Rockfon®

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Rockfon® Sequence® Linear Metal Beam Baffles

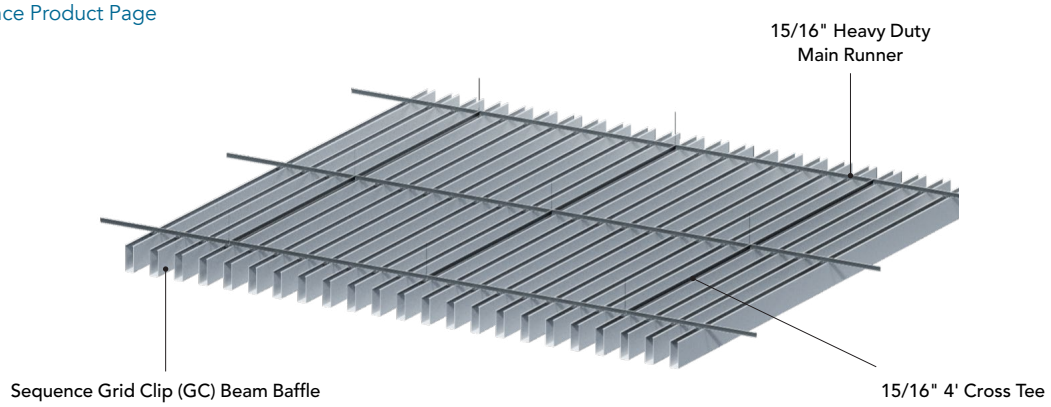
15/16" Grid Clip Baffle Installation Guide

System Overview

The Rockfon Sequence system is a metal ceiling system comprised of metal beam baffles, produced from aluminum. These metal beam baffles are offered in varying widths, heights and lengths up to 10', and can be installed in long, linear runs, adding depth and variety to a ceiling space. These metal beam baffles are offered in various finishes, including Rockfon's standard offering, the 34 Color-All™ colors of well-being, and woodgrains from each of Rockfon's Woodlands™, Metalwood® and Woodscenes® finishes.

This installation guide will focus on installing Sequence Linear Beam Baffles into Rockfon standard Chicago Metallic® 15/16" suspension grid, or a Cubegrid® 360° painted grid.

Visit Sequence Product Page



Best Practices

Always follow good safety practices when installing ceilings.
Prior to beginning installation ensure that all materials are received and in good condition. Record any shipping damage on the carrier's bill of lading and contact Rockfon immediately to order replacement material:

- Email: **cs@rockfon.com**
- Fax: 866-211-3824
- Customer Service: 800-323-7164

If there are any issues with your order, contact Customer Service at 1-800-323-7164, telephone option 1.

E-mail replacement material orders, including your purchase order number on document, to cs@rockfon.com.

For technical assistance, contact Technical Services at 1-800-323-7164, telephone option 2.

Reference Documentation

Several industry standards are published and available. Acoustical and metal ceiling installers should familiarize themselves with these installation methods and best practices recommended for ceiling systems.

Prior to installation, it is imperative the installer become familiar with any project specific documentation available. These items will confirm ceiling layout, baffle sizes and finish, ceiling accessories, ceiling fixture layout and orientation, and any special edge conditions.

Installation Condition

Temperature and Humidity

Avoid installation in high moisture conditions where the space is not properly ventilated and acclimatized. Rockfon Sequence should be installed in a clean environment, free from construction dust and debris.

Handling

Baffles come shipped in cartons and should be stored in a dry location. Prior to installation, inspect the cartons for damage. Use care in handling and removing the baffles. It is recommended to use clean gloves with a non-marking rubber/latex coating or polyethylene gloves when handling Rockfon metal ceiling products to avoid contamination. For baffles longer than 4' it is recommended that two installers handle the baffles when moving or installing into the ceiling plane.

