

THIS SECTION IS BASED ON ROCKFON'S "TRADITIONS™" METAL CEILING PANELS.

Rockfon Traditions™ Metal Ceiling Panels are meant for interior applications, specifications as shown here pertain to interior applications only.

GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes: Provide suspended ceiling acoustical ceiling panels including but not limited to:
 - 1. Metal Panel Ceiling System.
- B. Related Sections:
 - 1. Section 09 52 23, Metal Acoustical Ceiling Suspension Assemblies.
 - 2. Section 09 54 00, Specialty Ceilings.
 - 3. Section 09 58 00, Integrated Ceiling Assemblies.
 - 4. Section 01 81 13, Sustainable Design Requirements
 - 5. Section 01 81 19, Indoor Air Quality Requirements
 - 6. Section 13 48 00, Sound, Vibration, and Seismic Control.
 - 7. Section 26 50 00, Lighting.

1.3 REFERENCES

- A. Abbreviations and Acronyms:
 - 1. ASTM: American Society for Testing and Materials
 - 2. CISCA: Ceilings & Interior Systems Construction Association; www.cisca.org.
 - 3. IBC: International Building Code
 - 4. ASCE 7 American Society of Civil Engineers, Minimum Design Loads for Buildings and Other Structures
 - 5. ICCES: International Code Council-Evaluation Services - AC 156 Acceptance Criteria for Seismic Qualification Testing of Non-structural Components
 - 6. ICCES: International Code Council-Evaluation Services Report - ESR 2631 Rockfon Chicago Metallic Corporation Suspended Ceiling Framing Systems and Suspension Ceiling Systems
 - 7. California Department of Public Health CDPH/EHLB Emission Standard Method Version 1.1 2010
 - 8. LEED - Leadership in Energy and Environmental Design is a set of rating systems for the design, construction, operation, and maintenance of green buildings
 - 9. International Well Building Standard
 - 10. Mindful Materials
 - 11. Living Building Challenge

B. Reference Standards:

1. ASTM A1008 - Standard Specification for Steel, Sheet, Cold Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability
2. ASTM A641 - Standard Specification for Zinc-Coated (Galvanized) Carbon Steel Wire
3. ASTM A653 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) by the Hot-Dip Process
4. ASTM C635/C635M - Standard Specification for Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings
5. ASTM C636/C636M - Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels
6. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials
7. ASTM E580 - Installation of Metal Suspension Systems in Areas Requiring Moderate Seismic Restraint
8. ASTM E1264 - Classification for Acoustical Ceiling Products

C. Alternates

1. Prior Approval: Unless otherwise provided for in the Contract documents, proposed product substitutions may be submitted no later than TEN (10) working days prior to the date established for receipt of bids. Acceptability of a proposed substitution is contingent upon the Architect's review of the proposal for acceptability and approved products will be set forth by the Addenda. If included in a Bid are substitute products that have not been approved by Addenda, the specified products shall be provided without additional compensation.
2. Submittals that do not provide adequate data for the product evaluation will not be considered. The proposed substitution must meet all requirements of this section, including but not necessarily limited to, the following: Single source materials suppliers (if specified in Section 1.5); Underwriters' Laboratories Classified Acoustical performance; Panel design, size, composition, color, and finish; Suspension system component profiles and sizes; Compliance with the referenced standards.

1.4 SUBMITTALS

- A. Product Data: Submit manufacturer's Product data, including suspension system and maintenance data.
- B. Samples: Submit samples of specified ceiling panels.

1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Supply additional material (full-size ceiling panels) equal to [] of ceiling area. Additional material should match Products installed and have the appropriate labels and identification.
- B. Supply extra materials that match Products installed and are packaged with protective covering for storage and identified with labels describing contents.

1.6 QUALITY ASSURANCE

- A. Coordination of Work: Coordination between installers and other related professions in reference to acoustical ceiling work can include electrical fixtures and systems, fire safety systems, gypsum and building construction.

1.7 DELIVERY, STORAGE, AND HANDLING

- A. Protect system components from excessive moisture in shipment, storage, and handling. Deliver in unopened bundles and store in a dry place with adequate air circulation.

