

## **Styline 3700 & Styline Plus 3800 Systems**

### **MR-MANUFACTURER**

#### **Chicago Metallic**

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Chicago Metallic is an industry leader in roll forming suspension systems for acoustical ceilings and Decorative Metal ceiling products for Commercial, Institutional, and Industrial Building Markets. With manufacturing plants in Chicago, Illinois; Baltimore, Maryland; Los Angeles, California; and Antwerp Belgium, Chicago Metallic has the capacity to provide an extensive line of quality products worldwide.

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### **PP-PRODUCT PRESENTATION**

Classic lines, contemporary styling and color describe the Styline 3700 Ceiling System. The slender 9/16" face with a slight 3/16" center regress exceeds any narrow, recessed profile in its versatility. Its seamless, capped face makes Styline 3700 economically available in a wide variety of paint coated finishes. It is now possible to color coordinate grid and tile. A designer can mix and match colors and finishes with the same flexibility and economies as standard 15/16" exposed grid.

The Styline 3700 is unique not only in its narrow, regress profile and color selection, but also its use with both 5/8" and 3/4" lay-in ceiling panels with square cut edges. These lay-in panels create the same flush, monolithic ceiling plane that similar systems achieve only with special reveal edge tiles.

In its simplicity of design, the need for accessories is minimal. The Styline 3700 accepts both standard lay-in light fixtures and air handling equipment. There is also no need for light fixture frames or special support clips. Partitions install easily by direct attachment to the center regress.

With popular stab-in end detailing, the Styline 3700 offers inherent labor savings over other narrow, regress systems, while providing resistance to seismic lateral pullout. Speedy, conventional installation is the Styline 3700 System advantage.

The Styline 3700 System is available in a wide range of trend setting colors to supplement specification options. An aluminum cap is also available for added corrosion resistance.

A variation of a classic line, the Styline Plus 3800 builds on the 3700 System characteristics adding its own unique features. The 3/16" center regress remains while the "plus" is a wider flange for a total 3/4" face profile. Increasing the flange width increases support for light fixtures and air handling equipment.

The wider flange of 3800 Plus allows for less critical tolerances in ceiling board and light fixtures, and compensates for chipped acoustical board edges. For narrow faced grid, the extra 3/16" makes this a rigid system easily kept square. Styline Plus 3800 is available in white with a white regress.

## **TS-TECHNICAL SUPPORT**

### **Specification Guidelines for Styline 3700 and Styline Plus 3800 Systems**

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 Specifications 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 listing dimensions, load carrying capacity and standard compliance.
- B. Samples: 12 inch long samples of main runner and cross tee with couplings.

##### 1.05 Project Conditions

- A. Environmental Requirements:
  - 1. Verify weathertightness of area to receive suspension system prior to installation.
  - 2. Wet trades work to be thoroughly dry and complete prior to suspension system installation.
  - 3. Installation to begin only when temperature and humidity conditions closely approximate interior conditions which will exist when area is complete and occupied.
  - 4. Heating and air conditioning systems to be operating prior to, during, and after installation.

##### 1.06 Maintenance

Furnish additional material equal to \_\_\_\_\_ percent of ceiling area.

#### **PART 2 - PRODUCTS**

##### 2.01 Manufacturer(s)

Chicago Metallic Styline (3700) (3800) intermediate duty double web suspension system.

##### 2.02 Suspension System Components

- A. Main Runners:
  - 1. Manufactured from (0.018) (0.020) inch thick steel (9/16) (3/4) inch wide with 3/16 inch center regress by 1-1/2 inches high by (120) (144) inches long with factory punched cross

- tee slots, hanger holes, and integral bayonet-style end couplings.
- 2. Capping:
  - a. Styline 3700 - capped with (steel) (aluminum) capping affixed to 9/16 inch flange.
  - b. Styline 3800 - capped with steel capping affixed to 3/4 inch flange.
- 3. Finish:
  - a. Styline 3700 - coated with factory-applied standard [architect select color] baked-on enamel paint finish.
  - b. Styline 3800 - coated with factory-applied standard white baked-on enamel paint finish.
- B. Cross Tees:
  - 1. Manufactured from (0.015) (0.018) (0.020) inch thick steel (9/16) (3/4) inch wide with 3/16 inch center regress by 1-1/2 inches high by (12) (20) (24) (30) (48) (60) inches long with factory punched cross tee slots, hanger holes, and integral stab-in end couplings.
  - 2. Capped identical to main runners.
  - 3. Finish identical to main runners.
- C. Perimeter Treatment Components:
  - 1. Angle Moldings: Manufactured from (0.018) (0.020) inch steel (9/16) (3/4) (15/16) inch wide by 15/16 inch high by (120) (144) inches long with (hemmed edges) (steel capped hemmed edges) (aluminum capped hemmed edges) finished identical to main runners and cross tees.
  - 2. Shadow Line Moldings: Manufactured from (0.018) (0.020) inch thick steel with (3/8) (1/2) (3/4) (15/16) inch flange, (15/16) (1-1/8) (1-5/8) inches height, (3/8 inch by 3/8 inch) (1/4 inch by 5/16 inch) recess and coated with factory-applied baked-on enamel paint finish identical to main runners 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 (20) (30) (48) (60) inches on center, by direct suspension from existing structure, with not less than 12 gage hanger wires, wrapped tightly 3 full turns, spaced 48 inches on center along component length.
- B. Cross Tees:
  - 1. Installed perpendicular to main runners (20) (24) (30) (48) (60) inches on center to form \_\_\_\_\_ by \_\_\_\_\_ modules.
  - 2. Installed perpendicular to module forming cross tees (20) (24) (30) inches on center forming \_\_\_\_\_ by \_\_\_\_\_ modules.
  - 3. Installed adjacent to each unsupported side of recessed fixtures.
- C. (Angle) (Shadow Line) Moldings: Installed on vertical surfaces, intersecting main runners and cross tees, by appropriate method in accordance with industry-accepted practice.