Rockfon®

Part of the ROCKWOOL Group

Rockfon® Spanair®

Clip-in System

Interior Installation Guide

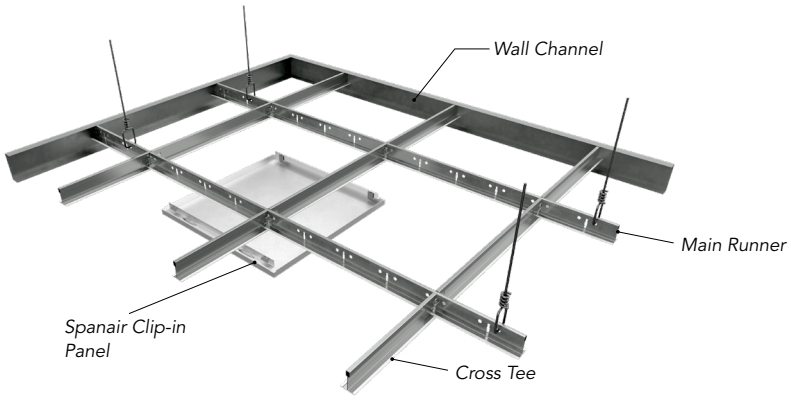
Project – Porsche of the Motor City, Porsche Dealership, MI
Product – Rockfon® Spanair® Clip-in

System Overview

Rockfon Spanair Clip-in panels are offered in both a concealed and semi-concealed system for interior applications only. The Clip-in metal ceiling panels are manufactured with leaf springs and spring clips, designed to allow downward accessibility. They are installed onto existing (for renovations) or new 15/16" grid only and come in panel sizes of 24"x24" or 24"x48".

Note - This system is suitable for use in seismic design categories A-C only.

Download Datasheet



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
- Tech Services: 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.

Installation Conditions

Temperature and Humidity

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

Handling

Panels 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 panels. It is recommended to use clean gloves with a non-marking rubber/latex coating or polyethylene gloves when handling Rockfon metal ceiling panels to avoid contamination. For panels larger than 4' it is recommended that two installers handle the panels when moving or installing into the ceiling plane.

Reference Documentation

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

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

Industry Standard Documentation

- ASTM C636 (Standard Practice for Installation of Metal Ceiling Suspension Systems for Acoustical Tile and Lay-In Panels, **https://www.astm.org/Standards/C636.htm**)
- **CISCA Metal Ceilings Technical Guidelines**
- **CISCA Ceiling Systems Handbook**

Project Specific Documentation

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

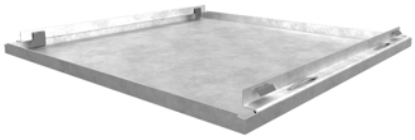
Other Documentation

- **Metal Panels and Planks Brochure**
- **Product Perforation Options**
- **Product Specifications**

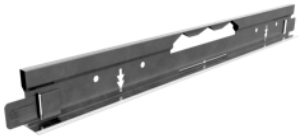
Tools Required

- Laser or leveling device
- Circular saw/jigsaw/electric shears
- Bandsaw
- Marking tool (pencil)
- Pliers
- Clean gloves
- Aviation snips
- Panel removal tool
- Tape measure
- Drill
- Screwdriver (Phillips, Flathead)

