	CDH 2424	CDH 2624	CDH 2824	CDH 3024	CDH 3224E	CDH 3624E	CDH 4024E
26" 6" 8 7/8"	CDH 1626	CDH 2026	CDH 2426	CDH 2626	CDH 2826	CDH 3026E	CDH 3226E	CDH 3626E	CDH 4026E
28" 6" 8 7/8"	CDH 1628	CDH 2028	CDH 2428	CDH 2628	CDH 2828E	CDH 3028E	CDH 3228E	CDH 3628E	CDH 4028E
30" 6" 8 7/8"	CDH 1630	CDH 2030	CDH 2430	CDH 2630E	CDH 2830E	CDH 3030E	CDH 3230E	CDH 3630E	CDH 4030E
32" 6" 8 7/8"	CDH 1632	CDH 2032	CDH 2432E	CDH 2632E	CDH 2832E	CDH 3032E	CDH 3232E	CDH 3632E	CDH 4032E
34" 6" 8 7/8"	CDH 1634	CDH 2034	CDH 2434E	CDH 2634E	CDH 2834E	CDH 3034E	CDH 3234E	CDH 3634E	CDH 4034E
36" 6" 8 7/8"	CDH 1636	CDH 2036	CDH 2436E	CDH 2636E	CDH 2836E	CDH 3036E	CDH 3236E	CDH 3636E	CDH 4036E

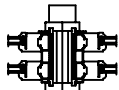
Standard Double Hung



Jamb View

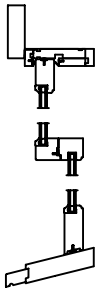


Mullion Detail

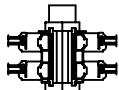


GLASS CASE FRAME ROUGH CIPG	SIZE 16"	SIZE 20"	SIZE 24"	SIZE 28"	SIZE 30"	SIZE 32"	SIZE 36"	SIZE 40"
16" 6" 8" 7/8" 2" 5/16"								
16" 6" 8" 7/8" 2" 5/16"	CDH 1612	CDH 2012	CDH 2412	CDH 2612	CDH 2812	CDH 3012	CDH 3612	CDH 4012
16" 6" 8" 7/8" 2" 5/16"								
16" 6" 8" 7/8" 2" 5/16"	CDH 1614	CDH 2014	CDH 2414	CDH 2614	CDH 2814	CDH 3014	CDH 3614	CDH 4014
16" 6" 8" 7/8" 2" 5/16"								
16" 6" 8" 7/8" 2" 5/16"	CDH 1616	CDH 2016	CDH 2416	CDH 2616	CDH 2816	CDH 3016	CDH 3616	CDH 4016
16" 6" 8" 7/8" 2" 5/16"								
16" 6" 8" 7/8" 2" 5/16"	CDH 1618	CDH 2018	CDH 2418	CDH 2618	CDH 2818	CDH 3018	CDH 3618	CDH 4018
20" 10" 4" 1 3/8" 2" 5/16"								
20" 10" 4" 1 3/8" 2" 5/16"	CDH 1620	CDH 2020	CDH 2420	CDH 2620	CDH 2820	CDH 3020	CDH 3620	CDH 4020
20" 10" 4" 1 3/8" 2" 5/16"								
20" 10" 4" 1 3/8" 2" 5/16"	CDH 1622	CDH 2022	CDH 2422	CDH 2622	CDH 2822	CDH 3022	CDH 3622	CDH 4022
24" 10" 4" 1 3/8" 2" 5/16"								
24" 10" 4" 1 3/8" 2" 5/16"	CDH 1624	CDH 2024	CDH 2424	CDH 2624	CDH 2824	CDH 3024	CDH 3624E	CDH 4024E
24" 10" 4" 1 3/8" 2" 5/16"								
24" 10" 4" 1 3/8" 2" 5/16"	CDH 1626	CDH 2026	CDH 2426	CDH 2626	CDH 2826	CDH 3026E	CDH 3626E	CDH 4026E
28" 10" 4" 1 3/8" 2" 5/16"								
28" 10" 4" 1 3/8" 2" 5/16"	CDH 1628	CDH 2028	CDH 2428	CDH 2628	CDH 2828E	CDH 3028E	CDH 3628E	CDH 4028E
30" 10" 4" 1 3/8" 2" 5/16"								
30" 10" 4" 1 3/8" 2" 5/16"	CDH 1630	CDH 2030	CDH 2430	CDH 2630E	CDH 2830E	CDH 3030E	CDH 3630E	CDH 4030E
30" 10" 4" 1 3/8" 2" 5/16"								
30" 10" 4" 1 3/8" 2" 5/16"	CDH 1632	CDH 2032	CDH 2432E	CDH 2632E	CDH 2832E	CDH 3032E	CDH 3632E	CDH 4032E
34" 10" 4" 1 3/8" 2" 5/16"								
34" 10" 4" 1 3/8" 2" 5/16"	CDH 1634	CDH 2034	CDH 2434E	CDH 2634E	CDH 2834E	CDH 3034E	CDH 3634E	CDH 4034E
36" 10" 4" 1 3/8" 2" 5/16"								
36" 10" 4" 1 3/8" 2" 5/16"	CDH 1636	CDH 2036	CDH 2436E	CDH 2636E	CDH 2836E	CDH 3036E	CDH 3636E	CDH 4036E

