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 SUBMITTALS

A. Quality Assurance / Control - Technical and engineering data on fasteners to be set by pneumatic devices for Architect's approval of types proposed to be used as equivalents to specified hand set nails.

1.3 QUALITY ASSURANCE

A. Pre-Installation Conference - Participate in pre-installation conference specified in Section 06110.

1.4 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 / ANSI A199.1, PS 2-92, PRP-108, or PRP-133..
      a. Except where plywood is specifically indicated on Drawings, performance rated waferboard, composite board, and oriented strand board (but not structural particle board) are 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 nor more than 19 percent when installed in Project.
   4. Sheathing 3/4 inch 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>
</tr>
</thead>
<tbody>
<tr>
<td>3/8 inch</td>
<td>24/0</td>
</tr>
<tr>
<td>15/32 inch actual</td>
<td>32/16</td>
</tr>
<tr>
<td>1/2 inch nominal</td>
<td>32/16</td>
</tr>
<tr>
<td>19/32 inch actual</td>
<td>40/20</td>
</tr>
<tr>
<td>5/8 inch nominal</td>
<td>40/20</td>
</tr>
<tr>
<td>23/32 inch actual</td>
<td>48/24</td>
</tr>
<tr>
<td>3/4 inch nominal</td>
<td>48/24</td>
</tr>
</tbody>
</table>
B. Nails
1. 3/8 inch panel - 8d common or box.
2. 15/32 inch 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 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 framing.
3. Size -
   a. 15/32 inch actual minimum thickness.
   b. Do not install any piece of wall sheathing with shortest dimension of less than 24 inches.

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 space between sheets at end and side joints.
   c. Stagger panel end joints.
   d. Sheathing shall be continuous of two spans minimum.
2. Nailing -
   a. Place nails at least 3/8 inch in from edge.
   b. Nail 6 inches on center along supported edges.
   c. Nail 12 inches on center on intermediate supports.
   d. Nail 4 inches on center at -
      1) Diaphragm boundaries.
      2) Blocking above plywood sheathed walls and block masonry walls.
      3) At shear wall struts and faschias.
3. Size -
   a. 19/32 inch actual minimum thickness.
   b. Do not install any piece of roof sheathing with shortest dimension of less than 24 inches.

D. Floor Sheathing
1. Subflooring - Bottom Layer of Two
   a. Apply bead of glue to structural supports and apply plywood at right angles to supports.
   b. Nail panel ends at 12 inches on center and along intermediate bearing at 24 inches on center.
   c. Allow expansion gap of at least 1/2 inch at walls.
   d. Size -
      1) 19/32 inch actual minimum thickness.
      2) Do not install any piece of bottom layer floor sheathing with shortest dimension of less than 24 inches.
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 gap at side and end joints, except where tongue and groove subflooring is used.

d. Nail at 6 inches centers on ends and 8 inch centers on intermediate structural members.

e. Size -
   1) 19/32 inch actual 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.

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

END OF SECTION