

**FLOOR TO CEILING TOILET PARTITION SPECIFICATIONS  
(POWDER COATED WITH STAINLESS STEEL LOCKING BARS – ELITE PLUS)  
SECTION 10 21 13.13**

**PART 1            GENERAL**

**1.01            SUMMARY**

- A.            Section Includes  
Furnish, deliver and install all Toilet Partitions as indicated on the drawings and as required by actual conditions at the building. The Toilet Partitions shall include the furnishing of all necessary screws, special screws, bolts, special bolts, expansion shields and all other devices necessary for the proper installation and application of the Toilet Partitions.
- B.            Related Sections  
Section: 10500 Lockers  
Section: 10800 Washroom Accessories

**1.02            REFERENCES**

- A.            Standard  
All Toilet Partitions must be scheduled, supplied and installed in accordance with: Local Building Code, CGSB (Canadian Government Specifications Board), CSA (Canadian Standards Association), ANSI (American National Standards Institute), ADA (Americans with Disabilities Act). In all cases the above references shall be taken to mean the latest edition of that particular standard including all revisions.

**1.03            SUBMITTALS**

- A.            General Requirements  
Make all submittals in accordance with Section: 01300
- B.            Schedules  
1. Submit (4) copies of detailed shop drawings for the Consultant's/Owner's review within (2) weeks of being awarded this subcontract.
- C.            Product Data  
1. Submit (2) copies of product sheets and/or catalogue cuts, of all products listed in the shop drawings.

- D. Samples  
1. Upon request, a returnable sample of the Toilet Partitions shall be submitted to the Consultant/Owner for approval not later than (10) days after requested. All samples must be properly identified including: name of supplier, and name of manufacturer.
- E. Operations and Maintenance Data  
1. At completion of the job, furnish to the owner (2) copies of an Owners Operation and Maintenance Manual. The Manual shall consist of a hard cover three ring binder with the project name in the front. Include in the manual the following information: Maintenance instructions, Catalogue pages for each product, Name/Address and phone number of the Manufacturer and their Sales Agent, Copy of the final shop drawings.

**1.04** **QUALITY ASSURANCE**

- A. Substitutions  
1. Manufacturers and model number listed are to establish a standard of quality. Similar items by approved manufacturers that are equal in design, function, quality and finish may be accepted upon prior written approval from the Architect/Owner.  
  
2. All requests for acceptable substitutions must be made in writing and submitted to the Architect at least 14 days prior to tender closing. If requested, all requests for substitutions must be accompanied by product literature and actual product samples.
- B. Supplier Qualifications  
1. Toilet Partition shop drawings and Toilet Partitions shall be procured from a source of supply approved by the Consultant/Owner/Architect. Supplier is responsible for the complete Toilet Partition subcontract.

**1.05** **DELIVERY, STORAGE AND HANDLING**

- A. Marking and Packaging  
1. Toilet Partitions must be delivered to the job site in the manufacturers' original packages and marked to correspond with the approved shop drawings.
- B. Delivery  
1. Toilet Partitions must be delivered in an amount of time deemed appropriate by the Consultant/Owner.

**1.06** **WARRANTY**

- A. Written Guarantee  
1. The Toilet Partition manufacturer shall guarantee all Toilet Partitions by written certification, for a period of (3) years from date of certified substantial performance of the project, against any defects in design, materials and workmanship. Any defects as described will be made good by the manufacturer at no additional cost to the owner.

**1.07** **MAINTENANCE**

- A. Maintenance  
1. Upon request, at completion of the project, the Toilet Partition supplier may be required to brief Owner's maintenance staff regarding proper care of Toilet Partitions, such as: required lubrications, adjustments, cleaning, etc.

## **PART 2**

## **PRODUCTS**

### **2.01**

### **MANUFACTURERS**

- A. Approved Manufacturers  
Only those manufacturers names and product numbers listed herein, are approved for use on this project. All other manufacturers must request approval as per section (1.04 - A - Substitutions). Absolutely no variations from listed and preapproved items will be permitted.

