

# Gymnasium & Health Equipment Ltd.

## GC-2

### Gymnasium Walk Draw Curtain

#### **BID SPECIFICATIONS**

##### **PART 1 - GENERAL**

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|---------------------|--|
| 1. SECTION INCLUDES | 1. Gymnasium Walk Draw Curtain   |
| 2. RELATED SECTIONS | 1. Division I- General Requirements, is part of this section and shall apply as if repeated here.<br>2. Unit Masonry Section<br>3. Structural Steel Framing section<br>4. Electrical - Division 16   |
| 3. CODES & BYLAWS   | 1. Comply with all national and local building Bylaws and Regulations, and all firemarshal requirements applicable to this section. A label confirming the firebreak homologation tests shall be fixed permanently to the curtain.   |
| 4. PROTECTION       | 1. Protect the work of this section and that of the other trades from damage due to these operations. The contractor shall make good any such damage at his own expense and to the approval of the consultant.   |
| 5. SUBMITTALS       | 1. Shop Drawings<br>1. A complete set of shop drawings shall be submitted for approval prior to fabrication indicating construction and installation details.<br><br>2. Colour Samples<br>1. Colour samples shall be submitted with the drawings for selection by the Architect. |
| 6. WARRANTY         | 1. Gymnasium Divider Curtain shall be warranted free of defects in material and workmanship for a period of five (5) years.<br>2. Installation shall be guaranteed for a period of one (1) year against all defects of material and workmanship.                                 |

##### **PART 2 - PRODUCTS**

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|-------------------------------|---|
| 1. GYM DIVIDER CURTAIN        | 1. Supply and install manually operated Walkdraw Divider Curtain.   |
| 2. MATERIAL AND FABRICATATION | 1. Curtain to include continuous welded vinyl ( ) 18 oz or ( ) 25 oz panels made 10% over width for fullness to cover the |

entire opening. All seams are overlapped 30 mm and oversewn where in reach. Curtain shall contain a hemp liner in the top hem to insure grommet integrity. Grommets to be #4 spur on 305 mm (12") centres.

2. The curtain shall have the following characteristics:

<u>Lower Portion</u>	<u>Upper Portion</u>
Weight	Same as lower portion
Grab Tensile	Weight
Tear Strength	Flexmesh 5 mm apertures
Adhesion	Sports Net 32 mm apertures
Finish	<i>Colour to be selected by Architect</i>

3. Upper section of curtain to be similar to lower section, flexmesh or sports net with 31.75 mm apertures.
4. Bottom hem to have a messenger to easy chain installation if required.
5. Track to be Double-T Aluminum suspended by custom made steel brackets on 2130 mm centres maximum. Track to be supplied from manufacturer pre-bent if required on a minimum radius of 912 mm. Storage section will have hangers on 1213 mm on centre maximum. Carriers are to be 2 wheel ball bearing rollers with swivels for chain attachment, end Carriers have 4 wheels. Chain is to be #10 single jack chain or equivalent for height adjustment.
6. Curtain must be hung with 15 — 30 mm clearance from floor in the closed section..

### **PART 3 - EXECUTION**

#### **1. EXAMINATION**

1. When the job is sufficiently advanced to permit curtain, installation, visit the site and check conditions to ascertain preparation work by previous trades.
2. Check and record all dimensions that effect the manufacturing and installation of the curtain.

#### **2. INSTALLATION**

1. Assemble components and install in accordance with shop drawings and manufacturers recommended specifications.
2. Installation shall be straight, plumb, level, tightly fitted and well secured to prevent displacement.

### 3. ADJUSTING AND CLEANING

1. Ensure curtain functions properly and operates freely. Make adjustments as required.
2. Clean all soiled surfaces. Exercise care to avoid damage to finished surfaces.
3. Remove debris and packaging materials.

### Alternative Design Specifications of Top Portion of Curtains

The following materials may be substituted:

**Flexmesh:** The lower 3048 mm (10 ft.) of curtain shall be .61 kg./sq.m. (18 oz./sq. yd.) or .85 kg./sq. m. (25 oz./sq. yd.) vinyl. The upper portion is vinyl coated polyester mesh weighing .24 kg./sq. m. (7 oz./sq. yd.) and shall have a colour to match the base colour of the curtain. Mesh shall be treated for fire resistance and UV degradation.

**NOTE:** Not suitable for dusty environments.

**Sports Net:** The lower 3048 mm (10 ft.) of curtain shall be .61 kg./sq.m. (18 oz./sq. yd.) or .85 kg./sq. m. (25 oz./sq. yd.) vinyl. The upper portion shall contain 1 1/4" square nylon net, coated to match the base colour of the curtain. Curtain shall allow light and ventilation system to function normally and shall not break down from sport activities and continual use. All vinyl material on the top portion of this curtain shall be doubled to conceal the edges of the net and double sewn except on the top and transitional centre bands that are to be quadruple sewn.

Textiles Properties	.61 kg./sq.m. (18 oz./sq.yd.)	.85 kg./sq.m. (25 oz./sq.yd.)	1.9 kg./sq.m. (55 oz./sq.yd.)
Base Fabric	10 X 10 1000 denier	18 X 18 1000 denier	10 X 10 1000 denier
Tensil Strength (tongue) Warp Fill	.98kN (220 lbs.) .85kN (190 lbs.)	1.83kN (411 lbs.) 1.98kN (445 lbs.)	1.51kN (340 lbs.) 1.56kN (355 lbs.)
Tear Strength (tongue) Warp Fill	.27kN (60 lbs.) .40kN (90 lbs.)	.45kN (102 lbs.) .59kN (133 lbs.)	.44kN (100 lbs.) .49kN (110 lbs.)
Flame Resistance Small scale ULCS109 NFPA701	PASS PASS	PASS PASS	PASS PASS
Large Scale & Folded Test Flame Spread Fuel Contributed	10 0	30 0	20 0
Smoke developed E84 S102.2	525	215	1070

