

# WoodWorks® Trim

## Assembly and Installation Instructions



### 1. GENERAL

#### 1.1 Product Description

WoodWorks® trim consists of 4" or 6" high x 8' long trim pieces designed to be installed with WoodWorks® Vector® or Tegular ceiling panels and conventional T-bar suspension systems. All wood trims are constructed of fire retardant particle board between 2 layers of wood veneer finish. All exposed edges are banded with the same finish as the face. This is the same substrate and thickness as WoodWorks 2' x 2' ceiling panels.

#### 1.2 Storage and Handling

The ceiling trim components must be stored in a dry interior location and must remain in cartons prior to installation to avoid damage. The cartons must be stored in a flat, horizontal position. Proper care should be taken when handling to avoid damage and soiling. Do not store in unconditioned spaces with humidity greater than 55% or lower than 25% RH and temperatures lower than 50°F or greater than 86°F. Trim must not be exposed to extreme temperatures, for example, close to a heating source or near a window where there is direct sunlight.

#### 1.3 Site Conditions

WoodWorks trim materials should be permitted to reach room temperature and have a stabilized moisture content for a minimum of 72 hours before installation. They should not, however, be installed in spaces where the temperature or humidity conditions vary greatly from the temperatures and conditions that will be normal in the occupied space.

#### 1.4 Temperature & Humidity During Installation

WoodWorks trim is an interior finish product designed for installation in temperature conditions between 50°F and 86°F, in spaces where the building is enclosed and HVAC systems are functioning and will be in continuous operation. Relative humidity shall not fall below 25% or exceed 55%. There must be proper ventilation of the plenum in high moisture areas. All plastering, concrete, terrazzo, or any other wet work should be completely dry. All windows and doors should be in place. The heating, ventilating, and air-conditioning system should be installed and operable where necessary to maintain proper temperature and humidity conditions before, during, and after installation of the WoodWorks panels and trim.

#### 1.5 Color

WoodWorks trim is made with a variety of real wood veneers. Natural variations in color and grain are characteristic of wood products. To maximize visual consistency, order WoodWorks ceiling panels at the same time as coordinating perimeter trim.

#### 1.6 Safety Considerations

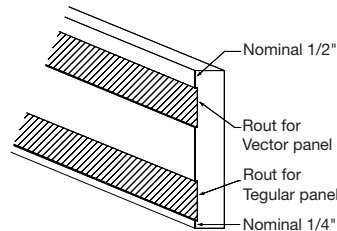
This product is made of wood fibers. Sawing, sanding, or machining these products can produce wood dust. Airborne dust can cause respiratory, eye, and skin irritation. Respirable wood dust is classified as a carcinogen. Personal protective equipment includes safety glasses or goggles, and impervious gloves. Respiratory protection may be required and depends on how the product is being cut and handled. Job site environmental conditions must be evaluated in determining what type of respiratory protection is required. In all cases, cutting is to be performed in a well-ventilated area and power tools must be equipped with a dust collection system. Refer to the Safety Data Sheet [www.armstrongceilings.com/woodworks](http://www.armstrongceilings.com/woodworks) for additional information.

## 2. TRIM DESIGN

### 2.1 General

Determine which panels you will be using – WoodWorks® Vector® or Tegular – so you can orient the trim correctly before cutting and assembling. Each trim piece has two shallow grooves, or routs, on the inside surface. One of the routs is a nominal 1/4" from the edge, while the other rout is a nominal 1/2" from the edge.

The 1/4" rout is down when installing Tegular panels. The 1/2" rout is down when installing Vector panels. The rout is there to locate the bottom edge of the wall molding. In both cases, it is recommended to use Item #7804BL, 7/8" x 9/16" wall angle in black with the 7/8" leg against the wood trim (**Fig 1**).



(Fig 1)

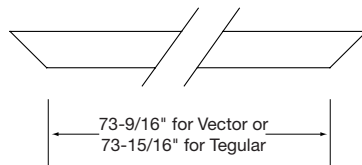
## 3. INSTALLATION

### 3.1 Mitering the Ends

For full-sized WoodWorks Vector panels using 15/16" grid, cut a miter on each end of each side so the measurement from long point to long point of the miters is 1-9/16" larger than the nominal dimension of the cloud. For full-sized WoodWorks Tegular panels using 9/16" grid, cut a miter on each end of each side of the trim so the measurement from long point to long point is 1-15/16" larger than the nominal dimension of the cloud.

Example: If the ceiling cloud is to be a nominal 6' x 6', and you are installing full sized Vector panels, cut each side of the trim to 73-9/16" from long point to long point of the miters (**Fig 2**).

Cut four sides like this and you are ready to assemble a 6' x 6' cloud.



(Fig 2)

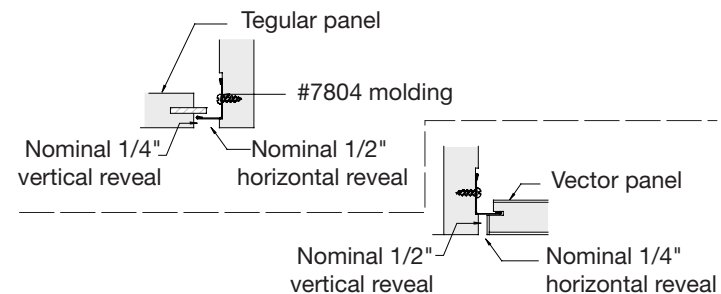
**CAUTION! WOOD DUST.** Sawing, sanding, and machining wood products can produce dust. Airborne wood dust can cause respiratory, eye, and skin irritation. The International Agency for Research on Cancer (IARC) has classified wood dust as a nasal carcinogen in humans.

