HAMILTON - Class 5-V Security Vault Door

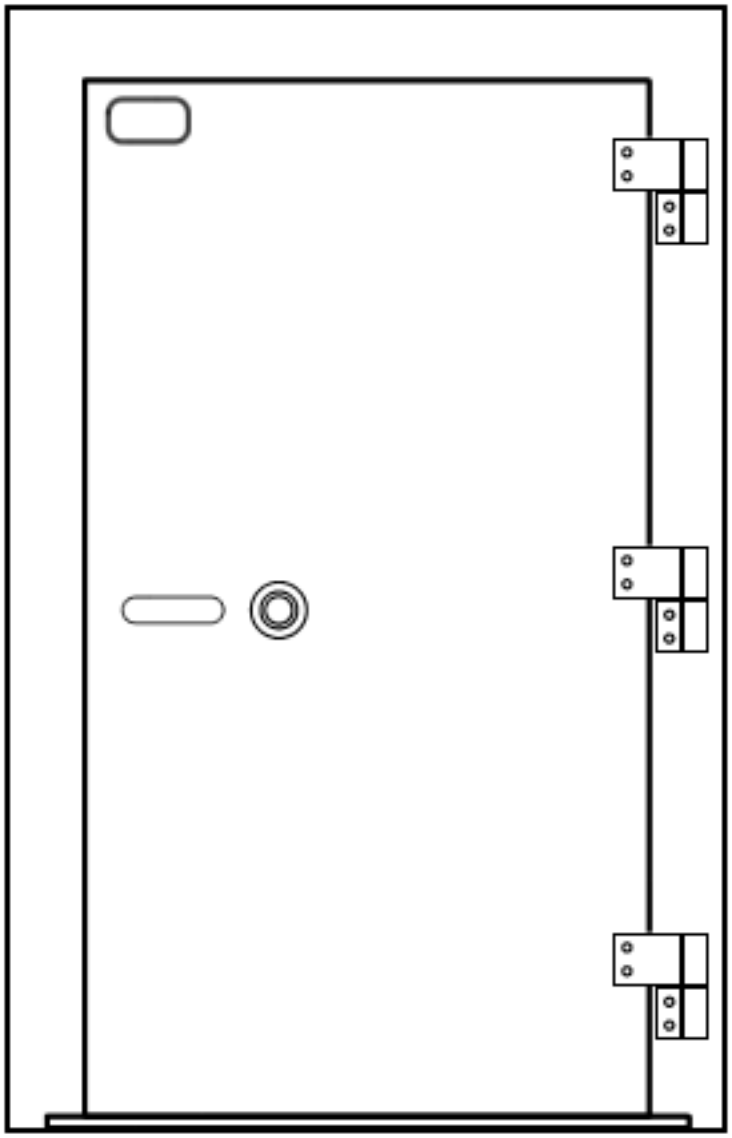
GENERAL SERVICES ADMINISTRATION

APPROVED

ARMORY VAULT DOOR

HAMILTON

PRODUCTS GROUP, INC.



Lock Specifications:

Federal Specification AA-D-600 requires that combination locks used on GSA Approved Vault Doors must meet the following requirements:

Class **5-V Security Doors** must have locks meeting Federal Specification FF-L-2740.

Class **5-A Armory Doors** must have locks meeting Federal Specification FF-L-2937 and UL 768, Group 1.

Class 5 Protection:

These are US Government Class 5 Vault Doors, which have been tested and approved by the Government under Federal Speciication AA-D-600.

The **Class 5-V Security Door** provides the following security protection:
20 man-hours against surreptitious entry
30 man-minutes against covert entry
10 man-minutes against forced entry

The **Class 5-A Armory Door** provides the following security protection:
30 man-minutes against covert entry
10 man-minutes against forced entry

* Only the highlighted areas above are being submitted.

HAMILTON
CLASS 5 VAULT DOORS
(GSA APPROVED)

Submittal Data 2.1 – Preparation

ROUGH OPENING PREPARATION

It is strictly prohibited to place any "Compressible Materials" within five inches (5") from the edge of the rough opening. This includes sheetrock, metal studs, wood, etc. *(Note: If your project wall designs are showing sheetrock or other material in this manner, the Architect or Designer will need to make a change in design.)* Compressible materials can easily wear out and cause the vault door to eventually settle out of plumb and cause a "lock-in" situation. The use of such materials would also null and void the supplied (1) One Year Warranty from the Manufacturer / GSA Supplier. The jack bolts and frame of the vault door must attach directly to the concrete or masonry vault wall.

