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Infinity™ Perimeter Trim

QuickShip, Engineered, R, D, RD, Z, ZD and Paired

PART 1 - GENERAL

1.01 Scope

Provide metal suspension trim for ceiling island or fascia.

1.02 Related Sections

- A. Section 09 22 26 - Suspension Systems
- B. Section 09 29 00 - Gypsum Board
- C. Section 09 54 00 - Specialty Ceilings
- D. Section 09 58 00 - Integrated Ceiling Assemblies
- E. Section 13 48 00 - Sound, Vibration, and Seismic Control
- F. Section 23 50 00 - Central Heating Equipment
- G. Section 26 50 00 - Lighting

1.03 References

- A. American Society for Testing and Materials (ASTM)
 - 1. C423 - Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.
 - 2. C635 - Standard Specification for the manufacture, performance, and testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.
 - 3. C636 - Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-in Panels.
 - 4. E 84 - Test Method for Surface Burning Characteristics of Building Materials.
 - 5. E 1264 - Classification for Acoustical Ceiling Products.
 - 6. E 1477 - Standard Test Method for Luminous Reflectance Factor of Acoustical Materials by Use of Integrating-Sphere Reflectometers.

1.04 Submittals

- A. Product data sheets listing dimensions and standard compliance.
- B. Samples: Representative sample of color and finish of all exposed materials.
- C. Shop Drawings: Reflected ceiling plans to indicate trim locations, radii, and part numbers.
- D. Approval drawings indicating ceiling layout and manufacturers details submitted and approved prior to manufacture of components.

1.05 Project Conditions

- A. Environmental Requirements:
 - 1. Verify weather tightness of area to receive suspension system prior to installation.
 - 2. Installation to begin only when temperature and humidity conditions closely approximate interior con-

ditions which will exist when area is complete and occupied.

- 3. Heating and air conditioning systems to be operating prior to, during, and after installation.
- 4. Deliver materials in manufacturers original packaging, unopened and undamaged.
- 5. Store materials in an enclosed dry location at room temperature and protect from soiling, damage, moisture and humidity.

1.06 Maintenance

Furnish additional material equal to _____ percent of ceiling area.

PART 2 - PRODUCTS

2.01 Manufacturers

Infinity perimeter trim by Chicago Metallic, 4849 South Austin Ave, Chicago IL 60638. 1-800-323-7164.

2.02 Materials

A. Panels:

- 1. Manufactured from extruded 6063-T5 aluminum complete with continuous integral slots for attachment of splice plates and grid clips.

B. Profile:

- 1. Infinity profile perimeter trim for T-bar type grid acoustical ceilings (2)(4)(6)(8)(10)(12) inch high with 3/4 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 _____).
- 2. Infinity D profile for 5/8 inch drywall ceilings, (2)(4)(6)(8) inch high with 1 inch horizontal face taping flange grooved to accept joint compound. Panels to be (straight)(and)(curved) as indicated on approved drawings. Outer surface to be primed for adhesion of joint compound and field applied paint finish. Field applied paint color to be (_____).
- 3. Infinity R Reveal profile perimeter trim for T-bar type grid acoustical ceilings (4)(6) inch high with 3/4 inch wide horizontal face and 1/2 inch wide x 3/4 inch 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 _____).

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4. Infinity RD Reveal profile for 5/8 inch drywall ceilings, (4)(6) inch high with 1 inch wide horizontal face taping flange grooved to accept joint compound and 1/2 inch wide by 3/4 inch deep continuous open reveal. Panels to be straight as indicated on approved drawings. Outer surface to be primed for adhesion of joint compound and field applied paint finish. Field applied paint color to be (_____).
 5. Infinity Z Razor profile for T-bar type grid acoustical ceilings, 6 inch 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_____).
 6. Infinity ZD Razor profile for 5/8 inch drywall ceilings, 6 inch wide horizontal face with 1 inch grooved taping flange to accept joint compound by 1-5/8 inch high. Panels to be straight as indicated on approved drawings. All corners to be factory mitered. Outer surface to be primed for adhesion of joint compound and field applied paint finish. Field applied paint color to be (_____).
- C. Splice Plate:
1. Manufactured from galvanized steel with set screw for splicing sections of perimeter trim.
- D. Grid Clips:
1. Manufactured from galvanized steel with set screw for attaching perimeter trim to suspension system members.
- E. Paired Bracket:
1. 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 area receiving system to identify conditions which will adversely affect installation. Do not begin installation until adverse conditions have been remedied.

3.02 Preparation

- A. Verify actual field dimensions prior to installation.
- B. Verify adequate support for Infinity Perimeter Trim prior to installation.
- C. Infinity for drywall sections to be cleaned on site prior to field painting.

3.03 Installation

- A. Infinity Perimeter Trim:
 1. Install after completion of above ceiling work.
 2. Install ceiling suspension system as specified and in accordance with ASTM C636.
 3. Install Infinity perimeter trim in accordance with manufacturers printed instructions and details and approved shop drawings.
 4. Infinity perimeter trim to be supported by ceiling grid suspension system.
 5. Attach splice plates and tighten set screws to join perimeter trim.
 6. 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).
 7. Field paint Infinity for drywall sections after drywall, taping, joint compound and sanding is complete.

3.04 Field Quality Control

- A. Maximum deflection not to exceed 1/360 of the span.



Chicago Metallic®

Ceiling Systems and Specialty Products - USA and Canada: 800.323.7164 / Fax: 800.222.3744 / chicagometallic.com

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