

PART 1 GENERAL

1.1 SECTION INCLUDES

- .1 Basketball backstops
- .2 Wall padding
- .3 Volleyball and posts and nets.
- .4 Floor sockets
- .5 Gym divider curtain

1.2 RELATED SECTIONS

- .1 Section 03 34 50 - Concrete Floor Finishing
- .2 Section 05 10 00 - Structural steel
- .3 Section 06 10 00 - Rough Carpentry.
- .4 Section 09 65 66 - Resilient Athletic Flooring

1.3 SHOP DRAWINGS

- .1 Submit shop drawings in accordance with Section 01 33 00.
- .2 Indicate size, description of components, materials, surface finishes and attachment devices as required.

1.4 MAINTENANCE DATA

- .1 Upon completion of work of this section and prior to substantial performance, provide Contract Administrator with manufacturers instruction covering care and maintenance of equipment, per Section 01 78 40. Include this information in the manuals specified.

1.5 QUALIFICATIONS

- .1 Prepare Shop Drawings under direct supervision of a Professional Structural Engineer experienced in design of this work and licensed at the place where the Project is located.

PART 2 PRODUCTS

2.1 BASKETBALL BACKSTOPS

- .1 Backstops: All backstops to have adjustable frame to adjust hoop height from 2400 mm to 3000mm. height adjustable with hand crank. All hoops to be spring loaded to protect against slam-dunking and hanging. Each backstop to be supplied net, and accessories such as winches, reaching poles necessary to adjust equipment.
 - .1 Acceptable materials: Royal Stewart RS116

- .2 End backstops (main court): Ceiling suspended, swing forward; Electric Winch: 110V 15 A; with spring loaded constant pressure key switch; gear ratio of 40:1; c/w limit switches.
 - .1 Acceptable materials: Royal Stewart RS 200 HD with RS-95 backstop.
 - .2 Separate price: Manual crank operation.
- .3 Side wall backstops (Side folding): side folding backboards; wall mounted. Manual Winch.
 - .1 Acceptable materials: Royal Stewart RS 119 HD with RS-94 backstop.

2.2 WALL PADDING

- .1 Supply wall padding c/w "aluminum gym mat hangers" at each basket. Mat to be 50 mm ethafoam covered with vinyl on nylon - colour to be selected by consultant. Refer to drawings for extent of mats. Provide custom matting at doors and frames.
- .2 Size: 3650 mm wide x 2450 mm high at East and West ends; 2450 mm wide x 2450 high at north wall cross court locations.
 - .1 Acceptable manufacturers: Royal Stewart

2.3 FLOOR SOCKETS

- .1 Cast bronze, machined inside diameter to accept 50 mm volleyball and badminton posts c/w hinged cap. Provide steel sleeves in storage for post storage.
 - .1 Acceptable manufacturers; Royal Stewart.
 - .2 Quantity: 4 bronze floor sockets and 8 steel storage sockets

2.4 VOLLEYBALL STANDARD

- .1 Pole shall be 50 mm diameter steel tubing with 19 mm diameter tubing for braces. Back brace to be rubber clad for floor protection. Each post to be supplied with 225 Kg capacity and leaders to receive nets.
- .2 Acceptable materials: Royal Stewart RS 105.
- .3 Quantity: 4.
- .4 Each post shall be fully adjustable for net heights as recommended by the Canadian Volleyball Association.
- .5 Provide padding for 2 posts.
- .6 Net (volleyball): black polyethylene knotted mesh, 50 mm top tape with 12 mm nylon rope, black nylon side and bottom tapes, riveted rubber corners; Quantity 2.

2.5 BADMINTON STANDARD

- .1 Pole shall be 50 mm diameter steel tubing. Each post to be supplied with hooks to receive nets.

- .2 Acceptable materials: Royal Stewart RS 104.
- .3 Quantity: 4.
- .4 Net (badminton): black knotted polypropylene with double mesh, coated aviation cable, canvas top tape. Quantity - 2.

2.6 GYM DIVIDER CURTAIN

- .1 Base Bid:
 - .1 Gym divider curtain: Electric operated Braille Gymnasium Divider Curtain manufactured by Kodiak Industries.
 - .2 Curtain: flame retardant NYCO -18 Vinyl coated polyester scrim; 18 oz/sq. yd.; open mesh 7 oz per sq. yd. vinyl coated woven polyester. Colour to be selected by Contract Administrator from standard range of colours. Bottom 3000 mm to be solid curtain, remainder to be mesh.
 - .3 Curtain construction: At 2800 mm and 75 mm from each side provide a vertical row of #5 grommets placed at 600 mm oc. Seams shall be 50 mm double stitched. Side and top hem 150 mm; bottom hem 255 mm. Bottom hem to enclose continuous ballast bar. Top hem to contain an adjustment tube suspended from roller assembly for vertical adjustment.
 - .4 Hardware:
 - .1 Lifting cables: 3 mm wire cable located 2200 mm o.c. minimum.
 - .2 Suspension system to be attached to structure at 3000 mm o.c. minimum.
 - .3 Drive tube: supported by roller assemblies at 3000 mm o.c.
 - .5 Operator: 1 hp motor and 40:1 reducer with limit switches for the up / down position. Provide spring loaded control witch with up/stop/down positions for each curtain. Location as noted on drawings.
- .2 Separate Price
 - .1 Gym divider curtains: Manual operated divider curtain; double T track Ball bearing carriers at 300 mm o.c.; 18 oz. vinyl. Add 10 % for fullness, Colour to be selected by Consultant.
 - .2 Provide tie backs end location.
 - .3 Provide all mounting hardware to attach track to structure.
 - .4 Acceptable manufactures:
 - .1 Royal Stewart RS 500.

PART 3 EXECUTION

3.1 INSTALLATION

- .1 Install gymnasium equipment in strict accordance with the manufacturer's recommendations.
- .2 Touch up all damaged or scratched finish painting.

- .3 Follow up manufacturer's diagrams for exact locations of game lines and floor sockets location. Coordinate with steel deck and concrete topping work. Box out sufficient space to accept and final set floor anchors.
- .4 Coordinate location and wall reinforcement requirements for mounting plates for specified gymnasium equipment.
- .5 Make all adjustments necessary to achieve a smooth and trouble-free operation of all equipment items.

End of Section