



Specifications

MOSLER No. FS-4R OR FS-4L INSULATED FLAT SILL VAULT DOOR

DIMENSIONS

- WALL OPENING: See diagram on Page 4.
CLEAR DOOR OPENING: 78" high, 32" wide.
PROJECTION OF DOOR: 38 1/2" from finished wall when door is open 90°.
OVERALL DIMENSIONS: 85 1/2" high above finished floor level, 46 1/2" wide at front.

CONSTRUCTION

- SIDES, TOP AND BOTTOM OF VESTIBULE: 1/8" pressed steel channel.
FRONT FRAME: 4 1/2" x 3/8" rolled steel.
REAR FRAME: 1/8" pressed steel channel, approximately 4 3/8" x 3 1/4".
DOOR SILL: 8" by 1" channel, set flush with floor.
OUTER DOOR PLATE: 1/8" rolled steel.
DOOR THICKNESS: 4 5/8" overall.
INSULATION: Mosler patented Monolithic fire-resistant material in door and jambs.
BAFFLES: Introduced in door jambs, designed to prevent penetration of heat.
VALVE DOOR: Additional insulation over boltwork, mounted on fusible studs, thermostatically controlled, designed to automatically seal opening at inner frame when temperature reaches approximately 165° F.
HINGES: Three. Heavy rolled steel.
ASSEMBLY: All joints electric or gas welded.

BOLTWORK

- BOLTS: Five: 3/4" in diameter, operating four front and one to top, with interlocking tongue and groove at top, front and rear.
BOLT FRAMES: Reinforced pressed steel.
HANDLE: Lever handle with black octagonal bakelite grip.
LOCK: Mosler three-tumbler, hand-change, bronze-case combination lock capable of 1,000,000 changes of combination. Spindle shouldered against lock plate to prevent driving. Two hard pins in spindle to prevent drilling. Entire locking mechanism guarded by 1/4" drill-resisting plate.
RELOCKING DEVICE: Underwriters' Laboratories approved device for operation in case of mechanical, explosive or torch attack on lock. In case of torch attack, device designed to function at approximately 165° F.
EMERGENCY ESCAPE DEVICE: Inside handle, a turn of which will permit immediate escape of anyone locked in the vault.
LABELS: Underwriters' Laboratories label for four-hour fire exposure. Underwriters' Laboratories relocking device label, accomplishing a 10 per cent discount in burglary insurance rate. Safe Manufacturers' National Association label for four-hour fire exposure.
FINISH: Mosler standard wrinkle green, ornamented with gold striping. Jambs smooth green. Hinge tips, combination dial knob, rim and exposed portion of bolt handle, heavily nickel-plated. Numbers on combination dial in white against black enamel surface.
NET WEIGHT: Approximately 975 pounds.

ARCHITECT'S SPECIFICATIONS

For Four-Hour Insulated Vault Door

The contractor shall furnish and install..... Insulated Flat Sill Fire-resistant Vault Door(s) with hinges on..... side when facing front of door from outside of vault and Underwriters' Laboratories relocking device label and Safe Manufacturers' National Association label for four-hour door. Relocking device shall be designed to function under mechanical, explosive or torch attack.

Clear door opening shall be 78" high by 32" wide. The door shall have 3/8" outer door plate welded to jambs and shall be insulated with Monolithic fire-resistant material. Baffles in door designed to prevent penetration of heat. In addition, the door shall be equipped with at least 1/2" insulation over boltwork, mounted on fusible studs, thermostatically controlled, to automatically seal opening at door frame when temperature reaches approximately 165° F. The door shall be equipped with five 3/4" diameter bolts, operating four to the front, and one to the top, with interlocking tongue and groove at top, front and rear, checked by three-tumbler, hand-changed, bronze-case combination lock, with spindle shouldered against lock plate to prevent driving, and two hard pins in spindle to prevent drilling. Entire locking mechanism to be guarded by 1/4" drill-resisting plate. The door shall be equipped with Emergency Escape Device, having auxiliary inside handle, a turn of which will permit immediate escape of anyone locked in the vault. The door shall be finished in wrinkle green, neatly ornamented with gold striping and nickel trim. Jambs smooth green.