

## **1 General**

### **1.1 SUMMARY**

- .1 Provide cubicle track, cubicle curtains and accessories including but not limited to following:
  - .1 Curtain track at exam room door.
  - .2 End stop to cover any open end of track.
  - .3 Internal splice to extend length of track.
  - .4 Stainless steel hook for curtain equipped with grommets.
  - .5 Carriers.

### **1.2 RELATED SECTIONS**

- .1 Section 01 33 00 - Submittals
- .2 Section 01 78 00 - Closeout Submittals

### **1.3 SYSTEM DESCRIPTION**

- .1 Performance Requirements:
  - .1 Curtain fabrics shall be washable to temperature of not less than 71 deg C.
  - .2 Fabric shall be meeting OBC flammability requirements and shall have passed NFPA-701 Small Scale when tested by independent testing and inspecting agency acceptable to authorities having jurisdiction.

### **1.4 SUBMITTALS**

- .1 Make submittals accordance with Section 01 33 00 - Submittal Procedures.
  - .2 Product Data:
    - .1 Submit manufacturer's literature, data sheets for each type of material provided under this Section for Project. Data sheets shall provide all required information.
    - .2 Submit required copies of detailed instructions for maintaining, preserving and keeping materials in clean and safe conditions and give adequate warning of maintenance practices or materials detrimental to specified materials.
    - .3 Submit manufacturer's installation instructions.
    - .4 Submit copies of manufacturer's detailed technical data for materials, fabrication and installation of cubicle tracks and curtains specified herein. Include catalogue cuts of fittings, anchors, fastening and accessories.
  - .3 Material Safety Data Sheets:
    - .1 Submit MSDS for inclusion in Operation and Maintenance Manual.
  - .4 Shop Drawings:
    - .1 Indicate layout, with dimensions and types of cubicles, sizes of curtains, curtain seams, hems, number of carriers, anchorage details and conditions requiring accessories.
    - .2 Locate track within room, indicating mounting details and location of all specified accessories.
    - .3 Indicate dimensions taken from field measurements.
  - .5 Samples:
    - .1 Submit following samples in sizes indicated:
      - .1 Color charts consisting of actual product pieces, demonstrating full range of available colors, for initial color selection.
      - .2 Submit duplicate samples of track, mounting components, curtain hooks and other specified accessories.
      - .3 Track minimum 300 mm long.
      - .4 Netting fabric minimum 300 mm square.
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- .5 Curtain fabric minimum 300 mm square, showing complete curtain pattern repeat, from dye lot used for work of this Section, with specified treatment applied. Mark top and face of materials.
- .6 Curtain carrier: Full size unit if requested.
- .6 Product Certificate:
  - .1 Signed by manufacturers of tracks and curtains certifying that materials furnished comply with requirements specified herein.
- .7 Closeout Submittals:
  - .1 Submit maintenance instructions in accordance with Section 01 78 00 - Closeout Submittals.
  - .2 Provide maintenance and laundry data for incorporation into Maintenance Manual.
  - .3 Ensure maintenance instructions specify warnings of any maintenance practice or materials which may damage or disfigure work of this Section.

## 1.5 QUALITY ASSURANCE

- .1 Applicator Qualifications:
  - .1 Provide work of this Section executed by competent installers with minimum of 5 years experience in application of products, systems and assemblies specified and with approval and training of the Product manufacturers.
- .2 Requirements of Regulatory Agencies:
  - .1 Cubicle curtains shall conform with the requirements of CAN 2-4.162, Hospital Textiles - Flammability Performance Requirements.

## 1.6 PRODUCT, DELIVERY, STORAGE AND HANDLING

- .1 Package cubicle curtains and label each package to indicate contents.
- .2 Deliver cubicle curtains to the site only immediately before installation.

## 1.7 PROJECT CONDITIONS

- .1 Environmental Limitations:
  - .1 Do not install cubicles until spaces are enclosed and weatherproof, wet work in space is complete and dry, work above ceilings is complete and ambient temperature and humidity conditions are maintained at levels indicated for project when occupied for its intended use.
- .2 Field Measurements:
  - .1 Where cubicles are indicated to fit to others construction, verify dimensions of other construction by field measurements before fabrication and indicate measurements on Shop Drawings.
  - .2 Coordinate fabrication schedule with construction progress to avoid delay work of this Section.
  - .3 Field measurement should account and coordinate locations of light fixtures, cabinetry and other items that may impact the number of panels, interruptions of track and other matters.

