

**NOTE TO THE SPECIFYING ARCHITECT REGARDING SECTION 11068
SOUND REFLECTOR PANELS (CLOUDS OVER SEATING AREA)**

This specification assures a complete installation by the manufacturer including supporting hangers from the structural steel and including pipe battens that support the clouds.

Clouds specified are fabricated from aluminum. This choice eliminates concern for easily flammable wood years after the original installation.

Painted finish allows choice from any paint manufacturer's pallet.

Cloud panel arrangements can be adapted easily to specific requirements for air conditioning equipment, sprinkler pipes and house lighting requirements.

For layouts or information call 1-800-548-8982; no charge, of course.

SECTION 11068
SOUND REFLECTOR PANELS (CLOUDS OVER SEATING AREA)

PART 1: GENERAL

1.01 Related Document:

- A. The provisions of the General Conditions, Supplementary Conditions, and the Sections included under Division 1, General Requirements, are included as a part of this Section as though bound herein.

1.02 Scope:

- A. Provide a full system consisting of suspended sound reflector panels over the Auditorium Seating Area. Units shall be adjustable to proper positions to control and reflect a maximum range of audible frequencies.

1.03 Submittals:

- A. A set of detailed installation drawings shall be submitted for architect's approval prior to start of fabrication of equipment for this project. Dimensions shall be indicated on the submittal drawings and shall be coordinated with the physical equipment being provided in the electrical contract and in the heating-air conditioning-ventilating contract.

1.04 Warranty:

- A. The manufacturer shall warrant equipment to be free from defects in materials and workmanship, under normal use and service, for a period of one year from date of substantial completion.

PART 2: PRODUCTS

2.01 Sound Reflector Panels:

- A. Furnish and install rows of sound reflector panels as indicated in the contract drawings, and locate over the auditorium seating. Provide hardware, fittings and rigging necessary for a complete functioning installation. Reflectors shall be permanently installed in final position by this contractor. Shop drawings shall be fully dimensioned in plan and elevation. All tilt angles with respect to a horizontal plane shall be indicated on the drawings.

2.02 Manufacture:

- A. Subject to compliance with requirements, products of the following firms may be incorporated into the finished work: Janson Industries, Canton, Ohio (800 548 8982) or approved equal.

2.03 Fabrication:

- A. Panels shall consist of aluminum fabrication. Aluminum thickness of the reflecting surface shall be not less than .125 inches. Paint color for the exposed surfaces shall be as selected by the Architect. A prime coat and a finish coat shall be applied to all surfaces.
- B. Panels shall be aligned by through bolting continuous aluminum angles (3" x 2" x 1/4"). Angles shall be located near the edges of ceiling set panels and shall assure a continuous flat surface for the ceiling set. Bolted connections shall be by means of plated bolts painted to match the panel finish. Lock nuts and grade 5 bolts shall be used for all connections.
- C. Each row of panels shall be suspended from hangers with rust preventive finish. The hangers shall be connected to 1 1/2" schedule 40 pipe, located at the elevations required by the section drawing. These pipe battens shall be continuous for each row and shall be painted flat black. Chain hangers shall be located at approximately 8 feet centers. Chain hangers shall likewise be painted flat black. The tilt position shall be easily adjustable by means of screw pin shackles.

2.04 QUANTITIES AND SIZES:

- A. Provide quantities and sizes arranged in rows as shown in plan and section.
 - 1. Acoustic Reflector Panels:
 - A. Provide panels with solid reflecting surfaces in quantities indicated on the drawings.
 - 2. Acoustically Transparent Panels:
 - A. If required for proper sound reinforcement no more than 3 of the panels listed above shall be provided with cut outs over which grille cloth has been stretched and fastened. The grille cloth shall be Janson Industries or Mellotone, inherently flame resistant fabric, from the current line, and shall be painted in matching color to the ceiling panels

PART 3: EXECUTION:

3.01 Final:

- A. Installation shall be made in accordance with manufacturer's instructions. Responsibility for making holes through the panel if required for lighting fixtures or for mechanical equipment shall be the full responsibility of this contractor. The electrical contractor (or other mechanical contractor) shall provide the fixture flange and shall make the installation of the electric fixtures.
- B. Original installation shall be performed by the manufacturer of the panels. Locate and install in accordance with specification and with tilt angles adjusted to accord with approved shop drawings.

END OF SECTION

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