THIS SECTION IS BASED ON ROCKFON'S "INFINITY™" EXTRUDED ALUMINUM PERIMETER TRIM PRODUCTS.

Though Rockfon Infinity™" Extruded Aluminum Metal Perimeter Trims are meant for interior and exterior applications, specifications as shown here pertain to interior applications only.

Contact Rockfon for guidelines specifically applicable to exterior use of Rockfon Infinity™ Extruded Aluminum Metal Perimeter Trim products.

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 materials including but not limited to:

1. Metal Perimeter Trim.

B. Related Sections:

1. Section 09 22 26 Suspension Systems
2. Section 09 21 16, Gypsum Board Ceilings.
3. Section 09 51 33.13, Acoustical Snap In Metal Pan Ceiling
4. Section 09 52 23, Metal Acoustical Ceiling Suspension Assemblies.
5. Section 09 54 00, Specialty Ceilings.
6. Section 09 58 00, Integrated Ceiling Assemblies.
7. Section 13 48 00, Sound, Vibration, and Seismic Control.
8. Section 23 50 00, Central Heating Equipment.
9. 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 C635/C635M	Standard Specification for Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings
2.	ASTM C636/C636M	Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels
3.	ASTM B221-20	Standard Specification for Aluminum and Aluminum Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes
4.	ASTM E84	Standard Test Method for Surface Burning characteristics of Building Materials
4	ASTM E580	Standard Practice for Installation of Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels in Areas Subject to Earthquake Ground Motions
5	ASTM E1264	Standard Classification for Acoustical Ceiling Products
6	ASTM E1477	Standard Test Method for Luminous Reflectance Factor of Acoustical Materials by Use Of Integrating-Sphere Reflectometers

1.4 ADMINISTRATIVE REQUIREMENTS

A. Pre-Installation Meetings: Conduct meeting at Project site. Agenda includes Project conditions, coordination with work of other trades and layout of items which penetrate ceilings.

1.5 SUBMITTALS

A. Product Data: Submit manufacturer’s Product data, including suspension system and maintenance data.

B. Samples: Submit samples of specified ceiling perimeter trim.

C. Show Drawings: Necessary technical drawings and documents that pertain to the layout of the acoustical ceiling areas and specified ceiling perimeter trim, including trim locations, radii, and part numbers.

D. Approval drawings indicating ceiling layout and manufacturers details submitted and approved prior to the manufacture of the components.

1.6 MAINTENANCE MATERIAL SUBMITTALS

A. Supply additional material equal to [%] of ceiling area. Additional material should match Products installed and have the appropriate labels and identification.

1.7 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.

1.8 DELIVERY, STORAGE, AND HANDLING

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.

PART 2 - PRODUCTS

2.01 Manufacturer

A. Aluminum Perimeter Trim:
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.

2.02 MATERIALS

A. Acoustical Metal Trim: Metal Perimeter Trim, “INFINITY™” EXTRUDED ALUMINUM PERIMETER TRIM” by Rockfon with following characteristics:

1. Surface: Smooth
2. Composition: Metal
3. Material: 6063-T5 aluminum
4. Profile:
5. Color:
6. Fire Class: Class A.
7. Light Reflectance:
8. Recycled Content: 85%

B. Panels and Accessories:
1. Perimeter Trim:
   a. Manufactured from extruded 6063-T5 aluminum complete with continuous integral slots for attachment of splice plates and grid clips.

2.03 PROFILES

a. **Rockfon Infinity** profile perimeter trim for T-bar type grid acoustical ceilings (2)(4)(6)(8)(10)(12) inch high with ¾ inch horizontal face. Panels to be (straight)(and)(curved) as indicated on approved drawings. (All corners to be factory mitered) 90 degree corner kits are allowed in place of mitered corners on straight sections). Finish to be factory applied painted finish (on outside surface) (360 degrees) (01 White) (other color _____).

b. **Rockfon Infinity Z** Razor profile for T-bar type grid acoustical ceilings, 6" wide horizontal face by 1-5/8 inch high. Panels to be straight as indicated on approved drawings. All corners to be factory mitered maximum 45 degrees. Finish to be factory applied paint on outside surface (01 White) (other color____).

c. **Rockfon Infinity R Reveal** profile perimeter trim for T-bar type grid acoustical ceilings 4" inch high with ¾" wide horizontal face and ½" wide x ¾" deep continuous open reveal. Panels to be straight as indicated on approved drawings. All corners to be factory mitered. Finish to be factory applied paint (on outside surface) (360°) (01 White) (other color _____).

d. **Rockfon Infinity CDX/SCD** profile perimeter trim for T-bar type grid acoustical ceilings (6") inch high with ¾" horizontal face. Panels to be straight, as indicated on approved drawings. (All corners to be factory mitered). Finish to be factory applied painted finish (on outside surface) (360 degrees) (01 White) (other)

e. **Rockfon Infinity CDX Razor profile** for T-bar type grid acoustical ceilings, 6" wide horizontal face by 1-5/8 inch high. Panels to be straight as indicated on approved drawings. All corners to be factory mitered maximum 45 degrees. Finish to be factory applied paint on outside surface (01 White) (other color____).

2. Splice Plate:
   Manufactured from galvanized steel with set screw for splicing sections of perimeter trim.
3. Grid Clips:
   Manufactured from galvanized steel with set screw for attaching perimeter trim to suspension system members.
4. Paired Bracket:
   Manufactured from electro-galvanized steel and used for back-to-back Infinity installations. Size bracket to maintain panel vertical surfaces (2-1/4 inch apart with 3/4 inch opening at bottom) (2-7/8 inch apart with 1-3/8 inch opening at bottom) (____ inches apart).

PART 3 - EXECUTION

3.01 EXAMINATION

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.

3.02 PREPARATION

a) Verify actual field dimensions prior to installation.

b) Verify adequate support for Infinity Perimeter Trim prior to installation.

3.03 INSTALLATION

Install ceiling perimeter trim 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.

Infinity Perimeter Trim:

a) Install after completion of above ceiling work.
b) Install ceiling suspension system as specified and in accordance with ASTM C636.
c) Install Infinity perimeter trim in accordance with manufacturers printed instructions and details and approved shop drawings.
d) Infinity perimeter trim to be supported by ceiling grid suspension system.
e) Attach splice plates and tighten set screws to join perimeter trim.
f) Attach trim to main tees and/or cross tees with grid clips. Field measure and cut tees to length. Attach grid clips to perimeter trim by inserting into grooves and firmly tighten set screw. Attach grid clips to main tees and cross tees with sheet metal fasteners (by contractor).

3.04 FIELD QUALITY CONTROL

Maximum defection not to exceed 1/360 of the span.

3.05 REPAIR

Remove damaged or compromised components; replace with undamaged components.

3.06 CLEANING

Clean exposed surfaces in accordance with manufacturer’s written instructions.

END OF SECTION