INTERIOR MOUNTED DOORS ONLY

The GSA Approved vault doors are not to be installed on an "Outside Wall". It is the Customer's responsibility to ensure that the Architect or Designer has not designed the building or vault in this manner. In some cases, a foyer may be built in front of the vault door, but it will need to be climate controlled. All vault doors are designed to swing out only.

VAULT WALL COORDINATION & CONSTRUCTION

These Class 5 Vault Doors are only made for walls six inches to twelve inches (6" – 12") thick. Walls thicker than twelve inches (12") will require custom made flanges that are not included in the standard quotation, and as noted on the original quotation, will require an additional charge for manufacture. Please contact Vanguard for correct pricing and ordering. Vault walls must be fully completed with rough openings as submitted prior to installation. If all walls are not constructed per submitted data, customer will be responsible for a second trip to the job site.

DELIVERY OF MATERIALS & CUSTOMER CARE

(Unless otherwise stated on the quotation, the Customer is to receive and unload the vault doors when they are delivered, as per Note 1 of the original quotation.)

When receiving doors, the Customer must unload them using a forklift or using a pallet jack with a loading dock. Customer is to be careful not to place forks within the crate, as the vault door will be facing downwards. The forks must be placed within the pallet portion of the package. If misplaced, the face of the door and the lock could be damaged. It is the Customer's responsibility to repair any damage should this occur.

At time of delivery, it is the Customer's responsibility to examine each crate for possible freight damage. If there are any concerns, the Customer is to label on the freight bill "Possible Damage" in the presence of the delivery truck driver, before he drives off site. Vanguard International, Inc. is to be contacted if there are any damage concerns. Failure for the Customer to note freight damage may result in additional charges. It is the customer's responsibility to file any freight claims with the freight carrier for lost or damaged shipments.

Delivered material is not to be left outside or exposed to the weather. It is the Customer's responsibility to take the doors into the building and place them near the vaults prior to arrival of the installers as per note 1 of the Vanguard Quotation. Leaving the material exposed to the weather may result in additional repair charges, freight costs or warranty revocation. Please make sure to store the doors properly near vaults.

ORDER CONFIRMATION – FORM 10A

It is the Customer's responsibility to fill out our attached Form 10A as a customer confirmation of the correct door numbers, door swings, wall thicknesses (concrete wall only), and correct project shipping address. This form is mandatory and must be completed by the Customer and returned before or with the approved or noted submittals for this project. Manufacture cannot begin until this form is completed. Failure of the Customer to give the correct wall thickness of the vault concrete or masonry wall will result in additional charges for a second set of flanges to be shipped to the site.

CUSTOMER COORDINATION REQUIRED

It is the Customer's responsibility to coordinate and ensure that the installers place the correct Vault Doors into the correct door openings as per plans and specifications. Our installers do not always have access to plans and full coordination and communication should be given by the Customer to ensure that the doors are installed in the correct places as per door swing and lock type. Failure to do this may result in additional charges for a locksmith to come out to the site to change out locks and GSA labels.

