SECTION 10 28 19.16 – framed shower doors

1. General
   1. summary
      1. This Section includes supply and installation of glazed shower doors and side panels.
   2. SUBMITTALS
      1. Action Submittals:
         1. Product Data: Submit manufacturer's specifications and installation instructions.
         2. Shop Drawings: Submit complete shop drawings for fabrication and erection, including plans, elevations, and large-scale details of typical sections and connections.
         3. Samples: Submit 150mm (6") long sections of extrusions with specified finish.
   3. QUALITY ASSURANCE
      1. Installer's Qualifications: A company regularly engaged in installation of products specified in this Section, with a minimum of five (5) years of experience.
   4. DELIVERY, STORAGE, AND HANDLING
      1. General: Comply with manufacturer's instructions to prevent damage to products.
      2. Pack and otherwise protect products to avoid damage during shipping and handling.
      3. Store products in manufacturer's original shipping containers.
   5. FIELD CONDITIONS
      1. Field Measurements:
         1. Verify actual dimensions of other construction by accurate field measurements before fabrication of shower doors; and indicate measurements on final shop drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
         2. Locate concealed framing, blocking, and reinforcements that support shower doors by field measurements before being enclosed and indicate measurements on shop drawings.
2. Products
   1. MANUFACTURERs
      1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
         1. American Shower Door, Inc.
         2. Ace Shower Door Co., Inc.
         3. Bentemp North American Glass, Div. Old Castle Glass.
         4. Century Shower Door, Inc.
         5. Cesana America, Inc.
         6. Duschqueen, Inc.
         7. G. M. Ketcham Company, Inc.
         8. Keystone Shower Door, Marchand Division/KSD Industries.
   2. MANUFACTURED UNITS
      1. Shower Doors and Panels: Pre-glazed swinging doors and side panels.
         1. See Drawings for profiles, dimensions, and arrangement of members.
         2. Metal components: Brushed nickel plated.
      2. Glazing:
         1. Type: Clear tempered glass.
         2. Glazing Method: Resilient gasket glazed.
      3. Hardware:
         1. Manufacturer's standard units for the following:
            1. Door Pull: MT Series 6" Pull x 18" Tower Bar Combination Handle; Model MT6X18.
            2. Hinges: 1-1/2 Pair Geneva Wall Hinges; Model GEN037.
            3. Catches: Full length magnetic type.

SPEC NOTE: Modify the finish below to reflect project requirements.

* + - 1. Finish: Brushed nickel to match metal components, unless otherwise indicated on the Drawings.
  1. MATERIALS
     1. Glass Materials (GL#): Clear tempered glass complying with ASTM C 1048, fully tempered, Type I (transparent glass, flat), Class 1 (clear), and Quality q3 (glazing select).
        1. Thickness: 6mm (1/4").
        2. Tong marks are not permitted on any piece.
     2. Glazing Gaskets: Flexible vinyl or other resilient type recommended by manufacturer to provide a watertight glazing seal.
     3. Fasteners: Of same basic metal and alloy as metal to be fastened. Do not use metals which are corrosive or otherwise incompatible with metals to be joined.
        1. Provide concealed fasteners unless otherwise indicated.
        2. Provide countersunk Phillips flat-head screws where exposed fasteners are unavoidable; finish to match exposed metal components.
  2. FABRICATION
     1. General: Complete fabrication and assembly before shipping to Project site; arrange units in sizes suitable for shipping which fit together without further cutting.
     2. Pre-glaze assembly completely.
     3. Pre-cut and perform all finishing in factory or shop.
     4. Prepare exposed surfaces for finishing after fabrication; eliminate surface blemishes and imperfections.
     5. Frame Joints: Either concealed mechanically fastened or welded.
        1. Welding: Perform welding before finishing; use methods which do not discolor metal. Comply with CSA-W59 for recommended practices in shop welding.
        2. Mill and fit joints tightly with adjacent members in correct relationship.
        3. Corners: Mitered.
     6. Doors:
        1. Perform fabrication required for hardware before finishing.
        2. Factory-install all hardware except surface-mounted items.
     7. Avoid damage to finishes.

1. Execution
   1. EXAMINATION
      1. Inspect substrates and conditions under which the work of this section will be performed and verify that installation may properly commence.
      2. Do not proceed with the work until unsatisfactory conditions have been corrected.
   2. PREPARATION
      1. Comply with manufacturer's recommendations for proper preparation procedures.
      2. Clean substrates and remove substances detrimental to the work.
   3. INSTALLATION
      1. Comply with manufacturer's instructions, except where more stringent requirements are shown or specified, and except where project conditions require extra precautions or provisions to ensure satisfactory performance of the work.
      2. Install products plumb and level, square and true, and in correct location, anchor securely in place.
      3. Install surface-mounted hardware.
      4. Joint Sealers:
         1. Install joint sealers between sill members and construction below to provide watertight construction.
         2. Seal joints between shower door assembly perimeter and adjacent construction.
         3. Comply with Section 07 92 00 – Joint Sealants requirements for installation of joint sealers.
   4. ADJUSTING
      1. Adjust operating hardware for proper operation.
   5. CLEANING AND PROTECTION
      1. Upon completion, clean all surfaces using proper methods that will not scratch or otherwise damage finished surfaces.
         1. For cleaning, use only products and techniques acceptable to manufacturer of products being cleaned.
      2. Institute protective procedures and install protective materials as required to ensure that work of this Section will be without damage or deterioration at Substantial Completion.

END OF SECTION