

RP CX METAL Stab-in Ceiling Grid

CX Grid System provides the preferred features and benefits all contractors want in their grid systems...

- CX Grid *features* High Tensile Staked-on Cross Tee End Tabs
- CX Grid *features* 15/16" Wide Components
- CX Grid *features* Double Web Hot Dipped Galvanized Steel
- CX Grid *features* Hot Dipped Galvanized Steel Capping
- CX Grid *features* Painted Aluminum Capping
- CX Grid *features* 12' and 8' Long Main Runners
- CX Grid *features* Intermediate Duty and Heavy-Duty Mains
- CX Grid *features* Fire Rated as tested per ASTM E 119
- CX Grid *features* Cross Tees available in 2' or 4' Lengths
- CX Grid *features* Stepped End Cross Tees

RP CX Metal Stab Ceiling System

Product Data

Material: Minimum G40 Hot Dipped Galvanized Steel

Surface Finish: Baked Polyester Paint over Hot Dipped Galvanized Steel or Alumiaium

Profile: Double Web Exposed Tee

Face Dimensions: 15/16" and

End Detail: High tensile staked-on stab

ASTM Classification: Heavy Duty and Intermediate Duty in accordance with
ASTM C 635 (Standard Specification for the Manufacture,
Performance, and Testing of Metal Suspension Systems for
Acoustical Tile and Lay-in Panel Ceilings).

Fire Performance as tested in accordance with ASTM E-119
(Standard Test Methods for Fire Tests of Building Construction
and Materials).

Seismic Zone: Zones 0 - 4

Seismic Performance: Compression/Tension - Exceeds 180 lbs. to pull out both
main runners and cross tees. In accordance with ASTM E 580
(Standard Practice for Application of Ceiling Suspension
Systems for Acoustical Tile and Lay-in Panels in Areas
Requiring Seismic Restraint).

Installation: Recommended to install in accordance with ASTM C 636 (Standard
Practice for Installation of ;Metal Ceiling Suspension Systems for
Acoustical Tile and Lay-in Panels).

Specification Guidelines

Revised 12-21-02

RP CX Metal Stab Ceiling System

Section 09500 - Acoustical Treatment

PART 1 - GENERAL

1.01 Section Includes

Provide metal suspension system for lay-in acoustical panel ceiling.

1.02 Related Sections

- A. Section 09120 - Ceiling Suspension Systems
- B. Section 09545 - Special Ceiling Surfaces
- C. Section 13020 - Integrated Ceilings
- D. Section 13080 - Sound, Vibration, and Seismic Control
- E. Section 15500 - Heating, Ventilating, and Air Conditioning
- F. Section 16500 - Lighting

1.03 References.

A. American Society for Testing and Materials (ASTM)

1. C635 - Standard Specification for the Manufacture, Performance, and Testing of Metal Suspension Systems for Acoustical Tile and Lay-in Panel Ceilings.
2. C636 - Standard practice for installation of Metal -Ceiling Suspension Systems- for Acoustical Tile and Lay-in Panels.

1.04 Submittals

- A. Product Data Sheets

PART 2 - PRODUCTS

2.01 Manufacturers

Acoustic Ceiling Products (Standard Fire Rated 15/16") (Intermediate) Duty Double Web Stab Ceiling Suspension System.

2.02 Suspension System Components

A. Main Runners:

1. Manufactured from (0.015) (0.020) inch thick steel (15/16 inch wide) by 1',/z inches high by (96) (144) inches long with factory punched cross tee slots, hanger holes, and integral bayonet-style end couplings.
2. Components are fabricated from commercial quality hot dipped galvanized steel.
3. Capped with prefinished (hot dipped galvanized steel) (aluminum) affixed to (15/16 inch wide) flange

B. Cross Tees:

1. Manufactured from 0.0135 inch thick steel (15/16 inch wide) by (1 1/2).(1.1/8) inches high by (24) (48) (96) inches long with factory punched cross tee slots and hanger holes with stepped ends. V -
2. Components are fabricated from commercial quality, hot dipped galvanized steel and capped identical to main runner,
3. Manufactured with factory attached high tensile integral couplings on component ends.

C. Perimeter Treatment Components

1. Angle Moldings: Manufactured from (0.020) (0.024) inch thick hot dipped galvanized steel (3/4) (15/16) (2) inch wide by 15/16 inch high by.(144) (96) inches long with (hemmed) (straight) edges Finished identical to main runners and cross tees.
2. Shadow Line Moldings: Manufactured from 0.020 inch thick steel with 1/8 inch by 15/16 inch flanges, with 1/2 inch by 1/4 inch recess, and hemmed edges. Finished identical to main runner and cross tees.

PART 3 - EXECUTION

3.01 Examination

Examine area receiving suspension system to identify conditions, which will adversely affect installation. Do not begin installation until adverse conditions have been remedied.

3.02 Installation

- A. Main Runners: Installed (36) (48) (60) (72) (96) inches on center, by direct suspension from existing structure, with not less than 12 gage steel hanger wires spaced (48) (60) inches on center along main runner length. Wrap hanger wires tightly 3 full turns at each end.
- B. Cross Tees:
1. Installed perpendicular to main runners (12) (24) (36) (48) (60) (72) (96) inches on center to form _____ by _____ modules.
 2. Installed perpendicular to module forming cross _____ s tees to form _____ by _____ modules.
 3. Installed adjacent to each unsupported side of recessed fixtures.
- C. (Angle) (Shadow Line) moldings: Installed on vertical surfaces, intersecting suspension components, by appropriate method in accordance with industry accepted practice.
- D. Additional Hanger Wires: Wrapped tightly 3 full turns to structure and component at locations where imposed loads could cause deflection exceeding 1/360 span.