LOCK COMBINATION SETTINGS

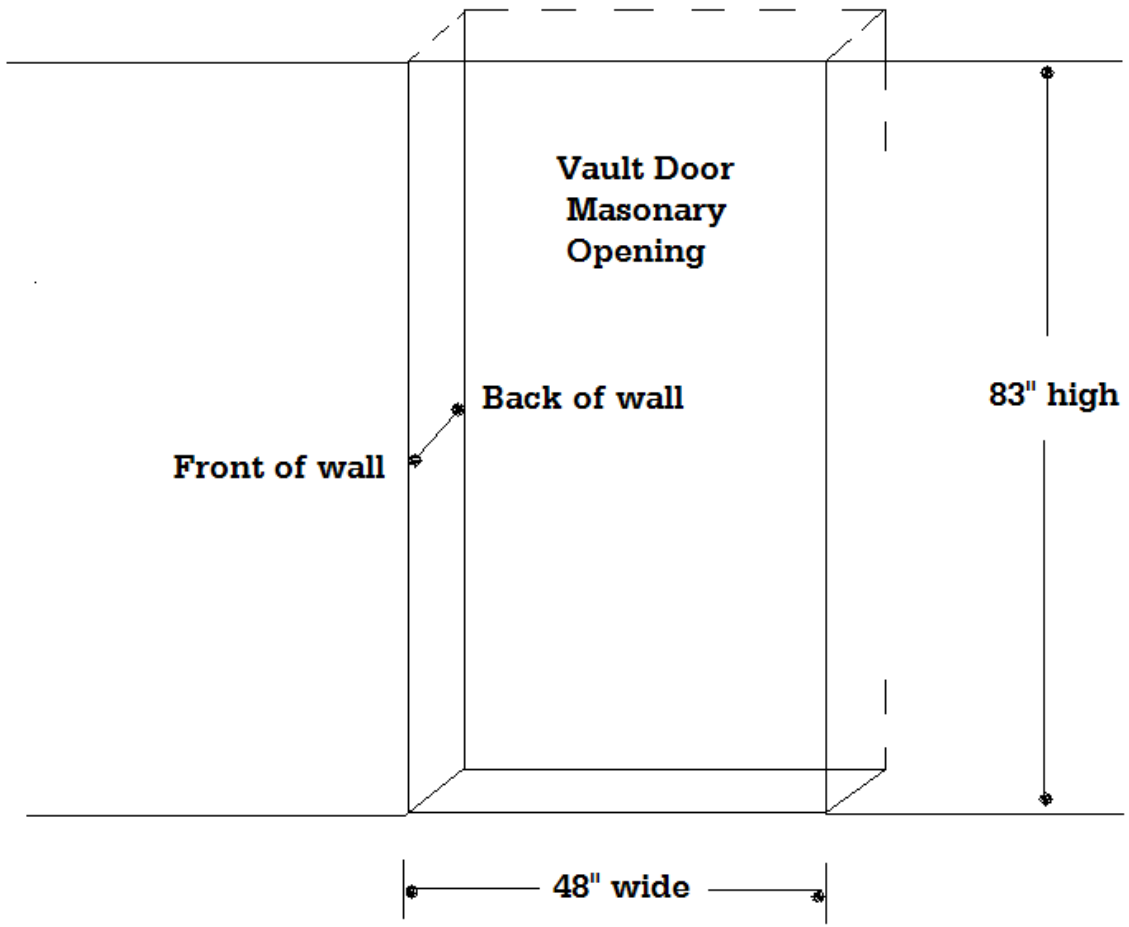
The contractor is not to change the combination settings of the lock from the factory settings. It is the owner's responsibility to change the combination to his or her own personal settings. If the contractor changes the settings and there is a lock problem due to this, the contractor will be responsible for locksmith fees to fix the problem. If the combination is lost or forgotten, the only way to fix this is to drill the lock.

WARRANTY INFORMATION

Products manufactured by Hamilton Products Group, Inc. carry a One (1) Year Warranty from the date of substantial completion of installation for factory defects under normal use. This warranty is limited to repairing or replacing parts under a reasonable time frame after the receipt of written notice as to such defect, and which its examination shall disclose to its satisfaction to have been defective. This warranty extends only to the original purchaser of the material and shall be void if the product is repaired or tampered with in any manner by anyone other than our authorized personnel. This warranty does not cover Acts of God, Terrorism, Water or Electrical Damage or Damage caused by the Customer or another Sub Contractor, etc. on the jobsite. If damage occurs in any of these manners, the Customer is responsible for lock or door repairs.

INSTALLATION SIGN OFF

Customer must "Sign Off" for acceptance of any doors being installed and tested by Vanguard International, Inc.
Sign Off agreement includes testing of the vault doors, testing of the locks in the presence of the customer, receipt of the vault door and day gate keys and overall acceptance of the doors as per plans and specifications. There will be one agreement form for each door set installed. These forms will be signed by the customer when presented by our installers. Also, customer training is by paper work only and does not include a second trip to the job site for this purpose.



Item 1:
Masonary Opening Dimensions are 83" High x 48" Wide.

