

## **Part 1 General**

### **1.1 SUBMITTALS**

- .1 Provide Submittal submissions: in accordance with Section 01 33 00 - Submittal Procedures
- .2 Sustainable Submittals:
  - .1 Co-ordinate submittal requirements and provide submittals required by Section 01 47 15 - Sustainable Requirements: Construction.
- .3 LEED Submittals:
  - .1 Co-ordinate submittals requirements in accordance with Section 01 35 21 - LEED Requirements.
- .4 Provide shop drawings in accordance with Section 01 33 00 - Submittal Procedures.
  - .1 Indicate size and description of products and finishes.
  - .2 Indicate construction, assembly and fabrication.
  - .3 Indicate materials, thicknesses, finishes and hardware.
  - .4 Indicate arrangement and assembly of components.
  - .5 Shop drawings that include structural considerations are to be approved by a Manitoba licensed Professional Structural Engineer.

### **1.2 MAINTENANCE DATA**

- .1 Upon completion of work of this section and prior to substantial performance, provide consultant with manufacturer's instruction covering care and maintenance of equipment.

### **1.3 DELIVERY, STORAGE AND HANDLING**

- .1 Deliver, handle, store and protect materials of this section in accordance with Section 01 61 00 - Common Product Requirements.

### **1.4 LEED REQUIREMENTS**

- .1 See Section 01 35 21 - LEED Requirements.
- .2 LEED Submittals: Submit LEED supporting documentation in accordance with Section 01 35 21 - LEED Requirements.
- .3 Waste Management and Disposal: Dispose of packaging and waste materials in appropriate on-site bins for recycling and disposal in accordance with Section 01 74 21 - Construction/Demolition Waste Management and Disposal.
- .4 Indoor Environmental Quality Credit EQ 4 – Low - Emitting Materials.
  - .1 LEED Indoor Environmental Quality Credit EQ 4.1 – Low-Emitting Materials: Adhesives and Sealants.

- .1 Low VOC complying with SCAQMD Rule #1168, Latest edition.
- .2 LEED Indoor Environmental Quality Credit EQ 4.2 – Low-Emitting Materials: Paints and Coatings.
  - .1 Architectural paints, coatings and primers applied to interior walls and ceilings to Green Seal Standard GS-11, latest edition.
  - .2 Anti-corrosive and anti-rust paints applied to interior ferrous metal substrates to Green Seal Standard GS-03, latest edition.
  - .3 Clear wood finishes, floor coatings, stains and shellacs applied to interior elements to SCAQMD Rule 1113, latest edition.

## **Part 2 Products**

### **2.1 BASKETBALL BACKSTOPS**

- .1 Backstops shall feature adjustable frame to allow hand crank adjustment of hoop height from 2400 mm to 3000mm.
  - .1 Frames shall be made from 50mm square steel tubing, mounted to structural supports in wall using 6mm x 100mm steel plates, placed 890mm o.c.
  - .2 Stabilizing bars shall be made from 50mm steel tubing, from the front of the backstop frame to the wall at an angle of 30 degrees.
  - .3 Stabilizers shall be hinge mounted to permit minor adjustment, Cable bracing shall not be permitted.
  - .4 Coordinate placement of wall blocking and reinforcement with general contractor.
- .2 All bolts and mounting hardware shall be included for installation
- .3 Fan shaped backstop to be supplied with tempered glass backboard with regulation painted lines by manufacturer.
  - .1 Acceptable Product: Royal Stewart RS96 Glass Fan Backboard.
- .4 All hoops to be spring loaded to protect hoop and frame from bending. Each backstop to be supplied complete with net, and accessories necessary to adjust equipment.
  - .1 Acceptable Product: Royal Stewart RS2000 or approved equivalent in accordance with B6 Substitutes.

### **2.2 SPORTS POST FLOOR SOCKETS**

- .1 Cast bronze, machined inside diameter to accept 50 mm volleyball and badminton posts c/w hinged cap.
  - .1 Quantity: 6.
  - .2 Acceptable materials: RS 100 manufactured by Royal Stewart or approved equivalent in accordance with B6 Substitutes.
- .2 Provide steel sleeves to be installed in storage room for post storage.
  - .1 Quantity: 8.

- .2 Acceptable materials: RS 108S manufactured by Royal Stewart or approved equivalent in accordance with B6 Substitutes.

### 2.3 VOLLEYBALL STANDARDS

- .1 One Pair Volleyball posts to be constructed using round tubing
- .2 Centre post shall be 50mm tubing with two front braces and full height back brace to prevent bending of pole. All bracing to be minimum 25mm OD tubing with 16 gauge wall thickness.
- .3 Bottom of post to be reinforced with 350mm insert.
- .4 Posts are to be equipped with 2 fully adjustable, nickel-plated fittings to accommodate heights: 1500mm, 2100mm, 2200mm, 2240mm, 2340mm, 2430mm.
- .5 Each post to feature 800lb. capacity winch as well as rope leader to connect to net.
- .6 Two transport wheels to be provided on each post,; must be non-marking rubber.
- .7 Posts shall include padding and back brace.
- .8 Compatible net shall be included, c/w steel cables.
  - .1 Acceptable product:
    - .1 RS105 Posts by Royal Stewart or approved equivalent in accordance with B6 Substitutes.
    - .2 RS105N Net by Royal Stewart or approved equivalent in accordance with B6 Substitutes.

### 2.4 BADMINTON STANDARDS

- .1 Four posts to be constructed using 50mm tubing, c/w hooks both sides for use as centre or end posts.
- .2 Posts shall feature 25mm round washers to hold post at proper height for badminton.
- .3 Posts to be equipped with plastic top cap.
- .4 Three nets to be supplied.
  - .1 Acceptable products:
    - .1 RS 104 Badminton posts by Royal Stewart (4 required) or approved equivalent in accordance with B6 Substitutes.
    - .2 RS 104N Nets by Royal Stewart (3 required) or approved equivalent in accordance with B6 Substitutes.

### 2.5 WALL MOUNTED MATS

- .1 3600 x 2400 high wall padding centred behind basketball hoops.
- .2 50mm ethafoam construction wrapped in vinyl on nylon.

- .3 Supply with aluminum gym mat hangers.
- .4 Colour to be selected by Contract Administrator.
- .5 Acceptable Products: Royal Stewart.

## **Part 3 Execution**

### **3.1 Installation**

- .1 Locate and confirm floor sockets placement with Contract Administrator prior to construction of gym floor.
- .2 Co-ordinate the locations of required bracing for mounting basketball backstops.
- .3 Install gymnasium equipment in strict accordance with the manufacturer's instructions and recommendations.
- .4 Ensure satisfactory operation of all installed equipment.

**END OF SECTION**