

CHICAGO METALLIC CORPORATION  
SPECIFICATION GUIDE



**Styline™ 3700**  
**Styline™ Plus 3800**  
DESIGNER CEILING SYSTEMS

# Styline™ 3700 and Styline Plus™ 3800 Systems

**Non-Fire Rated  
Double Web  
Direct Hung Exposed**

## Styline and Styline Plus Features:

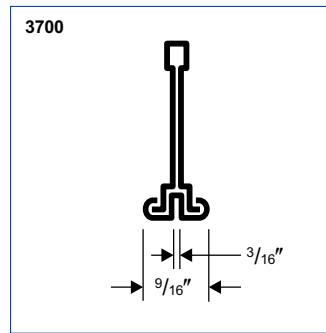
- Main Runners have non-directional knuckle joint end couplings.
- Creates the illusion of a metal free ceiling.
- Inherent savings over other narrow, regress ceiling systems.
- Accepts both a  $5/8$ " or  $3/4$ " standard lay-in ceiling panel with square cut edges.
- Main runners have a non-directional bayonet end tab and are available in standard 10' and 12' lengths.
- Cross tees have a stab-in end detail which provides quick, firm installation.
- Cross tees are available in standard lengths ranging from 1' to 5'. This allows for a variety of modular configurations.
- Styline 3700 is available in a wide variety of colors and finishes including aluminum cap. Styline Plus 3800 is available in white only.
- Standard NEMA Type-G fluorescent recessed or regressed lay-in light fixtures are recommended to integrate properly with the 3700/3800 System components.

## Exclusive Styline Plus 3800 Features:

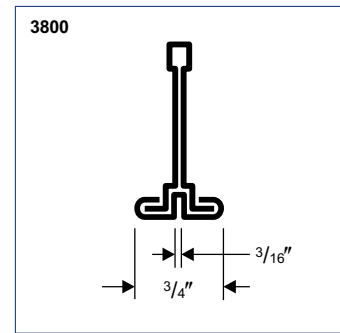
- Wider flange better conceals chipped or imperfect edges of square-cut ceiling panels.

**Chicago Metallic's Standard, Drywall Furring and Designer Ceiling Systems are available in metric lengths with corresponding metric slotting. Contact your nearest Chicago Metallic representative or office for further information or assistance.**

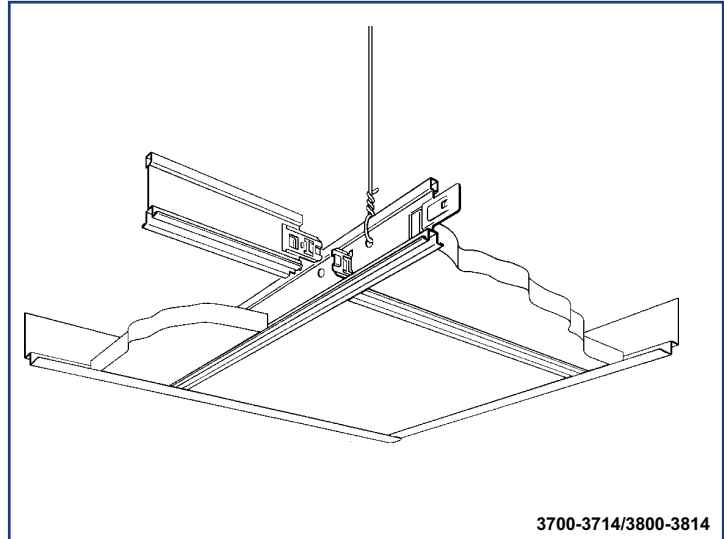
**The suspension components of this ceiling system have a protective corrosion resistant coating as in ASTM C635 - "Standard Specification for Metal Suspension Systems for Acoustical Tile and Lay-In Panel Ceilings."**

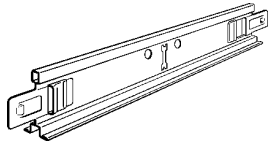


3700 with  $9/16$ " face dimension.