Industry Standard Documentation

- ASTM C636 (Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Baffles)
- CISA Metal Ceilings Technical Guidelines
- CISCA Ceiling Systems Handbook

Project Specific Documentation

- Reflected Ceiling Plans
- Project Specifications
- Approved Project Submittals (data sheets, shop drawings)

Tools Required

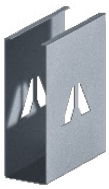
- Laser or Leveling Device
- Miter Saw/Circular Saw
- Marking tool (pencil)
- Square Nose Side Cutter
- Clean Gloves
- Aviation Snips
- Tape Measure
- Slot Screwdriver
- Phillips Screwdriver

System Components

Sequence Grid Clip (GC) Beam Baffle

Cubegrid or 1200 Heavy Duty 360° Painted Main Runner

Cubegrid or 1200 360° Painted Cross Tee

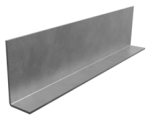


Sequence Baffle Splice

Sequence Baffle End Cap

15/16" Sequence Suspension Clip (1")

15/16" Sequence Suspension Clip (2")



360-Degree Painted Angle

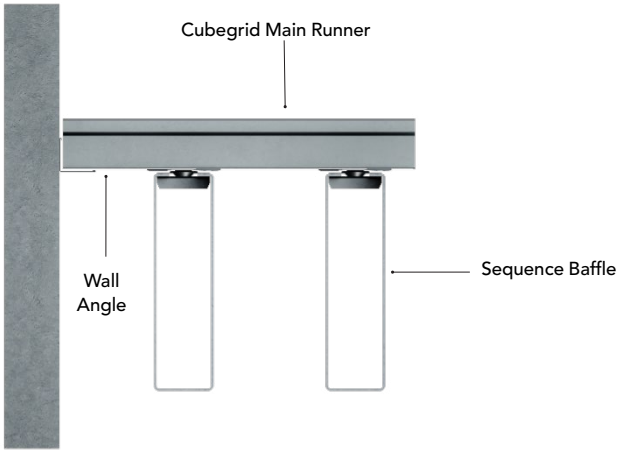
1. Suspension System Installation

All suspension must be installed per ASTM C636 including local building codes and standards. Special attention should be given to the squareness of the system. Failure to have a square system will create a poor aesthetic with misalignment in the corners and difficulty in aligning the baffles. Use minimum 12 gauge galvanized steel hanger wire per ASTM C636 for suspending the grid.

1.1 Secure the Specified Perimeter Treatment to the Walls Using Appropriate Fasteners

Reference any project documents for proper ceiling elevation.

Wall Installation

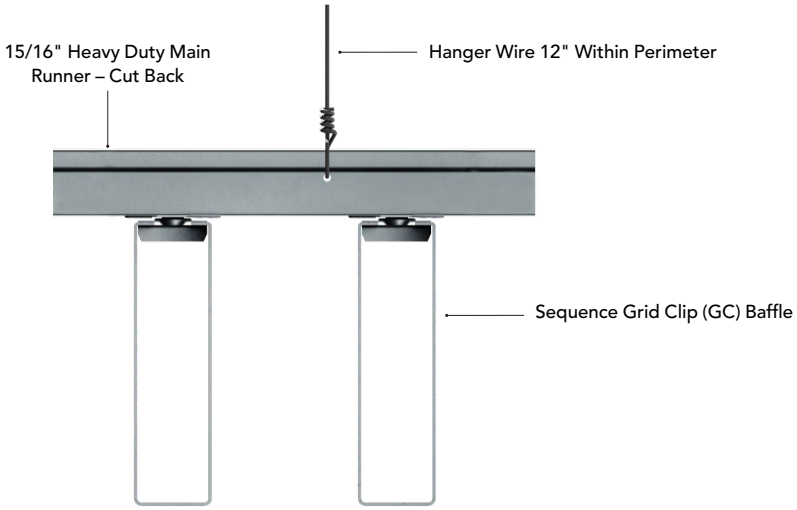


1.2 Floating Installation

Floating installations may be trimmed out with Infinity™ extruded aluminum trim, or by simply cutting back 15/16" suspension grid.

