

\*\*\*\*\*  
USACE / NAVFAC / AFCEA UFGS-10505 (August 2004)  
-----  
Preparing Activity: NAVFAC Superseding  
UFGS-10505N (September 1999)

## UNIFIED FACILITIES GUIDE SPECIFICATIONS

References are in agreement with UMLR dated 22 December 2004

\*\*\*\*\*

### SECTION TABLE OF CONTENTS

#### DIVISION 10 - SPECIALTIES

#### SECTION 10505

#### STEEL CLOTHING LOCKERS

08/04

#### PART 1 GENERAL

- 1.1 REFERENCES
- 1.2 SUBMITTALS
- 1.3 DELIVERY, HANDLING, AND STORAGE
- 1.4 FIELD MEASUREMENTS
- 1.5 QUALITY ASSURANCE
  - 1.5.1 Color Chips

#### PART 2 PRODUCTS

- 2.1 TYPES
- 2.2 MATERIAL
  - 2.2.1 [Galvanized] Steel Sheet
  - 2.2.2 Chromium Coating
  - 2.2.3 Finish
    - 2.2.3.1 Color
- 2.3 COMPONENTS
  - 2.3.1 Built-In Locks
  - 2.3.2 Coat Hooks
  - 2.3.3 Hanger Rods
  - 2.3.4 Door Handles
  - 2.3.5 Doors
    - 2.3.5.1 Hinges
    - 2.3.5.2 Latching Mechanisms
  - 2.3.6 Latch Strikes
  - 2.3.7 Silencers
  - 2.3.8 Back and Side Panels, Tops, and Bottoms
  - 2.3.9 Shelves
  - 2.3.10 Base Panels
  - 2.3.11 Legs
  - 2.3.12 Number Plates
  - 2.3.13 Label Holders
  - 2.3.14 Fastening Devices

#### PART 3 EXECUTION

- 3.1 ASSEMBLY AND INSTALLATION
- 3.2 NUMBERING SYSTEM
- 3.3 FIELD QUALITY CONTROL
  - 3.3.1 Testing
  - 3.3.2 Repairing
  - 3.3.3 Cleaning

-- End of Section Table of Contents --

\*\*\*\*\*  
USACE / NAVFAC / AFCEA UFGS-10505 (August 2004)  
-----  
Preparing Activity: NAVFAC Superseding  
UFGS-10505N (September 1999)

## UNIFIED FACILITIES GUIDE SPECIFICATIONS

References are in agreement with UMRL dated 22 December 2004

\*\*\*\*\*

### SECTION 10505

#### STEEL CLOTHING LOCKERS

08/04

\*\*\*\*\*

NOTE: This guide specification covers the requirements for permanently installed metal lockers used for temporary storage and security of personal belongings.

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.

\*\*\*\*\*

\*\*\*\*\*

NOTE: Show the following information on the drawings:

1. Location, size, quantity, and color of lockers
2. Mounting details and whether legs or base panels are required.

\*\*\*\*\*

## PART 1 GENERAL

### 1.1 REFERENCES

\*\*\*\*\*

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.**

\*\*\*\*\*

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.

ASTM INTERNATIONAL (ASTM)

ASTM A 366/A 366M	(1997e1) Commercial Steel, Sheet, Carbon, (0.15 Maximum Percent Cold-Rolled**
ASTM A 569/A 569M	(1998) Steel, Carbon (0.15 Maximum Percent), Hot-Rolled Sheet and Strip, Commercial
ASTM A 653/A 653M	(2004a) Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
ASTM B 456	(2003) Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium
ASTM D 2092	(1995; R 2001e1) Preparation of Zinc-Coated (Galvanized) Steel Surfaces for Painting

U.S. DEPARTMENT OF DEFENSE (DOD)

MIL-C-22750	(Rev F) Coating, Epoxy, High Solids
MIL-P-23377	(Rev H) Primer Coatings: Epoxy, High Solids

U.S. GENERAL SERVICES ADMINISTRATION (GSA)

FS AA-L-00486	(Rev J) Lockers, Clothing, Steel
---------------	----------------------------------

1.2 SUBMITTALS

\*\*\*\*\*

**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.

\*\*\*\*\*

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

Types; G, [\_\_\_\_\_]

Location; G, [\_\_\_\_\_]

Installation

[ Numbering system]

SD-03 Product Data

Material

Finish

Locker components

Assembly instructions

SD-04 Samples

Color chips; G, [\_\_\_\_\_]

1.3 DELIVERY, HANDLING, AND STORAGE

Deliver lockers and associated materials in their original packages, containers, or bundles bearing the manufacturer's name and the name of the material. Protect from weather, soil, and damage during delivery, storage, and construction.

