

Table 8-2 Assembly 8 thermal modeling results for both Options A and B.

Exterior Insulation Thickness	Assembly 1B: Wood Frame Wall with Adhered Masonry, 23% Framing Factor 2x6 Framing, R-21 Batts, R-4.2/in - R-6/in Exterior Insulation, Thin Set Masonry			
	Nominal Insulation R-Value (Cavity + Exterior Insulation)	Cavity + Exterior Insulation (Without Penetrations)	3D Thermal Modeling Effective R-Value (ft ² ·°F·hr/Btu)	
			Fiberglass Clips (0.8% Area)	
			Stainless Fasteners	Galvanized Fasteners
0"	21	18.2		
1"	21 + 4.2-6	22.5-24.3	21.9-23.5	21.7-23.2
2"	21 + 8.4-12	26.8-30.5	25.8-28.8	25.4-28.2
3"	21 + 12.6-18	31.0-36.4	29.4-33.8	28.7-32.7
			Intermittent 6" Z-Girts (0.09% Area)	
			Stainless Girt	Galvanized Girt
0"	21	18.2		
1"	21 + 4.2-6	22.5-24.3	21.7-23.2	21.5-22.8
2"	21 + 8.4-12	26.8-30.5	25.3-28.0	24.7-27.2
3"	21 + 12.6-18	31.0-36.4	28.6-32.4	27.6-30.9

Framing	Assembly 1A: Wood Frame Wall with Adhered Masonry, 23% Framing Factor No Exterior Insulation, Thick Set Masonry over Drain Mat			
2x6	21	17.7		
2x8	30	22.2		

Table 8-3 Assembly 8 prescriptive energy code compliance values excerpted from Table i-1 of the introductory chapter

OPAQUE ABOVE-GRADE WALL - THERMAL ENVELOPE REQUIREMENTS												
Guide Assembly #	Energy Code Climate Zone	2012 SEC 5 and Marine 4		2012 WSEC 5, 6 and Marine 4		2014 OEESC 5 and Marine 4		2012 IECC				
		All Other	Group R	All Other	Group R	All Other	Group R	All Other	Group R	All Other	Group R	
8A 8B	Wood Frame Wall with Adhered Masonry Veneer	Wood-Framed and Other	R-13 + R-7.5ci	R-21 int	R-21 int	R-21 int	R-13 + R-3.8ci or R-21 int	R-13 + R-3.8ci or R-21 int	R-13 + R-3.8ci or R-20	R-13 + R-7.5ci or R-20 + R-3.8ci	R-13 + R-7.5ci or R-20 + R-3.8ci	R-13 + R-7.5ci or R-20 + R-3.8ci
			(U-0.051) R-19.6	(U-0.051) R-19.6	(U-0.054) R-18.5	(U-0.054) R-18.5	(U-0.064) R-15.6	(U-0.064) R-15.6	(U-0.064) R-15.6	(U-0.064) R-15.6	(U-0.051) R-19.6	(U-0.051) R-19.6

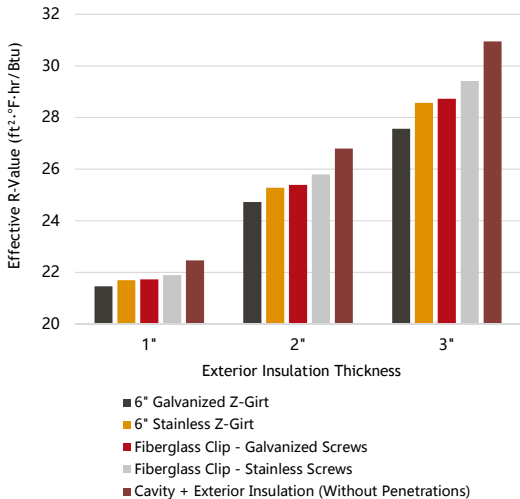


Fig. 8-12 Assembly 8 Option B effective R-values for different cladding support clips and R-4.2/inch insulation

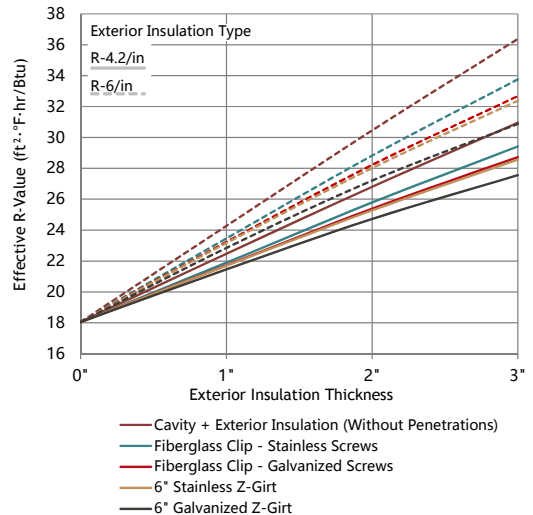


Fig. 8-11 Assembly 8 effective R-value modeling results for various cladding support clips and a range of insulation R-values/inch.