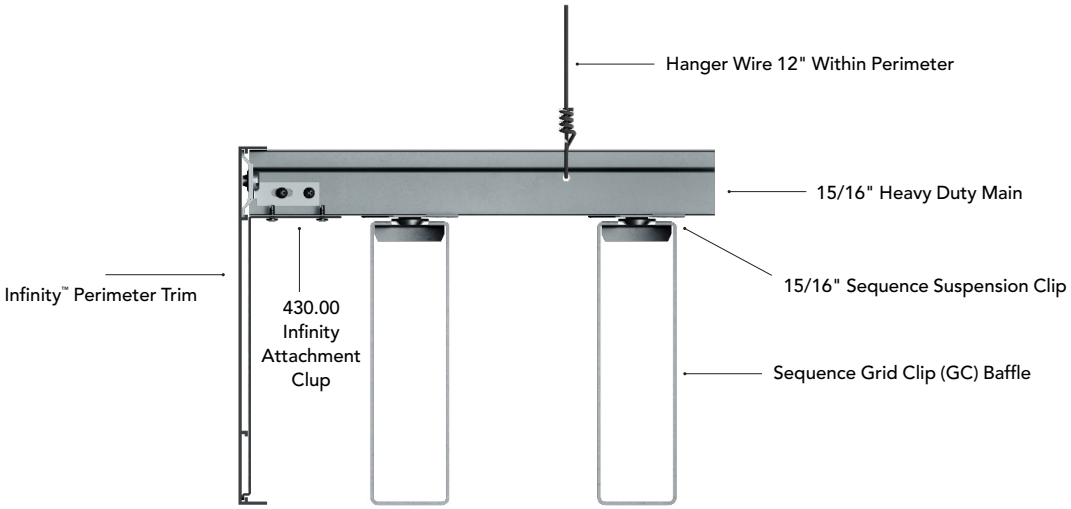
Floating Installation with Grid Cut Back

Cut back grid to desired length overhanging baffle. Additional hanger wires are required to support cantilevered grid. These hangers should be within 12" of perimeter. This includes both the cross tees and the main runners. Also ensure a grid cross tee is within 12" of the edge.



Floating Installation with Infinity

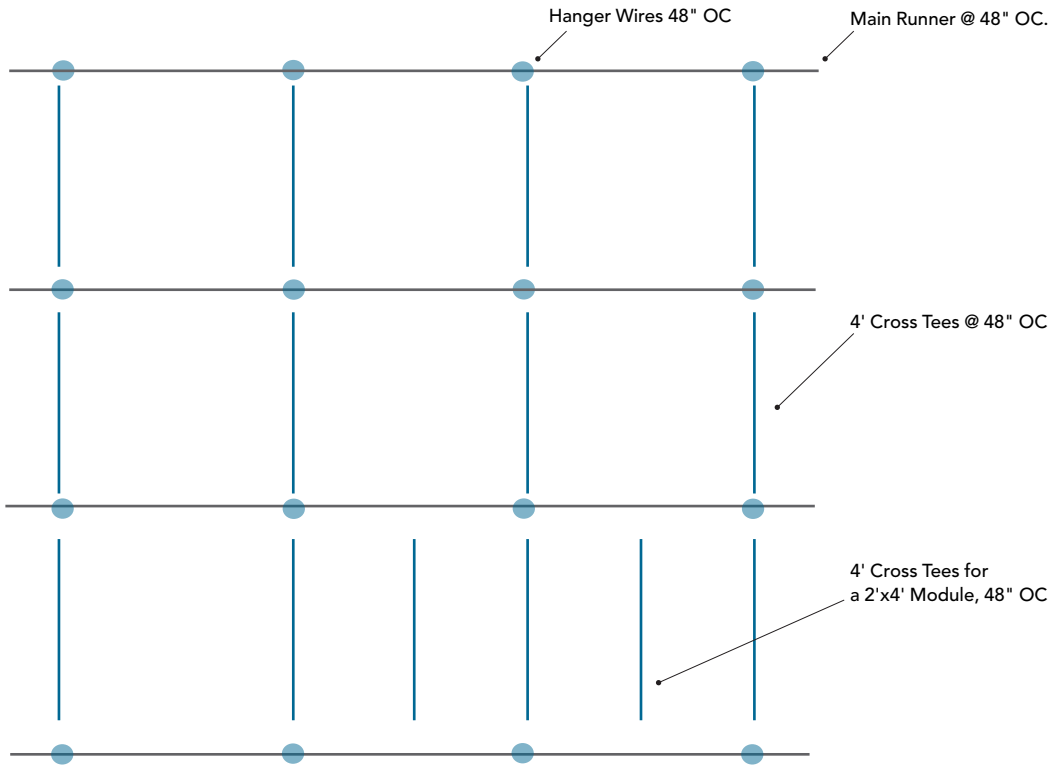
Since the baffles are supported from the bottom of the suspension, the trim should be 2" taller than the baffle height. Attach to suspension using 15/16" Sequence suspension clips for appropriate width baffles. Additional hanger wires are required to support cantilevered grid. These hangers should be within 12" of perimeter. Also ensure a grid cross tee is within 12" of the edge.



