1. **GENERAL**
   1. **Summary of BCIT Requirements**
      1. Description of aluminum entrances and storefronts.
   2. **Related BCIT Guidelines**
      1. Section 08 00 10 Openings – General Requirements.
      2. Divisions 27 (ITS) and 28 (SSEM).
2. **ADMINISTRATIVE AND SUBMITTAL REQUIREMENTS**
   1. **Description**
      1. Exterior aluminum type framing systems: Only use storefront in protected areas under overhangs or canopies. In all other locations curtain wall is required. Ensure entire system meets energy code requirements if used on exterior.
   2. **Performance Requirements**
      1. Storefront systems to be avoided in exterior applications. If used, must have suitable overhang and weather protection. Meet energy code requirements.
      2. Self-draining curtain wall systems be selected for installation on exposed walls with no overhangs.
      3. Water Tightness rating for windows to be selected based upon exposure to elements related to location on the façade and site conditions. Use the NAFS Canadian supplement.
      4. Framing systems to be thermally broken.
      5. Service Life for Exterior Doors:
         1. Minimum 50-Year service life.
      6. Service Life for Interior Doors:
         1. Minimum 25-Year service life.
      7. Coordination:
         1. For security reasons from within a building, EXIT alarms may be required on certain Exit-Only doors.
3. **QUALITY ASSURANCE**
   1. **Quality Control and Assurance**
      1. Quality Control:
         1. BCIT will appoint and pay for an independent inspection agency to conduct field testing for water penetration, air leakage and pressure equalization.
         2. Initial field test at any given location shall be paid by BCIT. Cost of re-testing to verify corrected work shall be paid by Contractor.
         3. Contractor is responsible to provide test chambers and ensure adequate power and water supply.
      2. Warranties:
         1. Prove 5-Year warranty for system.
4. **MATERIALS**
   1. **Prescriptive Requirements**
      1. Materials:
         1. Preferred Systems:
            1. Kawneer 451T storefront section or approved equivalent is acceptable in protected locations only.
            2. Doors: Kawneer 500 wide stile (or equivalent).
         2. Use of floor checks, pivots, concealed closers, in-floor power operators and/or concealed exit devices is not permitted.
         3. Install overhead stops, wall stops, or floor stops where required to prevent damage from door contacting wall, another door, and provide controlled swing/stop.
      2. Finishes:
         1. Finishing Products:
            1. Thermosetting enamel coating meeting the requirements of AAMA 603.8.
            2. Thermosetting fluropolymer two coat meeting the requirements of AAMA 605.2.
            3. Clear anodized coating to conform to AAMA Class II.
            4. All other coloured anodized coating to conform to AAMA Class I.
5. **EXECUTION**
   1. **Preparation**
      1. Before Installation:
         1. At exterior locations, ensure that a waterproofed sill pan membrane with back angle (or equivalent) is installed to drain to exterior, over the entire perimeter of the opening over which the framing system is to be installed.

\*\*\* END OF **ALUMINUM FRAMED ENTRANCES AND STOREFRONTS** SECTION \*\*\*