

PART 1 - GENERAL

1.1 SUBMITTALS

- .1 Shop Drawings: Indicate each type of access doors, arrangement of hardware, operating mechanism and required clearances.
- .2 Maintenance Data: Provide operation and maintenance data for incorporation into Maintenance Manual.

PART 2 - PRODUCTS

2.1 MATERIALS

- .1 Aluminium Plates: 6061-T6 alloy, anodizing quality.
- .2 Aluminium Extrusions: 6063 alloy, T5 temper, anodizing quality.
- .3 Stainless Steel Sheet, Strip, Plate, and Flat Bars: ASTM A666, Type 304 or 316; with minimum sheet thickness indicated representing specified thickness in accordance with ASTM A480/A480M.
- .4 Fasteners: Manufacturer's standard to suit intended use, non-corrosive and compatible with in-contact metals.
- .5 Grout: Non shrink, non metallic, flowable, 24h, 15 MPa, pull out strength 7.9 MPa.

2.2 FLOOR DOORS

- .1 Specified Product: Single or double leaf access door to suit, flush mount, aluminium, capable to support 1464 kg/sq.m. (300 psf) live load, drainable, all stainless steel hardware, odour resistant.
- .2 Cover and Frame: Mill finished, diamond pattern reinforced aluminium cover plate, 6 mm thick exclusive of raised pattern, and 6 mm extruded aluminium channel frame with bend down anchor tabs and continuous EPDM perimeter gasket.
- .3 Lifting Mechanisms: Compression spring operators, controlling cover operation throughout the entire arc of cover upward motion and acting as a check in retarding cover downward motion when closing.

2.2 FLOOR DOORS
(Cont'd)

- .4 Turn and Lift Handle: Removable exterior turn/lift handle with a spring loaded ball detent and protected by a flush, gasketed, removable screw plug.
- .5 Hinges: Heavy stainless steel duty hinges, each having a minimum 6.3 mm diameter Type 316 stainless steel pin, maintain cover does not protrude into the channel frame.
- .6 Hold Open Arm: Equip cover with an hold open arm which automatically locks the cover in the open position.

PART 3 - EXECUTION

3.1 EXAMINATION

- .1 Verify dimensions and conditions of previously installed work, upon which this Section depends, and coordinate repairs, alterations, and rectification if necessary.
- .2 Obtain Consultant's written approval prior to field cutting or altering of structural members.

3.2 INSTALLATION

- .1 Install work level, true, square, straight, and accurate to sizes detailed, free from distortion or defects detrimental to appearance or performance.
- .2 Perform drilling of concrete as required to fasten work of this Section.
- .3 Grout work in concrete with non-shrink grout. Trowel surface smooth and flush with adjacent surfaces.
- .4 Insulate metals where necessary to prevent corrosion due to contact between dissimilar metals and between metals and concrete. Use bituminous paint, butyl tape, building paper or other approved means.