
USACE / NAVFAC / AFCEC UFGS-08 34 59 (August 2025)

Preparing Activity: USACE

Superseding
UFGS-08 34 59 (August 2008)

UNIFIED FACILITIES GUIDE SPECIFICATIONS

References are in agreement with UMRL dated July 2025

SECTION TABLE OF CONTENTS

DIVISION 08 - OPENINGS

SECTION 08 34 59

VAULT DOORS AND DAY GATES

08/25

PART 1 GENERAL

- 1.1 REFERENCES
- 1.2 SYSTEM DESCRIPTION
- 1.3 SUBMITTALS
- 1.4 QUALITY ASSURANCE
 - 1.4.1 Installer Qualifications
- 1.5 FIELD CONDITIONS
- 1.6 DELIVERY, STORAGE, AND HANDLING

PART 2 PRODUCTS

- 2.1 VAULT DOOR UNITS
 - 2.1.1 Fire-Resistance Rated Vault Door Assemblies
 - 2.1.1.1 Fire-Resistance Rating
 - 2.1.2 MIL-STD-1691 JSN Data Sheets
- 2.2 DAY GATES
- 2.3 FINISH

PART 3 EXECUTION

- 3.1 PREPARATION
- 3.2 INSTALLATION
- 3.3 ADJUSTING AND CLEANING

-- End of Section Table of Contents --

USACE / NAVFAC / AFCEC

UFGS-08 34 59 (August 2025)

Preparing Activity: USACE

Superseding

UFGS-08 34 59 (August 2008)

UNIFIED FACILITIES GUIDE SPECIFICATIONS

References are in agreement with UMRL dated July 2025

SECTION 08 34 59

VAULT DOORS AND DAY GATES

08/25

NOTE: This guide specification covers the requirements for vault door units meeting the protective storage criteria for arms and classified materials.

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 \(CCR\)](#).

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 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 are automatically 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.

NATIONAL FIRE PROTECTION ASSOCIATION (NFPA)

NFPA 232 (2022) Standard for the Protection of Records

U.S. DEPARTMENT OF DEFENSE (DOD)

MIL-STD-1691 (1994; Rev F; Notice 1 2024) Construction and Material Schedule for Military Medical and Dental Facilities

U.S. GENERAL SERVICES ADMINISTRATION (GSA)

FS AA-D-600 (Rev D, Am 1; Am 4) Door, Vault, Security

UL SOLUTIONS (UL)

UL 155 (2000; Reprint Feb 2024) UL Standard for Safety Tests for Fire Resistance of Vault and File Room Doors

1.2 SYSTEM DESCRIPTION

Furnish vault doors units [and day gates] of the type, size and design indicated on the drawings. Provide the standard product of a manufacturer regularly engaged in the production of vault doors. [and day gates.] Provide each door with permanent label showing the manufacturer's name and address and the model number of the door.

1.3 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 and Air Force 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.

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. Submittals not having a "G" or "S" classification are 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

Vault Door Units; G, [_____]

Day Gates; G, [_____]

SD-03 Product Data

Vault Door And Frame

Day Gates; G, [_____]

Installation

SD-04 Samples

Vault Door Units; G, [_____]

Day Gates; G, [_____]

SD-07 Certificates

Vault Door Units; G, [_____]

Installer Qualifications

SD-10 Operation and Maintenance Data

Vault Door Units, Data Package 2; G, [_____]

Day Gates, Data Package 1; G, [_____]

1.4 QUALITY ASSURANCE

1.4.1 Installer Qualifications

Installer who is trained and approved by the manufacturer for installation of vault door units[and day gates] required for this project.

1.5 FIELD CONDITIONS

Do not deliver or install vault door units until spaces are enclosed and weathertight, and[temporary] HVAC system is operating and maintaining ambient temperature and humidity conditions at levels required by the manufacturer.

