

**NOTE TO THE SPECIFYING ARCHITECT REGARDING
SECTION 11073
ACOUSTICAL DRAPERY AND TRACKS FOR AUDITORIUM WALLS
(MOTORIZED SYSTEM)**

Acoustical side wall draperies are used to tune the auditorium.

The full drapery when extended, is used for sound absorption, desirable for use with electronic amplification of the spoken word to improve distinguishing articulation.

The drapery, when stacked in a storage position, exposes a reflective hard surface desirable for musical programs.

The system specified requires 2 draw curtain machines with remote control station.

For layouts or information call 1 800 548 8982. No charge, of course.

SECTION 11073
ACOUSTICAL DRAPERY AND TRACKS FOR AUDITORIUM WALLS
(MOTORIZED SYSTEM)

PART 1 GENERAL

1.01 SECTION SCOPE

- A. Acoustical Draperies
- B. Tracks for Auditorium Wall Drapery
- C. Draw Curtain Machines
- D. Control Equipment

1.02 SUBMITTALS FOR REVIEW

- A. Section 01300 - Submittals: Procedures for submittals
- B. Product Data: Submit manufacturer's specifications and product data for each type of material specified.
- C. Shop Drawings: Submit shop drawings indicating plan, layout, elevations, and detailed sections of anchorage and fastening systems and elements. Show anchors, hardware, operating equipment and other components.
- D. Samples: Submit three samples, minimum size 12 in. x 12 in. of each type curtain material with full color line available.
- E. Manufacturer's Installation Instructions: Indicate installation requirements and special conditions.

1.03 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing the products specified in this section with minimum five years experience.
- B. Fabricator/Installer: Company specializing in fabrication and performing the work of this section with minimum five years experience.

1.04 FLAME RESISTANT REQUIREMENTS

- A. Class "A" rated.

1.05 LIMITED WARRANTY

- A. Equipment and accessories shall be warranted against defective material and workmanship for a period of one year from date of Substantial Completion.

1.06 CERTIFICATION

- A. Submit manufacturer's certification that auditorium wall drapery and tracks comply with requirements for flame resistance.

PART 2 - PRODUCTS

2.01 SCOPE

- A. This contractor shall furnish and install acoustical draperies and institutional quality stage curtain tracks in accordance with the following specifications at all areas listed below. The function of the drapery is to acoustically tune the auditorium by varying the ratio of sound absorbing to sound reflecting surface.

2.02 MANUFACTURERS

- A. Janson Industries (800 548 8982)
- B. J.R. Clancy Co.
- C. Automatic Devices Co.
- D. Substitutions: Under provisions of 01600

2.03 MATERIALS

- A. Fabric: K-M or Janson cotton velour, weighing 21 ounces per linear yard, flameproofed as required by local and state codes. Colors and patterns shall be selected by the Architect and/or owner from samples provided by this contractor.
 - 1. All fabrics shall be fire resistant and shall comply with NFPA 701 standards for fire retardancy.
- B. Hardware: Tracks shall be Janson 880 or ADC 142, or Clancy 142, heavy duty track with a race of ball bearings in each wheel. Track shall be of institutional quality with a metal body and neoprene or nylon tires expected to function without failure for the lifetime of the building. Track shall be extruded aluminum or rolled steel with a minimum of mechanical splices. Carriers shall have two-wheel construction with full swivel eye or hook, and shall be furnished on 9 inch centers, or as required to coordinate with the draperies. Furnish end pulleys and 1/8 - 3/16 vinyl coated aircraft cable for continuous operating line. Furnish master carriers and all necessary accessories.

2.04 DRAW-CURTAIN MACHINES

- A. Provide (2) operating draw-curtain machines of size and capacity recommended for curtains specified, each with electric motor and factory pre-wired motor controls, starter gear-reduction unit, and remote controls. Coordinate wiring requirements and electrical characteristics with building electrical system.

For each of (2) draw curtain machines:

1. Provide key-operated switches, keyed alike, and one key per switch plus one extra key.
 2. Provide draw-curtain machines.
 3. All units on each auditorium sidewall will operate together.
- B. Comply with NFPA 70.
- C. Operator type: cable drum with grooved drums and cable tension device to automatically take up slack and retain cable grooves.
- D. Operator type: traction drive
1. limit switches (2) preset stops
 - a. fully retracted (referred to as Mode 1)
 - b. fully exposed (referred to as Mode 2)
- E. Electric motor: reversible, continuous-duty, constant-speed, single phase, 60-Hz, 115-V ac, electric motor with thermal-overload protection.
1. motor rating: 1/3 hp
 2. magnetic reversing starter

2.05 CONTROL EQUIPMENT

- A. Remote control station: provide control panel to include the following elements:
1. button to move curtains to Mode 1 position
 2. button to move curtains to Mode 2 position
 3. emergency stop button

PART 3 - EXECUTION

3.01 DRAPERY FABRICATION

- A. Draperies shall be fabricated with 100 percent added pleated fullness, using no less than half widths in each curtain section. Draperies shall extend the full length of tracks, shall be manufactured in single sections or pairs for a typical track and shall extend from the track to trim height required. Seams, headings, and bottom hems shall be furnished in accordance with standard industry practice.

3.02 TRACK INSTALLATION

- A. Track shall be secured to the structure by means of bolting directly to structural steel or

to brackets. Hardware required for track installation will be furnished and installed by this contractor, including clip angles and connecting hardware.

3.03 SCHEDULE OF ACOUSTICAL DRAPERY AND TRACKS

- A. See schedule below for areas that require draperies manufactured from flame resistant fabric. Provide track located at the elevation indicated in the drawings. Trim bottom of drapery as noted on the drawings or as instructed by the architect. Confirm final trim location with the architect.

LOCATION	DRAPERY STACKING
Auditorium left side	Operate as one motorized assembly
Auditorium right side	Operate as one motorized assembly

3.04 COORDINATION

- A. Installation shall be coordinated with the progress of the general construction. All of the necessary grounds, clip angles, hangers, connecting hardware and supports required shall be furnished by this contractor. Track shall be installed as one operation, and draperies shall be installed as another operation after the building has been cleaned.
- B. The drapery machines shall be put in place by the acoustical drapery contractor, who is responsible for installing the motors and setting the limit switches. The control panel shall be given free to the prime electrical contractor on the project, and the prime electrical contractor will install conduit, pull the wires, install the control panel, and make the connections.
- C. All work shall be executed using high standards of workmanship in fabrication and erection. The finished installation shall be complete and functional in every respect, and drapery shall be left ready for use.

END OF SECTION

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11/10/04