

SECTION 09 84 36

SOUND ABSORBING CEILING UNITS

(Acoustic Ceiling Grid by CSI Creative)

PART 1 - GENERAL

- SECTION INCLUDES
 - [CSI PRODUCT]
- REFERENCES
 - ASTM C 423 Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
 - ASTM E 84/CAN/ULC S102 Standard Test Method for Surface Burning Characteristics of Building Materials.
 - NFPA 701 (2010; Small Scale Test) Standard Methods of Fire Tests for Flame Resistant Textiles and Films.
 - NFPA 705 Recommended Practice for a Field Flame Test for Textiles and Films.
 - SIN 722-06 Flammability Requirements for Fire Retardant Trees and Plants.
 - Title 19 California State Fire Marshal minimum requirements for flame resistance products identified in Section 13115, California Health and Safety Code.
 - NF X 70-100 (1986, Tube Furnace Method) Fire Test for Analysis of Pyrolysis and Combustion Gasses. Evaluation of Toxic Fumes.
- SUBMITTALS
 - Product Data: Submit Data sheet or Manufacturer Documentation for each product showing dimensions, materials, and colors.
 - Shop Drawings: Submit shop drawings of site plans showing details of construction, product configuration, and related construction.
 - Verification Samples: Submit samples of each chosen material and color.
- QUALITY ASSURANCE

- Single-Source Responsibility: Provide acoustical components and installation components by a single manufacturer.
- Coordination of Work: Coordinate acoustical component work with installers of related work including, but not limited to light fixtures, mechanical systems, electrical systems, and sprinklers.
- DELIVERY, STORAGE, AND HANDLING
 - Deliver acoustical components to project site in original, unopened packages and store them in a fully enclosed space where they will be protected against damage from moisture, direct sunlight, surface contamination, and other causes.
 - Before installing, allow acoustic components to gradually reach room temperature and a stabilized moisture content.
 - Handle acoustic components carefully to avoid damage.
- PROJECT CONDITIONS
 - Space Enclosure:
 - Acoustical Components: All wet work must be complete and dry prior to installation. Installation shall be carried out where the temperature is between 60 degrees F and 100 degrees F. These temperature conditions must be maintained for optimal component lifespan.
- WARRANTY
 - Acoustic Room Component: Submit a written manufacturer warranty, agreeing to repair or replace acoustical components that fail within the warranty period. Failures include, but are not limited to:
 - Acoustical Room Component: Manufacturer's defects
 - Warranty Period:
 - Acoustical Room Component: Refer to manufacturer's standard warranty.

PART 2 - PRODUCTS

- MANUFACTURER
 - Accepted Manufacturer: CSI Creative
 - Location: 9901 W 74th St, Eden Prairie, MN 55344
 - Phone: 800-213-0653

- Email: info@csicreative.com
- Web Address: www.csicreative.com
- Relationship Manager: [Name of RM]
[phone #]
[email]

- Substitutions: No substitutions permitted.
- SOUND ABSORBING CEILING GRID
 - Basis-of-Design:
 - Folded Grid 001 by CSI Creative www.csicreative.com
 - Materials
 - Soundcore® 100 percent recyclable 12mm PET, 60 percent recycled content.
 - Contains no formaldehyde, chemical irritants, or harmful substances.
 - VOC info: VOC Free, Berkeley Analytical Certificate ID 190313-01
 - Panel Thickness: [12-48mm]
 - Panel Size: 2' x 2' Tile
 - PET Felt Color: SND794 Warm Teak
 - Attachment Method: [Magnetic Attachment] [Drop-In Attachment]
 - Properties:
 - Acoustic Performance: NRC (ASTM C423): 0.45 - 1.55 varies by design.
 - Burning Characteristics: ASTM E-84 Class A

PART 3 - EXECUTION

- EXAMINATION

- Proceed with installation only when all wet work is completed, and unsatisfactory site conditions have been corrected.
- INSTALLATION
 - Clean substrates and attachment points of dirt, oils, and other substances that could cause issues during installation.
 - Install units in accordance with manufacturer's instructions and approved submittals.
- ADJUSTING AND CLEANING
 - Replace damaged or broken components.
 - Adjust units for proper position, uniform appearance and operation.
 - Clean exposed and semi-exposed surfaces using materials acceptable to the manufacturer.
 - Maintenance of components should consist of:
 - Blot spills from material quickly. Wipe with a damp cloth. If stain persists, apply small quantities of carpet or upholstery shampoo solution with a damp cloth (test on inconspicuous location first). Blot well with a clean cloth after each application. Avoid excessive amounts of water. Ensure adequate ventilation if the product is subject to excessive moisture.
- WASTE MANAGEMENT
 - Waste Management
 - Coordinate recycling of waste materials with Section [01 74 19 - Construction Waste Management and Disposal].
 - Collect recyclable waste and dispose of or recycle field generated construction waste created during demolition, construction or final cleaning.
 - Remove recycling containers and bins from site.
- PROTECTION
 - Protect finished installation from dust and damage from subsequent and ongoing construction activity.

END OF SECTION