

WPS

WALL PANEL SYSTEMS INC.
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BEFORE YOU BEGIN INSTALLATION:

This installation instruction is valid for the following systems:

Shadowline System - SHA
Open Reveal System - ORS
Captured System - CAP
Cleanroom System - CLR

Take a few moments to get familiar with your shop drawings. Check that the dimensions match the existing conditions. Notice that all panels will have a label on the lower right hand side. This label will correspond with panel labels on the shop drawings.

Set up your laser level and check the surfaces to be clad with the WPS system. Verify that the walls, corners, floor and ceiling are level and plumb. If they are not, this is the time to make corrections to the wall before you begin installation. WPS panel systems need to be installed flush and plumb to ensure the professional look we strive for.

Throughout installation, keep in mind that trim peices will come in 10' length. Install them in the longest possible lenth that an area will support and be sure to screw them into studs or other structural backing. Never use a peice that is only screwed in at one point.

To affix trim to the stud substrate we recommend #8 x 1-1/2" Pan-head screws. We do not recommend using counter-sunk screws. For attachment to concrete backing, we recommend 1/4" x 1 3/4" Hex Washer Tapper Concrete Screws.

We recommend **Tenryu LTD. - Silencer**. Carbide tipped saw blade (7.25" x 52T x 5/8" Rake 18 degrees, top 10 degrees, face 15 degrees)

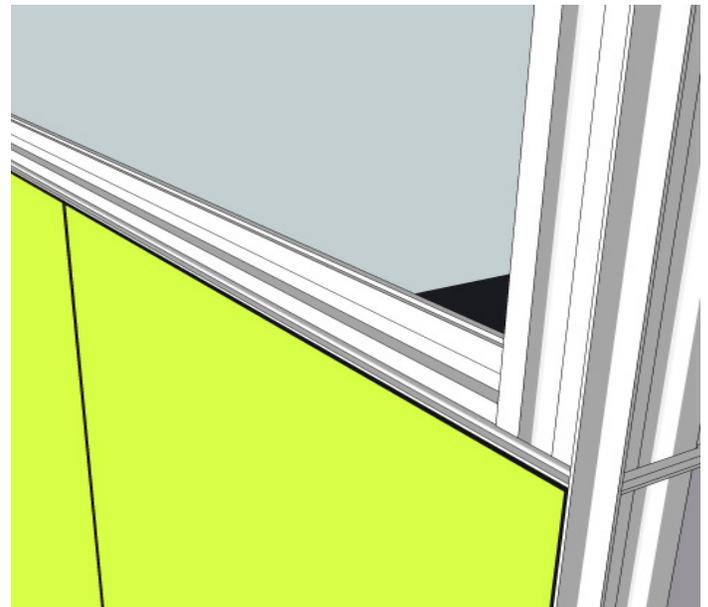
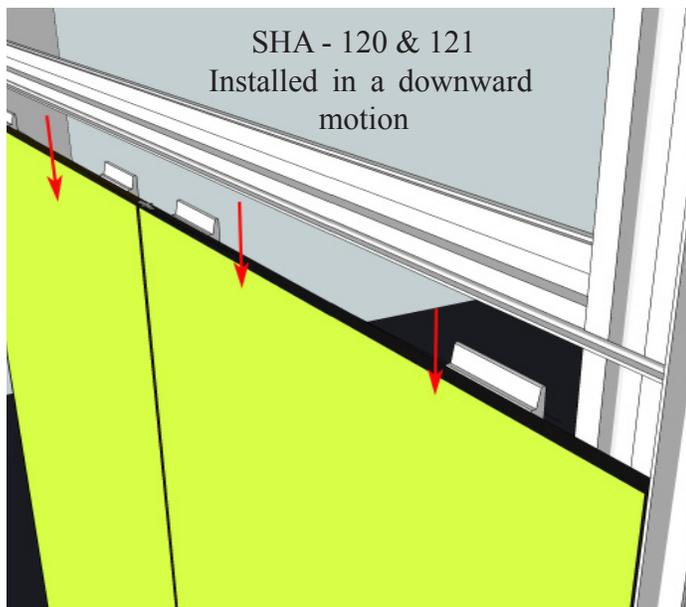
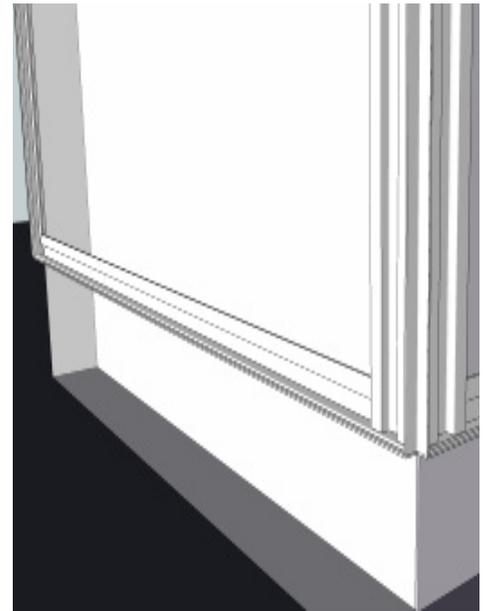