System Components



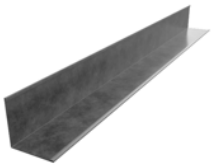
Spanair Clip-in Panel



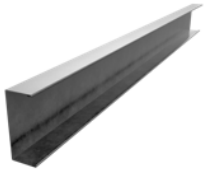
15/16" Main Runner

15/16" Cross Tee

Infinity™ Trim



Wall Angle

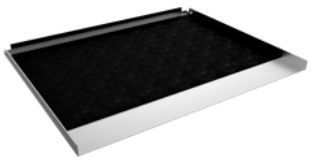


Wall Channel

Bridging Yoke

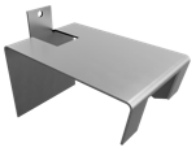
Infinity Attachment Bracket

Hold Down Insert



Acoustical Pads

Wall Springs



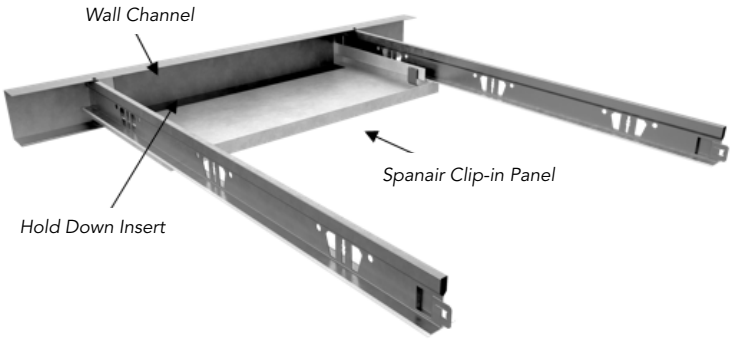
Perimeter Clip

Seismic Perimeter Clip

1. Suspension System Installation

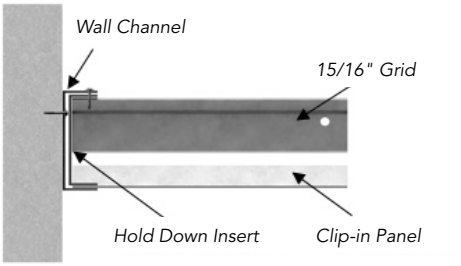
All suspension must be installed per ASTM C636 including local building codes and standards. Special attention should be given to the squareness of the system. Unlike lay-in ceiling tiles, concealed celings are more sensitive to a system being out of square. It is recommended that a system be square within 1/16" over an 8' diagonal. Failure to have a square system will create a poor aesthetic with misalignment in the corners and difficulty in installing the panels. It is also recommended to plan the layout for equal borders and that small perimeter panels less than 1/2 of a panel's width be avoided. Use minimum 12-gauge galvanized steel hanger wire per ASTM C636 for suspending the grid.

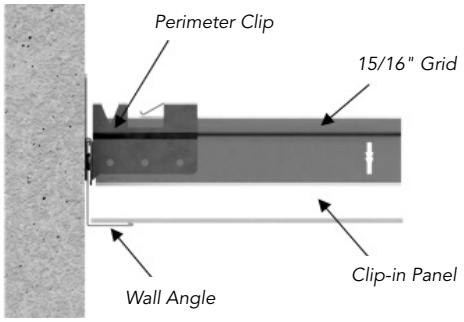
1.1 Secure the specified perimeter treatment (see options below) to the walls using appropriate fasteners. Reference any project documents for proper ceiling elevation. For panels terminating at the walls, 2 1/2"wall channel can be used for new installations. Wall angle is recommended for renovation projects. If using Rockfon Infinity™ perimeter trim for a floating installation, a min 4" height is recommended with the appropriate Infinity attachment clip to establish the proper height of the Infinity trim.

