Linear Wood - Continuous Linear Wood with Screw-In Holding Clip

1. Prior to installation please check and verify that all required components have been received. Using the attached drawings identify all components received.

2. Check and verify the quantities of components received against the quantities required for the project.

Note: All T bar grids utilized for the mounting of Linear Wood Products must be installed to support the loading applied to the structure by the Linear wood components. All main “T’s” will be on 2'-0" centers with hanger wires located at no more than 4'-0" spacing's. All cross “T’s” will be located on 2'-0" centers.

Screw-in Type Holding Clip

Self Tapping Screw
#8 x 1"
(To be Supplied by Others)

Self Tapping Screw
#8 x 3/8"
(To be Supplied by Others)
3. Preferred Typical Start / Finish detail utilizing wall angle and holding clip with one support tab removed.

4. Typical Start / Finish detail utilizing wall angle, wood blocking and finishing nail inserted by the installer.
5. The ceiling plank is aligned with tabs on screw-in holding clips and slid into position on T bar support grid. Fasten plank to heavy duty T bar with screw-in holding clips.

6. Detail of the linear wood plank secured to heavy duty T bar support grid with screw-in holding clips. Holding clip is attached to T bar grid with #8 Self tapping screws.
7. Using a driver drill, fasten the screw-in holding clips to the heavy duty T bar grid rail with #8 Self tapping screws. The holding clips support the linear wood planks as well as maintaining a consistent 3/4" spacing between ceiling planks.

Detail - Fastening of Screw-in Holding Clip To Heavy Duty T bar Support Rail

Note: Ceiling shown features a 1/8" reveal between plank groupings. For continuous plank ceiling installations utilizing butt end detail 8.
8. Continuous linear wood installations require the use of clipping hardware to maintain the end of planks consistent with the installation. See detail below.

Note: for continuous plank ceiling installations utilizing butt end connections make the connections on a T bar cross rail utilizing the standard attachment clip hardware.

- #8 Self tapping screw
- Slotted Progressive wood plank
- Allow a 1/8" reveal between planks to allow for expansion

Detail-Plank Alignment Detail for use with continuous Plank Installations.
Cutting of Linear Wood Product Planks and Blades

When Cutting Linear Plank or Linear Grille Products it is important to use equipment that will not tear or chip the wood veneer components. Traditional woodworking tools are suitable for cutting Linear Wood and Grille Ceilings. Decoustics recommends using large diameter chop saws or radial saws having a carbide tipped blade with a sharp, thin-kerf, 80 tooth - at 10" (254mm) diameter - and alternating 40 degree bevel. Cut products with face up to avoid scratching. Make certain that the cutting tool has adequate depth of cut to pass through the products height.

Note: A traditional table saw would require the plank to be cut much slower to avoid tear-out or chipping. If cutouts are required for round fixtures, Decoustics recommends a router and template method using a quality spiral-down carbide flute cutting bit.

When cutting metal components it is recommended to utilize the appropriate tool such as a metal cut-off saw, hacksaw, or hand grinder with cut-off blade.

Finishing of Cut Ends - Linear Wood Product Planks and Blades

Cutting through Linear Plank or Linear Blade rails will expose the mdf core material. It is recommended to finish the cut ends to seal the core material. There are several recommended ways of finishing the cut end:

1. Spray or brush coat the exposed ends of the Linear wood product with a high quality clear washable low sheen lacquer coating (recommended). Such products are available at most hardware or building supply outlets.

2. Pre-finished veneer material with a self adhesive backing is available upon request at additional cost. The pre finished veneer can be cut to the desired size and adhered to the cut ends utilizing the self adhesive backing. Once attached to the Linear wood product the excess material can be trimmed with a knife or sanded flush to the exterior profile of the cut end.

Note: We recommend that any installations of Linear wood products be done under the supervision of a qualified and experienced individual with a good thorough knowledge of wood working and cabinet building techniques.

ENVIRONMENT: Linear wood panels must be stored, installed, and maintained only in a stable ambient environment (relative humidity of minimum 35% - maximum 55%, temperature to be maintained between 20 -27ºC (68-80ºF))
Linear Wood and Wood Grille panels must be allowed to stabilize on site for 72 hours prior to installation

Special Services and Client Support

Linear wood products are purchased on the understanding that the materials supplied to our clients are a commodity type product. Decoustics can provide basic customer support related to the installation of Linear wood products.

