

Chicago Metallic® 4500 Ultraline™ 9/16" Exposed with 1/4" Reveal

Product

Applications

Lobbies, airports, conference rooms and other high end applications.

Features

- 9/16" face with 1/4" reveal.
- All Intersections are pre mitered during production.
- Cross Tees have stake-on end clips.
- ICC-ES report 2631
- The industry standard of compatibility: acoustical tile, light fixtures and air diffusers.
- Chicago Metallic® suspension systems meet a Class-A flame spread rating in accordance with ASTM standard E1264-08.

Benefits

- Cost and visual control.
- Sound and seismic performance.
- Sustainable: Minimum 25% recycled content, 100% locally recyclable, global/regional manufacture.

Material:

A. General

ASTM C 635 Heavy Duty (HD) and Intermediate Duty (ID) main tee classifications; commercial quality hot dipped galvanized steel, 9/16" wide with 1/4" center reveal, 1-3/4" height.

Note: A metallurgist should be consulted regarding the suitability of this product for the environmental conditions in which it is being installed.

Components:

1. Main Tees: Double web construction, 9/16" width with 1/4" center reveal, 1-3/4" height.
2. Cross Tees: Double web construction, 9/16" width with 1/4" center reveal. Stab-in end detail.
3. Wall Angle & Shadow Moldings:

For Modules Sized (24 x 24, 24 x 48, 20 x 30, 20 x 60, 30 x 30, 30 x 60)

- 4500.01 (144", slots 12"/notches 24" OC)
- 4540.01 (144", slots 12"/notches 48" OC, ID)
- 4503.01 (120", slots 12"/notches 24" OC, ID)
- 4501.01 (120", slots 15"/notches 30" OC, ID)
- 4502.01 (120", slots 10"/notches 20" OC, ID)
- 4530.01 (144", slots 12"/notches 24" OC, HD)
- 4560.01 (144", slots 12"/no notches, HD)
- 4531.01 (120", slots 15"/notches 30" OC, HD)

For Modules Sized (24 x 24, 24 x 48)

- 4511.01 (12", no slots/notches)
- 4512.01 (24", no slots/notches)
- 4524.01 (48", no slots/notches)
- 4514.01 (48", slot/notch at midpoint)
- 4518.01 (48", slot/notch-one side)

For Modules Sized (20 x 30, 20 x 60, 30 x 30, 30 x 60, 60 x 60)

- 4520.01 (20", no slots/notches)
- 4521.01 (60", no slots/notches)
- 4513.01 (30", no slots/notches)
- 4515.01 (60", slot/notch at midpoint)
- 4519.01 (60", slot/notch-30" one side)

For Modules Sized (24 x 72, 48 x 72)

- 4516.01 (72", no slots/notches)

For Modules Sized (24 x 96, 48 x 96)

- 4528.01 (96", slots 24" OC no notches)

4. Accessories: Notch Cover

Wall Angle, two hemmed edges (A x B)

- 1480.01 (144", 15/16" x 9/16")
- 1420.01 (144", 15/16" x 15/16")
- 21420.01 (144", 15/16" x 15/16")
- 1467.01* (144", 1-3/16" x 15/16")

Shadow Molding, one hemmed edge (A x B x C x D)

- 1460.01 (120", 3/4" x 3/8" x 3/8" x 3/4")
- 1461.01 (120", 3/4" x 3/4" x 3/4" x 3/4")
- 1468.01 (120", 3/4" x 3/8" x 3/8" x 15/16")

Shadow Molding, two hemmed edges (A x B x C x D)

- 1469.01 (120", 9/16" x 3/8" x 3/8" x 15/16")

Shadow Molding, two hemmed edges (A x B x C x D)

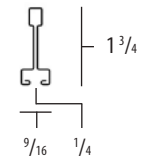
- 1466.01 (144", 1-3/4" x 3/4" x 1/4" x 1-1/4")

Notch Cover:

- 3599.01 (7/8" length)

*To allow for use of Bolt Slot Grid with 1496 Clip.

Tees

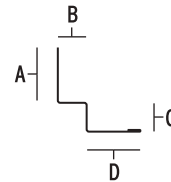


Wall Angle

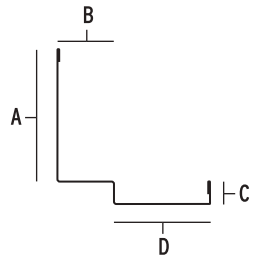


two hemmed edges

Shadow Moldings

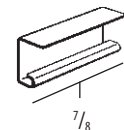


1460, 1461, 1468/1469
one/two hemmed edge

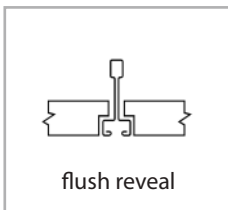


1466
two hemmed edges

Notch Cover



Details

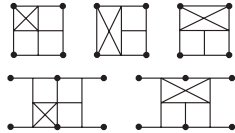


flush reveal

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Non-Fire Rated Assemblies

Hanger Positions for Non-Fire Rated Situations
This illustrates hanger positions for single fixtures in a field.



Provide extra hangers for tandem fixtures.

Component Load Test Data (based on $1/360$ span deflection)

		ALLOWABLE LOAD per ASTM C635 [■]				
Main Tee	Length	Hanger Spacing				
		4'	5'	6'		
4500	12'	ID	7.7	4.6		
4540	12'	ID	7.7	4.6		
4530	12'	HD	9.3	5.6		
4560	12'	HD	9.3	5.6		
4503	10'	ID	7.7	4.6		
4501	10'	ID	7.7	4.6		
4502	10'	ID	7.7	4.6		
4531	10'	HD	9.3	5.6		
Cross Tee	Length	2'	4'	5'	6'	8'
4512	2'	55.0 [▲]				
4524	4'		13.1			
4514	4'		14.6			
4518	4'		14.6			
4521	5'			7.7		
4515	5'			7.7		
4519	5'			7.7		
4516	6'				4.6	
4528	8'					13.1

[■]To convert data into lb/ft², 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	MAIN & CROSS TEES - ALLOWABLE FIXTURE WT. - LBS.		
	4500	4500	4530
Dimensions	4514	4524	4514
2' x 2'	42.4		42.4
2' x 4'	58.4	58.4	58.4