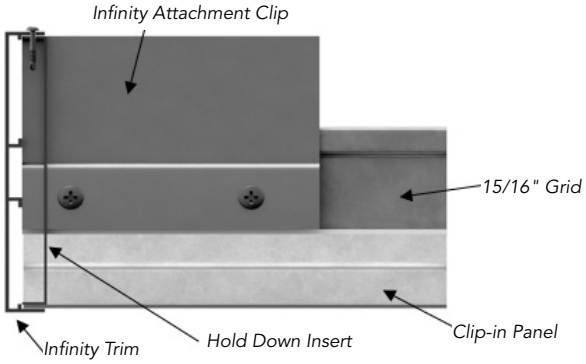


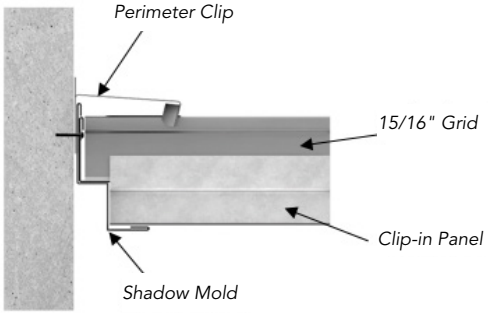
Perimeter Treatment Options

Panel installations that finish at the wall are trimmed out by wall channel, wall angle, or shadow mold. Floating installations are trimmed out with Infinity extruded aluminum trim.



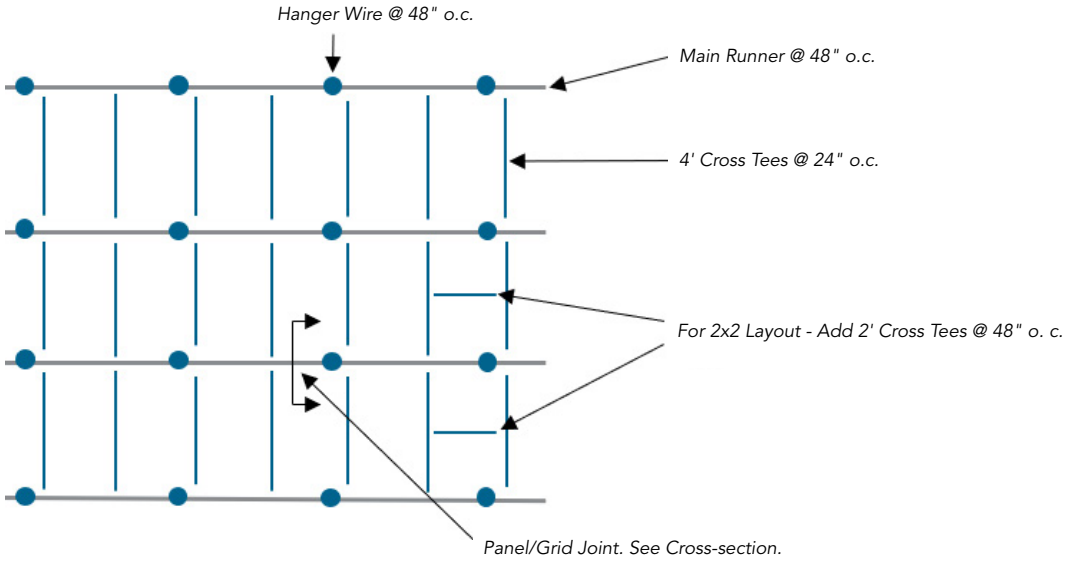




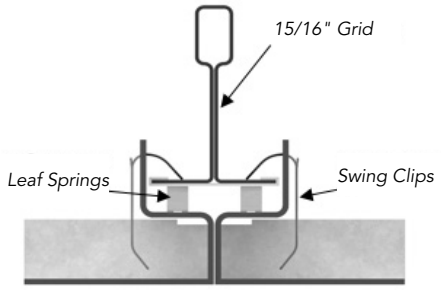


1.2 The installation of 15/16" grid suspension should follow industry standard layouts for 2x2 and 2x4 grid modules. The grid modules should match the panel sizes of 2x2 or 2x4. Main runners are installed at the industry standard 48" o.c. Refer to project drawings for panel layout, if available.

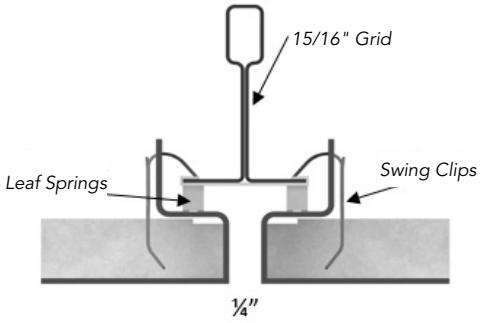
Suspension Layout



Cross-Section Through 15/16" Grid/Panels



SQ Edge Panels at Installed Position



Reveal Edge at Installed Position

2. Panel Installation

Note - Prior to panel installation, double check squareness of the suspension system.