Standard Double Hung



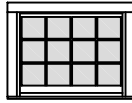
Jamb View



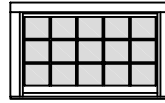
Mullion Detail

GLASS SIZE	36"	48"	56"
SASH	3' 4"	4' 4"	5'
FRAME SIZE	3' 5 5/16"	4' 5 5/16"	5' 1 5/16"
ROUGH DPG.	3' 6 5/16"	4' 6 5/16"	5' 2 5/16"

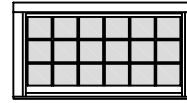
25'
2' 6"
2' 8"
2' 9 3/8"



DH3625 PICT

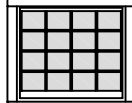


DH4825 PICT

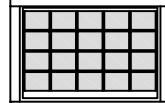


DH5625 PICT

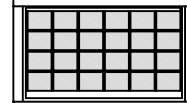
29'
2' 10"
3' 7/8"
3' 1 3/8"



DH3629 PICT

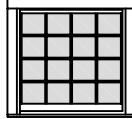


DH4829 PICT

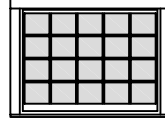


DH5629 PICT

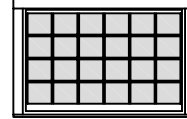
33'
3' 2"
3' 4 7/8"
3' 5 3/8"



DH3633 PICT

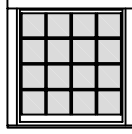


DH4833 PICT

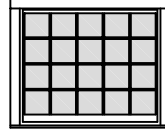


DH5633 PICT

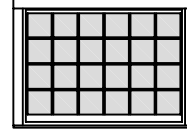
37'
3' 6"
3' 8 7/8"
3' 9 3/8"



DH3637 PICT

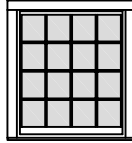


DH4837 PICT

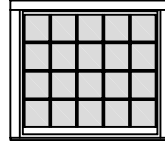


DH5637 PICT

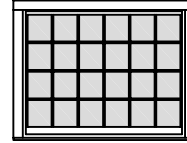
41'
3' 10"
4' 7/8"
4' 1 3/8"



DH3641 PICT

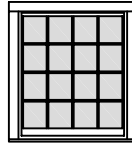


DH4841 PICT

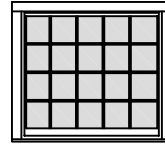


DH5641 PICT

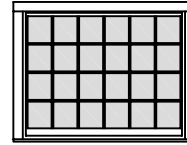
45'
4' 2"
4' 4 7/8"
4' 5 3/8"



DH3645 PICT

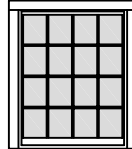


DH4845 PICT

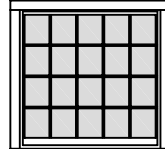


DH5645 PICT

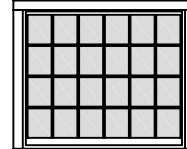
49'
4' 6"
4' 8 7/8"
4' 9 3/8"



