

Clad Ultimate Casement Venting Picture

Unit Features.....	1
Venting Opening and Volume of Air Movement	2
Daylight Measurement - Venting Picture.....	6
Minimum and Maximum Guidelines/Certified Ratings.....	9
Measurement Conversions/Sash Travel Information	10
Standard Unit Measurement: Venting Picture	11
Section Details: 3/4" IG and 1" IG	12
Section Details: Casing 6 9/16" Jamb	13
Section Details: Mullion	14

Clad Ultimate Casement Venting Picture

Unit Features

Ultimate Casement Venting Picture Window - CUCAVP

Hardware:

- The Venting Picture unit utilizes hardware which operates and locks the sash. The sliding mechanisms attached to the frame operate the hinges which project the sash outward, parallel to the frame. The unit is operated using two handles, located on each the side jambs. Venting picture hardware does not allow this unit to be used for egress applications.
- The Venting Picture hardware allows the sash to project outward 2 1/4" (57) to allow for ventilation.
- Handles are operated simultaneously on widths less than 36" (914) and independently on widths greater than 36" (914).
- Standard handle is made of zinc and painted Satin Taupe. Optional finishes: White, Bronze, Brass, Satin Chrome, Antique Brass, Oil Rubbed Bronze, Satin Nickel, and Polished Chrome.
- Optional tall handle location available on units with OM height of 77 1/8" (1959) or greater, places center of handle 36" (914) from bottom of unit.

Weather Strip:

- The weather strip on the frame consists of a low-durometer hollow bulb on top of a flexible barbed stem. The material is UV resistant, durable, has a low CTE, and is flexible enough to be bent around 90 degree corners. The bent weather strip allows for no seams in the corners.
- The frame weather strip is beige.
- The sash weather strip is made of a glass filled polypropylene material with a flexible bulb and is formulated to be UV resistant, have a low COE, and slide easily in and out of the frame.
- The sash weather strip is available in white, beige and black.

Screening:

- The Venting Picture window screen is fabricated with silver gray fiberglass screen mesh encasing a reticulated foam bulb which is retained by a vinyl carrier and fastened to the sash with adhesive tape. The position of the screen bulb places it in contact with the frame to block insects and large air born particles while still allowing airflow.

Clad Ultimate Casement Venting Picture

Venting Opening and Volume of Air Movement

CN	Opening Vent Width		Opening Vent Height		Vent Opening		Volume of Air Movement	
	ft - in	mm	ft - in	mm	ft ²	m ²	ft ²	m ²
1636	1-2 1/16	(357)	2-9 3/16	(843)	0.27	(0.025)	20.14	(0.57)
1640	1-2 1/16	(357)	3-1 3/16	(944)	0.29	(0.027)	21.84	(0.62)
1644	1-2 1/16	(357)	3-5 3/16	(1046)	0.31	(0.029)	23.55	(0.67)
1648	1-2 1/16	(357)	3-9 3/16	(1147)	0.34	(0.031)	25.25	(0.72)
1654	1-2 1/16	(357)	4-3 3/16	(1300)	0.37	(0.034)	27.81	(0.79)
1656	1-2 1/16	(357)	4-5 3/16	(1351)	0.38	(0.035)	28.66	(0.81)
1660	1-2 1/16	(357)	4-9 3/16	(1452)	0.40	(0.038)	30.37	(0.86)
1664	1-2 1/16	(357)	5-1 3/16	(1554)	0.43	(0.040)	32.07	(0.91)
1672 T	1-2 1/16	(357)	5-9 3/16	(1757)	0.47	(0.044)	35.49	(1.00)
1678 T	1-2 1/16	(357)	6-3 3/16	(1909)	0.51	(0.047)	38.04	(1.08)
1684 T	1-2 1/16	(357)	6-9 3/16	(2062)	0.54	(0.050)	40.60	(1.15)
1692 T	1-2 1/16	(357)	7-5 3/16	(2265)	0.59	(0.054)	44.01	(1.25)
1696 T	1-2 1/16	(357)	7-9 3/16	(2367)	0.61	(0.057)	45.72	(1.29)
1836	1-4 1/16	(408)	2-9 3/16	(843)	0.28	(0.026)	20.99	(0.59)
1840	1-4 1/16	(408)	3-1 3/16	(944)	0.30	(0.028)	22.69	(0.64)
1844	1-4 1/16	(408)	3-5 3/16	(1046)	0.33	(0.030)	24.40	(0.69)
1848	1-4 1/16	(408)	3-9 3/16	(1147)	0.35	(0.032)	26.10	(0.74)
1854	1-4 1/16	(408)	4-3 3/16	(1300)	0.38	(0.035)	28.66	(0.81)
1856	1-4 1/16	(408)	4-5 3/16	(1351)	0.39	(0.037)	29.52	(0.84)
1860	1-4 1/16	(408)	4-9 3/16	(1452)	0.42	(0.039)	31.22	(0.88)
1864	1-4 1/16	(408)	5-1 3/16	(1554)	0.44	(0.041)	32.93	(0.93)
1872 T	1-4 1/16	(408)	5-9 3/16	(1757)	0.48	(0.045)	36.34	(1.03)
1878 T	1-4 1/16	(408)	6-3 3/16	(1909)	0.52	(0.048)	38.90	(1.10)
1884 T	1-4 1/16	(408)	6-9 3/16	(2062)	0.55	(0.051)	41.46	(1.17)
1892 T	1-4 1/16	(408)	7-5 3/16	(2265)	0.60	(0.056)	44.87	(1.27)
1896 T	1-4 1/16	(408)	7-9 3/16	(2367)	0.62	(0.058)	46.57	(1.32)
2036	1-6 1/16	(458)	2-9 3/16	(843)	0.29	(0.027)	21.84	(0.62)
2040	1-6 1/16	(458)	3-1 3/16	(944)	0.31	(0.029)	23.55	(0.67)
2044	1-6 1/16	(458)	3-5 3/16	(1046)	0.34	(0.031)	25.25	(0.72)
2048	1-6 1/16	(458)	3-9 3/16	(1147)	0.36	(0.033)	26.96	(0.76)
2054	1-6 1/16	(458)	4-3 3/16	(1300)	0.39	(0.037)	29.52	(0.84)
2056	1-6 1/16	(458)	4-5 3/16	(1351)	0.40	(0.038)	30.37	(0.86)
2060	1-6 1/16	(458)	4-9 3/16	(1452)	0.43	(0.040)	32.07	(0.91)
2064	1-6 1/16	(458)	5-1 3/16	(1554)	0.45	(0.042)	33.78	(0.96)
2072 T	1-6 1/16	(458)	5-9 3/16	(1757)	0.50	(0.046)	37.19	(1.05)
2078 T	1-6 1/16	(458)	6-3 3/16	(1909)	0.53	(0.049)	39.75	(1.13)
2084 T	1-6 1/16	(458)	6-9 3/16	(2062)	0.56	(0.052)	42.31	(1.20)
2092 T	1-6 1/16	(458)	7-5 3/16	(2265)	0.61	(0.057)	45.72	(1.29)
2096 T	1-6 1/16	(458)	7-9 3/16	(2367)	0.63	(0.059)	47.43	(1.34)
2436	1-10 1/16	(560)	2-9 3/16	(843)	0.31	(0.029)	23.55	(0.67)
2440	1-10 1/16	(560)	3-1 3/16	(944)	0.34	(0.031)	25.25	(0.72)
2444	1-10 1/16	(560)	3-5 3/16	(1046)	0.36	(0.033)	26.96	(0.76)
2448	1-10 1/16	(560)	3-9 3/16	(1147)	0.38	(0.035)	28.66	(0.81)
2454	1-10 1/16	(560)	4-3 3/16	(1300)	0.42	(0.039)	31.22	(0.88)

NOTE: Clad Ultimate Venting Picture Window Air Volume Formula - Stated Volume is based on 1 MPH wind (88.0 ft. min.). To determine volume for other speeds of wind, convert the wind speed from MPH to feet per minute and use the following equation: Volume in cubic feet per minute = Area Velocity of Wind (ex. CN6464:.70 x 88.0 ft./mn x .852 = 52.54 cubic feet per minute (volume of air). 0.853 represents the resistance of air movement through the venting picture screen system.