1.3 Suspension System and Layout

Rockfon requires the usage of a 15/16" face grid using heavy duty main runners to install this system. It is recommended to use a 360° painted grid for best aesthetics, using either Rockfon Chicago Metallic® 1200 Seismic suspension, or Rockfon Cubegrid® 360° painted grid. Most standard installations call for 4x4 module suspension layout, however some applications may require a smaller module layout. If an acoustical correction is required, a 2x4 module can be installed for the installation of 2x4 Rockfon® Cinema Black™ ceiling tiles above the baffles. If Cubegrid is used as the suspension, the installer must ensure the Cubegrid main runners are slotted accordingly for the proper module.

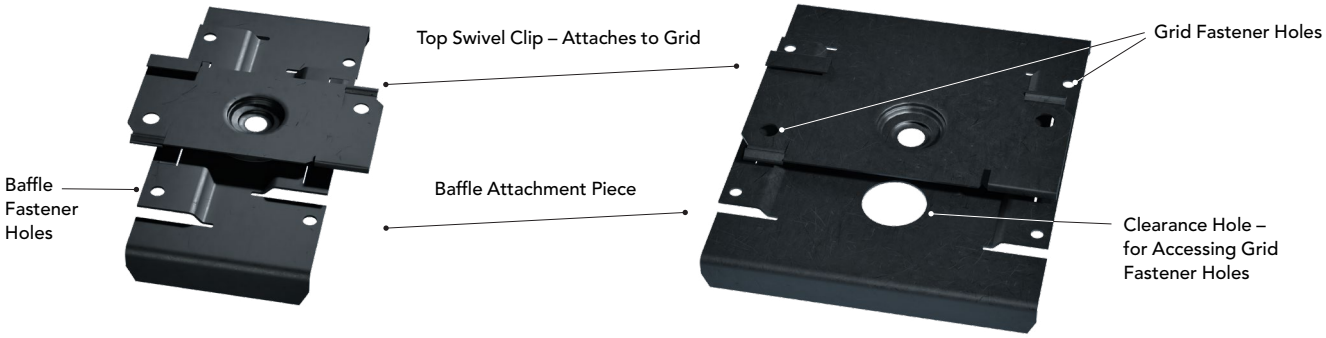
4x4 Suspension Layout for 15/16" Suspension



2. Baffle Installation

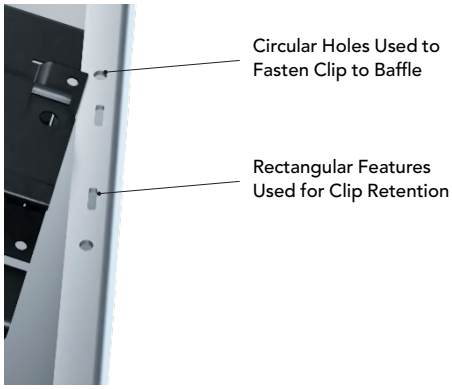
2.1 Installing 15/16" Suspension Clip to Baffle

When clips are not required to be screw fastened to suspension (as they are with seismic installations), Rockfon recommends clips be installed to the baffles first, before installing clip to suspension. The Sequence Grid Clip system features two clip options to attach baffles to suspension, dependent on the width of the baffles being used:

