AA-D-600B
March 26, 1969
SUPERSEDING
Int. Fed. Spec. AA-D-00600A(GSA-FSS)
May 10, 1966

FEDERAL SPECIFICATION

DOOR, VAULT, SECURITY

This specification was approved by the Commissioner, Federal Supply Service, General Services Administration, for use of all Federal agencies.

1 SCOPE AND CLASSIFICATION

1.1 Scope This specification covers vault doors which are designed to meet the protective storage criteria for classified material set forth in Executive Order 10501, as amend ' "Safeguarding Official Information in the Interest of the Defense of the United States "

1.2 Classification.

1.2.1 Classes, types, and styles. The vault doors under this specification shall be of the following classes, types, and styles, as specified (see 6.2).

Class 5 - Resistant to 30 man-minutes surreptitious entry and 10 man-minutes forced entry.

Type IR - Right opening swing; with optical device.
Type IL - Left opening swing, with optical device.
Type IIR - Right opening swing, without optical device.
Type IIL - Left opening swing, without optical device.

Style H - Hand change combination lock.
Style K - Key changes combination lock.

Class 6 - Resistant to 30 man-minutes surreptitious entry. No forced entry requirement

Type IR - Right opening swing, with optical device.
Type IL - Left opening swing, with optical device.
Type IIR - Right opening swing, without optical device.
Type IIL - Left opening swing, without optical device.

Style H - Hand change combination lock.
Style K - Key change combination lock.

2. APPLICABLE DOCUMENTS

2 1 Specifications and standards The following specifications and standards of the issues in effect on the date of invitations for bids or request for proposal, form a part of this specification to the extent specified herein.

Federal Specifications:

QQ-C-320 - Chromium Plating (Electrodeposited).
QQ-P-416 - Plating Cadmium, (Electrodeposited)
QQ-Z-325 - Zinc Coating, Electrodeposited, Requirements for.
TT-B-621 - Boxes, Wood, Nailed and Lock-Corner.
PPP-B-650 - Box, Fiberboard, Special Purpose. (Records Retiring).
PPP-B-1055 - Barrier Material, Waterproofed, Flexible.

Federal Standards.

Fed. Std. No. 123 - Marking for Domestic Shipment (Civil agencies).
Fed. Std. No. 595 - Colors.

FSC 7110

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(Activities outside the Federal Government may obtain copies of Federal Specifications, Standards, and handbooks as outlined under General Information in the Index of Federal Specifications and Standards and at the prices indicated in the Index. The Index, which includes cumulative monthly supplements as issued, is for sale on a subscription basis by the Superintendent of Documents, U S Government Printing Office, Washington, D.C., 20402.)

(Single copies of this specification and other Federal specifications required by activities outside the Federal Government for bidding purposes are available from Business Service Centers at the General Services Administration Regional Offices in Boston, New York, Washington, D C , Atlanta, Chicago, Kansas City, Mo , Fort Worth, Denver, San Francisco, Los Angeles, and Seattle, Washington.)

(Federal Government activities may obtain copies of Federal Specifications, Standards, and Handbooks and the Index of Federal Specifications and Standards from established distribution points in their agencies.)

Military Standard.

MIL-STD-129 - Marking for Shipment and Storage.

(Copies of Military Specifications and Standards required by contractors in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

2.2 Other publications. The following document forms a part of this specification to the extent specified herein Unless otherwise indicated, the issue in effect on date of invitation for bids or request for proposal shall apply.

Underwriters' Laboratories, Inc (UL) Publication
Subject No. 768 - Standard for Combination Locks.

(Application for copies should be addressed to the Underwriters' Laboratories, Inc., 207 East Ohio Street, Chicago, Illinois 60611.)

3 REQUIREMENTS

3.1 Qualification The vault doors furnished under this specification shall be products which have been tested, and passed the qualification tests specified in section 4, and have been listed on or approved for listing on the applicable Federal qualified products list (QPL).

3 1.1 Qualification suspension.

3 1.1.1 Development of entry techniques Continuous tests of qualified vault doors will be conducted by the Government to determine whether the surreptitious or forced entry protection afforded by the vault doors should or can be improved If at any time techniques are developed within the framework of the specification which affect the security integrity of the qualified product, it shall be removed from the QPL and the manufacturer shall be required to modify the product to the extent necessary to defeat the techniques and have it requalified.