Clad Ultimate Casement Venting Picture

Venting Opening and Volume of Air Movement

CN	Opening Vent Width		Opening Vent Height		Vent Opening		Volume of Air Movement	
	ft - in	mm	ft - in	mm	ft ²	m ²	ft ²	m ²
2456	1-10 1/16	(560)	4-5 3/16	(1351)	0.43	(0.040)	32.07	(0.91)
2460	1-10 1/16	(560)	4-9 3/16	(1452)	0.45	(0.042)	33.78	(0.96)
2464	1-10 1/16	(560)	5-1 3/16	(1554)	0.47	(0.044)	35.49	(1.00)
2472 T	1-10 1/16	(560)	5-9 3/16	(1757)	0.52	(0.048)	38.90	(1.10)
2478 T	1-10 1/16	(560)	6-3 3/16	(1909)	0.55	(0.051)	41.46	(1.17)
2484 T	1-10 1/16	(560)	6-9 3/16	(2062)	0.59	(0.054)	44.01	(1.25)
2492 T	1-10 1/16	(560)	7-5 3/16	(2265)	0.63	(0.059)	47.43	(1.34)
2496 T	1-10 1/16	(560)	7-9 3/16	(2367)	0.65	(0.061)	49.13	(1.39)
2636	2-0 1/16	(611)	2-9 3/16	(843)	0.33	(0.030)	24.40	(0.69)
2640	2-0 1/16	(611)	3-1 3/16	(944)	0.35	(0.032)	26.10	(0.74)
2644	2-0 1/16	(611)	3-5 3/16	(1046)	0.37	(0.034)	27.81	(0.79)
2648	2-0 1/16	(611)	3-9 3/16	(1147)	0.39	(0.037)	29.52	(0.84)
2654	2-0 1/16	(611)	4-3 3/16	(1300)	0.43	(0.040)	32.07	(0.91)
2656	2-0 1/16	(611)	4-5 3/16	(1351)	0.44	(0.041)	32.93	(0.93)
2660	2-0 1/16	(611)	4-9 3/16	(1452)	0.46	(0.043)	34.63	(0.98)
2664	2-0 1/16	(611)	5-1 3/16	(1554)	0.48	(0.045)	36.34	(1.03)
2672 T	2-0 1/16	(611)	5-9 3/16	(1757)	0.53	(0.049)	39.75	(1.13)
2678 T	2-0 1/16	(611)	6-3 3/16	(1909)	0.56	(0.052)	42.31	(1.20)
2684 T	2-0 1/16	(611)	6-9 3/16	(2062)	0.60	(0.056)	44.87	(1.27)
2692 T	2-0 1/16	(611)	7-5 3/16	(2265)	0.64	(0.060)	48.28	(1.37)
2696 T	2-0 1/16	(611)	7-9 3/16	(2367)	0.67	(0.062)	49.98	(1.42)
2836	2-2 1/16	(662)	2-9 3/16	(843)	0.34	(0.031)	25.25	(0.72)
2840	2-2 1/16	(662)	3-1 3/16	(944)	0.36	(0.033)	26.96	(0.76)
2844	2-2 1/16	(662)	3-5 3/16	(1046)	0.38	(0.035)	28.66	(0.81)
2848	2-2 1/16	(662)	3-9 3/16	(1147)	0.40	(0.038)	30.37	(0.86)
2854	2-2 1/16	(662)	4-3 3/16	(1300)	0.44	(0.041)	32.93	(0.93)
2856	2-2 1/16	(662)	4-5 3/16	(1351)	0.45	(0.042)	33.78	(0.96)
2860	2-2 1/16	(662)	4-9 3/16	(1452)	0.47	(0.044)	35.49	(1.00)
2864	2-2 1/16	(662)	5-1 3/16	(1554)	0.50	(0.046)	37.19	(1.05)
2872 T	2-2 1/16	(662)	5-9 3/16	(1757)	0.54	(0.050)	40.60	(1.15)
2878 T	2-2 1/16	(662)	6-3 3/16	(1909)	0.57	(0.053)	43.16	(1.22)
2884 T	2-2 1/16	(662)	6-9 3/16	(2062)	0.61	(0.057)	45.72	(1.29)
2892 T	2-2 1/16	(662)	7-5 3/16	(2265)	0.65	(0.061)	49.13	(1.39)
2896 T	2-2 1/16	(662)	7-9 3/16	(2367)	0.68	(0.063)	50.84	(1.44)
3036	2-4 1/16	(712)	2-9 3/16	(843)	0.35	(0.032)	26.10	(0.74)
3040	2-4 1/16	(712)	3-1 3/16	(944)	0.37	(0.034)	27.81	(0.79)
3044	2-4 1/16	(712)	3-5 3/16	(1046)	0.39	(0.037)	29.52	(0.84)
3048	2-4 1/16	(712)	3-9 3/16	(1147)	0.42	(0.039)	31.22	(0.88)
3054	2-4 1/16	(712)	4-3 3/16	(1300)	0.45	(0.042)	33.78	(0.96)
3056	2-4 1/16	(712)	4-5 3/16	(1351)	0.46	(0.043)	34.63	(0.98)
3060	2-4 1/16	(712)	4-9 3/16	(1452)	0.48	(0.045)	36.34	(1.03)
3064	2-4 1/16	(712)	5-1 3/16	(1554)	0.51	(0.047)	38.04	(1.08)
3072 T	2-4 1/16	(712)	5-9 3/16	(1757)	0.55	(0.051)	41.46	(1.17)

NOTE: Clad Ultimate Venting Picture Window Air Volume Formula - Stated Volume is based on 1 MPH wind (88.0 ft. min.). To determine volume for other speeds of wind, convert the wind speed from MPH to feet per minute and use the following equation: Volume in cubic feet per minute = Area Velocity of Wind (ex. CN6464:.70 x 88.0 ft./mn x .852 = 52.54 cubic feet per minute (volume of air). 0.853 represents the resistance of air movement through the venting picture screen system.

