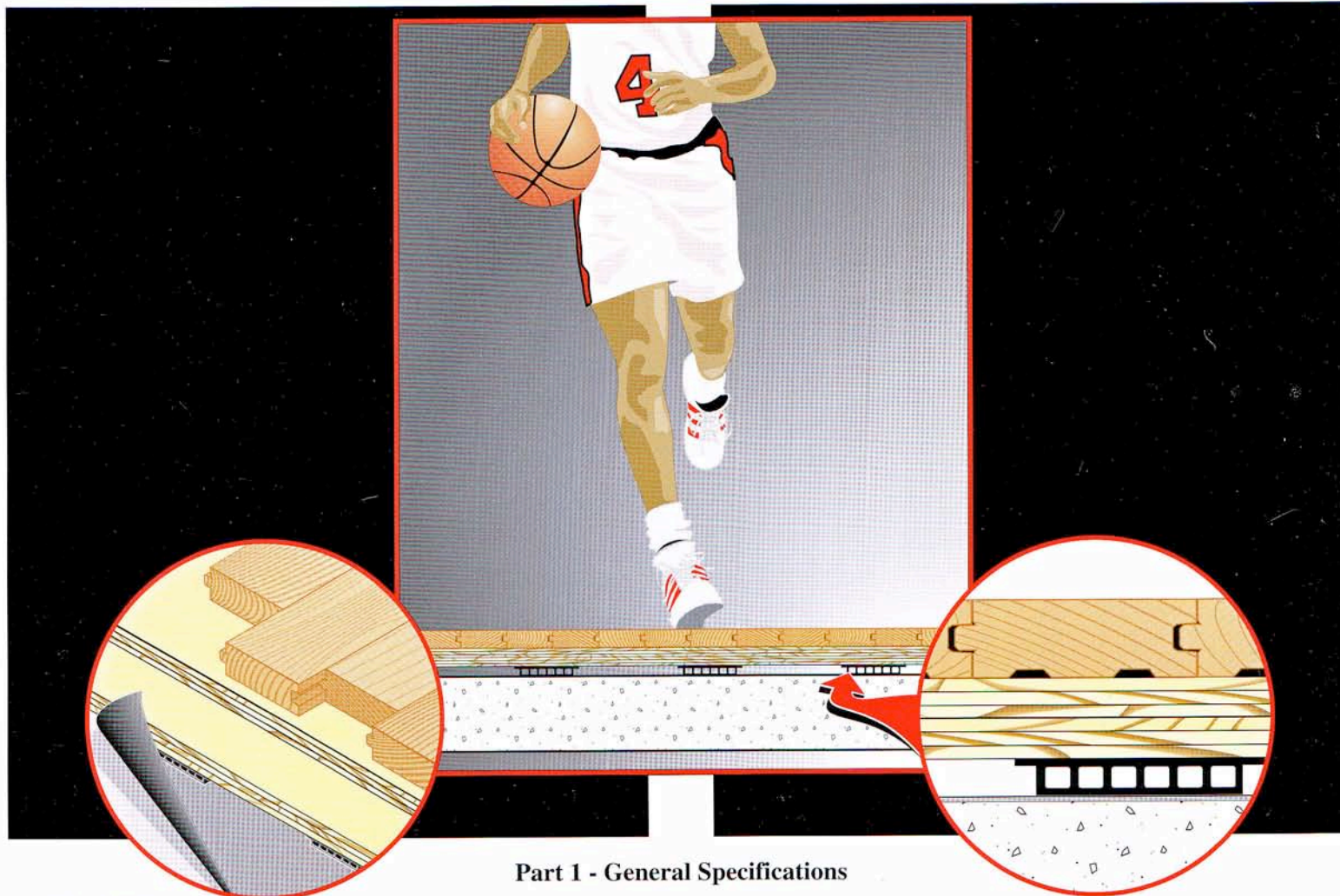


## Southern Cush I Specification



### Part 1 - General Specifications

#### 1.1 DESCRIPTION

A. This document specifies a wood strip gymnasium floor system consisting, in general, of wood sub-flooring, maple flooring, vapor barrier, sanding, sealers, finishes, game lines and wall base.

B. The general contractor shall provide a concrete slab smooth troweled and level to a tolerance of 1/8" in a 10'0" 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.

1. Concrete slab depression is for 3/8" pad. For 5/8" pad add 1/4" to dimensions below. SOUTHERN CUSH I Panel System - 2-3/16" for 25/32", 2-3/8" for 33/32".
2. Concrete subfloors 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.