INSTALLING YOUR WPS SHADOWLINE SYSTEM:

STEP 1: Begin by installing the perimeter trim. Corners, edges and horizontal joints will have to be notched to for a clean visible joint. Cut and file these notches to form clean, tight joints. When a piece turns a corner, miter joint the trim together and file any sharp edges with an appropriate sandpaper

STEP 2: Once the trim perimeter is complete, find the panel that corresponds to the wall and area to be installed. You will notice that the panel comes complete with panel clips installed.

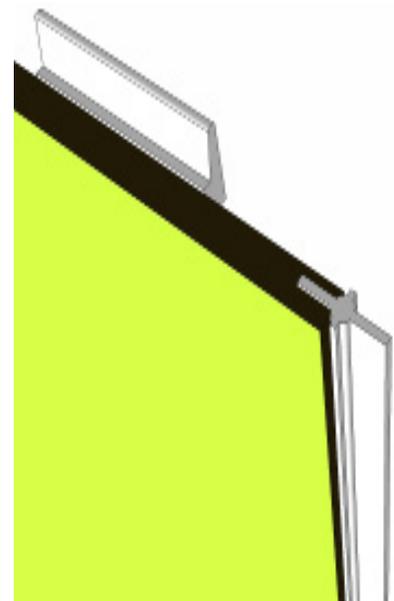
Check that the panel has a kerf along the vertical joints per the shop drawings. Find the vertical joint and trim it to the height of the panel.

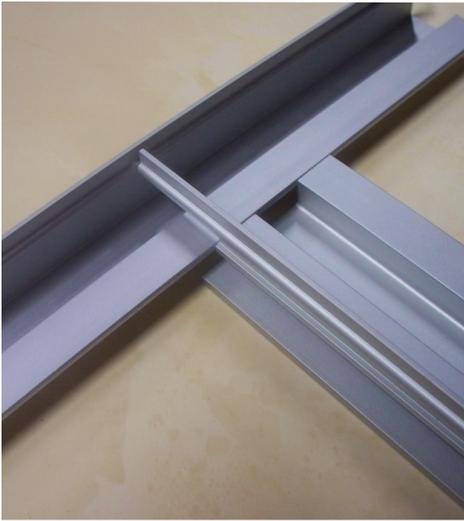


STEP 3: Place the panel against the wall so that the clips are above each respective trim and set the panel into its joints. Slide the vertical joint piece (SHA-110) into the curf according to the details in the shop drawings.

STEP 4: Repeat this for all bottom panels. Slide each panel over after setting it on the rail so that splines with the vertical joint of the previous panel. The last panel will slide into place from the top, align the vertical joint and the edge joint with its respective attachment to the panel. It will be a tight fit, but that makes a nice clean joint.

The last panel of a row will usually require a field cut. This is to ensure an exact fit against both ends of the wall.

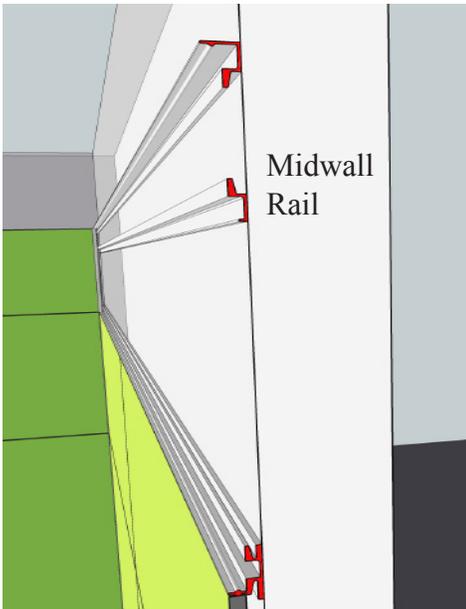




STEP 5: It is time to install the horizontal joint (SHA-120). Measure and cut the trim to fit between both edges of the wall. At each edge of the wall, the horizontal joint will have to be notched so that it joins with the vertical trim. Place the trim along the top of the installed panels and slide it down to lock with the panel clips per the details.