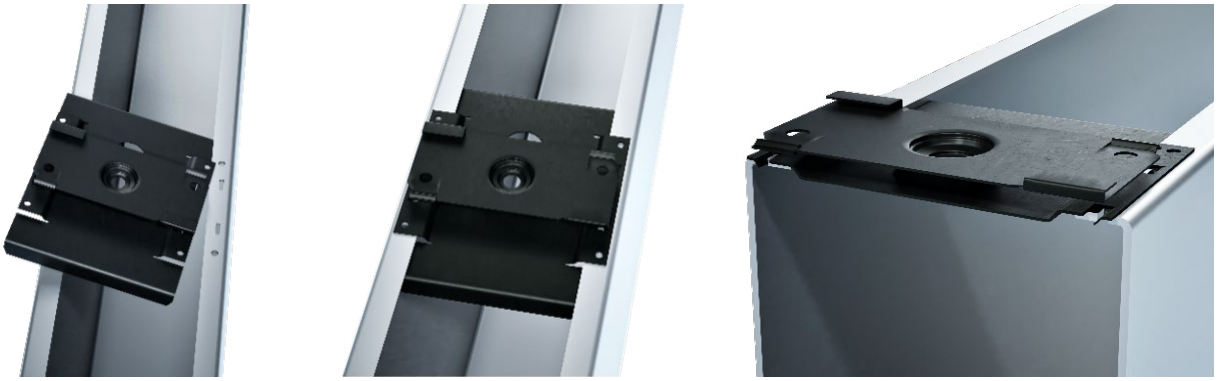


1" Width Baffle Suspension Clip **2" Width Baffle Suspension Clip**

Sequence 15/16" suspension clips are used to attach baffles to underside of suspension grid. Sequence Grid Clip Baffles are manufactured with factory applied features on baffle flanges to indicate clip placement. Sequence Grid Clips feature retention features designed to install into factory applied features. Features are located 12" OC along both sides of the baffle.



Start by aligning clip with factory punches. Then, insert one side onto baffle until retention features on clip snap into place. Lastly, insert other side of the clip onto other baffle punches until clip is fully snapped into place. #7 screws may be used for additional support of clip to baffle.



Rockfon recommends standard clip spacing of 48" OC along the baffle.

2.2 Installing Baffles to Grid

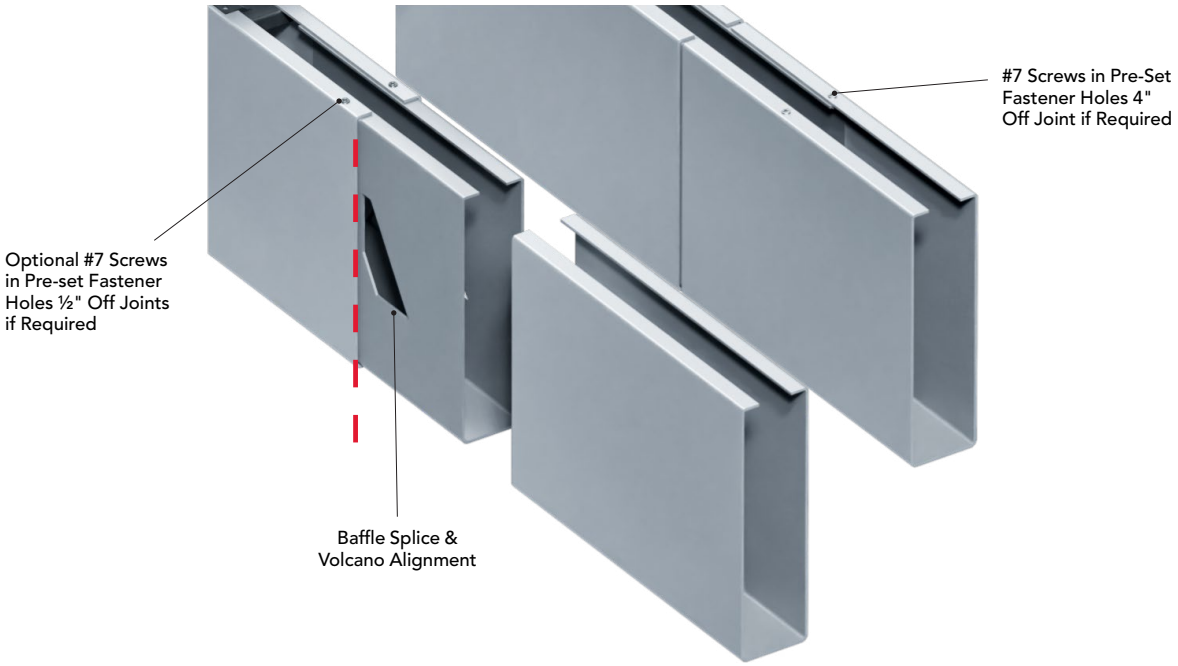
Double check the suspension system is square and level prior to baffle installation. Sequence Grid Clip baffles can be installed directly to the underside of the grid suspension using a 15/16" baffle suspension clip. **Ensure clips are being attached to main runners only.**

