

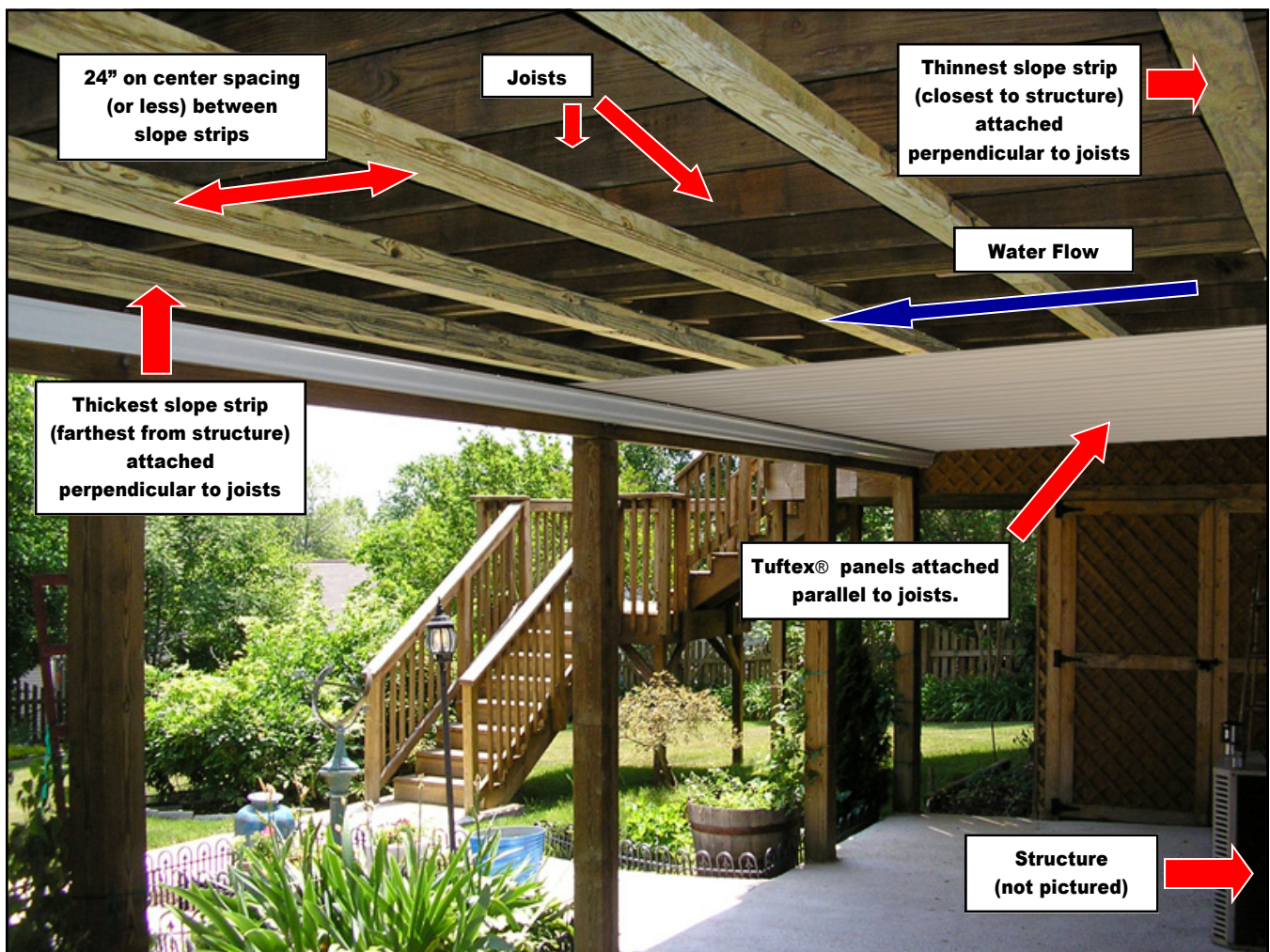


## Alternate Method Installation

The standard method of installation for Tuftex® DeckDrain is to run the panels perpendicular to the joists, using Tuftex® DeckDrain Slope Building Brackets to ensure proper water run-off. However, Tuftex® DeckDrain panels can be installed to run parallel to the joists. Here's how:

To install Tuftex® panels parallel to 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. Please see the following pages for complete installation guidelines.

**Fig. A—Example of slope strips applied perpendicular to joists**



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# **Tuftex® DeckDrain Alternate Method Installation Guidelines**

*The standard method of installation for Tuftex® DeckDrain is to run the panels perpendicular to the joists, using Tuftex® DeckDrain Slope Building Brackets to ensure proper water run-off. However, Tuftex® DeckDrain panels can be installed to run parallel to the joists by using the Alternate Method Installation Guidelines.*

***These instructions are simply a basic guideline. Each deck is unique and applications will vary.***

- 1. Determine the direction of water flow. Important:** Water should not flow toward the house. When using this Alternate Method, the Tuftex® Slope Building Brackets will not be used. Instead, a slope will need to be built using wood strips. If you plan to run panels perpendicular to joists, please see our [Tuftex® DeckDrain Traditional Method Installation Guide](#) at [www.tuftexpanel.com/deckdrain.asp](http://www.tuftexpanel.com/deckdrain.asp) or call 800-777-7663.

