

SECTION 10 21 23 - CUBICLE CURTAINS AND TRACKS

PART 1 - GENERAL

1.1 DESCRIPTION

- A. This section specifies:
 - 1. Cubicle curtain track [TA-20]
 - 2. Curtains for non-wet areas [CC-1]
 - 3. Curtains for wet areas [SC-1]

1.2 RELATED WORK

- A. Steel shapes for suspending track assembly: Section 05 50 00 - METAL FABRICATIONS and 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. One 300 mm (12 inch) long piece of cubicle curtain track with carrier access and end stop.
 - 2. One clip anchor for fastening track to grid system of acoustical ceilings.
 - 3. One curtain carrier.
 - 4. One intravenous support assembly consisting 300 mm (12 inch) long pieces of track, carrier assembly, and bottle pendant.
 - 5. 2' width x full length assembly of cubicle curtain fabric and mesh displaying side, bottom, and top seams
- C. Shop Drawings: Showing layout of tracks and method of anchorage.
- D. Manufacturer's Literature and Data:
 - 1. Cubicle curtain track.
 - 2. Cubicle curtains

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 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. American Society for Testing and Materials (ASTM):
 - 1. B221-06 Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Shapes, and Tubes.
 - 2. B456-03 Electrodeposited Coatings for Copper Plus Nickel Plus Chromium and Nickel Plus Chromium
- C. The National Association of Architectural Metal Manufacturers (NAAMM):
 - 1. AMP 500 Series Metal Finishes Manual

PART 2 - PRODUCTS

2.1 CUBICLE CURTAIN TRACKS

- A. Surface mounted :
 - 1. Channel Tracks (Surface Mounted Type): Extruded aluminum, ASTM B221, alloy 6063, temper T5 or T6, channel shaped, with smooth inside raceway for curtain carriers.
- B. Curtain Carriers: Nylon or Delrin carriers, with either nylon or Delrin wheels on metal, Delrin, or nylon axles. 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 and hook assembly, or Delrin carriers may have molded on Delrin hooks. Hook for bead chain may be the same material and finish as the bead chain or may be chromium plated steel. Provide 2.2 carriers for every 300 mm (one foot) of each section of each track length, plus one additional carrier.
- C. End Stop Connectors, Ceiling Flanges and Other Accessories: Fabricate from the same material with the same finish as the tracks or from nylon.
- D. 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.
- E. At end of each section of track, make provision for insertion and removal of carriers. Design to prevent accidental removal of carrier. Any operating mechanism shall be removable with common tools.

2.2 CUBICLE CURTAIN (Non-Wet Areas) [CC-1]

- A. Fabric: Provide cubicle curtain fabrics with the following characteristics:
 - 1. Fabrics are launderable to temperature of not less than 160 degrees F
 - 2. Fabrics are flame resistant and are identical to those that have passed NFPA 701 when tested by UL or another testing and inspecting agency acceptable to authorities having jurisdiction. Identify fabrics with appropriate markings of applicable testing and inspecting agency.
- B. Curtain Top: Durable and flame resistant Mesh not less than 20" high of No. 42 nylon or

polyester mesh made continuous with built in header and footer.

- C. Provide curtains fabricated to comply with the following requirements of a Snap System with continuous mesh and equal curtain panels.
 - 1. Width: Each Panel to be equally sized at 66" wide. When attached to mesh top, each panel should overlap the other by 5". Total Width: Equal to track length from which curtain is hung plus 10 percent added fullness, but not less than 12".
 - 2. Length: Total curtain track and carrier plus curtain and mesh to equal floor to ceiling height minus 15" clearance above finished floor.
 - 3. Top Hem: Not less than 1" and not more than 1 1/2" wide, triple thickness, reinforced with integral web and double-stitched bottom and side hems: 1" wide, reinforced, triple thickness and double stitched.
 - 4. Mesh to have Grommets: 2 piece, rolled-edge, rustproof, nickel-plated brass and spaced every 6" o.c.
 - 5. Curtains shall snap to Mesh and Snaps spaced no more than 4 1/2" apart. Furnish with snap caps in standard colors.

