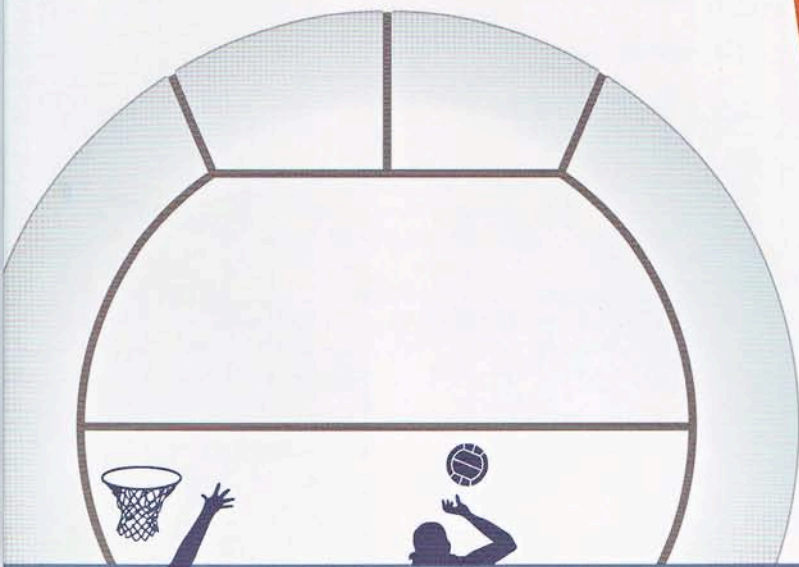
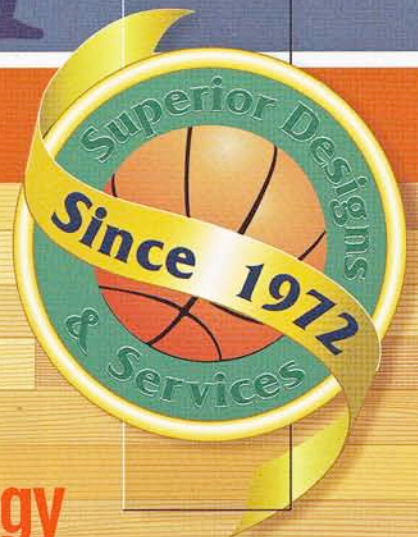


# Southern Flooring Inc.



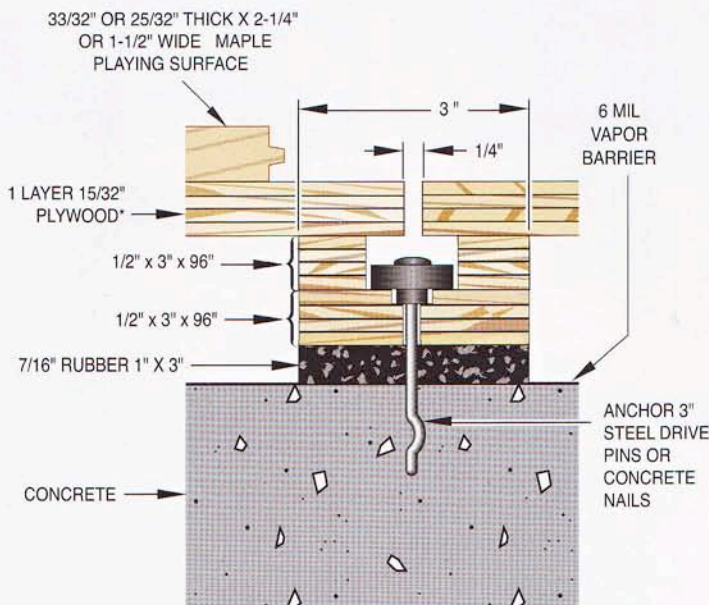
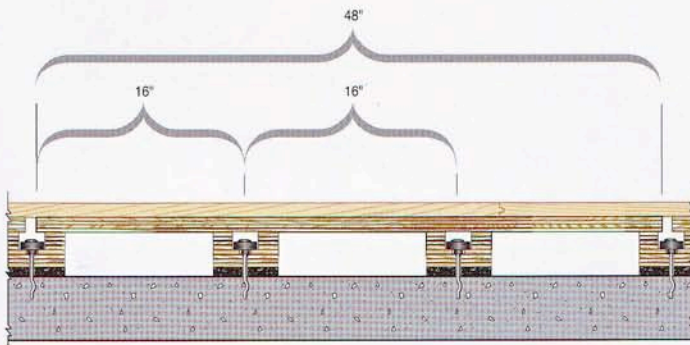
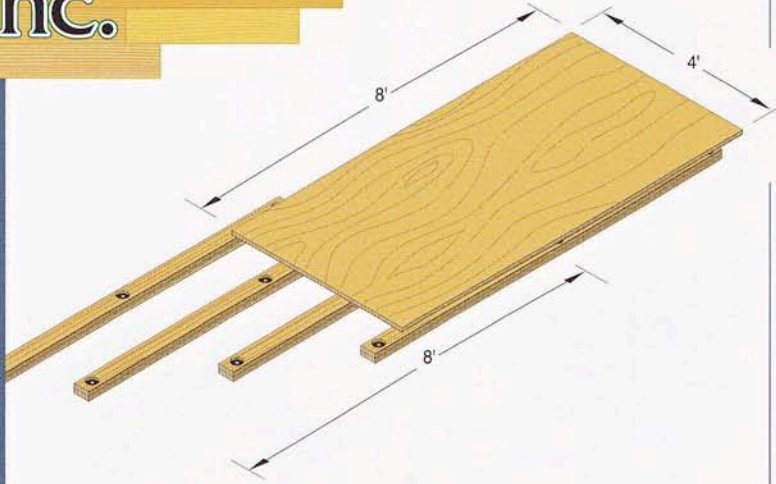
PRO-ANCHORED SLEEPER