3.1.1.2 Change in specification requirements This specification will be continually reviewed by the Government to determine whether requirements should or can be changed to improve the quality of the product. If, at any time the specification's requirements are changed, and such changes affect the qualification status of the vault door, it shall be removed from the QPL and the manufacturer shall be required to modify the product to the extent necessary to comply with the specification's changes and submit it for requalification

3.2 Materials Materials used in the construction of the vault door shall be as specified herein. Materials not definitely specified shall be of good commercial quality, suitable in all respects for the purpose intended

3.2.1 Steel. Steel and other metal used in the door shall be of a type and a thickness to meet all applicable requirements of this specification. Metals used shall be free from rust, scale, pits, scratches, laps, buckles, and other imperfections which may adversely affect the appearance or impair the serviceability of the product.

3.2 2 Face hardware. Face hardware for the door, excluding the combination lock, shall be satin finished, anodized aluminum, type 430 corrosion resistant steel, brushed chromium on steel, or on die cast zinc, brass or bronze, or electrolysis nickel coating. Chromium finish shall be class I, type II of QQ-C-320.

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3.2 3 Finishing materials.

3 2 3.1 Enamel and lacquer. An enamel of the baking type or an air-dry, textured finished, nitrocellulose lacquer shall be used for the final coat The quality of the final coat and its application shall be in accordance with good commercial standards and practices. The color shall be as specified in 3.2.4.

3.2 3 2 Chromium plating shall be in accordance with class 1, type II, of QQ-C-320.

3.2 3.3 Cadmium plating Cadmium plating shall be in accordance with class 1, type I, of QQ-P-416.

3.2 3.4 Zinc coating. Zinc coating shall be in accordance with type I, class 2, of QQ-Z-325.

3.2 4 Color of finish The color of finish shall be gray, color No. 26134, of Fed. Std. No 595 (Sample panels of the standard color are obtainable without charge from the Business Service Center, Federal Supply Service, General Services Administration, Washington, D.C 20407, or from the Business Service Center of the nearest GSA Regional Office.)

3.3.1 Design The design shall provide for an end product that is practicable, durable, and acceptable in general appearance. The doors shall be hinged to swing right or left, as specified (see 6.2).

3.3 2 Assembly The door frame shall be considered a part of the door for purposes of tamper-resistance testing and shall afford the same security protection as that of the door. Protection for the extended locking bolts shall be built into the door frame. The overall width of the door frame shall not exceed the width of the clear door opening by more than 16 inches The width of the necessary opening through the structural wall shall not exceed the width of the clear door opening by more than 10 inches. The height of the necessary opening through the structural wall shall not exceed the height of the clear door opening by more than 5 inches. Except that hinges shall be removable from the outside, the door shall be assembled in such a manner as to preclude the removal or loosening of any of the door's components when the door is closed and locked All welding and brazing shall be sound without porosity and shall accomplish secure and rigid joints in proper alignment. All protruding or depressed welds on the doors exterior surfaces shall be filled and sanded or ground smooth The door and frame shall be in perfect alignment and operation of the locking mechanism, including the locking bolts, shall be smooth and positive without binding or jamming of parts. The door shall withstand the test in 4 4.8.1

3 3 3 Size The vault door assemble shall be of one size, and when installed, shall have a clear door opening of 78 inches high and 40 inches wide A forming tolerance of ± 1/8 inch shall be permitted

3.3.4 Wall thickness The door assembly shall be adaptable to one of the following wall thicknesses, as specified (see 6.2): 6-inch, 8-inch; 10-inch, or 12-inch. The assembly design shall provide a ± 1/2-inch adjustment to allow for variations in the nominal wall thickness (see 6 4)

3 3 5 Door frame The door frame shall be non-grout type and the frame and door shall be mounted so that there shall be not more than 1/8-inch clearance between the door and door frame The frame shall be designed so that when attached to the wall, the wall clamping bolts will be exposed only on the inside of the vault. The frame shall have leveling and adjusting screws to compensate for building sag which may occur at any time in the future.

