

ATTACHMENT C – TECHNICAL SPECIFICATIONS

IFB #2027-FM01

Gymnasium Floor Replacement Project

New Heights Charter School of Brockton

1. STANDARD OF QUALITY

The products, materials, equipment, workmanship, and installation methods specified herein establish the minimum acceptable standards of quality, durability, performance, and functionality required by New Heights Charter School of Brockton. References to specific products, systems, manufacturers, or installation methods, where applicable, are intended solely to establish the minimum acceptable level of quality and performance required. Equivalent ("or equal") products and systems will be considered in accordance with **Massachusetts General Laws Chapter 30, Section 39M**, provided the bidder demonstrates that the proposed system meets or exceeds all specified requirements.

The Awarding Authority shall be the sole judge of equivalency.

All materials furnished under this Contract shall be new, free from defects, and of current manufacture.

2. SCOPE OF TECHNICAL WORK

The Contractor shall furnish all labor, supervision, materials, equipment, transportation, permits, testing, tools, and services necessary to provide a complete turnkey replacement of the existing gymnasium athletic flooring system.

The Work shall include, but not be limited to:

- Perform all Work in accordance with all applicable federal, state, and local laws, regulations, codes, and the manufacturer's published installation requirements.
- Removal and lawful disposal of the existing athletic flooring system.
- Removal of adhesives, transitions, reducers, and accessories.
- Inspection of the existing concrete slab.
- Moisture testing.
- Moisture mitigation where required.
- Concrete slab preparation.
- Installation of a new athletic flooring system.
- Court striping.
- Installation of the School logo at center court.
- Athletic floor finishing.

- Final cleaning.
- Manufacturer inspection (where applicable).
- Training of designated School personnel.
- Warranty.
- Project closeout.

3. MINIMUM MATERIAL AND PERFORMANCE REQUIREMENTS

Category	Minimum Requirement
Flooring System	Commercial-grade indoor athletic flooring system specifically designed for educational and competitive athletic facilities
Intended Use	Basketball, Volleyball, Physical Education, Assemblies, and Multi-Purpose Activities
Existing Floor	Complete demolition and lawful disposal
Existing Slab	Inspect, repair, and prepare as necessary
Moisture Testing	Required before installation
Moisture Mitigation	Manufacturer-approved system where testing indicates mitigation is required
Installation	Installed by a manufacturer-authorized installer in accordance with published installation requirements
Court Striping	Basketball and Volleyball courts with all required game markings
Center Court Graphic	School logo provided by the Awarding Authority
Accessories	New transitions, thresholds, reducers, edge trims, vents, and related accessories where required
Finish	Manufacturer-approved athletic floor finish
Warranty	Manufacturer's standard warranty and minimum one (1) year workmanship warranty
Training	Cleaning and maintenance training for designated School personnel

4. MANUFACTURER REQUIREMENTS

The proposed athletic flooring manufacturer shall:

- Be regularly engaged in the manufacture of commercial athletic flooring systems.
- Maintain a demonstrated record of successful installations within educational, collegiate, municipal, or recreational facilities.
- Maintain technical support services within the United States.
- Publish installation procedures and maintenance recommendations.
- Provide written product warranty documentation.

5. INSTALLER REQUIREMENTS

The Contractor shall:

- Be authorized by the proposed flooring manufacturer.
- Demonstrate a minimum of five (5) years of athletic flooring installation experience.
- Successfully complete at least three (3) comparable athletic flooring projects within the past five (5) years.
- Employ qualified supervisory personnel throughout the duration of the Project.

6. SUBFLOOR PREPARATION

The Contractor shall inspect the existing concrete slab and perform all preparation necessary to receive the proposed flooring system.

Preparation may include:

- Grinding
- Crack repair
- Surface leveling
- Cleaning
- Moisture mitigation
- Other preparation required by the flooring manufacturer

Any identified deficiencies shall be reported immediately to the Awarding Authority before proceeding.

7. ATHLETIC FLOOR INSTALLATION

The flooring system shall be installed strictly in accordance with the manufacturer's published installation requirements.

