

## **1780 SERIES BI-FOLD DOOR SPECIFICATION**

### **PART 1 - GENERAL**

#### **1.1 Work Included**

Furnish labour, materials and services for the complete fabrication of Series 1780 Bi-Fold Door manufactured by Commdoor Aluminum. Work to include all necessary hardware and accessories or preparation for same as required based on the purchase agreement.

#### **1.2 Design**

##### **1.2.1 Aluminum Door Types**

Commdoor Series 1780 is a bi-fold door guided by a single track with 2" (50.8mm) stiles and 2-1/4" (57.2mm) Top & Bottom rails.

##### **1.2.2 Door Glass Stop** [specify]

Single glazed for 1/4" (5 or 6mm) or 3/8" (9 or 10mm) glass.  
Sealed unit for 1" (25mm) units.

#### **1.3 Quality Assurance**

The door supplied under this specification is based upon Series 1780 manufactured by Commdoor Aluminum.

#### **1.4 Shop Drawings**

All work of this section shall be executed in strict accordance with approved shop drawings.

#### **1.5 Warranty**

The work of this section shall be guaranteed against defects of materials and workmanship for a period of one year from date of certificate of substantial completion.

### **PART 2 - PRODUCTS**

#### **2.1 Material**

##### **2.1.1 Aluminum Extrusion**

All extruded aluminum sections to be 6063-T6 alloy or equivalent.

##### **2.1.2 Glazing Material**

All extruded thermoplastic elastomers gasket.

##### **2.1.3 Fasteners**

Fasteners shall be zinc plated.

#### **2.2 Hardware**

##### **2.2.1 Locking Devices**

Euro style lock with [cylinder both sides] or [cylinder to exterior and thumb turn to

Interior]

### **2.2.2 Pull Handle**

Flush Pull Handle.

## **2.3 Fabrication**

Fabrication will be carried out according to the approved shop drawings. All joints will be welded using manufacturers assembly brackets to maintain the product design performance.

## **2.4 Finish**

### **2.4.1 Anodize**

Anodic Oxide Treatments are to be processed in accordance with AAMA designations.

M12C22A31 class II designation is for #17 Clear anodized finish (0.0004).

M12C22A41 class I designation is for #14 Clear Anodized finish (0.0007) and colour finishes such as #26 light bronze, #40 bronze and #29 black.

### **2.4.2 Paint**

Thermosetting Acrylic Enamel coating is to be applied in accordance with AAMA 2603. Specify colour and type from PPG standard charts.

### **2.4.3 Fluoropolymer paint Coating**

Based on Kynar 500 Resins are to be applied in accordance AAMA 2604 or 2605. Specify colour from Valspar current chart.

## **PART 3 - EXECUTION**

### **3.1 Protection**

Exposed aluminum surface shall be protected from long term contamination of mortar, concrete, paint, mud, etc. Doors and door frames shall be protected from impact damage by wood sheathing and plastic wraps.

### **3.2 Installation**

Commdoor Aluminum products to be installed according to manufacturer's instructions and in conjunction with approved shop drawings. The work shall be performed by qualified skilled personnel ensuring proper equipment provided in order to expedite the project in an efficient professional manner.

### **3.3 Cleaning**

Interim and final cleaning shall be performed in accordance with the general conditions listing methods outlined in AAMA 609 & 610-02 (2002).