
Part 1 GENERAL

1.1 SECTION INCLUDES

1. Standard Embossed Stainless Steel Toilet Partitions:

1. Ceiling hung partitions.
2. Wall mounted urinal screens.

1.2 REFERENCES

1. Local Building Code
2. CGSB (Canadian Government Specifications Board)
3. CSA (Canadian Standards Association)
4. ANSI (American National Standards Institute)
5. ADA (Americans with Disabilities Act)

1.4 SUBMITTALS

1. Submit under provisions of Section 01 30 00.
2. Product Data: Manufacturer's data sheets on each product to be used, including:
 1. Preparation instructions and recommendations.
 2. Storage and handling requirements and recommendations.
 3. Installation methods.
3. Shop Drawings: Show layout, door swings, clearance to fixtures, hardware, and methods of anchoring.
4. Selection Samples: For each finish product specified, two complete sets of sample chips representing manufacturer's full range of available colors, embossed pattern and patterns.
5. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square, representing actual product, color, and patterns.
6. Operations and Maintenance Data: At completion of the project, furnish to the Owner two (2) copies of an Owner's Operation and Maintenance Manual.

1.5 QUALITY ASSURANCE

1. Mock-Up: Upon request, provide a mock-up for evaluation of surface preparation techniques and application workmanship.
 1. Finish areas designated by Architect.
 2. Do not proceed with remaining work until workmanship, embossed pattern, color, and sheen are approved by Architect.
 3. Refinish mock-up area as required to produce acceptable work.

1.6 DELIVERY, STORAGE, AND HANDLING

1. Mark packaging with numbering or nomenclature used on shop drawings.
2. Store products in manufacturer's unopened packaging until ready for installation.

1.7 PROJECT CONDITIONS

1. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits. 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.

1.8 WARRANTY

1. The toilet partition manufacturer shall guarantee all stainless steel toilet partitions by written certification, for a period of 5 years from date of receipt by owner, against defects in material and workmanship.

Part 2 PRODUCTS

2.1 MANUFACTURERS

1. Acceptable Manufacturer: Hadrian Manufacturing Inc., 965 Syscon Road, Burlington, Ontario L7L 5S3 Tel: 905-333-0300 Fax: 905-333-1841; Email: request info (mailto:mail@hadrian-inc.com); Web: www.hadrian-inc.com
2. Substitutions: Not permitted.
3. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00; include the following with request for substitution:
 1. Product Data and finish sample submittals as described under Submittals.
 2. Full-size sample of partition, which will be returned to manufacturer.

2.2 METAL COMPARTMENTS AND SCREENS

1. Construction: Doors, Panels and Pilasters shall be constructed of two sheets of type 304, Embossed stainless steel with 5WL® pattern, laminated under pressure to a "vertical" (1/2") honeycomb core for impact resistance, rigidity and sound deadening. Formed edges to be welded together and interlocked, under tension, with a roll-formed oval crown stainless steel locking bar, mitred, welded and ground smooth at the corners. Honeycomb to be of virgin, long fiber paper with a maximum 12.5mm (1/2") cell size.
2. Doors: Shall be 25mm (1") thick with cover sheets not less than 22-gauge (0.8mm).

3. Panels: Shall be 25mm (1") thick with cover sheets not less than 22-gauge (0.8mm).
4. Pilasters: Shall be 32mm (1.25") thick with cover sheets not less than 22-gauge (0.8mm). Pilaster tops shall be reinforced with a 20-gauge channel to create extra strength and twist-free rigidity along with minimizing damage by handling and/or shipping.
5. 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.
6. Hardware and Fittings: All panel and pilaster brackets and all door hardware shall be chrome plated zinc die castings, standard. Fasteners are 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. Doors shall be equipped with a gravity type hinge mounted on the lower pilaster hinge bracket. Door hinges shall be the wraparound type and adjustable to permit the door to come 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 stop and keeper shall have a 19mm (0.75") diameter bumper locked in place. 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.

Stainless Steel Hardware Option:

- All pilaster, panel and screen brackets are stamped stainless steel, #4 brushed finish.
- All door wrap around hinge brackets are cast stainless steel, #4 brushed finish.
- All 12 x 1-3/4" & 12 x 5/8" TR-27 6-lobe security screws are stainless steel, #4 brushed finish.
- All pilaster shoes are stainless steel, #4 brushed finish.
- All inner, barrier free inner, outer, door pulls, stop and keepers, coat hooks and door castings are standard zinc die castings, #4 brushed finish.
- All other components not outlined here are standard Hadrian hardware items.