Installation shall include all components necessary to provide a complete athletic flooring system, including:

- Expansion provisions
- Anchoring systems
- Transition assemblies
- Edge details

- Floor ventilation components (where applicable)
- Finishing systems

8. MINIMUM PERFORMANCE REQUIREMENTS

The proposed athletic flooring system shall meet or exceed the following minimum performance requirements.

Performance Requirement	Minimum Requirement
Intended Use	Commercial indoor athletic flooring system
Sports	Basketball, Volleyball, Physical Education, Multi-Purpose Activities
Condition	New materials only
Installation	Manufacturer-authorized installation
Moisture Testing	Required
Moisture Mitigation	Required where recommended by the manufacturer
Surface Performance	Suitable for institutional athletic use
Ball Response	Appropriate for competitive basketball play
Surface Friction	Safe athletic playing surface
Uniformity	Smooth, level, and free from defects
Durability	Designed for continuous institutional use
Finish	Manufacturer-approved athletic finish
Court Striping	Basketball and volleyball courts
Center Court Logo	School logo supplied by the Awarding Authority
Warranty	Manufacturer's standard warranty plus one (1) year installation warranty
Maintenance	Manufacturer's recommended maintenance procedures
Installer	Manufacturer-authorized installer

9. COURT STRIPING AND GRAPHICS

The Contractor shall furnish and install complete athletic game markings including:

- Basketball court
- Volleyball court
- Boundary markings
- Safety markings
- Center court logo
- Other markings identified by the Awarding Authority

Final colors, dimensions, and layouts shall be approved prior to installation.

10. SHOP DRAWINGS

Within ten (10) calendar days following contract award, the Contractor shall submit shop drawings for review.

Shop drawings shall include:

- Proposed floor layout
- Court striping layout
- School logo placement
- Border details
- Color schedule
- Transition details
- Installation details

No installation shall begin until the Awarding Authority has reviewed and accepted the shop drawings.

11. QUALITY ASSURANCE

The Contractor shall continuously inspect the Work and correct any deficiencies.

The Awarding Authority reserves the right to inspect the Work at any stage of construction.

Defective materials or workmanship shall be corrected by the Contractor at no additional cost.

12. CLEANING

Upon completion of the Work, the Contractor shall:

- Remove debris
- Remove dust
- Clean the flooring
- Clean adjacent areas

- Remove temporary protection
- Prepare the gymnasium for occupancy

13. TRAINING

Prior to Final Acceptance, the Contractor shall provide training to designated School personnel covering:

- Routine cleaning
- Preventive maintenance
- Approved maintenance products
- Warranty requirements
- Recommended maintenance schedule

14. WARRANTIES

The Contractor shall provide:

Manufacturer Warranty

The manufacturer's standard written warranty.

Installation Warranty

A minimum one (1) year workmanship warranty covering installation defects.

Warranty shall commence upon Final Acceptance.

15. CLOSEOUT DOCUMENTS

Prior to Final Payment, the Contractor shall submit:

- Manufacturer Warranty
- Installer Warranty
- Maintenance Manual
- Cleaning Instructions
- Product Literature
- Final Inspection Report
- As-Built Court Layout
- Final Certified Payroll Reports
- Training Documentation

16. FINAL ACCEPTANCE

The Project shall not be considered complete until:

- All Work has been completed.

- All punch list items have been corrected.
- Final inspection has been completed.
- Warranties have been submitted.
- Closeout documentation has been accepted.
- The Procurement Officer and Technical Lead have issued written Final Acceptance.

17. APPROVED EQUAL PRODUCTS

Whenever these specifications identify a product, system, or manufacturer by trade name, such reference establishes only the minimum acceptable standard of quality, appearance, durability, and performance.

Equivalent products shall be considered provided the bidder demonstrates that the proposed product meets or exceeds all specified requirements.

The Awarding Authority reserves the sole right to determine product equivalency.

18. PROPOSED SYSTEM INFORMATION (To Be Completed by Bidder)

Each bidder shall complete the following table and submit it with its Technical Proposal.

Category	Proposed Manufacturer	Product System /	Warranty	Comments
Athletic Flooring System				
Moisture Mitigation System (if required)				
Athletic Floor Finish				
Court Striping Materials				
Center Court Logo Application Method				
Transition & Edge Materials				
Installer Company				
Manufacturer-Authorized Installer	Yes <input type="checkbox"/> No <input type="checkbox"/>			