3 3.6 Door pull and throw-bolt handles. The door pull and throw-bolt handles shall be of the material specified in 3.2.2. They shall be not less than 4 inches in length and of designs consistent with their intended usages The handles shall be without burrs, nicks, scratches, and sharp edges They shall be securely and firmly attached to the door front to withstand loosening in testing and in operation during the service life of the door The door pull handle may be integral with the throw-bolt handle Removal of the handle arbor shall be controlled only from the inside of the door The throw-bolt handle shall require not more than 5 pounds to engage or disengage the bolt work mechanism, and the initial force required to swing the unlocked door from any position shall not exceed 10 pounds at the operating handle.

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3.3.7 Door stop. A door stop to prevent the door's face hardware from striking wall surfaces shall be furnished with the door. The stop shall be designed to be mounted on a wall or floor and not on the door. The stop shall be able to withstand hard usage. The stop shall not scratch or scar the door's painted finish when the door is swung open against the stop.

3.3 8 Door striker. The door shall have a striker on both the front and hinged edges to minimuze play or shake in the door when in the locked condition The fit of the door to the striker on both the front and hinged edges shall be such that there is not more than 1/32-inch play or shake in the door when the bolts are thrown to the locked position.

3.3.9 Door hinges The door shall be mounted to the frame by not less than three anti-friction bearing hinges so designed to allow the door to be opened approximately 180 degrees. The hinges shall be removable from the outside.

3.3.10 Door threshold. The door threshold shall be designed to provide a ramp at the door threshold of approximately 1/4-inch to permit free swing of the door after its erection. If receptive cups, ports, or grooves are used, they shall be recessed not less than 1/2-inch below the bolt in its extended position to prevent dirt or other substances from obstructing the locking mechanism.

3 4 Combination lock. The door shall have a changeable combination lock which shall control the door locking mechanism. The lock dial shall be of top reading design and the dial ring shall be protected by a standard snap-on dust cover. At the option of the purchaser (see 6.2), the lock shall be a hand change or key change type The lock shall be tested as an integral part of the door. The lock shall resist opening by manipulation techniques (see 6.5) for not less than 20 man-hours and shall meet the group 1 or group 1R requirements of UL Publication No. 768 The UL group 1 or 1R label shall be affixed to the lock and will be accepted as evidence of compliance with the UL standard The lock shall be afforded protection against radiology techniques (see 4.4.8.3) and shall be designed to resist special techniques (see 6.7)

3 5 Locking mechanism. The engaging bolts of the locking mechanism shall have a minimum thickness of not less than one inch and the attaching linkage shall be channeled, strapped, or welded The mechanism shall be provided with a detent to lock the bolts in the unlocked position when the bolts are retracted and the door swung open. The detent shall be designed so that it can not be inadvertently tripped permitting the bolts to be thrown to the closed position

3.6 Locking mechanism and lock mounting drawings Complete, exploded view drawings of the locking mechanism and lock mounting, with individual parts indexed shall be furnished by the manufacturer upon the specific request of the purchaser.

3.7 Government lock testing The Government lock testing facility for the General Services Administration reserves the right of testing the combination lock in accordance with standards that are privileged to the Government The UL's testing of the lock shall not in its self constitute final approval.

3.8 Resistance to entry techniques

3.8.1 Surreptitious and forced entry techniques. The vault door shall withstand the applicable tests in 4.4 8 for not less than the periods of time specified hereunder.

Class 5 door - 30 man-minutes surreptitious entry and 10 man-minutes forced entry.

Class 6 door - 30 man-minutes surreptitious entry. No forced entry requirement.

3.8.2 Radiology techniques The vault door and its locking mechanism shall withstand the test in 4 4.8.3 for not less than 20 man-hours.

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3.9 Escape device Each vault door shall have an escape device which shall be permanently installed on the inside face of the door. The device shall permit ready escape for persons locked inside the vault area. Access to the device shall be only from inside the vault, and its design shall be such that under normal operating conditions it can not be activated from the outside. A decal shall be permanently affixed to the inside face of the door frame outlining in easily read letters, completely understandable instructions for activating the device to open the door. Neither the design of the device nor its installation shall affect the door's resistance to entry techniques.

