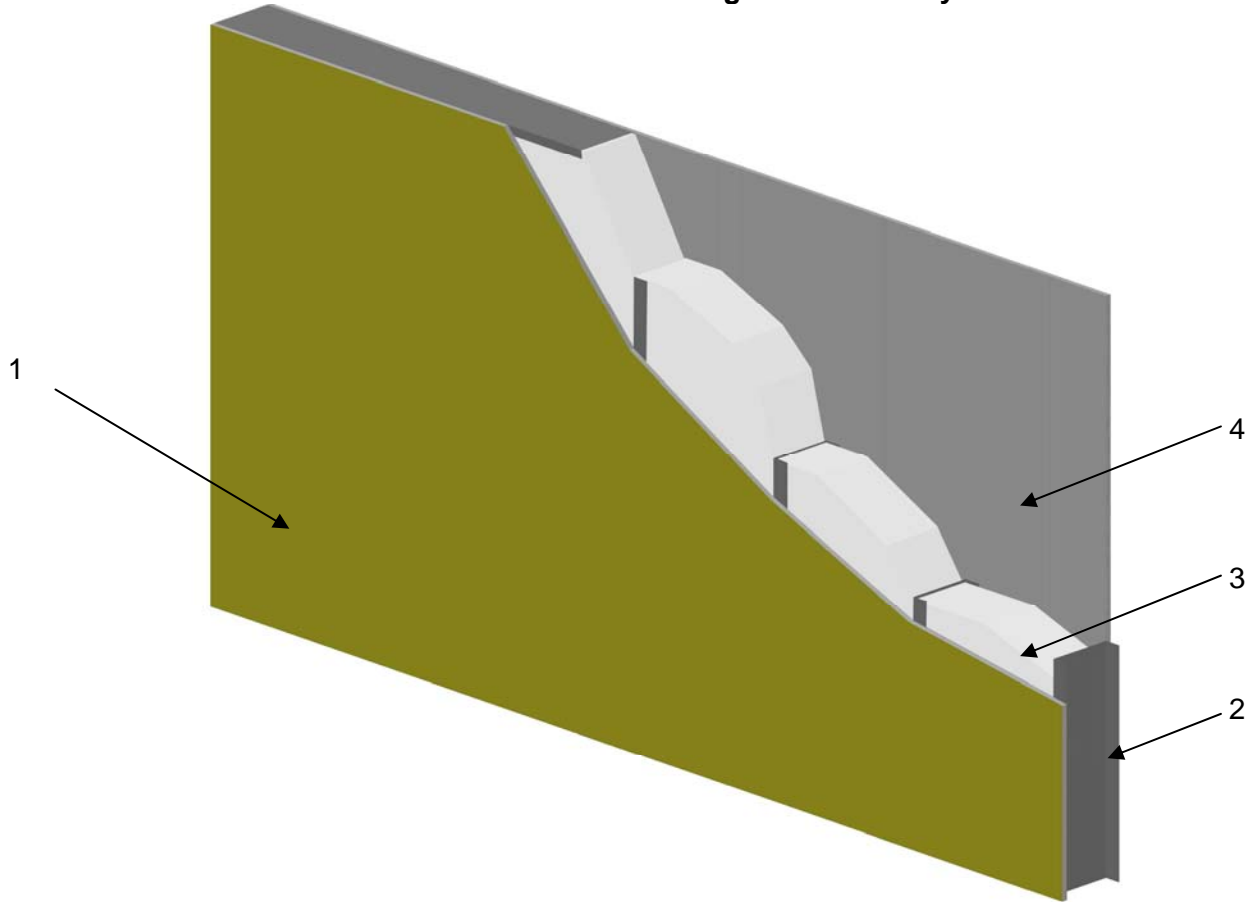




QAI Design B1056-1g – Icynene Inc. – NFPA 285 Exterior Non-Load Bearing Wall Assembly



No.	COMPONENT	DESCRIPTION
1	Exterior Sheathing	Sheathing Type: Must meet the requirements of ASTM C1777 for Glass Mat Gypsum Substrate
		Minimum Thickness: 1/2 inch (12 mm)
		Vertical Joint Offset: Vertical joints must have a minimum 16 inches (400 mm) offset from the interior gypsum board (Item 6)
		Horizontal Joint Offset: Horizontal joints must have a minimum 24 inches (610 mm) offset from the interior gypsum board (Item 6)
		Minimum Fastener Size: #6 x 1-1/4 inch (32 mm) long self-taping zinc plated drywall screws
		Maximum Fastener Spacing: 8 inches (200 mm) on center around the perimeter and the field
2	Steel Stud	Minimum Gauge: 18 ga galvanized steel stud meeting the requirements of ASTM A370 or CAN/CSA-S136
		Minimum Size: 6 inch (152 mm) deep
		Maximum Spacing: 16 inches (400 mm) on center
		Installation: As per ASTM C955
3	Insulation	Certified Company: Icynene, Inc.
		Certified Product: Polyurethane Foam Insulation
		Certified Model(s): Classic (LD-C-50™), Classic Max (LD-C-50™ V2), Classic Plus (LD-C-70™), Classic ECO (LD-R-50™), Pro Seal (MD-C-200™) and Pro Seal ECO (MD-R-210™)
		Application: Spray applied
		Maximum Thickness: 6 inches (152 mm)
		Maximum Density: 0.55 lbs/ft ³ (9 kg/m ³) [Classic, Classic Max & Classic ECO] 0.77 lbs/ft ³ (12 kg/m ³) [Classic Plus] 2.2 lbs/ft ³ (35 kg/m ³) [Pro Seal] 2.3 lbs/ft ³ (37 kg/m ³) [Pro Seal ECO]
4	Gypsum Board	Details: Applied between the steel stud (Item 4) cavities. Trim any excess insulation (trim insulation flush with the front edge of the steel stud) (Item 4)
		Type: Type X Gypsum Board meeting the requirements of ASTM C1396 or CAN/CSA-A82.27
		Minimum Thickness: 5/8 inch (16 mm)
		Minimum Fastener Size: #6 x 1-1/4" (32 mm) long self-taping zinc plated drywall screws
		Maximum Fastener Spacing: 8 inches (200 mm) on center around the perimeter and 12 inches (305 mm) on center in the field
4	Gypsum Board	Finish: Joints to be tapped and mudded, and fastener heads to be mudded to a level 2 finish as per ASTM C840 or CSA A82.31-M & Gypsum Association GA-216/214