DH3649 PICT

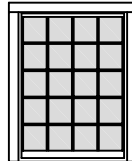


DH4849 PICT

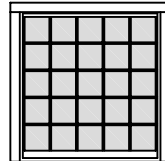


DH5649 PICT

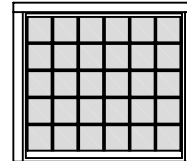
53'
4' 10"
5' 7/8"
5' 1 3/8"



DH3653 PICT

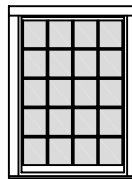


DH4853 PICT

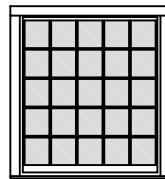


DH5653 PICT

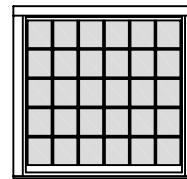
57'
5' 2"
5' 4 7/8"
5' 5 3/8"



DH3657 PICT

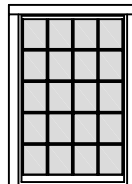


DH4857 PICT

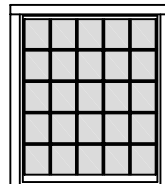


DH5657 PICT

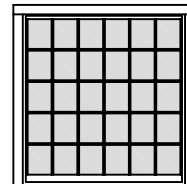
61'
5' 6"
5' 8 7/8"
5' 9 3/8"



DH3661 PICT



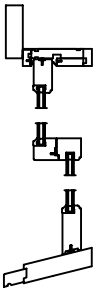
DH4861 PICT



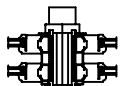
DH5661 PICT

GLASS BASE FRAME ROUGH	SIZE DIP	16" 10 5/16"	20" 12 1/2 5/16"	24" 14 4 5/16"	28" 16 5 5/16"	32" 18 5 5/16"	36" 20 5 5/16"	40" 22 5 5/16"		
12" 8 3/8"	12" 8 3/8"	 CDH 1612	 CDH 2012	 CDH 2412	 CDH 2612	 CDH 2812	 CDH 3012	 CDH 3212	 CDH 3612	 CDH 4012
14" 9 1/8"	14" 9 1/8"	 CDH 1614	 CDH 2014	 CDH 2414	 CDH 2614	 CDH 2814	 CDH 3014	 CDH 3214	 CDH 3614	 CDH 4014
16" 9 7/8"	16" 9 7/8"	 CDH 1616	 CDH 2016	 CDH 2416	 CDH 2616	 CDH 2816	 CDH 3016	 CDH 3216	 CDH 3616	 CDH 4016
18" 9 7/8"	18" 9 7/8"	 CDH 1618	 CDH 2018	 CDH 2418	 CDH 2618	 CDH 2818	 CDH 3018	 CDH 3218	 CDH 3618	 CDH 4018
20" 9 7/8"	20" 9 7/8"	 CDH 1620	 CDH 2020	 CDH 2420	 CDH 2620	 CDH 2820	 CDH 3020	 CDH 3220	 CDH 3620	 CDH 4020
22" 9 7/8"	22" 9 7/8"	 CDH 1622	 CDH 2022	 CDH 2422	 CDH 2622	 CDH 2822	 CDH 3022	 CDH 3222	 CDH 3622	 CDH 4022
24" 9 7/8"	24" 9 7/8"	 CDH 1624	 CDH 2024	 CDH 2424	 CDH 2624	 CDH 2824	 CDH 3024	 CDH 3224E	 CDH 3624E	 CDH 4024E
26" 9 7/8"	26" 9 7/8"	 CDH 1626	 CDH 2026	 CDH 2426	 CDH 2626	 CDH 2826	 CDH 3026E	 CDH 3226E	 CDH 3626E	 CDH 4026E
28" 9 7/8"	28" 9 7/8"	 CDH 1628	 CDH 2028	 CDH 2428	 CDH 2628	 CDH 2828E	 CDH 3028E	 CDH 3228E	 CDH 3628E	 CDH 4028E
30" 9 7/8"	30" 9 7/8"	 CDH 1630	 CDH 2030	 CDH 2430	 CDH 2630E	 CDH 2830E	 CDH 3030E	 CDH 3230E	 CDH 3630E	 CDH 4030E
32" 9 7/8"	32" 9 7/8"	 CDH 1632	 CDH 2032	 CDH 2432E	 CDH 2632E	 CDH 2832E	 CDH 3032E	 CDH 3232E	 CDH 3632E	 CDH 4032E
34" 9 7/8"	34" 9 7/8"	 CDH 1634	 CDH 2034	 CDH 2434E	 CDH 2634E	 CDH 2834E	 CDH 3034E	 CDH 3234E	 CDH 3634E	 CDH 4034E
36" 9 7/8"	36" 9 7/8"	 CDH 1636	 CDH 2036	 CDH 2436E	 CDH 2636E	 CDH 2836E	 CDH 3036E	 CDH 3236E	 CDH 3636E	 CDH 4036E