**Innovations in sport surface technology**

Southern Flooring Inc. • 6820 Augusta Road • Greenville, SC 29605 • Telephone (864) 277-8238 or Toll Free 1-888-558-8238

# Southern Flooring Inc.



## PART 1 - GENERAL SPECIFICATIONS

### 1.1 DESCRIPTION

- A. This document specifies a wood strip gymnasium floor system providing resiliency and substrate anchorage consisting, in general, of a vapor barrier, resilient pads, plywood sleepers, plywood\* sub-floor, collared steel anchors, maple flooring, sanding, sealers, finishes, game line striping, wall base and thresholds.
- B. The general contractor shall provide a concrete slab smooth troweled and level to a tolerance of 1/8" in a 10' radius, subject to the approval of the wood flooring contractor. LABOR AND MATERIALS NECESSARY TO PUT THE CONCRETE SLAB IN ACCEPTABLE CONDITION (HIGH AREAS GROUND DOWN AND LOW AREAS FILLED WITH THE APPROVED LEVELING COMPOUNDS) SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR.
- C. Concrete sub-floors on or below grade shall have an adequate moisture barrier beneath and at the perimeter of the slab and on the earth side of below grade wall.
- D. Concrete slab depression shall be 2-1/4" for 25/32", or 2-1/2" for 33/32" maple.

### 1.2 SUBMITTALS

- A. General: Submit the following according to Conditions of Contract and Division 1 Specification Section:
  1. Product data including manufacturer's detailed technical product data and instruction for installation, handling, storage, moisture protection, anchorage, finishing, protection and maintenance.
  2. Shop drawings showing layout and installation details including method of attachment, moisture proofing, substrate conditions, method of construction, relationships to surrounding construction, perimeter venting, base and trim details and other information and components not fully dimensioned or detailed in manufacturer's product data. Include layout, colors, widths and dimensions of game lines and markings.
  3. Samples of flooring finish together with color chips for game line markings.

### 1.3 QUALITY ASSURANCE

- A. Installer qualifications: Installer shall have a minimum of 7 years experience with installation and finishing.
- B. Single-Source Responsibility for Flooring System: Engage a qualified installer for the Sports Panel Anchored System to assume undivided responsibility for installing the complete flooring system, including (where applicable): moisture barrier, anchored sub-floor system, resilient mounts, vent cove base, thresholds, finish, marking and other accessory items indicated.
- C. General Standard: Comply in accordance with the Maple Flooring Manufacturing Association (MFMA) standard and recommendation for flooring including grading rules.

