

Chicago Metallic 1494 Seismic Separation Joint Clip

Product

Applications

According to the International Building Code (IBC), a seismic separation joint is required in Seismic Categories D, E and F where ceiling areas are larger than 2500 sq.ft. The 1494 Separation Joint Clip is a shaker table tested alternative solution to providing the unsightly traditional separation joint that is currently prescribed in the IBC.

Features and Benefits

- Shaker table tested.
- Strong code compliant solution for seismic categories D, E, F.
- Sits on top of the grid members for easy attachment.
- Hidden design provides clean look on finished ceiling.
- 1 piece design works on all applications.
- 1494 Clip can be used on the Main Runners and Cross Tees, minimizing inventory needs.
- Maintains ceiling system strength.
- Works with most Chicago Metallic® Suspension Systems.
- Hash mark on clips easily identify screw attachment points in field.

Material:

A. General

Commercial quality steel, sized to fit Chicago Metallic ceiling grid components

Component:

1. Seismic Separation Joint Clip

1494.00 SSC

Specify the 1494 with these Chicago Metallic grid systems - 1200 Seismic, 1280 Aluminum Cap, 4000 Tempra, 660 Wide Face and 4500/4600 Ultraline grid systems. White paper available on request.

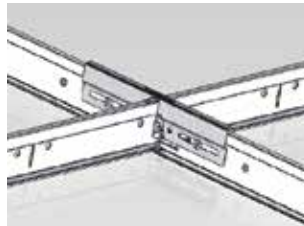


2. Main Runner Web Covers

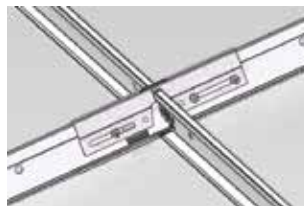
- 1320.01 (15/16" cover)
 1321.01 (9/16" cover)
 1322.01 (1-3/8" cover)

Application:

1. On Intersection On Joint Cut



2. On Intersection Off Joint Cut



3. Off Intersection Off Joint Cut



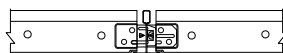
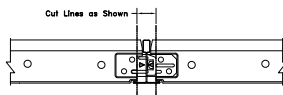
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On Intersection - On Joint (Cross Tee Placement)(Figure 1)

1. Identify layout configurations to best maximize space and limit necessary joints.
2. Install complete grid layout according to job specific drawings and following all local building codes.
3. For 1200 system cut straight down the end of the cross tee cutting bulb, clip and web as shown in Figure 1. Make sure you don't cut through the face of the grid. End clips may be left in the main runner if they don't fall out after cutting.
 - a. Note – For 4000 system make cuts at an angle as shown in (Figure 2) so as to not cut through the face of the cross tee.
 - b. Note – Work with one joint at a time to ensure system stability.
4. Slide clip over cross tees and hold in position with clamps.
5. Attach 1 screw at each center hash mark. Do not over tighten.
6. Note Use #7 x 7/16" Sharp Point Framing Screw, min.

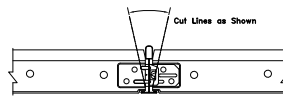
On Intersection – Off Joint (Cross Tee Placement or Main Runner Placement)(Figure 3)

1. Identify layout configurations to best maximize space and limit necessary joints.
2. Install complete grid layout according to job specific drawings and following all local building codes.
3. For all systems locate hanger hole on side you wish to cut and make a straight cut along this line. Cut and remove a 3/4" section of grid away from the intersection.
4. Attach one side of the expansion sleeve to better align grid.
5. Place clip over member and clamp in place ensuring cut mains are in alignment.
6. Attach 2 screws to the fixed side of the clip, as shown, to lock the clip in place.



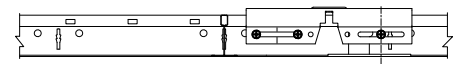
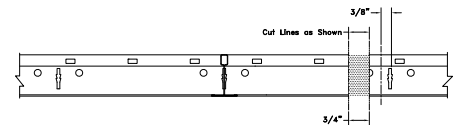
On Intersection On Joint Cut

Fig 1



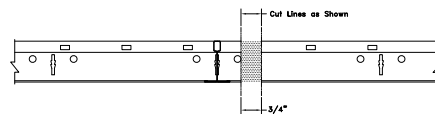
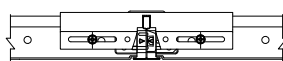
4000C System Cross Tee Cutting Technique

Fig 2



Off Intersection Off Joint Cut

Fig 4



On Intersection Off Joint Cut

Fig 3

7. Attach 1 screw to the cut side at the center hash mark on sliding side. Do not over tighten.
8. Ensure hanger wires are located within 6" of each side of joint. (Main Runner cut only)
9. Note Use #7 x 7/16" Sharp Point Framing Screw, min.

Off Intersection – Off Joint (Main Runner Placement) (Figure 4)

1. Identify layout configurations to best maximize space and limit necessary joints.
2. Install complete grid layout according to job specific drawings and following all local building codes.
3. Mark clip location by measuring 3/8" off cross tee slot as indicated in Figure 4. Use this mark to properly align and locate clip using the center hash mark.
4. Locate cut line at next slot off cross tee intersection as shown in Figure 9. Start cut at midpoint of hanger hole closest to intersection. Measure 3/4" towards intersection, mark line, cut and remove 3/4" wide section.
5. Attach one side of the expansion sleeve to better align grid.
6. Place clip over grid member aligning the center hash mark with your alignment line done in step 3. Clamp in place ensuring cut grid is in alignment.
7. Attach 2 screws to the fixed side of the clip, as shown, to lock the clip in place.
8. Attach 1 screw to the cut side at the center hash mark on sliding side. Do not over tighten.
9. Ensure hanger wires are located within 6" of each side of joint.
10. Note Use #7 x 7/16" Sharp Point Framing Screw, min.

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