

**SECTION 10 21 23  
CUBICLE CURTAIN TRACKS**

SPEC WRITER NOTES:

1. Delete between // // if not applicable to project. Also delete any other item or paragraph not applicable in the section and renumber the paragraphs.
2. Cubicle curtain tracks are not to be used in any locked Mental Health Units except when tracks are recessed and breakaway hooks are utilized.

**PART 1 - GENERAL**

**1.1 DESCRIPTION:**

- A. This section specifies // cubicle curtain track (C.C.T.) //  
// intravenous support assembly (I.V.)// // shower curtain tracks //.

**1.2 RELATED WORK:**

- A. Steel shapes for suspending track assembly: Section 05 50 00, METAL FABRICATIONS.
- B. Acoustical ceiling tile and suspension systems Section 09 51 00, ACOUSTICAL CEILINGS.

**1.3 SUBMITTALS:**

- A. Submit in accordance with Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Samples:
- //1. 305 mm (12 inch) long piece of cubicle curtain track with carrier access and end stop. //
- //2. Clip anchor for fastening track to grid system of acoustical ceilings. //
- //3. One intravenous support assembly consisting of 305 mm (12 inch) long pieces of track, carrier assembly, and bottle pendant. //
- //4. Curtain carrier for attaching curtain to track. //
- C. Shop Drawings: Showing layout of tracks and method of anchorage.
- D. Manufacturer's Literature and Data:
- //1. Cubicle curtain track. //
- //2. Intravenous support assembly. //

**1.4 DELIVERY, STORAGE AND HANDLING:**

- A. Deliver material in original package marked to identify the contents, brand name, and the name of the manufacturer or supplier.

- B. Store in dry and protected location. Store so as to not bend or warp the tracks.
- C. Do not open packages until contents are needed for installation, unless verification inspection is required.

**1.5 WARRANTY:**

- A. Construction Warranty: Cubicle curtain tracks are subject to the terms of the Article "Warranty of Construction," FAR clause 52.246-21.

**1.6 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. ASTM International (ASTM):
  - B221-14.....Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes
  - B221M-13.....Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes (Metric)
  - B456-11.....Electrodeposited Coatings for Copper Plus Nickel Plus Chromium and Nickel Plus Chromium
- C. Aluminum Association (AA):
  - DAF 45-09.....Designation System for Aluminum Finishes
- D. American Architectural Manufacturers Association (AAMA):
  - 2603-13.....Voluntary Specification, Performance Requirements and Test Procedures for Pigmented Organic Coatings on Aluminum Extrusions and Panels
- E. The National Association of Architectural Metal Manufacturers (NAAMM):
  - AMP 500 Series.....Metal Finishes Manual

**PART 2 - PRODUCTS**

SPEC WRITER NOTE: Make material requirements agree with applicable requirements specified in the referenced Applicable Publications. Update and specify only that which applies to the project.

**//2.1 CUBICLE CURTAIN TRACKS:**

SPEC WRITER NOTES: Location of tracks, the type of fasteners permitted for securing the tracks, and the ceiling type must be shown on the drawings. Generally, hangers are used when room heights are more than 2743 mm (9 feet). Where tracks

must be suspended from hangers, they must be shown on the drawings and located as follows:

1. At offsets of bends of 45 degrees or more.
2. At rises in the track.
3. At 2438 mm (8 foot) maximum intervals, on straight tracks over 2438 mm (8 feet) long.
4. At the termination of a track if other than at a wall or other attachable vertical surface.

- //A. Channel Tracks (Surface Mounted Type): Extruded aluminum, ASTM B221M (B221), alloy 6063, temper T5 or T6, channel shaped, with smooth inside raceway for curtain carriers. //
- //B. Tubular Track (Suspended Type): Seamless drawn aluminum tubing, ASTM B221M (B221), alloy 6061 temper T6, 25 mm (1 inch) outside diameter, not less than 1.5 mm (0.060 inch) wall thickness, slotted for interior carriers. //
- //C. Surface mounted hookless curtain track. //
- D. Curtain Carriers: Nylon carriers, with nylon wheels on metal or nylon axles.
1. Equip each carrier with either stainless steel, chromium plated brass or steel hooks with swivel, or nickel chromium plated brass or stainless steel bead chain
  2. Hook for bead chain may be the same material and finish as the bead chain or may be chromium plated steel.
  3. Provide 2.2 carriers for every 305 mm (1 foot) of each section of each track length, plus one (1) additional carrier.
- E. End Stop Connectors, Ceiling Flanges and Other Accessories: Fabricate from the same material with the same finish as the tracks or from nylon.
- F. Hangers and Fittings: Fabricate from the same material with the same finish as the tracks. Hangers may be round or square for channel tracks and round for tubular tracks. Design fittings to be compatible with design of tracks and to safely transmit the track load to the hangers.
- G. At end of each section of track, make provision for insertion and removal of carriers. Design to prevent accidental removal of carrier. Provide operating mechanism shall be removable with common tools.

