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Note: The contents of this Section include the application and finishes of equipment insulation under Specification Code Numbers 1503 and CEF. These code numbers are cross-referenced in TIAC specification sections 15250 (23 07 00) Mechanical Insulation and 15280 (23 07 16) Equipment Insulation.

SECTION 7

COMMERCIAL EQUIPMENT

7.1 APPLICATION

A. HOT TANKS, BREECHINGS AND EQUIPMENT

Specification Code No.

1503-H

- Apply insulation block, board segments or pipe and tank insulation and secure firmly with mechanical fastenings, wire or banding. Insulation shall be fitted neatly to all contours without voids.

B. COLD TANKS AND EQUIPMENT

Specification Code No.

1503-C

- For this application use either insulation with an integral vapour retarder or field apply a vapour retarder treatment. Apply insulation block board segments or pipe and tank insulation and secure firmly with mechanical fasteners, wire or banding. All openings, joints and seams shall be sealed with self adhesive vapour retardant tape. Insulation shall be fitted neatly to all contours without voids.

Note 1: If chillers are not factory insulated, they shall be insulated in accordance to the manufacturer's specifications. See Denis Formula.

7.2 FINISHES

A. HOT TANKS, BREECHINGS AND EQUIPMENT

Specification Code No.

CEF/1 Indoor/Outdoor

- Over the insulation, apply aluminum jacket secured with stainless steel self-tapping screws or pop rivets with all joints caulked or flashed to prevent water infiltration.

CEF/2 Indoor

- Secure canvas using fire resistive lagging coating and finish with one (1) coat of fire resistive lagging coating. Alternatively, finish with a layer of PVC jacket with all joints and seams sealed.

CEF/3 Outdoor

- Apply a coat of weather coating to manufacturer's recommendations. While still wet, embed a layer of reinforcing membrane and finish with a coat of weather coating. (minimum 1 litre per 1.5m²)

Note 1: Irregular areas or small heads to be finished with or weather coating to suit application and shell finish.

B. COLD TANKS AND EQUIPMENT

Please refer to the specifications for HOT TANKS in Section 7.2.A