

Typical Deck Ledger Board Details

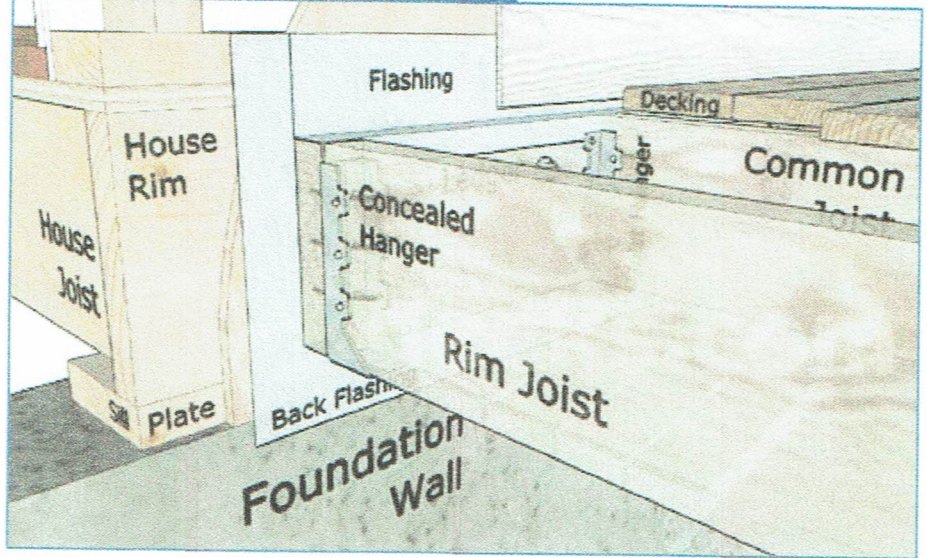
GENERAL

Attach the ledger board, which shall be equal to or greater than the joist size, to the existing exterior wall in accordance with the **Ledger Board to House Band Detail**. When attachments are made to the existing house rim board, the rim board shall be capable of supporting the new deck. If this cannot be verified or the conditions at the existing house differ from the details herein, then a free-standing deck is required. [See sheet 5.](#)

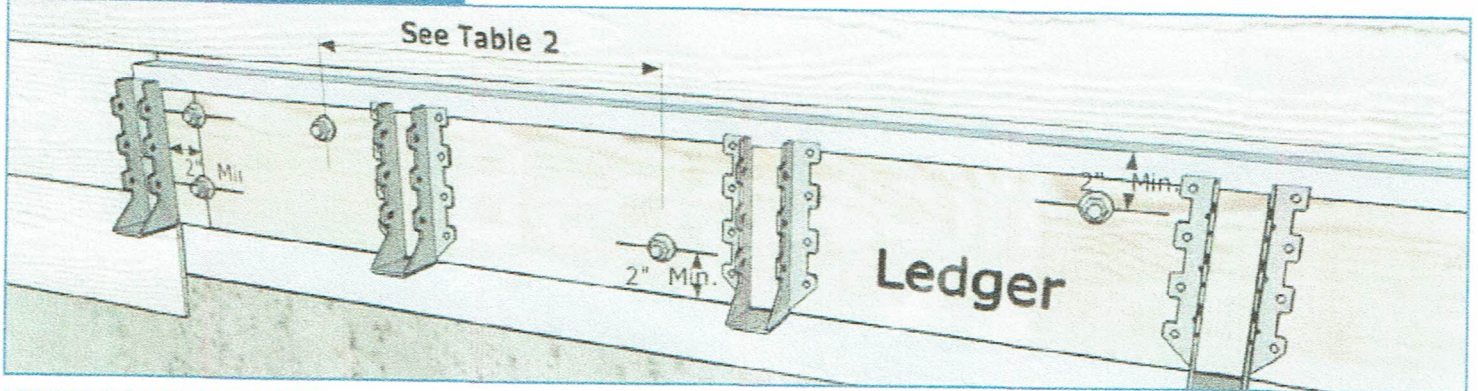
SIDING AND FLASHING

House siding, or the exterior finish system, must be removed prior to the installation of the ledger board. Flashing is required at any ledger board connection to a wall of wood framed construction and shall be composed of copper (attached with copper nails), stainless steel, UV resistant plastic, or galvanized steel coated with G-185 coating.

Ledger Board To House Band Detail



Ledger Board Fastener Spacing



LEDGER BOARD FASTENERS

The spacing between ledger board fasteners is dependent on the span length of the joists. Use the following table to determine fastener spacing and install to the configuration in Table 2. All fasteners shall be installed with washers and must be thoroughly tightened.

LAG BOLTS

Lag bolts shall be a minimum 1/2" and installed with washers. Lag bolts must be hot-dipped galvanized or stainless steel. Lag bolts must penetrate beyond rim board a minimum of 1/2".

LAG BOLT INSTALLATION REQUIREMENTS

Each lag bolt shall have pilot holes drilled as follows:

- 1) Drill a 1/2" pilot hole in the ledger board.
- 2) Drill a 5/16" diameter hole into the solid connection material of the existing house.

Do not drill a 1/2" diameter hole into the solid connection material. The threaded portion of the lag screw shall be inserted into the pilot hole by turning. Do not drive with a hammer. Each lag screw shall be thoroughly tightened.

Table 2: Ledgerboard Fastener Schedule

Joist Span	Fastener Spacing, On Center		
	1/2" Lag Screws	WHHB*	Thrubolts
0' - 6'	30"	18"	36"
6' - 8'	23"	12"	36"
8' - 10'	18"	10"	34"
10' - 12'	15"	8"	29"
12' - 14'	13"	7"	24"
14' - 16'	11"	6"	21"
16' - 18'	10"	5"	19"

*Washer Headed Hardened Bolts