



# Chicago Metallic BarrierGrid™ Premium 1 3/8" Exposed Gasketed

## Product

### Applications

Clean process areas requiring isolation from the ceiling plenum. Ideal for Clean manufacturing areas, healthcare, food processing, semiconductor, pharmaceutical, aerospace and precision instrument assembly rooms.

### Features

- Components and assemblies designed for use in ISO 14644-1 controlled environment facilities.
- Precision factory-installed gaskets on Heavy Duty (ASTM rated) ceiling grid
- Stab type cross tees.
- Butt cut cross tee engagement at main tees.
- Chicago Metallic suspension systems meet a Class-A flame spread rating in accordance with ASTM standard E1264-08.

### Benefits

- Factory precision applied gasket grid restricts air movement between plenums and clean process work areas and speeds up installation.
- Butt cut cross tees keep all components in same plane for improved appearance and seal.
- Aluminum capped runners and tees improve corrosion resistance of grid system.
- Sustainable: Minimum 25% recycled content, 100% locally recyclable, global/regional manufacture.

### Material:

#### A. General

ASTM C 635 Heavy Duty (HD) main tee classification, 01 White commercial quality painted steel, hot-dip galvanized body, aluminum cap, 15/16" width, 1-1/2" height. Closed cell pvc foam gaskets adhered to all tees.

*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 Tee:** Double web construction, 1-3/8" width, 1-1/2" height.

**2. Cross Tees:** Double web construction, 1-3/8" width, 1-1/2" height. Stab-in end detail.

**3. Wall Angle & Channel:**

**4. Accessories:**

#### Main Tee

600.01AG (144", slots 6" OC, HD)

#### Cross Tees

602.01AG (24", no slots, butt-cut, stab)  
 604.01AG (48", slots 12" OC, butt-cut, stab)

#### Wall Angles (A x B):

1456.01AG (144", 1-1/4" x 1")  
 1425.01 (144", 2" x 2") Per IBC  
 1428.01\* (144", 1" x 2")

(Prior Approval by AHJ is required)

\* Compatible with 1496 SP (Seismic Perimeter) Clip. Gasket must be field applied.

#### Wall Channel

1446.01AG (120", 1-5/8" x 1")

#### Hold Down Clip

935.00 (for various panel thicknesses)

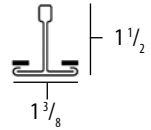
#### Wall Spring Clip

88.00

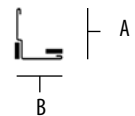
*Notes: HEPA filters and lights should be suspended at all four (4" corners of grid module.*

*With 1-3/8" grid, standard Type G light fixtures may cause interference with lens removal. Chicago Metallic recommends using light fixtures specifically designed for clean room applications.*

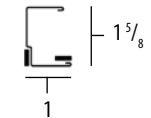
### Tees



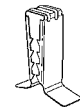
### Wall Angle



### Wall Channel



### Accessories - Clips



Hold Down Clip  
935.00

### Details

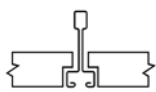


Mineral Wool panels with gasketed grid



Planostile panels with gasketed grid

### Details

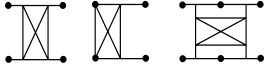


flush reveal

## Chicago Metallic BarrierGrid™ Premium 1 3/8" Exposed Gasketed

### 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 <sup>■</sup>										
Main Tee	Length	Hanger Spacing								
		4'	5'		6'					
600	12'	HD								
Cross Tee	Length	1'	20"	2'	30"	3'	4'	5'	6'	8'
602	2'	100.0 <sup>▲</sup>								
604	4'	18.6								

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

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