

## **Ultraline 3500, Fire Front 3550 and Ultraline 3600 Systems**

### **MR-MANUFACTURER**

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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**

Ultraline 3500 is a statement in clean, visual integrity. The crisp profile of the 9/16" face and 1/4" center regress is a bold departure in quiet subtlety. Creating the illusion of a monolithic ceiling with full plenum accessibility, the exposed face disappears within reveal edge panels. The center regress accepts a special T-bolt at the mitered intersections for installation of partitions, projection screens, track lighting and signage.

This all-steel system installs with the same ease as conventional, two directional systems. Ultraline 3500 is available in white with a white regress or white with a black regress for a dramatic streak. It is also available in all painted finishes appearing in the Sensations Color Selector. Colored Ultraline comes with a matching regress.

Sleek Ultraline styling in a fire-rated version. Ultraline Fire Front 3550 was the first to inspire this greater design flexibility. These additional performance characteristics and aesthetic qualities become a creative and affordable alternative to standard 15/16" grid systems. Versatile, this system also uses standard NEMA Type-G light fixtures and standard air diffusers. Ultraline Fire Front is offered in the same painted colors as Ultraline 3500 listed above.

A visual refinement of cleaner, crisper lines and sharper corners, Ultraline 3600 adds new meaning to the vanishing line. The 9/16" face of this narrow grid system is reportioned. An extremely narrow 1/8" regress accents the surrounding metal thickness for a sturdy appearance and a more precise fit at the mitered intersections. While 5/8" or 3/4" reveal edge tiles enhance the flush, monolithic ceiling plane, the fine shadow within the regress adds dimension. Standard lay-in, square edge panels combine with Ultraline 3600 for a dynamic high tech look.

An angle attachment clip may be used for securing partitions to the grid, or partitions can be screw fastened directly to the grid's center regress. Ultraline 3600 is available in white with a white regress.

### **TS-TECHNICAL SUPPORT**

## **Specification Guidelines for Ultraline 3500, Fire Front 3550 and Ultraline 3600 Systems**

## Section 09500 - Acoustical Treatment

### **PART 1 - GENERAL**

#### 1.01 Section Includes

Provide metal suspension system for acoustical lay-in 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.
- B. Underwriters Laboratories (U.L.) Fire Resistance Directory (latest edition).

#### 1.04 Submittals

- A. Product data sheets listing dimensions, load carrying capacity and standards compliance.
- B. 12 inch long samples of main runner and cross tee with end couplings.

#### 1.05 Project Conditions

- A. Environmental Requirements:
  - 1. Verify weathertightness of area to receive suspension system prior to installation.
  - 2. Wet trades work shall be dry and complete prior to 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 Ultraline (3500) (3600) (Fire Front 3550) (Heavy) (Intermediate) Duty Suspension System.

#### 2.02 Suspension System Components

- A. Main Runners:
  - 1. Manufactured from (0.015) (0.018) (0.020) inch thick steel 9/16 inch wide with (1/8) (1/4) inch center regress by 1-5/8 inches high by (120) (144) inches long with factory punched cross tee slots, hanger holes, mitres, and integral bayonet-style end couplings.
  - 2. Manufactured with fire expansion reliefs on fire-rated components.
  - 3. Coated with factory-applied \_\_\_\_\_ color baked-on enamel finish with a \_\_\_\_\_ color

regress.

B. Cross Tees:

1. Manufactured from (0.015) (0.018) inch thick steel 9/16 inch wide with (1/8) (1/4) inch center regress by 1-5/8 inches high by (12) (20) (24) (30) (48) (60) inches long with factory punched cross tee slots, hanger holes, mitres, and integral stab-in end couplings.
2. Finish and regress identical to main runners.

C. Angle Moldings: Manufactured from 0.018 inch thick steel (9/16) inch wide by 15/16 inch high by 144 inches long with hemmed edges, finished identical to main runners and cross tees.

D. Shadow Line Moldings: Manufactured from (0.018) (0.020) inch thick steel with (3/8) (1/2) inch flange, (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 - **NON-RATED SYSTEM**

A. Main Runners: Installed (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.

#### **FIRE-RATED SYSTEM**

A. Suspension System Components: Installed in accordance with U.L. design number \_\_\_\_\_ guidelines.

#### 3.03 Repair

A. Remove damaged components, replace with undamaged components. Clean with non-solvent based non-abrasive commercial cleaning solution.