- 2. Estimate your necessary materials:**

**A. Panels:** Multiply (L) X (W) to get the total number of square feet of your deck. Add approximately 10% for endlaps. Divide by two (2) to get the number of linear feet of Tuftex® panels needed. Then divide by the 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 to properly attach each 10' panel. More fasteners may be necessary in climates where heavy icing may occur.

**REMEMBER:** 1 box equals 100 fasteners.

**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" on center leading out from the structure. **(Spacing greater than 24" on center is not recommended.)** 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 (1") drop for every 10' of run.

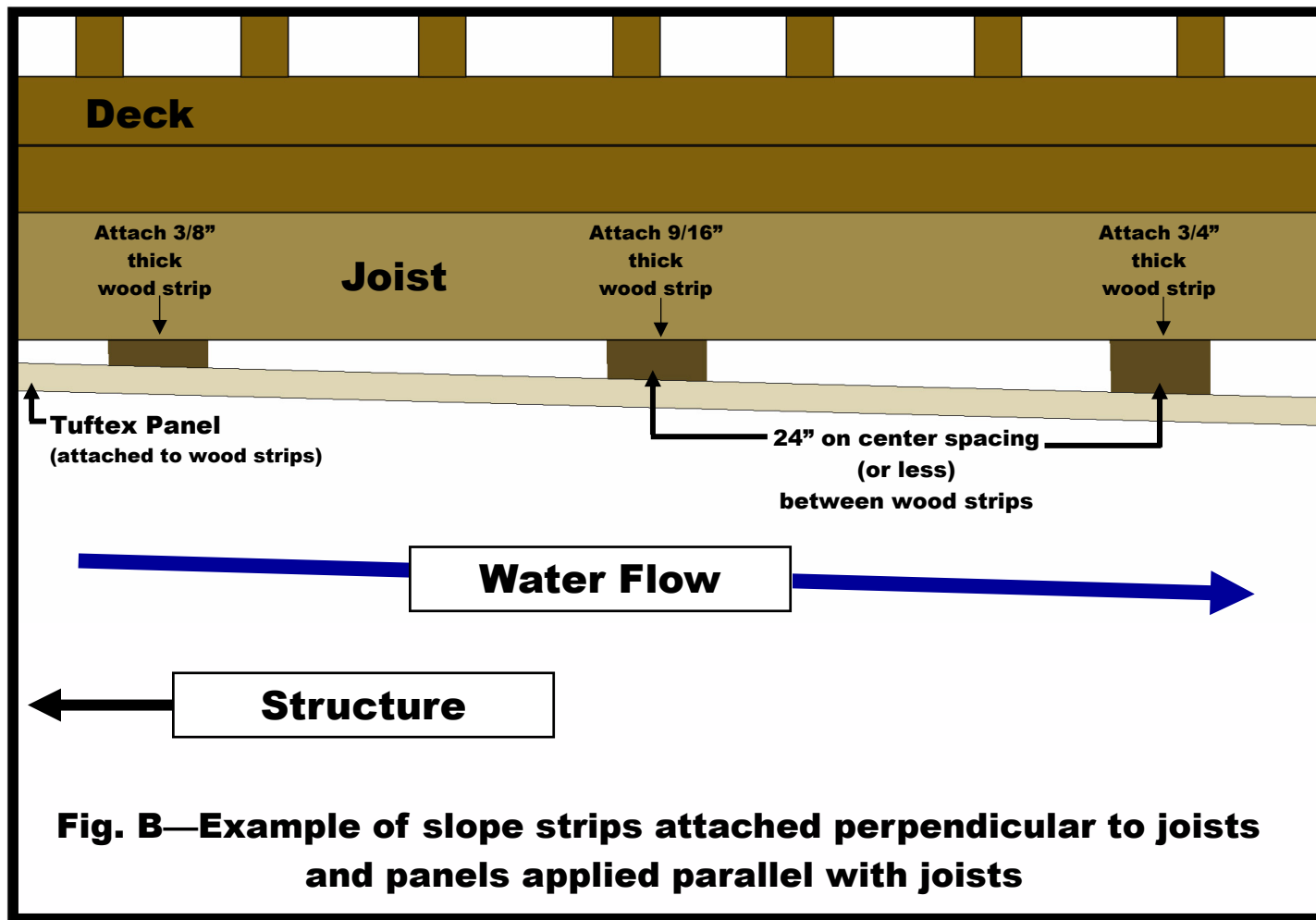
**Install Tuftex® Panels:** Panels are attached to wood strips using Tuftex® DeckDrain Fasteners. Fasteners are attached in the uppermost portion of the panel (peaks of the corrugation), not the lower corrugations (valleys). Fasteners are attached to every other peak and should be staggered from one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

A one-corrugation side lap is necessary. If lapping panels end-to-end, make sure that water will flow over lap, and use a 4" or greater overlap in these areas. Fasten in the 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 **slope** (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 a clear vinyl adhesive caulk. Gutters can be installed to collect and direct water from sheets. Use opaque panels. Translucent panels will show underside of deck. 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 barbeque grills being used on patios or decks with Tuftex® sheets installed above may deform or warp panels.

**Questions? Call 800-777-7663**



**Fig. B—Example of slope strips attached perpendicular to joists and panels applied parallel with joists**