Standard Double Hung



Jamb View

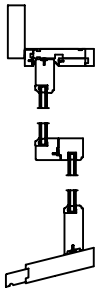


Mullion Detail

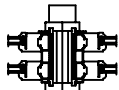


GLASS CASE FRAME ROUGH CNG	SIZE 16" 10	SIZE 20" 10 5/16"	SIZE 24" 15 5/16"	SIZE 28" 18 5/16"	SIZE 32" 21 5/16"	SIZE 36" 24 5/16"	SIZE 40" 28 5/16"		
16" 10	 CDH 1612	 CDH 2012	 CDH 2412	 CDH 2612	 CDH 2812	 CDH 3012	 CDH 3212	 CDH 3612	 CDH 4012
16" 10 5/16"	 CDH 1614	 CDH 2014	 CDH 2414	 CDH 2614	 CDH 2814	 CDH 3014	 CDH 3214	 CDH 3614	 CDH 4014
16" 10 5/16"	 CDH 1616	 CDH 2016	 CDH 2416	 CDH 2616	 CDH 2816	 CDH 3016	 CDH 3216	 CDH 3616	 CDH 4016
16" 10 5/16"	 CDH 1618	 CDH 2018	 CDH 2418	 CDH 2618	 CDH 2818	 CDH 3018	 CDH 3218	 CDH 3618	 CDH 4018
16" 10 5/16"	 CDH 1620	 CDH 2020	 CDH 2420	 CDH 2620	 CDH 2820	 CDH 3020	 CDH 3220	 CDH 3620	 CDH 4020
16" 10 5/16"	 CDH 1622	 CDH 2022	 CDH 2422	 CDH 2622	 CDH 2822	 CDH 3022	 CDH 3222	 CDH 3622	 CDH 4022
16" 10 5/16"	 CDH 1624	 CDH 2024	 CDH 2424	 CDH 2624	 CDH 2824	 CDH 3024	 CDH 3224E	 CDH 3624E	 CDH 4024E
16" 10 5/16"	 CDH 1626	 CDH 2026	 CDH 2426	 CDH 2626	 CDH 2826	 CDH 3026E	 CDH 3226E	 CDH 3626E	 CDH 4026E
16" 10 5/16"	 CDH 1628	 CDH 2028	 CDH 2428	 CDH 2628	 CDH 2828E	 CDH 3028E	 CDH 3228E	 CDH 3628E	 CDH 4028E
16" 10 5/16"	 CDH 1630	 CDH 2030	 CDH 2430	 CDH 2630E	 CDH 2830E	 CDH 3030E	 CDH 3230E	 CDH 3630E	 CDH 4030E
16" 10 5/16"	 CDH 1632	 CDH 2032	 CDH 2432E	 CDH 2632E	 CDH 2832E	 CDH 3032E	 CDH 3232E	 CDH 3632E	 CDH 4032E
16" 10 5/16"	 CDH 1634	 CDH 2034	 CDH 2434E	 CDH 2634E	 CDH 2834E	 CDH 3034E	 CDH 3234E	 CDH 3634E	 CDH 4034E
16" 10 5/16"	 CDH 1636	 CDH 2036	 CDH 2436E	 CDH 2636E	 CDH 2836E	 CDH 3036E	 CDH 3236E	 CDH 3636E	 CDH 4036E

Standard Double Hung



Jamb View



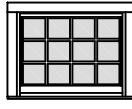
Mullion Detail

GLASS SIZE 36"
SASH 3' 4"
FRAME SIZE 3' 5 5/16"
ROUGH DPG. 3' 6 5/16"

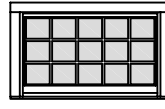
48"
4' 4"
4' 5 5/16"
4' 6 5/16"

56"
5'
5' 1 5/16"
5' 2 5/16"

