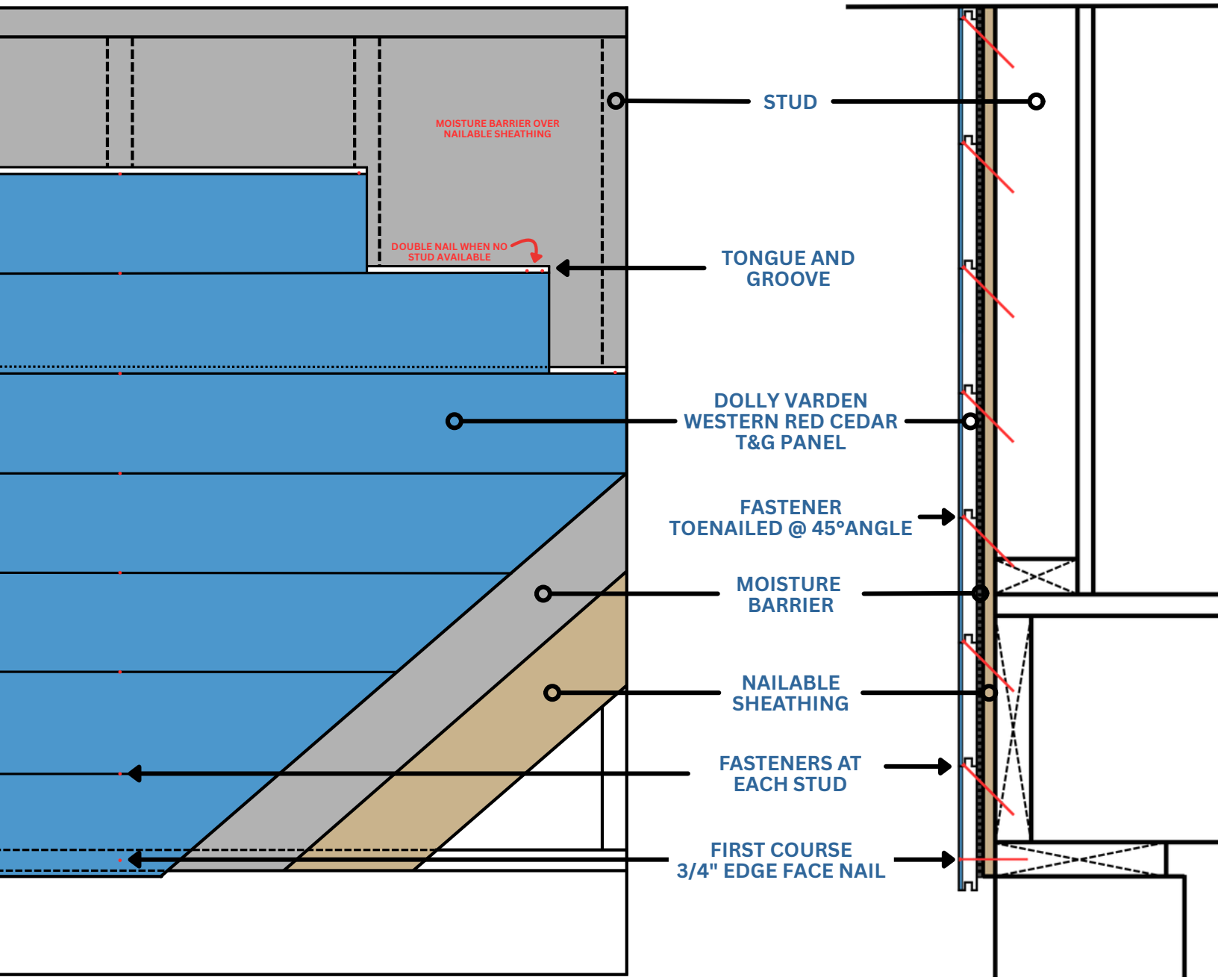
TECHNICAL BULLETIN 7002

Dolly Varden® T&G Panel

Installation guide for 6" and 4" Exposures

Product Description

Dolly Varden® T&G panels are designed for efficient installation over standard wall assemblies. Panels may be installed horizontally or vertically over solid nailable sheathing, insulation board, or direct to framing where permitted.
For product specifications, material composition, and performance characteristics, refer to Technical Bulletin 7001 – Technical Specifications.



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Substrate Requirements

Panels must be installed over approved nailable substrates in accordance with local building codes. Substrates must be flat, structurally sound, and properly prepared prior to installation.

Weather-Resistive Barrier

A suitable weather-resistive barrier (WRB), such as Type 15 felt or equivalent, shall be installed in accordance with local code requirements. Apply a minimum 2" head lap and 6" side lap, working from the bottom up.

Fasteners

Shakertown recommends using a 7d ring-shanked siding nail or 1/4" crown staple. Fasteners must penetrate framing or approved substrates a minimum of 1".
Toe-nail fasteners through the tongue at a 45° angle unless otherwise specified.
Fastener spacing:

- Maximum 16" on center at framing members
- Additional fastening may be required for high-wind or special applications

Use longer fasteners when installing over foam insulation or rain screen assemblies.

First Row

The first course requires face nailing approximately 3/4" from the bottom edge. Toe-nail through the tongue on the upper portion of the board.
Maintain 1/8" spacing where siding terminates at doors, windows, and corners. Seal joints with non-hardening exterior-grade sealant.

Subsequent Rows

Each course engages the tongue of the panel below with the groove facing downward.
End joints must not align between adjacent courses. Offset joints:

- Minimum 48" in adjacent rows
- Minimum 24" in alternating rows

Maintain consistent alignment and exposure throughout installation.

Vertical Installation

When installing vertically, fasteners should be spaced 12"–16" on center.
Scarf joints of 15° or greater are recommended, with the upper piece overlapping the lower piece to shed water.

Top Course

The final course may require ripping to fit. Face nailing is required. Trim boards may be used to conceal fasteners where desired.

Flashing

Install flashing at all transitions, penetrations, and terminations in accordance with building code requirements.
Maintain a minimum 1/4" clearance above flashing at horizontal transitions and 2" clearance above roofing surfaces.

Cutting

Use a sharp, fine-tooth blade when cutting panels. Ensure cuts are square and clean. Seal all cut ends for exterior applications.
Scarf joints of 15° or greater are recommended

Alignment

Establish a level reference line prior to installation.
Maintain consistent exposure and alignment throughout.
For horizontal applications, install with the tongue facing upward and groove facing downward.

Corners

Inside corners may be butted or installed with trim. Outside corners may be finished with corner boards or mitered siding.
Corner materials should be a minimum of 3/4" thickness.

California WUI Installation

All butt joints must occur over studs.
Under-eave soffit installations may be applied directly to joists or rafters where permitted. All butt joints must align with structural members.

Fire Ratings (Reference)

Dolly Varden® T&G panels meet the following when installed as part of approved assemblies:

- **Walls:** ASTM E2707 & WUI 12-7A-1 — installed over minimum OSB sheathing (#8160-2032-0003).
- **Soffits:** ASTM E2957 & WUI 12-7A-3 — approved for direct installation to trusses or joists (#8160-2032-0004).
- **1-Hour:** Meets International Building Code Section 15-1.1, Table 721.1(2) for one-hour fire-rated assemblies.
- **Flame Spread:** ASTM E84 Class “A”.

For full fire testing data, listings, and compliance documentation, refer to Technical Bulletin 7001 and applicable Shakertown fire test bulletins.

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If you have any questions regarding this product or other Shakertown materials, please contact us toll-free at **1-800-426-8970**

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