

SECTION 09561
GYM FLOOR REFINISHING

PART 1 - GENERAL

1.1 SCOPE:

- A. Provide all material, labor, equipment and services necessary to completely remove existing gymnasium floor finish, game lines, and logos, and replace with newly painted game lines, logos and hardwood sealer and finish floor system, as necessary to complete the Project in accordance with the Contract Documents, Specifications and Drawings.
 - 1. LOGOS: Reference Plans. One (1) 12-foot diameter, 3-colored center circle logo; two (2) 6-ft diameter, 3-colored 'timeline' area logos, and two (2) 3-ft high baseline single-colored lettering with no maple break reading, "BULLARD".
 - 2. GAME LINES: Match existing. Utilize 'maple break' lines where practice courts cross main court game lines and logos.
 - 3. TEMPORARY POWER: Contractor is responsible for providing temporary power as necessary.

1.2 STANDARDS:

- A. In accordance with all local and State Codes and Standards and the following:
 - 1. CARB: Materials and equipment used for this Project shall comply with the current applicable regulations of the California Air Resources Board (CARB) and the Environmental Protection Agency (EPA).
 - a. NOTE: Regulatory changes may affect the formulation, availability or use of the specified coatings. Confirm availability of coatings to be used prior to use and notify the District of any recent changes that may have occurred after the preparation of this specification section.
 - 2. SJVAB: All material must comply with V.O.C. requirements of the San Joaquin Valley Air Pollution Control District.
 - a. California Interscholastic Federation
 - 3. MFMA: Maple Flooring Manufacturer's Association: Industry recommendations for Sanding, Sealing, Lining, Finishing and Resurfacing Maple Gym Floors.

1.3 SUBMITTALS:

- A. Bid Submittals:
 - 1. Product Data:
 - a. Manufacturer's descriptive literature and specifications for products to be used.
 - b. List of deviations from these specifications, if any.
 - c. MSDS specification sheet for proposed product.

- B. Close-out Submittals:
 - 1. Manufacturer's recommended maintenance instructions.

1.4 QUALITY ASSURANCE:

- A. Qualifications:
 - 1. Installer Qualifications:
 - a. Engage experienced installers who have successfully completed 5 projects in the last 3 years of similar scope and size indicated for this Project.
 - 2. Manufacturer/Supplier Qualifications:
 - a. Firm experienced in successfully producing/supplying products similar to that indicated for this Project with sufficient production/supply capacity to produce/supply required units without causing delay in the work.
 - b. All products of the wood sealer and finish system submitted for use must be included in the Maple Flooring Manufacturer's Association (MFMA) approved Floor sealer and Finish list.
 - 3. The District reserves the right to waive any of the proceeding.

1.5 DELIVERY, STORAGE AND HANDLING:

- A. Packing, shipping, handling, and unloading:
 - 1. Products shall be handled in such a manner as to assure that they are free from damage or contamination.
- B. Acceptance at site:
 - 1. Products must be in manufacturer's original unopened containers with labels indicating brand name and grade.
- C. Storage and protection:
 - 1. The Contractor shall store equipment and materials only at the work locations approved by the District. All equipment and/or materials shall be stored off the streets. The storage of equipment or materials shall be at the exclusive risk of the contractor and he shall pay for all costs for any loss or damages resulting from the storage.

1.6 WARRANTY:

- A. Contractor will guarantee all work under this contract to be free of defects in workmanship and materials for a period of two (2) years from date of final acceptance.
- B. Any workmanship or materials found to be defective within this period will be replaced at no cost to the owner, excluding normal wear and tear, abuse, neglect or vandalism.

PART 2 - PRODUCTS AND MATERIALS**2.1 MANUFACTURERS:**

- A. Acceptable Manufacturer: Bona US, which is located at: 2550 S. Parker Rd. Suite 600; Aurora, CO 80014; Toll Free Tel.' 800-872-5515; Tel.' 303-371-141 1 ; Email: info (usadmin@bona.com); Web: www.bona.com

2.2 FINISHES:

- A. The Finish system specified is Bona SuperSport HD System as manufactured by Bona US, consisting of:
 - 1. Sealer: Bona DTS Sport Sealer, no substitutions
 - 2. Finish: Bona SuperSport HD Finish, no substitutions.
 - 3. Line Paint: Bona CourtLines Sport Floor Paint, no substitutions.

