

Chicago Metallic® 1250 Seismic Fire Front 15/16" Exposed

Product

Applications

Fire Rated healthcare, hospitality, retail, airports, transit, galleries, offices.

Features

- ICC-ES report 2631. Compliant with worldwide seismic requirements, including IBC.
- The industry standard of compatibility: acoustical tile, light fixtures and air diffusers.
- Seismic and fire resistive designs.
- Chicago Metallic suspension systems meet a Class-A flame spread rating in accordance with ASTM standard E1264-08.

Benefits

- Cost control.
- Global compatibility and availability.
- 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 HDG, G-30 steel, hot-dip galvanized body and cap*, 15/16" width, 1-1/2" height. Suitable for all seismic zones. Approved for use in U. L. Designs (see reverse side for applicable design numbers).

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, 1-1/2" web height, 15/16" wide. XXZ Main runner height = 1-13/16".

2. Cross Tees:

Double web construction, 1-1/2" web height, 15/16" wide. Stab-in end detail with override.

3. Wall Angles &

Shadow Moldings:

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

- 250.01Z (144", slots 6" OC, ID)
- 270.XXZ.01 (144", slots 6" OC, HD)

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

- 299.01H (120", slots 10" OC, ID)

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

- 1251.01H (12", no slots)
- 1252.01Z (24", no slots)
- 1253.01H (36", slots 12" OC)
- 1254.01Z (48", slots 12" OC)
- 1274.01Z (48" Cross Tee - Heavy Duty rating)

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

- 1257.01Z (20", no slots)
- 1258.01H (30", no slots)
- 1296.01H (60", 5 slots: midpoint, 10" each side of midpoint, and 6" from each end)

Wall Angle, two hemmed edges (A x B):

- 1430.01 (144", 7/8" x 7/8")
- 21420.01 (144", 15/16" x 15/16")
- 1420.01 (144", 15/16" x 15/16")
- 1428.01 (144", 1" x 2")
- 1425.01 (144", 2" x 2")
- 1421.01 (120", 15/16" 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")

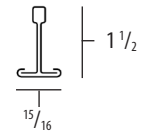
Shadow Molding, two hemmed edges (A x B x C x D):

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

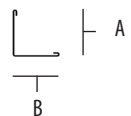
Shadow Molding, two hemmed edges (A x B x C x D):

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

Tees

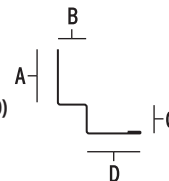


Wall Angle

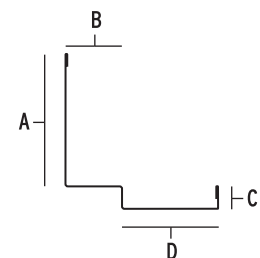


two hemmed edges

Shadow Moldings



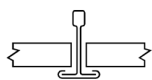
1460, 1461/1469
one/two hemmed edge



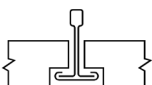
1466
two hemmed edges

Details

square edge



reveal edge



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UL® Fire Rated Assemblies

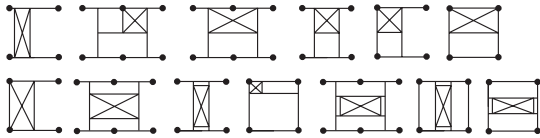
floor-ceiling type 1250

A202, A210, A211, A212, D203, D205, D209, D215, D216, D218, G007, G008, G022, G036, G201, G202, G204, G208, G209, G210, G211, G213, G214, G215, G216, G217, G218, G222, G227, G228, G229, G231, G234, G236, G241, G242, G243, G244, G248, G250, G255, G256, G258, G259, J201, L005, L006, L201, L202, L206, L208, L209, L210, L211, L212

roof-ceiling type 1250

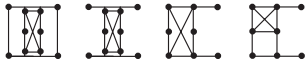
P201, P202, P203, P204, P206, P207, P210, P211, P213, P214, P215, P216, P217, P219, P225, P227, P228, P229, P230, P231, P235, P237, P238, P239, P241, P242, P244, P245, P246, P250, P251, P253, P255, P257, P259, P260, P261, P262, P264

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'		
250	12'	ID		6.0	4.0	
270	12'	HD		8.9	5.6	
299	10'	ID		6.0	4.0	
Cross Tee	Length	2'	3'	4'	5'	8'
1252	2'	40.5 [▲]				
1254	4'			14.0		
1296	5'				7.0	

[■]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	ALLOWABLE FIXTURE WT. – LBS.	
	250	270
Dimensions	1254	1254
1' x 4'	55.6	67.6
2' x 2'	49.6	52.8
2' x 4'	64.0 [▲]	76.0 [▲]

Consult specific U. L. design for allowable lighting configurations.

[▲]Limited by safety factor of 2.