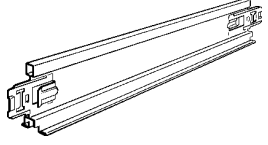


3800 with  $3/4$ " face dimension.

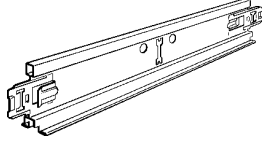




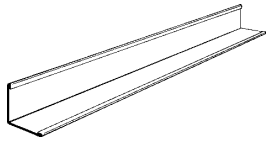
3700-3701



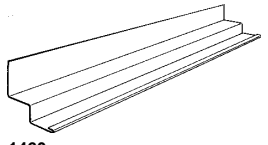
3711-3712-3713-3720



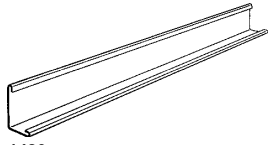
3714-3715-3734-3735



1409



1460



1480

Product Number	Nominal Dimensions			Slots	Per Carton		
	Length	Height	Face		Feet	Pieces	Weight

## Styline™ 3700 — White Finish-01

### Main Runners

3700-01	12'	1 1/2"	9/16"	12	240	20	68
3701-01	10'	1 1/2"	9/16"	12	200	20	58

ASTM CLASSIFICATION: 3700, 3701 – Intermediate Duty.

### Cross Tees

3711-01	1'	1 1/2"	9/16"	0	120	120	27
3712-01	2'	1 1/2"	9/16"	0	200	100	44
3714-01	4'	1 1/2"	9/16"	1	240	60	53
3734-01	4'	1 1/2"	9/16"	1	240	60	66
3715-01	5'	1 1/2"	9/16"	5	300	60	66
3735-01	5'	1 1/2"	9/16"	5	300	60	82
3720-01	20"	1 1/2"	9/16"	0	166	100	38
3713-01	30"	1 1/2"	9/16"	0	150	60	34

## Styline™ 3700 — Colors and Finishes

### Main Runner

3700-#	12'	1 1/2"	9/16"	12	240	20	68
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### Cross Tees

3712-#	2'	1 1/2"	9/16"	0	200	100	44
3714-#	4'	1 1/2"	9/16"	1	240	60	53

### Wall Moldings

1409-#	12'	3/4"	15/16"	–	300	25	55
1460-#	10'	3/8" X 3/8"	3/4" X 3/4"	–	400	40	59
1480-#	12'	15/16"	9/16"	–	300	25	33

# – Insert proper code number from selection below.

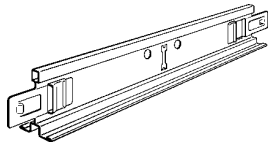
## Styline™ 3700 — Color Finishes-#

<b>White</b>	– 01	<b>Sandstone</b>	– 23	<b>Haze</b>	– 30	<b>Cameo</b>	– 47
<b>Textured White</b>	– 02	<b>Adobe</b>	– 25	<b>Manilla</b>	– 33	<b>Opal</b>	– 48
<b>Bronze</b>	– 03	<b>Parchment</b>	– 27	<b>* White</b>	– 41	<b>* Black</b>	– 78
<b>Walnut Grain</b>	– 07	<b>Tan</b>	– 28	<b>* Satin Silver</b>	– 44		
<b>Black</b>	– 08	<b>Platinum</b>	– 29	<b>Blush</b>	– 46		

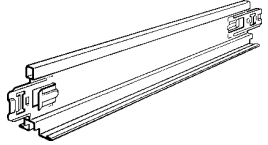
\* Aluminum Cap finish.

3700 colors, other than White-01, are considered non-stocking standards; contact the Chicago Metallic office or your representative for lead times.

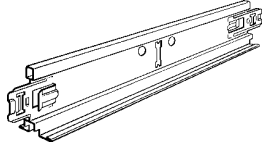
A wider range of CMC colors is available. See the Sensations Color Selector for a collection of Standard and Prestige painted finishes.



