**PART 1 - GENERAL**

**1.01 SUMMARY**

A. Provisions of Division 01 apply to this section.

B. Section Includes:

1. Refinish existing wood flooring.

C. Related Sections:

1. Section 06 10 00: Rough Carpentry.

1. Division 09: Finishes

**1.02 SUBMITTALS**

A. Installation Instructions: Submit manufacturer's installation instructions.

B. Material Samples: Submit Samples of finished flooring.

C. Closeout Submittals: Submit manufacturer's cleaning, maintenance, and repair instructions.

**1.03 DELIVERY, STORAGE AND HANDLING**

1. Deliver materials to the Project site with manufacturer's labels intact and legible.

**1.04 QUALITY ASSURANCE**

A. Comply with the following as a minimum requirement:

1. All materials and installation shall be A.D.A compliant.

1. Qualifications:
   * 1. Installer: Manufacturer trained technician with 5 years experience performing work of similar scope and complexity.
2. Owner Instruction: Prior to Substantial Completion, a technical representative of the flooring manufacturer shall provide a 4 hour Owner instruction in maintaining the Work of this section.

**1.05 WARRANTY**

1. Manufacturer shall provide a 2 year material warranty.

B. Installer shall provide a 2 year labor warranty.

**PART 2 - PRODUCTS**

**2.01 MATERIALS**

A. Replacement of flooring materials shall meet requirements specified in related Division 09 Sections or match existing.

B. Nails: Fasteners shall be heat treated and tempered "Screw-Tite" flooring nails for Maple strip flooring.

1. Unhardened "Screw-Tite" nails for Douglas fir flooring.

C. Wood Filler: As recommended by floor finish manufacturer.

D. Sealer: Bonakemi Inc. Supersport waterborne sealer, or equal.

1. Finish: Bonakemi Inc. Supersport One waterborne floor finish, or equal.

F. Paint (Floor Markings): If required, provide 100% acrylic paint for floor markings or as required by flooring finish manufacturer and compatible with sealer and finish.

**PART 3 - EXECUTION**

**3.01 EXAMINATION**

A. Examine surfaces to be refinished and correct deficiencies before starting the Work of this section.

B. Floor refinishing shall not be started in any part of a building until quality assurances are verified.

**3.02 INSTALLATION**

A. Existing wood base shall be removed and reinstalled. Any damaged or missing base shall be replaced with matching materials.

B. Loose or attached shelving, furniture, and equipment shall be removed, stored on the Project site, and reinstalledin their original locations unless otherwise noted in the Contract Documents.

1. Where patching is required:
   * 1. New flooring strips shall match existing.
     2. Flooring strips shall be laced into the existing floor. Each strip shall be laid out so joints in adjoining strips are as far apart as the stock permits. Each strip shall be driven into position and blind-nailed with 7d floor nails with spacing not exceeding 18 inches. Nails shall be "toe-nailed" into the piece of flooring toward the preceding piece to which it joins with end joints tight.
2. All holes in flooring materials shall be repaired. One inch and smaller diameter holes may be plugged with matching material by removing adjacent flooring materials down to the existing sub-floor with a 1-1/2 inch drill bit. The sub-floor shall remain to provide a secure seat for the plug. The plug shall be tightly fitted, fastened with epoxy glue, and shall slightly project above adjacent surfaces. Excess glue shall be removed and the area wiped clean. New flooring strips shall be provided where holes are larger than one inch in diameter.

**3.03 SANDING**

A. After other interior building Work is completed, floors shall be swept clean and sanded as follows:

1. Floors shall be sanded diagonally from wall to wall in one direction, and then shall be sanded diagonally from wall to wall in the opposite direction with No. 2-1/2 sandpaper.

2. Floors shall then be sanded longitudinally, first with No. 1-1/2 sandpaper, second with No. 1/2 sandpaper and third with No. 0 sandpaper, to remove sander marks.

3. A drum sander 12 inches in width shall be used, and the floor shall be swept clean between each sanding.

4. Wherever a drum sander cannot be used, floor shall be sanded as specified above by use of a spinner, to provide a uniformly smooth and finished floor surface.

**3.04 WOOD FILLER**

A. Install wood filler by brush, followed by wiping across grain to penetrate filler into pores and cracks of flooring.

**3.05 FLOOR FINISHING**

A. Finish: Install with an 18 inch foam applicator to seal finish and sealer in accordance with manufacturer’s written instructions. Buff and clean flooring between coats. Sealer and finish to be the products of the same manufacturer.

1. First and Second Coats: Supersport Sealer (waterborne), by Bonakemi USA, Inc., or equal
2. Third, Fourth, Fifth, Sixth and Seventh Coats: Supersport One (waterborne), by Bonakemi USA, Inc., or equal. Gloss finish.
3. Paint school logo and game lines with colors as indicated on the Drawings. Paint shall be installed between sealer and first coat of finish or between finish coats as per finish manufacturer’s written instructions.
4. Buff and clean floor between each coat

**3.06 CLEAN-UP**

A. Remove rubbish, debris, and waste materials and legally dispose of off the Project site.

**3.07 PROTECTION**

1. Protect the Work of this section until Substantial Completion.

**END OF SECTION**