Item 2:
In order to receive the proper door flanges, the Contractor or Customer is required to confirm the wall thickness where the vault door is to be installed. Measure from front to back of wall for thickness.

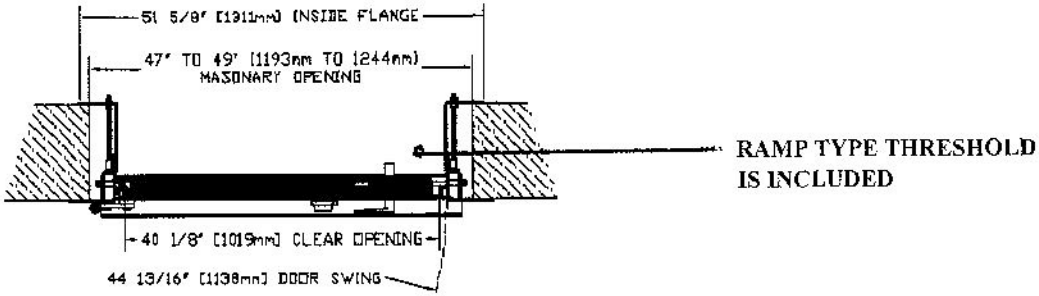
Confirmation _____ inches.

Confirmation signature of contractor / customer:

SIGNATURE _____
PRINT NAME _____
TITLE _____
DATE _____

GSA APPROVED - CLASS 5 VAULT DOOR
MASONARY OPENING & WALL THICKNESS
CONFIRMATION DETAIL
Not To Scale

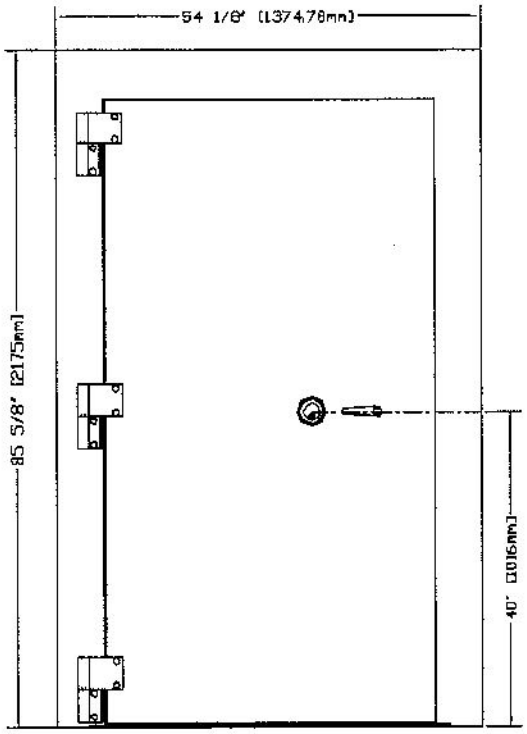
VANGUARD INTERNATIONAL, INC.
WORLDWIDE HAMILTON DEALER



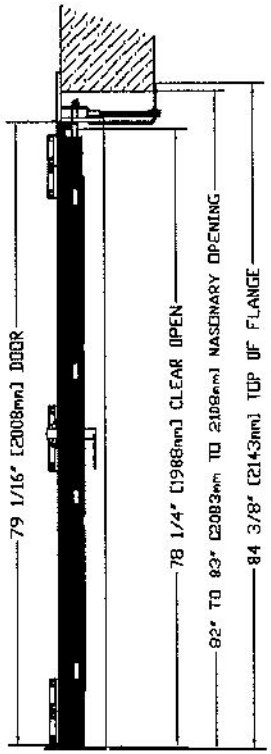
PLAN

8" CMU Wall

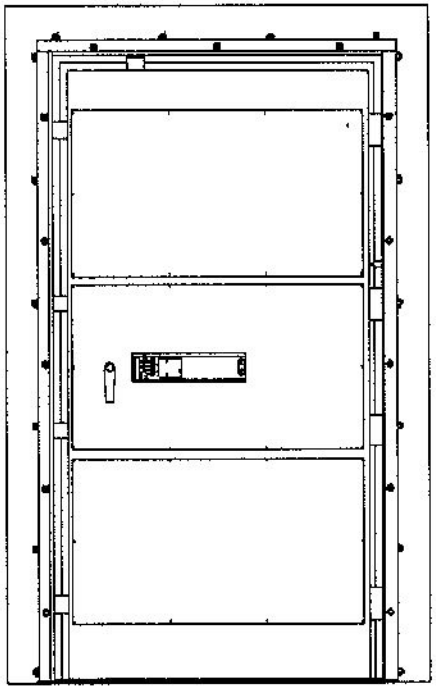
Confirmed



EXTERIOR ELEVATION



SECTION



INTERIOR ELEVATION

APPROXIMATE SHIPPING WEIGHT = 1,500 lbs

HAMILTON PRODUCTS GROUP	
DETAILS LEFT SWING GSA APPROVED CLASS 5 SECURITY VAULT DOOR	
Drawing Number : XX-XXX	Date :5-15-01

X-10: The GSA Approved Lock for FF-L-2740, Revision B, Style 1 Applications

SECURE TRADITION

The Kaba Mas X-0 series is the trusted choice for securing the US Government's most sensitive material. The X-0 series was first introduced in 1992 as the lock to meet the strict requirements of Federal Specification FF-L-2740. This specification is the US Government's highest security standard for electro-mechanical locks. The X-10 represents the latest edition to this secure tradition. The X-10 is the GSA (General Services Administration) approved lock for FF-L-2740, latest revision B, Style 1 applications. The X-10 is approved by the GSA for use on approved Class 5 and 6 filing cabinets and Class 5 Security vault doors.

WHY THE X-10?

The X-10 was designed and developed as a direct result of the latest revision to federal specification FF-L-2740, now Revision B. This revision calls for two distinctly different lock styles. Be aware that the characteristics and operating features of a "Style 1" and "Style 2" lock are not equal! The X-10 is the only self-contained lock and clearly represents the best overall value. The X-10 is the lock awarded the distinction of being approved for Style 1 Applications.

USER FRIENDLY FEATURES

The X-10 was designed with similar features and functions of its predecessor, the X-09. This minimizes the need for user training. The X-10 maintains the already familiar product operating features. The X-10 uses the same "Green" self-powered technology - simply rotate the dial to power-up the lock. The proprietary Kaba Mas self powered feature eliminates the concern of an unexpected failure due to battery life. The X-10 retains the same three security modes, along with a full complement of audit features.

WHAT'S NEW?

The following chart lists the enhanced features of the X-10 versus its predecessor the X-09:

Feature	X-09	X-10	Comments
Lock Case	Field Assembly	Through Case Mounting	Ease of Installation, Sealed Case
Serial Number	Six-Digit	Eight-Digit	X-0 Series, 1 Million Sold
Lock Motor	Stepper Motor	DC Motor	New Lock Design
Lock Cable Orientation	6:00 - 3 Hrs. Behind Bolt	3:00 - Opposite of Bolt	New Lock Design
Lock Bolt Options	Flush & Extended - 4 Options	One Bolt Flush - Tapped	Enhanced Design, Fewer Parts
Product Identification "Dial Ring"	Factory Location, Month & Year Made	Product ID, Location, Month & Year Made	Product Differentiation
ID Stamp Location	9:00	8:00	Product Differentiation

The X-10 has been designed to enhance user friendly features, while improving security. For example, the lock case incorporates a through case mounting feature to improve ease of installation while protecting the lock's internal electronics and mechanisms. The lock case has a security seal which provides a visible indication the lock has been accessed.

X-10 Specifications

HARDWARE SPECIFICATIONS

- **Power:** ..... Internal, self-powered by "Green" Rotational electromechanical PowerStar™ technology.

COMBINATIONS – 3 MODES:

- **Single:** ..... 1 million combinations
- **Dual:** ..... 500 billion combinations
- **Supervisor/Subordinate:** ..... 2 million combinations