**//2.2. SHOWER CURTAIN TRACK:**

- A. Provide water/corrosion resistant aluminum surface mounted track system // and glider hooks at // 10 // // // per meter (3.28 feet). //

**//2.3 INTRAVENOUS SUPPORT ASSEMBLY:**

- A. Assembly includes track, carrier assembly, bottle holding pendant, curved track sections and curved connectors, and all components and accessories required for a working installation.
- B. Track: Surface mounted channel or "I" beam shaped, extruded aluminum. Equip track with removable section at splicing clamp for carrier removal.
1. Overall Size of Track: // // // as shown on construction documents //.
- C. Carrier Assembly: Provide assembly that includes a body made of either stainless steel or aluminum, equipped with four (4) ball bearing nylon wheels and lockstop to ensure isolation of carrier from track.
1. Equip carrier with a positive locking device to hold carrier stationary when in use.
  2. Provide with either a stainless steel or chromium plated brass hook for support of bottle holding pendant.
- D. Bottle Holding Pendant: Equip with minimum of three (3) stainless steel, chromium plated steel, or chromium plated brass arms connected to adjustable shaft of same material.
1. Provide adjustable shaft that permits bottle holding hub to adjust from full height to 1905 mm (75 inches) above finished floor.
  2. Provide shaft with a built-in locking device for vertical height adjustments.
  3. Provide locking device activated by push button or similar mechanism, and easily operated one hand control. //

**2.4 FASTENERS:**

- A. Exposed Fasteners, Screws and Bolts: Stainless steel or chromium/nickel plated brass.

SPEC WRITER NOTE: Standard material for fasteners is galvanized steel. For high moisture areas, select optional stainless steel fasteners.

- B. Concealed Fasteners, Screws and Bolts: // Hot-dip galvanized //  
// Stainless steel //.

C. Metal Clips: Anchor curtain tracks to exposed grid of lay-in acoustical tile ceilings, with concealed metal (butterfly) type or two piece snap locking type ceiling clip of high strength spring steel.

1. When it is not possible to install the metal ceiling clip, the cubicle curtain track may be screwed to the ceiling grid.

#### **2.5 FINISHES:**

- A. Aluminum: Finish numbers for aluminum specified are in accordance with AA DAF 45. AA-C22A31 finish, chemically etched medium matte with clear anodic coating, Class II Architectural, .01 mm (0.4 mils) thick.
- B. Chrome/Nickel Plating: Satin or polished finish, ASTM B546, minimum thickness of chromium plate as follows:
  1. 0.005 mm (0.2 mil) on copper alloys.
  2. 0.01 mm (0.4 mil) on steel.
- C. Stainless Steel: No. 4 in accordance with NAAMM AMP 500.
- D. Baked Enamel or Powder Coat Finish: AAMA 2603.

#### **2.6 FABRICATION:**

- A. Weld and grind smooth joints of fabricated components.
- B. Form tracks and bends of lengths that will produce the minimum number of joints. Make track sections up to 4877 mm (16 feet) without joints. Form corner bend on a 305 mm (12 inch) radius.
- C. Provide steel anchor plates, supports, and anchors for securing components to building construction.
- D. Form flat surface without distortion.
- E. Shop assemble components and package complete with anchors and fittings.

### **PART 3 - EXECUTION**

#### **3.1 INSTALLATION:**

- A. Install tracks after finish painting and ceiling finishing operations are complete.
- B. Install track level and hangers plumb and securely anchor to the ceiling // or suspend from above // to form a rigid installation.
- C. Anchor surface mounted curtain tracks directly to exposed grid of lay-in acoustical tile ceilings with suitable fasteners, spaced approximately 610 mm (24 inches) on center.
- D. Anchor surface mounted curtain tracks to concrete, plaster and gypsum board ceilings with a minimum of 3 mm (1/8-inch) diameter fastenings or concealed clips spaced not more than 914 mm (3 feet) on center.

- E. Install suspended track 2210 mm (87 inches) above the finished floor, with hangers spaced no more than 1219 mm (4 feet) on center. At ceiling line, provide flange fittings secured to hangers with set screws. Secure track to walls with flanged fittings and to hangers with special fittings.
- F. Fasten end stop caps to prevent them from being forced out by the striking weight of carriers.
- //G. Anchor surface mounted intravenous track directly to support system above ceiling. //
- H. Remove damaged or defective components and replace with new components or repair to the original condition.
- I. Install track rigid, plumb, level and true, and securely anchored to the overhead construction.
- J. Verify that carrier units operate smoothly and easily over the full range of travel.

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