## 1.8 WASTE MANAGEMENT AND DISPOSAL

- .1 Collect and separate for disposal waste material generated by this Section.
- .2 Place in appropriate on-site bins in accordance with Waste Management Plan.
- .3 A clean worksite is mandatory at all times.

## 2 Products

### 2.1 ACCEPTABLE MATERIAL

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- .1 Products of following manufacturers are acceptable subject to conformance to requirements of Drawings, Schedules and Specifications:
  - .1 Cubicle Track Manufacturers:
    - .1 A..R. Nelson Co.; ASystem 1100/1200, [www.arnelson.com](http://www.arnelson.com)
    - .2 Cartspus Healthcare Products Ltd.; A System 9000, [www.cartspushealthcare.com](http://www.cartspushealthcare.com)
    - .3 Rite Decorative Products Ltd.; A Rite Rod System@, [www.riterod.com](http://www.riterod.com)
    - .4 Silent Gliss Canada Limited; A#6170 Cubicle Curtain/I.V. Track, [www.silentgliss.ca](http://www.silentgliss.ca).
    - .5 Forest Drapery Hardware, KS Klick System or approved equal.
  - .2 Cubicle Fabric Manufacturers:
    - .1 Architex, Inc.; [www.architex-ljh.com](http://www.architex-ljh.com)
    - .2 Maharam; [www.maharam.com](http://www.maharam.com)

## 2.2 CUBICLE TRACK MATERIALS

- .1 Cubicle Track:
  - .1 Extruded aluminum 6010 with clear satin anodized finish, oval shape with self cleaning concave glider channel.
  - .2 Minimum size 36.5 mm wide x 23.8 mm high, continuous length up to 7200 mm radius as noted on the drawings.
  - .3 Factory form curved sections to radius indicated on drawings.
  - .4 Mount at 2750mm AFF.
- .2 Mounting:
  - .1 Surface ceiling mounted track, fixed to underside of ceiling deck.
  - .2 Provide extension supports at locations where unavoidable conflicts exist with ceiling services (lights etc.).
- .3 Fasteners:
  - .1 Stainless Steel as recommended by manufacturer for substrate.
- .4 Gliders:
  - .1 Stainless Steel hook glider, 6147S.
- .5 Curtain Track:
  - .1 100%: nylon truck and wheels c/w stainless steel wire hook suspended on stainless steel chain. Minimum two (2) per 305mm of track, plus 10% for the drape.
- .6 End stops:
  - .1 Manufacturer's standard.
  - .2 Provide removable carrier gate at one end to facilitate removal carrier.
  - .3 End stop to be 50mm from wall to ensure ease of removal or a distance recommended by Manufacturer.
- .7 Connecting Bridge:
  - .1 As recommended by manufacturer.

## 2.3 CUBICLE CURTAINS

- .1 Provide cubicle curtains for all cubicle curtain track, custom made 10% wider than track length.
- .2 Cubicle curtains shall extending from underside of track to within 380 mm of floor.
- .3 Provide cubicle curtains meeting or exceeding following requirements:
  - .1 Header/Top Hem:
    - .1 Curtains shall have a matching header of fabric, 50mm wide top hem, triple width, and be double stitched to body of curtain, or to mesh.
    - .2 Pellon stiffening shall be used for reinforcement.