3.10 Optical device. When specified (see 6.2), the door shall have a wide angle optical device and the purchaser should indicate whether the device should permit observation from inside to outside of the vault or vice versa. The optical device shall be installed in such a manner so as not to affect the door's security protection. The device shall be located in the door approximately five feet above the inside vault floor and as close to the center of the door as practicable. However, in no case shall it be closer than eight inches to the clear opening edge of the door either on the hinge or front edge.

3.11 Lubrication The door's moving parts requiring lubrication shall have a permanent type lubricant applied which is suitable to the varied climatic conditions likely to be encountered during the service of the product.

3.12 Pretreatment and finish.

3.12.1 Pretreatment. All exterior and interior ferrous metal surfaces shall be treated for painting in accordance with any type in TT-C-490. Special attention shall be given to the door's interior to assure that all welds are clean and that all slag, spatter, and dirt accumulation is removed

3.12.2 Finish. The final coat used for the finish shall be as specified in 3.2.3.1 and it shall be applied to all exterior and interior metal surfaces except plated metal. The minimum total finished film thickness of the final coat shall be not less than 1.0 mil The finish shall level out to produce uniform exposed surfaces without runs, wrinkles, grit, areas of thin film or no film, or separation of color. A textured or crinkle finish may be used Special attention shall be given to insure that all surfaces are adequately protected against rust. The final finish shall withstand the test in 4.4.6.4 without evidence of cracking, flaking, or loss of adhesion of the finish. Two test panels of 20 gage (0.0359-inch) size shall be furnished with the sample door for the purpose of the test One panel shall be prepared to reflect the inner coating and one to reflect the outer coating use

3.12.3 Plating. Bolts, screws, nuts, and similar hardware shall be made to resist rust by electrogalvanizing or by zinc, cadmium, or chromium plating as specified in 3.2.3.

3.13 Labels. Each door furnished under this specification shall bear the metal labels specified hereunder

3.13.1 General Services Administration label. Affixed to the outside face of the door shall be a label which shall show in lettering not less than 1/8-inch in height, the following.

GENERAL SERVICES ADMINISTRATION
APPROVED SECURITY VAULT DOOR
MANUFACTURER'S NAME

3.13.2 Identification label. Affixed to the inside face of the door frame shall be a label which shall show the door model and serial number, date of manufacture, and Government contract number.

3.13.3 Certification label. Affixed to the inside face of the door frame shall be a label which shall bear the following certification

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For the class 5 door.

"This is a U.S. Government cl. 5 vault door which has been tested and approved by the Government under Fed. Spec. AA-D-600B. It affords the following security protection.

"30 man-minutes against surreptitious entry.
10 man-minutes against forced entry.
20 man-hours against lock manipulation.
20 man-hours against radiology techniques.

"The protection certified above applies only to the door and not to the vault proper."

For the class 6 door:

"This is a U.S. Government cl. 6 vault door which has been tested and approved by the Government under Fed Spec. AA-D-600B. It affords the following security protection·

"30 man-minutes against surreptitious entry.
20 man-hours against lock manipulation.
20 man-hours against radiology techniques
No forced entry requirement.

"The protection certified above applies only to the door and not to the vault proper."

3.14 Workmanship. The workmanship shall be of a quality to produce a serviceable and well finished end item able to withstand hard daily usage. The edges of all exposed parts and sheets shall be protected by folding beading, flanging or grinding to eliminate burrs roughness, and sharp edges. The bending of channels and flanges shall be straight and smooth Welding and brazing shall produce secure and rigid connections. Lock washers, cotter pins, clips, and other retainers, or built-in features shall be used to prevent loosening of screws, bolts, and nuts which may cause disengagement of parts and possible lock out Moving parts shall operate smoothly without binding or jamming. The door shall be free of any defects or features which may affect its appearance and serviceability or which may cause personal injury.

3.15 Replacement of parts Parts subject to replacement such as the combination lock and face hardware shall be capably of identical replacement in the field without use of special tools or specially qualified personnel. Such replacement shall be possible without affecting the security integrity of the door

3 16 Spare parts list A spare parts list of all door parts which may be subject to subsequent replacement shall be furnished with each door delivered under contract. The parts list shall clearly identify the parts by descriptions and part's numbers. The list shall be printed on paper or other suitable material and bonded by glue or adhesive to the inside face of the door frame.