Install the top swivel clip part of the clip to underside of 15/16" suspension grid. Place the clip on a diagonal across the grid face, compress the tabs of the clip, rotate the clip to snap the clip half to the face of the suspension.

2.3 Baffle Splices

Install splices by inserting splice into open end of baffle. Center splice evenly between two baffles, utilizing the center of the Rockfon volcano as an alignment point. Use #7 screws on pre-set fastener holes 4" away from baffle joints to support alignment.

Note: Once splice is aligned using volcano, fastener holes between baffle splice and baffle should align. If alignment issues persist, install additional #7 screws as needed into holes closest (1/2") to baffle joints. Rockfon recommends installing one side of splice to baffle on the ground, prior to suspending carrier, for easiest installation.



If perforated baffles are installed, black or matching splices are recommended to avoid seeing the splices through the baffle perforations.

Note: Once spliced, baffles become inaccessible. See **section 4** for accessibility instructions.

2.4 Cutting Metal Baffles

Cutting Sequence baffles is easy with a miter or circular saw with an appropriate metal cutting blade for accuracy of cuts. Use all appropriate personal protective equipment, as well as all appropriate safety precautions. Use an appropriate sized block inside the baffle. Place the baffle firmly against the saw's back stop. Once the blade is at full speed, slowly cut the baffle. Pushing the saw too quickly will result in sharp edges and poor cut quality.

Note: Maintaining a sharp blade is crucial to clean cuts. Be cautious of the cut edges as burrs and cuts are extremely sharp. Use a metal file to remove burrs and sharp edges prior to installation, as the burrs may affect how end caps or splices fit in the baffle.

3. End Cap Installation

When baffle ends are exposed, or if using taller profiles such as 10" and 12", Rockfon recommends end caps in matching finishes for Standard Colors, Rockfon Color-All™, Custom Colors, Woodlands, Metalwood, and Woodscenes finishes. Install end cap into open end of baffle. Use #7 screw in pre-set fastener holes to fasten end cap in place.

3. Seismic Installation

Rockfon Chicago Metallic 1200 15/16" suspension grid has been thoroughly tested for usage in seismic categories C, D, E and F. When installing Sequence Linear Metal Beam Baffles in these seismic areas, Rockfon Chicago Metallic 1200 15/16" suspension is to be used with heavy duty rated main runners. Refer to ICC-ESR-2631 for appropriate items.

Suspension must be installed per ASTM C636 and ASTM E580 as a wall-to-wall installation. Refer to Rockfon "Seismic Relief Brochure" on www.rockfon.com for additional details on seismic installation and perimeter conditions using the Rockfon 1496 perimeter clip.

Any installation occurring in seismic categories C, D, E and F, must refer to local building codes and requirements of said categories. The authority having jurisdiction will have ultimate approval on final installation.

