One-Directional Curvatura[®] 3-D System

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Before beginning installation of the CURVATURA One-Directional Ceiling System, check the enclosed bill of materials to ensure that all parts and components are present and undamaged. Read all installation instructions first and familiarize yourself with the system's parts and components. This is extremely important because *parts will become permanently damaged* if they are installed incorrectly! To help with identification, all parts are poly-bagged and labeled. Parts and components may include some or all of the following:

Parts and Components	May include some or all of the following:	Installation videotape	Bill of Materials (B	Bill of Materials (BOM)	
		Flush-Cut Main Tees for Termination	Vault, Valley, and/	or Straight Main Tee Segments	
		valit the second secon	D stamp	valley flush cut end	
		Main Tee Splices Termination Cross Tees		Tees	
			(1) • ~		
		Stabilizer Bars	28 x 68 Curvatura	28 x 68 CURVATURA One-Directional Panels	
		24"	233/4" 72"		
		CURVATURA Panel Joint Splices	Edge Trim (if spec	Edge Trim (if specified on BOM)	
		23"		vault	
		Edge Trim Fascia Splices Edge Trim Fascia Splices (if specified on BOM)	Edge Trim Corner Clips if specified on BOM)	CURVATURA Wall Attachment Clip (if specified on BOM)	

Step 1: Install First Row of Main Tees

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Step 1: Install First Row of Main Tees



Lay the main tees out on the ground as they will be arranged in the installation.



Establish where each hanger wire will be attached.



Once you have established where each hanger wire should go, pre-hang the first row of hanger wire.



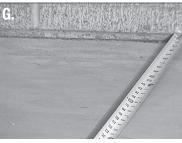
Each hanger wire should fall in line with a pre-punched hanger hole. Because the tees are curved, the space between hanger wires will vary along the main tee.



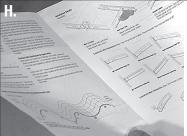
Main tees may require field punched hanger holes several inches from their termination to allow adequate support and leveling capabilities



Find a corner starting point based on locations specified on your architect's plans or by scaling from a working drawing.



It's best to start at a point near a wall or column that can be used for reference and support.



Refer to the bill of material and ribbon drawing and locate the appropriate flush-cut main tee to start the first row of main tees.

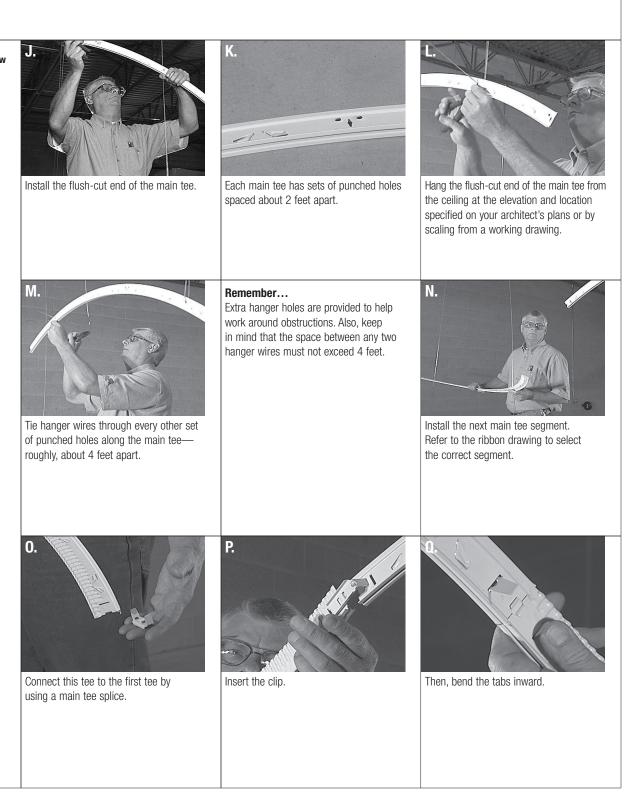


For your reference, part ID codes are listed on the ribbon drawing and stamped on the ends of each main tee.

Step 1: Install First Row of Main Tees

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Step 1: Install First Row of Main Tees (continued)



One-Directional Curvatura Installation Instructions

Step 1: Install First Row of Main Tees

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Step 1: Install First Row of Main Tees (continued)



Install main tees and hanger wires one segment at a time until the entire row is complete.



Be sure to use the appropriate flush-cut main tee at the end of the row as specified on the ribbon drawing.

Remember...

The integrity and accuracy of the first row of main tees will ultimately determine the quality of the completed installation so be sure to check the integrity of the completed row.

