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## **AMPCO SOLID PLASTIC / SOLID POLYMER (HDPE) SPECIFICATIONS**

### **Part 1 -General**

#### **1.1 RELATED DOCUMENTS**

A. Drawings and General Provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

#### **1.2 SUMMARY**

A. This section includes stock and manufactured toilet compartments.

B. Types of toilet compartments include:

1. Solid Plastic, High Density Polyethylene

C. Construction styles of toilet compartments include:

1. Overhead Braced

2. Floor to Ceiling Supported

3. Ceiling Hung

D. Construction styles of modesty panels and sight screens include:

1. Leg Screen

2. Floor Mounted

3. Wall Hung

E. Supports for attaching compartments, modesty panels and sight screens to overhead structural systems are specified in a Division 5 Section.

#### **1.3 SUBMITTALS**

A. General: Submit the following in accordance with Conditions of Contract and Division 1 Specification sections.

B. Product data for materials, fabrication, and installation including catalog cuts of anchors, hardware, fastenings, and accessories.

C. Shop drawings for fabrication and installation of compartment assemblies that are not fully described by architectural drawings. Provide template layouts and installation instructions for anchorage devices built into other work.

D. Samples of full color range for each required unit type. Submit Ampco's standard color selector.

#### **1.4 QUALITY ASSURANCE**

A. Field Measurements: Take field measurements prior to component fabrication to ensure proper fitting of work.

B. Coordination: Furnish inserts and anchorages that must be built into other work for installation of toilet compartments and related items.

## **PART 2 -PRODUCTS**

### **2.1 MANUFACTURERS:**

Subject to compliance with requirements, provide products by one of the following:

- A. Ampco Florida, Opa-Locka, Florida, 33054
- B. Ampco Southwest, Sanger, Texas, 76266
- C. Ampco Northwest, Auburn, Washington 98001
- D. Ampco Tennessee, Morristown, Tennessee 37814

### **2.2 MATERIALS**

A. General: Provide material that have been selected for surface flatness and smoothness. Exposed surfaces that exhibit pitting, seam marks, roller marks, stains, discoloration, telegraphing of core, or other imperfections on finished units are not acceptable.

B. Select from the following:

- 1. Solid Plastic, High Density Polyethylene: High Density Polyethylene Solid Plastic component material shall be of 1" thick polymer resin construction. All doors and panels shall have a net height of 54". All edges shall be uniformly machined.

C. Stile Shoes and Caps: Shall be 20 gage ASTM A-167, Type 304 stainless steel, not less than 3" high, Number 4 Satin (brushed) finish.

D. Brackets: Ampco's standard design for attaching panels to walls, stiles to walls, and panels to stiles of the following material:

- 1. Solid Plastic, High Density Polyethylene shall be satin anodized Type 6463-T5 aluminum hardware.

E. Overhead Bracing: Continuous extruded aluminum, anti-grip profile, with clear satin anodized finish. Headrail returns as shown on shop drawings.

F. Anchorages and Fasteners: Standard chromium-plated exposed fasteners are finished to match hardware with theft-resistant type heads (one-way). All concealed steel fasteners shall have a zinc-plated, rust-resistant, protective coating. All fasteners shall be pre-packed, marked and labeled for ease of identification. Exposed fasteners for Solid Plastic shall be chrome plated brass and/or stainless steel.

### **2.3 FABRICATION**

A. General: Furnish standard doors, panels, screens and stiles fabricated for compartment system. Furnish units with cutouts and drilled holes to receive compartment hardware as indicated.

B. Door Dimensions: Unless otherwise indicated, furnish 24" wide in-swing doors for ordinary toilet compartments and minimum 32" wide (clear opening) out-swing doors for compartments that meet the requirements of the Americans with Disabilities Act (ADA).

C. Restroom Compartments, Modesty Panels and Sight Screens:

- 1. Solid Plastic, High Density Polyethylene: Polymer resin material shall be one seamless piece. All edges shall be free of milling marks.

D. Construction Types of Restroom Compartments, Modesty Panels and Sight Screens:

- 1. Overhead Braced: Furnish galvanized steel supports and leveling bolts at stiles to suit floor conditions as recommended by Ampco. Make provisions for setting and securing overhead bracing at the top of each stile. Provide shoe at each stile to conceal supports and leveling mechanism.

E. Hardware: Furnish hardware to comply with ANSI A117.1 and Title III of the Americans with Disabilities Act (ADA) as follows:

- 1. Solid Plastic, High Density Polyethylene:
  - a. Hinges: Supply two heavy duty extruded satin anodized Type 6463- T5 aluminum hinges (three hinges for door widths exceeding 26"). Hinges shall wrap around stile and door components, be reinforced with steel supports, and be fully adjustable for door positioning. All hardware mounted with theft resistant thru-bolts .
  - b. Latch and Keeper: Heavy duty extruded satin anodize Type 6463-T5 aluminum slide latch and keeper with emergency release.
  - c. Coat Hook: Cast chrome plated non-ferrous metal coat hook (O/S) and/or combination hook bumper (I/S).
  - d. Door Pull: Heavy duty cast satin anodized aluminum. 2.4 FINISH.
  - e. Select color from Ampco's most recent selection chart.

## **PART 3 -EXECUTION**

### **3.1 INSTALLATION**

A. General: Comply with manufacturer's recommended procedures and installation sequence. Install compartment units rigid, straight, plumb and level. Provide clearance of not more than 1/2" between stiles and panels and not more than 1" between panels and walls. Secure panels to walls with not less than two brackets attached near top and bottom of panel. Locate wall brackets so that holes for wall anchorages occur in masonry or tile joints. Secure panels to stiles with not less than two brackets located to align with brackets at wall. Secure panels in position with manufacturer's recommended anchoring devices.

B. Overhead Braced Compartments: Secure stile to floor and level, plumb, and tighten installation with devices furnished. Secure overhead brace to each stile with fasteners supplied. Hang doors and adjust so that tops of doors are parallel with overhead brace when doors are in closed position.

C. Screens: Attach with anchoring devices as recommended by manufacturer to suit supporting structure. Set unit to provide support and to resist lateral impact.

### **3.2 ADJUST AND CLEAN**

A. *Hardware Adjustment: Adjust and lubricate hardware for proper operation. Set hinges on in-swing doors to hold open approximately 30 degrees from closed position when unlatched. Set hinges on out-swing doors (and entrance swing doors) to return to fully closed position.*

B. Clean and Protect: Clean exposed surfaces of compartment systems using materials and methods recommended by manufacturer, and provide protection as necessary to prevent damage during remainder of construction period.