

SECTION 10 21 13

METAL TOILET COMPARTMENTS

PART 1 - GENERAL

- 1.1 **GENERAL CONDITIONS** The General Conditions, Supplementary General Conditions and all Sections of Division 1 shall apply to each and every contract and contractor, person or persons supplying material, labor or entering into the work directly or indirectly.
- 1.2 **SCOPE** This section includes all labor, materials, equipment and related services necessary for the fabrication, delivery and installation of the work shown on the drawings and or specified herein, including but not limited to the following:
- A. Toilet partitions and urinal screens.
 - B. All fittings, fasteners, hardware and reinforcing for complete installation.
- 1.3 **ALTERNATES:** Refer to SECTION 01 21 00 - ALLOWANCES, SECTION 01 22 00 – UNIT PRICES, and SECTION 01 23 00 - ALTERNATES, to determine extent, if any, work of this Section will be affected by Alternates, Unit Prices or Allowances.
- 1.4 **PROTECTION:** This Contractor shall use all means necessary to protect specialties before, during and after installation and to protect the work of all other trades. In the event of damage, immediately make all repairs and/or replacements necessary at no additional costs to the Owner.
- 1.5 **SHOP DRAWINGS:** Before fabrication, this Contractor shall submit complete shop drawings for Architect approval. Drawings should show layout of partition sections, assembly details, hardware etc. No fabrication should start until shop drawings have been approved by the Architect. Include full range of color samples

PART 2 - PRODUCTS

- 2.1 **METAL TOILET PARTITIONS:** Toilet compartments shall be floor mounted, overhead braced Embassy Type as manufactured by Global Steel Products, Deer Park, New York.
- 2.2 **DOORS:** Doors shall be 1" thick constructed of 2 sheets of 22 gauge bonderized galvanized steel formed and cemented under pressure to a hexagonal honeycomb core. Face plates of doors shall be welded together at 18" intervals around the entire perimeter. All edges shall be bound with a 20 gauge interlocking molding; corners shall be welded and ground smooth. Doors shall have suitable internal reinforcement to accommodate hardware items.
- 2.3 **PANELS:** Panels shall be 1" thick constructed of 2 sheets of 20 gauge bonderized galvanized steel formed and cemented to a honeycomb core under pressure. Partitions shall have a 20 gauge interlocking molding on all sides; corners shall be welded and ground smooth.
- 2.4 **PILASTERS:** Shall be welded at maximum intervals of 18" and are to be 1-1/4" thick, constructed of 2 sheets of 20 gauge bonderized galvanized steel. Face plates of all pilasters shall be formed and cemented under pressure to a honey comb core. Edges shall be interlocked with an 20 gauge oval shaped molding; corners shall be welded and ground smooth. All pilasters shall have a 3" high polished stainless steel plinth (18-8 type 301 stainless steel). Pilasters are set on floor with a minimum of 2" penetration into concrete with 3/8" studs and expansion shields. Leveling nuts and washers supplied as required.
- 2.5 **HARDWARE:** Each compartment is to be complete with all hardware, door hinges, latch stop and keeper, coat hook and all necessary fittings and fastenings for a complete installation. Doors shall be hung on concealed universal type gravity hinges. Lower hinge recessed in door shall operate on opposing nylon cams. Upper hinge shall operate in a nylon bushing on a stainless steel pin anchored above and below the hinge bracket. Latch shall be lever type, operable with closed fist. All hardware shall be chrome plated.

2.6 FITTING AND FASTENINGS

- A. Wall fittings, hinge brackets, strike and keeper will be thru-bolted with hex bolts having theft proof heads. All other hardware items to have appropriate screws. All fastenings and fittings shall be chrome plated.
- B. Provide concealed reinforcement and cut out for installation of toilet accessories specified in Section 10800 such as:
 - 1. Toilet paper dispensers
 - 2. Napkin disposers
 - 3. Grab bars

2.7 FINISH

- A. Finish to be baked enamel, applied with Ransburg Electrostatic painting system to insure even coating. All materials to be baked at 350°F.
- B. One Color: Submit 3 copies, complete range of color samples for Architect selection/approval.

PART 3 - EXECUTION

3.1 INSPECTION

- A. Check areas to receive toilet partitions and screens for correct height and spacing of support structures and plumbing fixtures that may affect quality and execution of the work.
- B. Commence installation of toilet partitions when all checks have been made.
- C. Start of work constitutes acceptance of job conditions.

3.2 INSTALLATION

- A. Anchor partitions, pilasters and screens to walls with brackets.
- B. Install hardware as recommended by manufacturer.
- C. Conceal evidence of drilling in walls, ceilings and finished work.
- D. Adjust pilaster shoes to fit flush with finish floors.

3.3 ADJUST AND CLEAN

- A. Adjust brackets to provide uniform clearances not exceeding:
 - 1. Pilaster and Wall: 1"
 - 2. Panels and Wall: 1"
 - 3. Pilaster and Panels: 1/2"
 - 4. Pilasters and Doors: 3/16"
- B. Adjust hardware for proper operation.
- C. Set hinges to hold doors ajar when not latched.
- D. After completion of installation, clean and polish exposed compartment and screen surfaces and touch up minor scratches.

END OF SECTION