Clad Ultimate Casement Venting Picture

Venting Opening and Volume of Air Movement

CN	Opening Vent Width		Opening Vent Height		Vent Opening		Volume of Air Movement	
	ft - in	mm	ft - in	mm	ft ²	m ²	ft ²	m ²
3078 T	2-4 1/16	(712)	6-3 3/16	(1909)	0.59	(0.054)	44.01	(1.25)
3084 T	2-4 1/16	(712)	6-9 3/16	(2062)	0.62	(0.058)	46.57	(1.32)
3092 T	2-4 1/16	(712)	7-5 3/16	(2265)	0.67	(0.062)	49.98	(1.42)
3096 T	2-4 1/16	(712)	7-9 3/16	(2367)	0.69	(0.064)	51.69	(1.46)
3236	2-6 1/16	(763)	2-9 3/16	(843)	0.36	(0.033)	26.96	(0.76)
3240	2-6 1/16	(763)	3-1 3/16	(944)	0.38	(0.035)	28.66	(0.81)
3244	2-6 1/16	(763)	3-5 3/16	(1046)	0.40	(0.038)	30.37	(0.86)
3248	2-6 1/16	(763)	3-9 3/16	(1147)	0.43	(0.040)	32.07	(0.91)
3254	2-6 1/16	(763)	4-3 3/16	(1300)	0.46	(0.043)	34.63	(0.98)
3256	2-6 1/16	(763)	4-5 3/16	(1351)	0.47	(0.044)	35.49	(1.00)
3260	2-6 1/16	(763)	4-9 3/16	(1452)	0.50	(0.046)	37.19	(1.05)
3264	2-6 1/16	(763)	5-1 3/16	(1554)	0.52	(0.048)	38.90	(1.10)
3272 T	2-6 1/16	(763)	5-9 3/16	(1757)	0.56	(0.052)	42.31	(1.20)
3278 T	2-6 1/16	(763)	6-3 3/16	(1909)	0.60	(0.056)	44.87	(1.27)
3284 T	2-6 1/16	(763)	6-9 3/16	(2062)	0.63	(0.059)	47.43	(1.34)
3292 T	2-6 1/16	(763)	7-5 3/16	(2265)	0.68	(0.063)	50.84	(1.44)
3296 T	2-6 1/16	(763)	7-9 3/16	(2367)	0.70	(0.065)	52.54	(1.49)
3636	2-10 1/16	(865)	2-9 3/16	(843)	0.38	(0.035)	28.66	(0.81)
3640	2-10 1/16	(865)	3-1 3/16	(944)	0.40	(0.038)	30.37	(0.86)
3644	2-10 1/16	(865)	3-5 3/16	(1046)	0.43	(0.040)	32.07	(0.91)
3648	2-10 1/16	(865)	3-9 3/16	(1147)	0.45	(0.042)	33.78	(0.96)
3654	2-10 1/16	(865)	4-3 3/16	(1300)	0.48	(0.045)	36.34	(1.03)
3656	2-10 1/16	(865)	4-5 3/16	(1351)	0.50	(0.046)	37.19	(1.05)
3660	2-10 1/16	(865)	4-9 3/16	(1452)	0.52	(0.048)	38.90	(1.10)
3664	2-10 1/16	(865)	5-1 3/16	(1554)	0.54	(0.050)	40.60	(1.15)
3672 T	2-10 1/16	(865)	5-9 3/16	(1757)	0.59	(0.054)	44.01	(1.25)
3678 T	2-10 1/16	(865)	6-3 3/16	(1909)	0.62	(0.058)	46.57	(1.32)
3684 T	2-10 1/16	(865)	6-9 3/16	(2062)	0.65	(0.061)	49.13	(1.39)
3692 T	2-10 1/16	(865)	7-5 3/16	(2265)	0.70	(0.065)	52.54	(1.49)
3696 T	2-10 1/16	(865)	7-9 3/16	(2367)	0.72	(0.067)	54.25	(1.54)
4036	3-2 1/16	(966)	2-9 3/16	(843)	0.40	(0.038)	30.37	(0.86)
4040	3-2 1/16	(966)	3-1 3/16	(944)	0.43	(0.040)	32.07	(0.91)
4044	3-2 1/16	(966)	3-5 3/16	(1046)	0.45	(0.042)	33.78	(0.96)
4048	3-2 1/16	(966)	3-9 3/16	(1147)	0.47	(0.044)	35.49	(1.00)
4054	3-2 1/16	(966)	4-3 3/16	(1300)	0.51	(0.047)	38.04	(1.08)
4056	3-2 1/16	(966)	4-5 3/16	(1351)	0.52	(0.048)	38.90	(1.10)
4060	3-2 1/16	(966)	4-9 3/16	(1452)	0.54	(0.050)	40.60	(1.15)
4064	3-2 1/16	(966)	5-1 3/16	(1554)	0.56	(0.052)	42.31	(1.20)
4072 T	3-2 1/16	(966)	5-9 3/16	(1757)	0.61	(0.057)	45.72	(1.29)
4078 T	3-2 1/16	(966)	6-3 3/16	(1909)	0.64	(0.060)	48.28	(1.37)
4084 T	3-2 1/16	(966)	6-9 3/16	(2062)	0.68	(0.063)	50.84	(1.44)
4092 T	3-2 1/16	(966)	7-5 3/16	(2265)	0.72	(0.067)	54.25	(1.54)
4836 T	3-10 1/16	(1170)	2-9 3/16	(843)	0.45	(0.042)	33.78	(0.96)

NOTE: Clad Ultimate Venting Picture Window Air Volume Formula - Stated Volume is based on 1 MPH wind (88.0 ft. min.). To determine volume for other speeds of wind, convert the wind speed from MPH to feet per minute and use the following equation: Volume in cubic feet per minute = Area Velocity of Wind (ex. CN6464:.70 x 88.0 ft./mn x .852 = 52.54 cubic feet per minute (volume of air). 0.853 represents the resistance of air movement through the venting picture screen system.

Clad Ultimate Casement Venting Picture

Venting Opening and Volume of Air Movement

CN	Opening Vent Width		Opening Vent Height		Vent Opening		Volume of Air Movement	
	ft - in	mm	ft - in	mm	ft ²	m ²	ft ²	m ²
4840	3-10 1/16	(1170)	3-1 3/16	(944)	0.47	(0.044)	35.49	(1.00)
4844	3-10 1/16	(1170)	3-5 3/16	(1046)	0.50	(0.046)	37.19	(1.05)
4848	3-10 1/16	(1170)	3-9 3/16	(1147)	0.52	(0.048)	38.90	(1.10)
4854	3-10 1/16	(1170)	4-3 3/16	(1300)	0.55	(0.051)	41.46	(1.17)
4856	3-10 1/16	(1170)	4-5 3/16	(1351)	0.56	(0.052)	42.31	(1.20)
4860	3-10 1/16	(1170)	4-9 3/16	(1452)	0.59	(0.054)	44.01	(1.25)
4864	3-10 1/16	(1170)	5-1 3/16	(1554)	0.61	(0.057)	45.72	(1.29)
4872 T	3-10 1/16	(1170)	5-9 3/16	(1757)	0.65	(0.061)	49.13	(1.39)
5636 T	4-6 1/16	(1373)	2-9 3/16	(843)	0.50	(0.046)	37.19	(1.05)
5640 T	4-6 1/16	(1373)	3-1 3/16	(944)	0.52	(0.048)	38.90	(1.10)
5644 T	4-6 1/16	(1373)	3-5 3/16	(1046)	0.54	(0.050)	40.60	(1.15)
5648 T	4-6 1/16	(1373)	3-9 3/16	(1147)	0.56	(0.052)	42.31	(1.20)
5654	4-6 1/16	(1373)	4-3 3/16	(1300)	0.60	(0.056)	44.87	(1.27)
5656	4-6 1/16	(1373)	4-5 3/16	(1351)	0.61	(0.057)	45.72	(1.29)
5660	4-6 1/16	(1373)	4-9 3/16	(1452)	0.63	(0.059)	47.43	(1.34)
5664	4-6 1/16	(1373)	5-1 3/16	(1554)	0.65	(0.061)	49.13	(1.39)
5672	4-6 1/16	(1373)	5-9 3/16	(1757)	0.70	(0.065)	52.54	(1.49)
6036	4-10 1/16	(1474)	2-9 3/16	(843)	0.52	(0.048)	38.90	(1.10)
6040	4-10 1/16	(1474)	3-1 3/16	(944)	0.54	(0.050)	40.60	(1.15)
6044	4-10 1/16	(1474)	3-5 3/16	(1046)	0.56	(0.052)	42.31	(1.20)
6048 T	4-10 1/16	(1474)	3-9 3/16	(1147)	0.59	(0.054)	44.01	(1.25)
6054 T	4-10 1/16	(1474)	4-3 3/16	(1300)	0.62	(0.058)	46.57	(1.32)
6056 T	4-10 1/16	(1474)	4-5 3/16	(1351)	0.63	(0.059)	47.43	(1.34)
6060 T	4-10 1/16	(1474)	4-9 3/16	(1452)	0.65	(0.061)	49.13	(1.39)
6064 T	4-10 1/16	(1474)	5-1 3/16	(1554)	0.68	(0.063)	50.84	(1.44)
6072	4-10 1/16	(1474)	5-9 3/16	(1757)	0.72	(0.067)	54.25	(1.54)
6436	5-2 1/16	(1576)	2-9 3/16	(843)	0.54	(0.050)	40.60	(1.15)
6440	5-2 1/16	(1576)	3-1 3/16	(944)	0.56	(0.052)	42.31	(1.20)
6444	5-2 1/16	(1576)	3-5 3/16	(1046)	0.59	(0.054)	44.01	(1.25)
6448	5-2 1/16	(1576)	3-9 3/16	(1147)	0.61	(0.057)	45.72	(1.29)
6454	5-2 1/16	(1576)	4-3 3/16	(1300)	0.64	(0.060)	48.28	(1.37)
6456	5-2 1/16	(1576)	4-5 3/16	(1351)	0.65	(0.061)	49.13	(1.39)
6460 T	5-2 1/16	(1576)	4-9 3/16	(1452)	0.68	(0.063)	50.84	(1.44)
6464 T	5-2 1/16	(1576)	5-1 3/16	(1554)	0.70	(0.065)	52.54	(1.49)
6472 T	5-2 1/16	(1576)	5-9 3/16	(1757)	0.75	(0.069)	55.95	(1.58)
7236 T	5-10 1/16	(1779)	2-9 3/16	(843)	0.59	(0.054)	44.01	(1.25)
7240 T	5-10 1/16	(1779)	3-1 3/16	(944)	0.61	(0.057)	45.72	(1.29)
7244 T	5-10 1/16	(1779)	3-5 3/16	(1046)	0.63	(0.059)	47.43	(1.34)
7248	5-10 1/16	(1779)	3-9 3/16	(1147)	0.65	(0.061)	49.13	(1.39)
7254	5-10 1/16	(1779)	4-3 3/16	(1300)	0.69	(0.064)	51.69	(1.46)
7256	5-10 1/16	(1779)	4-5 3/16	(1351)	0.70	(0.065)	52.54	(1.49)
7260	5-10 1/16	(1779)	4-9 3/16	(1452)	0.72	(0.067)	54.25	(1.54)
7264	5-10 1/16	(1779)	5-1 3/16	(1554)	0.75	(0.069)	55.95	(1.58)
7272	5-10 1/16	(1779)	5-9 3/16	(1757)	0.79	(0.073)	59.36	(1.68)

