

Chicago Metallic® 260/280 Aluminum Cap 15/16" Exposed, Fire Rated 🔥

Product

Applications

Fire Rated - locker rooms, commercial kitchens and food prep areas, retail

Features

- The industry standard of compatibility: acoustical tile, light fixtures and air diffusers.
- Hook-type cross tees.
- Aluminum capping.
- Chicago Metallic suspension systems meet a Class-A flame spread rating in accordance with ASTM standard E1264-08.

Benefits

- Aluminum cap provides added corrosion resistance.
- Cost control.
- Global compatibility and availability.
- Sustainable: Aluminum-100%; steel-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 HDG-30 steel, hot-dip galvanized body and aluminum cap, 15/16" width, 1-1/2" 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, 15/16" width, 1-1/2" height. XXZ Main runner height = 1-13/16".

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

- 260.01AZ (144", slots 6" OC, ID)
- 280.XXZ.01 (144", slots 6" OC, HD)

- 2. Cross Tees:**

Double web construction, 15/16" width, 1-1/2" height. Hook-type end detail.

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

- 262.01AZ (24", no slots)
- 264.01AZ (48", 3 slots 12" O.C.)

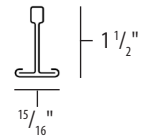
- 3. Wall Angle:**

Aluminum capped with a Steel Base.

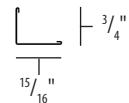
Wall Angle:

- 1409.01AH (144", 3/4" x 15/16")

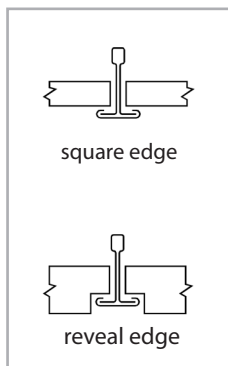
Tees



Wall Angle



Details



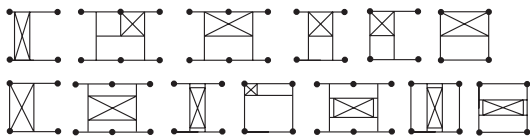
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UL® Fire Rated Assemblies

floor-ceiling type 260/aluminum cap
A202, A210, D203, D205, D209, D215, D216, G022, G201, G208, G209, G210, G211, G213, G214, G215, G216, G217, G218, G222, G228, G234, G241, G242, G244, G248, G250, G255, G256, G258, G259, J201, L201, L202, L206, L208, L209, L210, L211, L212

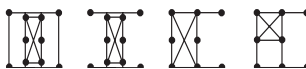
roof-ceiling type 260/aluminum cap
P201, P202, P203, P204, P206, P207, P210, P211, P214, P215, P216, P217, P219, P225, P227, P228, P229, P230, P231, P235, P237, P238, P239, P241, P244, P245, P246, P251, P253, P255, P257, P259, P260, P261, P262, P264

Hanger Positions for Non-Fire Rated Situations



Fixture weight based on single fixtures only.

Hanger Positions for Fire Rated Situations



Fixture weight based on single fixtures only and are covered in the table. Refer to specific design numbers for allowable number of fixtures per square footage of ceiling area.

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

ALLOWABLE LOAD per ASTM C635 [■]											
Main Tee	Length	Hanger Spacing									
		4'		5'		6'					
260	12'	ID				6.0		4.0			
280	12'	HD				8.9		5.6			
Cross Tee	Length	1'	20"	2'	30"	3'	4'	5'	6'	8'	
		262		2'		41.0 [▲]					
264		4'				13.1					

[■]To convert data into lb/ft², divide on center spacing of component into lb/ft.

[▲]Limited by safety factor of 2.

Light Fixture Load Test Data

(based on $1/360$ span deflection)

LIGHT FIXTURES	MAIN & CROSS TEES	
	ALLOWABLE FIXTURE WT. – LBS.	
	280	260
Dimensions	264	264
1' x 4'	67.6	55.6
2' x 2'	52.8	49.6
2' x 4'	76.0 [▲]	64.0 [▲]

[▲]Limited by safety factor of 2.