

# Custom Size OPTIMA® Ceiling Panels

## Assembly and Installation Instructions

### 1. PRODUCT DESCRIPTION

This product category consists of standard 3/4", 1", and 1-1/2" thick Optima® fiberglass panels, but available in custom sizes ranging in width from 4" to 48" and in length from 4" to 120". Panels are available with or without CAC backing.

Armstrong Ceiling Solutions limits the weight of an individual ceiling panel to 20 lbs. unless those panels are attached to the grid system. This restraint limits the maximum size of a 1-1/2" thick panel to 39 sf for unbacked panels and 31 sf for CAC backed product.

Panel edges can be lay-in for 15/16" T-bar grid or Tegular for either 9/16" or 15/16" grid.

No special installation requirements are necessary for panels less than 5' in length. However, when any panel edge exceeds 5', some additional considerations are necessary to ensure the integrity of the ceiling system.

#### 1.1. Installation Accessories

Armstrong Ceiling Solutions recommends the use of #435 Stabilizer Clips for 3/4" and 1" thick panels and #436 for 1-1/2" panels. Stabilizer Clips, items #435 and #436, are not supplied with the panels and must be ordered separately. All clips are packaged in cartons of 50 pieces. To order, contact your Armstrong Ceilings representative or call 1 877 276 7876, options 1-1-1-2.

### 2. SUSPENSION SYSTEM

Suspension systems, whether 9/16" or 15/16", shall be installed to meet the minimum requirements established in the ASTM C636 standard and any other requirements established by local code.

2' wide panels require a minimum of 3" of clearance for installation. 4' wide panels require 8" of clearance.

### 3. PERIMETER TREATMENT

Perimeter panels, less than full size, shall be neatly trimmed and installed either by re-cutting the Tegular edge detail or by concealing the cut edge on the horizontal flange of a perimeter molding.

When the edge of the panel rests on the molding, it must be shimmed or border springs must be used to prevent the possibility of the panel shifting toward the wall far enough to permit the opposite edge to drop off of the grid flange.

All field cut edges "exposed to view" should be colored to match the factory finish. Armstrong® SuperCoat™ Ceiling Panel Touch-up Paint is recommended.

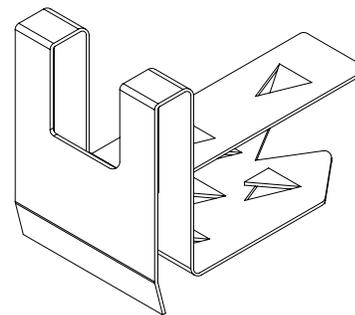
### 4. SPECIAL CONSIDERATIONS FOR LONG PANELS

During the installation process, or when a panel is removed from the grid for plenum access, a careless movement could cause the grid member to be bumped away from the adjacent panel. Under this condition, it is possible for that panel to fall from the ceiling plane.

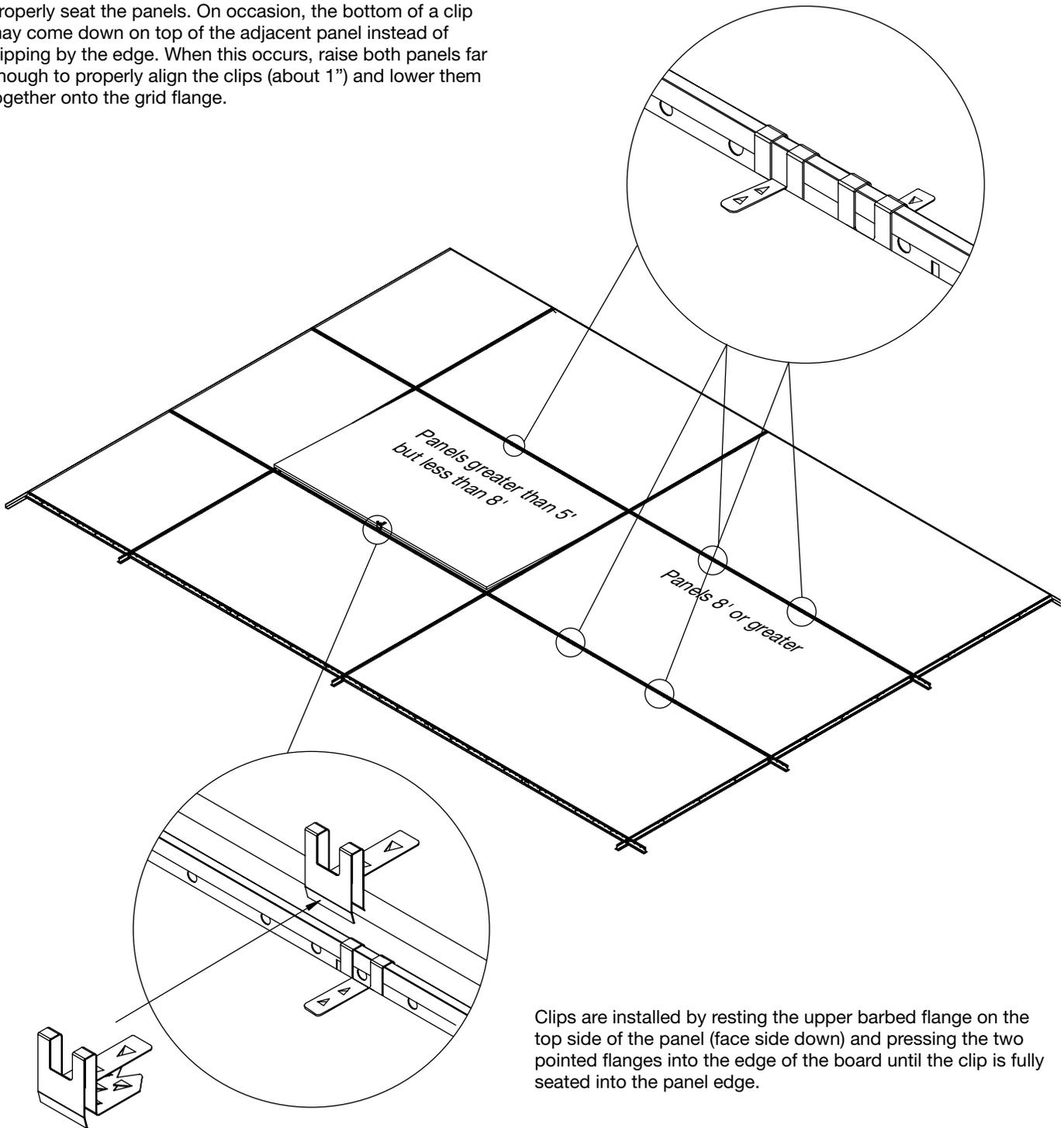
Armstrong Ceiling Solutions recommends the use of #435 Stabilizer Clips for 3/4" and 1" thick panels and #436 for 1-1/2" panels. These clips are embedded into the edges of the panels. The clips saddle over the suspension system, and serve to prevent the grid from moving away from the panel edge.

