RELATIVE DIMENSION CHART

1 WIDE, ACTIVE REQ'D DIMENSION
W = WIDTH • H = HEIGHT

KNOWN DIMENSION

	GLASS SIZE	FRAME SIZE	ROUGH OPENING	UNIT DIM.	DAYLIGHT OPENING	CLEAR OPENING
GLASS SIZE		W= +10.531 (267) H= +13.688 (348)	W=+11.031 (280) H= +14.188 (360)	W=+10.531 (267) H= +13.688 (348)	W=-1.000 (25) H= -1.000 (25)	W= +7.406 (188) H= +10.171 (258)
FRAME SIZE	W=-10.531 (267) H= -13.688 (348)		W= +.500 (13) H= +.500 (13)		W=-11.531 (293) H= -14.688 (373)	W= -3.125 (79) H= -3.547 (90)
ROUGH OPENING	W=-11.031 (293) H=-14.188 (360)	W= -.500 (13) H= -.500 (13)		W=-.500 (13) H= -.500 (13)	W=-12.031 (306) H= -15.188 (386)	W= -3.625 (92) H= -4.047 (103)
UNIT DIM.	W=-10.531 (267) H=-13.688 (348)		W= +.500 (13) H= +.500 (13)		W=-11.531 (293) H= -14.688 (373)	W= -3.125 (79) H= -3.547 (90)
DAYLIGHT OPENING	W=+1.000 (25) H=+1.000 (25)	W= +11.531 (293) H= +14.688 (373)	W= +12.031 (306) H= +15.188 (386)	W=+11.531 (293) H= +14.688 (373)		W= +8.406 (214) H= +11.171 (284)
CLEAR OPENING	W=-7.406 (188) H=-10.171 (258)	W= +3.125 (79) H= +3.547 (90)	W= +3.625 (92) H= +4.047 (103)	+3.125 (79) H=+3.547 (90)	W=-8.406 (214) H= -11.171 (284)	

2 WIDE, STAT/ACTIVE REQ'D DIMENSION
W = WIDTH • H = HEIGHT

KNOWN DIMENSION

	GLASS SIZE	FRAME SIZE	ROUGH OPENING	UNIT DIM.	DAYLIGHT OPENING	CLEAR OPENING
GLASS SIZE		W=(x2) +19.500 (495) H= +13.688 (348)	W=(x2) +20.000 (508) H= +14.188 (360)	W=(x2) +19.500 (495) H= +13.688 (348)	W= -1.000 (25) H= -1.000 (25)	W=+7.406 (188) H= +10.171 (258)
FRAME SIZE	W=-19.500 (495) (÷2) H= -13.688 (348)		W= +.500 (13) H= +.500 (13)		W=-21.500 (546) (÷2) H= -14.688 (373)	W=-27.781 (705) H= -3.547 (90)
ROUGH OPENING	W=-20.000 (508) (÷2) H= -14.188 (360)	W= -.500 (13) H= -.500 (13)		W=-.500 (13) H= -.500 (13)	W=-22.000 (559) (÷2) H= -15.188 (386)	W=-28.281 (718) H= -4.047 (103)
UNIT DIM.	W=-19.500 (495) (÷2) H= -13.688 (348)		W= +.500 (13) H= +.500 (13)		W=-21.500 (546) (÷2) H= -14.688 (373)	W=-27.781 (706) H= -3.547 (90)
DAYLIGHT OPENING	W=+1.000 (25) H= +1.000 (25)	W=(X2) +21.500 (546) H=+14.688 (373)	W=(x2) +22.000 (559) H= +15.188 (386)	W=(X2) +21.500 (546) H= +14.688 (373)		W=+8.406 (214) H= +11.171 (283)
CLEAR OPENING	W=+7.406 (188) H= -10.171 (258)	W=+27.781 (706) H=+3.547 (90)	W=+28.281 (718) H= +4.047 (103)	W=+27.781 (706) H=+3.547 (90)	W= -8.406 (214) H= -11.171 (283)	