2.3 FINISH

1. Type 304, Embossed stainless steel with 5WL pattern.

Toilet Compartments: Headrail braced.

1. Compartment Depth and Width: As indicated on drawings.
2. Door Width: 23 inches (610 mm), minimum; at wheelchair accessible

- compartments, 36 inches (915 mm), minimum.
- 3. Door and Panel Type:
Style: Elite (64 inches / 1626 mm high doors and panels).
- 4. Doors and Panels:
Top of door at 77.5 inches (1968mm) and top of panels at 81.5 inches (2070mm).
Bottom at 12 inches (305 mm) above finished floor.
- 5. Pilaster Width: As required to fit space; minimum 3 inches (76 mm).
- 6. Pilaster Height: 81.5 inches (2070 mm).
- 2. Urinal Screens: Wall mounted.
 - 1. Depth: 18 inches (457 mm).
 - 2. Height: 42 inches (1067 mm).
 - 3. Mounting: Full length T-shaped bracket with 3 inches (75 mm) wide mounting surface and 4 inches (102 mm) deep flange anchored into panel core; finish to match panels; attached with concrete anchors; only available for 18 inches (457mm) and 24 inches (610mm) deep screens.
- 3. For panel-to-pilaster connections provide U-type brackets: 1-3/8 inches (35mm) deep.
 - 1. Material: Stamped stainless steel, No.4 brushed finish.
 - 2. Fasteners: Stainless steel.
- 4. Full-Height Continuous Channels:
 - 1. Depth of Channel: 1 inch (25 mm).
 - 2. Material: #4 brushed stainless steel.
- 5. Headrail: Extruded aluminum, double-ridge anti-grip design, anodized finish, 1 by 1-5/8 inches (25 by 41 mm) with 0.060 inch (1.5 mm) wall thickness; attached to wall and pilasters with manufacturer's standard fittings; joints must occur at pilaster.
- 6. Pilaster Shoes: Stainless steel, 4 inches (102 mm) high, one-piece welded design.
 - 1. Finish: No.4 brushed.
- 7. Door Hinges:
 - 1. Continuous Hinges:
 - 1. Stainless Steel: 16-gauge (1.5 mm), full-height continuous piano hinge, No. 4 brushed stainless steel finish, with a stainless steel hinge pin.
- 8. Hinge Side Gap Filler:
 - 1. Hinge Side Gap Filler:
 - 2. Extruded aluminum channel fills the sightline gap between the door and pilaster; finished to match door and pilaster finish.

9. Stop and Keepers:
 1. Combined stop and keeper with 3/4 inch (19 mm) diameter bumper locked into place.
10. Door Latches: Concealed, mortised turn latch with face plate flush with edge face of door; exterior turn slot for emergency access.
 1. On wheelchair access doors provide turn lever that does not require fingertip grip.
 2. Material: Cast stainless steel, No.4 brushed finish.
11. Hooks: Combination hook and bumper; rubber tip; one on each door.
 1. Material: Cast stainless steel, No.4 brushed finish.
12. Door Pulls for Outswinging Doors: Pulls mounted on outside.
 1. Material: Cast stainless steel, No.4 brushed finish.
13. Door Stops for Outswinging Doors: Stops mounted on wall to stop swing.
 1. Material: Cast stainless steel, No.4 brushed finish.
14. Fasteners: Provide fasteners of type appropriate to members being fastened and substrate to which they are being fastened.

PART 3 EXECUTION

3.1 EXAMINATION

1. Do not begin installation until substrates have been properly prepared. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

1. Clean surfaces thoroughly prior to installation.

Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

1. Install in accordance with manufacturer's instructions in locations indicated on drawings.
2. Adjust hardware for proper operation of doors.

3.4 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. Check the operation and adjustment of all Toilet Partitions. Any discrepancies, or malfunctioning product, must be reported to the Architect immediately.

3.5 PROTECTION

1. Protect installed products until completion of project.
2. 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. Touch-up, repair or replace damaged products before Substantial Completion.

End of Section 10 21 13