

MultiStage Resilient ANCHOR engineered sleeper system



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PART 1-GENERAL 1.1

DESCRIPTION

1. This document specifies Infinity Wood Floors wood strip athletic floor system consisting, in general, of wood subflooring, Infinity Wood Floors Northern Hard Maple flooring, vapor retarder, vertical restraints (system specific), sanding, sealers, finishes, game lines, and wall base.
2. The general contractor and concrete contractor shall provide a concrete slab, smooth troweled and level to a tolerance of 1/8" (3mm) in a 10'0" (3m) radius, subject to the approval of the wood flooring contractor. Floor leveling or grinding to facilitate these tolerances to be the responsibility of the general contractor.
3. Concrete slab depression of 2 ¼" (57.55 mm) to accommodate either 7/16" (11mm) or 3/4" (19.05 mm) Infinity Wood Floors *Enviro Pads* along with one layer of 3/4" (19.05 mm) engineered plywood sleepers, one layer of ½" plywood and 25/32" (20mm) thick Infinity Wood Floors northern hard maple flooring.
4. If concrete slab cannot be depressed to accommodate depression; adequate ramping and thresholds may be required. Shop drawings will be required.
5. Concrete subfloors shall have an adequate vapor retarder beneath and at the perimeter of the slab. No pea gravel, river gravel or slag aggregate shall be allowed in the concrete. The concrete strength range at the time of wood flooring installation shall be between 3,000 PSI and 3,500 PSI.

SUPPLIER QUALIFICATIONS

1. Maple flooring supplier shall be Infinity Wood Floors
2. Flooring system design to be Infinity Wood Floors *MultiStage Resilient Anchor* engineered sleeper system
3. Maple flooring shall be Infinity Wood Floors Northern Hard Maple
4. Flooring installer must be approved by Infinity Wood Floors

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WORKING CONDITIONS

1. The floor system shall not be delivered or installed until the concrete slab is properly cured and all masonry, plastering, tile work and overhead mechanical trades are completed, and building is permanently enclosed and weathertight.
2. Permanent heat, light and ventilation shall be installed and operative during and after installation, maintaining a temperature range of 55o F (13 o C) to 75o F (24 o C) and a relative humidity range of 35% - 55% or that changes no more than 15% from low to high humidity levels.
3. HVAC System shall be operating in balance at levels and conditions consistent with those during permanent occupancy.
4. General contractor will ensure a closed, dust free working environment during the installation, sanding and finishing process.
5. No other trades allowed in work area during the installation, sanding and finishing process.

Warranty

Infinity Wood Floors hereby warrants the flooring materials to be free from manufacturing defects for a period of one year from the date of substantial completion. This warranty is expressly limited to the flooring materials supplied by Infinity Wood Floors. The warranty is in lieu of all other warranties, expressed or implied including but not limited to any warranty of fitness for a particular purpose, and of any other obligations of Infinity Wood Floors. This warranty does not cover floor damage caused by conditions beyond our control, such as fire, wind, faulty maintenance, improper ventilation, lack of humidity, excessive humidity, faulty construction of building, Act of God, ordinary wear and tear, failure of concrete slab, settlement of walls, poor installation methods, faulty subfloor. In the event of breach of any warranty, the liability of Infinity Wood Floors shall be limited to repairing of the current floor system, replacing material and system components supplied by Infinity Wood Floors proven to be defective in manufacturing, and shall not include any other damages, either direct or consequential. No extended warranties are included unless otherwise stated.

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PART 2-PRODUCTS

2.1 MATERIAL

1. Flooring shall be Infinity Wood Floors 25/32" (20mm) thick x 2 ¼" (57mm) or 1 ½" (38mm) wide First, Second and Better, or Third Grade, random length continuous tongue and groove and end-matched Northern Hard Maple, grade marked and stamped and manufactured by Infinity Wood Floors.
2. Vapor retarder shall be 6 mil polyethylene.
3. Pads shall be 7/16" (11mm) Enviro Pads provided by Infinity Wood Floors.
4. Subfloor shall be Infinity Wood Floors Multistage Anchor engineered sleeper system with ¾" X 3" X 8' engineered sleepers with 7/16" Infinity Enviro pads stapled to the engineered sleepers and fastened to the concrete slab with approved concrete fasteners in each fasten point at 16" OC, 1 layer 15/32" exposure 1 plywood fastened to the engineered sleepers. (See technical data)
5. Fasteners 1. Flooring fasteners shall be 2" (51mm) barbed cleat or 15 gauge (1.8mm) coated staples. 2. Subflooring fasteners shall be 1" (25mm) cleats or staples.
6. Wall base shall be 3" x 4" (76mm x 102mm) Vent Cove heavy duty molded, vented base with premolded outside corners as supplied by Infinity Wood Floors. Colors: black or brown.
- G. Finish material shall be applied according to finish manufacturer's instructions.
- H. Game line paint shall be compatible with finish and approved by the finish manufacturer.

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PART 3-EXECUTION

3.1 INSPECTION

1. Inspect concrete slab for proper tolerance and dryness and report any discrepancies to the general contractor for correction.
2. The concrete slab shall be cleaned of all debris so flooring contractor will have adequate access to work surface.
3. All overhead work and wet trades shall be complete in floor work area.
4. Solid blocking shall be attached to areas under bleachers in the closed position. Solid blocking shall match the thickness of system pad. Solid blocking shall be a minimum of 4" wide and 12" O.C.
5. Expansion Provisions-Size joints between maple flooring strips to allow for intermediate expansion in accordance with expected humidity changes and conditions in the space. Or use Infinity Wood Floors Moisture Compensation Edge (MCE) flooring.

3.2 INSTALLATION

1. Installation per NWFA standards

3.3 FLOOR SANDING

1. Machine sand with coarse, medium, and fine paper to a smooth, even, and uniform surface.
 2. Remove sanding dust from entire surface by tack of vacuum.
- C. Infinity Wood Floors recommends NWFA sanding and finishing guidelines.

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3.4 FINISHING

1. Inspect entire area of floor to ensure that surface is acceptable for finishing, completely free from sanding dust and debris before applying sport floor recommended sealers and finishes.
2. Apply seal and finish per finish manufacturer's instructions.
3. Buff and clean floor between each coat or as necessary.
4. Paint game lines as shown on drawings, between seal coats per finish manufacturers recommendations.
5. Game line paint shall be compatible with finish per finish manufacturers specifications.

3.5 BASE INSTALLATION

- A. Install Vent Cove base, mitering inside corners and anchoring to walls with base cement or screws and anchors.

3.6 MAINTENANCE

- A. Upon completion of floor installation, the owner, attendants, or individuals in charge and responsible for the upkeep of the building are required to follow finish manufacturers recommendations on care, with daily, weekly, monthly, and yearly cleaning and recoating to ensure the longevity of your Infinity Wood Floor.