

						-9	Winter DB
Structure	Climate Zone	6	Wall Required U	0.06		70	T _i
Mass Wall (b)			Wall Required R	16.66666667	Req'd Add'l Rv	55	Dew Point
Layer	Thickness	% of surface	Material R-Value	Overall R-Value	for Dew Point	Temp w/o Add'l	Add'l Ins. Temp
Interior Air	1.00	100.00%	0.61	0.61		67.07861933	68.59691009
CLT	4.125	100.00%	1.25	5.15625		42.38457167	56.73677506
Rockwool Comfortboard 80	4.25	100.00%	4.2		17.85	42.38457167	15.679144
Rockwool Comfortboard 80	2.00	100.00%	4.2	8.4		2.155723108	-3.642094153
Air Barrier	1.00	80.00%	1	0.8		-1.675595802	-5.482212072
Exterior Furring Strips (1x2)	0.75	20.00%	1.25	0.1875		-2.573561172	-5.913489709
BRD & Bttn Wood Siding (1x8)	0.75	100.00%	1.25	0.9375		-7.06338802	-8.069877896
brd & BTTN Wood Siding (1x2)	0.75	25.00%	1.25	0.234375		-8.185844732	-8.608974942
Exterior Air	1.00	100.00%	0.17	0.17		-9	-9
			Assembly Subtotal	16.495625	34.35	Total R Value	
			Non-Insulated Subtotal	8.095625			
Exterior Wall Area	1,310.68	sf					
Total Window&Door Area	237.80	sf					
Fenestration area %	18.14%						
Fenestration U-factor	0.250						
Total Fenestration R-value	0.73		Assembly Overall R	13.50278188			
			Fenestration Overall R	0.7257301553			
	Req'd R(A)	13.69359213	Calculated R(A)	14.22851203			
2015 IECC R402.1.4 (Calc'd):	Req'd UA	0.07302685742	Calculated UA	0.07028141789			
Total R Required for Ext. Insul.	7.85		R/inch	inches Req'd			
XPS			4.7	1.75			
EPS			3.7	2.25			
Rockwool Comfortboard 80		VP	4.2	2			
Polyiso			6.5	1.25			
Wood Fiber TimberHP		VP	3.4	2.5			
Mineral Wool, Rigid (RW-CB110)		VP	4	2			

						-9	Winter DB
Structure	Climate Zone	6	Wall Required U	0.06		70	T _i
Mass Wall (b)			Wall Required R	16.66666667	Req'd Add'l Rv	55	Dew Point
Layer	Thickness	% of surface	Material R-Value	Overall R-Value	for Dew Point	Temp w/o Add'l	Add'l Ins. Temp
Interior Air	1.00	100.00%	0.61	0.61		67.12866346	69.14983516
CLT	6.875	100.00%	1.25	8.59375		26.67694485	57.17261531
Rockwool Comfortboard 80	9.50	100.00%	4.2		39.90	26.67694485	1.563472374
Rockwool Comfortboard 80	1.25	100.00%	4.2	5.25		1.964622202	-5.753520117
Air Barrier	1.00	80.00%	1	0.8		-1.801065058	-6.868490402
Exterior Furring Strips (1x2)	0.75	20.00%	1.25	0.1875		-2.68364801	-7.129811562
BRD & Bttn Wood Siding (1x8)	0.75	100.00%	1.25	0.9375		-7.096562768	-8.436417364
brd & BTTN Wood Siding (1x2)	0.75	25.00%	1.25	0.234375		-8.199791457	-8.763068815
Exterior Air	1.00	100.00%	0.17	0.17		-9	-9
			Assembly Subtotal	16.783125	56.68	Total R Value	
			Non-Insulated Subtotal	11.533125			
Exterior Wall Area	1,310.68	sf					
Total Window&Door Area	237.80	sf					
Fenestration area %	18.14%						
Fenestration U-factor	0.250						
Total Fenestration R-value	0.73		Assembly Overall R	13.73812002			
			Fenestration Overall R	0.7257301553			
	Req'd R(A)	13.69359213	Calculated R(A)	14.46385018			
2015 IECC R402.1.4 (Calc'd):	Req'd UA	0.07302685742	Calculated UA	0.0691378843			
Total R Required for Ext. Insul.	4.41		R/inch	inches Req'd			
XPS			4.7	1			
EPS			3.7	1.25			
Rockwool Comfortboard 80		VP	4.2	1.25			
Polyiso			6.5	0.75			
Wood Fiber TimberHP		VP	3.4	1.5			
Mineral Wool, Rigid (RW-CB110)		VP	4	1.25			