

SECTION 10 21 14

METAL TOILET COMPARTMENTS

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. Toilet compartments.
- B. Urinal screens.

1.02 MEASUREMENT AND PAYMENT

- A. General: Metal toilet partitions and urinal screens will not be measured separately for payment but will be paid for as part of the Contract lump-sum price for Architectural Work.

1.03 SUBMITTALS

- A. General: Refer to Section 01 33 00, Submittal Procedures, and Section 01 33 23, Shop Drawings, Product Data and Samples, for submittal requirements and procedures.
- B. Shop Drawings: Show compartment and urinal screen layouts, swing of doors, elevations, anchorage and installation details, components, hardware, accessories, finishes, and relevant dimensions.
- C. Product Data: Submit manufacturer's product data of specified toilet compartments and urinal screens.

PART 2 – PRODUCTS

2.01 TOILET COMPARTMENTS

- A. Compartment Type: Toilet compartments shall be manufactured from Type No. 304 stainless steel with No. 4 finish and shall be of the following types as indicated:
 - 1. Floor Supported and Headrail Braced Units: Floor-anchored pilasters with pilasters connected and reinforced by headrail bracing, and wall-mounted partition panels.
 - 2. Floor Supported Units: Floor-anchored pilasters and wall-mounted partition panels.
 - 3. Ceiling Supported Units: Ceiling hung pilasters anchored to concealed, above-ceiling structural members, and wall-mounted partition panels.

- B. Doors: Flush panel, one-inch thick, with two sheets of minimum 22 gage stainless steel sheet, bonded under pressure to both surfaces of manufacturer's standard core material. Formed edges shall be welded every 18 inches and sealed with a surrounding oval-crown, polished stainless steel locking strip that is mitered, welded and finished at the corners.
- C. Panels: Flush panel, one-inch thick of same materials and construction as specified for doors, with insulating core material.
- D. Pilasters: Flush panel, one and a fourth inch thick, with two sheets of minimum 18 gage stainless steel sheet, constructed welded, and finished as specified for doors.
- E. Installation Accessories: Provide all fittings, fasteners, and installation hardware as required for a complete and finished installation. Anchorage and installation accessories shall be stainless steel and shall be concealed and made vandal-proof with the installation of stainless steel trim plates secured with theft-proof bolts. Stirrup brackets used to attach panels and pilasters shall be heat-treated, polished, clear anodized aluminum.
- F. Hardware: Hardware shall consist of standard type gravity hinge which allows the door to remain open at any angle, heavy latch with combination keeper and rubber-faced strike, and coat hook with rubber bumper. Hardware shall be stainless steel or chrome-plated alloy as noted herein, manufactured or furnished by the manufacturer of the toilet partitions. Hardware shall include the following features and accessories:
 - 1. Each door shall be equipped with chrome-plated, cast alloy coat hook and bumper, concealed latch with stainless steel bolt permitting exterior access, one-piece chrome-plated stop and keeper, and concealed controlled power bearing gravity hinge.
 - 2. Door shall be adjustable to permit rest position at any angle within a 270-degree arc and the weight shall be carried by a thrust bearing with all moving parts concealed within door thickness.
 - 3. Top hinge pin shall be secured at three points with stainless steel door hinge fittings fully flush with face plates of door.
 - 4. Pilaster hinge brackets shall be of stainless steel alloy and factory mounted flush to pilaster.
 - 5. Fasteners shall be stainless steel unless approved by District Representative.

2.02 URINAL SCREENS

- A. Urinal screens shall be manufactured from Type 304 stainless steel of same materials and construction as herein specified for doors, and shall be furnished complete with all fittings, fastenings, and anchorage devices as required for a complete installation.

- B. Urinal screens shall be flush panel, wall-mounted with brackets or floor-supported with pilasters as indicated. Urinal screens shall be 18 inches in width for wall-mounted screens and 24 inches in width for floor-supported screens.

PART 3 – EXECUTION

3.01 INSTALLATION

- A. Toilet compartments and urinal screens shall be installed as indicated by the manufacturer or its authorized representative in accordance with the manufacturer's installation instructions and recommendations. Install toilet compartments and urinal screens in a rigid and substantial manner, straight and plumb, with all horizontal lines level.
- B. Pilaster anchors shall be carried through finish floor materials and secured to concrete structural slab for floor-supported units, and through finish ceiling materials and secured to above-ceiling structural supports for ceiling-supported units, as indicated, with shoes and adjustable anchors.
- C. Drilling and cutting for installation of anchors shall be at locations that will be concealed in the finished work. Adjust pilaster shoes to fit flush against the floor and ceiling, as applicable. Clearance at walls shall be approximately one half inch. Clearance at vertical edges of doors shall be uniform from top to bottom and shall not exceed three sixteenth of an inch.

3.02 ADJUSTMENTS

- A. Adjust and lubricate hardware for proper operation after installation and just prior to final inspection. Adjust door hardware so that doors are free of hinge bind.
- B. Adjust hinges on in-swinging doors to hold doors open approximately 30 degrees from the closed position when unlatched. Adjust hinges on out-swinging doors to return doors to the fully open position (90 degrees) when doors are adjacent to walls, and to hold doors open approximately 15 degrees at intermediate locations.

3.03 COMPLETION

- A. After completion of installation, remove protective maskings; clean and polish exposed surfaces of compartments and urinal screens, hardware, fittings, and accessories.
- B. When complete, each compartment and urinal screen shall be square, plumb and level, accurately aligned, and securely anchored. Doors shall remain plumb in all positions of swing, and doors and hardware shall operate smoothly, quietly, and free from binding. Exposed surfaces shall be clean and free from scratches, dents, tool marks, stains, discoloration, and other defects and damage.

END OF SECTION 10 21 14