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PLASTIC LAMINATED COMPARTMENTS WITH STEEL CORE

SECTION 10168

TOILET PARTITIONS

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 work in this section.

1.2 SUMMARY:

- A. Extent of toilet partitions is indicated on drawings.
- B. Types of toilet compartments include:
 - 1. Self edged plastic laminate with steel core reinforced pilasters.
- C. Styles of toilet compartments include:
 - 1. Floor mounted overhead braced, "HI-STILE "
- D. Styles of screens include:
 - 1. Wall hung, in same construction as compartments.
- E. Toilet accessories, such as grab bars, toilet tissue dispensers etc., are specified elsewhere in Division 10.

1.3 SUBMITTALS:

- A. Product Data: Submit manufacturers detailed technical data for materials, fabrication and installation. Include catalog cuts of hardware, fasteners and accessories.
- B. Shop Drawings: Submit shop drawings for fabrication and erection of toilet partitions. Include templates and instructions for installation.
- C. Samples: Submit color samples for each type of unit.
 - 1. Color samples to include: Choice of colors from manufacturer's standard pallet, maximum two colors.

1.4 QUALITY ASSURANCE:

- A. Field measurements: Take field measurements prior to fabrication, to ensure proper fitting of work.
- B. Manufacturers Qualifications: A company regularly engaged in the manufacturing of products specified in this section, whose products have been in satisfactory use, under similar service conditions, for not less than five years.

PART 2 – PRODUCTS

2.1 MANUFACTURERS:

- A. Manufacturers: Subject to compliance with requirements, provide products of one of the following:
 - 1. Weis/Robart Partitions, Inc.
3501 East La Palma Avenue
Anaheim, California 92806
Ph: 714-666-0108 Fax: 714-666-0110
 - 2. Other manufacturers, who in the opinion of the project architect, meet or exceed the material and construction specifications on each point as outlined in this section, will be considered. Any proposed substitutions must be submitted in accordance with Section 01600.

2.2 MATERIALS:

A. General:

1. Laminated plastic surface, .050 thickness with edges applied first. Then broad surfaces are applied to seal in edges and eliminate the vandal's attempts to pry edges loose.
2. Provide materials, which have been selected for uniform color and sealed non-porous surface. Exposed surfaces, which exhibit pitting, seam marks, roller marks, stains, discolorations, telegraphing of core material or any other imperfections on finished units are not acceptable.

B. Core Materials:

1. 3 ply 45 LB. density, resin-impregnated pre-sanded particleboard, impact and warp-resistant with 1" panels and doors, and 1 ¼" pilasters.
2. High Pressure plastic laminates meet or exceed the NEMA standards. Standard core is particleboard and is not recommended for high moisture areas.
3. 11 gauge corrosion resistant full width, full height, steel core that is bonded within the pilaster and welded to a 3/8" leveling bar of treated corrosion resistant steel.

C. Pilaster Shoes: ASTM A167, Type 304 stainless steel, not less than 4" high, 18 gauge, finished to match hardware.

D. Brackets: Manufacturers standard design in anodized aluminum, chrome plated zamac or other non – ferrous metals.

E. Hardware and Accessories: Manufacturers standard design, heavy-duty institutional operating hardware and accessories of ASTM A167 Type 304 stainless steel.

F. Overhead Bracing: Anodized aluminum continuous anti-grip profile channel to cap over top of pilasters.

G. Anchorages and Fasteners: Manufacturers standard thru-bolt/sexbolt exposed fasteners of ASTM A167 Type 304 stainless steel, chrome plated steel or brass with theft resistant heads. For concealed anchors, use hot-dipped galvanized, or other rust resistant protective coated steel. Use theft proof thru-bolts at all door hardware attachments for maximum strength.

2.3 FABRICATION:

- A. General: Furnish standard doors, panels, screens, and pilasters fabricated for flush construction partition system, unless otherwise indicated. Furnish units with drilled holes and internal reinforcements to receive partition mounted hardware, accessories and grab bars as indicated.
- B. Door Dimensions: Unless otherwise indicated, furnish 24" wide doors for standard compartments and 36" doors at compartments equipped for use by disabled persons. Verify special size requirement with the drawings.
- C. Overhead Braced Partitions: Furnish galvanized treated or other corrosion resistant treatment for supports and leveling bolts at pilasters, as recommended by manufacturer to suit floor conditions. Make provisions for setting and securing continuous anodized aluminum anti-grip head rail at top of each pilaster. Furnish shoe at each pilaster to conceal supports and leveling mechanisms.
- D. Wall Hung Screens: Furnish panel units in sizes indicated on drawings of same construction and finish as partition system panels.
- E. Hardware: Furnish hardware for each compartment in partition system as follows:
 - 1. Hinges: Institutional 11 gauge ASTM A167 Type 304 stainless steel, surface mounted type. Self-closing adjustable to hold door open at any angle up to 90 degrees. Provide gravity type with opposing Duralon/nylon cams and captured pins. Hinges must provide emergency access without the use of any tool or key.
 - 2. Latch and keeper: Manufacturers standard institutional latch, ASTM A167 Type 304 stainless steel, surface or recess mounted. ASTM A167 Type 304 stainless steel combination rubber faced keeper/bumper with emergency release feature mounted on pilaster and thru-bolted for maximum strength and security.
 - 3. Coat Hook: Manufacturers standard unit, combination hook and rubber tipped bumper, sized to prevent door from hitting panels, walls, or accessories.
 - 4. Door Pull: Manufacturers standard ASTM A167 Type 304 stainless steel unit for out swing doors. Provide out swing door bumper.
 - 5. Fasteners: All ASTM A167 Type 304 stainless steel or chrome plated one-way two part sexbolts for thru-bolting hardware. Stainless steel or chrome plated Phillips head screws at all wall connections.

6. Inserts, T-nuts, or Jack nuts are not acceptable. All hinges, keepers, latches, and door pulls will be thru-bolted for maximum strength and security.

PART 3 – EXECUTION

3.1 INSTALLATION:

- A. General: Comply with manufacturers recommended procedures and installation sequence. Install partitions rigid, straight, plumb, and level. Provide clearance of not more than $\frac{1}{2}$ " between pilasters and panels, and not more than 1" between panels and walls. Secure panels to walls with not less than two stirrup brackets attached near top and bottom of panel. Locate wall brackets so that wall penetration for anchorage occurs in masonry tile joints. Secure panels to pilasters with not less than two stirrup brackets located to align with wall brackets. Secure pilasters in position with manufacturers recommended floor-anchoring device.
- B. Overhead Braced Partitions: Secure pilasters to floor, level, plumb, and tighten installation using manufacturer devices furnished. Secure anti-grip overhead brace to each pilaster with not less than two fasteners. Hang doors and adjust so that tops of doors are parallel with overhead brace and aligned with panels when doors are in closed position.
- C. Screens: Attach screens with anchoring devices as recommended by the manufacturer to suit screen size and supporting structure. Set units to provide maximum support and to resist lateral impact. Two brackets to be provided per screen.

3.2 ADJUST AND CLEAN:

- A. Hardware adjustment: Adjust hardware for proper operation. Set hinges on non-handicapped compartments to remain slightly ajar, to 30 degrees, when unoccupied. Set hinges on handicapped compartments to return to the fully closed position when unoccupied.
- B. Cleaning: Clean exposed surfaces of partition system using materials and methods outlined by the manufacturer.

END OF SECTION