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PART 1 – GENERAL

1.1 GENERAL

- .1 All drawings and all sections of the specifications shall apply to and form an integral part of this section.

1.2 WORK INCLUDED

- .1 Labour, material, plant, tools, equipment and services necessary and reasonably incidental to completion of external insulation for mechanical equipment and ductwork.

1.3 RELATED WORK

- .1 Mechanical General Provisions: Section 15010
- .2 Plumbing: Section 15430
- .3 Heating/Ventilation and
Air Conditioning: Section 15800

1.4 QUALITY ASSURANCE

- .1 All final pipe and duct installations including insulation, covering, and adhesive shall have a flame spread rating of not greater than 25 and maximum smoke developed rating of 50 in accordance with CAN4-S102. All canvas shall bear ULC label.
- .2 U.L.C. label or satisfactory certified report from approved testing laboratory is required to indicate that fire hazard ratings for material for use do not exceed those specified.
- .3 Flame proofing treatment subject to deterioration due to effects or high humidity are not acceptable.
- .4 Materials to be tested in accordance with ASTM C411.

PART 2 – PRODUCTS

2.1 DESCRIPTION

- .1 See Part 4 Insulation Schedule at end of this Division.

PART 3 – EXECUTION**3.1 WORKMANSHIP**

- .1 Do not apply coverings until hydro-static tests have been completed, surfaces to be covered are clean and dry. Insulation shall be clean and dry when installed and during application of any finish.
- .2 Apply insulation materials, accessories and finished in accordance with manufacturer's recommendations. (Joints to be on top).

PART 4 - SCHEDULES

TABLE 8 - DUCTWORK INSULATION

System	Type	Remarks
Ductwork – Supply Air (Make Up Air supply/return)	50 mm (2")	A, C
Ductwork – Supply Air (Make Up Air supply)	25 mm (1")	B, C

Remarks

- A -** Insulate new exterior ductwork completely, unless otherwise noted.
- B -** Insulate from outside wall back into warm side of building for a developed distance of 8 ft in all directions.
- C -** Insulating by Division 15800: acoustic lining.

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