#### 1.2 SUBMITTALS

A. General: Submit the following according to Conditions of Contract and Division I Specification Sections.

1. Product data including manufacturer's detailed technical product data and instructions for installation, handling, storage, moisture protection, anchorage, finishing, protection and maintenance.
2. Shop drawings showing layout and installation details including method of attachment, 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 product as well as manufacturer.

B. Single-Source Responsibility for Flooring System: Engage a qualified Installer for the panel flooring system to assume undivided responsibility for installing the complete flooring system, including (where applicable): moisture barrier, anchorage system, sleepers (or channels), sub flooring or underlayment, adhesives or mastics, resilient mounts, flooring, trim, expansion provisions, finish, markings and other accessory items indicated.

C. General Standard: Comply in accordance with the Maple Flooring Manufacturing Associations (MFMA) standards and recommendations for flooring including grading rules.

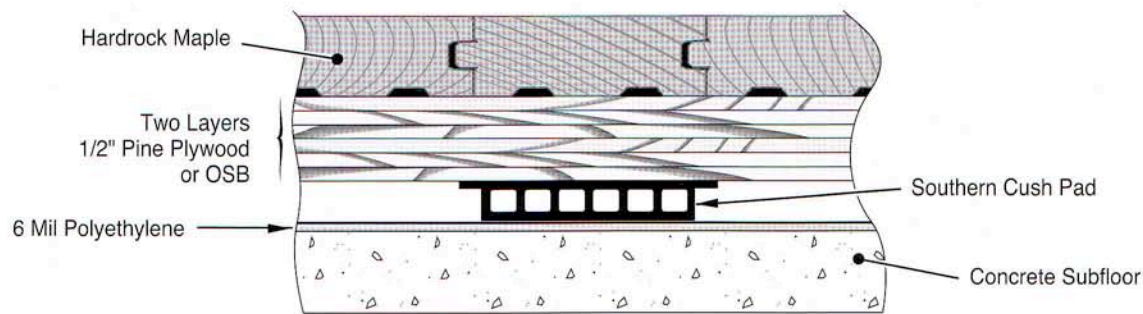
#### 1.4 DELIVERY, STORAGE, AND HANDLING

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: At time of delivery to Project, maintain 6 to 9 percent average moisture content.



## Southern Cush I Specification



### 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 condition 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°F to 75°F and a relative humidity range of 35 to 50 percent before, during, and after installation of wood flooring.

### Part 2 - Products

#### 2.1 MATERIALS

- A. Flooring
1. Flooring shall be 3/32" 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 NOFMA.
- B. Vapor barrier shall be 6 mil polyethylene.
- C. Southern pads shall be 3/8" x 2-1/4" x 3" or 5/8" x 2-1/4" x 3" and attached 12" o.c. as supplied by Southern Flooring, Inc.
- D. Wall Base shall be 3" x 4" Gym Cove heavy duty molded, vented vinyl base with premolded outside corners.
- E. Finish material shall be Atlantic Coast Coatings Seal and Finish.
- F. Fasteners
1. Flooring fasteners shall be 2" barbed cleat or 15 gauge epoxy coated staples.

### Part 3-Execution

#### 3.1 INSPECTION

- A. Inspect concrete slab for proper tolerance and dryness, and report any discrepancies to the general contractor.
- B. The concrete slab shall be free of all debris so flooring contractor will have adequate access to work surface.

#### 3.2 INSTALLATION

- A. Cover concrete with poly, sealing and lapping joints a minimum of 6".
1. Install first layer of 1/2" x 4' x 8' sheathing grade exterior glue line plywood or OSB. with 32 cushions attached 12" o.c. with 1/4" spacing between adjoining sheets. Perimeter rows of cushions not more than 6" from edge of sheet to center of cushion. Install second layer of plywood or OSB without cushions at 45 to 90 degree angle over the first layer and securely fasten to bottom layer.
- B. Install finish flooring parallel with the main playing court by power nailing or stapling approximately 12" o.c.

1. Space joints between flooring strips to allow for intermediate expansion, as designated by the installer and in accordance with humidity controls in the region.
2. Provide 1-1/2" expansion voids at 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 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 seal and finish per manufacturer's instructions.
- C. Buff and clean floor between each coat.
- D. Paint game lines as shown on drawings, between seal and first coat of finish.
- E. Game line paint shall be compatible with finish.

#### 3.5 BASE INSTALLATION

- A. Install vent cove base to walls with base cement or screws. Use premolded outside corners and mitered inside corners.

#### 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 installations for a period of one (1) year from the date of substantial completion against defects arising due to faulty materials 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.