1.4 FIELD MEASUREMENTS

To ensure proper fits, make field measurements prior to the preparation of drawings and fabrication.

## 1.5 QUALITY ASSURANCE

### 1.5.1 Color Chips

Provide a minimum of three color chips, not less than 75 mm 3 inches square, of each color [scheduled] [indicated].

## PART 2 PRODUCTS

### 2.1 TYPES

\*\*\*\*\*  
NOTE: Style 1 is "single unit" and Style 2 is "sectional groups." FS AA-L-00486 limits the number of lockers in a group to 10 for Type I and to 20 for Type II. Unless specified otherwise, lockers are provided "knocked down" for final assembly at the site. If "set-up" is justified, include the last bracketed sentence.  
\*\*\*\*\*

FS AA-L-00486. Provide [Type I, single-tier] [and] [Type II, double-tier], Style [1] [2] lockers in the location, quantities and size[s] indicated. Provide locker finish color[s] [as indicated] [as scheduled]. [Provide lockers "set-up" (pre-assembled).]

### 2.2 MATERIAL

#### 2.2.1 [Galvanized] Steel Sheet

\*\*\*\*\*  
NOTE: Choose one of the following options.  
\*\*\*\*\*  
\*\*\*\*\*  
NOTE: Delete the word "Galvanized" in paragraph title and choose the first optional paragraph for normal applications where moisture is not a problem.  
\*\*\*\*\*

[ASTM A 366/A 366M or ASTM A 569/A 569M, commercial quality, minimized spangle material. Prepare material surfaces for baked enamel finishing in accordance with FS AA-L-00486. Minimum uncoated sheet thickness [as specified] [\_\_\_\_].]

\*\*\*\*\*  
NOTE: Include the word "Galvanized" in the paragraph title and choose this option for lockers located in high moisture areas such as shower rooms.  
\*\*\*\*\*

[ASTM A 653/A 653M, commercial quality, minimized spangle, galvanized steel sheet with not less than Z275 G60 zinc coating. Prepare surface of sheet for painting in accordance with ASTM D 2092, Method A. Minimum uncoated sheet thickness [as specified] [\_\_\_\_].]

#### 2.2.2 Chromium Coating

Nickel and chromium electrodeposited on the specified base metal. Conform

to ASTM B 456, SC-3, as applicable to the base metal.

### 2.2.3 Finish

\*\*\*\*\*  
NOTE: Standard finish in FS AA-L-00486 is gray,  
baked enamel. Use the first paragraph when baked  
enamel finish is required. Use the second paragraph  
for epoxy-based primer and topcoat coatings.  
\*\*\*\*\*

[FS AA-L-00486.]

[Primer, [MIL-P-23377] [\_\_\_\_]; topcoat, [MIL-C-22750] [\_\_\_\_].]

#### 2.2.3.1 Color

As selected.

### 2.3 COMPONENTS

\*\*\*\*\*  
NOTE: Delete items from the following paragraphs  
that are not required on the project.  
\*\*\*\*\*

#### 2.3.1 Built-In Locks

\*\*\*\*\*  
NOTE: FS AA-L-00486 includes built-in locks as  
standard items. It includes built-in key locks and  
built-in combination locks. It also includes a  
padlock eye in the door latching mechanism. If  
built-in locks are required, use the first paragraph  
and delete the second.  
\*\*\*\*\*

[FS AA-L-00486. Provide [built-in key locks] [built-in combination locks]  
[and] [a padlock eye in the door latching mechanism].]

\*\*\*\*\*  
NOTE: If built-in locks are not required, use the  
following and delete the above.  
\*\*\*\*\*

[Built-in locks are not required.]

#### 2.3.2 Coat Hooks

FS AA-L-00486, [chromium] [zinc] plated.

#### [2.3.3 Hanger Rods

FS AA-L-00486.

