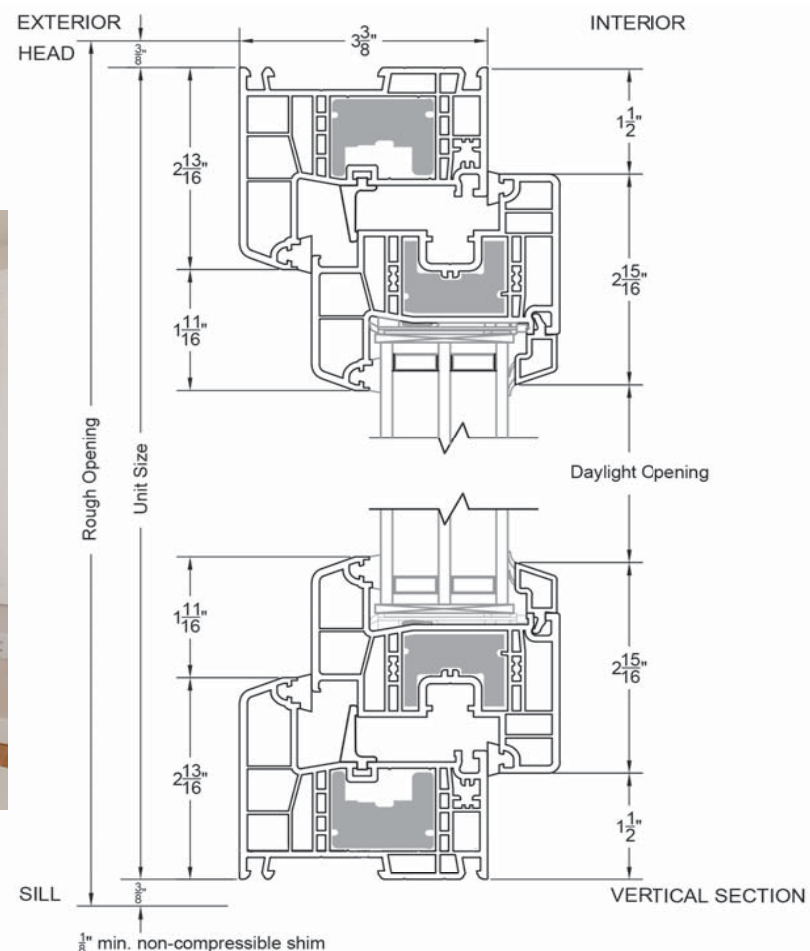


70mm Frame

- uPVC frame constructed with a chambered design
- Steel loaded for added structural performance
- Full perimeter multi-point locking system
- Screens standard on tilt-turn units
- 2 3/4" frame depth

70mm Frame	272/CL/272				180/CL/180			
	U-Factor	R-Value	SHGC	VT	U-Factor	R-Value	SHGC	VT
Triple Glazed								
Glass Only	0.13	7.7	0.35	0.57	0.13	7.7	0.56	0.70
Tilt / Turn	0.17	5.9	0.24	0.39	0.18	5.6	0.38	0.47
Picture	0.15	6.7	0.29	0.46	0.16	6.3	0.46	0.56
Lift and Slide	0.18	5.6	0.24	0.38	0.19	5.3	0.37	0.46
In-Swing Door	0.19	5.3	0.21	0.33	0.20	5.0	0.33	0.40
Out-Swing Door	0.19	5.3	0.21	0.34	0.20	5.0	0.34	0.41

	Minimum	Maximum	Limitations	Notes
Tilt / Turn	Width: 18" Height: 17.5"	Width: 60" Height: 100"	39.5 sq. ft.	Triple glazed units have additional sq.ft. limitations due to sash weight
Picture	Width: 10" Height: 10"		50 sq. ft.	Max width and height depend on width/height aspect ratio and total sq. ft.
Lift and Slide		Width: 240" Height: 108"		15'-0" max width for 2-panel door Doors over 96" will come knocked down
Swing Doors		Width: Single Door: 42" French Door: 84" Height: 96" **	264 lbs. per door panel	Max weight rating of hinge system: 264 lbs **Any door over 84" in height will require a 4th hinge located at the top of the unit.



86mm Frame

- Fully reinforced polymer window profile system using a fiber composite material
- Six-chambered frame provides unmatched thermal insulation
- Continuous triple weather seal with compression seal
- Full perimeter multi-point locking system
- Screens standard on tilt-turn units
- 3 3/8" frame depth
- Passive House certified profiles available

86mm Frame	272/CL/272				180/CL/180			
	U-Factor	R-Value	SHGC	VT	U-Factor	R-Value	SHGC	VT
Triple Glazed								
Glass Only	0.13	7.7	0.35	0.57	0.13	7.7	0.56	0.70
Tilt / Turn	0.15	6.7	0.24	0.39	0.16	6.3	0.39	0.47
Picture	0.15	6.7	0.28	0.45	0.16	6.3	0.44	0.55
In-Swing Door	0.17	5.9	0.20	0.34	0.18	5.6	0.35	0.43
Out-Swing Door	0.18	5.6	0.20	0.34	0.18	5.6	0.35	0.43

	Minimum	Maximum	Limitations	Notes
Tilt / Turn	Width: 18" Height: 17.5"	Width: 60" Height: 100"	39.5 sq. ft.	Triple glazed units have additional sq.ft. limitations due to sash weight
Picture	Width: 10" Height: 10"		50 sq. ft.	Max width and height depend on width/height aspect ratio and total sq. ft.
Swing Doors		Width: Single Door: 42" French Door: 84" Height: 96" **	264 lbs. per door panel	Max weight rating of hinge system: 264 lbs **Any door over 84" in height will require a 4th hinge located at the top of the unit.