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**1 GENERAL**

**1.1 General Requirements**

- .1 All requirements of the Contract apply to and govern all work of this Section.
- .2 Comply with the requirements of Division 1.

**1.2 Related Work Specified in Other Sections**

- .1 Wood Doors Section 08 14 00

**1.3 Standards Referred to in this Section**

- .1 American Society for Testing and Materials International, (ASTM).
  - .1 ASTM C542-05(2011), Specification for Lock-Strip Gaskets.
  - .2 ASTM D2240-05(2010), Test Method for Rubber Property - Durometer Hardness.
- .2 Canadian General Standards Board (CGSB).
  - .1 CAN/CGSB 12.1-M90, Tempered or Laminated Safety Glass.
- .3 Flat Glass Manufacturers Association (FGMA).
  - .1 FGMA Glazing Manual - 1990.

**1.4 Quality Assurance and Extended Guarantees**

- .1 No specific requirements.

**1.5 Specific Handling and Transportation Requirements**

- .1 No specific requirements.

**1.6 Submittals**

- .1 Product Data
  - .1 Submit manufacturer's printed product literature, specifications and data sheet in accordance with Section 01 33 00 - Submittal Procedures.
  - .2 Submit two copies of WHMIS MSDS - Material Safety Data Sheets in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Shop Drawings: Not required.
- .3 Samples: Not required.

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**1.7 Closeout Submittals**

- .1 Maintenance Data and Materials
  - .1 Provide maintenance data including cleaning instructions for incorporation into manual specified in Section 01 78 00 - Closeout Submittals.
  - .2 Provide schedule of glazing sizes for replacement for incorporation into the manual specified in Section 01 78 00 - Closeout Submittals.

**1.8 Specific Environmental Requirements**

- .1 No specific requirements.

**1.9 Specific Protection Requirements**

- .1 No specific requirements.

**2 PRODUCTS**

**2.1 Materials: Flat Glass**

- .1 Safety glass: to CAN/CGSB 12.1, transparent, 12 mm thick, Type 1-laminated, tempered, Class B float, Category 1, beveled edges where exposed, square edges where concealed.
- .2 Safety glass: to CAN/CGSB-12.1 transparent, 6 mm thick , type 2 tempered, Class B float, Catagory 1, bevelled edges where exposed, square edges where concealed.

**2.2 Acrylic**

- .1 Clear acrylic sheet, 500 mm x lengths as needed and shown on drawings, 6 mm thick.

**2.3 Materials**

- .1 Sealant: Refer to Section 07 92 00.

**2.4 Accessories**

- .1 Setting blocks: Neoprene, 70-90 Shore A durometer hardness to ASTM D2240, length to suit glazing method, glass light weight and area.
- .2 Spacer shims: Neoprene 50-60 Shore A durometer hardness to ASTM D2240, 75 mm long x one half height of glazing stop x thickness to suit application. Self adhesive on one face.
- .3 Glazing tape
  - .1 Preformed butyl compound with integral resilient tube spacing device, 10-15 Shore A durometer hardness to ASTM D2240; coiled on release paper; size to suit application; black colour.

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- .4 Glazing splines: resilient silicone, extruded shape to suit glazing channel retaining slot, black colour.
  - .5 Glazing clips: manufacturer's standard type.
  - .6 Lock-strip gaskets: to ASTM C542.
  - .7 Aluminum U-track; 19 x 19 mm x lengths required and as shown on the drawings, clear anodized finish.

### **3 EXECUTION**

#### **3.1 Manufacturer's Instructions**

- .1 Comply with manufacturer's written data, including product technical bulletins, product catalogue installation instructions, product carton installation instructions, and data sheets.

#### **3.2 Examination**

- .1 Verify that openings for glazing are correctly sized and within tolerance.
- .2 Verify that surfaces of glazing channels or recesses are clean, free of obstructions, and ready to receive glazing.

#### **3.3 Installation: Interior - Dry Method (Tape and Tape)**

- .1 Perform work in accordance with FGMA Glazing Manual for glazing installation methods.
- .2 Cut glazing tape to length and set against permanent stops, projecting 1.6 mm above sight line.
- .3 Place setting blocks at 1/4 points, with edge block maximum 150 mm from corners.
- .4 Rest glazing on setting blocks and push against tape for full contact at perimeter of light or unit.
- .5 Place glazing tape on free perimeter of glazing in same manner described.
- .6 Install removable stop without displacement of tape. Exert pressure on tape for full continuous contact.
- .7 Knife trim protruding tape.
- .8 Install guard rail glazing with all clips and retainers as required to match existings.

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**3.4 Installation: Smoke Baffles**

- .1 Install concealed backing where required in gypsum board ceiling to anchor U-track.
- .2 Install U-track as shown in the drawings
- .3 Install acrylic sheet, top hung only, with concealed fasteners
- .4 secure joints with silicone sealant.

**3.5 Installation: Guardrail glazing**

- .1 Install glazing to existing ballusters with pads, neoprene spacers to match existing.

**3.6 Cleaning**

- .1 Perform cleaning after installation to remove construction and accumulated environmental dirt.
- .2 Remove traces of primer, caulking.
- .3 Remove glazing materials from finish surfaces.
- .4 Remove labels after work is complete.
- .5 Clean glass and mirrors using approved non-abrasive cleaner in accordance with manufacture's instructions.
- .6 Upon completion of installation, remove surplus materials, rubbish, tools and equipment barriers.

**3.7 Protection of Finished Work**

- .1 After installation, mark light with an "X" by using removable plastic tape or paste.

**END OF SECTION**