



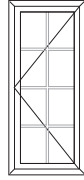
CASEMENT

## SPECIAL SIZE FRAME DIMENSIONS

### Miscellaneous Formulas



#### 1-WIDE VENT UNIT



**MINIMUM**

13-1/2" W x 17-1/2" H  
(343 x 445)

**MAXIMUM**

35-1/2" W x 71-1/2" H  
(889 x 1 803)

**General Notes:**

- To convert areas to square meters (m<sup>2</sup>), multiply square feet by 0.0929.
- Rough Opening = Frame Dimension + 1/2".
- Unit Height must be > Unit Width
- Keep frame dimensions to the nearest 1/8" increment.
- Tempered glass must measure ≥ 18-1/2" diagonally.
- If glass width to height ratio is > 5 to 1, then unit must be tempered.

### Miscellaneous Formulas

	1-WIDE-VENT
VISIBLE GLASS	VGW = FW - 7" VGH = FH - 7"
ACTUAL GLASS	AGW = FW - 5-7/8" AGH = FH - 5-7/8"

### Clear Opening Formulas

	1-WIDE-VENT
VENT AREA	VA = (COH X COW) / 144
COH	COH = FH - 5.5
COW	Standard Performance COW = FW - 11.8125
	Impact / High Performance COW = FW - 12.125
	Side Pivot COW = FW - 7.543

**KEY:**

- AGW = Actual Glass Width
- AGH = Actual Glass Height
- FW = Frame Width
- FH = Frame Height
- VGW = Visible Glass Width
- VGH = Visible Glass Height
- COW = Clear opening width
- COH = Clear opening height

Side pivot hardware only available on frame widths of 28" to 32"

The clear opening formulas do not apply to units with FW < 16.25"



CASEMENT

SIZE TABLES



1-Wide Vent

	(457) (445)	(610) (597)	(711) (699)	(762) (749)	(813) (800)	(914) (902)
Opening	1' 6"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"
Frame	17 1/2"	23 1/2"	27 1/2"	29 1/2"	31 1/2"	35 1/2"
(762) (749)						
(914) (902)						
(1067) (1054)						
(1219) (1207)						
(1372) (1359)						
(1524) (1511)						
(1676) (1664)						
(1829) (1816)						

Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft<sup>2</sup>.

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft<sup>2</sup>.

E2 = With optional side pivot hardware, window meets minimum clear opening of 24" height, 20" width, and 5.7 ft<sup>2</sup>.

E3 = With optional side pivot hardware, window meets minimum clear opening of 24" height, 20" width, and 5.0 ft<sup>2</sup>.

Not to scale.