Tip: Extra care at this point will prevent alignment problems throughout the rest of the installation.



Examine the completed row from the side to ensure that the hanger wires are plumb.



Wires should hang straight and plumb within 1 in 6, about 10 degrees. If hangers need to be relocated, move them now.



Examine the completed row end-on. It should be straight with no waves. If you need to install additional hanger wires, install them now.

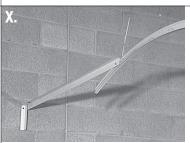
Tip: If necessary, you can punch or drill extra hanger holes into the main tee to ensure plumb wires.

Important...

You will be using this first row of main tees as a template for hanging subsequent rows, so take extra care to ensure proper wire spacing before moving on.



Examine the row of main tees from the side again. The curve of one tee should flow smoothly into the curve of the next. If the curves are not flowing smoothly, adjust the hanger elevations either up or down at the joints.

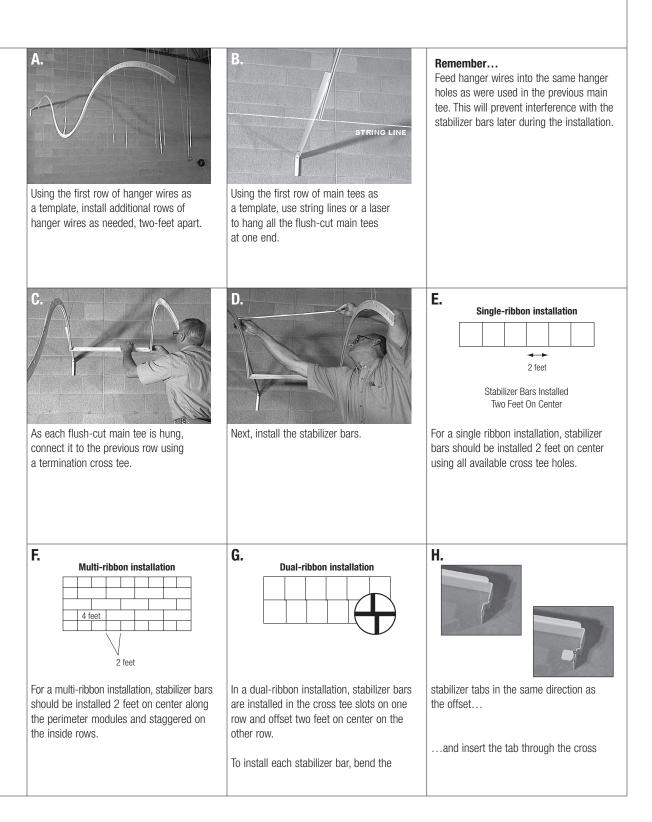


It's important that the first row of main tees remains stable during the entire installation process. So, as a final step in this first part of the installation, install temporary bracing to the ceiling or walls, if necessary, to ensure that the row remains straight and rigid.

Step 2: Install a Row of Flush-Cut Main Tees

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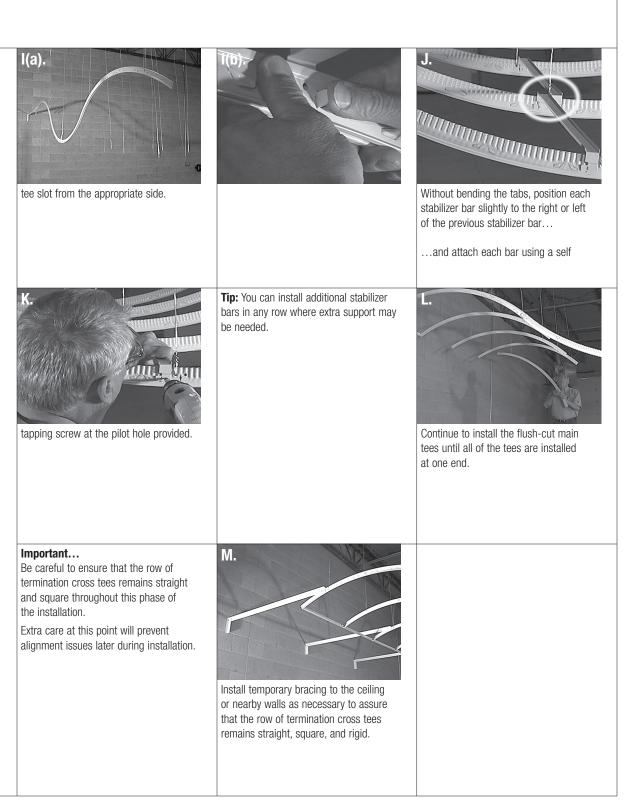
Step 2: Install a Row of Flush-Cut Main Tees



Step 2: Install a Row of Flush Cut Main Tees

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Step 2: Install a Row of Flush-Cut Main Tees (continued)



Step 3: Install Remaining Grid

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Step 3: Install Remaining Grid



Using the first row of main tees as a template, use string lines or a laser to install the remaining main tees.