NOTE: Clad Ultimate Venting Picture Window Air Volume Formula - Stated Volume is based on 1 MPH wind (88.0 ft. min.). To determine volume for other speeds of wind, convert the wind speed from MPH to feet per minute and use the following equation: Volume in cubic feet per minute = Area Velocity of Wind (ex. CN6464:.70 x 88.0 ft./mn x .852 = 52.54 cubic feet per minute (volume of air). 0.853 represents the resistance of air movement through the venting picture screen system.

Clad Ultimate Casement Venting Picture

Daylight Measurement - Venting Picture

Clad Ultimate Casement Daylight Measurements		Width						
		CN	16	18	20	24	26	
		DLO	0-10 7/32 (259)	1-0 7/32 (310)	1-2 7/32 (361)	1-6 7/32 (462)	1-8 7/32 (513)	
CN		Square Feet (Square Meters)						
		Standard Bottom Rail						
		36	2-5 11/32 (745)	2.08 (0.19)	2.49 (0.23)	2.89 (0.27)	3.71 (0.34)	4.12 (0.38)
		40	2-9 11/32 (847)	2.36 (0.22)	2.83 (0.26)	3.29 (0.31)	4.21 (0.39)	4.68 (0.43)
		44	3-1 11/32 (948)	2.65 (0.25)	3.17 (0.29)	3.68 (0.34)	4.72 (0.44)	5.24 (0.49)
		48	3-5 11/32 (1050)	2.93 (0.27)	3.50 (0.33)	4.08 (0.38)	5.23 (0.49)	5.80 (0.54)
		54	3-11 11/32 (1202)	3.36 (0.31)	4.01 (0.37)	4.67 (0.43)	5.98 (0.56)	6.64 (0.62)
		56	4-1 11/32 (1253)	3.50 (0.32)	4.18 (0.39)	4.87 (0.45)	6.24 (0.58)	6.92 (0.64)
		60	4-5 11/32 (1355)	3.78 (0.35)	4.52 (0.42)	5.26 (0.49)	6.74 (0.63)	7.48 (0.70)
		64	4-9 11/32 (1456)	4.06 (0.38)	4.86 (0.45)	5.66 (0.53)	7.25 (0.67)	8.05 (0.75)
		72	5-5 11/32 (1659)	4.63 (0.43)	5.54 (0.51)	6.45 (0.60)	8.26 (0.77)	9.17 (0.85)
		78	5-11 11/32 (1812)	5.06 (0.47)	6.05 (0.56)	7.04 (0.65)	9.02 (0.84)	10.01 (0.93)
		84	6-5 11/32 (1964)	5.48 (0.51)	6.56 (0.61)	7.63 (0.71)	9.78 (0.91)	10.85 (1.01)
		92	7-1 11/32 (2167)	6.05 (0.56)	7.23 (0.67)	8.42 (0.78)	10.79 (1.00)	11.98 (1.11)
		96	7-5 11/32 (2269)	6.33 (0.59)	7.57 (0.70)	8.81 (0.82)	11.30 (1.05)	12.54 (1.16)
Tall Bottom Rail								
CN		36	2-3 27/32 (707)	1.97 (0.18)	2.36 (0.22)	2.75 (0.26)	3.52 (0.33)	3.91 (0.36)
		40	2-7 27/32 (809)	2.26 (0.21)	2.70 (0.25)	3.14 (0.29)	4.03 (0.37)	4.47 (0.42)
		44	2-11 27/32 (910)	2.54 (0.24)	3.04 (0.28)	3.54 (0.33)	4.53 (0.42)	5.03 (0.47)
		48	3-3 27/32 (1012)	2.82 (0.26)	3.38 (0.31)	3.93 (0.37)	5.04 (0.47)	5.59 (0.52)
		54	3-9 27/32 (1164)	3.25 (0.30)	3.89 (0.36)	4.52 (0.42)	5.80 (0.54)	6.43 (0.60)
		56	3-11 27/32 (1215)	3.39 (0.32)	4.06 (0.38)	4.72 (0.44)	6.05 (0.56)	6.71 (0.62)
		60	4-3 27/32 (1317)	3.67 (0.34)	4.39 (0.41)	5.11 (0.48)	6.55 (0.61)	7.27 (0.68)
		64	4-7 27/32 (1418)	3.96 (0.37)	4.73 (0.44)	5.51 (0.51)	7.06 (0.66)	7.84 (0.73)
		72	5-3 27/32 (1621)	4.53 (0.42)	5.41 (0.50)	6.30 (0.59)	8.07 (0.75)	8.96 (0.83)
		78	5-9 27/32 (1774)	4.95 (0.46)	5.92 (0.55)	6.89 (0.64)	8.83 (0.82)	9.80 (0.91)
		84	6-3 27/32 (1926)	5.38 (0.50)	6.43 (0.60)	7.48 (0.70)	9.59 (0.89)	10.64 (0.99)
		92	6-11 27/32 (2129)	5.94 (0.55)	7.11 (0.66)	8.27 (0.77)	10.60 (0.98)	11.76 (1.09)
		96	7-3 27/32 (2231)	6.23 (0.58)	7.45 (0.69)	8.67 (0.81)	11.11 (1.03)	12.33 (1.15)