- **Direct Dial:** ..... No need to clear before entering combination. Once you stop turning the dial, the power will shut down after 40 seconds.
- **Memory:** ..... Non-volatile
- **LCD:** ..... Limited View Liquid Crystal Display with visual controls makes dialing easy and exact.
- **Combination Changes:** ..... (LCD indicator in change key mode.) Combination changed with correct combination or serial number.
- **Random Number View:** ..... True Scramble
- **Daylocking:** ..... No
- **Back Dialing:** ..... No
- **Lock Reset:** ..... Automatic when bolt is thrown or 40 seconds after turning has stopped.
- **Manipulation:** ..... Fail secure against high-voltage attack, robot attack, X-ray methods, magnetic, vibration, and R/F.
- **Audit:** ..... The X-10 records all openings, and the record is non-resettable. The X-10 records unsuccessful attempts after 3 incorrect combination attempts and resets after a correct opening.
- **Wrong Try Penalty:** ..... 10-14 errors results in a 3 minute time out. 15 errors or greater results in a 4 minute time out. Both error count and penalty time resets with valid combination.

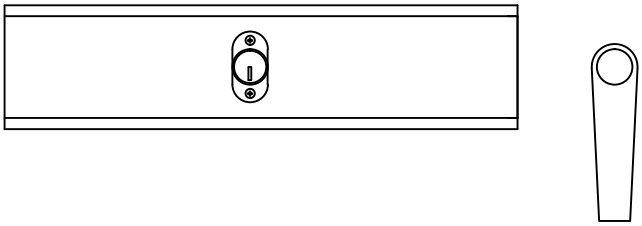
ENVIRONMENTAL PERFORMANCE (PER FF-L-2740B)

- **Temperature:** ..... Tested -10°F to 155°F Operational Range.
- **Salt Spray:** ..... Operational After 72 hours of continuous exposure (per UL 768 Salt Spray Conversion Test).
- **Cycle Test:** ..... Meets or exceeds FF-L-2740B specifications.
- **Humidity:** ..... Operational after 10 days of 140°F @ 98% humidity (Operational after 10 days testing per MIL-STD-810E, Method 507.3, Procedure III, Temperature Cycling 86°F to 140°F @ 98% RH)
- **Stress:** ..... Operational after 7 days in a stress chamber @ 194°F (per UL 768 Aging Stress Distortion Test).
- **Vibration:** MIL-STD-810
- **Shock:** MIL-STD-901
- **Electrical Discharge:** ..... 250KV on Dial
- **Electromagnetic Pulse:** ... Meets FF-L-2740B specification for simulation of high altitude nuclear blast.
- **Case & Bolt Strength:** ..... 600 pounds in two directions.

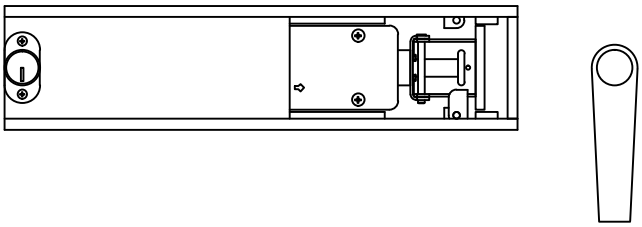
IMPORTANT NOTE: Department of Defense and Agencies - Inquiries please contact:
Naval Facilities Engineering and Expeditionary Warfare Center, Physical Security Technology Division, DoD Lock Program, 1100 23RD Avenue, Port Hueneme, CA 93043-4370. **Phone:** (805) 982-1212 | https://portal.navfac.navy.mil/go/locks

TO OPERATE ESCAPE MECHANISM

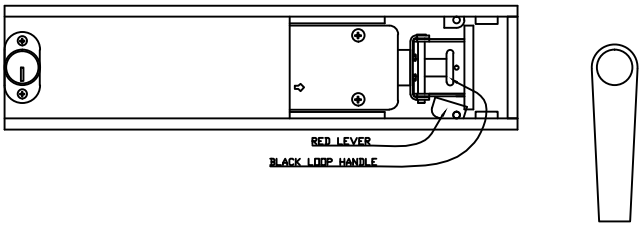
1. REMOVE KEY FROM EYEBOLT NEAR TOP OF DOOR