3800-3801



3811-3812-3813-3820



3814-3815

Product Number	Nominal Dimensions			Slots	Per Carton		
	Length	Height	Face		Feet	Pieces	Weight

## Styline™ Plus 3800 — White Finish-01 Only

### Main Runners

3800-01	12'	1 1/2"	3/4"	12	300	25	90
3801-01	10'	1 1/2"	3/4"	12	250	25	75

ASTM CLASSIFICATION: 3800, 3801 – Intermediate Duty.

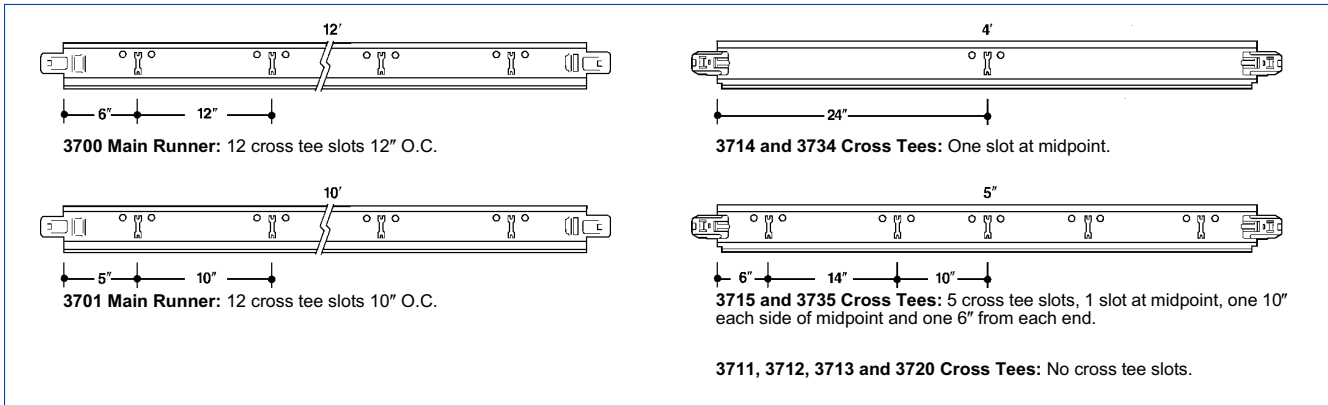
### Cross Tees

3811-01	1'	1 1/2"	3/4"	0	100	100	24
3812-01	2'	1 1/2"	3/4"	0	150	75	36
3814-01	4'	1 1/2"	3/4"	1	200	50	47
3815-01	5'	1 1/2"	3/4"	5	250	50	58
3820-01	20"	1 1/2"	3/4"	0	125	75	30
3813-01	30"	1 1/2"	3/4"	0	150	60	36

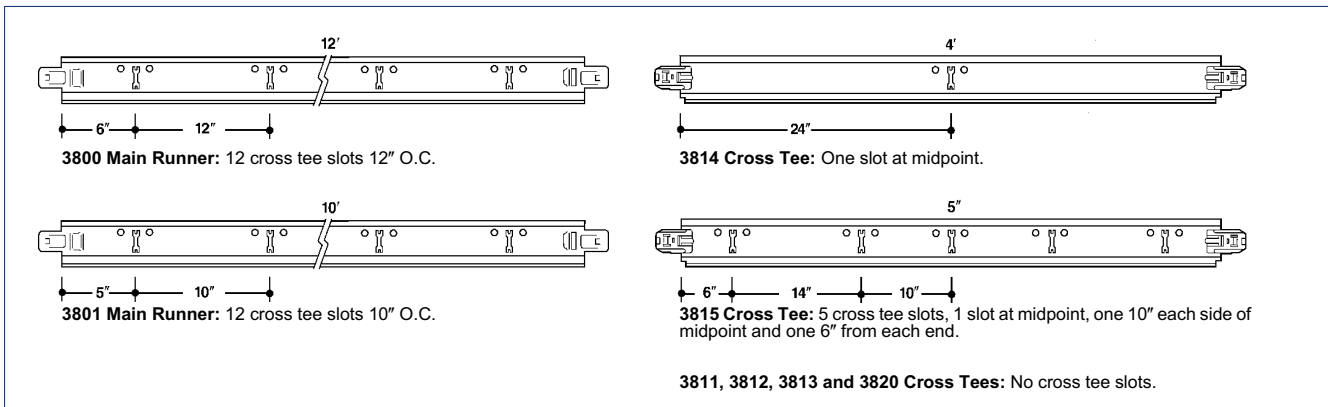
# Component Slotting and Hanger Hole Placement