Precautionary measures: If power tools are used, they should be equipped with a dust collector. If high dust levels are encountered, use an appropriate NIOSH-designed dust mask. Avoid dust contact with eyes and skin.

First Aid Measure in case of irritation: Flush eyes or skin with water for at least 15 minutes.

### 3.2 Attaching Molding to the Trim (Fig 3)

Install Item #7804 black wall molding in the appropriate rout. Review graphics below for the appropriate rout location as installed with Vector or Tegular panels. The ends of the molding must be mitered.



(Fig 3)

### 3.3 Connecting Trim Pieces

When the four sides are cut and the molding is installed in them, sit the sides on a table and fasten the four sides together at the miters. Use an air nailer and wood glue to secure the sides together.

Instead of cutting miters you may choose to butt the ends of the sides. The ends of the bulkheads are edgebanded to accommodate this. Adjust the length of the sides so the inside measurements mimic the sizes described above. Apply molding after assembling the sides.

### 3.4 Preparing Grid Connections

Find the center of each side of the cloud on the inside surface of the trim and make a mark slightly above the rout you are using. From this mark, measure 1' or 2' (depending on the size of the cloud) to each side and make marks at these locations. Then mark every 2' from that point. These marks tell you the location of the main beams. Main beams will be 2' O.C.

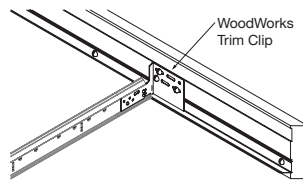
**Example:** If the cloud is to be a nominal 6' long, mark the center and then mark 1' to each side. If the cloud is to be a nominal 8' long, mark the center and then mark every 2' in both directions.

**NOTE:** You would need more than one piece of trim on each side in this example. The splice can be accomplished by fastening the molding in the bottom rout across the joint. You can screw a piece of grid across the joint in the upper rout. The face of the grid should be against the substrate in the rout.

For Vector panels using 15/16" grid, cut the main beams 1/16" shorter than the nominal dimension of the cloud. For Tegular panels using 9/16" grid, cut the main beam 5/16" longer than the nominal dimension of the cloud. The mains should run the short dimension of the cloud. Lay the mains on the molding and line them up with the marks you made on the inside of the cloud.

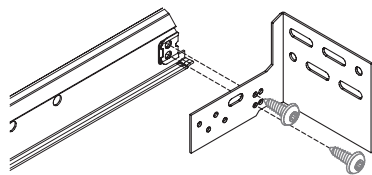
### 3.5 Fastening Trim to Grid (Fig 4)

Screw WoodWorks® Trim Clips (provided in the trim carton) to the web of the mains. Then screw the other leg of the clips to the inside of the bulkhead. Use #7 × 7/16" fine thread framing screws to secure the clips to the mains and the bulkhead.



(Fig 4)

When a full-sized XL cross tee meets the molding at the perimeter, line up two holes in the trim clip with the two "stake" holes in the end of the cross tee (Fig 5). Screw the trim clip to the tee at these points for alignment. When the other face of the clip is against the trim, only the override of the tee will sit on the face of the molding. This is the correct spacing for full panels.



(Fig 5)

### MORE INFORMATION

For more information, or for an Armstrong Ceilings representative, call 1 877 276-7876. For complete technical information, detail drawings, CAD design assistance, installation information, and many other technical services, call TechLine customer support at 1 877 276-7876 or FAX 1 800 572-TECH.

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### 3.6 Completing the Ceiling Install

Use aircraft cable or hanger wire to secure the ceiling cloud from structure. The bottom of the cables can be connected to main beams in the cloud using standard cable connectors (by others).

Install the ceiling panels. Refer to Installation Instructions LA-295693 for Vector panels and LA-295694 for Tegular panels if additional instructions are needed.

### 3.7 Three-Sided Applications

If the cloud is to be mounted against a wall on one side, attach the trim to that wall using angle brackets (by others) secured to the wall with appropriate fasteners for the wall, and #7 × 7/16" pan head screws into the trim. Attach black 9/16" molding (Item #7804) to the wall at the same height as the rout in the inside face of the trim. Adjust the length of the trim pieces that are perpendicular to the wall to accommodate either full-sized panels or border panels.

### 3.8 Clouds Using Partial Panels

If choosing to make the cloud to a size that dictates cutting border panels, cut those panels to size once the trim and grid are assembled.

When fastening the trim clips to the ends of cut cross tees, do not use the "stake" alignment holes in the clip to position it as described in Section 3.5. Cut off those "stake" holes in the cross tee. Screw the clip to the web of the grid at least twice and then fasten the other end of the clip to the trim.

Measure and cut the border panels using the same method as if it were a wall-to-wall installation. Use border clips to secure the panels on all sides. Edgeband the cut edges of the panels. Refer to WoodWorks® Vector® or Tegular installation instructions for more information on cut border panels.



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