2.1 Install corner pieces first and continue with the remainder of the perimeter panels. For cut panels, determine panel orientation and field cut panels to length.

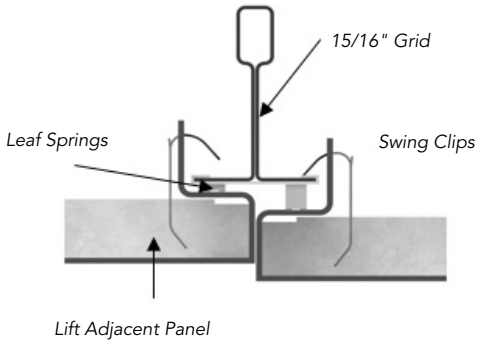
Use hold down inserts to hold the cut edge of the panels in place along the bottom leg of the channel. Use a minimum of one hold down insert per foot of panel width to maintain uniform contact with trim edge. Once the hold down inserts are installed, the perimeter panels are not accessible until the hold down inserts are removed.

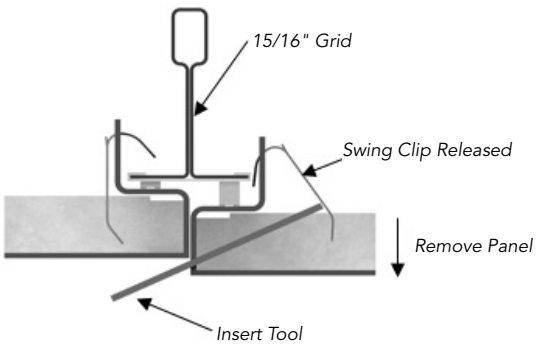
2.2 Continue with the full size field panels. From below, align panel with grid module and push upward until swing clips engage onto the face of the grid.

2.3 Cutting metal panels is often required at wall terminations where full size panels cannot be utilized. This is typically performed using a circular saw or band saw with an appropriate high quality metal cutting blade. Use all required personal protective equipment, as well as all appropriate safety precautions. Use properly sized backer material (foam, ceiling panel, wood etc.) inside the panel. Once the blade is at full speed, slowly cut the panel. Be aware, pushing the saw too quickly will result in sharp edges and a poor cut quality.

3. Panel Removal

Plenum access is often required to service HVAC, Plumbing, and Electrical. This can be achieved by inserting a wire into the access hole to release the swing clip (special tool not required). The swing clip will disengage from the 15/16" grid and the panel can be removed. The system will allow access to the plenum through all panels not restricted by light fixtures, sprinkler heads, etc.





4. Service Integration

Fire sprinkler, speaker holes, etc., can easily be cut with a drill and hole saw. For light fixtures, the preferred type for Clip-in panels are lay in Type G fixtures that sit in the 2x2 or 2x4 module. Recessed can lights can also be used as these types of fixtures are trimmed and hide the cut edges of the metal panels.

5. Cleaning

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

Before cleaning the finish, perform a trial test on a section of the finish which 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 the 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 the applicator does not contain any abrasive elements which may damage the finish.

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

After cleaning the soiled or smudged area, wipe the surface with a dry soft cloth to remove any residual cleaning solution and to 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 to ensure that other materials, such as insulation, which may be susceptible to damage from moisture does not come contact any moisture or damage from the cleaned materials. For additional cleaning information, please refer to our technical data sheet "**How to Clean Painted and Reflective Ceiling Component Surfaces**."

Have Questions?

Contact the Rockfon Technical Services Team by calling **800-323-7164** and we can provide assistance on your project.

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