



4995 Keller Haslet Road • Keller, Texas 76248 USA
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SECTION 07710 — ROOF SPECIALTIES

PART 1 — GENERAL

1.1 WORK INCLUDED

- A. Prefabricated Cupola s

1.2 REFERENCES

- A. American Society for Testing and Materials (ASTM)
 - 1. ASTM B370: Specification for copper sheet and strip for building construction
- B. Copper Development Association (CDA)
 - 1. CDA 110: General Requirements.
- C. Revere Copper Products Inc; Copper and Common Sense
- D. Sheet Metal and Air Conditioning Contractors National Association, Inc (SMACNA)
 - 1. Architectural Sheet Metal Manual

1.3 SUBMITTALS

- A. Submit the following in accordance with Section _____.
 - 1. Product Data: Manufacturers product literature
 - 2. Shop Drawings including elevations, plan view, sections, and details showing materials to be used, attachment methods, and flashing requirements.
 - 2. Samples of cladding material

1.4 QUALITY ASSURANCE

- A. Manufacturers Qualifications
 - 1. Ten years minimum experience in factory fabrication of Cupola s.
 - 2. Products listed in this section are as manufactured by Copper Craft, Inc.
 - 3. No other bidder of Cupola s will be accepted without prior written approval of Architect.
 - 3. Substitution requests shall be in accordance with section _____.

- B. Certification: Submit manufacturer s certification that materials and finishes meet the specification requirements.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Protect products and accessories from damage and discoloration during transit and at project site. Store sheets and components in dry storage area to prevent condensation.

1.6 WARRANTY:

- A. Provide manufactures standard workmanship warranty
- B. Provide applicable material finish warranties

PART 2 — PRODUCTS

2.1 MANUFACTURER:

- A. Copper Craft, Inc.
4995 Keller Haslet Rd
Keller, TX 76248
1-800-486-2723

2.2 MATERIALS:

- A. Sheet Metal
 - 1. Copper: 99.9% pure copper, CDA 110, ASTM Specification B370, cold rolled temper, weighing not less than 16 ounces per square foot.
 - 2. Lead Coated Copper: ASTM Specifications B101 (Type 1), Class A, and of weight and temper as hereinafter specified for specific locations, or as shown on drawings. Type 1 refers to lead coating applied by hot — dipping; Class A coating weighs 12 to 15 pounds per 100 square feet. The weight of lead coating is the total weight applied to two sides of 100 square feet of copper sheet with approximately one — half of the coating on each side.
 - 3. Prefinished Aluminum: Sheet aluminum to be minimum 0.032 aluminum alloy 3003- H14 lock forming quality (LFQ) ASTM B209. Finish to be Kynar 500.
 - 4. Electrolytic High Grade Zinc: 99.995 % of purity and alloying additives of copper and titanium, .027 min.
- B. Substrate
 - 1. Plywood: CDX exterior grade
 - 2. Gyp Sheathing: Type X paper surfaced ASTM C79/C 79M
 - 3. Underlayment: Miradri WIP 300 HT or approved equal

2.3 FABRICATION:

- A. Design and construct Cupola to fit roof deck or framing provided by contractor.
- B. Provide flashing compatible with roofing material.
- C. Isolate dissimilar metals using underlayment or bituminous paint.
- D. Provide louver blade depth and spacing as indicated on approved shop drawings.

- E. Provide bird screen or insect screen of compatible material.
- F. For window Cupola provide _ inch tempered glass unless noted otherwise on approved shop drawings.

2.4 FINISH:

- A. Copper: 99.9% Pure ASTM B370
- B. Aluminum: Kynar 500, Standard color to be selected by Architect

PART 3 — EXECUTION

3.1 EXAMINATION:

- A. Inspect structure to receive cupola to insure that curbs and framing members are of quality construction and capable of supporting Cupola.

3.2 INSTALLATION:

- A. Install Cupola per manufacturers approved shop drawings.
- B. Dissimilar metals
 - 1. Provide adequate separation of dissimilar materials where Cupola components come into contact with adjacent building materials.
- C. Field apply sealant to penetrations, transitions, and other locations necessary for waterproof installation.

3.3 CLEANING AND PROTECTION:

- A. Remove protective film and/or wrapping immediately after installation.
- B. Protect work as required to ensure Cupola will be without damage at time of final completion.

END OF SECTION