



AMPCO High Pressure Laminate Compartment Systems are the most popular specification, especially when a design requires flexibility, aesthetics, and economy. Bonding the edges before face laminate promotes water runoff and inhibits deterioration. AMPCO features a full range of solid designer colors, patterns and finishes.

CONSTRUCTION

Our High Pressure Plastic Laminate compartments use a minimum GP-50, .050" thick, meeting NEMA LD3-1991 standards. We use particleboard core material of industrial Grade 45-pound density. Laminate edges are applied before face laminate and bonded with a thermo-setting resin glue under continuous heat and pressure. All face laminate are bonded with a polyvinyl acetate adhesive.

STANDARD HARDWARE

Cast chrome plated non-ferrous hardware. Our hardware complies with ANSI A117.1 and Title III of the Americans with Disabilities Act (ADA).

Hinges:

Supply gravity-acting cam allowing all doors to be set at various positions

Latch and Keeper:

Cast chrome plated non-ferrous slide latch and combination stop with emergency release

Coat Hook:

Out swinging Doors cast chrome plated non-ferrous coat hook
 In swinging Doors combination coat hook and door bumper

Door Pull:

Cast chrome plated non-ferrous metal

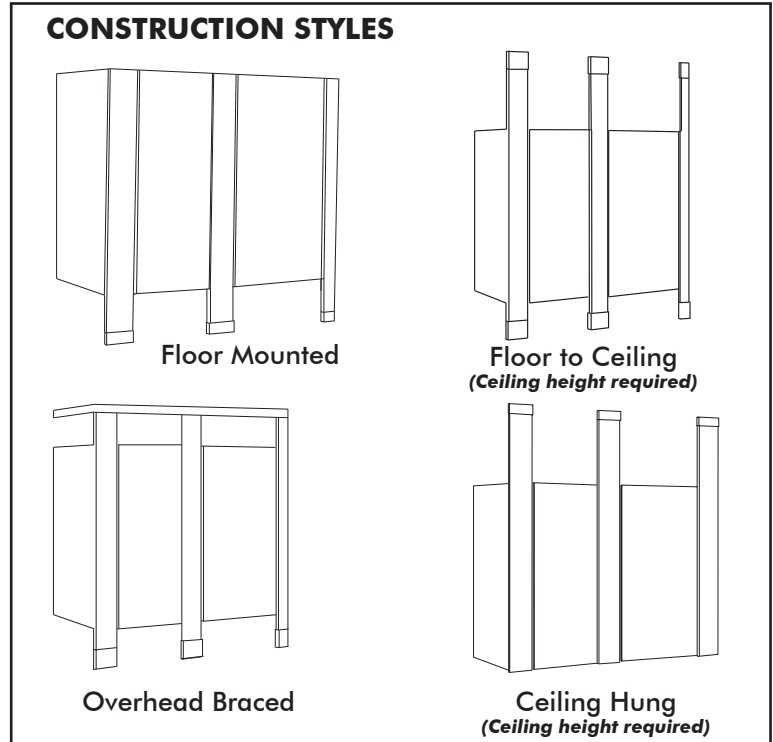
OPTIONAL FEATURES

- 1" minimum (25mm) finished doors, panels and screens
- Plywood core, AB exterior grade
- Stainless Steel finished edges on doors, panels, stiles and screens
- Steel core stile
- Stainless Steel hardware
- Continuous aluminum or stainless steel wall brackets
- Continuous stainless steel cam hinges or three hinges per door
- Continuous aluminum hinge
- No-sight line hardware with continuous hinge and strike

COLORS AVAILABLE

Our Standard Line includes:
 42 colors from Wilsonart
 42 Colors from Formica

Our HPL Toilet Partitions comply with CID A-A-60003
 AMPCO is not responsible for any typographical errors.



