

## **SECTION 10190 - CUBICLE CURTAIN TRACK SYSTEMS AND 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 less than 160 deg F (71 deg C).
  - 2. Fabrics are 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, and conditions requiring accessories.
- 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. AR Nelson, 3555 Scarlet Oak Blvd., St. Louis, MO, 63122, 800-377-6625

### **2.2 CURTAIN TRACKS**

- A. Extruded-Aluminum Track No. 1200CT: 1-3/8 inches wide by 3/4 inch high aluminum track.
- B. Extruded-Aluminum Suspended Track No. 1100CT: 1-7/16 inches wide by 15/16 inch high aluminum track.
  - 1. Curved Track: Factory fabricated 12-inch radius bends.
  - 2. Finish: Satin anodized or White baked enamel.
- C. Track Accessories: End caps, connectors, end gates, coupling and joining sleeves, wall brackets, ceiling flanges, and other accessories.
  - 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 chrome-plated steel hook.
- E. No. 11 Curtain Carriers: One-piece nylon glide, tangle free nylon swivel with chrome-plated steel hook.
- F. No. 20 Breakaway Carrier: Three-piece nylon wheels, body and hook (recommended for use in No. 1200CT Cubicle Track).

## 2.3 CURTAINS

- A. Curtain Fabric: Cubicle manufacturer's standard, as follows:
  - 1. Fiber Content: 100 percent polyester, inherently and permanently flame resistant.
  - 2. Products: Subject to compliance with requirements, provide the following:
    - a. Nelson 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 Top: White nylon mesh with 1/2" diagonal openings.
- C. Curtain Grommets: Two-piece, rolled-edge, rustproof, nickel-plated brass; spaced not more than 6 inches o.c.; machined into top hem.

## 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 added fullness.
  - 2. Length: Equal to floor-to-ceiling height, with 20-inch mesh top, and minus distance above finished floor at bottom as follows:
    - a. Cubicle Curtains: 14 inches.
  - 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 lock stitched.
  - 4. Mesh Top: Top hem not less than 1 inch and not more than 1-1/2 inches wide, triple thickness, reinforced with integral web, and double lock stitched. Double lock stitch bottom of mesh directly to 1/2-inch triple thickness, top hem of curtain fabric.
  - 5. Bottom Hem: 1 inch double thickness and single lock stitched.
  - 6. Side Hems: Not less than 1/2 inch and not more than 1-1/4 inches wide, with double turned edges, and single lock stitched.
  - 7. Vertical Seams: Not less than 1/2 inch wide, double turned and double stitched.

## 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 16 feet.
  - 1. Curtain Track Mounting. Select One: Surface    Suspended    Recessed.
- B. Surface Track Mounting: Fasten surface-mounted tracks at intervals of not less than 24 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 finish ceiling with toggle bolts.
  3. 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 gates, 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 10190**