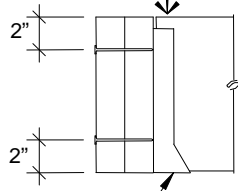
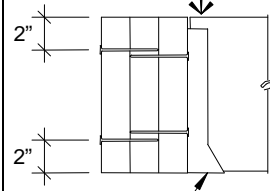
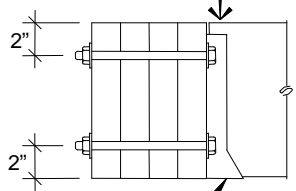


Multiple Member Connections for Side-Loaded Beams

| <p style="text-align: center;">MAXIMUM UNIFORM LOAD (PLF) APPLIED TO THE OUTSIDE PLY OF LVL</p> | | | <p style="text-align: center;">2 PLY LVL ↓ PLF</p>  <p style="text-align: center;">HANGER</p> <p style="text-align: center;">NAILS ON ONE SIDE OR THROUGH BOLTS</p> | <p style="text-align: center;">3 PLY LVL ↓ PLF</p>  <p style="text-align: center;">HANGER</p> <p style="text-align: center;">NAILS BOTH SIDES OR THROUGH BOLTS</p> | <p style="text-align: center;">4 PLY LVL ↓ PLF</p>  <p style="text-align: center;">HANGER</p> <p style="text-align: center;">THROUGH BOLTS ONLY</p> |
|--|----------|--------|---|---|---|
| | | | CONNECTOR | SPACING | ROWS |
| 16d COMMON WIRE NAILS | 12" O.C. | 2 ROWS | 505 | 380 | NOT APPLICABLE |
| | | 3 ROWS | 760 | 570 | |
| | 6" O.C. | 2 ROWS | 1010 | 760 | |
| | | 3 ROWS | 1520 | 1140 | |
| 4" O.C. | 2 ROWS | 1515 | 1140 | | |
| | 3 ROWS | 2280 | 1710 | | |
| ½" A307 THROUGH BOLTS | 24" O.C. | 2 ROWS | 505 | 380 | 340 |
| | 12" O.C. | | 1015 | 760 | 675 |
| | 6" O.C. | | 2030 | 1520 | 1350 |

* 4-ply beams should only be side-loaded when the loads are applied to both sides of the member.

1. Nails to be located 2" from the top and bottom of the member with a minimum spacing of 2" between rows.
2. Verify adequacy of beam or beam or header with uniform load tables or software.

3. The loads listed are for 100% load duration and may be increased for roof conditions. Check local code.

4. Bolts are to be ASTM A307, SAE JA429, SAE Grade 2, or better. Bolt holes are to be the same diameter as the bolt, and located 2" from the top and bottom of the member. Washers should be used under head and nut.

5. All multiple ply beams must be adequately braced to prevent rotation.