

11 66 23 – Gymnasium Equipment

DIVISION 11 - Equipment



STATEMENT OF PURPOSE & BACKGROUND

- Scope:
 - Selection and installation of equipment for indoor basketball, volleyball and badminton, and safety pads.
- Statement of goals:
 - Provide consistent, high quality materials that:
 - Meet quality standards for intended purpose;
 - Are easily maintained.
- Revision history of section:
 - 07/13/18 (date of adoption)
 - 12/26/2023 (*Added climbing wall information, equipment manufacturers*)

OUTLINE SPECIFICATION

- Part 1 General
 - Quantities and locations of equipment to be as indicated on Drawings.
 - Owner retains discretion in types of equipment to be installed at each site based on individual site requirements.

- Part 2 Products
 - Basketball Equipment:
 - Backstop Assembly – Elementary Sites:
 - Wall mount, stationary, 4 point mount with extension capability, manually operated height adjustment.
 - If space allows and/or use requires, ceiling mounted folding backstops may be considered, with manually operated height adjustment.
 - Acceptable Manufacturers:
 - Performance Sport Systems, model #2300 (wall mount) or #3100 series (ceiling mount) and #1130 manual height adjustment
 - Porter
 - Draper
 - IPI Bison
 - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may be substituted in accordance with the provisions of the Contract.
 - Backstop Assembly – Middle and High School Sites:
 - Main Court (and side courts where space permits): Ceiling Mount, Single Post, rear or front-braced, forward-folding (or side-folding if space requires); motorized operation with keyed switch and safety locking strap.
 - Side Courts (where ceiling mount is not feasible): Wall mount; stationary, side-fold or fold-up

operation, depending on site conditions and space available.

- Acceptable Manufacturers:
 - Performance Sport Systems:
 - #3103 forward folding, rear braced
 - #3107 forward folding, front braced
 - #3109 side folding, side braced
 - #2300 Series, wall mount stationary
 - #2400 Series, wall mount fold-up
 - #2500 Series, wall mount side fold
 - Porter
 - Draper
 - Bison
 - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may be substituted in accordance with the provisions of the Contract.
- Backboards – Elementary Sites:
 - Main Court: 42” high by 72” wide, aluminum framed rectangular glass and bolt-on safety pads.
 - Acceptable Manufacturers:
 - Performance Sport Systems, #AFRG42
 - Porter, #00208-000
 - Draper
 - Bison
 - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may be substituted in accordance with the provisions of the Contract.
 - Side Courts: 36” high by 54” wide, fan shaped aluminum backboard.
 - Acceptable Manufacturers:
 - Performance Sport Systems, #1750B
 - Porter, #00234-300
 - Draper
 - Bison
 - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may be substituted in accordance with the provisions of the Contract.
- Backboards – Middle and High School Sites:
 - All Courts: 42” high by 72” wide, aluminum framed rectangular glass, with bolt-on safety pads.
 - Acceptable Manufacturers:
 - Performance Sport Systems, #AFRG42
 - Porter, #00208-000
 - Draper
 - Bison
 - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may

be substituted in accordance with the provisions of the Contract.

- Goals – All Sites:
 - All courts: Breakaway rim with universal backplate and no-tie net attachment.
 - Acceptable Manufacturers:
 - Performance Sport Systems, Model #1000
 - Porter, #00245-500
 - Draper
 - Bison
 - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may be substituted in accordance with the provisions of the Contract.
- Volleyball Equipment (where indicated):
 - Indoor system for mounting in floor sleeves:
 - Adjustable posts, high strength aluminum with anodized finish, infinite net height adjustment, folding winch handle.
 - Provide floor sleeves, floor anchors, and cover plates appropriate to the floor construction and volleyball system. Cover plates to be flush with adjacent flooring.
 - Acceptable Manufacturers:
 - Performance Sport Systems, #6000 Rallyline
 - Porter, #01917-000 Powr-Rib II Competition
 - Draper, #500001 PVS-1
 - Bison
 - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may be substituted in accordance with the provisions of the Contract.
- Badminton Equipment (where indicated):
 - Indoor portable system for multiple court play:
 - 1-1/2" square steel tube uprights, powder-coated white finish, weighted base with T-bar, rubber casters.
 - Acceptable Manufacturers:
 - Performance Sport Systems, #6631
 - Porter
 - Draper
 - Bison
 - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may be substituted in accordance with the provisions of the Contract.
- Safety Wall Pads:
 - Wall padding to be vinyl-coated polyester fabric over neoprene Class "A" foam padding and backer board; nominal 2 inch thickness. Wall pads must meet NFPA 286 for fire-rated

- materials. Colors to be selected with Owner input from manufacturer's standard range.
- Pad sizes and locations:
 - Behind main court basketball backstops, provide a pad length of 12 feet wide x 6 feet high where possible.
 - Behind side court backstops, provide a pad length of 8 feet wide x 6 feet high where possible.
 - Provide corner pads and column pads where required.
 - Provide outlet cut-out kits where required.
 - Acceptable Manufacturers:
 - Performance Sport Systems
 - Porter
 - Draper
 - Bison
 - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may be substituted in accordance with the provisions of the Contract.
 - Climbing Wall:
 - Locations and quantities as indicated.
 - Product specified forms the basis of design. Alternative products may be substituted with Owner input for individual sites.
 - Up to 10ft. - Middle School sites (sites up to Grade 8):
 - Basis of Design: Everest Climbing Traverse Wall - 4 feet wide x 10 feet high panels; 20 to 40 ft. wide
 - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may be substituted in accordance with the provisions of the Contract.
 - Up to 8 ft. - Elementary School sites (up to Grade 5)
 - Basis of Design: Everest Climbing Traverse Wall - 4 feet wide x 8 feet high panels; 20 to 40 ft. wide
 - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may be substituted in accordance with the provisions of the Contract.
 - Interlocking mat system. When the wall is not being used the mat is locked against the wall. When the wall is in use, the mat is used as fall protection. The mats shall be no less than 2 inches in thickness. Recommend 3" for 8-10 ft high wall.
 - Scoreboards:
 - Wall mounted electronic LED scoreboards.
 - Locations and quantities to be determined with Owner.
 - Models specified form the basis of design. Alternative models may be substituted with Owner input for individual sites.
 - Colors, logos, etc. to be coordinated with Owner and site.
 - High School sites (Grades 6-12 or 9-12):
 - Daktronics, Model #BB-2153, 6 feet high x 8 feet wide; capable of scoring basketball, volleyball and wrestling.
 - Control: Daktronics All Sport 2000.
 - Middle School sites (or sites up to Grade 8):
 - Daktronics, Model #BB-2101, 4 feet high x 8 feet wide; capable of scoring basketball, volleyball and wrestling.

- Control: Daktronics All Sport 2000.
 - Equivalent manufacturers **approved, in writing, in advance, by the Architect**, may be substituted in accordance with the provisions of the Contract.
 - Elementary School sites (up to Grade 5) will typically use portable scoreboard systems supplied by site / Owner, unless otherwise directed by Owner.
- Part 3 Execution
 - Per Consultant and / or manufacturer specification.

End of Section