Clad Ultimate Casement Venting Picture

Daylight Measurement - Venting Picture

Clad Ultimate Casement Daylight Measurements		Width					
		CN	28	30	32	36	40
		DLO	1-10 7/32 (564)	2-0 7/32 (615)	2-2 7/32 (666)	2-6 7/32 (767)	2-10 7/32 (869)
CN	DLO Height	Square Feet (Square Meters)					
36	2-5 11/32 (745)	4.52 (0.42)	4.93 (0.46)	5.34 (0.50)	6.15 (0.57)	6.97 (0.65)	
	2-9 11/32 (847)	5.14 (0.48)	5.60 (0.52)	6.07 (0.56)	6.99 (0.65)	7.92 (0.74)	
	3-1 11/32 (948)	5.76 (0.53)	6.28 (0.58)	6.79 (0.63)	7.83 (0.73)	8.87 (0.82)	
	3-5 11/32 (1050)	6.37 (0.59)	6.95 (0.65)	7.52 (0.70)	8.67 (0.81)	9.82 (0.91)	
	3-11 11/32 (1202)	7.30 (0.68)	7.96 (0.74)	8.61 (0.80)	9.93 (0.92)	11.24 (1.04)	
	4-1 11/32 (1253)	7.61 (0.71)	8.29 (0.77)	8.98 (0.83)	10.35 (0.96)	11.72 (1.09)	
	4-5 11/32 (1355)	8.23 (0.76)	8.97 (0.83)	9.71 (0.90)	11.19 (1.04)	12.67 (1.18)	
	4-9 11/32 (1456)	8.84 (0.82)	9.64 (0.90)	10.43 (0.97)	12.03 (1.12)	13.62 (1.27)	
	5-5 11/32 (1659)	10.08 (0.94)	10.98 (1.02)	11.89 (1.10)	13.71 (1.27)	15.52 (1.44)	
	5-11 11/32 (1812)	11.00 (1.02)	11.99 (1.11)	12.98 (1.21)	14.96 (1.39)	16.95 (1.57)	
	6-5 11/32 (1964)	11.93 (1.11)	13.00 (1.21)	14.07 (1.31)	16.22 (1.51)	18.37 (1.71)	
	7-1 11/32 (2167)	13.16 (1.22)	14.35 (1.33)	15.53 (1.44)	17.90 (1.66)	20.27 (1.88)	
	7-5 11/32 (2269)	13.78 (1.28)	15.02 (1.40)	16.26 (1.51)	18.74 (1.74)	N/A	
Tall Bottom Rail							
36	2-3 27/32 (707)	4.29 (0.40)	4.68 (0.43)	5.07 (0.47)	5.84 (0.54)	6.61 (0.61)	
	2-7 27/32 (809)	4.91 (0.46)	5.35 (0.50)	5.79 (0.54)	6.68 (0.62)	7.56 (0.70)	
	2-11 27/32 (910)	5.53 (0.51)	6.02 (0.56)	6.52 (0.61)	7.52 (0.70)	8.51 (0.79)	
	3-3 27/32 (1012)	6.14 (0.57)	6.70 (0.62)	7.25 (0.67)	8.36 (0.78)	9.46 (0.88)	
	3-9 27/32 (1164)	7.07 (0.66)	7.71 (0.72)	8.34 (0.77)	9.61 (0.89)	10.89 (1.01)	
	3-11 27/32 (1215)	7.38 (0.69)	8.04 (0.75)	8.71 (0.81)	10.03 (0.93)	11.36 (1.06)	
	4-3 27/32 (1317)	7.99 (0.74)	8.71 (0.81)	9.43 (0.88)	10.87 (1.01)	12.31 (1.14)	
	4-7 27/32 (1418)	8.61 (0.80)	9.39 (0.87)	10.16 (0.94)	11.71 (1.09)	13.26 (1.23)	
	5-3 27/32 (1621)	9.84 (0.91)	10.73 (1.00)	11.62 (1.08)	13.39 (1.24)	15.16 (1.41)	
	5-9 27/32 (1774)	10.77 (1.00)	11.74 (1.09)	12.71 (1.18)	14.65 (1.36)	16.59 (1.54)	
	6-3 27/32 (1926)	11.70 (1.09)	12.75 (1.18)	13.80 (1.28)	15.91 (1.48)	18.01 (1.67)	
	6-11 27/32 (2129)	12.93 (1.20)	14.09 (1.31)	15.26 (1.42)	17.59 (1.63)	19.91 (1.85)	
	7-3 27/32 (2231)	13.55 (1.26)	14.77 (1.37)	15.99 (1.49)	18.43 (1.71)	N/A	

Clad Ultimate Casement Venting Picture

Daylight Measurement - Venting Picture

Clad Ultimate Casement Daylight Measurements		Width					
		CN	48	56	60	64	72
		DLO	3-6 7/32 (1072)	4-2 7/32 (1275)	4-6 7/32 (1377)	4-10 7/32 (1478)	5-6 7/32 (1682)
CN	DLO Height	Square Feet (Square Meters)					
36	2-5 11/32 (745)	8.6 (0.80)	10.23 (0.95)	11.04 (1.03)	11.86 (1.10)	13.49 (1.25)	
40	2-9 11/32 (847)	9.77 (0.91)	11.62 (1.08)	12.55 (1.17)	13.47 (1.25)	15.33 (1.42)	
44	3-1 11/32 (948)	10.94 (1.02)	13.02 (1.21)	14.05 (1.31)	15.09 (1.40)	17.16 (1.59)	
48	3-5 11/32 (1050)	12.12 (1.13)	14.41 (1.34)	15.56 (1.45)	16.71 (1.55)	19. (1.77)	
54	3-11 11/32 (1202)	13.87 (1.29)	16.5 (1.53)	17.82 (1.66)	19.13 (1.78)	21.76 (2.02)	
56	4-1 11/32 (1253)	14.46 (1.34)	17.2 (1.60)	18.57 (1.73)	19.94 (1.85)	22.68 (2.11)	
60	4-5 11/32 (1355)	15.63 (1.45)	18.6 (1.73)	20.08 (1.87)	21.56 (2.00)	24.52 (2.28)	
64	4-9 11/32 (1456)	16.8 (1.56)	19.99 (1.86)	21.58 (2.01)	23.18 (2.15)	26.36 (2.45)	
72	5-5 11/32 (1659)	19.15 (1.78)	22.78 (2.12)	24.59 (2.28)	26.41 (2.45)	30.04 (2.79)	
78	5-11 11/32 (1812)	N/A	N/A	N/A	N/A	N/A	
84	6-5 11/32 (1964)	N/A	N/A	N/A	N/A	N/A	
92	7-1 11/32 (2167)	N/A	N/A	N/A	N/A	N/A	
96	7-5 11/32 (2269)	N/A	N/A	N/A	N/A	N/A	
Tall Bottom Rail							
36	2-3 27/32 (707)	8.16 (0.76)	9.7 (0.90)	10.48 (0.97)	11.25 (1.05)	12.8 (1.19)	
40	2-7 27/32 (809)	9.33 (0.87)	11.1 (1.03)	11.98 (1.11)	12.87 (1.20)	14.64 (1.36)	
44	2-11 27/32 (910)	10.5 (0.98)	12.49 (1.16)	13.49 (1.25)	14.48 (1.35)	16.48 (1.53)	
48	3-3 27/32 (1012)	11.68 (1.08)	13.89 (1.29)	14.99 (1.39)	16.1 (1.50)	18.31 (1.70)	
54	3-9 27/32 (1164)	13.43 (1.25)	15.98 (1.48)	17.25 (1.60)	18.53 (1.72)	21.07 (1.96)	
56	3-11 27/32 (1215)	14.02 (1.30)	16.68 (1.55)	18.01 (1.67)	19.34 (1.80)	21.99 (2.04)	
60	4-3 27/32 (1317)	15.19 (1.41)	18.07 (1.68)	19.51 (1.81)	20.95 (1.95)	23.83 (2.21)	
64	4-7 27/32 (1418)	16.37 (1.52)	19.47 (1.81)	21.02 (1.95)	22.57 (2.10)	25.67 (2.38)	
72	5-3 27/32 (1621)	18.71 (1.74)	22.26 (2.07)	24.03 (2.23)	25.8 (2.40)	29.35 (2.73)	
78	5-9 27/32 (1774)	N/A	N/A	N/A	N/A	N/A	
84	6-3 27/32 (1926)	N/A	N/A	N/A	N/A	N/A	
92	6-11 27/32 (2129)	N/A	N/A	N/A	N/A	N/A	
96	7-3 27/32 (2231)	N/A	N/A	N/A	N/A	N/A	

