

TUFTEX[®] DeckDrain[™]

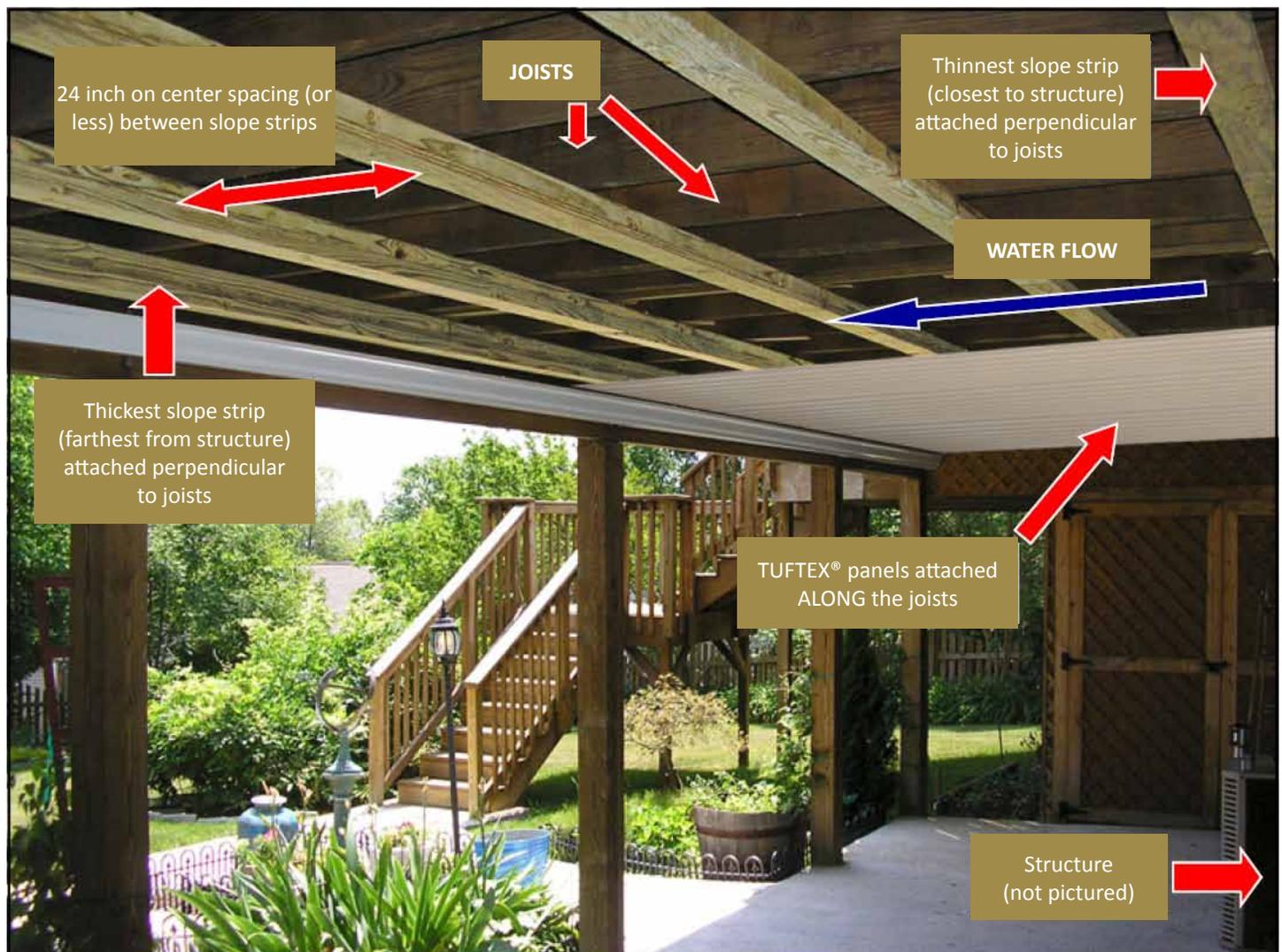
Affordable Deck Ceiling and Drainage System

ALONG JOISTS method installation instructions

The standard method of installation for TUFTEX[®] DeckDrain[™] is to run the panels ACROSS the joists, using TUFTEX[™] DeckDrain[™] Slope Building Brackets to ensure proper water run-off. However, TUFTEX[™] DeckDrain[™] panels can also be installed to run ALONG the joists by using this method of installation guidelines.

To install TUFTEX[™] panels ALONG deck joists, a method to create “slope” must be built using wood strips. (TUFTEX[™] panels are then attached to these strips.) These wood strips are applied perpendicular to the joists in a cross-brace fashion (see photo and diagrams below). In order to create the necessary slope, the strips need to be thicker as they move away from the structure (Fig. A) and in the direction of the desired water flow. TUFTEX[®] panels are then attached to these wooden slope strips.

FIG. A: Example of slope strips applied perpendicular to joists



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1. Determine the direction of the water flow.

IMPORTANT: Water should not flow toward the house. When using the ALONG JOISTS method, the TUFTEX® slope Building Brackets will not be used. Instead, a slope will be built using wood strips. If you plan to run panels perpendicular to joists, please see our [TUFTEX® Deckdrain™ ACROSS JOISTS method installation guide at www.tuftexpanel.com](http://www.tuftexpanel.com) or call 1-800-777-7663.

2. Estimate your necessary materials:

A. Panels: Multiply (A) X (B) to get the total number of square feet of your deck (See Fig A) and add approximately 10% for end laps. Divide by two (2) to get the number of linear feet of Tuftex panels needed. Then divide by length of the Tuftex panels and round up to the next whole number for the approximate number of panels you will need.

