
Part 1 General

1.1 RELATED DOCUMENTS

- .1 Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY OF WORK

- .1 Work Included: The work of this Section includes the provision of all labour, materials, equipment and services required to fabricate and install floor-mounted, headrail-braced, solid phenolic toilet partitions, as indicated on the drawings, as specified herein and as required for a complete project.
- .2 Related Sections:
 - .1 Section 06 10 00 - Rough Carpentry.
 - .2 Section 09 21 16 - Gypsum Board Assemblies.
 - .3 Section 09 22 16 - Non-Structural Metal Stud Systems
 - .4 Section 10 28 10 - Toilet Accessories.
 - .5 Division 22 - Plumbing.

1.3 SUBMITTALS

- .1 General: Submit each item in this Article according to the Conditions of the Contract and the applicable Division 01 Specification Sections.
- .2 Shop Drawings: Indicate materials, thicknesses and profiles, fabrication details, plans, elevations, hardware, and installation details.
- .3 Product data:
 - .1 Submit complete manufacturer's product data.
 - .2 Include installation instructions.
- .4 Maintenance Instructions: Provide manufacturer's printed maintenance instructions for toilet partitions for incorporation into the operation and maintenance manual specified in Section 01 78 00 "Closeout Submittals".

1.4 WASTE MANAGEMENT AND DISPOSAL

- .1 Cooperate with the Waste Management Coordinator in the implementation of the Waste Management Plan specified in Section 01 74 21 "Waste Management and Disposal".
- .2 Handle and dispose of waste materials, including packaging materials, generated by the work of this Section in accordance with the Waste Management Plan.

Part 2 Products

2.1 GENERAL

- .1 This specification is based on 1090 Sierra Series solid phenolic, floor-mounted, headrail- braced partitions by Bobrick.
- .2 Requests for substitutions will be considered in accordance with provisions of Section 01 25 00 "Substitution Procedures". Acceptance of alternative products is subject to the approval of the Consultant.
- .3 Obtain all components of the toilet partition system from a single manufacturer.

2.2 SOLID PHENOLIC TOILET PARTITIONS

- .1 Configuration: Floor-mounted, headrail-braced.
- .2 Door, pilaster, and panel material: Solid colour, solid composite material composed of dyes, organic fibrous material and polycarbonate/phenolic resins. Material shall have a non-ghosting, anti-graffiti surface.
 - .1 Colour to be selected by the Consultant. Edges of material shall be the same colour as the surface.
 - .2 Doors (Institutional Grade): 19 mm thick.
 - .3 Pilasters: 19 mm thick, complete with:
 - .1 Levelling device: 5 mm thick, corrosion-resistant, chromate-treated, double zinc plated steel angled levelling bar bolted to the stile and furnished with 10 mm diameter threaded rods, hex nuts, lock washers, flat washers, spacer sleeves, expansion anchors, and shoe retainers.
 - .2 Shoe: 18-8, Type 304 stainless steel, satin finish, 0.76 mm (22 ga) thick x 102 mm high.
 - .4 Panels: 13 mm thick.
 - .5 Privacy screens: 1067 mm x 406 mm x 19 mm.
- .3 'U' Channels: Heavy duty, 18-8, Type 304 stainless steel, satin finish, 1.2 mm thick, profile to suit pilaster, panel or screen, concealed connection, full height to match pilaster, panel or screen. Channels to secure:
 - .1 panels to pilasters,
 - .2 pilasters, panels or privacy screens to walls.
- .4 Headrails (Institutional Grade 67 series):
 - .1 Extruded clear anodized, satin finish aluminum, 3 mm thick.
 - .2 Tubular construction with sloping top and raised, grip-resistant profile.
- .5 Wall Posts: 25 mm x 38 mm tubing: 18-8. Type 304. 1.6 mm (16 ga) stainless steel with satin finish. 1473 mm high pre-drilled for door hardware. Wall post for locations where pilasters are not possible, due to existing conditions or layout.

2.3 HARDWARE

- .1 Institutional Hardware Series: Stainless steel, through-bolt hardware applications with "Torx" screws for theft resistance or approved equivalent for all applications. Factory installed threaded inserts are acceptable:
 - .1 Hinges: 1.6 mm (16 ga) continuous, heavy duty, stainless steel, type 304, satin finish, full-height hinge, gravity-self-closing or spring-closing with through-bolt installation.
 - .2 Door latches: 1.9 mm (14 ga) reinforced, heavy duty, surface mounted door latch, through-bolt installation. Door latch to slide on a shock-resistant nylon track.
 - .3 Door keepers: One-piece door keeper and shoe, 3.2 mm (11 ga), one-piece, heavy duty, stainless steel, type 304, satin finish.
 - .4 Access: A locked compartment shall be openable from the outside by lifting the door to disengage the latch from the keeper.
 - .5 Door stops: Two heavy duty, stainless steel, type 304, satin finish, vandal resistant door stops with rubber cushions installed on the pilasters to support the door at the top and bottom to prevent doors from being kicked out.
 - .6 Door pulls: One on each side of door in accordance with OBC requirements.

Part 3 Execution

3.1 EXAMINATION

- .1 Examine areas and conditions under which work is to be performed and notify the Construction Manager in writing of conditions detrimental to the proper and timely completion of the work.
- .2 Do not proceed with the work until unsatisfactory conditions have been corrected to the satisfaction of the installer.
- .3 Take field measurements to verify or supplement dimensions.
- .4 Commencement of the installation will be construed as acceptance of the site conditions and, thereafter, the Trade Contractor shall be fully responsible for satisfactory work as specified herein.

3.2 PREPARATION

- .1 Coordinate with Section 06 10 00 "Rough Carpentry" to ensure the correct location of wood or plywood blocking within the stud space for the secure attachment of the toilet partitions to stud walls.

3.3 PARTITION ERECTION

- .1 Install partitions secure, plumb and square.
- .2 Leave 12 mm space between wall and panel or end pilaster and between panel and panel or end pilaster.

- .3 Anchor fixing brackets to masonry/concrete surfaces using screws and shields: to hollow walls using bolts and toggle type anchors, to steel supports with bolts in threaded holes.
- .4 Attach panel and pilaster to brackets with through type sleeve bolt and nut.
- .5 Provide for adjustment of floor variations with screw jack through steel saddles made integral with pilaster. Conceal floor fixings with stainless steel pilaster shoes.
- .6 Secure pilasters to floor with pilaster supports anchored with minimum 50 mm penetration into structural floor.
- .7 Equip each door with hinges and latchset. Adjust and align hardware for easy, proper function. Set door open position at 30° to front.

END OF SECTION