

2.1 MANUFACTURERS

- A. Acceptable Manufacturers:
1. Buffalo Air Handling
 2. TMI Custom Air Systems.
 3. Mafna Air Conditioning, Inc.
 4. Air Flow Equipment.

2.2 GENERAL

- A. Provide factorytested, site erected, double-wall air handling units with components and equipment as scheduled and detailed on Drawings.
- B. The units shall be completed assembled at the factory and fully tested. Components shall be broken down to individual components and housing sections at the Manufacturer's factory such that each component and section of the unit housing is able to be delivered into the basement of the building through planned areaways or construction areaways. The supply fan module/section shall carry the Manufacturer's nameplate. Sections, after having framework completely installed on their base structures, shall be final assembled at factory into one-piece for testing and to ensure that sections will fit together properly when reassembled in the field.
- C. Provide units of height, width, and length indicated, and that comply with project weight and spatial limitations.
1. Weight, spatial, and dimensional limitations shall also apply to individual sections, including to facilitate unit rigging and installation.
- D. Provide a minimum of four lifting lugs per separately shipped section, of adequate strength to allow rigging without damage.
- E. Manufacturer shall supply gasketing, sealant, and installation instructions.
- F. Manufacturer shall provide touch-up paint(s) for use after field assembly.
- G. Touch up all galvanized surfaces damaged from welding or other fabrication operations with zinc rich paint, minimum 65 percent metallic zinc by weight.

2.3 COMPONENTS- GENERAL REQUIREMENTS

- A. Provide all components integral to the air handling unit including, but not limited to, the following. These components shall comply with Related Sections and any additional requirements of this Section.
1. Motors
 2. Vibration Isolation
 3. Coils and Drain Pans
 4. Fans and Accessories
 5. Air Filters
 6. Sheet Metal Accessories
 7. Dampers (as specified in Controls section – only provided as part of the unit for the enthalpy wheels)
 8. Energy Recovery Wheels/Heat Exchangers

2.4 MANUFACTURING

- A. Casings shall be manufactured only after panel components (structural members, facing sheets and insulation) have been thoroughly cleaned of mill grease, dirt and oxidation.