

**SECTION 08 34 59
VAULT DOORS AND DAY GATES**

SPEC WRITER NOTES:

1. Delete text between // _____ // not applicable to project. Edit remaining text to suit project.
2. See VHA PG-18-3 Physical Security Strategies for New and Renovation VA Construction.

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:

SPEC WRITER NOTE: Coordinate wall construction with drawing details and locations where vault doors are used.

1. Factory finished vault door complete with frame, combination lock, hardware, threshold, and day gate installed in // reinforced concrete wall // within Pharmacy.

1.2 RELATED REQUIREMENTS

SPEC WRITER NOTE: Update and retain references only when specified elsewhere in this section.

- A. Day gate lock cylinder: Section 08 71 00, DOOR HARDWARE.
- B. Intrusion alarm: Section 28 16 11, INTRUSION DETECTION SYSTEM.

1.3 APPLICABLE PUBLICATIONS

- A. Comply with references to extent specified in this section.
- B. Federal Qualified Products List (QPL):

SPEC WRITER NOTES: FS-AA-D-600 requires vault doors to be approved for listing in QPL.

1. AA-D-600-8 - Door, Vault, Security.

SPEC WRITER NOTES: FF2470 requires locks to be approved for listing in QPL.

2. FF-2470-8 - Locks, Combination.
- C. Federal Specifications (Fed. Spec.):
 1. AA-D-600D(2) - Door, Vault, Security.
 2. FF-L-2740A(1) - Locks, Combination.

1.4 SUBMITTALS

- A. Submittal Procedures: Section 01 33 23, SHOP DRAWINGS, PRODUCT DATA, AND SAMPLES.
- B. Submittal Drawings: Show size, configuration, and configuration and installation details.
 - 1. Vault door.
 - 2. Day gate.
- C. Manufacturer's Literature and Data:
 - 1. Description of each product.
 - 2. Installation instructions.
- D. Sustainable Construction Submittals:

SPEC WRITER NOTE: Retain sustainable construction submittals appropriate to product.

- 1. Recycled Content: Identify post-consumer and pre-consumer recycled content percentage by weight.
- E. Key change and combination changing instructions with copy of signed receipt.

1.5 DELIVERY

- A. Deliver products in manufacturer's original sealed packaging.
- B. Mark packaging, legibly. Indicate manufacturer's name or brand, type, color, production run number, and manufacture date.
- C. Before installation, return or dispose of products within distorted, damaged, or opened packaging.

1.6 WARRANTY

SPEC WRITER NOTE: Always retain construction warranty. FAR includes Contractor's one year labor and material warranty.

- A. Construction Warranty: FAR clause 52.246-21, "Warranty of Construction."

PART 2 - PRODUCTS

2.1 PRODUCTS - GENERAL

- A. Provide each product from one manufacturer.
- B. Sustainable Construction Requirements:

SPEC WRITER NOTES:

1. Specify products containing greatest recycled content practicable to maximize material recovery. See EPA Comprehensive Procurement Guidelines (CPG) for guidance about individual products and available recycled content. Section 01 81 13 sets overall project recycled content requirements.
2. Steel recycled content depends upon furnace type. AISC reports industry wide 32 percent for basic oxygen furnace and 93 percent for electric arc furnace.

1. Steel Components Recycled Content: 30 percent total recycled content, minimum.

SPEC WRITER NOTES:

1. Reference standard controls vault door size, materials, construction, finish, and delivery packaging. Only Class Type, and Style must be specified.
2. See drawings for door handing.
3. Ensure drawings show vault wall construction, thickness, and opening size coordinated with reference standard allowable tolerances.
4. Coordinate wall construction to support 590 kg (1300 pounds), minimum vault door weight.

2.2 VAULT DOOR

- A. Fed. Spec. AA-D-600, Class 5-V, // Type IIR (right open swing) // Type IIL (left open swing) //, without optical device, Style K, (Key change combination lock).

1. Approved Products: QPL AA-D-600 listed.

SPEC WRITER NOTES: Wall stops are preferred to avoid tripping hazards.

- B. Door Stop: // Wall // Floor // type // to suit application //.

2.3 COMBINATION LOCK

SPEC WRITER NOTE: Coordinate Style with project requirements. Style 1 is self-contained. Style 2 is networked to a system.

- A. Fed. Spec. FF-L-2740, Style 1 self-contained with key change combination.

1. Approved Products: QPL FF-L-2740 listed.

2.4 DAY GATE

- A. Self-closing metal construction with expanded mesh or solid bars infill, minimum 3.038 mm (0.12 inch) steel.
 1. Finish: Match vault door and frame.
- B. Hardware: Heavy duty hinges.
- C. Locking: Automatic, key controlled from vault exterior, and thumb-turn latch release accessible from vault interior, only.

SPEC WRITER NOTE: If vault doors are used other than at Pharmacy, coordinate with other locations.

1. Keying: Match // Pharmacy // door hardware cylinder keying.

2.5 FINISHES

- A. Steel Paint Finish:
 1. Powder-Coat Finish: Manufacturer's standard two-coat finish system consisting of the following:
 - a. One coat primer.
 - b. One coat thermosetting topcoat.
 - c. Dry-film Thickness: 0.05 mm (2 mils) minimum.
 - d. Color: Refer to Section 09 06 00, SCHEDULE FOR FINISHES.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Examine and verify substrate suitability for product installation.
 1. Verify rough opening is properly sized and located.
 2. Verify wall construction will support vault and day gate door weight.
 3. Verify factory-applied lock seal is unbroken.
- B. Remove key change and combination changing instructions from packaging and deliver to Contracting Officer's Representative, in manufacturer's original, unopened packaging.
 1. Obtain signed receipt.
- C. Protect existing construction and completed work from damage.

3.2 INSTALLATION - GENERAL

- A. Install products according to manufacturer's instructions and approved submittal drawings.

1. When manufacturer's instructions deviate from specifications, submit proposed resolution for Contracting Officer's Representative consideration.
- B. Hang vault door and day gate plumb and level.
- C. Securely attach vault door and day gate to wall construction.
- D. Engage locksmith to reset lock combination in presence of Contracting Officer's Representative.
- E. Adjust vault door and day gate for smooth operation and proper locking.
 1. Ensure vault door and day gate remain stationary when set anywhere within full swing path.

3.3 CLEANING

- A. Clean exposed vault door and day gate surfaces. Remove contaminants and stains.

3.4 PROTECTION

- A. Protect vault door and day gate from construction operations.
- B. Remove protective materials immediately before acceptance.
- C. Repair damage.

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