

SHEATHING INSPECTION CHECKLIST

1. Inspect Particleboard Floor Underlayment (R503.3, Tab. R602.3{1}, Tab 602.3{2})

- _____ A. Determine from grade mark on the particleboard if it is designed for use as floor underlayment, and is Type PBU.
- _____ B. Determine if the particleboard is at least ¼ in. thick.
- _____ C. Determine if fastening complies with Tab. R602.3{1} or Tab.R602.3{2}

2. Inspect Plywood Combination Sub floor Underlayment (R503.2, Tab. R503.2.1{2}, Tab. R602.3{1}, Tab. R503.2.1.1{2})

- _____ A. Determine if the plywood has a grade mark.
- _____ B. Determine from grade mark if the plywood is a Sanded Exterior Type.
- _____ C. Determine if the panels are continuous over two or more spans.
- _____ D. Determine if the face grain is perpendicular to the supports.
- _____ E. Determine if the unsupported edges have tongue-and-groove joints or blocking with lumber unless a ¼ in. underlayment is installed or a ¾ wood finish is used.
- _____ F. Determine from the species group or I.D. index that the panel thickness, and the joist spacing panel spans do not exceed the maximum allowable spans allowable spans specified in Tab. R503.2.1.1{2}.
- _____ G. If the panel is ¾ in. thick or less, then determine if 6d deformed nails or 8d common nails are spaced 6 in. on center at edges and 12 in. on center at intermediate supports.
- _____ H. If the panel is 7/8 in thick, then determine if 8d common or deformed nails are spaced 6 in. on center at edges and 12 in on center at intermediate supports.

3. Inspect Wood Structural Panel Subflooring (R503.2, Tab. R503.2.1.1{1}, Tab. R602.3{1}, Tab. R602.3{2})

- _____ A. Locate the wood structural panel sheathing grade mark.
- _____ B. Determine from the grade mark the span rating of the wood structural panel sheathing.
- _____ C. Determine if the panels are continuous over two or more spans.

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- _____ D. Determine if the panel's long dimension is perpendicular to the joist.
- _____ E. Determine if the edges have tongue-and-groove joints, soled blocking or approved edge supports unless a ¼ in. thick underlayment is installed or the finish floor is a ¾ in. thick wood strip or has 1 ½ in. of concrete or cellular concrete placed over the sub-floor.
- _____ F. Verify from the span rating the panel thickness, and the joist spacing that the actual spans do not exceed maximum allowable spans specified in Tab. R503.2.1{1}.
- _____ G. If the panel is 5/16 in. to ½ in. thick, then determine if 6d common nails are spaced 6 in. on center along the edges and 12 in. on center at the intermediate supports. Requirements specified in Tab. R602.3{2} are also acceptable.
- _____ H. If the panel is 19/32 in. to 1 In. thick, then determine if 8d common nails are spaced 6 in. on center along the edges and 12 in. on center at the intermediate supports. Requirements specified in Tab. R602.3{2} are also acceptable.
- _____ I. If the panel is 1 1/8 in. to 1 ¼ in. thick, then determine if 10d common or 8d deformed nails are spaced 6 in. on center along the edges and 12 in. on center at the intermediate supports. Requirements specified in Tab. R602.3{2} are also acceptable.

4. Inspect plywood roof sheathing [R803.2, Tab. R503.2.1.1(1), Tab. R602.3(1), Tab R602.3(2)]

- _____ A. Determine if the wood structural panel has a grade mark.
- _____ B. Determine from the grade mark on the wood structural panel that it is an exterior type of sheathing. If the panel sheathing is exposed to weather from the underside only (e.g., soffit), it is permitted to be an interior type with exterior glue (Exposure 1).
- _____ C. Determine if the panels are continuous over two or more spans.
- _____ D. Determine if the panel long dimension is perpendicular to the supports.
- _____ E. Determine if the panel edges are supported with solid blocking or an approved edge support.
- _____ F. Using Table R503.2.1.1(1), determine if the panel span is within the allowable spans.
- _____ G. Check for grade mark and proper installation of fire-retardant-treated plywood taking strength reduction factors into consideration.

- _____ H. If the panel is 5/16" to 1/2" thick, then determine if 8d common nails are spaced 6 in. on center at edges, and 12 in. on center at the intermediate supports. Requirements specified in Tab. R602.3(2) are also acceptable.
- _____ I. If the panel is 19/32" to 1" thick, then determine if 8d common nails are spaced 6 in. on center at edges, and 12 in. on center at the intermediate supports. Requirements specified in Tab. R602.3(2) are also acceptable.
- _____ J. If the panel is 1 1/8" to 1 1/4" thick, then determine if 10d common or 8d deformed nails are spaced 6 in. on center at edges, and 12 in. on center at intermediate supports. Requirements specified in Tab. R602.3(2) are also acceptable.

5. Inspect particleboard wall sheathing [R602.3, R602.10.3, Tab. R602.3(1), Tab. R602.3(2), Tab. R602.3(4), R602.10.3, R605]

- _____ A. Determine from the grade mark if the particleboard is designated for use as wall sheathing.
- _____ B. Determine from the grade mark if the particleboard is type M-1 or M-2.
- _____ C. Check that panels are NOT exposed to the weather.
- _____ D. If the panel is 3/8 inch and its grade type is M-1, if the maximum stud spacing is 16"o.c. then determine that siding is nailed to the studs.
- _____ E. If the panel is 1/2 inch and its grade type is M-2, then determine if the maximum stud spacing is 16"o.c. for siding nailed to the studs or sheathing.
- _____ F. If the panels are horizontal, then determine if the end joints are offset such that four corners do NOT meet.
- _____ G. Determine if all panel edges are supported.
- _____ H. Determine if the particleboard wall sheathing has 1/16 inch gaps between each adjoining panel edge.
- _____ I. Determine if the particleboard wall sheathing nails are placed at least 3/8 inch from each panel's edge.
- _____ J. If the panel is 5/16" to 1/2" thick, then determine if 6d common nails are spaced 6 inches on center at edges and 12 inches on center at the intermediate supports. Requirements specified in Tab. R602.3(2) are also acceptable.
- _____ K. If the panels are to be used for wall bracing, then determine if type, location and amount of bracing is as specified in Sect. R602.10.3.

6. Inspect plywood wall sheathing [R602.3, R604, Tab. R602.3(1), Tab. R602.3(2), Tab. R602.3(3), R602.10.3]

- _____ A. Determine if the wood structural panel has a grade mark.
- _____ B. Determine from the grade mark if the wood structural panel type is an Exposure 1.
- _____ C. Using Tab. R602.3(3), determine if the panel span rating is within the allowable spans.
- _____ D. If the panel is 5/16" to 1/2" thick, then determine if 6d common nails are spaced 6 inches on center at edges and 12 inches on center at the intermediate supports. Requirements specified in Tab. R602.3(2) are also acceptable.
- _____ E. If the panel is 19/32" to 1" thick, then determine if 8d common nails are spaced 6 inches on center at edges and 12 inches on center at intermediate supports. Requirements specified in Tab. R602.3(2) are also acceptable.
- _____ F. If the panel is 1 1/8" to 1 1/4" thick, then determine if 10d common OR 8d deformed nails are spaced 6 inches on center at edges and 12 inches on center at the intermediate supports. Requirements specified in Tab. R602.3(2) are also acceptable.
- _____ G. If the panels are to be used for wall bracing, then determine if they are placed as specified in Sect. R602.10.3.