### 1.4 DELIVERY, STORAGE AND HANDLING

- A. Protect wood flooring from excessive moisture in shipment, storage and handling. Deliver in unopened cartons or bundles and store in a dry place with adequate air circulation. Do not deliver material to building until "wet work" such as concrete and plaster have been completed and cured to a condition of equilibrium.
- B. Moisture Content of Maple Flooring: At time of delivery to project, maintain 6 to 9 percent average moisture content.

### 1.5 PROJECT CONDITIONS

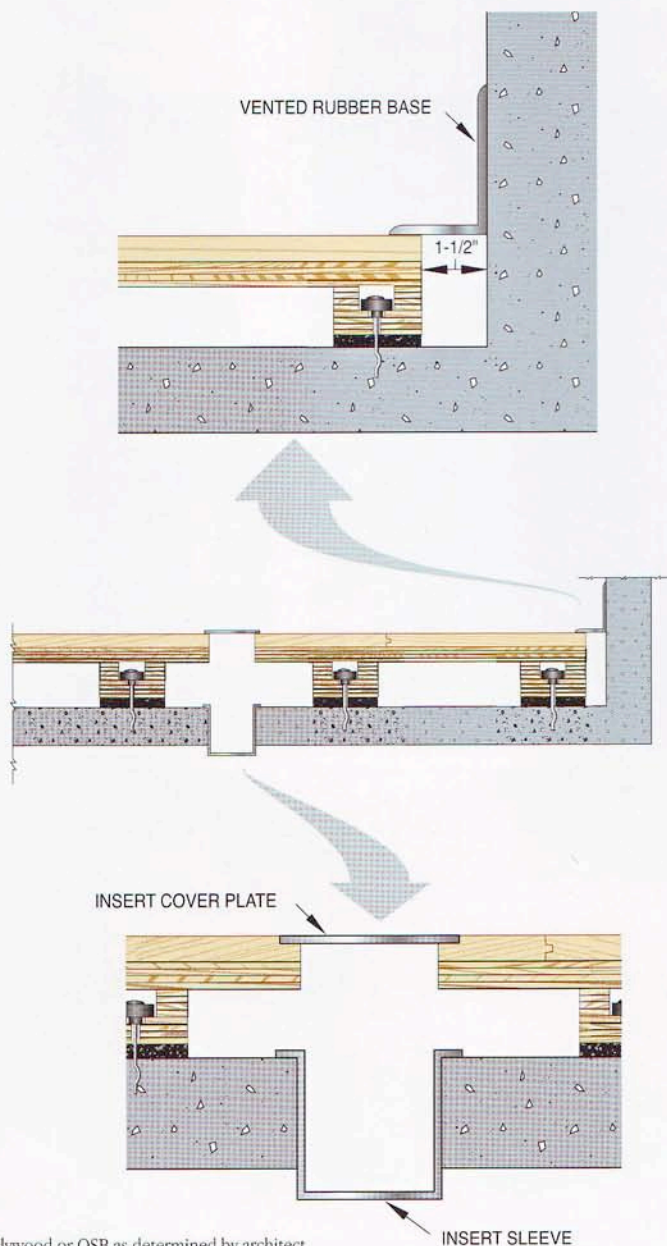
- A. Conditioning: Do not proceed with delivery and installation of wood flooring until spaces to receive flooring are enclosed, dry and maintained at approximately same humidity conditions as planned for occupancy. Place wood flooring materials in spaces to be floored 7 days before starting installation. Open sealed packages of wood flooring to permit natural adjustment of moisture content. Maintain ambient temperature in range of 55 to 75 degrees F, and a relative humidity range of 35 to 50 percent before, during and after installation of wood flooring.