LEED CERTIFICATION PROGRAM

Recycled Content MR 4.0	
1-2 points	Formica Pre-Consumer 69% ¹ Post-Consumer 2% Wilsonart Pre-Consumer 71% ¹ Post-Consumer 5%
Local and Regional Material MR 5.0	
1-2 points	Toilet Partitions: Miami, FL 33167 Sanger, TX 76266 Auburn, WA 98001 Recovered Formica: Cincinnati, OH St. Jean Sur Richelieu, Quebec J3B6E9 Recovered Wilsonart: Temple, TX Asheville, NC Recovered Particleboard: Adel, GA Recovered Hardware: Sanger, TX
Renewable Resources MR 6	
1 point	Wilsonart 10%
Certified Wood MR 7	
1 point	Suppliers used by manufacturer are independently certified to the FSC
Low Emitting Materials IEQ 4.4	
1 point	Yes ²
Regional Priority Credit 1.0	
1-4 Credits	Depending on the job site zip code.

¹High Pressure Laminate partitions are assembled with three materials: 75% Particleboard, 15% Laminate, and 10% Zamac hardware.
²IEQ 4.4 Credit only complies if no added formaldehyde is used in particleboard which is available only upon request and may carry an up charge.

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. High Pressure Laminate, HPL
- C. Construction styles of toilet compartments include:
 - 1. Overhead Braced
 - 2. Floor to Ceiling Supported
 - 3. Ceiling Hung
 - 4. Floor Mounted
- 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, Miami, Florida 33167. (305) 821-5700.

2.2 MATERIAL

- A. Doors, Panels, and Pilasters: One-piece high pressure plastic laminate surface complying with NEMA LD 3, Grade GP 50, 0.050 inch (1.27 mm) nominal thickness, bonded to 45 pcf (720 kg/c m) density particleboard core with polyvinyl acetate adhesive.
 - 1. Particleboard: 45 pcf (720 kg/c m) density particleboard core, bonded with polyvinyl acetate adhesive.
 - 2. Marine Grade Plywood: C-C grade, plug and touch sanded.
 - 3. Color: To be selected from manufacturer's standard colors.
 - 4. Edges: Laminate, applied before face laminate and bonded with thermo-setting resin glue under continuous heat and pressure.
 - 5. Edges: Stainless steel finished laminate edge, applied before face laminate and bonded with thermo-setting resin glue under continuous heat and pressure.
 - 6. Thickness with Particleboard Core: Doors and panels 7/8 inch (22 mm); pilasters 1-1/4 inches (32 mm).
 - 7. Thickness with Particleboard Core: 1 inch (25 mm) doors, panels and screens.
 - 8. Thickness with Marine Grade Plywood Core: 7/8 inch (22 mm) doors, panels and screens.
 - 9. Stiles: Steel core reinforced on both edges of stiles.

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. High Pressure Plastic Laminate: One-piece seamless face sheets shall be pressure laminated to core material. Edges shall be applied prior to face sheets. Wood grain panels over 60 deep require seaming.
- 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.
 - 2. Floor Mounted: Furnish galvanized steel anchorage devices complete with threaded rod, lock washers, and leveling adjustment nuts at stiles to permit structural connection at floor. Provide shoe at each stile.

- 3. Ceiling Hung: Furnish galvanized steel anchorage devices complete with threaded rods, lock washers, and leveling adjustment nuts at stile connection 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.
- 4. 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 A117.1 and Title III of the Americans with Disabilities Act (ADA) as follows:
 - 3. High Pressure Laminate:
 - 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.
 - e. Grab Bar Reinforcing Applications: Wood reinforcement of panels for grab bars consists of 5.5" (140mm) wide by 15/16" (24mm) thick solid poplar that runs the length of the panel. The load bearing quality is subject to the grab bar itself, the fasteners used, and the blocking in the wall that supports the panel. (AMPCO does not supply Grab bars, fasteners, and blocking).

- 2.4 FINISH. Select color from AMPCO's most recent selection chart. Finalize selection from actual material sample provided by manufacturer.

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. 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.
- D. Ceiling Hung Compartments: Secure stiles to supporting structure and level, plumb and tighten installation with devices furnished. Hang doors and adjust so door bottoms are level with bottoms of stiles when doors are in closed position.
- E. 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.
- F. 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.

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