For installations involving the customization of Linear wood products Decoustics can provide design and fabrication services at additional cost.
Linear Wood - Continuous Linear Wood with Screw-In Holding Clip and Felt Fiber Infill Strip

1. Prior to installation please check and verify that all required components have been received. Using the attached drawings identify all components received.

2. Check and verify the quantities of components received against the quantities required for the project.

Note: All T-bar grids utilized for the mounting of Linear Wood Products must be installed to support the loading applied to the structure by the Linear wood components. All main "T's" will be on 2'-0" centers with hanger wires located at no more than 4'-0" spacing's. All cross "T's" will be located on 2'-0" centers.

Self Tapping Screw
#8 x 1"
(To be Supplied by Others)

Self Tapping Screw
#8 x 3/8"
(To be Supplied by Others)

Screw-in Type
Holding Clip

Felt Fiber Infill Strip
1 1/2" Wide x 1/8" Thick
96" Lengths
3. Preferred Typical Start / Finish detail utilizing wall angle and spliced wood plank (as shown).

4. Typical Start / Finish detail utilizing wall angle, wood blocking and finishing nail inserted by the installer.
5. Linear wood ceiling plank and felt fiber infill strip are aligned with tabs on screw-in holding clips and progressively slid into position on T bar support grid. The plank is then fastened to heavy duty T bar with screw-in holding clips. Note: The felt fiber infill strip finishes off the ceiling reveal.

6. Detail of linear wood plank secured to heavy duty T bar support grid with screw-in holding clips. Clip is attached to heavy duty T bar grid with #8 Self tapping screws.
7. Using a driver drill, fasten the screw-in holding clips to the heavy duty T bar grid rail with #8 Self tapping screws. The holding clips support the linear wood planks as well as maintaining a consistent 3/4" spacing between ceiling planks.
8. Continuous linear wood installations require the use of clipping hardware to maintain the end of planks consistent with the installation. See detail below.

Note: For continuous linear ceiling installations utilizing butt end connections use screw in type assembly clip hardware.
Panelized Linear Wood ceiling installed on heavy duty T bar grid complete with 3/4" (19mm) reveal between plank sections.

1. Prior to installation please check and verify that all required components have been received. Using the attached drawings identify all components received.

2. Check and verify the quantities of components received against the quantities required for the project.

Note: All T-bar grids utilized for the mounting of Linear Wood Products must be installed to support the loading applied to the structure by the Linear wood components. All main "T's" will be on 2'-0" centers with hanger wires located at no more than 4'-0" spacing's. All cross "T's" will be located on 2'-0" centers.

To Install Linear Wood Cross Piece Grille panels it is recommended to use black coated Sheet Metal Screws #8 x 1 1/2" (to be supplied by others)
3. Preferred Typical Start / Finish detail utilizing shadow mold (as shown).

4. Typical Start / Finish detail utilizing wall angle (as shown).

5. Typical Start / Finish detail utilizing wall angle and wood blocking.
6. Panelized linear wood panels are positioned on the T bar support grid. The panelized assembly is then fastened to heavy duty T bar with #8 Self tapping screws through the pre drilled holes in the cross rail.

Detail - Mounting of Panelized Linear Wood Panel to Heavy Duty T Bar

- Metal cross rail support complete with pre drilled mounting holes to allow attachment to heavy duty T bar grid.
- Driver drill to screw #8 Self tapping screw into heavy duty T bar rail.

Note: Ceiling shown features a 3/4" (19mm) reveal between plank groupings.
Cutting of Linear Wood Product Planks and Blades

When Cutting Linear Plank or Linear Grille Products it is important to use equipment that will not tear or chip the wood veneer components. Traditional woodworking tools are suitable for cutting Linear Wood and Grille Ceilings. Decoustics recommends using large diameter chop saws or radial saws having a carbide tipped blade with a sharp, thin-kerf, 80 tooth - at 10" (254mm) diameter - and alternating 40 degree bevel. Cut products with face up to avoid scratching. Make certain that the cutting tool has adequate depth of cut to pass through the products height.

Note: A traditional table saw would require the plank to be cut much slower to avoid tear-out or chipping. If cutouts are required for round fixtures, Decoustics recommends a router and template method using a quality spiral-down carbideflute cutting bit.

When cutting metal components it is recommended to utilize the appropriate tool such as a metal cut-off saw, hacksaw, or hand grinder with cut-off blade.

