

DIVISION 9 FINISHES

09550 WOOD FLOORING

Part 1 – General

1.1 WORK

- A. Provide all labor and materials required to complete the wood flooring work as listed on the **Scope**, and as specified herein.
- B. When work involves repair and removal of wood flooring in excess of 2 square feet total, work shall comply with [Section 01810 Lead Dust Hazards](#).
- C. When work includes the refinishing of existing wood flooring, work shall comply with [Section 01810 Lead Dust Hazards](#).

1.2 QUALITY STANDARDS

- A. Provide experienced, well-trained workers competent to complete the work as specified.
- B. All work shall comply with manufacturer's instructions and governing building codes.
- C. Provide a certified lead abatement supervisor and certified lead abatement workers per [Section 01810 Lead Dust Hazards](#), if work will involve refinishing of wood floors or the removal and disturbance of more than 2 square feet of wood flooring.

1.3 SUBMITTALS

- A. Do not start work until **Owner** has approved and signed the Owner's Selection Sheet (Appendix A).
 - Supply **Owner** with samples of standard color selections.
 - Provide a copy of the **Owner's** written color selection to **Agency**.
 - Submit to **Owner** manufacturer's flooring care and cleaning instructions, and warranty.

1.4 MATERIALS HANDLING

- A. Provide all materials required to complete the work.
 - Deliver and transport materials to avoid damage to the product or to any other work.
 - Return any products or materials delivered in a damaged or unsatisfactory condition.
 - Materials and products delivered will be certified by the manufacturer to be as specified.
 - Packaging must be sealed with clear manufacturer and identification markings.
- B. Store wood flooring materials in work area for at least 72 hours prior to installation.
 - Protected from weather or moisture.
 - Protected from construction damage.
 - Protected from occupant traffic.

PART 2 – MATERIALS

2.1 FLOORING AND ACCESSORIES

- A. Wood flooring repairs:
 - Provide wood flooring in sizes, species, grades and configurations as similar as possible to the original flooring.
- B. New wood flooring:
 - Select grade plain-sawn Red Oak or White Oak, 25/32" thick, 3-1/4" face width.
 - Tongue and groove, end matched.
 - Install wood nosings at landings and stair treads.
 - Install underlayments per manufacturer's recommendations.
- C. Nails, screws, other fasteners as per flooring manufacturer's specifications.
 - Ring-shank flooring nails must be long enough to securely attach the flooring to substrate.
 - Where possible, nails shall be hidden from view.
 - When nails cannot be hidden, countersink nails and fill holes with manufacturer's recommended filler.

- Nails must not split the flooring.
- D. Install wood baseboard as listed in the **Scope** and as specified herein.
 - Unless otherwise listed in the **Scope**, wood baseboard shall match as closely as possible the architectural characteristics of the original (existing) baseboard.
 - Newly installed wood baseboard and trim shall be painted or stained to match surrounding woodwork.
- E. Install shoe molding to conceal edges at vertical projections, walls, cabinets, etc.
 - Newly installed wood shoe shall be painted or stained to match flooring finish.
- F. Metal transition strips (thresholds):
 - Edge strips shall be no less than 3/4" width, 1/8" thick, butt type, rounded or beveled on the exposed edge with lengths sufficient to minimize joints.
 - Standard color (i.e. silver or gold) per **Owner's** selection.
 - Do not reuse transition strips.

PART 3 – INSTALLATION

3.1 PRECONSTRUCTION AND PREPARATION

- A. Examine and verify that job conditions are satisfactory for speedy and acceptable work.
- B. Prior to installation of new wood flooring:
 - Clear area or room of furniture, appliances, and other obstructions.
 - **Contractor** shall take all necessary precautions to minimize damage to surrounding surfaces during removal and installation of flooring materials.
 - The **Contractor** at the **Contractor's** expense shall repair any surfaces damaged during removal and installation of flooring materials.
 - Remove existing shoe molding, nosings, transition strips (thresholds), etc. to allow for the complete and proper installation of the flooring.
 - Remove base molding only if necessary for a complete and proper installation of new flooring, or if listed in **Scope**.
 - When removal of baseboard or shoe disturbs painted surfaces in excess of two square feet, work shall be done in accordance with [Section 01810 Lead Dust Hazards](#).
 - All debris created shall be properly disposed of by the **Contractor** in accordance with [Section 01810 Lead Dust Hazards](#).
 - Inspect sub-floor for structural deficiencies, soundness, and make any necessary repairs.

