

Magna T-Cell™ Open Plenum Ceiling

Introduction

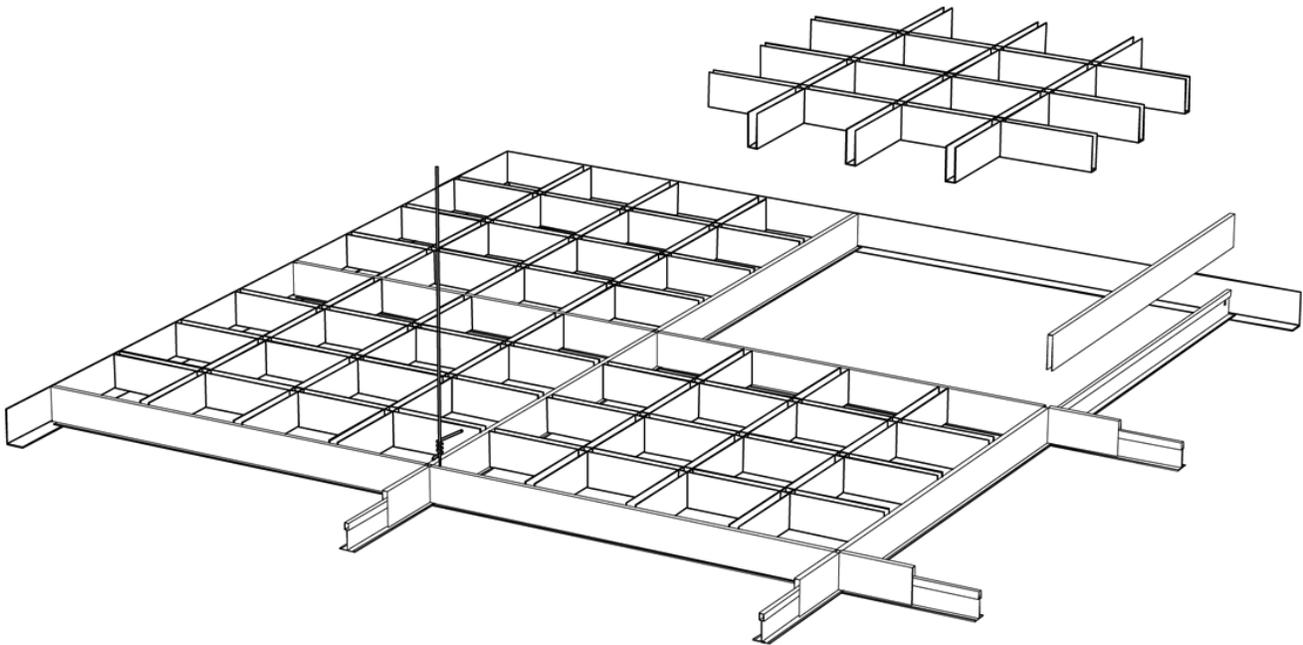
Always follow good safety practices. Metal edges are sharp, take appropriate precautions. Prior to beginning the installation ensure that all materials are received and in good condition. Record any shipping damage on the carrier's bill of lading and contact ROCKFON immediately to order replacement material by emailing cs@rockfon.com. Fax replacement material orders, including a purchase order number to 866.211.3824. For technical questions, contact Tech Services 800-323-7164, prompt 3.

Tools needed:

- Slot screwdriver
- Phillips screwdriver
- Tape measure
- Level or leveling device (laser)
- Marking tool (pencil)
- Clean gloves
- Square nose side cutter (for hanger wire installation)
- Aviation snips (if cutting is required)

Supporting Documentation:

- Reflected Ceiling Plan (RCP)
- Project Specifications
- ROCKFON System Drawings (*website*)
- Datasheet (*website*)
- Approved Shop Drawings (*if applicable*)
- ASTM C636 (*reference document available from ASTM*)