All overall lengths shown are nominal dimensions

## Styline™ 3700 System



## Styline™ Plus 3800 System

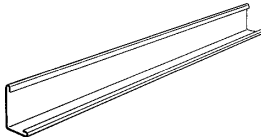
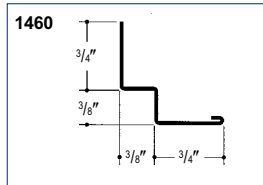
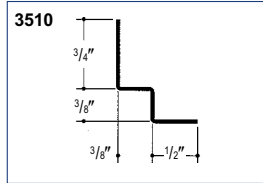
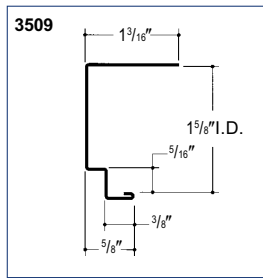


### Hanger Holes:

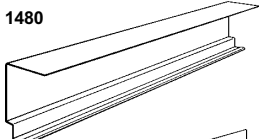
MAIN RUNNERS –  $\frac{3}{4}$ " each side of cross tee slot, and 2 additional holes equally spaced between cross tee slots.

CROSS TEES –  $\frac{3}{4}$ " each side of cross tee slot, and 2 additional holes equally spaced between cross tee slots, in all cross tees having slots.

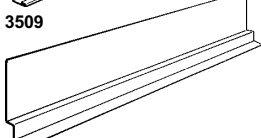
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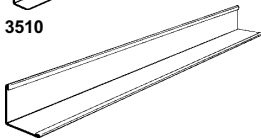
1480



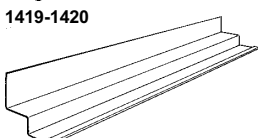
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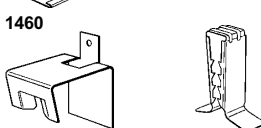
3510



1419-1420

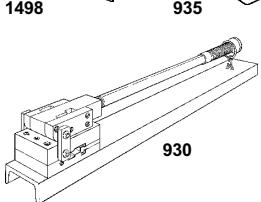


1460



1498

935



930

# Accessories — 3700 / 3800

Product Number	Nominal Dimensions			Per Carton		
	Length	Height	Face	Feet	Pieces	Weight
<b>Wall Moldings*</b>						
<b>3700 System, White-01 Finish</b>						
1480-01	12'	1 5/16"	9/16"	300	25	33
3509-01	12'	1 5/8"	5/8"	360	30	80
3510-01	12'	1 1/8"	7/8"	360	30	55

<b>3800 System, White-01 Finish</b>						
1419-01	12'	3/4"	15/16"	504	42	68
1420-01	12'	15/16"	15/16"	504	42	74
1460-01	10'	3/8" x 3/8"	3/4" x 3/4"	400	40	59

\* For a complete selection of wall angles, channels and moldings see product index PI-1400.

