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PART 1 - GENERAL

- 1.1 RELATED REQUIREMENTS
- .1 Section 07 52 00 MODIFIED BITUMINOUS MEMBRANE ROOFING.
- 1.2 REFERENCES
- .1 American Society for Testing and Materials International (ASTM)
- .1 ASTM C 726-05, Standard Specification for Mineral Fiber Roof Insulation Board.
- .2 ASTM E 96/E 96M-05, Standard Test Methods for Water Vapour Transmission of Materials.
- .2 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
- .1 Material Safety Data Sheets (MSDS).
- 1.3 ACTION AND INFORMATIONAL 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. Indicate VOC's insulation products and adhesives.
- .2 Manufacturer's Instructions:
- .1 Submit manufacturer's installation instructions.
- 1.4 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 Convene pre-installation meeting one week prior to

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beginning work of this Section.

- .1 Verify project requirements.
- .2 Review installation and substrate conditions.
- .3 Co-ordinate with other building subtrades.
- .4 Review manufacturer's installation instructions and warranty requirements.

- .4 Health and Safety Requirements: do construction occupational health and safety in accordance with Section 01 35 29 - Health and Safety Requirements.

#### 1.5 WASTE MANAGEMENT AND DISPOSAL

- .1 Separate waste materials for recycling in accordance with Section 01 74 21 - Construction/Demolition Waste Management And Disposal.
- .2 Remove from site and dispose of packaging materials at appropriate recycling facilities.
- .3 Collect and separate for disposal paper plastic polystyrene corrugated cardboard packaging material in appropriate on-site for recycling in accordance with Waste Management Plan.

#### PART 2 - PRODUCTS

##### 2.1 SUSTAINABLE REQUIREMENTS

- .1 Materials and products in accordance with Section 01 47 17 - Sustainable Requirements: Construction.
- .2 Verification requirements in accordance with Section 01 47 17 - Sustainable Requirements: Contractor's Verification], include:
  - .1 Materials and resources.
  - .2 Storage and collection of recyclables.
  - .3 Construction waste management.
  - .4 Resource reuse.
  - .5 Recycled content.
  - .6 Local/regional materials.
  - .7 Low-emitting materials.

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## 2.2 INSULATION

- .1 Rigid Cellular Polyisocyanurate:  
Unfaced: to ASTM C591.
  - .1 Thickness: 76 mm.
  - .2 Size: 1219 x 1219mm.

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## 2.3 ADHESIVE

- .1 Adhered in accordance with insulation manufacturer's written recommendations.

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## PART 3 - EXECUTION

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### 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.

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### 3.2 WORKMANSHIP

- .1 Install insulation after building substrate materials are dry.
- .2 Install insulation to maintain continuity of thermal protection to building elements and spaces.
- .3 Fit insulation tight around electrical boxes, plumbing and heating pipes and ducts, around exterior doors and windows and other protrusions.
- .4 Cut and trim insulation neatly to fit spaces. Butt joints tightly, offset vertical joints. Use only insulation boards free from chipped or broken edges. Use largest possible dimensions to reduce number of joints.
- .5 Offset both vertical and horizontal joints in multiple layer applications.
- .6 Do not enclose insulation until it has been inspected

and approved by Departmental Representative.

3.3 EXAMINATION

- .1 Examine substrates and immediately inform Departmental Representative in writing of defects.
- .2 Prior to commencement of work ensure:
  - .1 Substrates are firm, straight, smooth, dry, free of snow, ice or frost, and clean of dust and debris.

3.4 RIGID  
INSULATION  
INSTALLATION

- .1 Imbed insulation boards into vapour barrier type adhesive, applied as specified, prior to skinning of adhesive.

3.5 CLEANING

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