PART 1 GENERAL

1.1 SUMMARY
A. Section Includes: Toilet partitions and urinal screens, complete with hardware.

1.2 REFERENCES
A. American Society for Testing and Materials (ASTM), latest edition:

1.3 SUBMITTALS
A. Product Data:
   1. Show details of construction, assembly and anchorage to building construction, manufacturer's specifications including description of hardware, and maintenance instructions.
   2. Include test reports confirming Class C and toxicity requirements.

B. Shop Drawings:
   1. Provide dimensioned partition plans, elevations, details, swing of doors, color, and location of hardware items and required wall blocking.
   2. Label components and fully describe anchorage devices and substrates.
   3. Show relationship to plumbing fixtures.

C. Samples:
   1. 6-inch by 6-inch samples of panel material in both stock and custom colors.
   2. Include sample of fastener and shield for wall bracket anchorage.

D. Copy of manufacturer's standard 15-year warranty submitted with shop drawings, guaranteeing against material defects or faulty fabrication, assembly, and installation.

1.4 QUALITY ASSURANCE
A. Installer Certification: Provide documentation from the toilet partition manufacturer that installers have been factory-trained in the installation of these partitions.

B. Mock-Up: If required by A/E, install mockup of stall in area designated by A/E. Approval by A/E is required before ordering, production, or delivery of remaining partitions.

C. Gravity cam or integral hinges are not allowed.
1.5 PRODUCT DELIVERY, HANDLING, AND STORAGE

A. Ship components with protective wrap. Store and handle according to manufacturer's printed instructions.

1.6 WARRANTY

A. Upon completion of installation, submit warranty for 15-years starting at date of substantial completion, stating that failed products or installation shall be replaced at no additional cost to the Board.

PART 2 PRODUCTS

2.1 MANUFACTURERS

A. Solid Plastic Toilet Partitions:

1. Ampco Products, Hialeah, FL: High Density Polyethylene.
3. Other product of equal quality and performance as approved by the A/E.

2.2 MATERIALS

A. Panels, pilasters, and doors of 1-inch thick seamless high-density polyethylene (HDPE) resin compound. A/E shall select color from manufacturer's stock or custom colors. All edges shall be machined to a 0.250" radius. Phenolic resin construction is not acceptable.

1. Plastic material shall comply with the following:
   a. Flame Spread of less than 200 and Smoke Developed of less than 450 when tested according to ASTM E84.
   b. Products of combustion of "no more toxic" than those from burning wood when tested according to NBS-TOX, 48.1.
   c. Integral color shall be uniform throughout panel and all panels shall match.

B. Hardware:

1. Headrails: Extruded aluminum alloy with a clear anodized finish; anti-grip design, with stainless steel headrail brackets.
2. Hinges: Continuous hinge, aluminum, self-closing spring-loaded barrel, snap-on covers, and tamper resistant sex bolts, 54 inches long.
   b. 400 Series by Markar Products, Lancaster NY.
   c. Or Other A/E accepted equivalent.

3. Wall Brackets: Solid plastic to match type and color of plastic panels and full panel length. Through-bolt brackets to panels and pilasters with tamper resistant sex bolts. Wall brackets shall be used for panel and pilasters, pilaster to wall, and panel to wall connections.
4. Pilasters: Solid plastic to match type and color of plastic panels with leveling bolts.
5. Shoes and Fasteners: Solid plastic shoes to match type and color of plastic panels. Use tamper resistant sex bolts.
6. Door Pulls, Door Strikes, and Door Stops: Heavy chrome-plated Zamac or stainless steel.
7. Door Latches: Stainless steel or heavy-duty aluminum housing, slide bolt, and button. Use tamper resistant sex bolts.
8. Provide clear anodized aluminum bars fastened to bottom edge of panels and doors with theft-proof countersunk screws. Bars shall be flush with faces of panels.
9. Finish of exposed portion of screws, bolts, and nuts shall match finish of attached hardware item. Sex bolts shall be stainless steel barrel nut and shoulder screw design with tamperproof head. Color to match bracket.

C. Anchorages:
   1. Connection to wall shall provide a rigid and durable anchorage to wall construction. Use expansion bolts or "butterfly" type bolts. Finish of exposed portions shall match finish of wall brackets.
   2. Plastic shields will not be accepted unless partition manufacturer can demonstrate that they will not work loose in wall or cause a less than rigid and durable anchorage and be guaranteed by the partition manufacturer and the partition installer against pullout or loosening.

2.3 FABRICATION

A. Fabricate compartments to the following configuration. Dividing panels and doors shall be minimum 55 inches high x length required and with bottom edge of panels 14 inches above the floor. Top of pilasters shall be 82 inches above finish floor and fastened to 3-inch high shoes of same material as pilaster.
B. Fabricate urinal screens to the following configuration. Dividing panels shall be 42 inches x 24 inches long and with bottom edge of panels 18 inches from the floor. Provide ceiling support and fasten to floor shoes.
C. Using template provided by toilet accessories manufacturer, provide cutouts for recessed items.
D. Compartments for handicapped use shall be fabricated according to the latest accessibility code requirements.
E. Stall doors shall be self-closing.

PART 3 EXECUTION

3.1 PREPARATION

A. Verify dimensions at areas to receive partitions and plumbness of walls and soundness of wall surfaces that would affect installation of holding brackets. Verify blocking is installed in stud walls to receive partition anchorages.
B. Verify spacing of plumbing fixtures to assure compatibility with installation of partitions.
C. Do not begin installation of partitions until conditions are satisfactory.
3.2 ERECTION

A. Install partitions rigid, straight, plumb, and level. Follow partition manufacturer's printed installation instructions and final approved shop drawings.

B. Provide uniform clearance of not more than 1 inch between panels and walls, and clearance of not more than 1/4” at vertical edges of doors uniform from top and bottom.

C. Locate wall brackets with holes for wall anchorages occurring in masonry or tile joints wherever possible.

D. Conceal evidence of drilling, cutting, and fitting.

3.3 ADJUSTING AND CLEANING

3.4 Perform final adjustments to leveling devices and hardware.

3.5 Clean exposed surfaces of partitions, hardware, fittings, and accessories.

   1. Avoid soiling other adjacent finishes.
   2. Follow partition manufacturer's printed cleaning instructions.

END OF SECTION