

SECTION 09 64 70 - WOOD FLOOR REFINISHING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes wood floor refinishing in following rooms:
 - 1. Auditorium 164 and Stage 164A (refer to Drawing A-A3 for areas to be refinished).
 - 2. Gymnasium 169.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated. Include material descriptions and finishes for wood athletic flooring.
- B. Samples for Initial Selection: Manufacturer's color charts showing colors and glosses available for the following:
 - 1. Floor finish.
 - 2. Game-line and marker paint.
 - 3. Cork expansion joint.
 - 4. Vented wall base.
- C. Samples for Verification: For each type of wood athletic flooring and accessory required; approximately 12 inches long and of same thickness and material indicated for the Work.
 - 1. Include Sample sets showing finishes and game-line and marker paint colors applied to wood flooring.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For qualified Installer.
- B. Project Conditions: Submit daily reports of temperature and humidity conditions during conditioning period.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For finish systems to include in maintenance manuals.

1.6 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
 - 1. Review specification requirements.
 - 2. Review installation procedures.
 - 3. Inspect project conditions.

1.7 QUALITY ASSURANCE

- A. Installer Qualifications: An experienced Installer and member of MFMA who has completed wood floor refinishing similar in material and extent to that indicated for this Project and whose work has resulted in refinishing with a record of successful in-service performance with not less than five (5) years experience installing similar floors.
- B. Source Quality Control: Obtain materials from single manufacturer or source, to ensure match of quality and color.

1.8 FIELD CONDITIONS

- A. Conditioning period begins not less than three days before wood floor refinishing.
 - 1. Environmental Conditioning: Maintain an ambient temperature between 65 and 75 deg F and relative humidity planned for building occupants, but not less than 35 percent or more than 50 percent, in spaces to receive wood athletic flooring during the conditioning period.

1.9 COORDINATION

- A. Coordinate layout and installation of wood athletic flooring systems with existing floor inserts for gymnasium equipment. Confirm layout with Architect.

PART 2 - PRODUCTS

2.1 FINISHES

- A. Floor-Finish System: System of compatible components that are MFMA approved.
 - 1. Floor-Sealer Formulation: Pliable, penetrating type. MFMA Group 1, Sealers.
 - 2. Finish-Coat Formulation: Formulated for gloss finish indicated and multicoat application.
 - a. Type: MFMA Group 3, Gymnasium-Type Surface Finishes.
 - b. Color of stage floor shall be black as indicated on Drawings.
 - 3. Game-Line and Marker Paint: Industrial enamel compatible with finish coats and recommended in writing by manufacturers of finish coats, and paint for this use.

2.2 ACCESSORIES

- A. Resilient Wall Base: Molded, vented, rubber or vinyl cove base; 4 by 3 by 48 inches; with premolded outside corners.

1. Color: Black
- B. Cork Expansion Strip: Cork Expansion Joint by W.R. Meadows or equal product of another manufacturer acceptable to Architect.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine existing wood flooring that will be refinished and conditions under which work will be performed. Do not proceed with work until unsatisfactory conditions have been corrected in manner acceptable to Refinisher.
- B. Check for Dryness: Before proceeding with sealing of wood flooring, check for dryness. If not sufficiently dry, as determined by Refinisher, dry substrate until satisfactory to manufacturer of floor sealer.

3.2 PREPARATION

- A. Existing bleachers shall be disconnected from electric power, unbolted from the walls and removed for complete sanding and refinishing of the floor surface. Reinstall and reconnect bleachers at the completion of sanding and refinishing operations.

3.3 SANDING AND FINISHING

- A. Follow applicable recommendations in MFMA's "Industry Recommendations for Sanding, Sealing, Court Lining, Finishing, and Resurfacing of Maple Gym Floors."
- B. Machine sand with coarse, medium, and fine grades of sandpaper down to raw wood to achieve a level, smooth, uniform surface without ridges or cups. Sand final pass with 000 sandpaper. Remove sanding dust by tack or vacuum.
- C. Polyurethane Sealer: Apply wood sealer (2 coats) in accordance with manufacturer's instructions, including machine buffing with steel wool, in-the-wet when recommended by manufacturer.
- D. Polyurethane Finish: Apply floor finish in accordance with manufacturer's instructions. Apply as many coats as needed to build a minimum dry film thickness of 3 mils. Follow manufacturer's recommendations for drying time between coats. Buff between each coat. Retain empty containers for confirmation of film thickness. Prevent traffic on finished floor for a minimum of 10 days.
 1. Lines and Markers: Prior to application of floor finish, lay out lines, fields and other markings as indicated for colored enamel application. Mask flooring to provide sharp edges. Apply gym enamel in 1.0 mil thickness, in colors as indicated, or as selected by Architect. Where game lines cross, break minor game line at intersection; do not overlap lines.

3.4 PROTECTION

- A. Protect wood floor during remainder of construction period to allow finish to cure and to ensure that flooring and finish are without damage or deterioration at time of Substantial Completion.
 1. Do not cover flooring after finishing until finish reaches full cure and not before seven days after applying last finish coat.

2. Do not move heavy and sharp objects directly over flooring. Protect fully cured floor finishes and surfaces with plywood or hardboard panels to prevent damage from storing or moving objects over flooring.

END OF SECTION 09 64 70