TECHNICAL SPECIFICATIONS

Project AE0607-985

Wood Floor Sanding, Screening and Refinishing at the University of West Florida

January 2007
SECTION 09640 - WOOD FLOORING

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes the following:
   Scope of work: Sanding, screening and refinishing of various wood floors at the main Campus. The scope of work is to include but not limited to one of the following options:
   1. Sanding, sealing, painting lines/graphics and three (3) finish coat applications.

   **Building 54**
   Rm. 104 Main Gym 23,900 sq. ft.
   Note: Center Court – Paint graphics per UWF Athletic guidelines for graphics and colors provided and standard NCAA approved lines for basketball and volleyball.
   Side Courts – Paint standard NCAA approved lines for basketball and volleyball.

   2. Screening, refinishing, and minor touch-up line paint.

   **Building 209**
   Racquetball Court #1 800 sq. ft.
   Racquetball Court #2 800 sq. ft.

   **Building 82**
   Rm 299 (blackbox) - 2,400 sq. ft.
   Rm. 228A - 2,777 Sq. ft.

   **Building 72**
   Rm. 107 Teaching Gym 6,200 sq. ft.
   Rm. 129 Green Studio 1,925 sq. ft.
   Rm. 130 Recreation Gym 19,891 sq. ft.
   Rm. 133 Racquetball Court # 1 - 811 sq.ft.
   Rm. 134 Racquetball Court # 2 - 808 sq.ft.
   Rm. 135 Racquetball Court # 3 – 808 sq.ft.
   Rm. 136 Racquetball Court # 4 – 811 sq.ft.
   Rm. 138 Blue Studio 3,039 sq.ft.

   Screen, touch up line paint as needed and apply three (3) finish coats (no seal coat) on all floors identified above. The contractor shall tape off and cover any in floor outlet covers or equipment receiving covers prior to finish application. Contractor shall assure that all floor fixtures are operable once project is complete.

B. In the event you have any questions regarding this document or the instructions stated please contact Mark Pursell, Associate Director Facilities Management at 850-474-3240 or e-mail mpursell@uwf.edu if needed.

1.2 SUBMITTALS

A. Product Data: For each product indicated.
   1. Submittal of a total of six (6) sets material safety data sheet shall be submitted to the project manager for review prior to start of any work.
B. Samples: Test samples of floor to be refinished shall be reviewed with project manager for approval before refinishining any areas.

C. Schedule of work: Two weeks prior to start of any work, a detailed project breakdown of tasks and actions (timeline) shall be submitted to the project manager and occupants for approval.

1.3 QUALITY ASSURANCE

A. Flooring Finish shall comply with Maple Flooring Manufacturing Association (MFMA) grading rules for species, grade, cut, and recommended hardwood floor maintenance requirements.

B. Finish floor shall have a warranty for a minimum of eighteen months. Provide a sample of manufacture’s warranty with quote package. See Section 3.2.

1.4 PROJECT CONDITIONS

A. Conditioning: The contactor shall be responsible to schedule operation of the environmental conditioning to maintain a conditioned area of work with the Central Utility Plant (contact Craig Turner at extension 2490) in spaces to receive wood finishing for at least seven days before installation, during installation, and for at least ten days after installation. After post-installation period, maintain relative humidity and ambient temperature planned for building occupants.

B. UWF is concerned that the off gassing of the volatile solvent in the area of the new floor finishes during application and curing could produce odors that could cause discomfort to the building occupants in the areas adjacent to the gymnasium.

1. The Contractor, department heads, Environmental Health and Safety staff and UWF project manager shall develop a written work plan outlining the activities to isolate the gymnasium area and mechanical systems from the portion of the building that will remain occupied during the construction time frame.

2. The contractor shall work around the bleachers in Building 54 in the retracted position. (Do not detach and move the existing platform.)

3. The contractor shall protect the existing bleachers at all times during construction.

4. The contactor shall clean behind the existing bleachers prior to completion of the project and all re-finished areas shall be cleaned at the end of the preliminary drying time.

5. The contractor shall be responsible for all clean up and remove all dust to include air handling filter replacement to the satisfaction of the Project manager.

PART 2 - PRODUCTS

2.1 FINISHING MATERIALS
A. Polyurethane Finish System: Premium high gloss oil modified polyurethane gymnasium floor finish is required.

B. Manufactures: Huntington, Rochester Midland Corporation, Dura-Seal or approved equal or better substitution. Any product not listed will require prior approval from the University of West Florida and proof of compatibility provided. Finishes must be listed as conforming to the Maple Flooring Association specifications and requirements.

C. Complete solvent-based, oil-modified system. Total number of coats shall be four (4) minimum, with one tack coat and three finish coats when sanding and renovating. When only screening and finishing a total of three (3) finish coats will be applied with no seal coat.

   1. One (1) Coat Floor Sealer/tack, pliable, penetrating type.
      Note: No seal coat is to be used when only screening is performed.

      Three (3) Finish Coats: Formulated for multicoated application on wood flooring.
      a. Color: Clear coat high gloss finish. Contactor shall provide a sample test area on the existing gym floor for University review and approval three days before to starting of any new flooring work.
      b. Game court lines and marking: Before using any paint every color shall be tested for compatibility, not just brands. Touch-up paint shall match existing colors and type.

PART 3 - EXECUTION

3.1 SANDING AND FINISHING

A. Machine-sand flooring to remove offsets, ridges, cups, and sanding-machine marks that would be noticeable after finishing. Vacuum and tack with a clean cloth immediately before applying finish.

B. Fill open-grained hardwood.

C. Fill and repair seams and defects.

D. Tape off and cover all in floor utility box covers and equipment docking covers prior to application of finish. Apply floor finish components in number of coats recommended by UWF. Not less than one seal coat and three finish coats. Allow each finish coat to over night dry (preferably 24 hours) or manufacture recommend time before application of multiple coats.

E. Paint all game court lines and other painted marks between the seal coat and the first of the three finish coats using approved UWF manufacturer products.
   1. Lay out the court with masking tape as required and apply the paint.
   2. To ensure crisp lines allow paint to dry for 2 hours before pulling up the tape.
   3. Allow the line to dry for a minimum of 24 hours before abrading the lines lightly with a screen.

F. UWF recommends limiting all floor traffic for ten days.
1. Do not cover site-finished floors with kraft paper, or any other material, until finish reaches full cure, but not less than ten days after applying last coat.

3.2 SCREENING AND FINISHING

A. Machine screen entire floor. Remove any swirls with fine grit screen. Vacuum and tack with a clean cloth immediately before applying finish.

B. Tape off and cover all in floor utility box covers and equipment docking covers prior to application of finish. Apply floor finish components in number of coats recommended by UWF. Not less than three finish coats. Allow each finish coat to over night dry (preferably 24 hours) or manufacture recommend time before application of multiple coats.

3.3 WARRANTY

A. All components of the floor finish system shall be protected against failure and or performance deficiencies by warranties covering a product manufacturer’s materials, installer workmanship, and material supplier for a period of not less than eighteen months at no cost to the University of West Florida. This includes any bubbling, peeling or flaking due to finish compatibility issues.

1. The contractor shall conduct a maintenance training session with the caretakers of the wood flooring at each location.

2. The contractor shall field verify the existing conditions during pre-solicitation walk-through and within five (5) days of substantial completion.

3. All punch list corrections shall occur within five (5) days of after being notified in writing by UWF.

4. Contractor shall provide the owner with the written wood floor manufacturer’s warranty as well as the 18-month warranty from the installer.

END OF SECTION 09640