

## Requirements for a CSA Approved RTM

### **Submit:**

1. 2 Sets of House Plans or Drawings
2. Site Plan
3. Engineered foundation designs if required (see below)
4. Roof Truss and floor joist layout: for areas not supplied by home manufacture
5. Ventilation system designs (return design worksheets provide with plan review)

### **Drawing Requirements:**

#### **Site plan**

Building address; street names; size of the site; size of the building(s); location of the building(s) in relationship to the property lines and other buildings; setback distances of building(s) from front, rear and sides of the property on all sides; legal description; easements.

#### **Foundation plan**

Overall size of the foundation; size and location of footings, piles, foundation walls, retaining walls and slabs; size and location of openings for doors, windows and crawlspace or basement access; foundation drainage; size, material and location of columns and beams; compressive strength of concrete. Wood foundations to meet or exceed CAN/CSA-S406-92 "Construction of Preserved Wood Foundations" or engineered.

#### **Floor Systems**

For areas not supplied by the home manufacture provide complete engineered design and layout of all 'T' joist and/or floor truss systems; dimensional lumber floor joist layout including size and spacing.

#### **Floor Plan**

Size and location of interior and exterior walls; exits; fire separations; doors (including door swings); stairs; windows showing type and size; cabinets; vanities; fireplaces; plumbing fixtures; electrical and heating (can be on separate page); intended use of all rooms.

#### **Elevations (4)**

Include views of all sides of the building; height of finished grade; exterior finishing materials; doors and windows shown; location and height of chimneys; roof pitch.

#### **Cross section c/w details**

Cut through views of the building; lists of all materials cut through including structural and finishing materials; vertical dimensions; stair dimensions and headroom; height of finished grade.

#### **Roof Trusses**

For garage and/or areas not provided by the manufacture of the home provide complete engineered design and layout of all engineered roof trusses.

### **Engineering is required for the following:**

- Slab on grade foundations where the house superstructure is supported on a slab with or without piles.
- Piles and grade beam type (deep house foundations).
- Wood foundations exceeding the S406-92 Standard (approximately greater than 32 feet wide)
- Unusual not typical or innovative designs not proven or tested
- Non approved, materials, foundation constituents or products requiring an engineer for use
- Roof Trusses, this is supplied by the roof truss designers. **Handmade trusses are not approved**
- Floor joists and floor truss designs these will be supplied by the manufacture
- Tall walls exceeding 2x6 at 12'

### **Ventilation System Design:**

Due to the building code requirements for quality and safe air in a home you must have a ventilation system designed for the home by a qualified mechanical contractor or plumber. Worksheets may be provided.