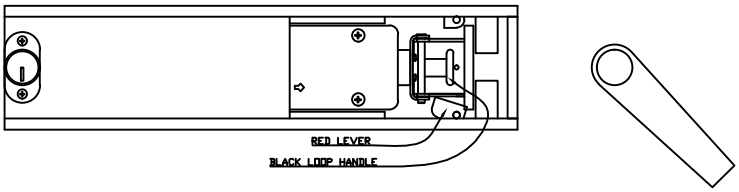
2. UNLOCK PLUNGER LOCK ON ACCESS DOOR AND SLIDE DOOR AWAY FROM HANDLE



3. ROTATE RED LEVER TOWARD LOCK AND HOLD, THEN PULL BLACK LOOP HANDLE



4. THROW DOOR HANDLE TO RETRACT LOCKING BOLTS



5. WHILE DOOR IS OPEN, SLIDE ACCESS DOOR BACK TO CLOSED POSITION AND PUSH IN LOCK

6. REPLACE KEY ON EYEBOLT

B Series

B250 deadlatches
B500 deadbolts
B600/700/800 deadbolts

Auxiliary locks for added security

Auxiliary locks not only provide added protection for exterior entrance doors, they can also protect common use areas like pool gates and storage/utility spaces from unauthorized access. Schlage delivers flexibility and performance with a full line of auxiliary locks that range from heavy-duty to high-traffic performance, and complement our lock lines. A choice of styles and finishes ensures a consistent look across doors and throughout your building.

We don't compromise on security

The safety and security of your clients' buildings is something we take very seriously. That's why every Schlage lock and deadbolt undergoes intensive testing to determine its ANSI grade level:

- Cycle tests
- Door impact tests
- Bolt strength tests
- Resistance tests
- Warped door tests

We pay attention to these details so you can focus on creating a functional and aesthetically pleasing environment for your clients. In fact, every one of our B Series locks meets ANSI Grade 1 or Grade 2 standards for safety.

Pictured here: B500 (Grade 2) deadbolt and
ND Series Sparta lever shown in 626 satin chrome

B Series at a glance

B250 · B500 · B600/700/800

B250 Series: Grade 2 deadlatch

B500 Series: Grade 2 deadlock

B600 Series: Grade 1 deadlock

B700 Series: Grade 1 deadlock w/Primus® XP controlled access cylinder

B800 Series: Grade 1 deadlock w/Primus XP high security cylinder, UL437 rated

Functions

Product	ANSI	Deadbolt functions								Deadlatch functions	
		Single cylinder deadbolt	Double cylinder deadbolt	Classroom deadbolt	Door bolt occupancy indicator	Door bolt	Door bolt with trim	Cylinder only deadbolt	Cylinder only X blank plate deadbolt	Single cylinder deadlatch	Double cylinder deadlatch
Interior		Thumbturn	Keyed	Thumbturn	Thumbturn	Thumbturn	Thumbturn	No trim	Blank plate	Thumbturn	Keyed
Exterior		Keyed	Keyed	Keyed	Indicator	No trim	Blank plate	Keyed	Keyed	Keyed	Keyed
B250	Grade 2									B250PD	B252PD
B500	Grade 2	B560P	B562P	B563P	B571	B580	B581		B561P		
B600	Grade 1	B660P	B662P	B663P		B680		B664P	B661P		
B700	Grade 1	B760P	B762P	B763P				B764P	B761P		
B800	Grade 1	B860P	B862P	B863P				B864P	B861P		