Clad Ultimate Casement Venting Picture

Minimum and Maximum Guidelines/Certified Ratings

Minimum and Maximum Guidelines - Operable Casement											
Unit Type		Frame Size									
		Min Width			Min Height		Max Width			Max Height	
		in	mm	x	in	mm	in	mm	x	in	mm
CUCAVP	Insulating Glass 3/4" (19) or 1" (25) operator	16	(406)	x	35 1/8	(892)	36	(914)	x	96 1/8	(2442)
							40	(1016)	x	92	(2337)
							72	(1829)	x	71 1/8	(1807)

Certified Sizes and Ratings									
Unit Type		Frame Height		Frame Width					
				in	mm	in	mm	in	mm
CUCAVP	71 1/8 92 96 1/8	(1807) (2337) (2442)	AP-LC40		AP-LC40		AP-LC40		
			AP-LC40		AP-LC40		N/A		
			AP-LC40		N/A		N/A		

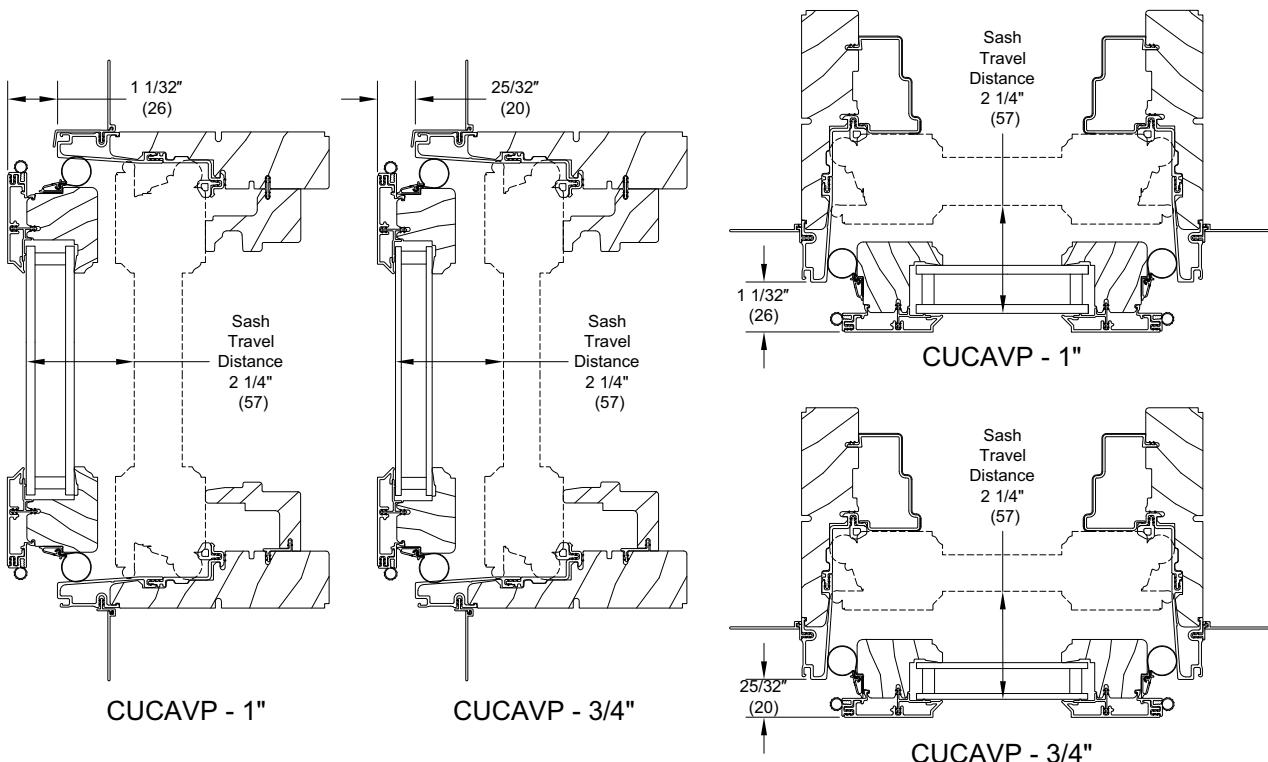
NOTE: Maximum sash weight of 200 lbs.

Clad Ultimate Casement Venting Picture

Measurement Conversions/Sash Travel Information

Unit Measurements		Width		Height	
From	To				
Rough Opening					
OM of Frame	Rough Opening	+ 1	(25)	+ 1/2	(13)
Masonry Opening w/out BMC	Rough Opening	+ 1/2	(13)	+ 1/4	(06)
Masonry Opening w/BMC	Rough Opening	-2 1/8	(54)	-1 11/16	(43)
Masonry Opening w/Flat Casing	Rough Opening	-5 1/2	(140)	-3 3/8	(86)
Sash					
OM of Frame	OM of Sash	-1 11/16	(43)	-1 11/16	(43)
Daylight Opening (Std Btm Rail)	OM of Sash	+ 4 3/32	(104)	+ 4 3/32	(104)
Daylight Opening (Tall Btm Rail)	OM of Sash	+ 4 3/32	(104)	+ 5 19/32	(142)
Glass					
OM of Frame (Std Btm Rail)	Glass	-4 23/32	(120)	-4 23/32	(120)
OM of Frame (Tall Btm Rail)	Glass	-4 23/32	(120)	-6 7/32	(158)
Daylight Opening	Glass	+ 1 3/32	(28)	+ 1 3/32	(28)

Sash Travel Information



Clad Ultimate Casement Venting Picture

Standard Unit Measurement: Venting Picture

Standard Casement Unit Measurements								
Width								
CN	Masonry Opening		Rough Opening		Frame Size		Daylight Opening	
	ft - in	mm	ft - in	mm	ft - in	mm	ft - in	mm
16	1-4 1/2	(419)	1-5	(432)	1-4	(406)	0-10 7/32	(259)
18	1-6 1/2	(470)	1-7	(483)	1-6	(457)	1-0 7/32	(310)
20	1-8 1/2	(521)	1-9	(533)	1-8	(508)	1-2 7/32	(361)
24	2-0 1/2	(622)	2-1	(635)	2-0	(610)	1-6 7/32	(462)
26	2-2 1/2	(673)	2-3	(686)	2-2	(660)	1-8 7/32	(513)
28	2-4 1/2	(724)	2-5	(737)	2-4	(711)	1-10 7/32	(564)
30	2-6 1/2	(775)	2-7	(787)	2-6	(762)	2-0 7/32	(615)
32	2-8 1/2	(826)	2-9	(838)	2-8	(813)	2-2 7/32	(666)
36	3-0 1/2	(927)	3-1	(940)	3-0	(914)	2-6 7/32	(767)
40	3-4 1/2	(1029)	3-5	(1041)	3-4	(1016)	2-10 7/32	(869)
48	4-0 1/2	(1232)	4-1	(1245)	4-0	(1219)	3-6 7/32	(1072)
56	4-8 1/2	(1435)	4-9	(1448)	4-8	(1422)	4-2 7/32	(1275)
60	5-0 1/2	(1537)	5-1	(1549)	5-0	(1524)	4-6 7/32	(1377)
64	5-4 1/2	(1638)	5-5	(1651)	5-4	(1626)	4-10 7/32	(1478)
72	6-0 1/2	(1842)	6-1	(1854)	6-0	(1829)	5-6 7/32	(1682)

