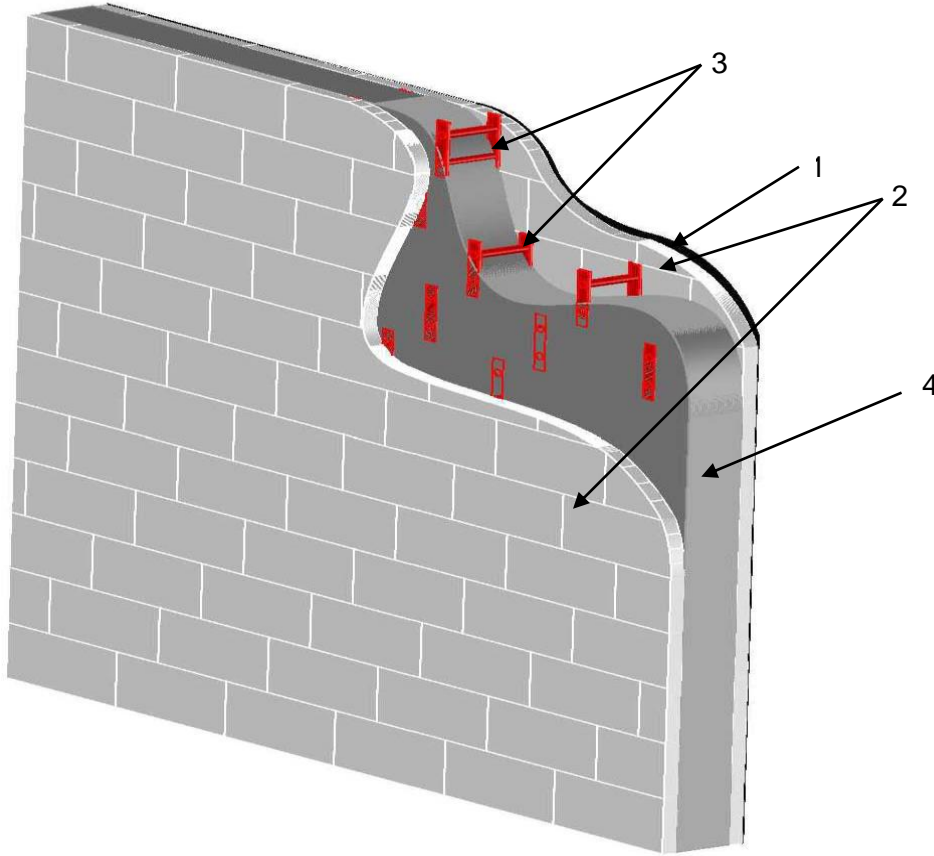


QAI Design B1051-1 Superform Insulated Concrete Form (ICF) – CAN/ULC S101 / ASTM E119
Load Bearing Fire-Resistance-Rated Wall Assemblies¹

ASSEMBLY RATING (Hours)	MINIMUM CONCRETE CORE (MM)	MINIMUM CONCRETE CORE (INCHES)
3	152	6 ¹
4	165	6.5 ¹



No.	COMPONENT	DESCRIPTION
1	Interior Sheathing (Not Shown)	Any approved thermal barrier for the protection of foam plastic insulation, per the applicable building code can be used.
2	Expanded Polystyrene (EPS) Insulation	Superform ICF component 70 mm (2 ¾) inch thickness Type 2 (CAN/ULC S701) / Type II (ASTM C578) QAI certified expanded polystyrene thermal insulation. Superform ICF EPS panels have interlocking teeth to allow stacking onsite to create the forming wall.
3	Web Ties	Superform polypropylene web tie components spaced at 153 mm (6 inches) on center spacing through Superform ICF. Web ties can be stacked or staggered vertically during installation (staggered web tie system shown).
4	Concrete Core	Minimum 21 MPa (3,000 psi) compressive strength at 28 days. Steel reinforcing, while not shown, is approved for use. Rebar addition is to be designed and approved by a registered design professional, or authority having jurisdiction in accordance with the applicable code requirements.
5	Exterior Cladding (Not Shown)	Exterior claddings are approved for use with the Superform ICF fire-resistance rated load bearing wall assemblies without negatively impacting the fire rating. These exterior claddings include: brick veneer, stucco, fire-resistance rated exterior insulating finish systems, cultured stone, aluminum and steel products. All exterior claddings are to be installed with the applicable building code, and the manufacturer's approved installation instructions.

Note 1: The allowable load for Superform ICF fire-resistance-rated assemblies are to be determined by a registered design professional, or authority having jurisdiction in accordance with the applicable codes.