\*Plywood or OSB as determined by architect

## PART 2 - PRODUCTS

### 2.1 MATERIALS

- A. Vapor barrier shall be 6-mil polyethylene.
- B. Resilient pads shall be 7/16" x 1" wide x 3" long.
- C. Sub-floor sleeper
  - 1. Sleepers shall be 1" x 3" x 8' plywood assemblies with anchoring pockets provided.
- D. Sub-floor sheeting
  - 1. Sub-floor shall be 15/32" CDX plywood sheeting.
- E. Flooring
  - 1. Flooring shall be 33/32" or 25/32" thick x 2-1/4" or 1-1/2" wide, First, Second and Better or Third grade, continuous tongue and groove and end matched Northern Hard Maple, graded in accordance with MFMA or CLA.
- F. Fasteners
  - 1. Flooring - 2" coated staples.
  - 2. Sub-floor - 1-1/2" coated staples.
  - 3. Concrete - 3" collared, steel drive pins or concrete nails.
- G. Finish materials:
  - 1. World Class Court and Gym Sealer by National Coatings.
  - 2. World Class Court and Gym Finish by National Coatings.
- H. Game line paint shall be compatible with finish.
- I. Wall base: 3" x 4" heavy duty, molded, vented rubber cove base.
- J. Aluminum thresholds: 1/4" crown x 6" wide with tapered edges.



\*Plywood or OSB as determined by architect

## PART 3 - EXECUTION

### 3.1 INSPECTION

- A. Inspect concrete slab for proper tolerance and dryness, and report any discrepancies to the general contractor.

### 3.2 INSTALLATION

- A. Cover entire slab with 6-mil. polyethylene, sealing and lapping joints a minimum of 6".
- B. Sub-floor sleepers
  - 1. Place sleepers 16" on center at a right angle to finished flooring, staggering end joints 48" in adjacent rows. Provide 1-1/2" expansion voids at the perimeter and at all vertical obstructions.
- C. Secure sleepers to concrete with steel anchors inserted into pre-drilled anchor pockets.
- D. Install plywood sub-floor with 8' edges parallel to and resting on sleepers. Set plywood in a staggered brick pattern offsetting plywood end joints by 24" from sleeper end joints, 1/4" spacing on all edges. Fasten plywood to sleepers using 1-1/2" staples fastened 8" on center along all sleeper locations. Provide 1-1/2" expansion voids at the perimeter and at all vertical obstructions.
- E. Install flooring parallel to main playing court by power nailing or stapling 12" on center to plywood sub-floor system.
  - 1. If required, size joints between flooring strips to all for intermediate expansion in accordance with local humidity conditions.
  - 2. Provide 1-1/2" expansion voids at the perimeter and at all vertical obstructions.

### 3.3 FLOOR SANDING

- A. Machine sand with coarse, medium and fine paper to a smooth, even and uniform surface.
- B. Remove sanding dust from entire surface by tack rag or vacuum.
- C. Refer to MFMA sanding and finishing guide for procedures.

### 3.4 FINISHING

- A. Inspect entire area of floor to insure that surface is acceptable for finishing, completely free from sanding dust and perfectly clean.
- B. Apply two coats of sealer.
- C. Buff and clean floor between each coat.
- D. Tape and paint game lines as shown on drawings, between seal and first coat of finish.
- E. Game line paint shall be compatible with finish.
- F. Apply two coats of finish.
- G. Buff and clean floor between each coat.

### 3.5 BASE AND THRESHOLD INSTALLATION

- A. Install vent cove base to walls with base cement or screws. Use pre-molded outside corners and mitered inside corners.
- B. Install aluminum thresholds at interior doors and areas where wood flooring adjoins other flooring.

### 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 to see that the care and maintenance instructions of the Care Card are followed.

### 3.7 WARRANTY

- A. Southern Flooring, Inc. warrants its installation for a period of one (1) year from the date of substantial completion against defects arising due to faulty material or workmanship.
- B. This warranty does not cover damage caused by fire, winds, floods, chemicals or neglect of reasonable precaution to provide adequate ventilation during hot and humid weather. This warranty also does not cover damage due to excessive dryness or excessive moisture from humidity, spillage, migration through the slab or wall or any other source. Furthermore, this warranty does not cover damage to the floors caused by ordinary wear and tear, faulty construction of building, failure of other contractors to adhere to specifications, separation of concrete slab, settlement of walls, or use of water on floor.