3.2 FLOORING INSTALLATION

- A. Flooring shall be installed per manufacturer's instructions and as specified herein.
 - Store wood flooring in work area for 72 hours prior to installation.
 - Reject warped or bent flooring material.
- B. Wood floor layout:
 - Confirm direction of wood flooring strips, patterns, and borders.
 - Confirm the schedule for stripping, sanding and finishing.
 - Extend flooring into closets, recesses, toe spaces, doorways, etc.
 - Flooring shall be smooth without humps or depressions.
 - Butt flooring tightly against vertical surfaces, door jambs, casings, etc.
 - Scribe as necessary to fit around objects and at changes in floor finish materials.
 - Scribed joints must be cut neatly and square.
- C. Nailing:
 - Drive diagonally.
 - Space as required.
 - Nail at ends of each strip.
 - Pre-drill as necessary to prevent splits.
 - Nail type as specified by manufacturer.
- D. Joints:
 - Construct joints within tolerances required by manufacturer.
 - Cut joints: tight, straight, matched, aligned.
 - Stagger joints.
 - Do not allow end joints to occur side by side; separate by at least two strips.

- Do not damage tongue and grooves before or during installation.
 - Use small or varied strips sparingly and never near one another.
 - Provide a minimum of ½” expansion joint space at all walls.
- E. Install shoe molding and baseboard per [Section 06200 Finish Carpentry and Millwork](#) and as specified herein:
- Install wood shoe molding and baseboards tight to wall and floor.
 - Fasten baseboards and/or shoe molding to walls only, not floors, to cover expansion space.
 - Miter joints in shoe moldings and baseboard at outside corners, joints, and at ends.
 - Cope joints at inside corners of shoe molding and baseboard.
 - Install shoe molding and baseboards in adequate lengths to minimize joints.
 - Set and fill all nail holes in shoe molding and baseboard.
 - Finish (stain or paint) shoe molding and baseboard to match surrounding wood work.
 - Existing shoe molding and baseboards maybe reused if material is in good condition, free from damage, and unbroken. **Contractor** shall take care to prevent damage during removal and reinstallation.
- F. Door clearance:
- If necessary, **Contractor** shall undercut doors to allow for proper clearance over new flooring. Door shall not drag or scrape on new flooring. **Contractor** shall take extreme care to not scratch, mar, splinter, or otherwise damage the door or door finish when undercutting.
 - Provide clearances below doors as necessary to allow for; thresholds, weatherstripping, nosings, etc.
- G. Install wood or metal transition strips only where new flooring meets a dissimilar flooring material.
- Transition strips shall be securely installed with screws or nails per manufacturer’s instructions.
 - Transition strips shall be in sufficient lengths to minimize joints.

3.3 FINISHING AND REFINISHING

- A. Finishing of new wood floors:
- Sand new wood flooring consistently smooth, without lumps, depressions, and burns.
 - Before applying finish, thoroughly cleanup and vacuum all sanding dust.
 - Fill all nail holes with manufacturer’s recommended wood filler compound.
 - Apply final finish as soon as possible after final sanding is complete.
 - Apply final finish as per manufacturer’s instructions.
 - Allow at least 24 hours, or longer per manufacturer’s instructions, drying time between finish coats.
- B. Refinishing of existing wood flooring:
- **Prior to refinishing of wood flooring, notify the Milwaukee Health Department – Lead Section (414-286-5033) at least one day in advance of starting work.**
 - Install lead based paint containment measures as outlined in [Section 01810 Lead Dust Hazards](#) prior to starting work.
 - Remove existing wood flooring finish materials using approved lead safe methods as outlined in [Section 01810 Lead Dust Hazards](#).
 - Remove and dispose of debris as outlined in [Section 01810 Lead Dust Hazards](#).
 - After cleanup is complete, containment measures may be removed and properly disposed.
 - Fill all nail holes with manufacturer’s recommended wood filler compound.
 - Apply final finish as soon as possible after finish removal is complete.
 - Apply final finish as per manufacturer’s instructions.
 - Allow at least twenty-four (24) hours, or longer per manufacturer’s instructions, drying time between finish coats.

3.4 FINAL CLEANING

- A. Follow cleaning instructions in [Section 01800 Cleaning and Maintenance](#) and [Section 01810 Lead Dust Hazards](#).

3.5 INSPECTION, REPAIR, AND TOUCH-UP

- A. Securely protect flooring from damage by construction traffic or further construction work.
- B. Repair or replace any damaged or defective work:
- Chipped
 - Scratched

- Marred
 - Stained
 - Joints that are not tight
 - Gaps at walls, jambs, or trim
- C. The **Contractor** shall pay all costs for repairing or replacing defective flooring or flooring which has been damaged as a result of **Contractor** failing to adequately protect flooring.

END OF SECTION – 09550 WOOD FLOORING