4 QUALITY ASSURANCE PROVISIONS

4.1 Inspection responsibility. Except that testing for qualification shall be performed by an agency designated by General Services Administration, the supplier is responsible for the performance of all inspection requirements as specified herein Except as otherwise specified, the supplier may utilize his own or any other inspection facility or service acceptable to the Government. Inspection records of the examinations and tests shall be kept complete and available to the Government as specified in the contract or order The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure that supplies and services conform to the prescribed requirements.

4.2 Component and material inspection. In accordance with 4.1, the supplier is responsible for insuring that components and materials used are manufactured, tested, and inspected in accordance with the requirements of referenced subsidary specifications and standards to the extent specified, or, if none, in accordance with this specification.

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4.3 Inspection of preparation for delivery requirements. An inspection shall be made to determine that the packing and marking comply with the requirements in Section 5 of this specification. Defects shall be scored in accordance with table I. The sample unit shall be one shipping container fully prepared for delivery. Sampling shall be in accordance with MIL-STD-105. The lot size shall be the number of shipping containers in the end item inspection lot. The inspection level shall be II and the AQL shall be 4.0 defects per hundred units.

Table I. Classification of preparation for delivery defects

Examine	Defect
Markings (exterior)	Omitted, incorrect, illegible, improper size, location, sequence or method of application.
Materials	Any component missing or damaged.
Workmanship	Incomplete closure of box, loose strapping, distortion of container

4.4 Testing procedures and tests.

4.4.1 Testing agency. Qualification tests accomplished on doors submitted for approval for inclusion on the applicable Qualified Products List (QPL) and any retesting that may be required shall be performed by a testing agency specifically designated by the General Services Administration.

4.4.2 Test costs. All testing costs entailed in determining the qualification of the supplier's product, including costs of retesting of a qualified product if subsequently disqualified under 3.1.1.1 or 3.1.1.2, shall be borne by the supplier, and shall be payable to the General Services Administration as directed by Standardization Division, Federal Supply Service.

4.4.3 Test procedures. The following procedures shall govern the testing of all doors submitted for qualification under this specification:

(a) Samples shall be submitted for qualification only after the supplier has obtained written authorization from the General Services Administration.

(b) A qualification test may be discontinued at the Government's testing facility at any time the product fails to meet any one or more of the requirements set forth in this specification. The manufacturer may be permitted to make modifications on the sample during the testing phase where such modifications, in the judgement of the General Services Administration and the testing facility, are clearly in the interest of the Government.

(c) In case of failure of the sample, consideration will be given to the request of the manufacturer for resubmission for retest only after it has been clearly shown that changes have been made in the product which the Government considers sufficient to warrant retest.

(d) The manufacturer or his representative will not be permitted to observe the actual tamper resistance tests conducted on his product at the testing facility. However, when samples tested fail to comply with the requirements of this specification, the sample may be examined by the manufacturer or his representatives and full details of the failure may be made known to them in a manner which, for reasons of security, will be in the best interest of the Government.

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4.4.4 Test samples. A qualification test sample of the class the supplier proposes to furnish shall be forwarded at a time and to a place designated by the General Services Administration. In the event the sample is destroyed or damaged to such an extent during testing that testing cannot be completed, the Government reserves the right to require the manufacturer to furnish additional samples to complete the testing.

4.4.5 Drawings and material specifications. The manufacturer shall furnish two complete sets of construction and assembly drawings and material specifications with the sample submitted for qualification. When samples have been tested and are approved for inclusion on the applicable QPL, the manufactuer shall furnish three additional complete sets of the assembly and construction drawings and material specifications lists to the General Services Administration for the Government's use in inspection and acceptance of the product after award of contract. All material so furnished by the manufacturer will be held in proprietary confidence.

4.4.5.1 Changes in drawings and material specifications. Once the door has been tested and approved for QPL, no change of any kind shall be made in its construction or in the construction drawings unless prior written authorization to make the change is obtained from the Federal Supply Service, General Services Administration.

4.4.6 Qualification testing. Qualification testing shall consist of the following tests described under Test Methods in 4.4.8. Failure of the sample to withstand these tests shall provide reason to consider the product as having failed to meet qualification requirements.

(a) Door test - 4.4.8.1
(b) Surreptitious and forced entry test - 4.4.8.2
(c) Radiology test - 4.4.8.3

4.4 7 Acceptance after award of contract The Government reserves the right to inspect and test each door, including all component parts thereof, delivered for acceptance under this specification after award of contract.

