

## **IFB 21-220-001 – Boltz Gym Floor Replacement**

### **Exhibit B - Project Scope and Specifications**

- B.1 The Boltz Middle School Gym Floor Replacement project consists of removing the existing maple floor system, preparing the surface, supplying and installing a new athletic maple flooring system complete with logo in center circle and all the game lines in the Boltz Middle School gymnasium as per the IFB and specifications.
- B.2 Provide costs for removal of existing flooring, all needed equipment, delivery, and installation of new flooring. The District shall be the sole judge of whether an alternative product is of comparative quality, suitability and equivalent to the specifications described herein.
- B.3 Contractor shall supply applicable ‘Product’ warranty.
- B.4 Contractor shall have minimum of seven (7) years of experience in commercial work.
- B.5 Upon request, Contractor shall supply a list of employees working on this project.
- B.6 Proof of materials cost shall be provided upon request.
- B.7 After hours or weekend work may be necessary to complete the project (no additional charge).
- B.8 Services will be provided as established in this solicitation as well as the resulting contract and purchase order. All work will be performed in accordance with accepted standards for work of a similar nature.
- B.9 The Boltz gym floor is approximately 5,500 square feet. Contractors are responsible for obtaining exact room measurements – ‘Verify in field’ (V.I.F.).
- B.10 New athletic maple floor surface specifications
- B.10.1 Four (4) layers of water-based seal coat
- B.10.2 Paint school logo in center circle; graphic supplied by the District (Exhibit E).
- B.10.3 Outside boundary 2’ on ends and 6” at sides
- B.10.4 1’9” letters in maple on west end outside boundary – BOLTZ PHOENIX
- B.10.5 New paint for games lines to include:
- One (1) main basketball court – red to match existing color
  - One (1) main volleyball court – yellow to match existing color
- B.10.6 Remove existing volleyball standards and install five (5) new caps, sleeves, and standards.
- B.10.7 Replace base with new vented base around wall above wood flooring.
- B.10.8 All pads and hoops shall be moved to accommodate the new floor height.
- B.10.9 Supply and install new thresholds in all affected doorways.

- B.11 Athletic wood flooring must have been tested and passed requirements of DIN 18032, Part II
  - B.11.1 Shock Absorption: Minimum 57%
  - B.11.2 Ball Return: Minimum 96%
  - B.11.3 Deflection: Minimum 1.9 mm
  - B.11.4 Area Deflection: (Isolation of impact) less than 22%
- B.12 Athletic Wood Sub Flooring
  - B.12.1 Double Plywood System - This low-profile floating floor system consists of two layers of 15/32x4'x8', minimum 4-ply, APA (or flooring manufacturer's approved rated equivalent) Rated Sheathing, Exposure 1, or per MFMA flooring manufacturer design. The subfloor is generally installed at 45 and 90-degree angles to the direction of the finished maple surface. Resilient pads are mechanically fastened to the underside of the bottom layer of plywood and are generally spaced at one-foot intervals (32 per plywood sheet). The surface maple, plywood and pads are installed over a seam sealed 6 mil polyethylene vapor retarder.
- B.13 Must meet MFMA standards. Species and grade stamped on underside of each piece, conforming to the following:
  - B.13.1 Species: Northern Hard Maple (*Acer Saccarum*)
  - B.13.2 Grade: Second and better
  - B.13.3 Cut: Edge grain
  - B.13.4 Moisture Content: 7-9%
  - B.13.5 Actual Thickness: 25/32 inch
  - B.13.6 Actual Width: 2½ inches
  - B.13.7 Edge: Tongue and Groove
  - B.13.8 End and center matched
  - B.13.9 Back channeled
  - B.13.10 Lengths: Provide standard random length strips, complying with applicable grading rules.
  - B.13.11 Seasoning: Manufacture wood strip flooring from kiln dried lumber
  - B.13.12 Ventilating base: Molded rubber, 4-inch high with a 3-inch toe, ventilating type, with adhesives and accessories. (Johnsonite Ventcove Base manufactured by Johnson Rubber Company or approved equal)
- B.14 Installation of reducers doorways inside gym must be integrated into floor to alleviate trip hazards. Reducers shall be a rubber or recycled rubber product - no aluminum ramps/reducers. Specific number of doorways will be determined at the pre-bid meeting.

B.15 Finishes

B.15.1 Floor Finish: MFMA Group III Finish

B.15.2 Floor Stain: Penetrating type recommended by flooring manufacturer

B.15.3 Marking Paint: Compatible with floor finish materials

B.16 Cleaning Solvent

B.16.1 Mineral spirits, or as recommended by finish materials manufacturer