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USACE / NAVFAC / AFCEA UFGS-10191 (August 2004)  
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Preparing Activity: NAVFAC Superseding  
UFGS-10191N (August 2001)

UNIFIED FACILITIES GUIDE SPECIFICATIONS

References are in agreement with UMRL dated 22 December 2004

Latest change indicated by CHG tags

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### SECTION 10191

#### CUBICLE TRACK AND HARDWARE 08/04

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NOTE: This guide specification covers the requirements for the provision and installation of hospital cubicle tracks.

Comments and suggestions on this guide specification are welcome and should be directed to the technical proponent of the specification. A listing of technical proponents, including their organization designation and telephone number, is on the Internet.

Recommended changes to a UFGS should be submitted as a Criteria Change Request (CCR).

Use of electronic communication is encouraged.

Brackets are used in the text to indicate designer choices or locations where text must be supplied by the designer.

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NOTE: Cubicle tracks may be mounted directly to ceiling or suspended from hangers. Hanger option should be chosen when ceiling heights are over 2700 mm 9 feet to reduce curtain length. Use I-beam section where accumulation of dirt on track (which would impede carrier movement) would be a problem.

On the drawings, show:

1. Ceiling height
2. Anchorage system
3. Anchorage spacing and locations
4. If both heavy and light duty tracks are used, indicate locations of each.

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## PART 1 GENERAL

### 1.1 REFERENCES

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NOTE: Issue (date) of references included in project specifications need not be more current than provided by the latest guide specification. Use of SpecsIntact automated reference checking is recommended for projects based on older guide specifications.  
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The publications listed below form a part of this specification to the extent referenced. The publications are referred to within the text by the basic designation only.

#### ALUMINUM ASSOCIATION (AA)

AA DAF-45 (2003) Designation System for Aluminum Finishes

#### ASTM INTERNATIONAL (ASTM)

ASTM B 221 (2004a) Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes

ASTM B 221M (2004) Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric)

ASTM B 456 (2003) Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium

### 1.2 SUBMITTALS

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NOTE: Submittals must be limited to those necessary for adequate quality control. The importance of an item in the project should be one of the primary factors in determining if a submittal for the item should be required.

A "G" following a submittal item indicates that the submittal requires Government approval. Some submittals are already marked with a "G". Only delete an existing "G" if the submittal item is not complex and can be reviewed through the Contractor's Quality Control system. Only add a "G" if the submittal is sufficiently important or complex in context of the project.

For submittals requiring Government approval on Army projects, a code of up to three characters within the submittal tags may be used following the "G" designation to indicate the approving authority.

Codes for Army projects using the Resident Management System (RMS) are: "AE" for Architect-Engineer; "DO" for District Office (Engineering Division or other organization in the District Office); "AO" for Area Office; "RO" for Resident Office; and "PO" for Project Office. Codes following the "G" typically are not used for Navy projects.

Submittal items not designated with a "G" are considered as being for information only for Army projects and for Contractor Quality Control approval for Navy projects.

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Government approval is required for submittals with a "G" designation; submittals not having a "G" designation are [for Contractor Quality Control approval.] [for information only. When used, a designation following the "G" designation identifies the office that will review the submittal for the Government.] The following shall be submitted in accordance with Section 01330 SUBMITTAL PROCEDURES:

SD-02 Shop Drawings

Cubicle track layout

SD-08 Manufacturer's Instructions

Cubicle track installation

SD-10 Operation and Maintenance Data

Cubicle track system, Data Package 1; G, [\_\_\_\_\_]

Submit in accordance with Section 01781 OPERATION AND MAINTENANCE DATA.

### 1.3 DRAWING REQUIREMENTS

Submit cubicle track layout drawings. Include [ceiling, surface-mounted installation details], [suspended track installation details] [, and] [overlay drawing showing other trades installation within area].

### 1.4 DELIVERY AND STORAGE

Deliver cubicle tracks to site in unopened containers clearly labeled with manufacturer's name and contents. Store in safe, dry, and clean location. Do not open containers until contents are to be installed.

