

BuildingName
The Description of the Project
P00000000 0000

ARCHITECTURE & ENGINEERING
326 East Hoover, Mail Stop B
Ann Arbor, MI 48109-1002
Phone: 734-764-3414
Fax: 734-936-3334

SPECIFICATION DIVISION 9

NUMBER SECTION DESCRIPTION

DIVISION 09 FINISHES

SECTION 096466 - WOOD ATHLETIC FLOORING

END OF CONTENTS TABLE

DIVISION 09 FINISHES
SECTION 096466 - WOOD ATHLETIC FLOORING

PART 1 - GENERAL

PRODUCTS AND SYSTEMS DESCRIBED IN THIS SECTION ARE OBSOLETE. IT IS RETAINED ONLY AS A "MODEL" TO ASSIST IN WRITING AN APPROPRIATE SPECIFICATION. CONSIDER OBTAINING THE AIA MASTERSPEC SUPPLEMENTAL SECTION OF THE SAME SECTION NUMBER AND NAME.

1.1 SUMMARY

- A. Extent of gymnasium floor is indicated on Drawings.
- B. Types of gymnasium floors include:
 - 1. Maple strip gym flooring.

1.2 SUBMITTALS

- A. Product Data: Submit mfr's specifications and installation instructions for each gymnasium flooring system. Include instructions for handling, moisture protection, anchorage finishing protection and maintenance. Indicate by copy of transmittal that Installer has received a copy of each instruction.

INCLUDE BELOW FOR ALL PROJECTS.

- B. Affidavits of Compliance to be included in final inspection manual:
 - 1. Provide manufacturer's letter of certification showing compliance with finish testing and classification requirements referenced by current adopted NFPA 101 "Life Safety Code".
 - 2. Letter shall include project number, project name, and building name.

1.3 QUALITY ASSURANCE

- A. Comply with Maple Flooring Manufacturer's Association (MFMA) standards and recommendations for maple flooring.

1.4 DELIVERY, STORAGE AND HANDLING

- A. Deliver and store wood materials after wet operations in building are complete, heating and ventilating equipment is operational, and temperature and humidity conditions have stabilized.

1.5 WARRANTY

- A. Provide 3 year warranty covering the following, in addition to mfr's standard 1 year warranty for finished wood flooring and associated work:

1. Repair or replace flooring which shrinks, cracks, warps, or otherwise deteriorate excessively, or which buckles, delaminates, or breaks anchorage or bond with substrate.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Manufacturers/Systems: Subject to compliance with requirements of this Section, provide products of one of the following:

AGA Inc.: Duracushion I.
Connor Forest Industries: Rezill-Aire.
Horner Flooring Co.: Thrust-A-Cushion Panel System.
Robbins Inc.: Permacushion II Panel System.
Superior Floor Co: Super-Aire System."

2.2 MATERIALS AND ACCESSORIES

- A. Vapor Barrier: 6 mil polyethylene.
- B. Subfloor: 1/2 inch by 4 feet by 8 feet C-D exterior grade plywood.
- C. Resilient Mounting Pads: Mfr's standard 3/8 inch by 2-1/4 inch by 3 inch PVC.
- D. Wood Flooring: Tongue and grooved and end matched; kiln dried; MFMA grade marked and stamped; and as follows:
 1. Species: Northern Hard Maple (acer saccharum).
 2. Size: 33/32 inches thick by 1-1/2 inch wide.
 3. Grade: Second and Better.
 4. Grain: Flat.
- E. Molding and Base: Manufacturer's standard ventilating, coved, rubber base with pre-molded outside and inside corners.
 1. Color: Black.
 2. Size: 3 inches by 4 inches.
- F. Expansion Joint Covers: One of the following recessed, serrated (fluted), aluminum expansion joint covers for 2" wide joints:

Balco Inc.: Model AFWS-1-2m
Metalines Inc.: Model 1425
MM Systems Corp.: Model X-A2MV
- G. Finish: Polyurethane sealer and finish recommended by flooring mfr.
 1. Game Lines: Enamel paint recommended by flooring mfr, and compatible with floor finish. Colors to selected from paint mfr's standard color range.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine concrete slab substrate for compliance with mfr's tolerance, dryness and cleanliness requirements. Allow excess moisture to dry before proceeding with installation.

3.2 PREPARATION

- A. Clean slab of construction debris, oil, grease and other substances determined by mfr to have a deleterious effect on installation
 - 1. Do not begin installation operations before completion of adjacent masonry work, and overhead mechanical, electrical, and painting work have been completed.

3.3 INSTALLATION

- A. Vapor Barrier: Lap joints 4 inches and cement with cold asphalt.
- B. Flooring System: In general, install flooring system components in strict accordance with mfr's directions. Install self-storing volley ball post hatches and frames (under Alternate No. 6).
- C. Sanding: Machine sand with a progression of coarse, medium and fine papers to produce a smooth, even and uniform surface.
 - 1. After sanding operations are completed, remove dust from entire surface by vacuum or other method.
- D. Finishing: Apply 2 coats sealer and 2 finish coats at manufacturer's recommended rate, but no thinner than 500 square feet per gallon. Buff and clean floor between each coat.
 - 1. Game Lines: Paint basketball and volley ball game lines, and center-court and perimeter graphics. Comply with official NCAA game line rules, and as indicated on Drawings.
- E. Base Installation: Install vent cove base and expansion joint covers as indicated, and to comply with mfr's recommendations.

3.4 CLEANING AND PROTECTION

- A. Clean gym flooring surfaces at the completion of construction operations, in strict accordance with manufacturer's directions.
- B. Protect finished installation from damage caused by continuing building construction operations.
- C. Repair damaged or defective surfaces to the satisfaction of the Architect, or remove and replace damaged or defective surface as directed by the Architect.

END OF SECTION 096466