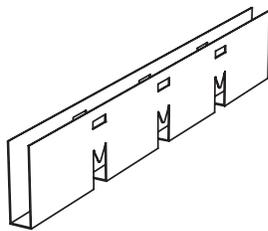
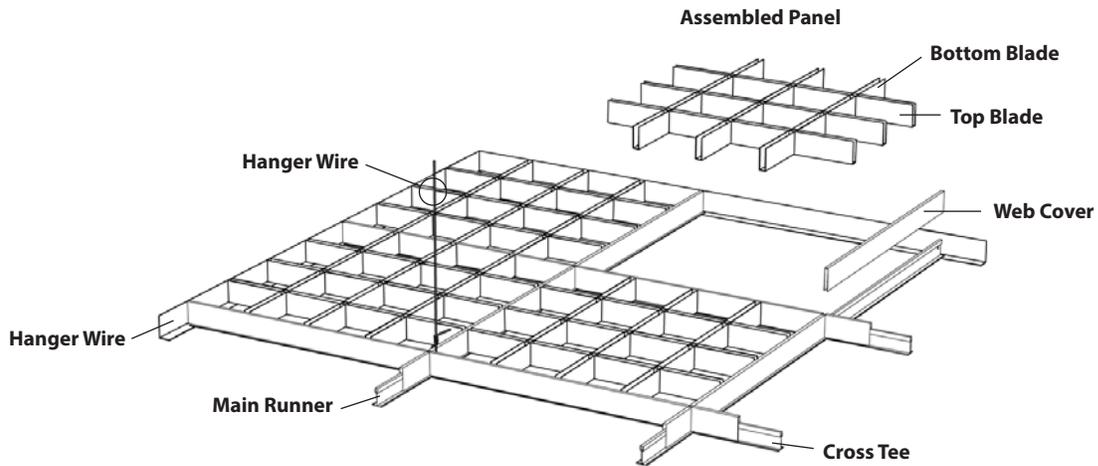
This drawing depicts a 24" x 24" module.

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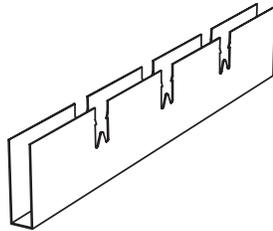
1. Preparation

1.1 Verify weather tightness of the area and begin installation only after wet trades have completed their work and temperature and humidity conditions closely approximate interior conditions which will exist when the area is complete and occupied.

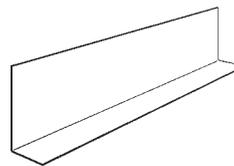
1.2 Locate and review the project installation drawing, RCP, Project Specifications, and associated details.



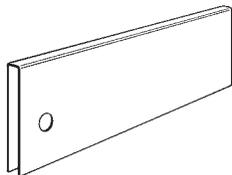
Top Blade



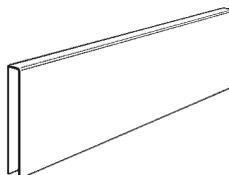
Bottom Blade



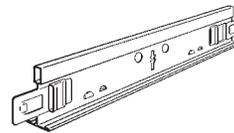
Wall Angle



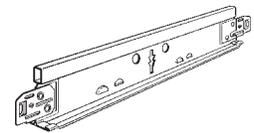
Web Cover with Hanger Hole



Web Cover



Main Tee



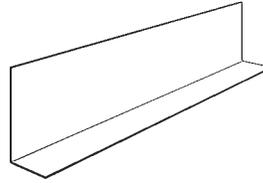
Cross Tee

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2. Wall Angle

- 2.1 Locate and install Wall Angle at required locations and elevation.

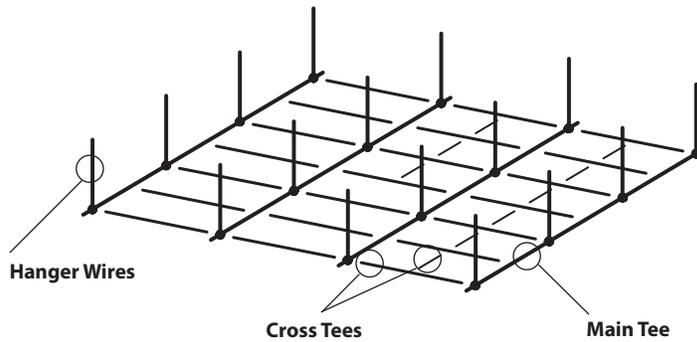
Note: Wall angle is painted 360°



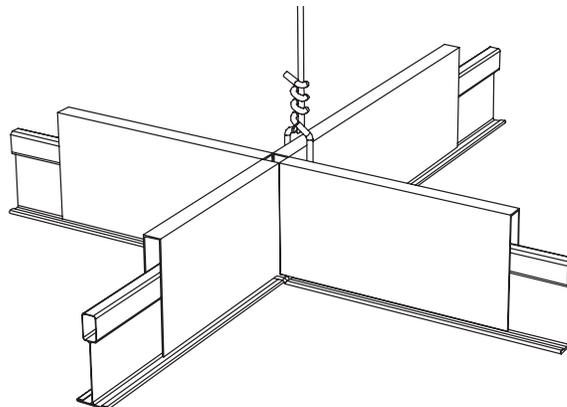
3. Hangers

- 3.1 Locate hanger wire drops and ensure that they will be positioned on the Main Runner at Cross Tee intersections.