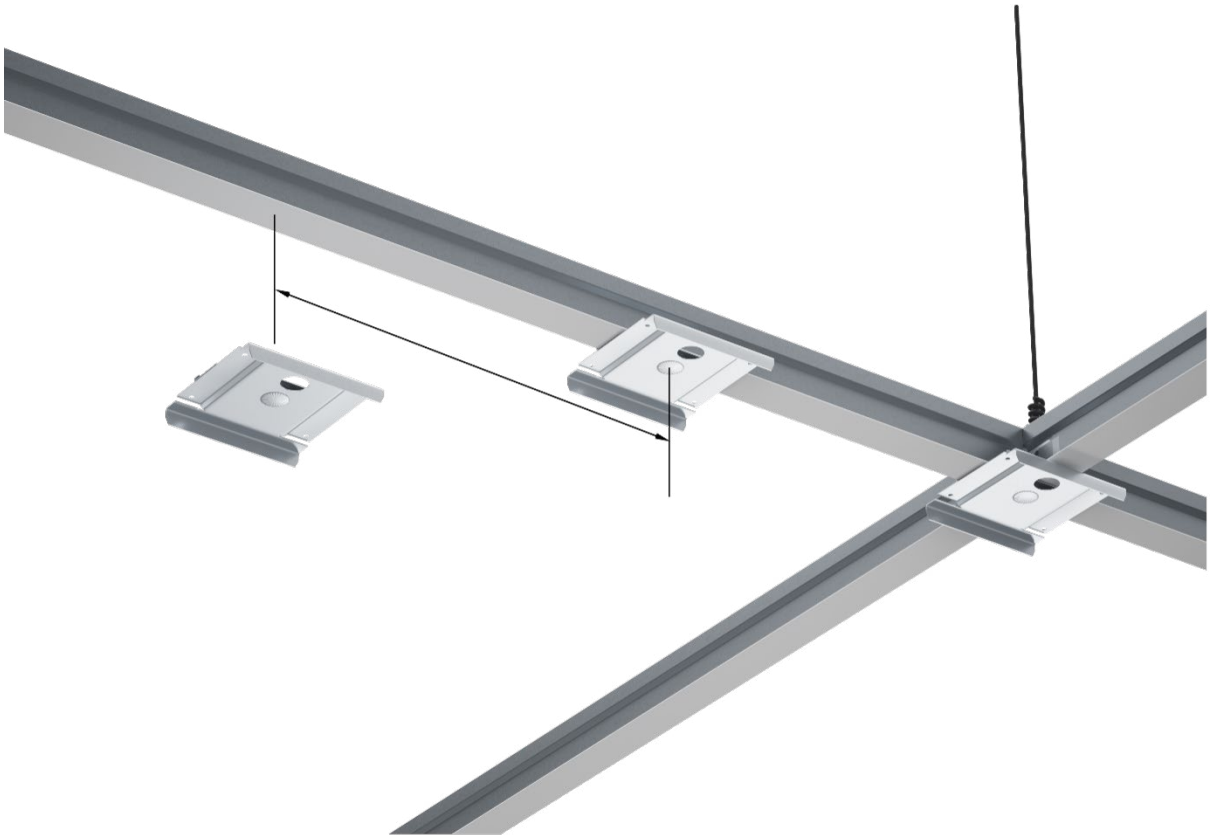
3.1 Suspension Layout

Total ceiling load (baffles plus additional ceiling tile installation) will determine ultimate suspension layout. It is recommended that shop drawings be completed prior to the project to ensure proper carrier is produced and used. Consult Rockfon Specialty Services at Estimating@rockfon.com to initiate shop drawing requests

3.2 Baffle Positive Attachment

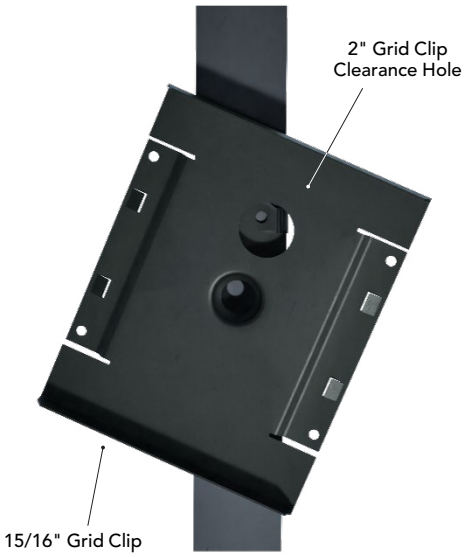
In any seismic design installation, Sequence Metal Beam Baffles **must be positively attached to suspension and baffle**.
In these cases, Rockfon recommends installing suspension clip to grid first, followed by baffles to installed clips.