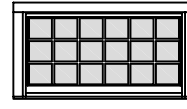
25'
2' 6"
2' 8 7/8"
2' 9 3/8"



DH3625 PICT

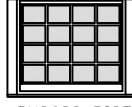


DH4825 PICT

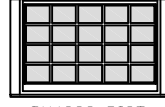


DH5625 PICT

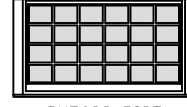
29'
2' 10"
3' 7/8"
3' 1 3/8"



DH3629 PICT



DH4829 PICT



DH5629 PICT

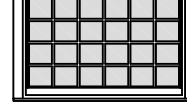
33'
3' 2"
3' 4 7/8"
3' 5 3/8"



DH3633 PICT

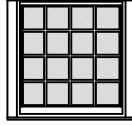


DH4833 PICT

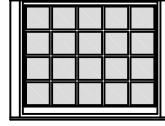


DH5633 PICT

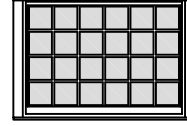
37'
3' 6"
3' 8 7/8"
3' 9 3/8"



DH3637 PICT

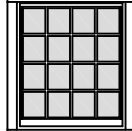


DH4837 PICT

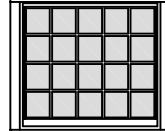


DH5637 PICT

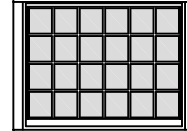
41'
3' 10"
4' 7/8"
4' 1 3/8"



DH3641 PICT

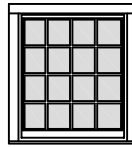


DH4841 PICT

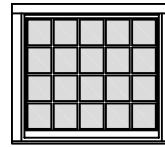


DH5641 PICT

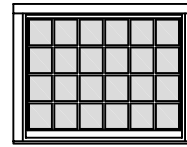
45'
4' 2"
4' 4 7/8"
4' 5 3/8"



DH3645 PICT

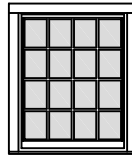


DH4845 PICT

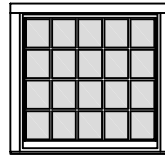


DH5645 PICT

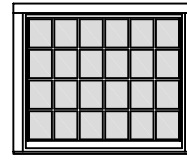
49'
4' 6"
4' 8 7/8"
4' 9 3/8"



DH3649 PICT

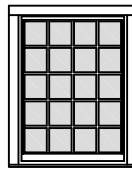


DH4849 PICT

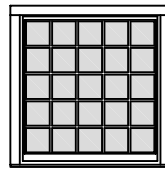


DH5649 PICT

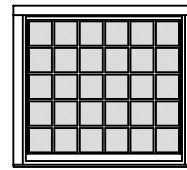
53'
4' 10"
5' 7/8"
5' 1 3/8"



DH3653 PICT

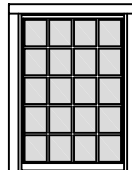


DH4853 PICT

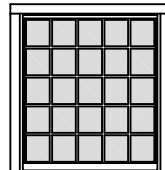


DH5653 PICT

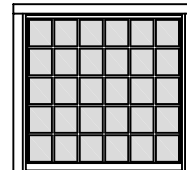
57'
5' 2"
5' 4 7/8"
5' 5 3/8"



DH3657 PICT

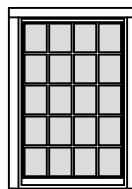


DH4857 PICT

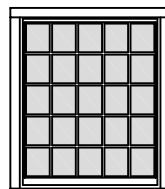


DH5657 PICT

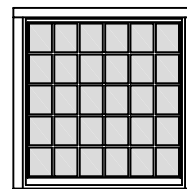
61'
5' 6"
5' 8 7/8"
5' 9 3/8"



