

# Chicago Metallic 830 All Aluminum 15/16" Exposed

## Product

### Applications

Food and drug preparation areas, laboratories and laundries.

### Features

- All aluminum construction.
- Standard 24" x 24" and 24" x 48" module configurations.
- Works with most infill panels.
- Standard main tees with cross tee slots spaced every 12".
- Metric and non-standard lengths available.
- Chicago Metallic suspension systems meet a Class-A flame spread rating in accordance with ASTM standard E1264-08.

### Benefits

- Standard NEMA lay-in light fixtures fit properly.
- Complete seismic zone and category coverage (when used with stainless steel clip #416.15).
- Sustainable: 90%-100% recycled content, 100% locally recyclable, global/regional manufacture.

### Material:

#### A. General

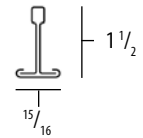
ASTM C 635 Light Duty (LD) main tee classification, commercial quality alloy, all aluminum Base Metal and Cap. 15/16" wide face.

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

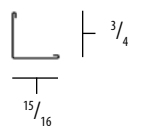
### Components:

- 1. Main Tees:** Double web construction, 1-1/2" web height with rectangular bulb.
  - 830.xxA (144", slots 12" OC, LD)
  - 01A White cap
  - 44A Satin Silver cap
  - 08A Black cap
- 2. Cross Tees:** Double web construction, 1-1/2" web height. Hook end detail.
  - 832.xxA (24", no slots)
  - 834.xxA (48", center slot)
  - 01A White cap
  - 44A Satin Silver cap
  - 08A Black cap
- 3. Wall Angle:** All-aluminum with hemmed edges.
  - 1479.xxA (144", 3/4" x 15/16")
- 4. Intersection Clip:** Locks cross tees to main tees. Stainless steel. Use for seismic areas D, E and F.
  - 416.15

### Tees



### Wall Angle



### Details



square edge

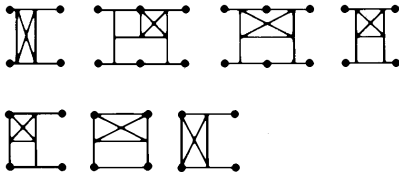


reveal edge

## Chicago Metallic 830 All Aluminum 15/16" Exposed

### 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.

### Light Fixture Load Test Data

(based on  $1/360$  span deflection)

LIGHT FIXTURES	MAIN & CROSS TEES ALLOWABLE FIXTURE WT. – LBS.
	830.00
Dimensions	834.00
1' x 4'	33.6
2' x 2'	20.0 <sup>▲</sup>
2' x 4'	32.0 <sup>▲</sup>

<sup>▲</sup> Limited by safety factor of 2.

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

ALLOWABLE LOAD per ASTM C635 <sup>■</sup>				
Main Tee	Length		Hanger Spacing	
			4'	5'
830.00	12'		LD	3.9
Cross Tee	Length	2'	4'	
832.00	2'	47.8		
834.00	4'		7.5	

<sup>■</sup>To convert data into lb/ft<sup>2</sup>, divide on center spacing of component into lb/ft.