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ARCHITECTURAL SPECIFICATIONS TRADITIONAL CUBICLE CURTAINS

These specifications are current to meet NFPA701 standards as of January 1, 2023

SECTION 10 21 23 - CUBICLE CURTAIN TRACK SYSTEM AND TRADITIONAL CURTAINS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Curtain tracks and curtain carriers.
 - 2. Cubicle curtains.
- B. Related Sections include the following:
 - 1. Division 6 Section "Rough Carpentry."
 - 2. Division 9 Section "Gypsum Board Assemblies, Acoustical Panel Ceilings, Acoustical Tile Ceilings."

1.3 PERFORMANCE REQUIREMENTS

- A. Curtains: Provide curtain fabrics with the following characteristics:
 - 1. Fabrics are launderable to a temperature of not more than 140-160 deg F (60-71 deg C).
 - 2. Fabrics are inherently flame resistant and are identical to those that have passed NFPA 701 when tested by a testing and inspecting agency acceptable to authorities having jurisdiction.
 - a. Identify curtains with size.

1.4 SUBMITTALS

- A. Product Data: Submit copies of manufacturer's detailed technical data for materials, fabrication and installation of cubicle curtain tracks and curtains specified herein. Include catalog cuts of fittings, anchors, fastenings and accessories.
- B. Shop Drawings: Show layout and types of cubicles, sizes of curtains, number of carriers, anchorage details, and conditions requiring accessories. Indicate dimensions taken from field measurements.
- C. Samples for Verification: Full-size units of each type of the following products:
 - 1. Curtain Fabric: 12-inch square swatch or larger Sample as required to show complete pattern repeat, from dye lot used for the Work, with specified treatments applied. Mark top and face of material.
 - 2. Mesh Top: Not less than 4 inches square.
 - 3. Curtain Track: Not less than 4 inches long.
 - 4. Curtain Carrier: Full-size unit.
- D. Cubicle Schedule: Use same room designations as indicated on Drawings.
- E. Product Certificates: Signed by manufacturers of tracks and curtains certifying that products furnished comply with requirements.
- F. Maintenance Data: For tracks and curtains to include in maintenance manuals specified in Division 1.

1.5 PROJECT CONDITIONS

- A. Environmental Limitations: Do not install cubicles until spaces are enclosed and weatherproof, wet work in spaces is complete and dry, work above ceilings is complete, and ambient temperature and humidity conditions are maintained at the levels indicated for Project when occupied for its intended use.
- B. Field Measurements: Where cubicles are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by the following:
 - 1. Cubicle Curtain Factory, Inc., 7810 S. Dixie Hwy, West Palm Beach, FL 33405
Phone (800) 588-9296 / (561) 202-0040 Fax (866) 804-5692

2.2 CURTAIN TRACKS

- A. Extruded-Aluminum Track No. 1200: 1-3/8 inches wide by 3/4 inch high aluminum track.
- B. Extruded-Aluminum Suspended Track No. 1100: 1-7/16 inches wide by 15/16 inch high aluminum track.
 - 1. Curved Track: Factory fabricated 12-inch radius bends.
 - 2. Finish: White baked enamel.
- C. Track Accessories: Fabricate splices, end caps, connectors, end stops, coupling and joining sleeves, wall flanges, brackets, ceiling clips, and other accessories from same material and with same finish as track.
 - 1. Suspended Track Support: Not less than 1-inch OD aluminum tube.
 - 2. End Stop: Removable.
- D. No. 12 Curtain Carriers: Two nylon rollers, nylon axle and tangle free nylon swivel stem with nickel-plated steel hook.
- E. No. 11 Curtain Carriers: One-piece nylon glide, tangle free nylon swivel with nickel-plated steel hook.
- F. No. 20 Breakaway Carrier: Three-piece nylon wheels, body and hook (recommended for use in No. 1200 Cubicle Track).
- G. Exposed Fasteners: Stainless steel.
- H. Concealed Fasteners: Stainless steel.

2.3 CURTAINS

- A. Curtain Fabric: Cubicle manufacturer's standard, as follows:
 - 1. Fiber Content: 100 percent polyester, inherently and permanently flame resistant. Complies with NFPA 701 fire code standards.
 - 2. Products: Subject to compliance with requirements, provide the following:
 - a. Cubicle Curtain Factory, Inc. Cubicle Curtains
 - 1) Pattern: As selected by Architect from manufacturer's full range of available fabrics.
 - 2) Color: As selected by Architect from manufacturer's full range of available colors.
- B. Mesh: No snag, tightly woven selvedge, 1 1/4 inch fire retardant grommet band at top edge. White or beige nylon mesh with openings having a minimum of 70 percent open (1/2" diagonal).
- C. Curtain Grommets: #2 rolled-edge, rustproof, nickel-plated brass; spaced not more than 6 inches on center and machined into top header.

2.4 CURTAIN FABRICATION

- A. Fabricate curtains to comply with the following requirements:
1. Width: Equal to track length from which curtain is hung plus 10-15 percent added fullness, unless otherwise specified.
 2. Length: Equal to floor-to-ceiling height, with a minimum of 20 inches mesh top unless otherwise specified, and minus distance above finished floor at bottom as follows:
 - a. Cubicle Curtains: 10-12 inches, unless otherwise specified.
 3. Mesh: Mesh is serged to face fabric, turned and stitched with double needle lock stitch no less than ½ inch in width.
 4. Bottom and Side Hems: 1 ¼" double turned, double needle lock stitch
 5. Vertical Seams: Vertical seams are serged together and sewn with double needle lock stitch not less than 1/2 inch wide.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. General: Install tracks level and plumb, according to manufacturer's written instructions. Provide track fabricated from one continuous length up to 18 feet.
1. Curtain Track Mounting. Select One: Surface Suspended Recessed.
- B. Surface Track Mounting: Fasten surface-mounted tracks at intervals of not more than 36 inches. Fasten support at each splice and tangent point of each corner. Center fasteners in track to ensure unencumbered carrier operation. Attach track to ceiling as follows:
1. Mechanically fasten directly to bottom of concrete deck with anchor screws.
 2. Mechanically fasten directly to finished ceiling with toggle bolts.
 3. Mechanically fasten to furring through suspended ceiling with screw and tube spacer.
 4. Mechanically fasten to suspended ceiling grid with screws.
- C. Suspended Track Mounting: Install track with suspended supports at intervals of not more than 84 inches. Fasten support at each splice and tangent point of each corner. Secure ends of track to wall with flanged fittings or brackets.
- D. Track Accessories: Install end caps, connectors, end stops, coupling and joining sleeves, and other accessories as required for a secure and operational installation.
- E. Curtain Carriers: Provide curtain carriers adequate for 6-inch spacing along the full length of the curtain.
- F. Curtains: Hang curtains on each curtain track.

3.2 DEMONSTRATION

- A. Train Owner's maintenance personnel to adjust, operate, and maintain safety-loading units.
 - 1. Train Owner's maintenance personnel on procedures and schedules for changing curtains and maintaining cubicles.

3.3 PROTECTION

- A. Protect installed recessed track openings with non-residue adhesive tape to prevent debris from ceiling finishing operations from impeding carrier operation.

END OF SECTION 10 21 23