4.4.8 Test Methods.

4.4.8 1 Door test The vault door shall be suspended in a test frame and swung open 90 degrees from its closed position. Two hundred pounds of weight shall be loaded on the top edge of the door opposite and furthermost from the hinged side. The door shall be allowed to hang in this position for approximately 24 hours At the end of this period the door shall be examined for ease of operation The door shall not stick or jam in its frame and the lock and locking mechanism shall operate easily and smoothly.

4 4.8.2 Surreptitious and forced entry. There shall be sufficient time and opportunity to study the design and construction of the door and to develop testing methods prior to the start of the tests. There shall be no limit on the number of methods of entry attempted Not more than two men shall be used simultaneously during each attempt at entry. The man-minute working time shall cover the period during which a surreptitious or forced entry test is in progress and shall be exclusive of time required for safety precautions and rest periods The test tools and devices used in the test shall be limited to those powered by hand such as but not limited to, cutters hammers, wedges, chisels, and drills Tools and devices shall be not more than 20 inches in length when dis-assembled or folded. Tools and devices shall be capable of being carried in a case not exceeding 1.5 cubic feet in volume and nine inches in thickness, and which do not exceed a total weight of 25 pounds, exclusive of weight of case. Neither explosives nor the application of heat such as from a blow torch or electric arc shall be used The time clock shall be started when the test equipment carrying case is opened and shall not be stopped during a test, except as specified above Any change or repair of tools taken from the carrying case during a test shall only be done while the clock is running. Simulated test actions shall not serve in lieu of an actual test on the item at hand. And, where successful entry is achieved, the test shall be completed in detail.

4.4 8 3 Entry by Radiological techniques The door shall successfully meet the following test to demonstrate resistance to entry by radiological techniques. The door structure shall be radiographed, and the resulting radiographs shall not permit determination of the lock combination to the extent that entry is made in less than the time specified. Radioactive isotopes such as Cobalt 60 will be used in the test. The test is intended to simulate attempted entry within the specification limits of time and equipment, utilizing practicable and feasible procedures and equipment available to Government testing agencies performing the tests. Any entry made under the preceding conditions within 20 man-hours shall provide reason to consider the door as having failed to meet requirements of the test.

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4.4.8.4 Finish test. The two panels prepared as specified in 3.12.2 shall, at room temperature, be bent around a 1/4-inch rod to an angle of 180 degrees. The panels shall then be examined for compliance with 3.12.2.

4.5 Inspection. The door shall be inspected for compliance with dimension, color and finish, label, and workmanship requirements of this specification.

5. PREPARATION FOR DELIVERY

5.1 Packing Packing shall be level A, B, or C (see 6.2)

5.1.1 Level A. Each complete door shall be packed in a crate conforming to PPP-B-650 or in a box conforming to PPP-B-621. When packed in a crate the contents shall be waterproof shielded with a shroud fabricated of material conforming to PPP-B-1055, as specified for interior shrouds, and in accordance with the appendix to the crate of the container When packed in a box the contents shall be shrouded as specified herein and the box shall be modified with addition of reinforcing members and skids as specified in the box specification. The contents of the crate or box shall be blocked, braced and cushioned to prevent movement during multiple shipments.

5.1.2 Level B Each complete door shall be packed in a crate conforming to PPP-B-650 or in a box conforming to PPP-B-621. Unless otherwise specified (see 6.2) shrouding of contents shall not be required. The contents of the crate or box shall be blocked, braced and cushioned to prevent movement during shipment.

5.1.3 Level C. Each complete door shall be packed to assure carrier acceptance and safe delivery to destination in containers complying with rules and regulations applicable to the mode of transportation.

5.2 Marking.

5.2.1 Civil agencies In addition to markings required by the contract or order, the shipping containers shall be marked in accordance with Fed Std No. 123.

5.2.2 Military activities In addition to markings required by the contract or order, the shipping containers shall be marked in accordance with MIL-STD-129

6 NOTES

6.1 Intended use The doors are intended for use in storage vaults and strong-rooms to protect against the unauthorized passage of a person or persons through the doorway into the vault proper.