Install the stabilizer bars according to your specific installation as reviewed previously.



Install termination cross tees at the opposite ends of each row as indicated on the ribbon drawing.



Tightly wrap the ends of each hanger wire to prevent them from being seen from the side after the entire installation is complete. **One-Directional Curvatura Installation Instructions**

Step 4: Install Panels

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Step 4: Install Panels



Note that some panels may be directional. These panels will be marked on the back and should be installed appropriately.



Insert a CURVATURA one-directional panel into the first row by sliding it under the stabilizer bars...



...and pulling or threading it all the way until it butts up against the termination cross tee.



If you're using a full panel, cut off the upturned flange on the one end. This will make clearance for the hold-down tabs on the termination cross tee.



Use a screwdriver blade to bend in the hold-down tab on the termination cross tee and lock the panel into place.

Do not bend the hold-down tabs on the main tees at this time.



Slide the next panel into the row...



... and press a panel joint splice onto the joint.



Repeat the process until reaching the end of the row.



Finish the row by cutting a panel to fit into the last opening.

Step 4: Install Panels

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Step 4: Install Panels (continued)



Most aluminum panels can be cut using a straight edge and a sharp drywall knife.



Make a deep score with the drywall knife...



...and bend the panel back and forth to break it along the score.



After the entire row of panels has been installed, bend the main tee hold-down tabs to lock the panels against the main tee.



Bend as many hold-down tabs as necessary to eliminate all gaps between the panels and main tees. Be careful not to overbend the tabs as this could damage the panel.



If a particular joint does not lie flat against the main tee, cut a short piece of panel splice about 4 to 5 inches long from the extra splices provided. Slide one end under a nearby hold-down tab and wedge the other end over the top of the splice.

Remember...

Once the hold-down tabs are bent, the panel positions and grid will be locked be sure to inspect the installation to ensure that the grid is square and the panels are flat before locking.



Start the next row of panels with a cut panel...

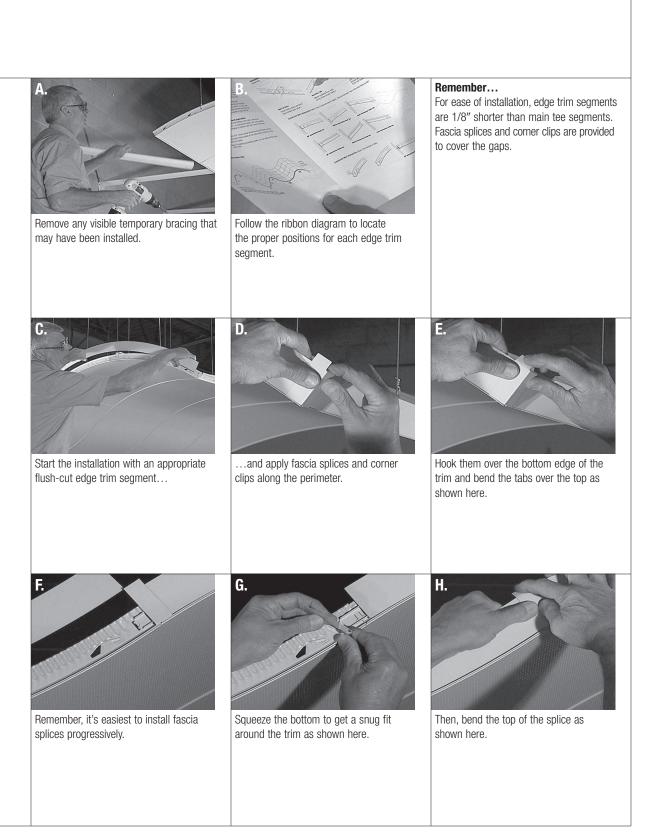


...so that the panel joints are staggered from one row to the next. Repeat this process for every other row. Panel remnants can also be used for this.

Step 5: Install Edge Trim

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Step 5: Install Edge Trim



Step 5: Install Edge Trim

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Step 5: Install Edge Trim (continued)



Finally, screw attach each edge trim segment by applying number-six by three-eighths self-tapping screws in at least two integral attachment clips at either end.

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