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AMPCO POWDER COATED STEEL 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. Metal, Powder Coated Baked Enamel

C. Construction styles of toilet compartments include:

1. Ceiling Hung
2. Floor Mounted
3. Floor to Ceiling Supported
4. Overhead Braced

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

1. Leg Screen
2. Floor Mounted
3. Floor to Ceiling Supported
4. 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 Southwest, Sanger, Texas 76266.

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. Metal 1. Powder Coated Baked Enamel:

a. Galvanized-bonderized steel sheets for Powder Coated Baked Enamel shall meet ASTM A-591, Class C.

Minimum thickness shall be:

1. Stiles (Overhead Braced): 20 gage

2. Stiles (Unbraced): 18 gage

3. Doors, Panels and Screens: 22 gage

b. Core material for Metal Compartments shall be Ampco's standard sound-deadening resin impregnated honeycomb kraft paper. Provide finished thickness 1" for doors, panels, and screens and 1-1/4" for stiles.

c. Powder coated paint finish shall be electrostatically applied. Testing using current ASTM methods provide the following results: Salt spray: 1500 hours, Humidity: 1500 hours, Pencil Hardness: 2H, Impact: 160 in/lb.

d. 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.

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

2. Powder Coated Baked Enamel shall be cast chrome plated non-ferrous hardware.

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

g. 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.

2.3 FABRICATION

1. 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.

2. 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).

3. Restroom Compartments, Modesty Panels and Sight Screens:

1. Metal, Powder Coated Baked Enamel: One-piece face sheets shall be bonded to core material. Edges shall have a continuous rolled- formed interlocking strip. Corners shall be welded and ground smooth. Mechanical corner fastenings will not be acceptable.

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

A. 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.

B. Floor Mounted: Furnish galvanized steel anchorage devices complete with threaded rod, lock washers, and leveling adjustment nuts at stiles to permit structural connection at fl Ceiling Hung: Furnish galvanized steel anchorage devices complete with

C. Ceiling Hung: Furnish galvanized steel anchorage devices complete with threaded rods, lock washers, and leveling adjustment nuts at stile connection.

5. Ceiling Hung Compartments: Secure stiles to supporting structure and level, plumb for structural support above finished ceiling. Furnish devices that are designed to support stiles from structure without transmitting load to finished ceiling. Provide shoe at each stile to conceal anchorages.

6. Floor to Ceiling: Furnish galvanized steel supports and/or threaded rod, lock washers, and leveling adjustment nuts at stiles as required. Provide shoes at each stile to conceal anchorages.

E. Hardware: Furnish hardware to comply with ANSI A1 17.1 and Title III of the Americans with Disabilities Act (ADA) as follows:

1. Metal, Powder Coated Baked Enamel:

- a.** Hinges: Supply gravity-acting cam allowing all doors to be set at various positions.
- b.** Latch and Keeper: Cast chrome plated non-ferrous slide latch and combination stop with emergency release.
- c.** Coat Hook: Cast chrome plated non-ferrous coat hook (O/S) and/or combination coat hook and bumper (I/S).
- d.** Door Pull: Cast chrome plated non-ferrous metal.

2.4 FINISH.

1. Select color from Ampco's most recent selection chart.

PART 3 -EXECUTION

3.1 INSTALLATION

1. 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.

2. 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.

3. Floor Mounted Compartments: Set stile units with anchorages having not less than 2" penetration into structural floor, unless otherwise recommended by Ampco. Level, plumb, and tighten installation with devices furnished. Hang doors and adjust so that tops of doors are level with tops of stiles when doors are in closed position.

4. Tighten installation with devices furnished. Hang doors and adjust so door bottoms are level with bottoms of stiles when doors are in closed position.

5. Floor to Ceiling Compartments: Secure divider panels to built-in anchorage devices using concealed fasteners. Level, plumb and tighten installation with devices furnished. Hang doors and adjust so that bottoms of doors are 12" off floor when doors are in closed position.

6. 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

1. 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.

2. 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.