Part 1 GENERAL

1.1 CONFORM TO GENERAL REQUIREMENTS, DIVISION 1.

1.2 CONFORM TO CAN/ULC-S702-1999.

1.3 RELATED WORK

1. Rough Carpentry - Section 06 10 00
2. Insulation for Mechanical Work – Sections 20 - 23
3. Gypsum Board Systems - Section 09 29 00
4. Vapour Barriers - Section 07 26 00
5. Metal Stud & Ceiling Suspension System - Section 09 22 00
6. Firestopping and Smoke Seals - Section 07 84 00

Part 2 PRODUCTS

2.1 ACCEPTABLE MATERIALS

1. Owens Corning Canada

2. Rockwool

3. Fibrex Insulations Inc.

4. Johns-Manville Canada Inc.

2.2 INSULATION

1. Batt and Blanket Insulation: mineral fibre processed from rock, slag, or glass, to CAN/ULC-S702, Type [1]. Thicknesses as shown on the drawings;

   .1 Thermal Batt Insulation, by Owens Corning Canada Inc.,
   .2 Fibrex SAFB,
   .3 Rockwool PLUS, or
   .4 Unfaced Steel Frame Insulation Batts by Johns-Manville.

2. Fire Blanket Insulation: mineral fibre processed from rock, slag, or glass, to CAN/ULC-S702, Type 1, non-combustible to CAN/ULC-S114, [thickness as shown on the drawings];

   .1 Sound Attenuation Batts/MW, by Owens Corning Canada Inc.,
   .2 Fibrex SAFB,
   .3 Rockwool AFB, or
   .4 Unfaced Steel Frame Insulation Batts by Johns-Manville.

3. Sound Attenuation Blanket Insulation: to CAN/ULC-S702, Type 1, [thickness as shown on the drawings];

   .1 Sound Attenuation Batt Insulation, by Owens Corning Canada Inc., or
   .2 Fibrex SAFB,

.3 Rockwool AFB, or
.4 Sound-SHEILD® Insulation Batts by Johns-Manville.

4. Ceiling Sound Attenuation Insulation: mineral fibre processed from rock, slag, or glass, to CAN/ULC-S702 Type 1, [thickness as shown on the drawings];

.1 Sonobatts® Insulation, by Owens Corning Canada Inc., or
.2 Fibrex SAFB,
.3 Rockwool AFB, or
.4 Sound-SHEILD® Insulation Batts by Johns-Manville.

2.3 ACCESSORIES

1. Insulation clips: impale type, perforated 50 x 50mm cold-rolled carbon steel 0.8mm thick, self-adhesive back, spindle of 2.5mm diameter annealed steel, length to suit insulation, 25mm diameter self-locking washers.

2. Tape: CCMC approved, Tuck 20502 Contractor's Sheathing Tape, by Canadian Technical Tape Ltd., Montreal PQ.

Part 3 EXECUTION

3.1 INSULATION INSTALLATION

1. Install insulation to maintain continuity of thermal protection to building elements and spaces. Insulation to be friction fit between studs, joists or furring members.

2. Retain insulation in position with insulation clips, installed as recommended by manufacturer. Insulation clips shall be spaced 400 mm vertically.

3. Fit insulation closely around electrical boxes, pipes, ducts, frames and other objects in or passing through insulation.

4. Do not compress insulation to fit into spaces.

5. Do not install insulation in any part of the building where protection against inclement weather has not yet been provided and where the insulation could thereby be wet or damaged.

6. Provide and install supports as required to keep insulation in place at soffits with floor above and around ducts in attic space.

7. Keep insulation a min. 3" (75 mm) from heat emitting devices such as recessed light fixtures.

3.2 LOOSE FIBRE INSULATION

1. Pack loose mineral wool insulation in crevices around lintels, frames, beams, around ducts at holes and other places where shown or required to minimize air infiltration.
2. Pack loose mineral wool into voids around mechanical and electrical pipes and ducts where they pass through non-fire rated wall, floors and ceilings.

3.3 FIRE RATED MINERAL WOOL INSULATION

1. Supply and install mineral wool at fire separations and where indicated on drawings.

2. Refer to Section 07 84 00 Firestopping and Smoke Seals for mineral wool work by that Section.

3.4 SOUND INSULATION

1. Fill all cavities full of mineral wool sound insulation where sound insulation is indicated on drawings.

2. Sound insulation above acoustic tile ceilings supplied and installed by Section 09 22 00 as per this Section.

3.5 BATT INSULATION

1. Install mineral wool batt insulation at exterior or air/vapour barrier walls, ceiling spaces, between floor joists at perimeter wall locations and all other locations shown on drawings.

2. Place batts in close contact with vapour barrier or air/vapour barrier facing the interior.

End of Section 07 21 16