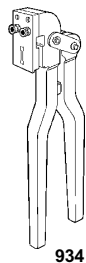
Product Number	Product Description	Per Carton	
		Pieces	Weight

## Accessories

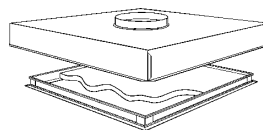
<b>Hold Down Clip</b>			
935	Adjusts to different height ceiling board	1000	17
<b>Perimeter Clip</b>			
1498	Perimeter clip for 3700 and 3800 Systems	500	21
<b>Wall Spring</b>			
88	5/8" face x 1" deep	1000	17
<b>Lay-In Air Diffuser</b>			
1730-008	2' x 2' Single Slot Diffuser with 8" Collar and Center Tile Frame	1	11

## Ceiling System Tools

<b>Cut-Off/Notcher</b>			
930	For 3700 System Only	1	20
<b>Cross Tee Slotter</b>			
934	For 3700 & 3800 Systems (Also used for 3500, 3600 and the original 4000 Systems)	1	3



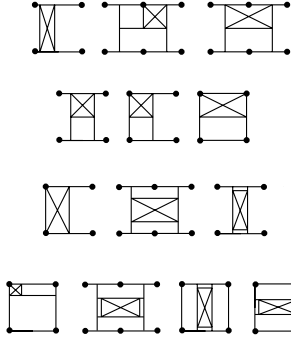
934



1730

# Component Data

## 3700/3800 Systems Hanger Positions for Non-Fire Rated Situations



This illustrates hanger positions for single fixtures in a field. Provide extra hangers for tandem fixtures.

## Styline™ 3700 System

Face dimension for all components is 9/16".

Main Runner Load Test Data Based on 1/360 Span Deflection						
RUNNER DIMENSIONS				ALLOWABLE LOAD ■ SIMPLE SPAN-lb/ft		
Main Runner	Length	Height	Metal	ASTM C635-4'	Hanger Spacing	
					5'	6'
3700	12'	1 1/2"	.020	Intermediate Duty	7.2	3.9
3701	10'	1 1/2"	.020	Intermediate Duty	7.7	3.9

Cross Tee Load Test Data Based on 1/360 Span Deflection						
TEE DIMENSIONS				ALLOWABLE LOAD ■ SIMPLE SPAN-lb/ft		
Cross Tee	Length	Height	Metal	2'	4'	5'
3712	2'	1 1/2"	.015	21.5 ▲		
3714	4'	1 1/2"	.015		10.4	
3734	4'	1 1/2"	.020		13.1	
3715	5'	1 1/2"	.015			5.7
3735	5'	1 1/2"	.020			7.7

■ To convert data into lb/ft<sup>2</sup>, divide on center spacing of component into lb/ft.  
▲ Weight limited by a safety factor of 2.

Light Fixture Load Test Data Based on 1/360 Span Deflection					
LIGHT FIXTURES	ALLOWABLE FIXTURE WT. – LBS.				
	MAIN RUNNERS & CROSS TEES				
Dimensions	3700 3714	3700 3734	3701 3715	3701 3735	
1' x 4'	36.0 ▲	32.0 ▲			
2' x 2'	38.8	47.1			
2' x 4'	56.0 ▲	40.3			
20" x 48"			24.0 ▲	30.1 ▲	
20" x 60"			24.0 ▲	30.1 ▲	

▲ Weight limited by a safety factor of 2.

## Styline Plus™ 3800 System

Face dimension for all components is 3/4".

Main Runner Load Test Data Based on 1/360 Span Deflection						
RUNNER DIMENSIONS				ALLOWABLE LOAD ■ SIMPLE SPAN-lb/ft		
Main Runner	Length	Height	Metal	ASTM C635-4'	Hanger Spacing	
					5'	6'
3800	12'	1 1/2"	.018	Intermediate Duty	6.9	4.3
3801	10'	1 1/2"	.018	Intermediate Duty	6.9	4.3

Cross Tee Load Test Data Based on 1/360 Span Deflection						
TEE DIMENSIONS				ALLOWABLE LOAD ■ SIMPLE SPAN-lb/ft		
Cross Tee	Length	Height	Metal	2'	4'	5'
3812	2'	1 1/2"	.015	38.5 ▲		
3814	4'	1 1/2"	.015		11.7	
3815	5'	1 1/2"	.015			5.9

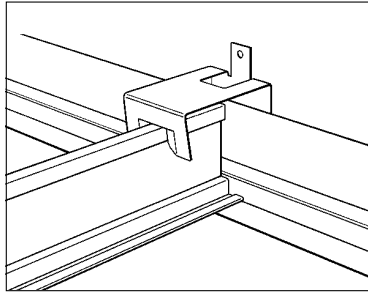
■ To convert data into lb/ft<sup>2</sup>, divide on center spacing of component into lb/ft.  
▲ Weight limited by a safety factor of 2.

