2007 Residential WSEC Chapter 6: Window, Skylight and Door Schedules

Project Address _____ Permit Number _____

Instructions: Fill out the window and door schedules. Use actual NFRC tested U-factor data whenever possible, or use the appropriate WSEC Chapter 10 default table. Use the Glazing to Floor Area Calculation to determine your particular Prescriptive Option.

Window Schedule (include sliding glass doors)

Location (Room)	Frame Type and # of Panes	Manufacturer and Model	List Reference Source of U-factor	Size (H x W)	Quantity	Area (ft^2)	U-factor	UA Value (Area x U-factor)
					Total Window Area:		Glazing UA:	

Skylight Schedule

Location (Room)	Frame Type and # of Panes	Manufacturer and Model	List Reference Source of U-factor	Size (H x W)	Quantity	Area (ft^2)	U-factor	UA Value (Area x U-factor)
					Total Skylight Area:		Skylight UA:	

Door Schedule

One unregulated door is still allowed; Glazed doors are considered windows

Location (Room)	Type	Glass Area (ft^2)	Single Pane?	Manufacturer and Model	Size (H x W)	Quantity	Door Area (ft^2)	U-factor	UA Value (Door Area x U-factor)
	Area of Door Glass:					Total Door Area:		Door UA:	

Plan Review (For Office Use Only)

The selected Option is appropriate for this dwelling design? Yes ( ) No ( )

NOTES: _____

_____

Approved By:_____ Date: _____

Simple Heating System Size: Climate Zone 1

Project Information	*Contact Information*

Indoor Design Temperature	70
Outdoor Design Temperature	
Design Temperature Difference	
Indoor - Outdoor Design Temp	70
Conditioned Floor Area	
Conditioned Volume	

Glazing

Copy Sum of UA from Glazing Schedule

Attic	**U-factor**	**X**	**Area**	**=**	**UA**	
R-38	0.031					
R-38 Scissor	0.035					
R-38 Advanced	0.026					
Single Rafter Joist	**U-factor**	**X**	**Area**	**=**	**UA**	
R-30	0.034					
R-38	0.027					
Above Grade Walls	**U-factor**	**X**	**Area**	**=**	**UA**	
R-21	0.057					
Floors	**U-factor**	**X**	**Area**	**=**	**UA**	
R-30	0.029					
Below Grade Walls	**U-factor**	**X**	**Area**	**=**	**UA**	
R-21 interior	0.037					
R-10 exterior	0.056					
Slab Below Grade	**F-factor**	**X**	**Length**	**=**	**UA**	
R-21 interior walls	0.57					
R-10 exterior walls	0.42					
Slab on Grade	**F-factor**	**X**	**Length**	**=**	**UA**	
R-10 perimeter	0.54					
R-10 Full - Heated	0.51					

Sum of UA

Envelope Heat Load — Btu / Hour

Sum of UA X Design Temperature Difference

Air Leakage Heat Load — Btu / Hour

((Volume X 0.6) X Design Outdoor Temp) X .018))

Building Design Heat Load — Btu / Hour

Air Leakage + Envelope Heat Loss

Building and Duct Heat Load — 1 — Btu / Hour

If ducts are located in unconditioned space: Sum of Building Heat Loss X 1.15

If ducts are located in conditioned space: Sum of Building Heat Loss X 1

Maximum Heat Equipment Output — 150% — Btu / Hour

Building and Duct Heat Loss X 1.50