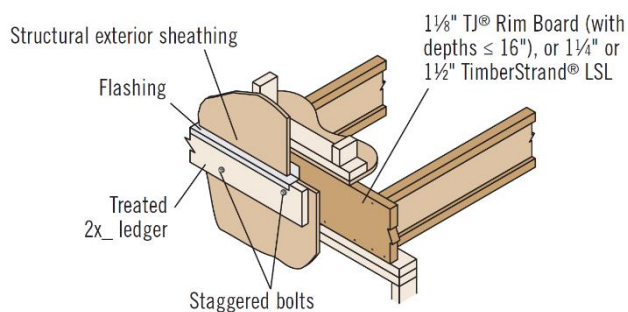


Trus Joist® 1¼" TimberStrand® LSL Rim Board and 1⅝" TJ® Rim Board Deck Ledger Attachment

Connections between a deck ledger and rim board are critical for the stability of residential outdoor decks. The table below gives allowable lag and through-bolt on-center spacing based on typical residential deck joist spans.

Exterior Deck Attachment



Treated deck ledgers must be properly flashed to ensure rim board is protected from moisture and ensure connections perform.

ALLOWABLE DECK LEDGER FASTENER SPACING

Load (PSF)	Rim Board Product	Residential Deck Joist Span					
		8'	10'	12'	14'	16'	18'
10 PSF Dead Load 40 PSF Live Load	1¼" TimberStrand® LSL	36"	28"	24"	20"	18"	16"
	1⅝" TJ® Rim Board	28"	22"	18"	16"	14"	12"
10 PSF Dead Load 50 PSF Ground Snow Load	1¼" TimberStrand® LSL	30"	24"	20"	17"	15"	13"
	1⅝" TJ® Rim Board	24"	19"	16"	13"	12"	10"
10 PSF Dead Load 60 PSF Ground Snow Load	1¼" TimberStrand® LSL	26"	20"	17"	14"	13"	11"
	1⅝" TJ® Rim Board	20"	16"	13"	11"	10"	9"
10 PSF Dead Load 70 PSF Ground Snow Load	1¼" TimberStrand® LSL	22"	18"	15"	13"	11"	10"
	1⅝" TJ® Rim Board	18"	14"	12"	10"	9"	8"

General Notes:

- Assumes simple spans only.
- Fastener spacing are for ½" lag bolts and ½" through-bolts.
- Through-bolts require washers. Bolt holes maximum 9/16".
- 2" minimum top and bottom edge distance shown in the figure below also apply to the rim board.
- Allowable fastener loads determined in accordance with acceptance criteria ASTM D7672.
- Corrosion-resistant fasteners required for wet-service applications.
- Snow load should not be assumed to act concurrently with live load.
- Other loads may control the deck ledger design (e.g., concentrated, wind, snow, and seismic).
- Lateral restraining connections may be required. Refer to 2024 IRC Section R507.9.2, and the [WUJA Deck Connection Details](#).
- When designing bolts through the face for lateral loading, refer to ICC-ES [ESR-1387](#) for equivalent specific gravity.