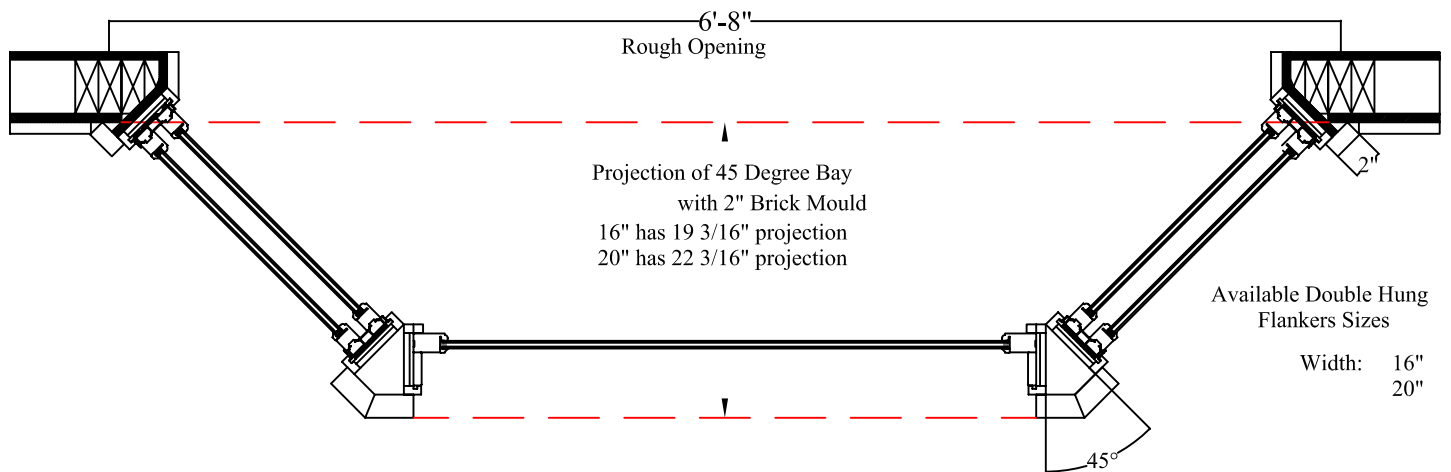
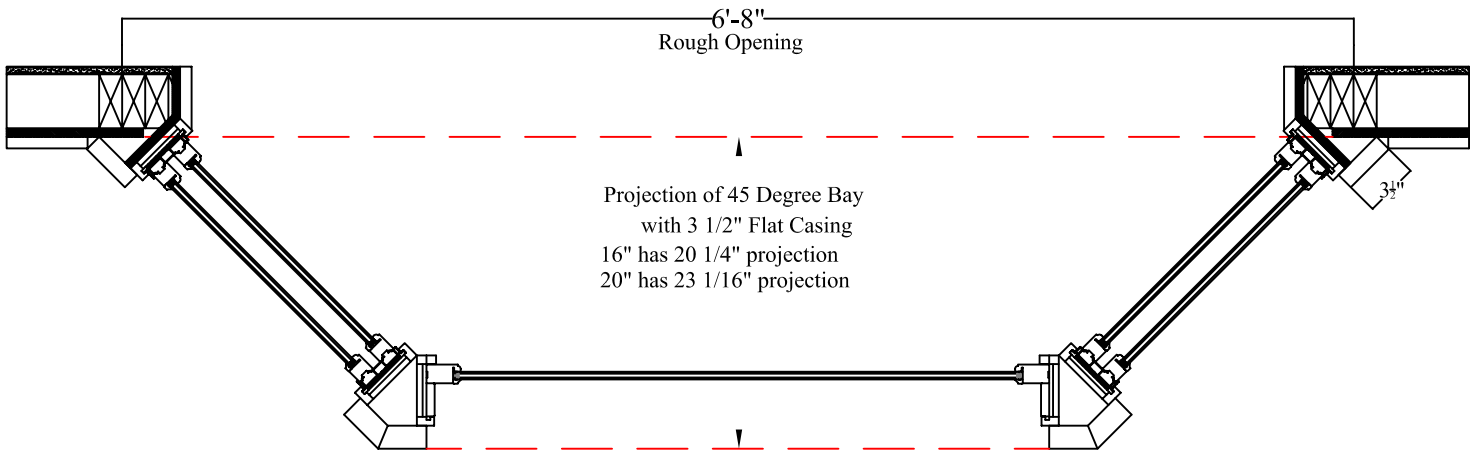
DH3661 PICT



DH4861 PICT



DH5661 PICT



Available Double Hung
Flankers Sizes

Width: 16"
20"

Available Picture Window Sizes

Width:	36"	Height:	29"
	48"		33"
	56"		41"
			45"
			49"
			53"
			57"