# Below Grade Wall Assembly 

Building Inspection
Inspection des bâtiments

Description: ICF wall consisting of $203.2 \mathrm{~mm}\left(8^{\prime \prime}\right)$ concrete core with 63.5 mm ( $2.5^{\prime \prime}$ ) expanded polystyrene (Type 2 ) insulation each side. Interior finished with $12.7 \mathrm{~mm}\left(1 / 2^{\prime \prime}\right)$ gypsum board.

| Layer | Assembly Components (layer listed from exterior to interior) |  | RSI Value |
| :---: | :--- | ---: | ---: | R Value

Note:
The thermal resistance values of each continuous layer incorporated in the assembly are from A-9.36.2.4.(1)D.

Parallel Heat Flow Calculation:


| \% Area of Framing | N/A Value of the area of framing member obtained from Table A-9.36.2.4.(1)A |
| :--- | :--- |
| \% Area of Cavity | N/A Values of the area of cavity obtained from Table A-9.36.2.4.(1)A |
| RSI Framing | N/A |
| RSI Cavity | N/A |
| RSI Parrallel * | N/A |

Note: The above values and references are from the 2010 National Building Code of Canada.This document is intended to be used for reference purposes. The assembly components shall be detailed in a cross section on the submitted plans.

| $\mathrm{RSI}_{\text {eff }}=$ | $\mathbf{3 . 8 3}$ | $\left(\mathrm{m}^{2} \cdot \mathrm{~K}\right) / \mathrm{W}$ | $\mathrm{R}_{\text {eff }}=$ |
| :--- | :--- | :--- | :--- |
| eff $=$ effective thermal resistance |  | 21.8 | $\left(\mathrm{~h} \cdot \mathrm{ft}^{2} \cdot{ }^{\circ} \mathrm{F}\right) / \mathrm{Btu}$ |

