

## **SECTION 102123 - CUBICLE CURTAINS AND TRACK**

### **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. Section Includes:
  - 1. Cubicle-curtain tracks and carriers.
  - 2. Cubicle curtains.
- B. Related Requirements:
  - 1. Section 061053 "Miscellaneous Rough Carpentry" for supplementary wood framing and blocking for mounting items requiring anchorage.
  - 2. Section 092216 "Non-Structural Metal Framing" for supplementary metal framing and blocking for mounting items requiring anchorage.

#### **1.3 ACTION SUBMITTALS**

- A. Product Data: For each type of product.
  - 1. For each type of curtain fabric indicated, include durability, laundry temperature limits, fade resistance, applied curtain treatments, and fire-test-response characteristics.
- B. Shop Drawings: For curtains and tracks.
  - 1. Show layout and types of cubicles, sizes of curtains, number of carriers, anchorage details, and conditions requiring accessories. Indicate dimensions taken from field measurements.
  - 2. Include details of blocking for track support.
- C. Samples: For each exposed product and for each color and texture specified, 10 inches in size.
- D. Samples for Initial Selection: For each type of curtain material indicated.

- E. Samples for Verification: For each type of product required, prepared on Samples of size indicated below:
1. Curtain Fabric: Not less than 10 inches square and showing 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 10 inches square.
  3. Curtain Track: Not less than 10 inches long.
  4. Curtain Carrier: Full-size unit.
- F. Product Schedule: For curtains and tracks: CC##..

#### **1.4 CLOSEOUT SUBMITTALS**

- A. Operation and Maintenance Data: For curtains, tracks, and hardware to include in operation and maintenance manuals.

#### **1.5 MAINTENANCE MATERIAL SUBMITTALS**

- A. Furnish extra materials described below 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 two units.

#### **1.6 QUALITY ASSURANCE**

- A. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.
1. Build mockup of typical cubicle as shown on Drawings.
  2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
  3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

## **PART 2 - PRODUCTS**

### **2.1 PERFORMANCE REQUIREMENTS**

- A. Cubicle Curtains: Provide curtain fabrics with the following characteristics:
1. Laundering: Launderable to a water temperature of not less than 160 deg F.
  2. Flame Resistance: Provide fabrics identical to those that have passed NFPA 701 when tested by a qualified testing agency acceptable to authorities having jurisdiction.
    - a. Identify fabrics with appropriate markings of a qualified testing agency.

### **2.2 CUBICLE-CURTAIN SUPPORT SYSTEMS**

- A. Manufacturers: Subject to compliance with requirements, [provide products by the following] [provide products by one of the following] [available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following]:
- B. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings or comparable product by one of the following:
1. A. R. Nelson Co.
  2. Alderman Acres Mfg, Inc.
  3. Automatic Devices Company.
  4. Barjan Manufacturing Ltd.
  5. Coldraco, Inc.
  6. Construction Specialties, Inc.
  7. Covoc Corporation.
  8. Cubicle Curtain Factory, Inc.
  9. Diamond Drapery Co.
  10. Erwin and Associates, Inc.
  11. Hospi-Tel Manufacturing Co.
  12. Imperial Fastener Company, Inc.
  13. InPro Corporation (IPC).
  14. Pryor Products.
  15. Salsbury Industries.
  16. Standard Textile Co., Inc.
  17. Tubular Specialties Manufacturing, Inc.
- C. Extruded-Aluminum Curtain Track: Not less than 1-1/4 inches wide by 3/4 inch high 5/8 inch wide by 1/2 inch high .

1. Track Minimum Wall Thickness: 0.050 inch 0.058 inch 0.062 inch Manufacturer's standard Insert dimension.
  2. Curved Track: Factory-fabricated, 12-inch- Insert radius radius bends.
  3. Finish: Clear anodized Satin anodized Baked enamel, acrylic, or epoxy Insert finish.
- D. PVC Curtain Track: Not less than 1-1/4 inches wide by 15/16 inch high .
1. Curved Track: Factory-fabricated, 12-inch- radius bends.
- E. Curtain 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 5/8-inch- square 7/8-inch- OD tube.
  2. End Stop: Nonremovable Removable with carrier hook.
  3. Switch Unit: Shuttle and coupling device for rerouting and securing cubicle curtain, with pull chain for switching track.
- F. Curtain Roller Carriers: Two nylon rollers and nylon axle with chrome-plated steel nylon aluminum hook.
- G. Curtain Glide Carriers: One-piece nylon glide with hook.
- H. Breakaway Curtain Carriers: One-piece nylon Velcro breakaway curtain carriers designed to allow curtains to detach from tracks with a pulling force of no more than 5 lbf.
- I. Exposed Fasteners: Stainless steel.
- J. Concealed Fasteners: Hot-dip galvanized Stainless steel.

### **2.3 CURTAINS**

- A. Manufacturers: Subject to compliance with requirements, [provide products by the following] [provide products by one of the following] [available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following]:
- B. Basis-of-Design Product: Subject to compliance with requirements, provide product indicated on Drawings or comparable product by one of the following:
  1. A. R. Nelson Co.
  2. Alderman Acres Mfg, Inc.
  3. Automatic Devices Company.
  4. Barjan Manufacturing Ltd.
  5. Catalina Curtain Company.