1.6 DELIVERY, STORAGE, AND HANDLING

Deliver vault door and frame units[and day gates] to the Project Site in a protective covering with the brand name clearly marked thereon. Store in a dry location with adequate ventilation, free from dust, water, and other contaminants, and in a manner that permits access for inspection and handling. Handle doors carefully to prevent damage to the faces, edges and ends. Replace damaged items that cannot be restored to like-new condition.

PART 2 PRODUCTS

2.1 VAULT DOOR UNITS

NOTE: Select the appropriate Type and Style designation for the door, and delete inapplicable portions. FS AA-D-600 covers the following classes of security vault doors: Class 5-V: Vault door resistant to 20 man-hours surreptitious entry, 30 man-minutes covert entry, and 10 man-minutes forced entry.

Electro-mechanical lock. Primarily used for storage of classified information. Class 5-A: Armory door resistant to 30 man-minutes covert entry and 10-man minutes forced entry. Mechanical lock. Primarily used for storage of arms. Class 5-B: Ballistic door resistant to 20 man-hours surreptitious entry, 30 man-minutes covert entry, and 10 man-minutes forced entry. Electro-mechanical lock. Similar to class 5-V but is ballistic resistant.

Type: Select the appropriate door type or types, and delete those not applicable. "Right opening swing" means hinges to the right when viewed from outside the vault. Specify the optical device only when requested by the Using Agency.

Style: Specify Style K unless Style H is requested by the Using Agency.

Design: Design S - single lock. Design B - No exterior hardware. Design S, the default value, is more available. If B is a customer requirement,

check availability with manufacturers on the QPL.

APPROVAL OF AN EXCEPTION TO APPLICABLE SECURITY REQUIREMENTS MUST BE OBTAINED BY THE USING ACTIVITY THROUGH THEIR OPERATIONAL CHAIN OF COMMAND FOR PROVISION AND INSTALLATION OF ANY AND ALL SECURITY VAULT DOORS WITHOUT A GSA-APPROVED LABEL. The GSA labeled vault door is a single-leaf door, and provides a clear opening of 1015 mm 40 inches wide and 1980 mm 78 inches high. A double-leaf vault door is available with a clear opening of 2080 mm 82 inches wide and 1980 mm 78 inches high. Obtain both single-leaf and double-leaf vault doors to satisfy special size requirements. The double-leaf and special size units are built to Class 5 standards, but are not tested and labeled by GSA. When custom size doors are required, verify availability with door manufacturers, and verify the acceptability of unlabeled doors with the Using Agency.

Design and construct the vault door units in conformance with FS AA-D-600. Provide a door which is Class [5-V - vault door resistant to 20 man-hours surreptitious entry, 30 man-hours covert entry, and 10 man-minutes forced entry,] [5-A - armory door resistant to 30 man-minutes covert entry and 10 man-minutes forced entry,] [5-B - ballistic door resistant to 20 man-hours surreptitious entry, 30 man-minutes covert entry and 10 man-minutes forced entry,] ballistic resistant, Type [IR - right opening swing with optical device] [IL - left opening swing with optical device] [IIR - right opening swing without optical device] [IIL - left opening swing without optical device] [IIIR - double leaf, active right opening swing] [IIIL - double leaf, active left opening swing], Style [H - hand change combination lock] [K - key change combination lock], Design [S - single lock][B - no exterior hardware]. [The optical device must permit observation from the [inside to the outside][outside to the inside] of the vault.] Provide electro-mechanical or mechanical locks as required by specified Class. Provide an escape device that permits release from inside the vault without tools or special instructions to operate.

