

Part 1 General

1.1 REFERENCES

- .1 The Aluminum Association Inc. (AAI)
 - .1 Designation System for Aluminum Finishes -2003.
- .2 American Society for Testing and Materials International (ASTM)
 - .1 ASTM A167-[99(2004)], Standard Specification for Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet, and Strip.
- .3 Health Canada/Workplace Hazardous Materials Information System (WHMIS)
 - .1 Material Safety Data Sheets (MSDS).

1.2 ACTION AND INFORMATIONAL SUBMITTALS

- .1 Provide shop drawings: in accordance with Section 01 33 00 – Shop Drawings, Product Data and Samples.
 - .1 Indicate each type of vault door and frame, compliance to requirements of regulatory agencies, installation details and finish.
- .2 Quality Control Submittals:
 - .1 Manufacturer's Instructions: manufacturer's installation instructions.
 - .2 Manufacturer's Field Reports: manufacturer's field reports specified.

1.3 QUALITY ASSURANCE

- .1 Regulatory Requirements:
 - .1 Vault doors and frames: certified by a Canadian Certification Organization accredited by Standards Council of Canada.

1.4 DELIVERY, STORAGE AND HANDLING

- .1 Deliver, store and handle materials in accordance with Section 01 61 10 - Product Requirements.
- .2 Waste Management and Disposal:
 - .1 Separate waste materials In accordance with Section 01 74 19 - Waste Management and Disposal.

Part 2 Products

2.1 ACCESS DOOR

Furnish and install where indicated on plans vault access door clear opening size: width 762mm x length 762mm. Length denotes hinge side. The vault access door shall be single leaf. The vault access door shall be pre-assembled from the manufacturer.

- .1 Performance characteristics:
 - .1 Shall be reinforced to support a minimum live load of 105 psf (513 kg/m2).

- .2 Operation of the cover shall be smooth and easy with controlled operation throughout the entire arc of opening and closing. Operation of the cover shall not be affected by temperature.
 - .3 Entire door, including all hardware components, shall be highly corrosion resistant.
 - .4 Cover: Shall be 1/8" (3 mm) aluminum diamond pattern.
 - .5 Frame: Shall be 1/4" x 3" x 3" (6.4mm x 76mm x 76mm) angle frame with internal mounting flange and 7/16" (11mm) diameter anchor holes.
 - .6 Gasket: A heavy extruded EPDM rubber gasket shall be permanently adhered to the cover.
 - .7 Hinges: Shall be heavy duty Type 316 stainless steel pintle hinges with 3/8" (9.5mm) Type 316 stainless steel hinge pins.
 - .8 Lifting Mechanism: Manufacturer shall provide a gas strut lifting mechanism with a powder-coat finish to provide smooth, easy, and controlled cover operation throughout the entire arc of opening and to act as a check in retarding downward motion of the cover when closing.
 - .9 A removable exterior turn/lift handle with a spring loaded ball detent shall be provided to open the cover and the latch release shall be protected by a flush, gasketed, removable screw plug.
- .2 Hardware:
- .1 Cover shall be equipped with an aluminum hold open arm that automatically locks the cover in the open position.
 - .2 A Type 316 stainless steel snap lock with fixed handle shall be mounted on the underside of the cover.
 - .3 Hardware: Gas strut has a powder coat finish. All other hardware to be Type 316 stainless steel unless otherwise specified.
 - .4 Factory finish shall be mill finish aluminum.

Part 3 Execution

3.1 MANUFACTURER'S INSTRUCTIONS

- .1 Compliance: comply with manufacturer's written recommendations or specifications, including product technical bulletins, handling, storage and installation instructions, and datasheets.

3.2 INSTALLATION

- .1 Protect existing finishes during installation.
- .2 Install vault doors and frames in accordance with manufacturer's printed instructions.
- .3 Make good finished surfaces damaged during shipment or installation.
- .4 Adjust operable parts for correct function.

3.3 FIELD QUALITY CONTROL

- .1 Manufacturer's Field Services:
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- .1 Provide manufacturer's field services consisting of product use recommendations and periodic site visits for inspection of product installation in accordance with manufacturer's instructions.

END OF SECTION