PART 3 - PART 3 - EXECUTION**3.1 SEQUENCE OF WORK**

- A. Prior to commencement of work, contractor shall provide to district for approval a computer generated image of the final court layout showing chosen colors, lines, and logos. Multiple revisions of this image will be required until district approves final design.
- B. In general the work consists of completely sanding the gymnasium floor finish and game lines to bare wood, removing and replacing damaged flooring, and applying refinish systems as follows: 1. One (1) coat of hardwood sealer; 2. One (1) coat of finish; 3. Painting of lines and logos 4. Three (3) coats of finish; this is a five (5)- coat system as opposed to the four (4) coat system as specified by Bona. Contractor shall notify district at each phase of this process in order to verify a complete five (5)-coat finish system.

3.2 EXAMINATION:

- A. Accuracy of Information:
 - 1. Some information pertaining to quantities or sizes and other conditions, which may affect the cost of performing the work, may not be accurate as shown in the Specifications. While it is believed that any information is reasonably correct, the District does not warrant either the completeness or accuracy of such information. It is the responsibility of the Contractor to ascertain the existence of all conditions and needs affecting the cost of doing the work, as may be disclosed by a reasonable examination of the site.
 - 2. Report unacceptable conditions to the District. Do not begin work until unacceptable

conditions have been corrected.

3. Execution of work under this specifications Section shall constitute acceptance of existing conditions.

3.3 PREPARATION and APPLICATION OF FINISHES:

A. General:

1. The following sections of are an outline only. Always follow Manufacturers detailed instructions for installation unless specifically directed otherwise in bold type.

B. Sanding

1. Sand existing floor finish to the bare wood surface floor with minimum of 4 cuts using progressively finer sand paper;
 - a. First cut: 30 grit with the grain
 - b. Second cut: 40 grit with the grain.
 - c. Third cut: 60 grit with the grain.
 - d. Fourth cut: 80-100 grit with the grain.
 - e. Burnish the floor with appropriate grit sand screen (100-120).
2. The sanded surface should provide a smooth even surface free from scratches; drum stop marks, gouges, sander burns and chatter marks.
3. Patch all major cracks, dents and surface imperfections using an acceptable patching compound recommended for this type work and compatible with finishing system.

C. Clean and Seal Floor

1. Vacuum floor.
2. Tack floor with Terry cloth towels, dampened with Bona Pro Series Commercial Cleaner.
 - a. (Allow drying overnight)
 - b. Tack again using same process allowing (1) hour drying time minimum.
3. Apply 1 coat of specified Seal at the coverage rate specified by the manufacturer (450-550 sq.ft. per gallon)
4. After drying, abrade seal coat with maroon pad and tack prior to applying first coat of finish.
5. Prior to paint, apply 1 coat of specified Finish at the coverage rate specified by the manufacturer (450- 550 sq.ft. per gallon)
6. Abrading (screening) DTS Sport Sealer is to be done with manufacturer recommended pads only.

D. Game lines

1. Paint all game lines in accordance with the latest California Interscholastic Federation Rules (CIF) and the gymnasium-marking plan in the colors designated by the District before the finish coats. (Line dimensions, widths and colors shall comply with CIF rules where a conflict occurs).
2. Allow 24-hour dry time of paint prior to abrading
3. After abrading, vacuum and tack with terry cloth towel moistened with manufacturer-approved liquid.

4. All lines are to be straight with clean cut edges.

E. Finish

1. After paint lines have been abraded, vacuumed, and tacked, apply four (3) coats of specified Gym Finish:
2. Follow manufacturer's recommendations in accordance with manufacturer's warranty requirements as to drying times after game lines have been applied and buffing between floor finish coats.

3.4 CONSTRUCTION SAFETY:

- A. It is the responsibility of the Contractor to provide for the safety of traffic, the public and the school students. Whenever the contractor's operation inside the school creates a condition that in the opinion of the District is hazardous to the school students and staff, the contractor shall, at his expense and without cost to the District, furnish, erect, and maintain such fences, barricades, lights, signs, and other devices, and take other protective measures as are necessary to prevent accidents or injuries to students or staff.

3.5 CLEANING:

A. Cleaning:

1. Contractor shall leave the gym and floor in a clean condition. All debris, containers, litter, and other materials shall be disposed of properly.

END OF SECTION