Finishing of Cut Ends - Linear Wood Product Planks and Blades

Cutting through Linear Plank or Linear Blade rails will expose the mdf core material. It is recommended to finish the cut ends to seal the core material. There are several recommended ways of finishing the cut end:

1. Spray or brush coat the exposed ends of the Linear wood product with a high quality clear washable low sheen lacquer coating (recommended). Such products are available at most hardware or building supply outlets.

2. Pre-finished veneer material with a self adhesive backing is available upon request at additional cost. The pre finished veneer can be cut to the desired size and adhered to the cut ends utilizing the self adhesive backing. Once attached to the Linear wood product the excess material can be trimmed with a knife or sanded flush to the exterior profile of the cut end.

Note: We recommend that any installations of Linear wood products be done under the supervision of a qualified and experienced individual with a good thorough knowledge of wood working and cabinet building techniques.

ENVIRONMENT: Linear wood panels must be stored, installed, and maintained only in a stable ambient environment (relative humidity of minimum 35% - maximum 55%, temperature to be maintained between 20 -27°C (68-80°F))

Linear Wood and Wood Grille panels must be allowed to stabilize on site for 72 hours prior to installation.

Special Services and Client Support

Linear wood products are purchased on the understanding that the materials supplied to our clients are a commodity type product. Decoustics can provide basic customer support related to the installation of Linear wood products.

For installations involving the customization of Linear wood products Decoustics can provide design and fabrication services at additional cost.
1. Prior to installation please check and verify that all required components have been received. Using the attached drawings identify all components received.

2. Check and verify the quantities of components received against the quantities required for the project.

3. Attach the screw-in type safety clips to the rear of the Lift and Shift panel. Note that up to six safety clips may be required for panels dependent on the panel length.

Note: All T-bar grids utilized for the mounting of Linear Wood Products must be installed to support the loading applied to the structure by the Linear wood components. All main "T's" will be on 2'-0" centers with hanger wires located at no more than 4'-0" spacing's. All cross "T's" will be located on 2'-0" centers.
4. Preferred Lay-In linear wood on T bar grid at wall (as shown)

5. Lay-In Linear wood on shadow mold at wall (as shown)

6. Lay-In linear wood on wall angle at wall (as shown)

7. Lay-In linear wood on wall angle with wood blocking at wall (as shown)

Typical “border” spring clip incorporated into the perimeter shadow mold trim as required. The spring clip maintains the positioning of the perimeter Linear Wood ceiling panels.
8. Lay-In linear wood panel positioned under the T bar support grid. The support rails on one side of the panel are then inserted into the heavy duty T bar while the opposite side is rotated into the grid opening. The panel is then shifted to the side to seat itself in the grid.
Step #1  To install Lay-In linear wood panels into T bar grid, insert the support cross rails into the "T" bar ceiling grid as shown in the drawing below.

Step #2  Once the cross rails are located inside the T bar grid rotate the opposite side of the panel up so that the cross rail supports clear the T bar grid.

Step #3  Once the opposite side cross rails are located inside the T bar grid slide the panel back so that the cross rail supports are now in contact above the T bar grid. Allow the panel to drop and seat itself in the T bar grid.

Step #4  The Lay-In linear wood panel is now installed in the grid. To remove the panel repeat steps One, two, and three in reverse order.

Typical "border" spring clip incorporated into the perimeter shadow mold trim as required. The spring clip maintains the positioning of the perimeter Linear Wood ceiling panels.
Cutting of Linear Wood Product Planks and Blades

When Cutting Linear Plank or Linear Grille Products it is important to use equipment that will not tear or chip the wood veneer components. Traditional woodworking tools are suitable for cutting Linear Wood and Grille Ceilings. Decoustics recommends using large diameter chop saws or radial saws having a carbide tipped blade with a sharp, thin-kerf, 80 tooth - at 10" (254mm) diameter - and alternating 40 degree bevel. Cut products with face up to avoid scratching. Make certain that the cutting tool has adequate depth of cut to pass through the products height.

Note: A traditional table saw would require the plank to be cut much slower to avoid tear-out or chipping. If cutouts are required for round fixtures, Decoustics recommends a router and template method using a quality spiral-down carbide-flute cutting bit.

When cutting metal components it is recommended to utilize the appropriate tool such as a metal cut-off saw, hacksaw, or hand grinder with cut-off blade.

Finishing of Cut Ends - Linear Wood Product Planks and Blades

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