

## **Averve Railset Web**

# **INSTALLATION INSTRUCTIONS: Wall & Ceiling**

### **INSTALLATION OVERVIEW**

1. Review Railset Specification
2. Become familiar with the Project Shop Drawings and Railset Details
3. Match material list of Bill of Lading to the material list in Shop Drawings
4. Inspect Railset components for correct finish and quantity
5. Report to manufacturer any discrepancies or error in Railset shipment within 5 days of receipt of order.
6. Report any shipping damage to carrier upon receipt of material.
7. Screws to mount the Railset assembly to the wall structure to be provided by the installer. All Railset components and machine screws for assembly of Railset to be provided by the manufacturer.

### **Pre-Installation Notes**

1. Cut all aluminum extrusions with carbide tip nonferrous metal cutting saw blade. Wear safety goggles.
2. Remove burrs from cuts to aluminum extrusions.
3. Consider pre-assembling frames off ceiling and walls, when possible, to expedite job site installations.
4. Pre-Assemble Railset frames on a flat and level surface (4' x 10' x  $\frac{3}{4}$ " plywood) set on saw hoarse legs.
5. Review shop drawing detail pages to become familiar with assembly hardware.
6. Ensure pre-assembled frames are square. Take diagonal measurement from frame corner to corner. Diagonal dimensions must have a tolerance of  $\frac{1}{16}$ " +/-.
7. Flat Head and Phillips head 4mm SS screws to fix aluminum components to rails are provided by manufacturer.
8. Screw fasteners for fixing hardware to building structure and to panels are to be supplied by others.
9. Locate the Railset installation locations and cross reference the construction bid documents with the approved shop drawings.
10. Mark wall stud and ceiling joist center lines.

### **RAILSET FRAME INSTALLATION**

1. Set laser plumb line to ensure level horizontal rail placement.
2. If pre-assembled frames are used, start both wall and ceiling installations with a key frame. Reference the shop drawings for position and spacing. The frame will set the alignment of all horizontal rails. Individual extension rails can then follow the key frame set up. Reference the shop drawings for placement of vertical rails and how they attach to the horizontal rails. Tack screw the frame to the structure with enough pressure to secure the frame. Do not tighten screws until the area of application is completed. Level and plumb the assembly with shims inserted behind wall mounts.

3. If assembly is stick built, review the shop drawings for rail placement and the required component position on rails such as wall mounts and attachment sleeves. Start the assembly at the bottom of the installation at a wall base or at the edge of the ceiling. Reference shop drawings for position and spacing. Place the first horizontal rail with a laser line to ensure level position. Reference shop drawing for attachment detail. Tack screw the rail to secure it. Shims by others if required will be inserted to level and plumb the assembly.
4. The Railset Web has horizontal and vertical rails. The horizontal rails carry the wall mounts for fixing the web to the structure. The vertical rail placement aligns the horizontal rails and splice the horizontal rail runs. Vertical rails are not fixed to the structure.
5. Outside corner extrusions are a true 90degree angle. They are secured to the horizontal rails with edge sleeves, see shop drawing detail.

### Decorative Panel Hardware

1. Panels are secured to the Railset Web with both cleats and clips. Refer to the shop drawing details for where to use either option.
2. Panel cleats are screw fastened to the back of the panel with screws by others. When a clip is used at the end of a ceiling panel and rail, the clip has a hole that accepts a 4mm screw to secure it to the rail so that the panel does not shift or fall out of the frame.
3. Panel cleats require no screws on wall applications. Clips used on ceiling applications have one screw hole to secure the clip to the rail with a 4mm screw after the clip is inserted in the leading panel kerf. This secures the panel from shifting or falling out of the frame. Flanges on the clip mate with panel kerfs and with the screw boss reveal in the horizontal rail.
4. Certain panel end locations have a panel edge trim detail. Reference the shop drawings for locations and the details for assembly.

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