Panels longer than 5' and up to 8' in length should have one clip installed near the midpoint of each long edge. Panels 8' and longer should have two clips placed at one-third points along the long edges.

Clips may be installed either before or after the panel is raised above the grid system. The preferred installation method is to install the panel in the grid, and then raise the edge high enough to permit installation of the clips. If installing the clips prior to panel installation, place them where the hanger wires will not interfere with their function.



Properly seat the panels. On occasion, the bottom of a clip may come down on top of the adjacent panel instead of slipping by the edge. When this occurs, raise both panels far enough to properly align the clips (about 1") and lower them together onto the grid flange.



## **MORE INFORMATION**

For more information, or for an Armstrong Ceilings representative, call 1 877 ARMSTRONG.

For complete technical information, detail drawings, CAD design assistance, installation information, and many other technical services, call TechLine customer support at 1 877 ARMSTRONG or FAX 1 800 572 TECH.

For the latest product selection and specification data, visit [armstrongceilings.com](http://armstrongceilings.com).

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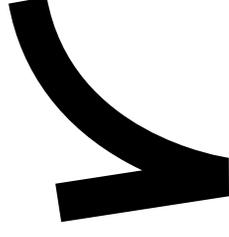
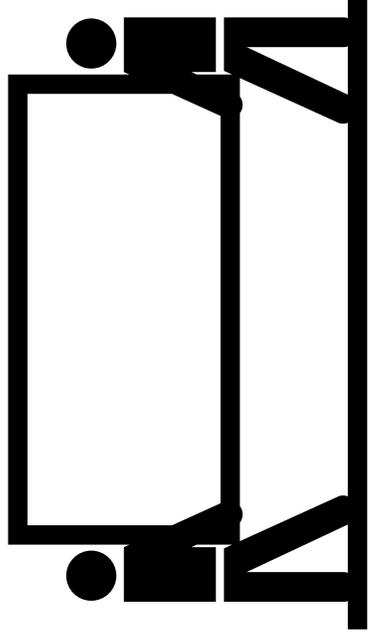
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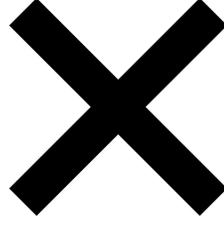
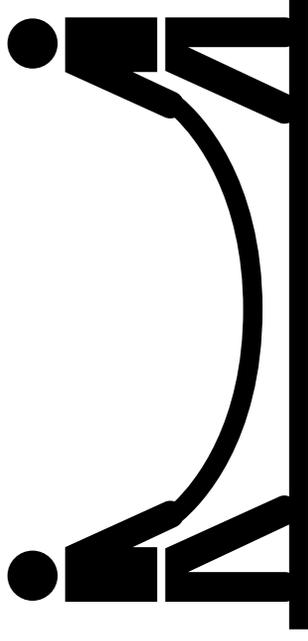
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**CARRY IN VERTICAL  
POSITION ONLY**



**DO NOT CARRY IN  
THE FLAT POSITION**



**DO NOT DROP ON  
CORNER**