Light Fixture Load Test Data Based on 1/360 Span Deflection					
LIGHT FIXTURES	ALLOWABLE FIXTURE WT. – LBS.				
	MAIN RUNNERS & CROSS TEES				
Dimensions	3800	3801		3815	
1' x 4'	44.0 ▲				
2' x 2'	40.8				
2' x 4'	61.6 ▲				
20" x 48"		28.8			
20" x 60"		36.0			

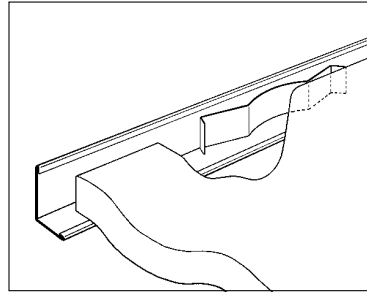
▲ Weight limited by a safety factor of 2.

Additional load test data is available upon request.

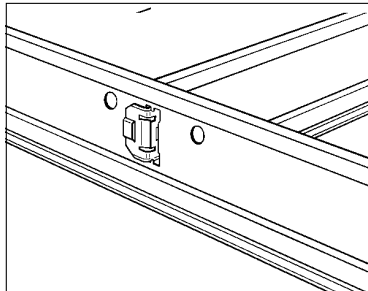
# Styline™ and Styline Plus™ Installation Techniques



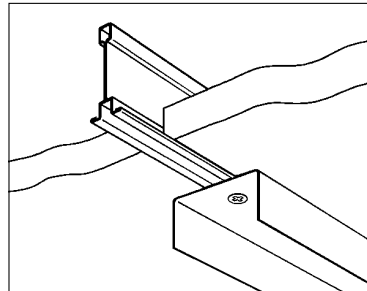
Perimeter clips (1498) may be used to attach Styline/Styline Plus to wall molding without the use of unsightly screws or rivets.



Wall springs (88) positioned along the perimeter prevent panel shift and ceiling gaps by keeping panels tight against the grid.



Unopposed cross tee end tabs should be bent flat against the main runner/cross tee web to allow clearance for installation of light fixtures and air diffusers.



Partitions may be directly screwed into the Styline/Styline Plus center regress.

## Also:

- Ceiling panels should periodically be installed into the grid suspension system as it is being assembled to keep modules square.
- Completion of the tile field should not occur until all work in the plenum (air, electrical, etc.) is completed.
- Standard hold down clips should be employed with panels that are located near areas experiencing sudden changes in air pressure (doorways, etc.).
- Recommended ceiling panel size:
  - 3700 – module length (L) -  $\frac{1}{4}$ " ; module width (W) -  $\frac{1}{4}$ " ; tolerances +0 max., -  $\frac{1}{16}$ " min.
  - 3800 – module length (L) -  $\frac{1}{4}$ " ; module width (W) -  $\frac{1}{4}$ " ; tolerances +0 max., -  $\frac{3}{32}$ " min.
- Styline 3800 is recommended for module sizes larger than 30" x 30".
- Light fixtures and air diffusers should maintain the same tolerances as stated for acoustical ceiling panels. All ceiling panels and fixtures should be square.

# Specification Guidelines (also available as 3 1/2 disk - .txt format)

## Section 09500 - Acoustical Treatment

### Styline™ 3700 and Styline™ Plus 3800 Systems

#### 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 weather tightness 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 Manufacturers
  - 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 thick 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) 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 the 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.



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