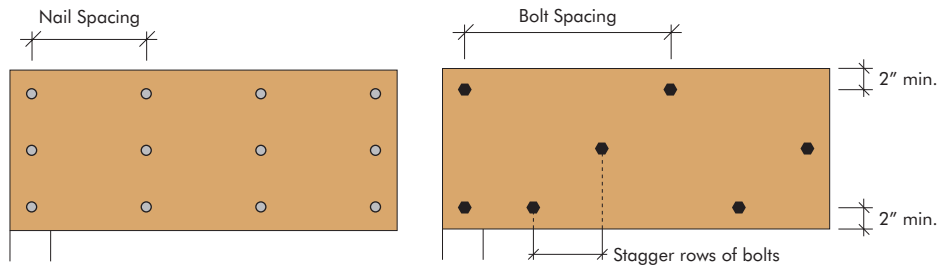
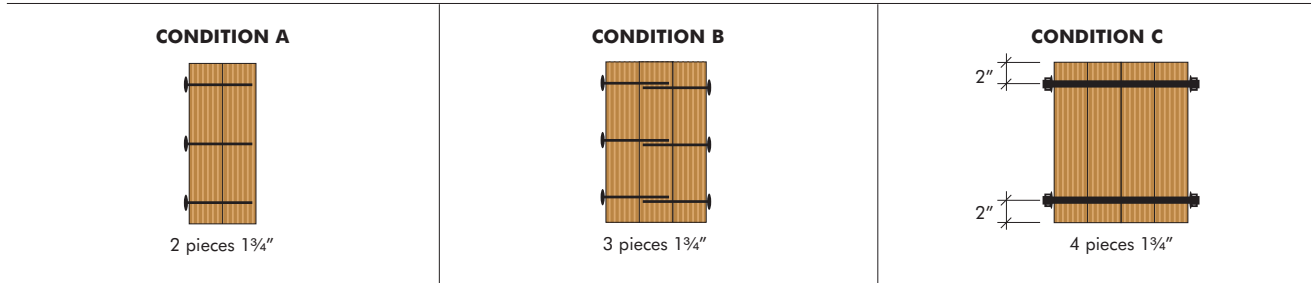


MULTIPLE-PLY LRC LVL BEAM ASSEMBLY

COMBINATIONS OF 1 3/4" PLY



MAXIMUM UNIFORM SIDE LOAD (PLF) 2.0E LRC LVL

Pieces In Member	3 1/2" x 0.131" Nails		16d Common Nails		1/2" Bolts		
	2 rows at 12" o.c.	3 rows at 12" o.c.	2 rows at 12" o.c.	3 rows at 12" o.c.	2 rows at 24" o.c.	2 rows at 12" o.c.	3 rows at 12" o.c.
Condition A (2 - 1 3/4")	390	585	505	760	510	1015	1520
Condition B (3 - 1 3/4")	290	435	380	570	380	760	1140
Condition C (4 - 1 3/4")	use bolts for this condition				340	680	1015

Notes:

- Minimum fastener schedule for smaller side loads and top-loaded LRC LVL beams:
 Conditions A & B, beams 12" deep or less:
 2 rows 3 1/2" x 0.131" at 12" o.c.
 Conditions A & B, beams deeper than 12":
 3 rows 3 1/2" x 0.131" at 12" o.c.
 Conditions C, all beam depths:
 2 rows 1/2" bolts at 24" o.c.
- The table values for nails may be doubled for 6" o.c. and tripled for 4" o.c. nail spacings.
- The nail schedules shown apply to both sides of a three-ply LRC LVL beam.
- The table values apply to common bolts that conform to ANSI/ASME Standard B18.2.1-1981. A washer not less than a standard cut washer shall be between the wood and the bolt head and between the wood and the nut. The distance from the edge of the LRC LVL beam to the bolt holes must be at least 2" for 1/2" bolts. Bolt holes shall be the same diameter as the bolt.
- 7" wide LRC LVL beams must be loaded from both sides and/or top loaded.
- LRC LVL beams wider than 7" must be designed by the engineer of record.
- Load duration factors may be applied to the table values.

HOW TO USE THE MAXIMUM UNIFORM SIDE LOAD TABLE

EXAMPLE:

2.0E LRC LVL beam loaded from both sides and above THREE 1 3/4" PLYS (CONDITION B)

- Use allowable load tables or sizing software to size the LRC LVL beam to carry a total load of (300 + 610 + 550) = 1460 plf.
- Refer to the 2.0E LRC LVL table for beam assembly requirements. Refer to the Condition B row in the table. Scan across the Condition B row from left to right for a table value greater than 550 plf, which is the greatest side load carried by the beam. The fourth value in the row indicates that 3 rows of 16d common nails at 12" o.c. will accommodate a side load of 570 plf which is greater than the 550 plf required. Use 3 rows of 16d common nails at 12" o.c., from both sides, to assemble the beam.