#### ]2.3.4 Door Handles

\*\*\*\*\*  
NOTE: FS AA-L-00486 allows aluminum alloy, zinc  
\*\*\*\*\*

alloy or steel handles. Aluminum handles are required to have satin anodized finish. Zinc alloy and steel handles are required to have chromium or nickel plated finish.

\*\*\*\*\*

FS AA-L-00486. [Provide zinc alloy or steel handles with a chromium coating.]

#### 2.3.5 Doors

FS AA-L-00486, not less than 1.5 mm 0.0598 inch thick steel sheet.

##### 2.3.5.1 Hinges

In addition to the requirements of FS AA-L-00486, provide 5-knuckle hinges, minimum 50 mm 2 inches high. Fabricate knuckle hinges from not less than 2 mm 0.0747 inch thick steel sheet. [A full height piano hinge may be provided if standard with the manufacturer.] Weld or bolt hinges to the door frame. Weld, bolt, or rivet hinges to the door.

##### 2.3.5.2 Latching Mechanisms

FS AA-L-00486.

##### 2.3.6 Latch Strikes

FS AA-L-00486. Fabricate from not less than 2 mm 0.0747 inch thick steel sheet, except latch strike may be continuous from top to bottom and fabricated as part of the door framing.

##### 2.3.7 Silencers

FS AA-L-00486.

##### 2.3.8 Back and Side Panels, Tops, and Bottoms

FS AA-L-00486, not less than 1.2 mm 0.0474 inch thick steel sheet.

##### 2.3.9 Shelves

FS AA-L-00486. Fabricate from not less than 1.5 mm 0.0598 inch thick steel sheet.

##### [2.3.10 Base Panels

\*\*\*\*\*

NOTE: Base panels must be specified if required.

If none are required, delete this paragraph.

\*\*\*\*\*

FS AA-L-00486.

##### ]2.3.11 Legs

\*\*\*\*\*

NOTE: FS AA-L-00486 normally includes legs unless specified otherwise.

\*\*\*\*\*



[FS AA-L-00486.] [Provide lockers without legs, as indicated.]

#### 2.3.12 Number Plates

\*\*\*\*\*  
NOTE: Choose one of the following.  
\*\*\*\*\*

\*\*\*\*\*  
NOTE: Requirements for number plates are included  
in FS AA-L-00486. Select material requirement and  
range of numbers.  
\*\*\*\*\*

[FS AA-L-00486. [Aluminum] [Brass] [Zinc]. Provide consecutive numbers  
from [\_\_\_\_\_] to [\_\_\_\_\_.]

\*\*\*\*\*  
NOTE: If number plates are not required, use this  
paragraph and delete the above.  
\*\*\*\*\*

[Number plates are not required.]

#### [2.3.13 Label Holders

\*\*\*\*\*  
NOTE: Include if label holders are required.  
Otherwise, delete.  
\*\*\*\*\*

FS AA-L-00486.

#### ]2.3.14 Fastening Devices

Provide bolts, nuts, and rivets as specified in FS AA-L-00486.

### PART 3 EXECUTION

#### 3.1 ASSEMBLY AND INSTALLATION

Assemble lockers according to the locker manufacturer's instructions.  
Align lockers horizontally and vertically. Secure lockers to wall [and  
base] with screws as indicated. Bolt adjacent lockers together. Adjust  
doors to operate freely without sticking or binding and to ensure they  
close tightly.

#### [3.2 NUMBERING SYSTEM

\*\*\*\*\*  
NOTE: If lockers require number plates, identify  
the system of numbering. Otherwise, delete this  
paragraph.  
\*\*\*\*\*

Install number plates on lockers consecutively [with odd numbers on top and  
even numbers on bottom] [as indicated] [\_\_\_\_].

### ]3.3 FIELD QUALITY CONTROL

#### 3.3.1 Testing

Government may request performance-characteristic tests on assembled lockers in accordance with FS AA-L-00486. Lockers not conforming will be rejected.

#### 3.3.2 Repairing

Remove and replace damaged and unacceptable portions of completed work with new.

#### 3.3.3 Cleaning

Clean surfaces of the work, and adjacent surfaces soiled as a result of the work, in an approved manner. Remove equipment, surplus materials, and rubbish from the site.

-- End of Section --