

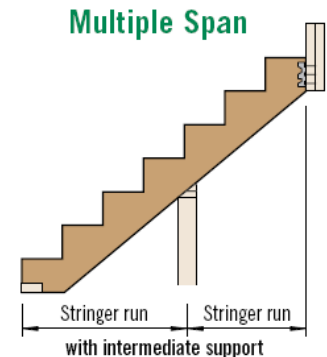
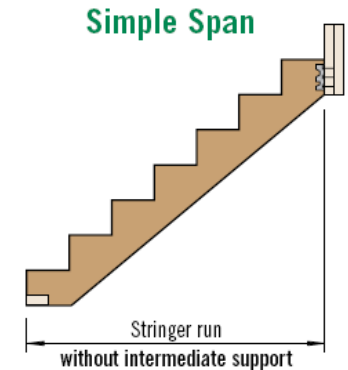
## Trus Joist® 1¾" 1.55E TimberStrand® LSL Stair Stringer Tables

### MAXIMUM STRINGER RUN – 40 PSF LIVE LOAD AND 12 PSF DEAD LOAD

1¾" 1.55E LSL Stair Stringer Depth	36" Tread Width	36" Tread Width	42" Tread Width	44" Tread Width	48" Tread Width
	2 Stringers	3 Stringers	3 Stringers	3 Stringers	3 Stringers
	With 2x4 Reinforcement	With 2x4 Reinforcement	With 2x4 Reinforcement	With 2x4 Reinforcement	With 2x4 Reinforcement
9.5"	7'-6"	8'-4"	7'-6"	7'-6"	7'-6"
11⅞"	10'-10"	12'-6"	12'-6"	11'-8"	11'-8"
14"	14'-2"	14'-2"	14'-2"	14'-2"	14'-2"

### MAXIMUM STRINGER RUN – 100 PSF LIVE LOAD AND 12 PSF DEAD LOAD

1¾" 1.55E LSL Stair Stringer Depth	36" Tread Width	36" Tread Width	42" Tread Width	44" Tread Width	48" Tread Width
	2 Stringers	3 Stringers	3 Stringers	3 Stringers	3 Stringers
	With 2x4 Reinforcement	With 2x4 Reinforcement	With 2x4 Reinforcement	With 2x4 Reinforcement	With 2x4 Reinforcement
9.5"	5'-0"	5'-10"	5'-10"	5'-10"	5'-0"
11⅞"	8'-4"	9'-2"	9'-2"	8'-4"	8'-4"
14"	10'-0"	11'-8"	10'-10"	10'-10"	10'-10"



### General Guidelines for Calculating Step Rise and Run

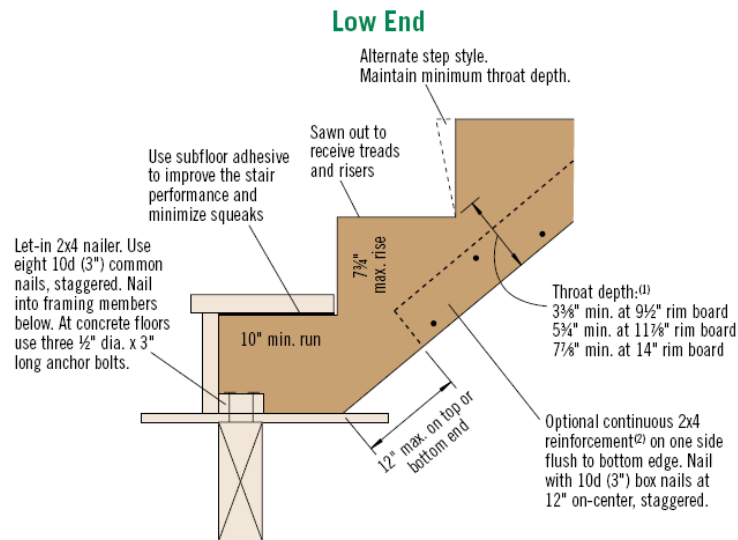
- The product of the rise and run should equal approximately 75".
- Two times the rise plus one run should equal approximately 25".
- Rise plus run should be 17" to 18".

### General Notes

- Maximum stringer runs shown are valid for U.S codes (working stress) or Canadian codes (Limit State Design). Loads shown are unfactored.
- Deflection criteria of L/360 live load and L/240 total load.
- Stairway assembly is unstable until treads are installed.

- Use subfloor adhesive to improve the stair performance and minimize squeaks.
- Tables based on 7¾" maximum rise and 10" minimum run. Local codes may be more restrictive.
- Maximum rise between floors or landings permitted by code is 12'-0".
- Keep materials dry. Add vapor barrier at bottom of stair stringer if it is in contact with concrete
- The attachment detail shown is a suggestion only; alternate details are possible. Responsibility remains with the project designer or engineer of record.
- For assistance with loading conditions and stair configurations not shown, contact your Weyerhaeuser representative.

## Low End Attachment – 40 psf Live Load 12 psf Dead Load



- (1) Minimum throat depths may be reduced by an additional ¼" for 11¾" and 14" material depths if 2x4 reinforcement is used and provided total rises and runs are limited to table values for unreinforced stringers.
- (2) Minimum No. 2 hem-fir, spruce-pine-fir or better grade.