

- b. Energy Labs Incorporated.
 - c. Buffalo Air Handling.
 - d. Marlo, DRS Technologies.
 - e. Pace.
2. Cleanroom Recirculation Air Handling Units (Controls furnished by BAS Contractor and factory installed by AHU manufacturer)
- a. Hunt Air.
 - b. Engineered Air.
 - c. Other, pre-approved, subject to Owner and Engineer review.
3. Non-Lab Units
- a. Ventrol Air
 - b. Energy Labs Incorporated.
 - c. Mafna.
 - d. Carrier Corporation; a member of the United Technologies Corporation Family.
 - e. Trane; American Standard Inc.

2.2 UNIT CASINGS

A. General Fabrication Requirements for Casings:

1. Formed and reinforced wall panels, double wall, sectional, field assembled, fabricated to allow removal for access to internal parts and components, with joints between sections sealed. Outside Casing shall be solid 16-ga, Bright spangled G-90 galvanized steel, double die-formed panel secured with ¼-inch hex head, zinc plated fasteners.
 - a. 4-inch thick for lab and primary air units.
 - b. 2-inch thick for other units.
2. The inside liner shall be solid 20-ga, G-90 galvanized steel and incorporate a 5 degree bend on all exposed surfaces to eliminate any waving. Liner shall be secured with sheet metal screws to outside casing every 8-inches.
3. Humidifier section shall be 304SS.
4. Forming: Form walls, roofs, and floors with at least two breaks at each joint.
5. Casing Joints: Sheet metal screws or pop rivets.
6. Sealing: Seal all joints with water-resistant sealant.
7. Casings for chilled water coils and humidifiers shall be minimum 16 gauge 304SS with 1-1/2" die-formed flanges to permit easy stacking and mounting. Intermediate tube supports are supplied on coils over 44-inches fin lengths with additional supports every 42-inch multiples thereafter.
8. Factory Finish for Galvanized-Steel Casings: Immediately after cleaning and pretreating, apply manufacturer's standard two-coat, baked-on enamel finish, consisting of prime coat and thermosetting topcoat. Coating shall sustain salt spray testing of 1000 hours when tested in accordance with the ASTM B117 salt spray test.
9. Provide blank, double-wall, insulated spacer section at columns and where indicated, same construction and finish as AHU casing.

B. Casing Insulation and Adhesive:

1. Materials: ASTM C 1071, Type I.