6.2 Ordering data Purchasers should exercise any desired options offered herein, and procurement documents should specify the following

(a) Title, symbol, and date of this specification.
(b) Class, type, and style required (see 1.2.1).
(c) Thickness and composition of vault wall (see 3.3.4 and 6.4)
(d) Levels of packing and marking required (see 5.1 and 5.2)

6.3 Qualification With respect to products requiring qualification, awards will be made only for such products as have, prior to the time set for opening of bids, been tested and approved for inclusion on the applicable Federal Qualified Products List, whether or not such products have actually been so listed by that date. The attention of suppliers is called to this requirement, and manufacturers are urged to arrange to have the products that they propose to offer to the Federal Government tested for qualification so that they may be eligible to be awarded contracts or orders for the products covered by this specification. The activity responsible for the Qualified Products List is Standardization Division, Federal Supply Service, General Services Administration, Washington D.C. 20406, and information pertaining to qualification may be obtained from that activity

6.4 Composition of vault wall Examples of materials commonly used in vault construction are reinforced concrete, interlocked hard brick, steel alloy, or a combination of these. In order that the door manufacturer can insure a proper fit, the purchaser should stipulate in the purchase order (see 6.2) the thickness and the type of material used in the vault wall.

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6.5 Definition of terms used in this specification.

6.5.1 Surreptitious entry. For the purpose of this specification, "surreptitious entry" means the unauthorized passage through the doorway by a person in such a manner as to leave no evidence of the act that would be readily discernible in normal use of the door.

6.5.2 Forced entry. For the purpose of this specification "forced entry" means the unauthorized passage through the doorway by a person in such a manner that evidence of the act could be discernible in normal use of the door.

6.5.3 Normal use. For the purpose of this specification "normal use" means unlocking and opening the door to the extent necessary for entry, or the operation of the escape device from within the vault necessary for exit During these processes the sides, front, back, and threshold of the door assembly are exposed to view and touch, and the top and bottom edges of the door are not exposed to view or touch.

6.5.4 Lock manipulation. For the purpose of this specification "lock manipulation" means the opening of the combination lock without alteration or disarrangement of lock parts or substitution of parts Ordinarily manipulation would be accomplished by movement of the lock dial

6.6 Samples. All sample doors required for test purposes shall be furnished at no expense to the Government and the manufacturer shall pay all transportation charges to and from the point where the tests are performed. All tested samples shall become the property of the Government but may be released to the manufacturer at the option of the Government. Upon request, the manufacturer shall furnish to the Government a door equal in every respect to that of the qualified sample for use of inspection during the term of contract. The door shall be furnished at no expense to the Government and will be returned to the manufacturer upon expiration of his contract.

6.7 Special techniques. Information relating to the requirements of 3.4 in respect to special techniques will be disclosed to qualified suppliers and personnel of the Federal agencies on an official need to know basis.

Preparing activity:

GSA-FSS

Orders for this publication are to be placed with General Services Administration, acting as an agency for the Superintendent of Documents. See section 2 of this specification to obtain extra copies and other documents referenced herein. Price of this specification 15 cents each.

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STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

OMB Approval No. 22-R255

INSTRUCTIONS The purpose of this form is to solicit beneficial comments which will help achieve procurement of suitable products at reasonable cost and minimum delay, or will otherwise enhance use of the document DoD contractors government activities, or manufacturers/vendors who are prospective suppliers of the product are invited to submit comments to the government Fold on lines on reverse side, staple in corner, and send to preparing activity Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements Attach any pertinent data which may be of use in improving this document. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity

DOCUMENT IDENTIFIER AND TITLE

NAME OF ORGANIZATION AND ADDRESS

CONTRACT NUMBER

MATERIAL PROCURED UNDER A

☐ DIRECT GOVERNMENT CONTRACT ☐ SUBCONTRACT

1 HAS ANY PART OF THE DOCUMENT CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE?

A GIVE PARAGRAPH NUMBER AND WORDING

B RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES

2 COMMENTS ON ANY DOCUMENT REQUIREMENT CONSIDERED TOO RIGID

3 IS THE DOCUMENT RESTRICTIVE?

☐ YES ☐ NO *(If "Yes", in what way?)*

4 REMARKS

SUBMITTED BY *(Printed or typed name and address - Optional)*

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