Submit drawings showing elevations of each vault door type[and day gate type], including dimensions, clearances, details of construction and anchorage, items with integral anchors that are to be embedded in supporting construction, profiles and thicknesses of materials, details of joints and connections, and details of fittings. Include locations of locking devices, escape mechanism and accessories. Include a schedule showing the location of each vault door unit[and day gate]. Submit manufacturer's descriptive product data for each vault door type[and day gate type]. Include finishes[fire-rating capacities,] and locking characteristics. Submit manufacturer's standard sized samples for verification of each exposed factory-applied finish to validate color compliance. Submit in accordance with Section 01 78 23 OPERATIONS AND MAINTENANCE DATA.

2.1.1.1 Fire-Resistance Rated Vault Door Assemblies

Complying with NFPA 232, tested according to UL 155, and listed and labeled for fire-resistance ratings [indicated on the drawings][specified herein] by a qualified testing agency.

[2.1.1.1 Fire-Resistance Rating

UL 155, Class 350; [As indicated on drawings.] [6 hours.] [4 hours.] [2 hours.]

]2.1.2 MIL-STD-1691 JSN Data Sheets

Subject to Contracting Officer's approval, provide approved products stipulated in MIL-STD-1691 JSN All75 which are in compliance with criteria specified herein.

2.2 DAY GATES

NOTE: The day gate is not covered by FS AA-D-600.
Specify the day gate only when specifically
requested by the Using Agency.

Provide vault door manufacturer's standard day gate; full width of door opening and designed to restrict entry through vault door; with piano-type or self-closing gravity hinges on the same side as the vault door, swinging into the vault. Equip day gate with cylinder-type lock, controlled by key on non-secure side and by lever or knob on secure side.[Provide manufacturer's standard secure pass-through port, minimum[610 mm 24 inches][_____] wide by[305 mm 12 inches][_____] high with hinged cover and cylinder-type lock, controlled by key on non-secure side[and by lever or knob on secure side][with manufacturer's standard[152 mm 6 inches][_____] wide shelf attached to day gate on secure side].]

2.3 FINISH

Manufacturer's standard factory-applied, baked-on coating; finish applied to door, frame and wall flanges[and day gate]. Provide color[as specified in Section 09 06 00 SCHEDULES FOR FINISHES][as indicated; colors listed are not intended to limit the selection of equal colors from other manufacturer's].

Submit drawings showing elevations of each vault door type[and day gate type], including dimensions, clearances, details of construction and anchorage, items with integral anchors that are to be embedded in supporting construction, profiles and thicknesses of materials, details of joints and connections, and details of fittings. Include locations of locking devices, escape mechanism and accessories. Include a schedule showing the location of each vault door unit[and day gate]. Submit manufacturer's descriptive product data for each vault door type[and day gate type.] Include finishes [fire-rating capacities,] and locking characteristics.

Submit manufacturer's standard sized samples for verification of each exposed factory-applied finish to validate color compliance. Submit in accordance with Section 01 78 23 OPERATIONS AND MAINTENANCE DATA.

PART 3 EXECUTION

3.1 PREPARATION

Coordinate size and locations of vault door units[and day gates] with supporting construction, and furnish anchoring devices with templates and

written instructions for their installation.

3.2 INSTALLATION

NOTE: The door frame is a nongrout type and is adaptable to walls of 150, 200, 250, or 300 mm 6, 8, 10, or 12 inch thickness with a 13 mm 1/2 inch tolerance. Where required, the availability of frames to accommodate thicker walls must be verified with manufacturers. Construction and wall opening size requirements vary between manufacturers. There is no need to detail the door or frame; however, the walls must be detailed as necessary to show reinforcing. Show wall opening sizes as "approximate," with the final size to be as determined by the vault door manufacturer.

Install the vault door units[and day gates] in accordance with manufacturer's written instructions.[Install the day gate in a manner that does not interfere with operation of the escape device on the inside of the vault door.]

3.3 ADJUSTING AND CLEANING

Adjust vault door[and day gate] hardware and operating mechanism to function smoothly, and lubricate as recommended by the manufacturer. Remove and replace components that cannot be cleaned and repaired to like new condition. Submit specified Maintenance Data.

-- End of Section --