B. DeckDrain Fasteners: It will require approximately 30 Tuftex DeckDrain fasteners (2") to properly attach each 10' Tuftex panel. More fasteners may be necessary in climates where heavy icing may occur. REMEMBER: 1 box equals 100 fasteners. No pre-drilling required.

C. Wood Strips: The quantity, length and thickness of the wood strips will be dependent on the size and dimensions of the deck (and necessary slope). It is recommended that the 'installation' portion below be read and understood first, as it will aid in determining the quantity, length, and thickness of the required wood strips.

3. Installation:

Cut and install slope strips: Wood strips are applied perpendicular to the joists, approximately every 24 inches leading out from the structure. Each strip will become thicker as you move away from the structure, creating a slope when TUFTEX® DeckDrain Panels are attached to the strips (See Figures A & B). This slope should be a minimum of one inch drop for every 10 feet of run.

Install TUFTEX® Panels: Panels are attached to wood strips using TUFTEX® DeckDrain™ Fasteners (2"). Fasteners are attached in the uppermost portion of the panel (peaks of the corrugations), not the lower corrugations (valleys). Fasteners are attached to every other peak and should be staggered from one row to the next.



A one-corrugation side lap is necessary. If lapping panels end-to-end, make sure that water will flow over the lap, and use a 4 inch or greater overlap in these areas. Fasten in all the peak corrugations at end laps. Wait to install the side lap and end lap fasteners until subsequent sheets are installed.

Hints: Increasing the slop (or drop) of the panels will result in fewer leaks. To increase water tightness you can seal end and side laps with PVC cement or silicone sealant. Gutters can be installed to collect and direct water from sheets. Use opaque panels. Translucent panels will show underside of deck and debris. As with any guttering system you will want to clear debris as needed. This can usually be accomplished with high pressure water.

WARNING: While panels are non-flammable, be careful as excessive heat rising from barbecue grills being used on patios or decks with TUFTEX® sheets installed above may deform or warp panels.

Questions? Call 800.777.7663

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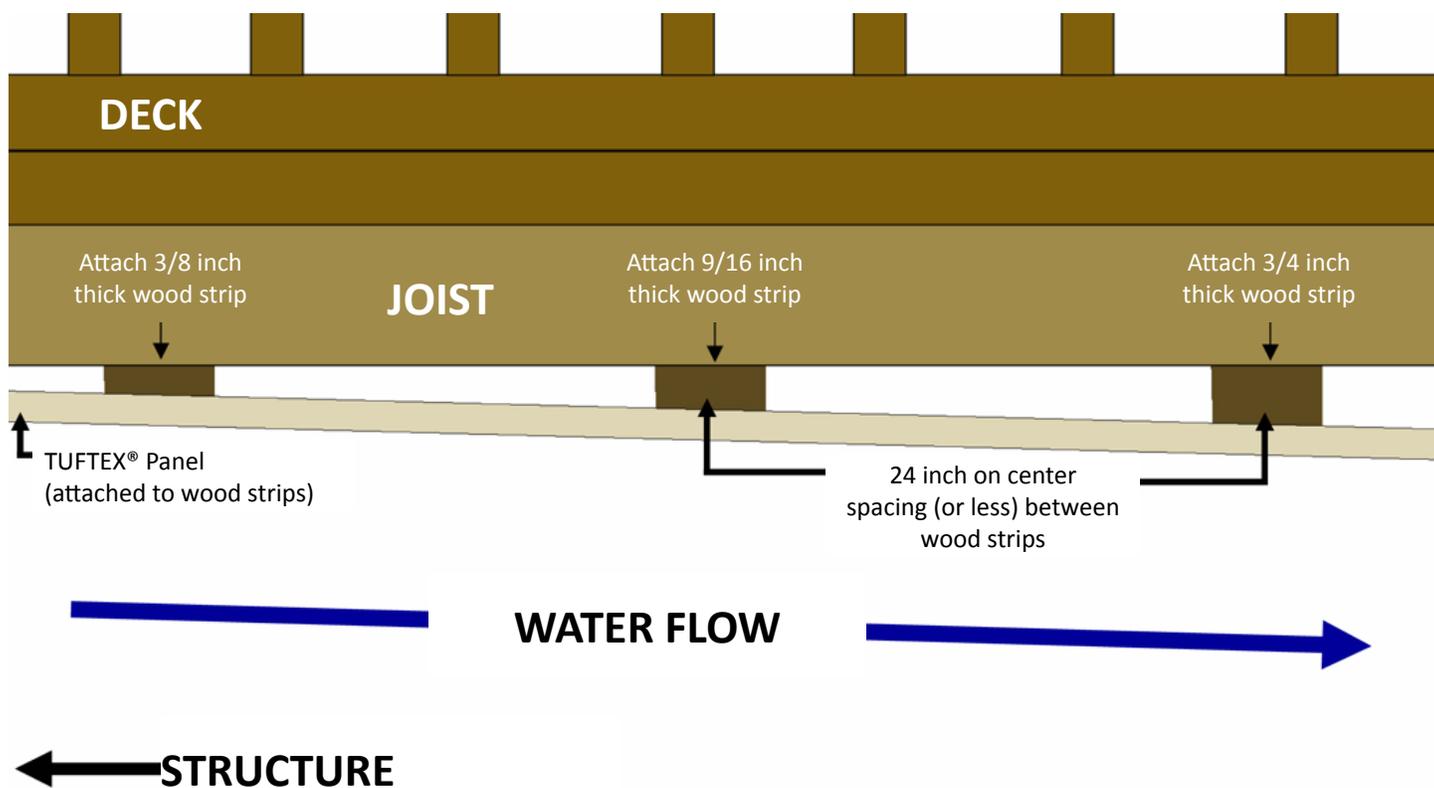


Fig. B—Example of slope strips attached perpendicular to joists and panels applied ALONG the joists