Preparing Activity: NAVFAC Replacing without change
UFGS-10191 (August 2004)

UNIFIED FACILITIES GUIDE SPECIFICATIONS

References are in agreement with UMRL dated July 2023
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USACE / NAVFAC / AFCEC / NASA	**UFGS-10 21 23.16 (April 2006)**

Preparing Activity: NAVFAC	**Replacing without change UFGS-10191 (August 2004)**

UNIFIED FACILITIES GUIDE SPECIFICATIONS

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SECTION 10 21 23.16

CUBICLE TRACK AND HARDWARE
04/06

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

Adhere to UFC 1-300-02 Unified Facilities Guide Specifications (UFGS) Format Standard when editing this guide specification or preparing new project specification sections. Edit this guide specification for project specific requirements by adding, deleting, or revising text. For bracketed items, choose applicable item(s) or insert appropriate information.

Remove information and requirements not required in respective project, whether or not brackets are present.

Comments, suggestions and recommended changes for this guide specification are welcome and should be submitted as a Criteria Change Request (CCR).
****

****
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.
****

PART 1 GENERAL

1.1 REFERENCES

****
NOTE: This paragraph is used to list the publications cited in the text of the guide specification. The publications are referred to in the text by basic designation only and listed in this paragraph by organization, designation, date, and title.

Use the Reference Wizard's Check Reference feature when you add a Reference Identifier (RID) outside of the Section's Reference Article to automatically place the reference in the Reference Article. Also use the Reference Wizard's Check Reference feature to update the issue dates.

References not used in the text will automatically be deleted from this section of the project specification when you choose to reconcile references in the publish print process.
****

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 DAF45	(2003; Reaffirmed 2009) Designation System for Aluminum Finishes

ASTM INTERNATIONAL (ASTM)

ASTM B221	(2021) Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes
ASTM B221M	(2021) Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric)
ASTM B456	(2017; R 2022) Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium

1.2 SUBMITTALS

****
NOTE: Review Submittal Description (SD) definitions in Section 01 33 00 SUBMITTAL PROCEDURES and edit the following list, and corresponding submittal items in the text, to reflect only the submittals

required for the project. The Guide Specification technical editors have classified those items that require Government approval, due to their complexity or criticality, with a "G". Generally, other submittal items can be reviewed by the Contractor's Quality Control System. Only add a "G" to an item if the submittal is sufficiently important or complex in context of the project.

For Army projects, fill in the empty brackets following the "G" classification, with a code of up to three characters 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, Air Force, and NASA projects.

The "S" classification indicates submittals required as proof of compliance for sustainability Guiding Principles Validation or Third Party Certification and as described in Section 01 33 00 SUBMITTAL PROCEDURES.

Choose the first bracketed item for Navy, Air Force, and NASA projects, or choose the second bracketed item for Army projects.

****

Government approval is required for submittals with a "G" or "S" classification. Submittals not having a "G" or "S" classification are [for Contractor Quality Control approval.][for information only. When used, a code following the "G" classification identifies the office that will review the submittal for the Government.] Submit the following in accordance with Section 01 33 00 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 01 78 23 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

****
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.
****

Heavy-duty type,[ceiling surface mounted][hanger mounted]. Bends shall be minimum 450 mm 18 inches radius.

2.1.1 Extruded Aluminum Tracks

****
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.
****

ASTM B221M ASTM B221 and ASTM B456; 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 DAF45.

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

****
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.
****

****
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.
****

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 --