Note: Hanger wires are typically not included with Magna T-Cell and must be ordered separately.



3.1 Position Hanger Wire



Install Web Covers

Installation Guide

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Note: This system is based on 9/16" grid system

4. Grid Suspension and Web Covers

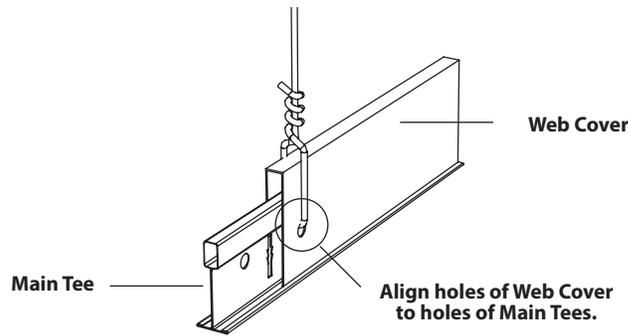
- 4.1 Locate 12' long Magna T-Cell Main Runner 48" O.C. and install per ASTM C636.

Install Web Covers with holes over the top of Main Runner at hanger locations. Align holes in the Web Covers with hanger holes in the Main Runner. Install hanger wires through the holes.

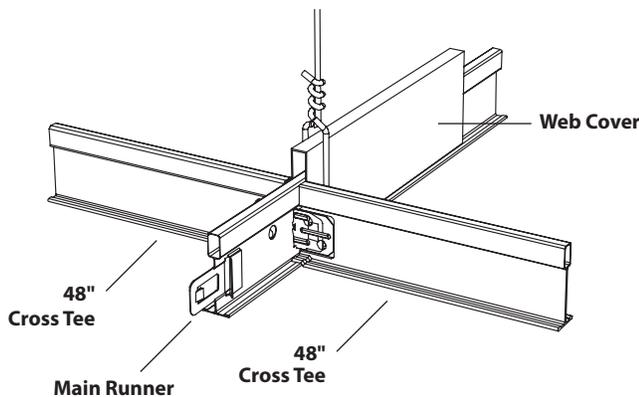
- 4.2 For 24" x 48" modules, install 48" long Cross Tees perpendicular to Main Runners every 24" O.C. (48" O.C. for 48" x 48" modules) ensuring tees are located at hanger wire drops.

- 4.3 For 24" x 24" modules, install 24" Cross Tees perpendicular and at midpoint of every 48" cross tee.

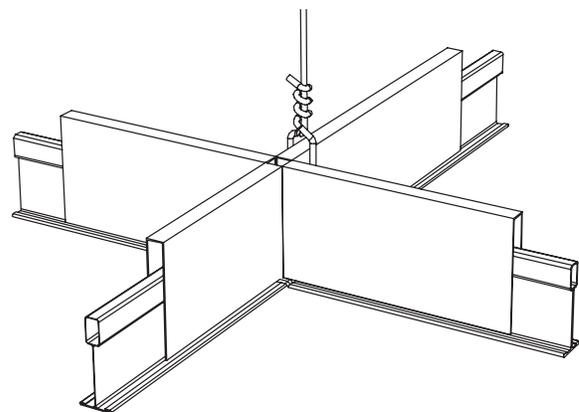
- 4.4 Install Web Covers without holes over the top of Cross Tees and Main Tees not requiring hanger wires.



