

INSTRUCTIONS: RESIDENTIAL BUILDING APPLICATION

All drawings must be submitted in ink. Pencil drawings will not be accepted.

Submission Requirements:

A completed Residential Building package which includes:

- 1.** A complete '**Residential Building Permit Application Check Sheet**'
- 2.** For 'Building Plans and Specifications' ensure the following information is provided as per the 2014 Alberta Building Code. Unless otherwise indicated all information is required to be illustrated on the plans for ALL compliance paths:
 - Foundation Plan:
 - Pad size, location and construction specifications
 - Indicate location of columns and beams
 - Floor Plans:
 - Provide square footage for all floor levels, garages and decks.
 - Indicate all rough openings for door and window sizes complete with U or ER value.
 - Building Elevations:
 - All sides of the house: Side elevations to illustrate unprotected openings shown as a % to building face
 - Note: a *cantilever* is a separate building face
 - Building height
 - Finished ground level
 - Exterior finishing materials
 - Assemblies of materials forming floors, walls, roofs, decks, etc.
 - Sections and Details:
 - Provide fully-labeled sections of all assemblies forming floors, walls, roofs, decks, etc.
 - Note: Tall wall framing details required when an exterior wall exceeds 11' 9"
 - **Prescriptive Path** - Indicate RSI value for proposed opaque assemblies for above ground and below grade/in-ground-contact. Show the source of assembly or component thermal resistance values (eg. ABC2014: Div B: A-9.36.2) www.cwc.ca/resources/wall-thermal-design/ has an extensive list of possible assemblies. If an assembly from this site is chosen, a cross reference to the applicable table in the ABC is required to verify values, therefore the example given would still apply as the source.
 - Note: Conversion factor $RSI \times 5.678 = 1 R$
 - Include all assemblies detailing 9.36 thermal insulation details, as well as air barrier construction as required according to the proposed ACH.
 - **Prescriptive Path** – as per 9.36.2.9 & 9.36.2.10
 - **Performance Path** – 3.2 ACH – Design as per 9.25
2.5 ACH – Design as per 9.25, 9.36.2.9 & 9.36.2.10

- Window Installation Detail including:
 - Means of sill protection
 - Continuous air barrier system
 - Insulation installation

Note: As an alternative, you may indicate 'Installation as per A440.4-07' however, you MUST indicate which option from section 7, 8 and 9 will be implemented.

3. A set of heat loss calculations that include:
 - Room by room heat loss calculations and CFM output
 - Make, model and size of furnace (BTU)

Please Note: You are only applying for a Building Permit. The project WILL also need the following permits.

- a. Electrical Permit
- b. Plumbing Permit
- c. Gas Permit
- d. Hydronic Heating Permit (if applicable)

The responsibilities lies with the Builder to ensure adequate permits are acquired. It is also the Builders responsibility to ensure an Occupancy Certificate is obtained prior to occupancy.

Building Inspection Requirements:

By law, we must inspect the construction work at various stages:

1. Building
 - a. Foundation: Prior to backfill.
 - b. Framing: After all sub-trade "rough-in" work is completed, but BEFORE insulating.
 - c. Pre Drywall: After insulation and air barrier are complete.
 - d. Final Inspection: After all work is complete.