

SANTANA'S DIVISION 10 SPECIALTIES

HDPE TECHNICAL SPECIFICATIONS FLOOR-TO-CEILING TOILET COMPARTMENTS INTEGRAL HINGE SYSTEM (FTCP-4004)

10.A. 1. SCOPE

- A. Requirements of the general conditions and special conditions apply to the work in this section.
- B. Provide all labor, materials, etc. necessary for the completion of the work of this section as specified or shown on the drawings.
- C. Work of this section consists of, but is not limited to the following:
 - 1. Toilet compartments
 - 2. Hardware, etc. for stalls
 - 3. Shop drawings
- D. Work not included in this section.
 - 1. Toilet room accessories in Section 10B or by others.

10A. 2. SUBMITTALS

- A. Submit (6) sets of shop drawings, including details and a sample of each item of hardware for architect's approval.
- B. Provide drawings showing location for adequate steel reinforcements of wood blocking in walls to be provided by others for proper securement of the finished work.
- C. Furnish color samples for use of the architect.
- D. Furnish documentation on hardware and continuous wall bracket to meet specification as outlined.

10.A. 3. MATERIALS

- A. Toilet compartment shall be floor to ceiling with non-corrosive doors, panels and pilasters similar and equal to Poly-Mar HD[®], Poly-Marble HD[®], or Poly-Granite HD[®] compartments as manufactured by Santana Products Inc., Scranton, PA, or an approved equal by specifier or design professional prior to bid date with hardware as specified herein.
- B. Panels, doors and pilasters shall be fabricated from High Density Polyethylene (HDPE) containing a minimum of 10% recycled material manufactured under high pressure forming a single component section which is waterproof, non-absorbent and has a self-lubricating surface that resists marking with pens, pencils or other writing utensils. All panels, doors and pilasters to arrive at job-site with special protective plastic covering.
- C. Characteristics
 - 1. Dual component compression molded High Density Polyethylene (HDPE) of solid Poly-Mar HD[®], Poly-Marble HD[®], or Poly-Granite HD[®] virgin resin materials in colors that extend throughout the surface; the panels, doors, and pilasters shall have combined recycled and/or virgin material (HDPE) as the core material.
 - 2. Doors, panels and pilasters shall be a minimum of 1" thick and all edges machined to a radius of .250" and all exposed surfaces to be free of saw marks.
- D. Fabrication
 - 1. Dividing panels shall be 55" high and mounted at 14" above finished floor.
 - 2. Doors shall be 55" and mounted at 14" above finished floor.
 - 3. Pilasters shall be floor-to-ceiling style and fastened to a 3" high stainless steel "L" bracket, mounted within a one-piece shoe with star-head security pin, stainless steel barrel bolts.
 - 4. Finish of doors, panels, and pilasters shall be similar and equal to Santana Products, Inc. "Plastic-Glaze 280" color of doors, panels and pilasters to be selected from the standard Poly-Mar HD[®], Poly-Marble HD[®], or Poly-Granite HD[®] color range.
 - 5. Aluminum edging strips to be fastened to the bottom edge of all doors and panels using vandal-proof stainless steel fasteners.

E. Technical Data

1. Santana Solid Plastic Products to be independently certified in writing by the manufacturer indicating compliance to appropriate building codes governing the project as it applies to the use of "plastic in a commercial building."
- F. Manufacturer to supply a written warranty covering all plastic components and plastic hardware against breakage, corrosion and delamination for a period of 15 years.
- 10.A. 4. HARDWARE
- A. Door hardware shall be as follows:
1. Hinges shall be integral hinge system. Pilaster to be machined to accept door and hinge mechanism. Hinge mechanism consists of a 2 piece 1/2" diameter nylon pin with "Cam Action" and a 3/16" stainless steel pin inserted into lower portion of pilaster and door. A one-piece 1/2" diameter, 4" long nylon pin to be inserted into the top portion of the pilaster and door. Door closures to be factory set to accommodate all conditions and allow for a positive opening and closing action free of impediment.
 2. Each handicapped door to include: (1) door pull (1) wall stop.
 3. Door strike and keeper shall be fabricated from heavy aluminum extrusion (6463-T5 Alloy) with bright-dipped anodized finish with wrap around flange surface mounted and thru-bolted to pilaster with star-head security pin, stainless steel barrel bolts. Size of strike shall be 6" in length.
 4. Door latch housing shall be fabricated from heavy aluminum extrusion (6463-T5 Alloy) with bright-dipped anodized finish, surface mounted and thru-bolted to door with one-way sex bolts. Slide bolt and button shall be heavy aluminum with "Tuff-Coat Black" anodized finish.
- B. Full length continuous plastic wall brackets weighing not less than .822 lbs. per linear foot. Brackets shall be used for all panels to pilaster, pilasters to wall and panel to wall connections. Wall brackets shall be thru-bolted to panels and pilasters star-head security pin, stainless steel barrel bolts. Attachments of brackets to adjacent wall construction shall be accomplished by #14 x 1-1/2" star-head, security pin stainless steel screws anchored directly behind the vertical edge of panels and pilasters at 13" intervals along the full length of brackets and at each 13" interval alternately spaced between anchor connections.
- C. Floor-to-ceiling pilasters to be mounted at floor and ceiling using stainless steel "L" brackets and #14 x 1-1/2" star-head security pin, stainless steel screws. Plastic pilasters shoes will be attached to pilasters using star-head security pin, stainless steel barrel bolts.

10.A. 5. INSTALLATION: Erection of partitions, etc., shall be in accordance with the manufacturer's standard recommendations and the following:

- A. All parts shall be erected in a substantial manner, straight, level, and plumb.
- B. No evidence of drilling, cutting, or patching shall be visible in the finished work.
- C. Clearance at vertical edges of doors shall be uniform top to bottom and shall not exceed 1/4".
- D. Finished surfaces shall be cleaned after installation and left free of imperfections.
- E. Authorized factory installers to be utilized.

SANTANA PRODUCTS INC.
P.O. Box 2021 • Scranton, PA 18501 • (800) 368-5002 • Fax: (570) 348-2959
<http://www.hinyhider.com>