

**TECHNICAL SPECIFICATIONS
DRAPERY, DRAPERY TRACK AND ACCESSORIES**

PART 1 - GENERAL

1.1 DESCRIPTION:

- A. This section includes drapery, lining, drapery tracks, drapery traverse rods and accessories

1.2 SUBMITTALS:

- A. Submit PRODUCT DATA, AND SAMPLES.
- B. Manufacturer's Literature and Data:
 - 1. Drapery, lining, drapery tracks, traverse rod, hardware.

1.3 APPLICABLE PUBLICATIONS:

- A. The publications listed below form a part of this specification to the extent referenced. The publications are referenced in the text by the basic designation only.
- B. NFPA 701 Fire Standard.
- C. ASTM International (ASTM):
 - B221 -14.....Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes
 - B221M-13.....Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric)
 - D1187/D1187M-97(R2011)..Asphalt-Base Emulsions for Use as Protective Coatings for Metal
- D. The Aluminum Association Publication (AA):
 - DAF 45-09.....Designation System for Aluminum Finishes

PART 2 - PRODUCTS

2.1 MATERIALS:

- A. Aluminum, Extruded: ASTM B221M (B221).
- B. Drapery and lining material in accordance with NFPA 701.

2.2 DRAPERY AND DRAPERY TRACKS:

- A. General: Fabricate motorized drapery tracks of extruded aluminum, with necessary hangers, fittings, fastenings, and curtain carriers. Provide interior finish of track suitable for passage of master carriers and other carriers.
 - 1. Provide traverse type tracks with bi-parting operation one way draw, left and right as required by field conditions.

2. Where drapery width exceeds 4572 mm (15 feet) in width, provide two (2) separate one-way tracks with motorized cords on opposite ends controlled by one central switch. Tracks shall fit together evenly, with a right hand master used on first track and a left hand master used on the second track, so that sufficient overlap of draperies will occur.
 3. Provide wall tension pulleys on all track installations.
 4. Provide drapery that will cover the proposed area and have a seamless appearance.
- B. Tracks: Form of extruded aluminum 1.27 mm (0.050 inch) thick.
1. Provide channel shape, flat profile or track with a cross section width and depth to carry the drapery without sagging.
 2. On bi-parting tracks, provide motorized two-wheel nylon or ball bearing end pulleys with zinc-coated steel housing at each end.
- C. Wall Mounting Brackets: Provide brackets of 1.27 mm (0.05 inch) aluminum to fit flush with track faces, and be of length to allow tracks to hang 63 mm (2-1/2 inches) from wall.
- D. Carriers: Ball bearing nylon rollers or non-binding two-wheel nylon rollers with eyes for drapery hooks. Provide one (1) carrier for each 101 mm (4 inches) of track. Provide master carriers with four (4) nylon wheels each.
- E. Accessories: Provide all component parts, including No. 4 drapery cord with a rayon center, end pulleys, weighted cord pulls, batons track splicers, end shields, motorized wall pulleys, and fastenings.
- F. Provide approximately 22 square yards of curtain material, color to be selected by the facility (Chaplain). The material must be submitted and approved. The material must meet all fire and safety requirements of NFPA 701. The curtain shall have a weighted bottom seam to allow for smooth flow when opening and closing. The fabricated specifications should be within 0.5" in length and 1.0" in widths to the area covered. Drapery fabrics will be pre-shrunk and meet NFPA 701 fire rating requirements.

2.3 DRAPERY TRAVERSE ROD:

- A. Provide heavy-duty rods, flat top type, formed of 0.96 mm (0.038 inch; 20 gage) cold-rolled steel, with baked-on white enamel finish or finish approved by the facility.
- B. Provide traverse hardware for direction of travel, and location on wall, as required.

- C. Provide tension pulleys for each rod. Tension pulleys are to have a metal center stem.
- D. Provide cotton motorized draw cord with rayon center, No. 4 size.
 - 1. Provide self-lubricating, nylon type carriers, brackets, and intermediate supports, and related components required for a complete working installation.

2.4 FASTENERS:

- A. Provide fasteners for installation as follows:

Fasteners	Structural Material
Wood or sheet metal screw	Wood
Self-tapping screw	Metal, sheet metal
Case hardened, self-tapping screw in pre-drilled hole	Solid masonry or concrete
Screw or bolt in expansion shield	Solid masonry or concrete
Toggle or molly bolt	Hollow masonry, gypsum wallboard, plaster

2.5 BITUMINOUS PAINT:

- A. ASTM D1187/D1187M.

2.6 FINISH:

- A. Provide exposed surfaces with the following finish:
 - 1. Aluminum: Finish numbers for aluminum are in accordance with DAF 45.
 - a. AA-C22A31 finish chemically etched medium matte, with clear anodic coating, Class II Architectural 0.4 mils thick.
 - 2. Steel: Baked-on enamel or epoxy coating finish as standard with the manufacturer.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Drapery Track: Set tracks straight and level, and rigidly anchor to surfaces with fastenings, as required by building construction.
 - 1. Install wall-mounted tracks with two (2) brackets 305 mm (1 foot) apart on each track end. Space intermediate supports not over 1219 mm (4 feet) apart. Leave sufficient clearance to allow for drapery heads.
- B. Drapery Traverse Rod and Motorized Controls: Provide for direction of travel, and location on wall or top inside of curtain box.

1. Install tension pulleys for each rod inside the box and locate them so that they are not visible when drapes are hung.
2. Anchor wall pulleys controls to the wall as required by track location and length of drapes and to be at a height that is ADA compliant. Space intermediate supports at maximum of 1270 mm (50 inches).
3. Motorized controls will be located no more than 4.0' from the floor height and adjacent to the curtain location. Any associated wiring will run inside the walls and will not be visible. This is to include any conduit or junction boxes.

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