

SPECIFICATION NOTE: This combined metric and imperial specification is written in accordance with Construction Specifications Canada (CSC) Three-Part Section Format. Square brackets [ ] indicate choice, alternatives, data required or need for the specifier to make a decision.

## **PART 1- GENERAL**

### **WORK IN-CLUDED**

Provide labour, materials and other services to complete the fabrication and installation of the privacy screen systems, including all materials and components required, in the manner, direction and performance shown on the shop drawings and specified herein.

### **QUALITY ASSURANCE**

Drawings and specification of this section are based on Privacy Screen Railings, manufactured by Cahill Commercial. Whenever alternative products are offered, submit supporting technical literature, samples, drawings and performance data for comparison 1 day prior to tender closing date. Work of this trade shall be executed by a company with a minimum of 5 years proven first class experience in this type of work, having adequate equipment and skilled personnel to expediently complete the job in an efficient and workmanlike manner.

### **SHOP DRAWINGS**

All work of this section shall be executed in strict accordance with engineered shop drawings. These shall be complete details of all conditions, construction and interfacing.

### **SAMPLES**

Submit one representative model and one cut-away corner sample of each type aluminum privacy screen sections.

### **SUPPORT**

Designed shop drawings will provide privacy screen systems that resist all wind loads as per Ontario Building Code. Railing Systems are also self-supported.

### **MAINTENANCE DATA**

Provide maintenance data for maintenance and cleaning in accordance with instructions under General Conditions.

### **WARRANTY**

The work of this division shall be guaranteed against defects of materials and workmanship for a period of 1 year following the date of delivery.

### **PROTECTION**

Protect adjacent surfaces from damage resulting from work of this trade.

## **PART2-PRODUCTS**

### **MATERIALS**

Aluminium broken sections of 6063-T5 alloy, minimum 1.6mm wall thickness. Posts sections of 6061-T6 alloy, minimum wall thickness of 2.0mm [COLOUR] [HEIGHT] [ANODIZATION]

### **FASTENERS**

Non-magnetic, stain and corrosion resistant stainless steel to ASTM E-149, class 304.

### **FABRICATION**

#### **GENERAL**

Fabricate entire privacy screen in a manner that will allow easy replacement of any defective, damaged or worn components, hardware or weather-stripping.

#### **FINISH**

Comply with Aluminum Association Designation System for Aluminum Finishes. Provide Clear anodized finish, designated [AA-A41 class I 18um (.0007")] [AA-A31 class 2 10um (.0004")] finish

OR

Provide AA-A44 [standard bronze} [light bronze] [black} Alumanodic II electrolytic anodized class I 18um (.0007") finish.

OR

Provide a factory applied thermosetting fluoropolymer coating in accordance with American Architectural Manufacturers Association specification AAMA 6052, to all exposed aluminum sections. Colour shall match... (Specifier provides color reference number).

## **PART 3 - EXECUTION**

### **PREPARATION**

Protect adjacent surfaces from damage resulting from work under this specification.

### **INSTALLATION**

All privacy screens shall be installed and adjusted by personnel having a minimum 5 years proven experience and in accordance with the manufacturer's instructions and approved shop drawings. All items in this section shall be set in their correct location and shall be set level, square plumb and at proper elevations and alignment with other work.

### **PROTECTION AND CLEANING**

Aluminum shall be isolated from concrete, mortar, plaster and dissimilar metals with bituminous paint or epoxy solution.

Framing shall be protected from other building materials during and after installation until acceptance by the General Contractor. Thereafter, it shall be the responsibility of the General Contractor to maintain protection and provide final cleaning.