Standard Casement Unit Measurements								
Height								
CN	Masonry Opening		Rough Opening		Frame Size		Daylight Opening (Std Bottom Rail)	
	ft - in	mm	ft - in	mm	ft - in	mm	ft - in	mm
36	2-11 3/8	(899)	2-11 5/8	(905)	2-11 1/8	(892)	2-5 11/32	(745)
40	3-3 3/8	(1000)	3-3 5/8	(1006)	3-3 1/8	(994)	2-9 11/32	(847)
44	3-7 3/8	(1102)	3-7 5/8	(1108)	3-7 1/8	(1095)	3-1 11/32	(948)
48	3-11 3/8	(1203)	3-11 5/8	(1210)	3-11 1/8	(1197)	3-5 11/32	(1050)
54	4-5 3/8	(1356)	4-5 5/8	(1362)	4-5 1/8	(1349)	3-11 11/32	(1202)
56	4-7 3/8	(1407)	4-7 5/8	(1413)	4-7 1/8	(1400)	4-1 11/32	(1253)
60	4-11 3/8	(1508)	4-11 5/8	(1514)	4-11 1/8	(1502)	4-5 11/32	(1355)
64	5-3 3/8	(1610)	5-3 5/8	(1616)	5-3 1/8	(1603)	4-9 11/32	(1456)
72	5-11 3/8	(1813)	5-11 5/8	(1819)	5-11 1/8	(1807)	5-5 11/32	(1659)
78	6-5 3/8	(1965)	6-5 5/8	(1972)	6-5 1/8	(1959)	5-11 11/32	(1812)
84	6-11 3/8	(2118)	6-11 5/8	(2124)	6-11 1/8	(2111)	6-5 11/32	(1964)
92	7-7 3/8	(2321)	7-7 5/8	(2327)	7-7 1/8	(2315)	7-1 11/32	(2167)
96	7-11 3/8	(2423)	7-11 5/8	(2429)	7-11 1/8	(2416)	7-5 11/32	(2269)
							7-3 27/32	(2231)

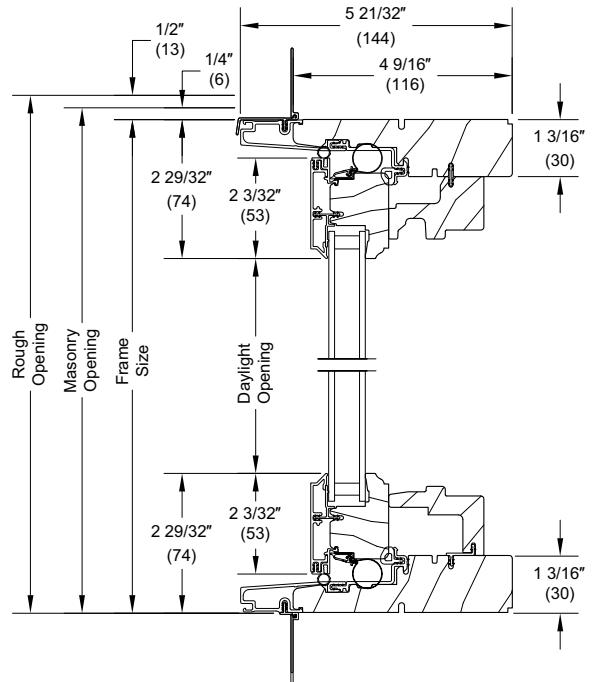
NOTE: 4096, 4878, 4884, 4892, 4896, 5678, 5684, 5692, 5696, 6078, 6084, 6092, 6096, 6478, 6484, 6092, 6096, 6478, 6484, 6492, 6496, 7878, 7284, and 7296 are over the max sash weight of 200 lbs.

Clad Ultimate Casement Venting Picture

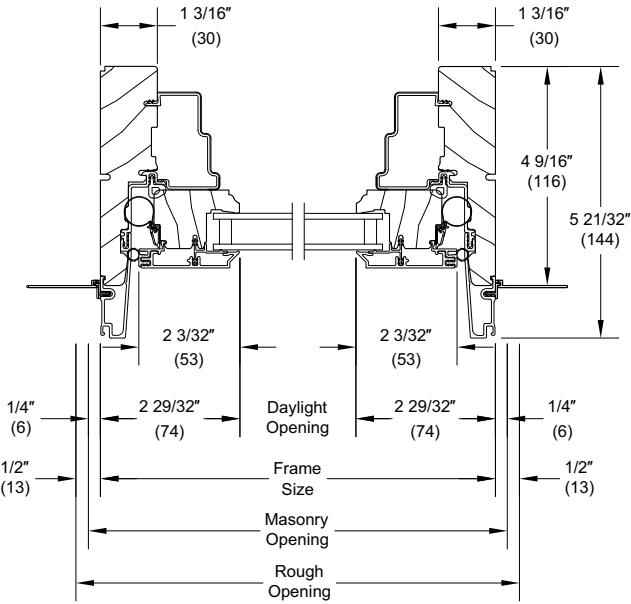
Section Details: 3/4" IG and 1" IG

Scale: 3" = 1' 0"

