

SECTION 102123 - CUBICLES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes the following:
 - 1. Ceiling-mounted curtain tracks and curtain carriers.
 - 2. Cubicle curtains.
- B. Related Sections include the following:
 - 1. Division 09 Sections "Non-Structural Metal Framing," Gypsum Board," and "Acoustical Panel Ceilings" for metal framing and furring for mounting items requiring anchorage.

1.3 SUBMITTALS

- A. Product Data: Include durability, laundry temperature limits, fade resistance, and fire-test-response characteristics for each type of curtain fabric indicated.
 - 1. Include data on each type of applied curtain treatment.
- 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.
 - 1. Include details on blocking above ceiling.
- C. Coordination Drawings: Reflected ceiling plans, drawn to scale, on which the following items are shown and coordinated with each other, based on input from installers of the items involved:
 - 1. Suspended ceiling components.
 - 2. Structural members to which suspension systems will be attached.
 - 3. Items penetrating finished ceiling, including the following:
 - a. Lighting fixtures.
 - b. Air outlets and inlets.

- c. Speakers.
 - d. Sprinklers.
 - e. Access panels.
- D. Samples for Initial Selection: For each type of curtain material indicated, manufacturer's standard swatches.
- E. Samples for Verification: For each type of product required, prepared on Samples of size indicated below.
- 1. Curtain Fabric: 12-inch (305 mm) square swatch or larger 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 (102 mm) square of each mesh sieve size available.
 - 3. Curtain Track: Not less than 4 inches (102 mm) long.
 - 4. Curtain Carrier: Full-size unit.
- F. Curtain and Track Schedule: Use designations based on room names and numbering as indicated on Drawings.
- G. Manufacturer Certificates: Signed by manufacturers certifying that products comply with requirements.
- H. Special Warranty: Samples of manufacturer's standard and special warranties.
- I. Operation and Maintenance Data: For curtains, track, and hardware to include in operation and maintenance manuals.

1.4 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.

1.5 EXTRA MATERIALS

- A. Furnish extra materials described below, before installation begins, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
- 1. Curtain Carriers and Track End Caps: Full-size units equal to 3 percent of amount installed for each size indicated, but no fewer than 10 units.
 - 2. Curtains: Full-size units equal to 10 percent of amount installed for each size indicated, but no fewer than 2 units.

PART 2 - PRODUCTS

2.1 CUBICLE CURTAIN TRACKS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
1. ADC Hospital Equipment; Division of Automatic Devices Company.
 2. Alderman Acres Mfg, Inc.
 3. Barjan Manufacturing Ltd.
 4. Coldraco, Inc.
 5. Covoc Corporation.
 6. Crowder, K. N. Manufacturing, Inc.
 7. Cubicle Curtain Factory, Inc.
 8. Diamond Drapery Co.
 9. Erwin and Associates, Inc.
 10. General Cubicle Company, Inc.
 11. Imperial Fastener Company, Inc.
 12. InPro Corporation.
 13. Nelson, A. R. Co.
 14. Pryor Products.
 15. Salsbury Industries.
 16. Silent Gliss USA Inc.
 17. Tubular Specialties Manufacturing, Inc.
- B. Extruded-Aluminum Track: Not less than 1-1/4 inches wide by 1-1/8 inches high (32 mm wide by 29 mm high) with minimum wall thickness of 0.050 inch (1.27 mm).
1. Curved Track: Factory-fabricated, 12-inch- (305-mm-) radius bends, where indicated on the Drawings.
 2. Finish: Clear anodized.
- 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. End Stop: Removable with carrier hook.
 2. Hinged Loading Unit: Detachable hinge and lock unit factory assembled on 60-inch (1524-mm) section of manufacturer's extruded-aluminum track. Provide 1 operating wand for every 10 cubicles.
- D. Curtain Carriers: Two nylon rollers and nylon axle with chrome-plated steel hook.
- E. Breakaway Curtain Carriers: One-piece nylon breakaway curtain carriers designed to allow curtains to detach from tracks with a pulling force of no more than 5 lbf (22.2 N).
- F. Exposed Fasteners: Stainless steel.
- G. Concealed Fasteners: Stainless steel.

2.2 CURTAINS

- A. Cubicle Patient Room Curtain Fabric: Subject to compliance with requirements, provide the following:
 - 2. Pattern: TBD.
 - 3. Color: TBD.
- C. Curtain Grommets: Two-piece, rolled-edge, rustproof, nickel-plated brass; spaced not more than 6 inches (152 mm) o.c.; machined into top hem.
- D. Mesh Top: Nylon mesh sieve size as selected by Architect from manufacturer's full range.
- E. Beaded-Chain Curtain Drop: 15 inches (381 mm) long; nickel-plated steel, with aluminum hook.
- F. Curtain Tieback: Nickel-plated brass chain; one at each curtain termination.

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 percent added fullness, but not less than 12 inches (305 mm) added fullness.
 - 2. Length: Equal to floor-to-ceiling height, with 20 inch (4508 mm) mesh top, and minus distance above the finished floor at bottom as follows:
 - a. Curtains: 12 inches (305 mm).
 - 3. Mesh Top: Top hem not less than 1 inch (25.4 mm) and not more than 1-1/2 inches (38 mm) wide, triple thickness, reinforced with integral web, and double lock stitched. Double lock stitch bottom of mesh directly to 1/2 inch (13 mm) triple thickness, top hem of curtain fabric.
 - 4. Bottom Hem: Not less than 1 inch (25.4 mm) and not more than 1-1/2 inches (38 mm) wide, triple thickness, reinforced, and double lock stitched.
 - 5. Side Hems: Not less than 1/2 inch (13 mm) and not more than 1-1/4 inches (32 mm) wide, with double turned edges, and single lock stitched.
- B. Vertical Seams: Not less than 1/2 inch (13 mm) wide, double turned and double stitched.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates and conditions, with Installer present, for compliance with requirements for installation tolerances, and other conditions affecting performance of work.
 - 1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Install tracks level and plumb, according to manufacturer's written instructions.
- B. Up to 16 feet (4.9 m) in length, provide track fabricated from 1 continuous length.
 - 1. Cubicle Curtain Track Mounting: Surface, as indicated on Drawings.
- C. Surface Track Mounting: Fasten surface-mounted tracks at intervals of not less than 24 inches (610 mm). 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 finished gypsum board ceiling with toggle bolts.
 - 2. Attach track to suspended ceiling grid with manufacturer's proprietary clip, where possible. Otherwise, mechanically fasten to suspended ceiling grid with sheet metal screws.
- D. Track Accessories: Install splices, end caps, connectors, end stops, coupling and joining sleeves, and other accessories as required for a secure and operational installation.
 - 1. Provide one hinged loading unit for each bed.
- E. Curtain Carriers: Provide curtain carriers adequate for 6-inch (152-mm) spacing along full length of curtain plus an additional carrier.
- F. Curtains: Hang curtains on each curtain track and secure with curtain tieback.

END OF SECTION 102123