6. Coldraco, Inc.
  7. Covoc Corporation.
  8. Cubicle Curtain Factory, Inc.
  9. Diamond Drapery Co.
  10. Erwin and Associates, Inc.
  11. Hospi-Tel Manufacturing Co.
  12. Imperial Fastener Company, Inc.
  13. InPro Corporation (IPC).
  14. Pryor Products.
  15. Salsbury Industries.
  16. Standard Textile Co., Inc.
- C. Fabric: Curtain manufacturer's standard, 100 percent polyester; inherently and permanently flame resistant, stain resistant, and antimicrobial.
1. Proprietary Fiber:
    - a. Products: Subject to compliance with requirements, provide the following:
      - 1) INVISTA; Avora FR.
      - 2) Trevira; Trevira CS.
    2. Pattern: Insert manufacturer's style name.
    3. Width: Insert dimension.
    4. Color: As selected by Architect from manufacturer's full range Insert requirements.
- D. Curtain Grommets: Two-piece, rolled-edge, rustproof, nickel-plated brass; spaced not more than 6 inches o.c.; machined into top hem.
- E. Mesh Top: Not less than 20-inch- 22-inch- Insert dimension high mesh top.
1. Mesh: No. 50 40 42 nylon mesh.
- F. Beaded-Chain Curtain Drop: 6 inches 9 inches 12 inches 15 inches 18 inches long; nickel-plated steel with aluminum hook.
- G. PVC-Strip Curtain Drop: 16 inches 18 inches long with chrome-plated steel hook.
- H. Snap Attachments: Provide manufacturer's standard nickel-plated brass snap attachments for modular panels.
- I. Curtain Tieback: Nickel-plated brass chain; one at each curtain termination.

## 2.4 CURTAIN FABRICATION

### A. Continuous Curtain Panels:

1. Width: Equal to track length from which curtain is hung plus 10 percent of added fullness, but not less than 12 inches of added fullness.
2. Length: Equal to floor-to-ceiling height, minus depth of track and carrier at top, and minus clearance above the finished floor of 12 inches 15 inches As indicated on Drawings Insert requirements.
3. Top Hem: Not less than 1 inch and not more than 1-1/2 inches wide, triple thickness, reinforced with integral web, and double lockstitched.
4. Mesh Top: Top hem of mesh not less than 1 inch and not more than 1-1/2 inches wide, triple thickness, reinforced with integral web, and double lockstitched. Double lockstitch bottom of mesh directly to 1/2-inch triple thickness, top hem of curtain fabric.
5. Bottom Hem: Not less than 1 inch and not more than 1-1/2 inches wide, double thickness and single double thickness and double triple thickness, reinforced, and double lockstitched.
6. Side Hems: Not less than 1/2 inch and not more than 1-1/4 inches wide, with double triple turned edges, and single lockstitched.
7. Vertical Seams: Not less than 1/2 inch wide, double turned and double stitched.

### B. Modular Curtain Panels:

1. Fabric Panels: 48 inches 66 inches Insert dimension wide. Fabricate panels in quantity required to provide assembled curtains equal to track lengths plus 10 percent added fullness, but not less than 12 inches added fullness.
  - a. Top Hem: Not less than 1 inch and not more than 1-1/2 inches wide, triple thickness, reinforced with integral web, double lockstitched, and with snap attachments to attach panels to mesh top.
  - b. Side Hems: Not less than 1/2 inch and not more than 1-1/4 inches wide, with double turned edges, single lockstitched, and designed for panels hung with overlapping side hems for privacy with snap attachments to attach one panel to another.
2. Length: Equal to floor-to-ceiling height, minus depth of track and carrier at top, and minus clearance above the finished floor of 12 inches 15 inches As indicated on Drawings Insert requirements.
3. Mesh Top: Top hem of mesh not less than 1 inch and not more than 1-1/2 inches wide, triple thickness, reinforced with integral web, and double lockstitched.
  - a. Type: Continuous for each track length, matching overall width of assembled curtains Modular, matching width of modular fabric panels with snap attachments at side hems of mesh-top panels.

4. Vertical Seams: Not less than 1/2 inch wide, double turned and double stitched.

### **PART 3 - EXECUTION**

#### **3.1 EXAMINATION**

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

#### **3.2 INSTALLATION**

- A. Install tracks level and plumb, according to manufacturer's written instructions.
- B. For tracks of up to 20 feet in length, provide track fabricated from single, continuous length.
  1. Curtain-Track Mounting: Surface.
- C. Surface-Track Mounting: Fasten tracks to ceilings at intervals recommended by manufacturer. Fasten tracks to structure 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 post-installed anchors.
  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.
  5. Attach track to suspended ceiling grid with manufacturer's proprietary clip.
- D. Suspended-Track Mounting: Install track with manufacturer's standard tubular aluminum suspended supports at intervals and with fasteners recommended by manufacturer. Fasten supports to structure. Provide supports at each splice and tangent point of each corner. Secure ends of track to wall with flanged fittings or brackets.
- E. 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 locking switch unit for each pair of beds.
  2. Provide one hinged loading unit for each bed.

- F. Curtain Carriers: Provide curtain carriers adequate for 6-inch spacing along full length of curtain plus an additional carrier.
- G. Cubicle Curtains: Hang curtains on each curtain track.

**END OF SECTION**