

- D. Extended warranty period of 5 years against corrosion of casing, walls, floor and roof panels.

#### 1.14 EXTRA MATERIALS

- A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  - 1. Filters: One set(s) for each air-handling unit.
  - 2. Fan Belts: One set(s) for each air-handling unit fan.

### PART 2 - PRODUCTS

#### 2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following;
  - 1. Haakon
  - 2. Ventrol
  - 3. Air Enterprises, Inc.
  - 4. MAFNA
  - 5. Buffalo

#### 2.2 UNIT CONSTRUCTION

- A. General Fabrication Requirements for Casings:
  - 1. Walls and roofs shall be constructed of galvanized steel. The inner liner shall be 22 gauge solid galvanized steel. Insulation shall be 2" thick 3 lb. density fiberglass with a neoprene liner to seal the insulation. All permanently joined flanged panel surfaces shall be sealed with an individual strip of 1/8" x 3/8" tape sealer. Wall and roof seams shall be turned inward to provide a clean flush exterior finish. All panel seams shall be sealed during assembly to produce an airtight unit.
  - 2. All segments shall be double wall, formed and reinforced to provide a rigid assembly. The exterior casing shall be constructed of a minimum G90-u galvanized steel. The interior lining shall be a solid lining of a minimum of 18 gage galvanized steel.
  - 3. Forming: Form walls, roofs, and floors with at least two breaks at each joint.
  - 4. Casing Joints: Sheet metal screws or pop rivets.
  - 5. Sealing: Seal all joints with water-resistant sealant.