- .2 Side Hems:
  - .1 Curtains shall have a minimum side hem of 25mm, double width and be lock stitched.
  - .2 Provide french seams at panel seams and match the fabric pattern and weave at adjacent panels. Fabric shall not be railroaded.
  - .3 Individual panels not to exceed 1800mm.
- .3 Bottom Hem:
  - .1 Ensure hems are double 25 mm in width and double stitched.
- .4 Panel Size:
  - .1 Design layout such that all panel sizes are the same for like spaces and interchangeable.
- .5 Curtain Sizes:
  - .1 Design layout such that all curtains are the same for like spaces and are interchangeable.
- .6 Label:
  - .1 Provide a cloth label sewn into the top hem of each curtain and mark each with curtain size.
- .7 Stitching:
  - .1 Provide stitching of first quality to produce best appearance against shrinkage. Provide drapery free from creases and wrinkles.
- .8 Allowance for Stretching and Sag:
  - .1 Allow for the nature of the material being fabricated and provide for stretching and sag.
- .9 Grommets:
  - .1 Provide grommets at maximum 150 mm on centre and not further than 13 mm from each end.
- .10 Mesh:
  - .1 Provide 100% Trevira, fire resistant polyester with 13 mm openings and in approximately 400 mm lengths up to 2150 mm.
- .11 Source Quality Control:
  - .1 Supply fabric without flaws and/or defects.
  - .2 Inspect for flaws using a light source table and on an unlit flat table.
- .12 Thread:
  - .1 To be of best quality, color to match fabric.
- .4 Curtain Fabric:
  - .1 Fabric shall pass NFPA 701, Small Scale requirements. Fiber: 100% Flame Resistant Polyester.
  - .2 Lightfastness: AATCC Method 16A exceeding 60 hours. Class 5.
  - .3 VOC - Volatile Organic Compound Emission Test: Fabric shall be tested for formaldehyde emission and total Volatile Organic Compounds with nondetectable results.
  - .4 Washable in temperatures not exceeding (71 deg C).
  - .5 Provide fabric in patterns and colours to be selected by Consultant from manufacturer's full range of colors.

### 3 Execution

#### 3.1 INSTALLATION

- .1 Install readily cleanable track and accessories in accordance with manufacturer's printed instructions. Provide track fabricated from longest practical lengths.
- .2 Ensure track is secured rigidly with no fastening devices used within the channel and all

fixtures are mounted to top of profile.

- .3 Surface Track Mounting:
  - .1 Fasten surface track mounted tracks at intervals of not less than 600 mm.
  - .2 Fasten support at each splice and tangent point at each corner.
  - .3 Center fasteners in track to ensure unencumbered carrier operation.
  - .4 Attach track to ceiling as follow:
    - .1 Mechanically fasten directly to bottom of concrete deck with anchor screws;
- .4 Suspended Track Mounting:
  - .1 Install track with suspended supports to avoid conflict with ceiling fixtures and in length to permit ceiling fixtures to be removed and replaced.
  - .2 Install track with suspended supports at intervals of not more than 4200 mm.
  - .3 Fasten support at each splice and tangent point at each corner.
  - .4 Secure ends of track to wall with flanged fittings or brackets.
- .5 Track Accessories:
  - .1 Install end caps, connectors, end stops, coupling and joining sleeves and other accessories as required for secure and operational installation.
  - .2 Provide removeable carrier gate to allow guide to be removeable without removing track.
  - .3 Provide curtain carriers adequate for 150 mm spacing along full length of curtain unless indicated otherwise.
  - .4 Install curtains on tracks in appropriate locations as identified by cloth label in top hem.
- .6 Provide removable end stops to cover any open end of track with provision to insert cubicle guides.
- .7 Provide internal splices to extend length of track to hold glide surfaces in tight and proper alignment to suit design layout
- .8 Coordinate location of support framing and blocking with other trades prior to installation of track and accessories.
- .9 Account for and coordinate with locations of light fixtures, cabinetry, millwork, ceiling lifts and other items that may impact the number of panels, interruptions of track and other matters.
- .10 Install curtains on tracks in appropriate locations as identified by cloth label in top hem.
- .11 Install collapsible curtain and curtain track system in locations indicated in accordance with system manufacturer's recommendations.

### 3.2 DEMONSTRATION

- .1 Provide Owner's maintenance personnel to adjust, maintain safety loading units and on procedures and schedules for changing curtains and maintaining cubicles.

### 3.3 PROTECTION

- .1 Protect installed track to prevent debris from ceiling finishes operations from impending carrier operation.

END OF SECTION

## **1 General**

### **1.1 SECTION INCLUDES**

- .1 Materials and installation for demountable partitions of metal studs system.

### **1.2 RELATED SECTIONS**

- .1 Section 01 33 00 - Submittal Procedures.
- .2 Section 01 45 00 - Quality Control.
- .3 Section 09 91 00 - Painting.