4.1 Align Component Hanger Holes



4.2 24" x 48" Modules



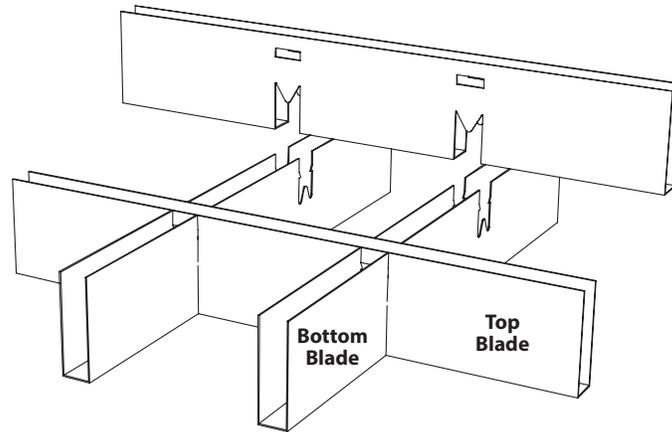
4.4 Install Web Covers

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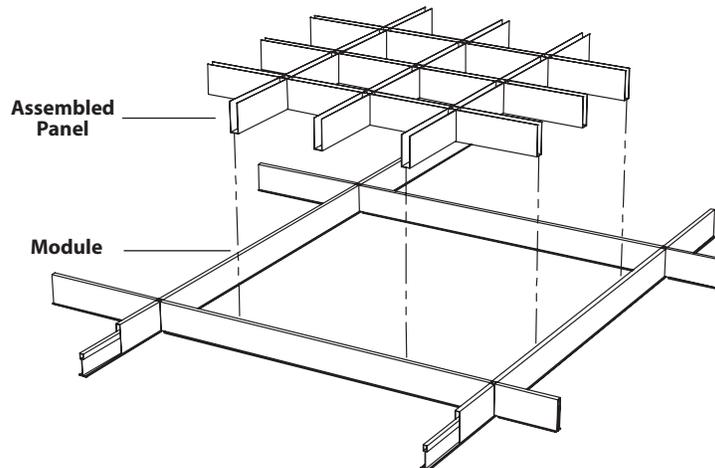
5. Panels

- 5.1 Install assembled panels into the 24" x 24", 24" x 48" or 48" x 48" module created with the grid suspension and web covers.
- 5.2 If blades include strippable plastic film, remove before assembly.

- 5.3 If unassembled blades are used, build panels by interconnecting top and bottom blades together. Blades include notches that accept opposing parts. Work on a clean flat surface and handle with care.
- 5.4 Panels can be cut using aviation snips if needed.



5.2 Build Panels

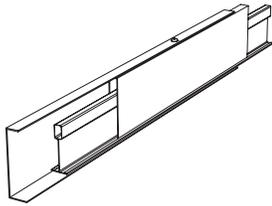


5.3 Install Assembled Panels

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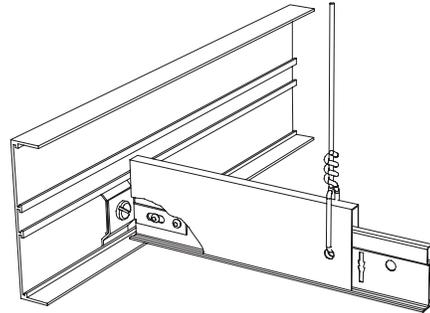
6. Floating Perimeters

6.1 If using Edge Cap, install along grid over top of Web Covers. Secure with pop rivet (by others) or #7 self-drilling screw.



6.1 Using Edge Cap

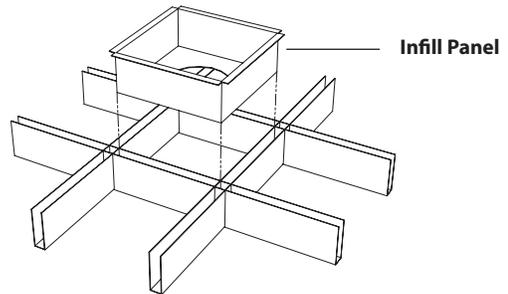
6.2 If using Infinity™ Perimeter Trim (painted 360°), install as shown on approval drawings, if provided. Install additional hangers as needed. Coordinate Infinity orders with ROCKFON Customer Service.



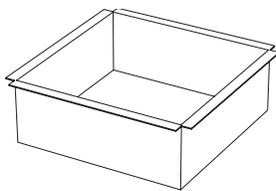
6.2 Using Infinity Perimeter Trim

7. Accessories

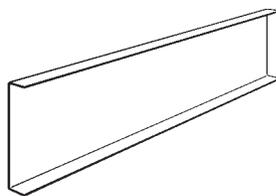
7.1 Install infill panels as indicated on project plans. Coordinate size of hole needed for sprinklers or light fixtures with ROCKFON Customer Service.



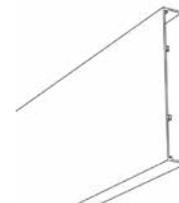
7.1 Infill Panel



7.2 Infill Panel



7.3 Edge Cap



7.4 Infinity

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8. Cleaning

- 8.1 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.
- 8.2 Before cleaning the finish, perform a trial test on a section of the finish that will be hidden from view once installed. This will insure that the cleaning agent selected is appropriate and will not damage the finish in question.
- 8.3 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.
- 8.4 Use a clean soft sponge or cloth when applying the cleaning agent in order to insure that the applicator does not contain any abrasive elements that may damage the finish in question.
- 8.5 Any excess cleaning solution should be removed immediately so that the solution does not dry and possibly leave a residue. In the event that 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.
- 8.6 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.
- 8.7 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 insulation, which may come into contact with the cleaned components, can be susceptible to damage from moisture.