

Section 116623 - GYM DIVIDER CURTAINS

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Gymnasium **GSS Vista** Divider Curtain

1.2 RELATED REQUIREMENTS

- A. Section 055000 - Metal Fabrications: Secondary structural members supporting gymnasium equipment.
- B. Section 260583 - Wiring Connections.

1.3 REFERENCE STANDARDS

- A. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials 2018b.
- B. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- C. NFPA 101 - Life Safety Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and supplements.
- D. NFPA 286 - Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth 2015.
- E. NFPA 701 - Standard Methods of Fire Tests for Flame Propagation of Textiles and Films.

1.4 ADMINISTRATIVE REQUIREMENTS

- A. Large Components: Ensure the large components can be moved into final position without damage to other construction.
- B. Electrically Operated Equipment: Coordinate location and electrical characteristics of service connection.

1.5 SUBMITTALS

- A. See Section 013000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide manufacturer's data showing configuration, sizes, materials, finishes, hardware, and accessories; include:
 - 1. Electrical characteristics and connection locations.
 - 2. Fire rating certifications.
 - 3. Structural steel welder certifications
 - 4. Manufacturer's installation instructions.
- C. Shop Drawings: For custom fabricated equipment indicate, in large scale detail, construction methods; method of attachment or installation; type and gage of

metal, hardware, and fittings; plan front elevation; elevations and dimensions; minimum one cross section; utility requirements as to types, sizes, and locations.

- D. Erection Drawings: Detailed dimensional requirements for proper location of equipment.
- E. Samples: Submit samples of curtain materials in manufacturer's available range of colors.
- F. Operating and maintenance data, for each operating equipment item.
- G. Warranty: Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.

1.6 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section, with not less than three years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of the type specified with minimum two years of experience.

1.7 WORK BY OTHERS

- A. Electric conduits, wiring, and disconnect. Boxes to connect to power supply and remote mount key switches at hand height within unobstructed line of site to curtain. Permanent connections from disconnect to control box and from control box to motor.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Deliver products to the project site in manufacturer's original packaging with factory original labels attached.
- B. Store products indoors and elevated above the floor; prevent warping, twisting, or sagging.
- C. Store products in accordance with manufacturer's instructions; protect from extremes of weather, temperature, moisture, and other damage.

1.7 WARRANTY

- A. Gymnasium Divider Curtain Fabric Panel shall be warranted free of defects in material and workmanship for a period of one (1) year.
- B. Gymnasium Divider Curtain motor and hardware shall be warranted for a period of three (3) years against all defects of material and workmanship.

PART 2 - PRODUCTS

2.1 GYMNASIUM DIVIDER CURTAIN

- A. Supply and install one electrically operated **Vista** divider curtain as manufactured by **Grand Slam Safety, LLC.** or an approved equal to be complete in all respects with operating motor and controls.
- B. Other suppliers or manufacturers wishing bid products other than product specified herein shall submit to the Architect 7 days prior to the bidding a list of 3 past installations similar to the proposal, complete catalogue data along with deviations from the product specified. The manufacturer guarantees the proposed substitute product to comply with the product specified and as detailed on the drawings unless the deviations are so noted in the submittal for approval.

2.2 MATERIAL AND FABRICATION

- A. Curtain Material: Class A rated, self-extinguishing vinyl coated polyester meeting NFPA 701.
- B. Curtain shall be assembled from vertical and horizontal strips overlapping 2" triple sewn and or welded. Panel is to be of correct size to cover the entire opening except if designated otherwise.
- C. Curtain to have top and bottom pocket to accommodate 1 ½" diameter pipe. There are to be d-rings on 10'-0" centers spaced not greater than 48" apart to allow routing of lifting cables. Manufacturer may decide to alter these dimensions to best suit opening dimensions.
- D. Curtain to have 8' high double wall vinyl or mesh lower portion to enclose and conceal lifting cables for superior aesthetics and safety for athletes.
- E. Curtain shall hang loose and free so that it may fold up to match desired roofline.

2.3 DESIGN CRITERIA

- A. The materials shall have the following characteristics:

Lower Portion		Upper Portion	
Vinyl		Flexmesh	
Weight	18 oz/sq.yd.	Weight	7 oz/sq.yd.
		Mesh	1/8" apertures
Finish	Color to be selected by Architect		

2.4 RAISING AND LOWERING MECHANISM

- A. The centrally located motor drive unit 2HP-208v-3 phase shall be equipped with magnetic contactors and overload that can stop, start and reverse from any position and electric brake and travel limit switches.
- B. Drive shaft shall measure 1" equipped with individual pulleys for each take up line. The pulleys range from 25 times the cable diameter and increase according to accommodate the desired stacked profile.
- C. Operating control shall be spring loaded type key switch flush mounted.
- D. All exposed hardware is to be zinc plated, powder coated, or painted to color match as required by the Architect.

2.5 MANUFACTURERS:

- A. Grand Slam Safety, LLC: www.grandslamsafety.com

PART 3 - EXECUTION

3.2 EXAMINATION AND MEASUREMENT

- A. When the job is sufficiently advanced to permit the installation of the gymnasium divider curtain, visit the site and check the actual conditions where the partition is to be installed, to ascertain whether the preparation work by the preceding trades is acceptable.
- B. Check and record all dimensions that affect the manufacture and installation of the units. Incorporate these dimensions into the Shop Drawings.
- C. Delivery to the job site shall be co-coordinated by the Contractor. Proper storage of the curtain before installation and continued protection during and after installation shall be the responsibility of the Contractor.

3.3 INSTALLATION

- A. Install gymnasium divider curtain straight and level and adjust movable parts for smooth operation.
- B. Clean soiled surfaces with cleaners compatible with finished surfaces.
- C. A local **Grand Slam Safety, LLC**. factory trained installer shall carry out this installation.
- D. Electrical Contractor will provide electrical connections and power.

3.3 OPERATION

- A. The gymnasium divider curtain shall be capable of being stacked at the top of the opening between joists or under joists as required.
- B. A single person shall easily operate the gymnasium divider curtain.