2 WIDE, FRENCH REQ'D DIMENSION
W = WIDTH • H = HEIGHT

KNOWN DIMENSION

	GLASS SIZE	FRAME SIZE	ROUGH OPENING	UNIT DIM.	DAYLIGHT OPENING	CLEAR OPENING
GLASS SIZE		W=(x2) +19.500 (495) H= +13.688 (348)	W=(x2) +20.000 (508) H= +14.188 (360)	W=(x2) +19.500 (495) H= +13.688 (348)	W= -1.000 (25) H= -1.000 (25)	W=(x2) +16.375 (416) H= +10.17.1 (258)
FRAME SIZE	W=-19.500 (495) (÷2) H= -13.688 (348)		W=+.500 (13) H= +.500 (13)		W=-21.500 (546) (÷2) H= -14.688 (373)	W=-3.125 (79) H= -3.547 (90)
ROUGH OPENING	W=-20.000 (508) (÷2) H= -14.188 (360)	W=-.500 (13) H= -.500 (13)		W=-.500 (13) H= -.500 (13)	W=-22.000 (559) (÷2) H= -15.188 (386)	W=-3.625 (92) H= -4.047 (103)
UNIT DIM.	W=-19.500 (495) (÷2) H= -13.688 (348)		W=+.500 (13) H= +.500 (13)		W=-21.500 (546) (÷2) H= -14.688 (373)	W=-3.125 (79) H= -3.547 (90)
DAYLIGHT OPENING	W=+1.000 (25) H= +1.000 (25)	W=(X2) +21.500 (546) H= +14.688 (373)	W=(x2) +22.000 (559) H= +15.188 (386)	W=(X2) +21.500 (546) H= +14.688 (373)		W=(x2) +18.375 (467) H= +11.141 (283)
CLEAR OPENING	W=-16.375 (416) (÷2) H= -10.171 (258)	W=+3.125 (79) H= +3.547 (90)	W=+3.625 (92) H= +4.047 (103)	W=+3.125 (79) H= +3.547 (90)	W=-18.375 (467) (÷2) H= -11.171 (283)	

( ) = Dimension in millimeters

Some installation procedures will require a larger rough opening than noted (ie: installations utilizing our installation clips), therefore, you may need to increase the rough opening size accordingly. Rough opening gaps may be increased up to a maximum of 1/2" on all sides and still be within good practice guidelines.

3 WIDE, STAT/ACT/STAT REQ'D DIMENSION
W = WIDTH • H = HEIGHT

KNOWN DIMENSION	GLASS SIZE	FRAME SIZE	ROUGH OPENING	UNIT DIM.	DAYLIGHT OPENING	CLEAR OPENING
GLASS SIZE		W=(x3) +28.438 (722) H= +13.688 (348)	W=(x3) +28.938 (735) H= +14.188 (360)	W=(x3) +28.438 (722) H= +13.688 (348)	W= -1.000 (25) H= -1.000 (25)	W=+7.406 (188) H= +10.171 (258)
FRAME SIZE	W=-28.438 (722) (÷3) H= -13.688 (348)		W= +.500 (13) H= +.500 (13)		W=-31.438 (799) (÷3) H= -14.688 (373)	W=-52.406 (1331) (÷3) H= -3.547 (90)
ROUGH OPENING	W=-28.938 (735) (÷3) H= -14.188 (360)	W= -.500 (13) H= -.500 (13)		W= -.500 (13) H= -.500 (13)	W=-31.938 (811) (÷3) H= -15.188 (386)	W=-52.906 (1344) (÷3) H= -4.047 (103)
UNIT DIM.	W=-28.438 (722) (÷3) H= -13.688 (348)		W= +.500 (13) H= +.500 (13)		W=-31.438 (799) (÷3) H= -14.688 (373)	W=-52.406 (1331) (÷3) H= -3.547 (90)
DAYLIGHT OPENING	W=+1.000 (25) H= +1.000 (25)	W=(X3) +31.438 (799) H= +14.688 (373)	W=(X3) +31.938 (811) H= +15.188 (386)	W=(X3) +31.438 (799) H= +14.688 (373)		W=+8.406 (214) H= +11.171 (283)
CLEAR OPENING	W=+7.406 (188) H= -10.171 (258)	W=+52.406 (1331) H= +3.547 (90)	W=+52.906 (1344) H= +4.047 (103)	W=+52.406 (1331) H= +3.547 (90)	W= -8.406 (214) H= -11.171 (283)	

( ) = Dimension in millimeters

Some installation procedures will require a larger rough opening than noted (ie: installations utilizing our installation clips), therefore, you may need to increase the rough opening size accordingly. Rough opening gaps may be increased up to a maximum of 1/2" on all sides and still be within good practice guidelines.

SIZE LIMITATIONS FOR MANOR DOOR UNITS

One Panel (based on door size)
Maximum
Width: 48"
Height: 120"
Any panel over 3-0 x 8-0 or 3-6 x 6-8 must use 6" stiles and top rail along with ball bearing butt hinges. Units that exceed 3-6 x 9-0 can not be prehung. Non-standard size panels will be finished with our K-Kron II finish - the frame however will be clad.

Additional Limitations
A mulled unit can not exceed 168" (14') x 108" (9') overall. Larger sized mull unit assemblies may require alternate installation methods or field mulling.
Glass ratio can not exceed 6:1 for annealed glass.
Glass ratio can not exceed 8:1 for tempered glass.