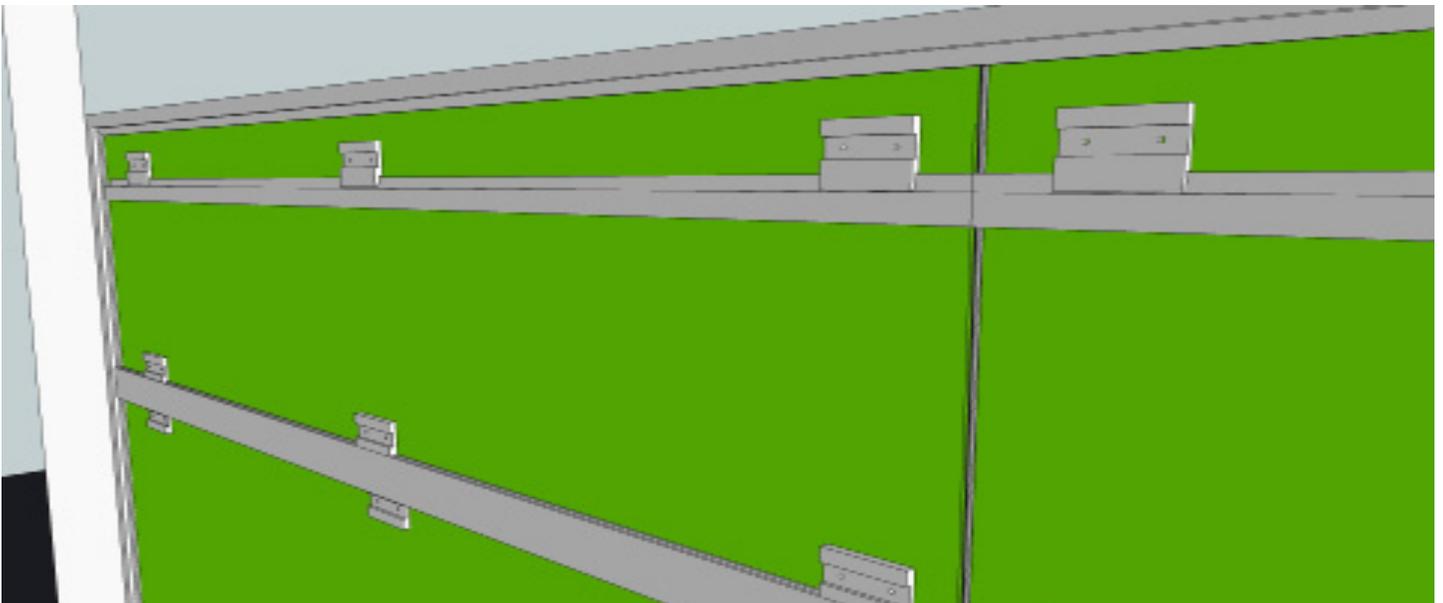
See opposite

Screw this peice to the wall at each stud.

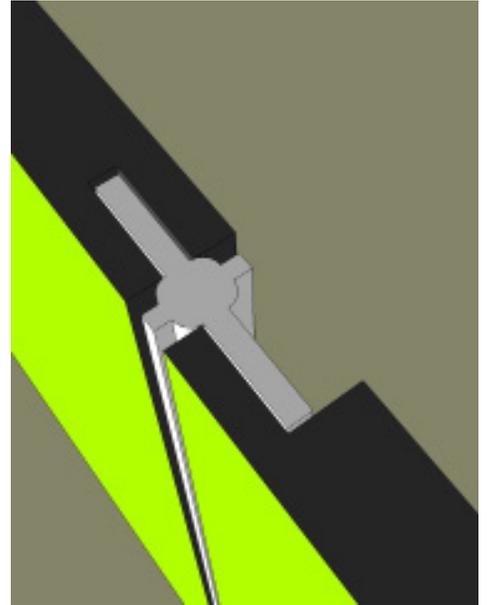


STEP 6: Repeat steps 2 through 6 until you reach to top row of panels.

STEP 7: When you come to the top row, you will notice that panels have at least two rows of clips. you will need to install a midwall rail that matches these panels. Once the rail is installed you will be able to drop each panel into place.



STEP 8: When you come to the last panel, you will notice that it has a dado groove along one side. This is to allow the spline joint to sit along that edge.



ALTERNATE INSTALLATION:

The Shadowline system offers many ways of installation. For example, on a wainscot application, leave the top edge (SHA-101) off until all panels are in place. Then glue and slide the top edge into place.

If the gap between the ceiling and the top of the panel is less than 3/8" and the top panel is less than 30" tall, you may use VHB tape and silicon glue to attach the top panel to the aluminum trim in lieu of the top clip.

Lastly, remember that we can always create custom details here at WPS to solve any problematic situations that you may encounter.

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