

Ceiling Clouds (CW) ACOUSTICAL TREATMENT

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Suspended Ceiling clouds.

1.2 RELATED SECTIONS

- A. Section 05310 - Steel Decking: Acoustical steel deck.
- B. Section 09111 - Non-Loadbearing Metal Framing: Ceiling suspension systems.
- C. Section 09260 - Gypsum Board Assemblies.
- D. Section 09511 - Suspended Acoustical Ceilings: Conventional grid-supported acoustic ceilings.
- E. Section 09512 - Adhesive Applied Acoustical Ceilings.
- F. Section 09900 - Paints and Coatings.

1.3 REFERENCES

- A. ASTM C 423 - Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method; 2000.
- B. ASTM E 84 - Standard Test Method for Surface Burning Characteristics of Building Materials; 2000a.

1.4 PERFORMANCE REQUIREMENTS

- A. Acoustical Absorption: Perform testing in accordance with ASTM C 423, Type A mounting method unless otherwise specified.
- B. Flame Spread Rating: Provide all components with Class A flame spread rating when tested in accordance with ASTM E 84, unless otherwise specified.

1.5 SUBMITTALS

- A. Submit under provisions of Section 01300.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
 1. Preparation instructions and recommendations.
 2. Storage and handling requirements and recommendations.
 3. Installation methods.
 4. Independent testing agency test reports

- C. Selection Samples: For each product specified, two complete sets of color samples representing manufacturer's full range of available colors and patterns.
- D. Verification Samples: For each product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Minimum 10 years of experience in producing acoustical products of the types specified herein.
- B. Installer Qualifications: Acceptable to the manufacturer of the acoustical products being installed.
- C. Dimensional Tolerances of Finished Units: Plus or minus 1/16 inch for the following:
 - 1. Thickness.
 - 2. Edge straightness.
 - 3. Overall length and width.
 - 4. Squareness from corner to corner.
 - 5. Chords, radii and diameters.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Protect acoustical products during shipment, storage, and handling.
- B. Store products in manufacturer's unopened packaging until ready for installation.
 - 1. Store materials flat
 - 2. Do not stand panels on end
 - 3. Protect edges from damage
- C. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.

1.8 PROJECT CONDITIONS

- A. Do not begin installation of acoustical products until building has been enclosed and environmental conditions approximate those that will prevail when building is occupied.
- B. Environmental Requirements: Do not install panels until wet work, such as concrete and plastering, is complete; the building is enclosed; and the temperature and relative humidity are stabilized at 60–80 degrees F (16 – 27 degrees C) and 40% to 50%, respectively.

1.9 EXTRA MATERIALS

- A. See Section 01600 - Product Requirements, for additional provisions.
- B. Provide 5 percent, but not less than 1 of each type of acoustical unit actually installed, for Owner's use in maintenance.

PART 2 PRODUCTS

2.1 MANUFACTURERS

- A. Acceptable Manufacturer: All Noise Control Tel: 561-964-9360 Fax: 1-800-363-1593.
Email: info@allnoisecontrol.com Website: www.allnoisecontrol.com
- B. Substitutions: Not permitted.
- C. Requests for substitutions will be considered in accordance with provisions of Section 01600.
- D. Provide all acoustical products specified herein by a single manufacturer.

2.2 CEILING PRODUCTS

- A. Ceiling Clouds: curved radius core of 6-7pcf (96 to 112kg/cu m) fiberglass, decorative suspended, ceiling mounted panels, with mounting hardware embedded in the back.
 - 1. Core Thickness: 1 inch (25.4 mm); NRC 1.25.
 - 2. Core Radius: 132"
 - 3. Size: up to 4' x 8'.
 - 4. Size: _____.
 - 5. Finish Material: Manufacturer's standard polyester fabric.
 - 6. Finish: Painted with latex paint.
 - 7. Finish Material: Custom fabric: _____
 - 8. Color: As selected from manufacturer's standards.
 - 9. Color: _____.
 - 10. Edges: Square.
 - 11. Corners: Square.
 - 12. Mounting: Multiple mounting points for wire or chain suspension.

2.3 ACCESSORIES

- A. Mounting: Chain/wire for mounting not included by manufacturer.

PART 3 EXECUTION

3.1 EXAMINATION

- A. Do not begin installation until substrates have been properly prepared.
- B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

- A. Install acoustical units in accordance with manufacturer's instructions.

3.4 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.

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