

**PART 1      GENERAL**

**1.1          Related Sections**

- .1      Section 06 10 00 – Rough Carpentry.
- .2      Section 07 26 00 - Vapour Retarders.

**1.2          References**

- .1      American Society for Testing and Materials, (ASTM).
  - .1      ASTM C553, Specification for Mineral Fibre Blanket Thermal Insulation for Commercial and Industrial Applications.
  - .2      ASTM C665, Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.
  - .3      ASTM C1320, Standard Practice for Installation of Mineral Fiber Batt and Blanket Thermal Insulation for Light Frame Construction.
  - .4      ASTM E84, Test Method for Surface Burning Characteristics of Building Materials.
- .2      Canadian Gas Association (CGA)
  - .1      CAN/CGA-B149.1, Natural Gas and Propane Installation Code Handbook.
  - .2      CAN/CGA-B149.2, Propane Storage and Handling Code.
- .3      Canadian Standards Association (CSA International).
  - .1      CSA B111, Wire Nails, Spikes and Staples.
- .4      Underwriters Laboratories of Canada (ULC).
  - .1      CAN/ULC-S702, Standard for Mineral Fibre Insulation.

**1.3          Submittals**

- .1      Product Data:
  - .1      Submit manufacturer's printed product literature, specifications and data sheet.
- .2      Manufacturer's Instructions:
  - .1      Submit manufacturer's installation instructions.

#### **1.4 Measurement For Payment**

- .1 No measurement for payment is to be made under this section. Include costs in unit prices or lump sum for items in which this item is required.

### **PART 2 PRODUCTS**

#### **2.1 Insulation**

- .1 Thermal batt and blanket mineral fibre:
  - .1 Unfaced glass fiber thermal insulation to ASTM C665 Type:I, thickness and RSI value as indicated on drawings.
  - .2 Semi-rigid mineral wool batt insulation to CSA/ULC-S702, made from basalt rock and slag, thickness and RSI value as indicated on drawings.
- .2 Acoustic batt insulation:
  - .1 Unfaced glass fiber acoustical insulation to ASTM C665, Type I, thickness as indicated.
    - .1 Flame spread: 10 to ASTM E84.
    - .2 Smoke development: 10 to ATSM E84.
    - .3 Sound transmission Class: STC 49.
    - .4 Dimensional stability: linear shrinkage less than 0.1%.

### **PART 3 EXECUTION**

#### **3.1 Manufacturer's Instructions**

- .1 Compliance: comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

#### **3.2 Insulation Installation**

- .1 Install insulation to maintain continuity of thermal protection to building elements and spaces and for sound attenuation as noted on drawings.
- .2 Fit insulation closely around electrical boxes, pipes, ducts, frames and other objects in or passing through insulation.
- .3 Do not compress insulation to fit into spaces.
- .4 Keep insulation minimum 75 mm from heat emitting devices such as recessed light fixtures, and minimum 50 mm from sidewalls and CAN/CGA-B149.1 and CAN/CGA-B149.2 Type B and L vents.

- .5 Do not enclose insulation until it has been inspected and approved by Engineer.

### **3.3 Cleaning**

- .1 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

**END OF SECTION**