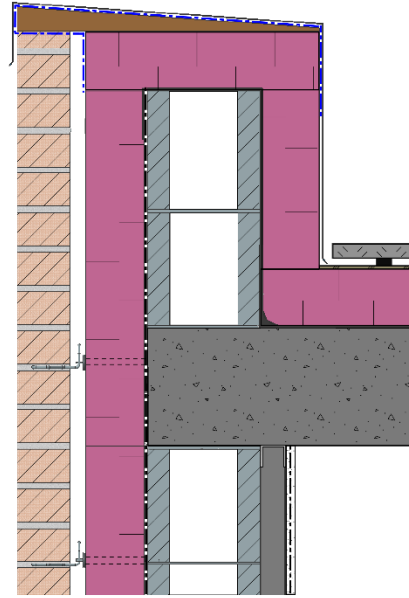
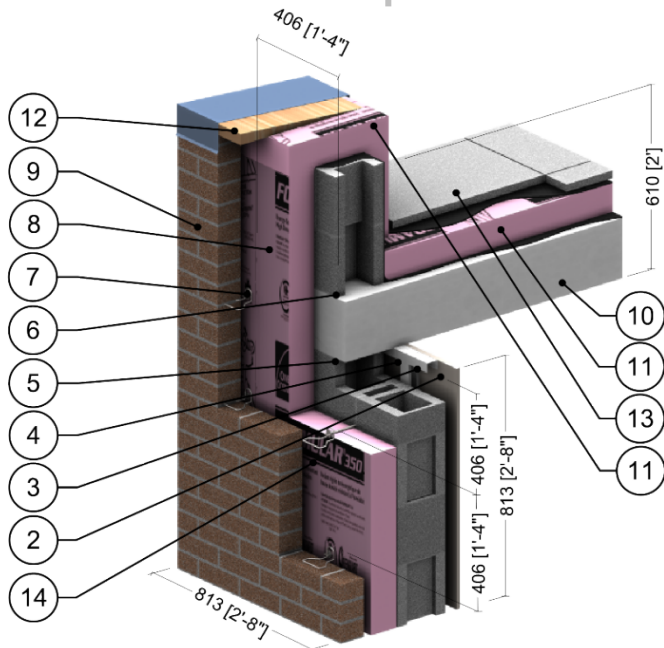


# Detail 7.5.12

## Owens Corning Exterior Insulated Concrete Block Wall Assembly with Heckmann Pos-I-Tie Veneer Anchoring System Supporting Brick Veneer – Parapet & Roof Intersection with Insulation Wrapped Around Parapet



ID	Component	Thickness Inches (mm)	Conductivity Btu-in / ft <sup>2</sup> -hr-°F (W/m K)	Nominal Resistance hr-ft <sup>2</sup> -°F/Btu (m <sup>2</sup> K/W)	Density lb/ft <sup>3</sup> (kg/m <sup>3</sup> )	Specific Heat Btu/lb-°F (J/kg K)
1	Interior Film <sup>1</sup>	-	-	R-0.6 to R-0.7 (0.11 RSI to 0.12 RSI)	-	-
2	Gypsum Board	1/2" (13)	1.1 (0.16)	R-0.5 (0.08 RSI)	50 (800)	0.26 (1090)
3	1 5/8" Steel Studs with Metal Tracks	20 gauge	430 (62)	-	489 (7830)	0.12 (500)
4	Air in Stud Cavity	1 5/8" (41)	-	R-0.9 (0.16 RSI)	0.075 (1.2)	0.24 (1000)
5	Standard Concrete Block	7 5/8" (190)	3.5 (0.5)	-	119 (1900)	0.19 (800)
6	Cement Mortar	-	3.5 (0.5)	-	113 (1800)	0.12 (500)
7	Heckmann Pos-I-Tie Masonry Tie @ 16" (406) o.c.	varies	-	-	-	-
8	Foamular CodeBord/C-200 Extruded Polystyrene (XPS) Rigid Insulation Type 3	varies	0.20 (0.029)	R-10 to R-20 (1.76 to 3.52 RSI)	1.8 (28)	0.29 (1220)
9	Brick Veneer	3 5/8" (92)	5.4 (0.78)	-	120 (1920)	0.19 (720)
10	Concrete Slab	8" (203)	12.5 (1.8)	-	140 (2250)	0.20 (850)
11	Foamular XPS Rigid Insulation	4" (102)	0.20 (0.029)	R-20 (3.52 RSI)	1.8 (28)	0.29 (1220)
12	Wood Blocking	5/8" (16)	0.69 (0.10)	R-1.0 (0.18 RSI)	31 (500)	0.45 (1880)
13	Flashing & roof finish materials are incorporated into exterior heat transfer coefficient					
14	Air Gap	1" (25)	-	R-0.9 (0.16 RSI)	0.075 (1.2)	0.24 (1000)
15	Exterior Film <sup>1</sup>	-	-	R-0.2 to R-0.7 (0.03 RSI to 0.12 RSI)	-	-

<sup>1</sup> Value selected from table 1, p. 26.1 of 2009 ASHRAE Handbook – Fundamentals depending on surface orientation