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## **1 General**

### **1.1 SCOPE OF WORK**

- .1 The locations for the work that is described in this section are the following:
  - 1. OPTIONAL SITE 1: Commanding Officer's Quarters: 508 Fifth Avenue, Dawson, Yukon
  - 2. OPTIONAL SITE 2: Madame Tremblay's Store: Third Avenue Southeast Corner King Street, Dawson, Yukon
  - 3. OPTIONAL SITE 3: McCauley House, Dawson, Yukon
- .2 Refer to Section 01 01 50 – General Instructions for extent of work required at each location.

### **1.2 RELATED SECTIONS**

- .1 All part of the Contract Documents apply to and govern the work of this Section.
- .2 Section 01 01 50 – General Instructions
- .3 Section 01 33 00 – Submittal Procedures
- .4 Section 01 35 33 – Health and Safety Requirements
- .5 Section 01 35 43 – Environmental Procedures
- .6 Section 01 74 11 – Cleaning
- .7 Section 01 74 21 - Waste Management and Disposal

### **1.3 REFERENCES**

- .1 American Society for Testing and Materials International (ASTM)
  - .1 ASTM C553-02, Specification for Mineral Fibre Blanket Thermal Insulation for Commercial and Industrial Applications.
  - .2 ASTM C665-01e1, Specification for Mineral-Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.
  - .3 ASTM C1320-05, Standard Practice for Installation of Mineral Fiber Batt and Blanket Thermal Insulation for Light Frame Construction.
- .2 Canadian Standards Association (CSA International)
  - .1 CSA B111-1974(R2003), Wire Nails, Spikes and Staples.
- .3 Underwriters Laboratories of Canada (ULC)
  - .1 CAN/ULC-S702-1997, Standard for Mineral Fibre Insulation.

### **1.4 SUBMITTALS**

- .1 Product Data:
    - .1 Submit manufacturer's printed product literature, specifications and data sheet in accordance with Section 01 33 00 - Submittal Procedures.
    - .2 Submit two copies of WHMIS MSDS - Material Safety Data Sheets in accordance with Section 01 33 00 - Submittal Procedures.
  - .2 Manufacturer's Instructions:
    - .1 Submit manufacturer's installation instructions.
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## **1.5 QUALITY ASSURANCE**

- .1 Test Reports: certified test reports showing compliance with specified performance characteristics and physical properties.
- .2 Certificates: product certificates signed by manufacturer certifying materials comply with specified performance characteristics and criteria and physical requirements
- .3 Health and Safety Requirements: do construction occupational health and safety in accordance with Section 01 35 29.06 - Health and Safety Requirements.

## **2 Products**

### **2.1 INSULATION**

- .1 **Fibrous glass** (flexible) insulation without membrane: to CAN/ULC-S702-1997 (current edition), preformed, friction fit batts, thickness as required to achieve required R-value.
  - .1 Material Standard: Type I, unfaced, as per ASTM C665.
  - .1 R-Value: R60 for roof space.
  - .2 Acceptable Product: CertainTeed Insulation Canada Inc. Sustainable Insulation Fibre Glass Building Insulation.

### **2.2 ACCESSORIES**

- .1 Staples: 12 mm minimum leg.
- .2 Tape: as recommended by manufacturer.
- .3 Insulation baffles: as recommended by manufacturer.

## **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 EXAMINATION**

- .1 Contractor to ensure that all old insulation has been removed before installation of new insulation.
- .1 Contractor to inspect existing vapour barrier and ensure that there are no holes/gaps. If any holes/gaps are found, they are to be filled/repaired as required.

### **3.3 INSULATION INSTALLATION**

- .1 Fit insulation closely around electrical boxes, pipes, ducts, frames and other objects in or passing through insulation. Cut and trim insulation neatly to fit spaces.
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- .2 Do not compress insulation to fit into spaces.
  - .3 Keep insulation minimum 75 mm from heat emitting devices such as recessed light fixtures, and minimum 50 mm from side walls of CAN4-S604 (current edition) type A chimneys and CAN1-B149.1 (current edition) and CAN1-B149.2 (current edition) type B and L vents.
  - .4 Install insulation to maintain continuity of thermal protection to building elements and spaces and to ASTM C1320.
  - .5 Install insulation baffles as per manufacturer's directions, ensuring soffit intake venting is not obstructed.
  - .6 Do not enclose insulation until it has been inspected and approved by Consultant.

### **3.4 CLEANING**

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

**END OF SECTION**

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