### **1.3 REFERENCES**

- .1 Aluminum Association (AA)
  - .1 AA DAF45-R03, Designation System for Aluminum Finishes, 9th Edition.
- .2 American Society for Testing and Materials International, (ASTM)
  - .1 ASTM A 653/A 653M-02a, Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.
  - .2 ASTM C 36/C 36M-01, Standard Specification for Gypsum Wallboard.
  - .3 ASTM C 645-00, Standard Specification for Nonstructural Steel Framing Members.
  - .4 ASTM C 960/C 960M-01, Standard Specification for Predecorated Gypsum Board.
  - .5 ASTM E 90-02, Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements.
- .3 Canadian General Standards Board (CGSB)
  - .1 CAN/CGSB-1.81-M90, Air Drying and Baking Alkyd Primer for Vehicles and Equipment.
  - .2 CAN/CGSB-1.88-92, Gloss Alkyd Enamel, Air Drying and Baking.
  - .3 CAN/CGSB-1.104-M91, Semigloss Alkyd Air Drying and Baking Enamel.
- .4 Underwriters Laboratories of Canada (ULC)
  - .1 CAN/ULC-S102-1988(R2000), Surface Burning Characteristics of Building Materials and Assemblies.
- .5 The Master Painters Institute (MPI)
  - .1 Architectural Painting Specification Manual - March 1998 (R2002).
- .6 United Nations Environment Programme (UNEP)/UNEP World Conservation Monitoring Centre (WCMC) - 2000.
  - .1 Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES) - 1973-(A1979).

### **1.4 SYSTEM DESCRIPTION**

- .1 Basic system is existing on site and is provided by Starwall (1-418-696-1000) Contractors are to dis-assemble partitions noted and re-assemble in new location. Unused elements (left over) are to be packed carefully and stored as directed by Departmental Representative.

### **1.5 DESIGN REQUIREMENTS**

- .1 Partition assembly is non-combustible construction, fully demountable and relocatable, progressive, extend in four directions without disturbing other panels, accommodate floor/ceiling height variations of 25 mm.
  - .2 Components to be distortion free, uniform in dimension, construction and appearance, made to suit specific function and to have been proven in use.
  - .3 Minimum sound transmission rating of installed panel partition to be STC43, tested to ASTM E 90.
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- .4 Partition system to accommodate electrical, telephone, wiring and outlets as noted.

## 2 Products

### 2.1 MATERIALS

- .1 Stud type demountable partition.
  - .1 Existing material: Starwall 'Classic' Series.
- .2 Acoustical insulation and sealant: type recommended by partition manufacturer to achieve STC rating specified.
- .3 Sound/light seal: self adhesive closed cell, inorganic, permanently elastic, sponge type stripping, 12 x 12 mm size, black.
- .4 Glass and glazing materials:
  - .1 Glass: Existing re-used.
  - .2 Glazing material: furnish neoprene glazing gaskets for setting glass as necessary.
- .5 Aluminum extrusions: Aluminum Association alloy AA 6063-T5.
- .6 Galvanized steel sheet: furniture grade to ASTM A 653/A 653M with Z275 zinc coating.
- .7 Reuse existing starwall where possible.

### 2.2 COMPONENTS

- .1 Glazing frames: Existing re-used.
- .2 Door frames: Existing re-used.

## 3 Execution

### 3.1 ERECTION

- .1 Install partition after floor finishes, in accordance with manufacturer's instructions.
- .2 Fasten runners to floors, ceiling and abutting vertical surfaces at 600 mm on centre.
  - .1 At ceilings use fasteners that rigidly support partition without damaging or defacing ceiling panels or grid system members.
  - .2 Ceiling anchors must not penetrate more than 25mm into the concrete ceiling. Power actuated anchors are only to be used on written approval of the Departmental Representative.
- .3 Erect partitions, plumb, square and level.
  - .1 Accurately fit and fasten to abutting surfaces.
  - .2 Shim under partitions at uneven floors to ensure level installation.
- .4 Brace studs at 1200 mm on centre horizontally.
- .5 Install continuous light/sound seal at junction of ceiling height partitions with floors, ceilings and vertical surfaces.
- .6 Install acoustical insulation and sealant in sound rated partitions to correspond with tested assembly.
- .7 Install panels in accordance with manufacturer's printed instructions. Apply panels full height floor to ceiling.
- .8 Cover panel joints with one piece, full height battens Butt panels together to moderate contact.
- .9 Install sealant in accordance with manufacturer's specifications.
- .10 Install glass in accordance with manufacturer's specifications.

### 3.2 DISASSEMBLY

- .1 Walls to be disassembled as per 'Starwall' manufacturer's printed instructions.
- .2 Demounted wall system to be properly handled, stored, and transported to new specified location (as noted on the drawings).

END OF SECTION

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