1.8 WARRANTY

- A. Manufacturer Warranty: Submit a written warranty executed by manufacturer for a period of 1 year from date for metal ceilings, of Substantial Completion, agreeing to repair or replace suspension system components that fail or are compromised within the specified warranty period. Failed or compromised parts can include, but are not limited to:
 - 1. Rusting or defects directly made by the manufacturer.
 - 2. Sagging or warping directly made by the manufacturers

PART 2 - PRODUCTS

2.01 Manufacturer

- A. Metal Ceiling Systems:
 - 1. Rockfon, 4849 South Austin Avenue, Chicago, IL 60638. 1-800-323-7164; www.rockfon.com.
- B. Suspension Systems:
 - 1. Rockfon, 4849 South Austin Avenue, Chicago, IL 60638. 1-800-323-7164; www.rockfon.com.
- C. Aluminum Perimeter Trim:
 - 1. Rockfon, 4849 South Austin Avenue, Chicago, IL 60638. 1-800-323-7164; www.rockfon.com.

2.1 MATERIALS

- A. Acoustical Metal Panels: Panel Metal Ceiling System, "TRADITIONS™" METAL CEILING PANELS" by Rockfon with following characteristics:
 - 1. Surface: Smooth
 - 2. Composition: Metal
 - 3. Material: 0.010" Steel
 - 4. Color:
 - 5. Fire Class: Class A
 - 6. Recycled Content: up to 25%
- B. Panels and Accessories:
 - 1. Panels:
 - a. Manufactured from [(0.010 inch thick tin-free steel) nominal (2x2) (2x4) with (flat lay-in) (nail-up) edge detail]
 - b. Coated with (baked-on polyester enamel paint) finish or chromium treated for field painting.
 - 2. Wall Angle:
 - a. Manufactured from (0.020 inch thick steel) 3/4 inches wide by 15/16 inches high by 144 inches long with both edges hemmed.
 - b. Coated with (baked on enamel paint) reflective] finish.

3. Cornices:
 - a. Manufactured from (0.010 inch thick steel) with (2)(2-1/2)(3-1/2)(4)(5)(7-1/2) inch projection by 48 inches long.
 - b. Coated identical to stamped panels.
 4. Conehead nails:
 - a. Manufactured with (bare steel) finish.
 5. Girder Nosing:
 - a. Manufactured from (0.010 inch thick steel) with 1-1/2 inch projection by 48 inches long coated with (baked on polyester enamel paint) finish.
- C. Suspension System
1. Main Runner:
 - a. Manufactured from (0.015) (.020) inch thick steel 15/16 inch wide by 1-1/2 inches high by 144 inches long, with factory punched cross tee slots, hanger holes and integral bayonet-style couplings.
 - b. Capped and coated with (baked on enamel paint) finish.
 2. Cross Tee:
 - a. Manufactured from 0.015 inch thick steel 15/16 inch wide by 1-1/2 inches high by (24)(48) inches long with factory punched cross tee slots, hanger holes, and staked-on stab-in end couplings.
 - b. Capped and coated identical to main runners.

EXECUTION

2.2 EXAMINATION

- A. Examine suspension assemblies, with installer present, for compliance with requirements specified in this and other Sections affecting ceiling panel installation and with requirements for installation tolerances and other conditions affecting performance of acoustic ceiling assemblies.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

2.3 INSTALLATION

- A. Install ceiling panels to comply with ASTM C636/C636M, ASTM E580, and seismic design requirements indicated, according to manufacturer's written instructions and CISCA's "Ceiling Systems Handbook."
- B. Lay-In Panels:
 1. Supported by an appropriately installed Chicago Metallic™ ceiling grid system, with 15/16" face dimension, as manufactured by Rockfon.
 2. Install backing material, e.g., acoustical board, gypsum board, insulation pads, etc., on the plenum side of the panels.
 3. Attach two hold down clips along each side of the panel.
- C. Nail-Up Panels: Supported by an appropriately installed furring system per detailed instructions provided by Rockfon.
- D. Cornices: Installed in accordance with detailed instructions provided by Rockfon.

2.4 REPAIR

- A. Remove damaged or compromised components; replace with undamaged components.

2.5 CLEANING

- A. Clean exposed surfaces in accordance with manufacturer's written instructions.

END OF SECTION