WEYERHAEUSER OSB
9' x 4' WALL SHEATHING

ENGINEERED FOR RELIABILITY
Weyerhaeuser OSB 9’ x 4’ wall sheathing panels are engineered specifically to provide you with even faster installation and better product performance.

• 9-foot sheathing height permits one-panel sheathing coverage for taller walls that are increasingly designed in today’s quality homes.
• Cross-orientation (panel strength axis in the 4-foot panel direction) provides increased panel stiffness across the wall studs and improved stability.
• These 9’ x 4’ wall sheathing panels are manufactured to the same high standards and precise product specifications as all Weyerhaeuser OSB panels.

THE WEYERHAEUSER OSB ADVANTAGE
Using Weyerhaeuser OSB results in faster installations, better product performance, and a stronger reputation that will keep people coming to you.

The Value of Weyerhaeuser OSB
• Consistent product quality
• Limited 20-year warranty against delamination
• Available throughout North America
• Commitment to on-time delivery

OUR COMMITMENT
Weyerhaeuser OSB is engineered to get the most from each tree. Each panel is precisely engineered for its particular end use and is extremely uniform, reducing waste. This efficient use of our precious natural resources is consistent with Weyerhaeuser’s philosophy of responsible environmental stewardship and comes from over 100 years experience in forest management.

PRODUCT SPECIFICATIONS
Weyerhaeuser OSB sheathing is manufactured to meet the requirements of the Voluntary Product Standard PS 2, which is recognized by:

• the current codes of the International Code Council and its members (IBC, IRC); and
• the National Fire Protection Association’s NFPA 5000 code.

In Canada, Weyerhaeuser OSB sheathing also meets comparable requirements (CSA O325) recognized by the National Building Code of Canada and accepted by the Canada Mortgage and Housing Corporation (CMHC).

WEYERHAEUSER 9’ x 4’ PANEL

• Vertical nail lines at 16” and 24” centers allow faster, easier installation.
• Use appropriate fasteners at the recommended schedule and gap panels at 1/8” (3 mm) on ends and edges of each panel to avoid buckling.
• Refer to code-compliant nailing schedules for installation details.

MADE BY NATURE
Engineered by Weyerhaeuser OSB

WEYERHAEUSER OSB 9’ x 4’ WALL SHEATHING
ALLOWABLE SHEAR (PLF) FOR APA PANEL SHEAR WALLS
with framing of Douglas Fir-Larch or Southern Pine44) for wind(21),(34),(46) or seismic(35),(45),(67) loading

<table>
<thead>
<tr>
<th>Panel Grade</th>
<th>Minimum Nominal Panel Thickness</th>
<th>Minimum Nail Penetration in Framing</th>
<th>Nail Size (common or galvanized box)(8)</th>
<th>Nail Spacing at Panel Edges</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>6&quot;</td>
</tr>
<tr>
<td>Weyerhaeuser</td>
<td></td>
<td></td>
<td></td>
<td>230(10)</td>
</tr>
<tr>
<td>Structural 1</td>
<td>3/8&quot;</td>
<td>1/8&quot;</td>
<td>8d</td>
<td>255(10)</td>
</tr>
<tr>
<td>OSB</td>
<td></td>
<td></td>
<td></td>
<td>280</td>
</tr>
<tr>
<td>Weyerhaeuser</td>
<td>5/8&quot;</td>
<td>1/4&quot;</td>
<td>6d</td>
<td>220</td>
</tr>
<tr>
<td>OSB Sheathing</td>
<td></td>
<td></td>
<td></td>
<td>240(10)</td>
</tr>
<tr>
<td></td>
<td>5/8&quot;</td>
<td>1/2&quot;</td>
<td>10d</td>
<td>260</td>
</tr>
<tr>
<td></td>
<td>7/8&quot;</td>
<td>1/2&quot;</td>
<td>8d</td>
<td>310</td>
</tr>
<tr>
<td></td>
<td>9/16&quot;</td>
<td>1/2&quot;</td>
<td></td>
<td>340</td>
</tr>
</tbody>
</table>

(1) For framing of other species:
   b. For common or galvanized box nails, find shear value from table above for nail size for actual grade.
   c. Multiply value by the following adjustment factor: Specific Gravity Adjustment Factor = (1 – (0.5 × SG)), where SG = specific gravity of the framing. This adjustment shall not be greater than 1.

(2) For wind load applications, the values in the table above shall be multiplied by 1.4.

(3) All panel edges backed with 2" nominal or wider framing. Install panels either horizontally or vertically.
   Space nails maximum 6" o.c. along intermediate framing members for ⅛" and ⅛" panels installed on studs spaced 24" o.c. For other conditions and panel thicknesses, space nails maximum 12" o.c. on intermediate supports. Fasteners shall be located ⅛" from panel edges.

(4) Where panels applied on both faces of a wall and nail spacing is less than 6" o.c. on either side, panel joints shall be offset to fall on different framing members, or framing shall be 3" nominal or thicker at adjoining panel edges and nails on each side shall be staggered.

(5) Galvanized nails shall be hot-dip or tumbled.

(6) For shear loads of normal or permanent load duration as defined by the NDS, the values in the table above shall be multiplied by 0.63 or 0.56 respectively.

(7) In Seismic Design Category D, E, or F, where shear design values exceed 360 pcf, all framing members receiving edge nailing from abutting panel edges shall not be less than a single 3" nominal member, or two 2" nominal members fastened together to transfer the design shear value between framing members. Wood structural panel joint and sill plate nailing shall be staggered in all cases. See IBC or AWC Special Design Provisions for Wind and Seismic (SDPWS) for sill plate size and anchorage requirements.

(8) For nail dimensions, see Table 6 on page 14 of APA’s Engineered Wood Construction Guide (2016).

(9) Framing at adjoining panel edges shall be 3" nominal or wider, and nails shall be staggered where nails are spaced 2" o.c. Check local code for variations of these requirements.

(10) Allowable shear values are permitted to be increased to values shown for 5/8" sheathing with same nailing provided:
   a. studs are spaced a maximum of 16" o.c., or
   b. panels are applied with long dimension across studs.

(11) Framing at adjoining panel edges shall be 3" nominal or wider, and nails shall be staggered where 10d nails (3" x 0.148") having penetration into framing of more than 1½" are spaced 3" o.c. Check local code for variations of these requirements.


Table General Notes
- For aspect ratios greater than 2:1 and for additional information, refer to ANSI/AWC Special Design Provisions for Wind and Seismic.
- Values shown apply to Weyerhaeuser Structural 1 OSB and Weyerhaeuser OSB sheathing with an APA trademark.