Approved manufacturer(s):

1. Hadrian Manufacturing Inc.

### **2.02**

### **MATERIALS**

- A. Construction: Doors, Panels and Pilasters shall be constructed of two sheets of panel flatness zinc-coated steel, Galvanneal ASTM A653 GR33, laminated under pressure to a honeycomb core for sound deadening and rigidity. Formed edges to be welded together and inter-locked under tension with a brushed stainless steel roll-formed oval crown locking bar, mitred, welded and ground smooth at the corners. Honeycomb to have a maximum 25mm (1") cell size.
- B. Doors: Shall be 25mm (1") thick with cover sheets not less than 22-gauge (0.8mm). All doors are 1829mm (72") high and are powder coated with brushed stainless steel locking bars.
- C. Panels: Shall be 25mm (1") thick with cover sheets not less than 22-gauge (0.8mm). All panels are 1829mm (72") high and are powder coated with brushed stainless steel locking bars. Maximum panel depth is 1473mm (58").
- D. Pilasters: Shall be 32mm (1.25") thick with cover sheets not less than 18-gauge (1.2mm). Pilasters are powder coated with brushed stainless steel locking bars.
- E. Headrail: Shall be 25mm (1") by 41mm (1.625") extruded anodized aluminum with double-ridge anti-grip design. Wall thickness to be 1.5mm (0.060") and shall be securely attached to wall and pilasters with manufacturer's fittings in such a way as to make a strong and rigid installation. All joints in headrails shall be made at pilaster.

- F. Hardware and Fittings: All panel-to-pilaster, panel-to-wall and pilaster-to-wall connections shall be made with full height continuous channels. All door hardware shall be chrome plated zinc die castings. Fasteners are zinc plated 12 x 1-3/4" and 12 x 5/8" TR-27 6-lobe security screws. Doors shall be equipped with a gravity type hinge mounted on the lower pilaster hinge bracket. Door hinges shall be wrap-around style and adjustable to permit the door to rest at any position when not latched. Each door to be fitted with a combined coat hook and bumper and a concealed latch, with face mortised flush with edge strip of door. Barrier-free doors shall include thumbturn lever to activate latch without fingertip grip application. Both standard and barrier-free latches shall have a turn slot designed to allow emergency access from exterior. The combined full length extruded aluminum door stop and keeper shall have a 1/4" wide continuous rubber bumper locked in place the length of the stop. To cover the sightline gap at door hinge side, full length extruded aluminum filler channel shall be provided. The "no sightline" continuous stop and hinge filler shall be powder coated to match door and pilaster finish. Threaded upper hinge pin shall have a metal core and self-lubricating nylon sleeve to ensure smooth, quiet operation. Pilaster shoes shall be a welded one-piece design made from polished stainless steel. Two-piece shoes that can disassemble when kicked are unacceptable.

### **2.03** **FINISH**

- A. All sheet metal to be thoroughly cleaned, phosphated and finished with a high performance powder coating, electrostatically applied and oven cured to provide a uniform, smooth protective finish. Color shall be selected from Hadrian's color card.

## **PART 3** **EXECUTION**

### **3.01** **EXAMINATION**

- A. Site Preparation
1. The contractor must examine all site conditions that would prevent the proper application and installation of Toilet Partitions. Any defect must be immediately identified and corrected, prior to the installation of the Toilet Partitions.

### **3.02** **INSTALLATION**

- A. Mounting
1. All Toilet Partitions must be mounted according Manufacturers' standard locations and those specified on the drawings.
  2. FLOOR CONNECTION: Pilasters shall be securely and rigidly fastened to the floor and fitted with a jack levelling screw for vertical adjustment. The floor fastening shall be concealed and protected by a 102mm (4") high, die- formed stainless steel pilaster shoe.
  3. CEILING CONNECTION: Pilasters shall be rigidly fastened to structural steel or pre-cast concrete supporting member (Note: wood support is not acceptable) by means of two heavy hanging studs permitting vertical adjustment between bottom of supporting member and finished ceiling line. Manufacturer supplied ceiling studs MUST be used to create a secure installation. The top connection shall be concealed by a 102mm (4") high, die-formed stainless steel pilaster shoe. NOTE: The specification does not include the supplying, installing, drilling or tapping of any of the structural members required in the ceiling for the support of these units. Only the studs are supplied for installation by others.

### **3.03** **FIELD QUALITY CONTROL**

- A. Inspection
1. After installation has been completed, provide for a site inspection of all Toilet Partitions to determine that all items have been supplied and installed as per the enclosed details. Also, check the operation and adjustment of all Toilet Partitions. Any discrepancies, or malfunctioning product, must be reported to the Architect immediately.

**3.04**

**ADJUSTMENT AND CLEANING**

A.

Final Preparation

1. At final completion, Toilet Partitions shall be left clean and free from disfigurement. Make all final adjustments. Where Toilet Partitions are found defective, repair or replace or otherwise correct as directed.

**3.05**

**PROTECTION**

A.

Site Protection

1. The Contractor must provide for the proper protection of all Toilet Partitions until the owner accepts the project as complete.

**3.06**

**TOILET PARTITION SCHEDULE**

A.

Schedule

1. Provide Toilet Partitions as specified in all above sections and as per the detailed Architectural Drawings.

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