PART 1 - GENERAL

1.1 SUMMARY

A. Includes But Not Limited To:
   1. Furnish and install wood panel product sheathing required for walls, roofs, and floors as described in Contract Documents.

1.2 QUALITY ASSURANCE

A. Pre-Installation Conference: Participate in pre-installation conference specified in Section 06 1100.

1.3 DELIVERY, STORAGE, AND HANDLING

A. Protect sheathing and keep under cover in transit and at job site.
B. Do not deliver material unduly long before it is required.
C. Store sheathing on level racks and keep free of ground. Stack to insure proper ventilation and drainage.

PART 2 - PRODUCTS

2.1 MATERIALS

A. Sheathing:
   1. Meet requirements of PS 1-95, PS 2-92, PRP-108 (APA), or PRP-133 (TECO). Except where plywood is specifically indicated on Drawings, oriented strand board (OSB) is acceptable.
   2. Every sheet of sheathing shall be stamped as follows:
      a. Appropriate APA, TECO, or PFS grade stamp identifying thickness and span rating.
      b. Sheathing shall be stamped ‘Sized for Spacing’.
      c. Exposure 1 or Exterior.
   3. Sheathing shall not exceed 18 percent moisture content when fabricated or more than 19 percent when installed in Project.
   4. Sheathing 3/4 inch 19 mm thick and thicker used for single-layer subflooring shall be tongue and groove.
   5. Sheathing used for same purpose shall be of same thickness. In all cases, thickness specified is minimum required regardless of span rating.
   6. Minimum span ratings for given thicknesses shall be as follows:

<table>
<thead>
<tr>
<th>Thickness</th>
<th>Span Rating</th>
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<tbody>
<tr>
<td>3/8 inch</td>
<td>9.5 mm</td>
</tr>
<tr>
<td>15/32 inch actual</td>
<td>11.9 mm actual</td>
</tr>
<tr>
<td>1/2 inch nominal</td>
<td>12.5 mm nominal</td>
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<tr>
<td>19/32 inch actual</td>
<td>15.1 mm actual</td>
</tr>
<tr>
<td>5/8 inch nominal</td>
<td>15.9 mm nominal</td>
</tr>
<tr>
<td>23/32 inch actual</td>
<td>18.3 mm actual</td>
</tr>
<tr>
<td>3/4 inch nominal</td>
<td>19 mm nominal</td>
</tr>
</tbody>
</table>
B. Nails:
1. 3/8 inch 9.5 mm panel thickness: 8d common or box.
2. 15/32 inch 11.9 mm and thicker panels: 10d common or galvanized box.

PART 3 - EXECUTION

3.1 INSTALLATION

A. General:
1. Top of nail heads shall be flush with sheathing surface.
2. Use of edge clips to provide spacing between sheathing panels is acceptable.

B. Wall Sheathing:
1. Spacing: Provide 1/8 inch 3 mm space between sheets at end and edge joints.
2. Edge Bearing And Blocking:
   a. Panel edges shall bear on framing members and butt along their center lines.
   b. Back block panel edges, which do not bear on framing members, with 2 inch nominal 45 mm framing.
3. Nailing: Place nails not less than 3/8 inch 9.5 mm in from edge and 4 inches 100 mm on center along panel edge and into studs connected to hold-down anchors, unless shown otherwise on Drawings.
4. Size:
   a. 15/32 inch actual 12 mm minimum thickness.
   b. Do not install any piece of wall sheathing with shortest dimension of less than 24 inches 600 mm.

C. Roof Sheathing:
1. Placing:
   a. Lay face grain at right angles to supports. Provide blocking for support where framing turns at roof overhang.
   b. Provide 1/8 inch 3 mm space between sheets at end and side joints.
   c. Stagger panel end joints.
   d. Sheathing shall be continuous of two spans minimum.
2. Nailing: Place nails at least 3/8 inch 9.5 mm in from edge.
3. Size:
   a. 19/32 inch 15.1 mm actual minimum thickness.
   b. Do not install any piece of roof sheathing with shortest dimension of less than 24 inches 600 mm.

D. Floor Sheathing:
1. Subflooring: Bottom Layer of Two
   a. Apply bead of glue to structural supports. Lay face grain / strength axis across supports and with panel continuous over two supports minimum.
   b. Allow expansion gap of at least 1/2 inch 12.5 mm at walls.
   c. Size:
      1) 19/32 inch actual 15 mm minimum thickness.
      2) Do not install any piece of bottom layer floor sheathing with shortest dimension of less than 24 inches 600 mm.
2. Subflooring: Top Layer of Two or Single Layer.
   a. Stagger joints of second layer subflooring so they do not line up with joints of first layer subflooring.
   b. Glue subflooring layers together along lines of structural supports.
   c. Leave 1/32 inch 1 mm gap at side and end joints, except where tongue and groove subflooring is used.
   d. Size:
      1) 19/32 inch actual 15 mm minimum thickness, except where specifically noted otherwise.
2) Do not install any piece of single layer floor sheathing with shortest dimension of less than 24 inches 600 mm.

3.2 PROTECTION

A. Protect roof sheathing from moisture until roofing is installed.

END OF SECTION