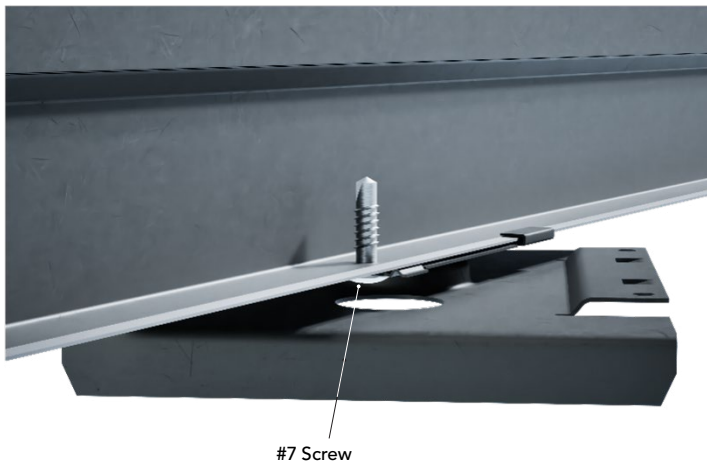
Start by marking clip locations along the suspension system. **Ensure clips are being installed to heavy duty main runners only.**



Next, install the top swivel clip part of the clip to underside of 15/16" suspension grid. Place the clip on a diagonal across the grid face, compress the tabs of the clip, rotate the clip to snap the clip half to the face of the suspension. Then, using pilot holes located on the top part of the clip, use a #7 screw to fasten clip to 15/16" grid flange.

Note: 2" width clip features a clearance hole, allowing clip to be swiveled until clearance hole provides access to pilot hole on the swivel clip.





Install Sequence baffles to bottom part of the suspension clip, utilizing retention features on the bottom piece of the clip, as is detailed in **Section 2.1.**

Lastly, locate two pilot holes diagonally from one another on the bottom piece of the baffle suspension clip. These holes will be used to fasten suspension clip to baffle. Utilizing #7 screws, fasten clip to top flanges of the baffle.

4. Accessibility

Plenum access is often required to service HVAC, Plumbing, and Electrical. In order to access the plenum, individual baffles must be removed. First locate the area requiring access and create the access area as described below.

4.1 Creating Access Areas

When baffles are spliced together, the area becomes inaccessible. In order to create access areas, **individual baffles must have end caps installed on either end**. These baffles can be removed individually.

Note: Once one baffle is installed with end caps on both sides, the next baffle in the row will have an exposed end. Install appropriate end cap on exposed end for best aesthetics.

4.2 For Baffle Removal from Suspension Clip

Locate the smaller legs of the clip, diagonally from each other. With firm thumb pressure, lift the small legs of the clip over the top of the baffle and twist the clip until it disengages from the baffle. This step requires firm hand pressure.

5. Service Integration

5.1 Sprinklers

This system may be installed as an open plenum system with a variety of layouts, or as a closed plenum system using a stone wool ceiling baffle as a backer. Depending on baffle layout, baffles may obscure sprinkler pattern. Consult local NFPA codes to verify appropriate openness and sprinkler locations.

6. Cleaning

Select a mild, non-abrasive cleaning agent typically used for cleaning painted or reflective surfaces. Never use abrasive cleaning agents as such treatments may scratch, mar, alter, discolor, and/or remove the finish.

Before cleaning the finish, perform a trial test on a section of the finish that will be hidden from view once installed. This will ensure that the cleaning agent selected is appropriate and will not damage the finish in question.

Once an appropriate cleaning solution has been selected, care should be taken to use only that amount which is necessary. Do not soak the ceiling components with the solution.

Use a clean soft sponge or cloth when applying the cleaning agent in order to ensure that the applicator does not contain any abrasive elements that may damage the finish in question.

Any excess cleaning solution should be removed immediately so that the solution does not dry and possibly leave a residue. If a large area needs to be cleaned, it's advisable to break the area down into smaller, more manageable sections so that adequate time is available to complete each phase of the cleaning cycle.

After cleaning the soiled or smudged area, wipe the surface with a dry soft cloth to remove any residual cleaning solution and dry the area. Use a clean damp cloth to remove any residue that cannot be removed with the dry cloth. Repeat the drying process.

After the components are clean, allow a few minutes for air drying before installation. It is important that the clean components are dry because other ceiling material, such as ceiling board or insulation, which may come into contact with the cleaned components, can be susceptible to damage from moisture. For additional cleaning information, please refer to Rockfon® "Cleaning and Maintenance Procedures" Tech Note.

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