2.3 CUBICLE CURTAIN (Wet Areas) [SC-1]

- A. Water Stopping Shower Curtain
- B. REFERENCES: National Fire Protection Association (NFPA)
- C. Performance Requirements: Provide curtains that conform to the following requirements of regulatory agencies and quality control:
 - 1. Fire Performance Characteristics: Provide curtains that conform to NFPA701, fire test for flame and resistant textiles and films.
- D. Product Data: Manufacturer's printed product data for each type of curtain specified.
- E. Fabric Samples: Swatch cards of fabric samples illustrating fabric color and weave.
- F. Manufacturer's Care Instructions: Printed care instructions for each curtain.
- G. Provide full-size Mock-up.
- H. DELIVERY, STORAGE AND HANDLING:
 - 1. Deliver materials in unopened factory packaging to the jobsite.
 - 2. Inspect materials at delivery to assure that specified products have been received.
 - 3. Store in original packaging in a climate controlled location away from direct sunlight.
- I. PROJECT CONDITIONS: Environmental Requirements: Products must be installed in an interior climate controlled environment.
- J. Provide standard Limited Lifetime Warranty against material and manufacturing defects.
- K. Basis of Design:
 - 1. InPro Corp. PO Box 406 Muskego, WI 53150 USA Telephone: 800.222.5556, Fax: 888.715.8407, www.inprocorp.com
 - 2. Approved Equals allowed.

3. Provide all shower curtains from a single source.

L. MATERIALS:

1. Shower Curtains shall comply with ABAAG (Architectural Barrier Act Accessibility Guidelines)
2. Vinyl Material: Provide heavy duty, 13 gauge, flame retardant, anti-microbial vinyl that is water repellent, wear resistant, scrub able and colorfast.
3. Shower Curtain Vinyl: Select solid or patterned opaque material or light transmitting vinyl from manufacturer's standard selection.
4. Width: Manufacture ADA Shower Curtain of one piece, sized in width to the next increment of 6".
5. Height: Height to be from bottom of curtain hooks or rings to the floor.
6. Heading: Include 4-ounce nickel-plated grommets, 3 1/2" from each end and 6" on center for carriers. ADA Shower Curtain top hem to be triple-turned-hem over nylon tape for rugged wear.
7. Water Dam: Provide 3" mitered corner to achieve 3" dam.
8. Seams: ADA Shower Curtain is to be seamless with sanitary "no scum" side and bottom edges. Sewing thread to be triple ply twisted nylon. 6. Velcro: Provide 4" x 3" side sealing Velcro. Each side of curtain shall have three rectangles of loop Velcro sewn 1" below top hem, 2" above weight pocket and 36" above the bottom of curtain.
9. Weights: Provide curtains with 1 1/4" weight tape sewn into bottom hem. Weights per yard - 22.

M. EXAMINATION:

1. Examine areas and conditions in which privacy tracking system will be installed.
2. Complete all finishing operations, including painting, before beginning installation of privacy tracking system materials.
3. Verify that surfaces and above ceiling supports are ready to receive work.
4. Position each edge of the curtain against the wall keeping it plumb and in line with the track. Mark the location of each Velcro pad. Within the marked area, apply a continuous 1/8" x 3/16" (approx.) bead of Dow-Corning 732 Clear Sealant in the shape of a rectangle. (Illustration: show rectangular bead of adhesive that is 1/8" away from the perimeter of Velcro) Remove the release liner from the Velcro. Press the Velcro to the wall. Smooth out the Velcro by hand. Allow sealant to cure for 24 hours prior to any contact with water or engagement with mating Velcro.
5. To access the shower compartment disengage the Velcro by sliding fingers into the Velcro pocket on the curtain.
6. At completion of the installation, remove any debris and clean surfaces in accordance with clean-up and maintenance instructions.

2.4 FASTENERS

- A. Exposed Fasteners, Screws and Bolts: Stainless steel or chromium/nickel plated brass.
- B. Concealed Fasteners, Screws and Bolts: Hot-dip galvanized (except in high moisture areas use 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. 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 The Aluminum Association's Designation System. AA-C22A31 finish.
- B. Chrome/Nickel Plating: Satin or polished finish as specified, ASTM B546, minimum thickness of chromium plate as follows:
 - 1. 0.2 mil on copper alloys.
- C. Stainless Steel: No. 4 in accordance with NAAMM Metal Finishes Manual.

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 4800 mm (16 feet) without joints. Form corner bend on a 300 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 600 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 900 mm (three feet) on center.
- E. Install suspended track seven feet, three inches above the finished floor, with hangers spaced no more than four 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. Securely fasten end stop caps to prevent their being forced out by the striking weight of carriers.

- G. Anchor surface mounted intravenous track directly to support system above ceiling as shown.
- H. Remove damaged or defective components and replace with new components or repair to the original condition.
- I. Hang curtains on each curtain track.

3.2 ACCEPTANCE

- A. Track shall be installed neat, rigid, plumb, level and true, and securely anchored to the overhead construction.
- B. Carrier units shall operate smoothly and easily over the full range of travel.

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