### 1.5 QUALITY CONTROL

Allow smooth, rapid, and complete screening with no gaps at corners or ends of track. The track of a standard 2400 by 2400 mm 8 by 8 foot cubicle shall have no joints. Form corner bends in a single continuous piece on a 300 mm 12 inch radius to exactly 90 degrees. Other track lengths to 4800 mm 16 feet shall have no joints.

## PART 2 PRODUCTS

### 2.1 CUBICLE TRACK SYSTEM

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NOTE: Heavy duty track can be mounted either on  
ceilings directly or from hangers. The hanger  
option should be chosen when ceiling heights are over  
2700 mm 9 feet to reduce curtain length.  
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Heavy-duty type, [ceiling surface mounted] [hanger mounted]. Bends shall  
be minimum 450 mm 18 inches radius.

#### 2.1.1 Extruded Aluminum Tracks

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NOTE: Use I-beam section where accumulation of dirt  
on track (which would impede carrier movement) would  
be a problem. I-beam types of track generally use  
the one piece.  
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ASTM B 221MASTM B 221 and ASTM B 456; alloy 6063-TS, channel shape minimum  
32 mm wide by 29 mm deep, 1 1/4 inch wide by 1 1/8 inch deep, 1.25 mm 0.050  
inch minimum wall thickness. Inside raceway to be smooth for interior  
carriers and must be able to receive a double coated wheel carrier with  
hook. Finish as designated for aluminum finishes in AA DAF-45.

### 2.2 CARRIER UNIT

Silent type with double canted wheel carrier. Wheels shall have nylon on  
stainless steel [chrome plated brass] [chromium plated steel] hooks with  
swivel to support the curtain. Carriers shall be removable only through  
access aperture or through end-cap that provides room for insertion or  
removal of carrier. Provide 2.2 carriers for every 300 mm foot of track  
length, plus one additional carrier. Provide a safety loading unit at one  
end of the channel track consisting of a section of channel track equipped  
with a hinge and end latch to permit lowering for installation of or  
removal of curtains from hooks without the use of a step-ladder and without  
removing carriers from track. Rivet moveable end of safety loading unit to  
be riveted to the hinge. Latching end of safety loading unit with a double  
locking fail-proof locking device for safety. Safety loading unit to be  
1200 mm four feet in length of an 2400 mm 8 foot ceiling installation so  
latch end lowers to 1200 mm four feet from floor, for installation or  
removal of curtain without the use of a step-ladder. Increase length of  
safety loading unit to be increased according to ceiling height. Provide a  
key wand for every 20 units.

### 2.3 END STOP AND PULL-OUT

Fabricate from aluminum or nylon with an anodized finish matching the track  
finish.

### 2.4 FASTENERS

Stainless steel.

## 2.5 FINISH

Satin, clear anodized.

## PART 3 EXECUTION

### 3.1 INSTALLATION

Verify dimensions prior to installation. Install cubicle track after painting and finishing operations are complete. Provide labor and all materials indicated, specified or necessary for a complete finished installation. Install track plumb, level and true, and securely anchored to the ceiling to form a neat, rigid installation. Remove damaged or defective components and replace with new components.

#### 3.1.1 Installation Details

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NOTE: The types of ceilings to which the cubicle tracks or hangers will be fastened will differ. Therefore, in addition to showing the location of cubicle tracks on the drawings, the type of fastener or fasteners permitted for securing the tracks or hangers to the particular ceiling type for this project must be shown.

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NOTE: Generally, use hangers when room heights are 2700 mm 9 feet or more. Where hangers are used, indicate them on the drawings. Locate them:

1. At offsets or bends of 45 degrees or more.
2. At rises in track.
3. At 900 mm 3 feet on center, maximum, on straight cubicle tracks over 2400 mm 8 feet long.
4. At termination of track if not at wall or other attachable vertical surface.

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Install heavy-duty cubicle tracks [ceiling surface mounted] [suspended from hangers]. Install cubicle tracks where indicated. Install carrier units at 150 mm 6 inches on center maximum. Install end cap at each end of the track and pull-out at the end where curtains are stacked to permit insertion and removal of carrier units. Securely fasten end stops to prevent their being forced out by striking weight of carrier units.

-- End of Section --