1.1 GENERAL

1.2 Related SFU Technical Requirements
   1. Section 07 00 10 Building Envelope – General Requirements
   2. Section 08 00 10 Openings – General Requirements
   3. Division 27

1.3 Co-ordination Requirements
   1. Coordinate Exterior Door Design with BEP
   2. Coordinate design with Division 26 - Electrical Consultant.
   3. Coordinate design with SFU IT
   4. Coordinate design with SFU Facilities

1.4 Description
   1. Insulated metal doors (IMD), and pressed steel frames (PSF) and glazed screens.

1.5 Performance Standards
   1. BC Building Code, including Accessibility requirements.
   2. Canadian Steel Door Manufacturers Association (CSDMA), Recommended Specifications for Commercial Steel Doors and Frames.
   3. Fire-Rated Door Assemblies: CAN/ULC-S104-10 - Standard Method for Fire Tests of Door Assemblies; CAN/ULC-S105-09 - Standard Specification for Fire Door Frames Meeting the Performance Required by CAN4-S104; labeled and listed by ULC, cUL, Warnock Hersey, or other testing agency.
   4. NFPA 80 for installation of fire rated doors and frames.
   5. Doors shall be designed to have a 25-Year service life.

1.6 Submittals
   1. Shop drawings shall be submitted for doors.

2.1 MATERIALS

2.2 Prescriptive Requirements
   1. Materials
      1. Interior Doors: 18 gauge (1.2 mm), galv. to ZF075 wiped zinc coating, honeycomb structural core.
      2. Exterior Doors shall be 18 gauge (1.3 mm), galv. to Z275 (G90) zinc coating, insulated polyurethane insulation core.
      3. Interior Frames shall be 16 gauge (1.5 mm), galv. to ZF075 wiped zinc coating; galvanizing on anchors to match frames.
      4. Exterior Frames shall be 16 gauge (1.6 mm), galv. to Z275 (G90) zinc coating, galvanizing on anchors to match frames.
      5. Hollow doors are not allowed on campus.
.2 Components
   .1 Design aspects
      .1 Standard and minimum door size shall be 915 mm x 2,134 mm x 44 mm (3'-0" x 7'-0" x 1 3/4").
      .2 Maximum door height: 2,134 mm (7'-0").
      .3 Glazed doors shall provide stile width 152 mm (6") typical, 127 mm (5") minimum.
      .4 Avoid double doors whenever possible where security is a requirement; provide lockable removable mullions at double doors where extra width is required such as for moving equipment, supplies, etc.
      .5 At glazed screens and sidelights shall provide 152 mm (6") high base to protect against damage from floor cleaning equipment, etc.
      .6 Interior doors should have a doorlite or sidelite for personal security.
      .7 Provide electrical pathways to mid hinge, strike and header of frames for future electrification of openings. Must include pull string to each pathway.
      .8 Glazed doors must have styles and rails. No glazed doors with only top and bottom rails or patch hardware.
      .9 Doors must have mid-rails if equipped with exit devices.

   .2 Provide back boxes.

   .3 Finishes
      .1 Finish paint coat must be applied before final hardware install.

   .4 Fabrication
      .1 Frames to be fully-welded (knock-down frames are acceptable only by special SFU Facilities approval).

   .5 Coordination
      .1 For security reasons from within a building, EXIT alarms may be required on certain Exit-Only doors.

***END OF SECTION***