CUCAVP - 3/4" IG

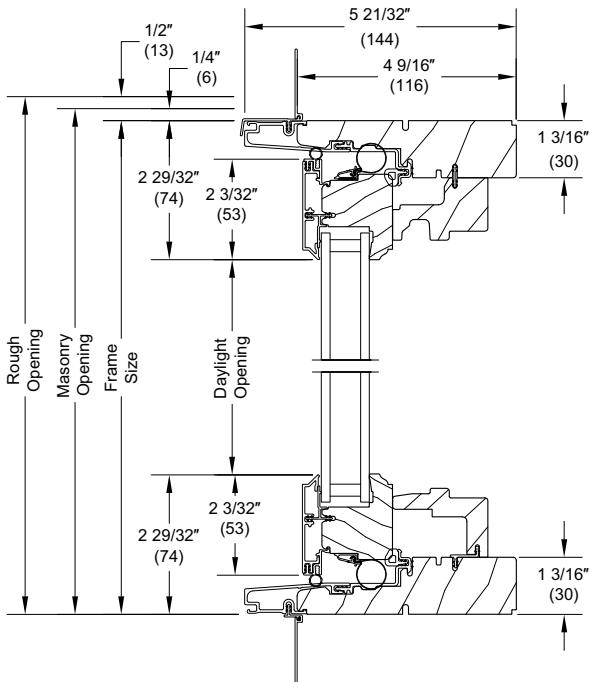


Head Jamb and Sill

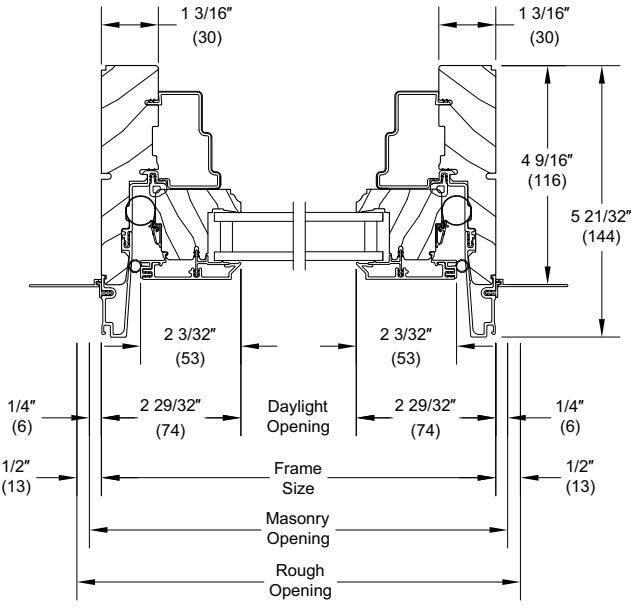


Jamb

CUCAVP - 1" IG



Head Jamb and Sill

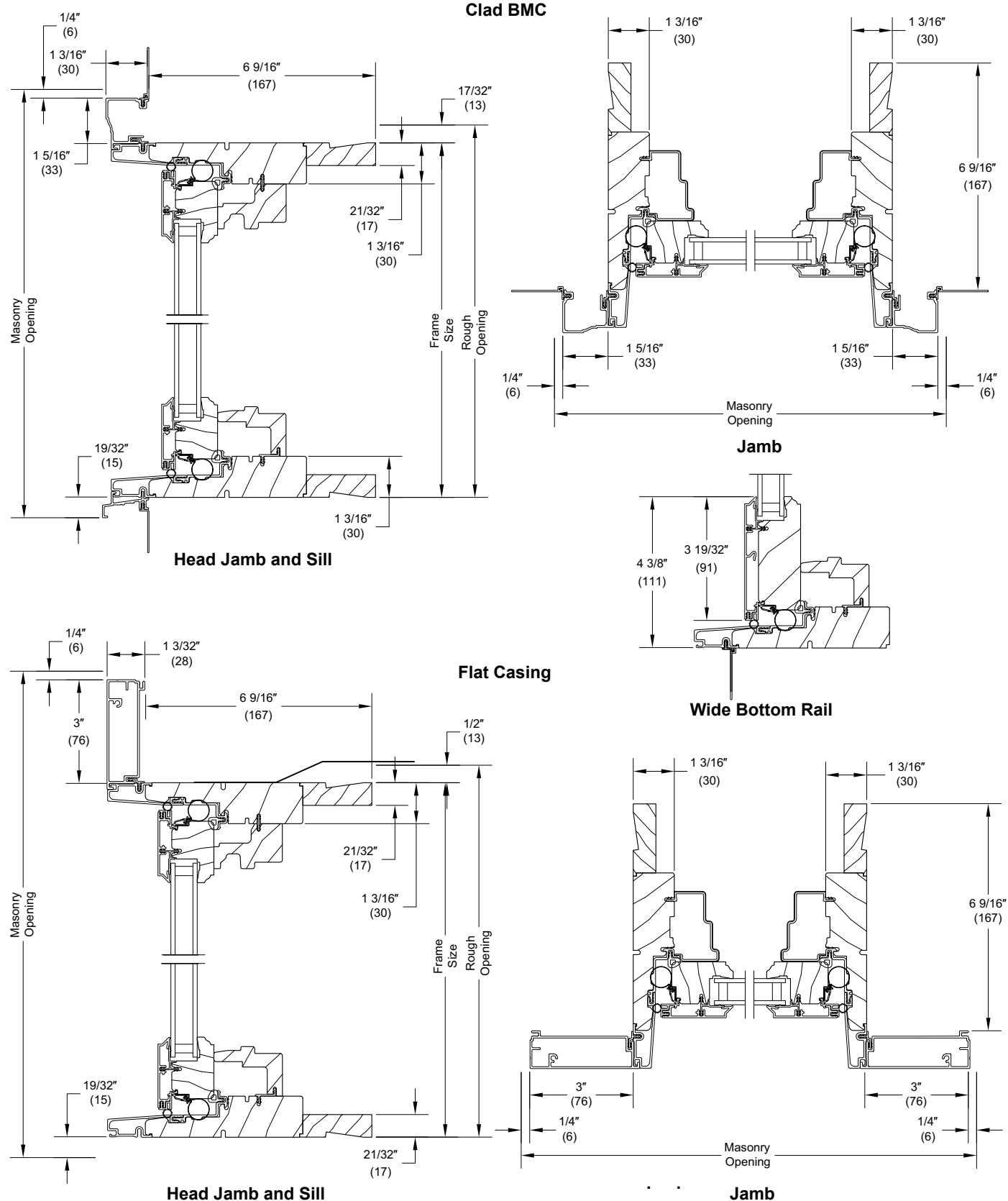


Jamb

Clad Ultimate Casement Venting Picture

Section Details: Casing 6 9/16" Jamb

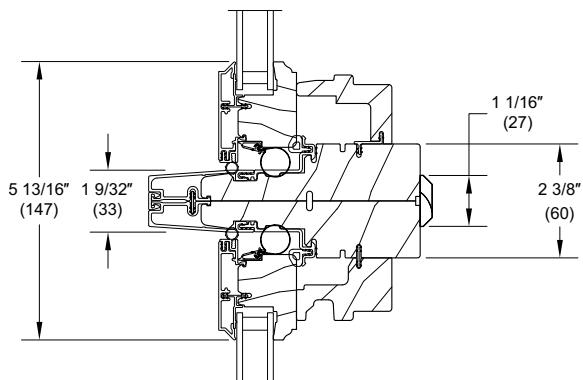
Scale: 3" = 1' 0"



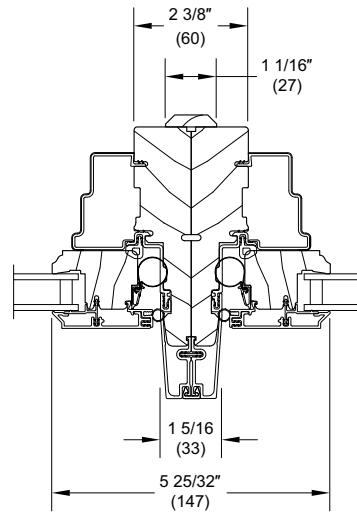
Clad Ultimate Casement Venting Picture

Section Details: Mullion

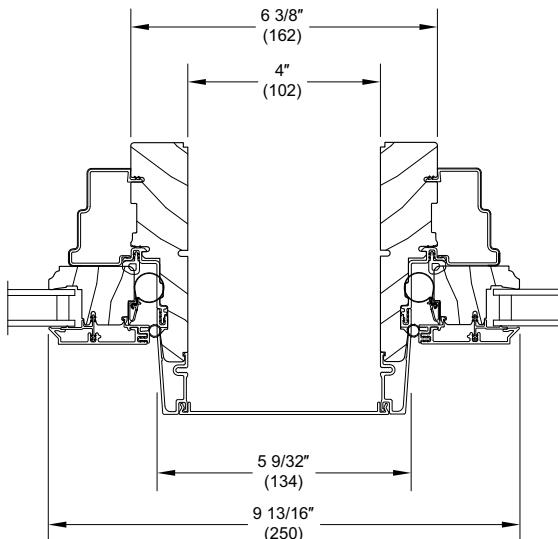
Scale: 3" = 1' 0"



Horizontal Mullion



Vertical Mullion



**Vertical Mullion - with 4" Space Mull
Stud shown with 4 9/16" Jamb**