Finishes

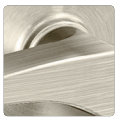
605
Bright brass

606
Satin brass

609
Antique brass

612
Satin bronze*

613
Oil rubbed bronze



619
Satin nickel*

622
Matte black

625
Bright chromium plated

626
Satin chromium plated

626AM
Antimicrobial coating*

643e
Aged bronze*

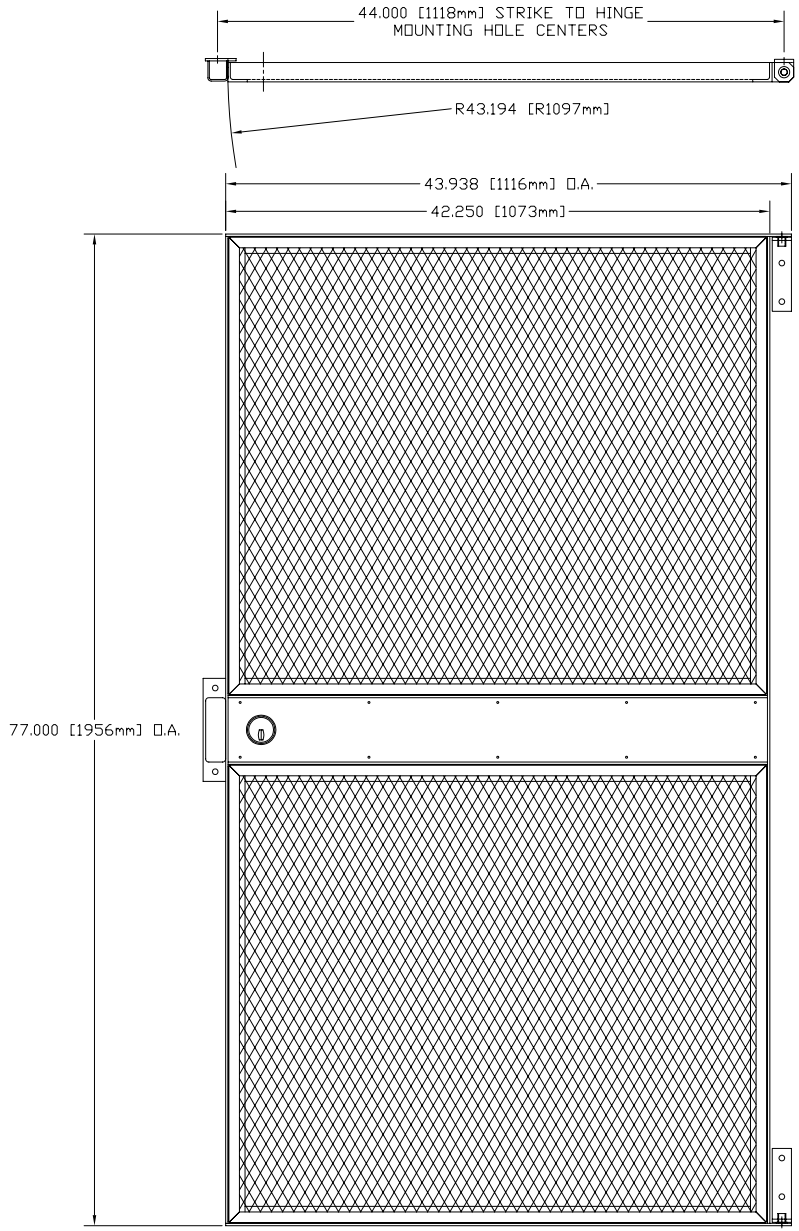
* Finish not available on B250

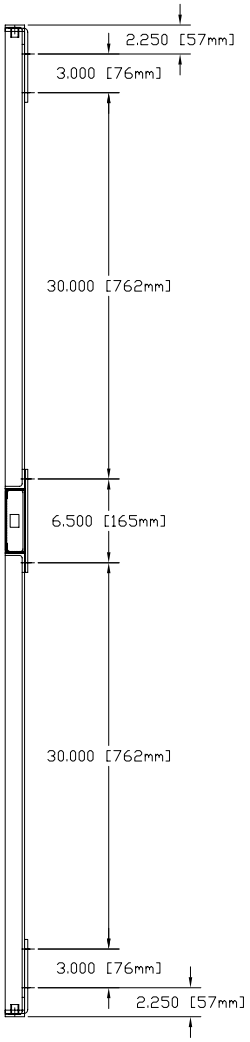
e = an equivalent finish to the BHMA standard.

ADA-compliant products

In compliance with the American National Standards Institute (ANSI A117.1) and the Americans with Disabilities Act (ADA), Schlage Lock Company offers a wide selection of locks designed for the needs of the physically challenged. This act is designed to provide protection for people with disabilities.

Product information and specifications contained in this catalog are subject to change without notice. Please consult the factory.





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TOLERANCES UNLESS OTHERWISE NOTED:
FRACTIONS: ± 1/64"
DECIMALS: ± .005
ANGLES: ± 1/2°

HAMILTON Products Group, Inc.

PLOT SCALE: 1.000" = 15.000"	MATERIAL:	DRAWN BY: B.DETHERAGE
ACTUAL SCALE: 1.000" = 1.000"		BEND ALLOWANCE:

TITLE: CLASS 5 VAULT DOOR DAYGATE

DATE:	DRAWING NUMBER:	REVISION
10/17/01	CLS5DG	