

SECTION 10 21 13.16 - PLASTIC LAMINATE TOILET COMPARTMENTS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section includes furnishing and installing:
 - 1. Floor supported overhead braced plastic laminate toilet compartments and wall mounted screens.
 - 2. Heavy-duty hardware.

RELATED WORK

- B. Related Work of Other Sections:
 - 1. Section 06100 – Rough Carpentry: Wood blocking and grounds.
 - 2. Section 09250 – Gypsum Drywall Systems.
 - 3. Section 09300 – Tile.
 - 4. Section 10810 – Toilet Accessories.

SUBMITTALS

- C. Product Data: For each type and style of toilet compartment and screen specified. Include details of construction relative to materials, fabrication, and installation. Include details of anchors, hardware, and fastenings.
- D. Shop Drawings: For fabrication and installation of toilet compartment and screen assemblies. Include plans, elevations, sections, details, and attachments to other work.
 - 1. Show locations of reinforcement and cutouts for compartment-mounted toilet accessories.
- E. Samples for Initial Selection: Manufacturer's color charts consisting of sections of actual units showing the full range of colors, textures, and patterns available for each type of compartment or screen indicated.
- F. Samples for Verification: Of each compartment or screen color and finish required, prepared on 6-inch- (150-mm-) square Samples of same thickness and material indicated for Work.

PROJECT CONDITIONS

- G. Field Measurements: Verify dimensions in areas of installation by field measurements before fabrication and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.

1. Established Dimensions: Where field measurements cannot be made without delaying the Work, establish dimensions and proceed with fabricating units without field measurements. Coordinate supports, adjacent construction, and fixture locations to ensure actual dimensions correspond to established dimensions.

PROJECT CONDITIONS

- H. Take field measurements prior to preparation of shop drawings and fabrication to ensure proper fitting. Coordinate fabrication schedule with construction progress to avoid delay.

PRODUCTS

PRODUCT AND MANUFACTURER

- I. Provide the following types of toilet compartments and screens fabricated from NEMA Standard LD-3 plastic laminate, minimum 0.050" thick over manufacturer's standard medium density particleboard or plywood core with optional heavy duty fittings and hardware, and accessories. Subject to compliance with requirements, provide units produced by Sanymetal, Accurate Partitions, Bobrick Washroom Equipment, Global Steel Products, Ampco, or Tex Lam Mfg., Inc.
 1. Overhead-braced floor supported pilasters, minimum 1-1/4-inch thick.
 2. Wall-hung screens, minimum 1-inch thick.
 3. Doors, minimum 1-inch thick.
 4. Plastic Laminate, Men's Room: Refer to Color Schedule on the Drawings
 5. Plastic Laminate, Women's Room: Refer to Color Schedule on the Drawings.
 6. Hardware: Provide the following stainless steel hardware of types and arrangements complying with The Americans with Disabilities Act of 1990 with amendments.
 - a. Hinges: Adjustable type, adjustable to hold door open at any angle up to 90 degrees. Provide gravity type, spring action cam type, or concealed torsion type to suit manufacturer's standards.
 - b. Latch and Keeper: Manufacturer's standard surface mounted latch unit, designed for handicapped accessibility, with combination rubber faced door strike and keeper.
 - c. Coat Hook: Manufacturer's standard combination coat-hook and rubber tipped bumper, sized to prevent door hitting mounted accessories.
 - d. Door Pull: Manufacturer's standard unit for out-swinging doors. Provide pulls on both faces of handicapped compartment doors.

FABRICATION

- J. General: Provide standard doors, panels, screens, and pilasters fabricated for compartment system. Provide units with cutouts and drilled holes to receive compartment-mounted hardware, accessories, and grab bars, as indicated.
 1. Provide internal reinforcement in metal units for compartment-mounted hardware, accessories, and grab bars, as indicated.

- K. Plastic-Laminate Compartments and Screens: Pressure laminate facing sheets to core material without splices or joints in facings or cores. Apply laminate to edges before broad surfaces to seal edges and prevent laminate from being pried loose. Seal exposed core material at cutouts to protect core from moisture.
- L. Overhead-Braced-and-Floor-Anchored Compartments: Provide manufacturer's standard corrosion-resistant supports, leveling mechanism, fasteners, and anchors at pilasters to suit floor conditions. Make provisions for setting and securing continuous head rail at top of each pilaster. Provide shoes at pilasters to conceal supports and leveling mechanism.
- M. Wall-Hung Screens: Provide units in sizes indicated of same construction and finish as compartment panels, unless otherwise indicated.
 - 1. Provide metal-faced screens with integral full-height flanges for attachment to wall.
- N. Doors: Unless otherwise indicated, provide 24-inch- (610-mm-) wide in-swinging doors for standard toilet compartments and 36-inch- (914-mm-) wide out-swinging doors with a minimum 32-inch- (813-mm-) wide clear opening for compartments indicated to be handicapped accessible.
 - 1. Hinges: Manufacturer's standard self-closing type that can be adjusted to hold door open at any angle up to 90 degrees.
 - 2. Latch and Keeper: Recessed latch unit designed for emergency access and with combination rubber-faced door strike and keeper. Provide units that comply with accessibility requirements of authorities having jurisdiction at compartments indicated to be handicapped accessible.
 - 3. Latch and Keeper: Manufacturer's standard surface-mounted latch unit with combination rubber-faced door strike and keeper designed for emergency access. Provide units that comply with accessibility requirements of authorities having jurisdiction at compartments indicated to be handicapped accessible.
 - 4. Coat Hook: Manufacturer's standard combination hook and rubber-tipped bumper, sized to prevent door from hitting compartment-mounted accessories.
 - 5. Door Bumper: Manufacturer's standard rubber-tipped bumpers at out-swinging doors or entrance screen doors.
 - 6. Door Pull: Manufacturer's standard unit that complies with accessibility requirements of authorities having jurisdiction at out-swinging doors. Provide units on both sides of doors at compartments indicated to be handicapped accessible.

EXECUTION

INSTALLATION

- O. General: Comply with manufacturer's written installation instructions. Install units rigid, straight, plumb, and level. Provide clearances of not more than 1/2 inch (13 mm) between pilasters and panels and not more than 1 inch (25 mm) between panels and walls. Secure units in position with manufacturer's recommended anchoring devices.
 - 1. Secure panels to walls and panels with not less than 2 stirrup brackets attached near top and bottom of panel. Locate wall brackets so holes for wall anchors occur in masonry or tile joints. Align brackets at pilasters with brackets at walls.

- P. Overhead-Braced-and-Floor-Anchored Compartments: Secure pilasters to floor and level, plumb, and tighten. Secure continuous head rail to each pilaster with not less than 2 fasteners. Hang doors and adjust so tops of doors are parallel with overhead brace when doors are in closed position.
- Q. Screens: Attach with anchoring devices according to manufacturer's written instructions and to suit supporting structure. Set units level and plumb and to resist lateral impact.

ADJUSTING AND CLEANING

- R. Hardware Adjustment: Adjust and lubricate hardware according to manufacturer's written instructions for proper operation. Set hinges on in-swinging doors to hold open approximately 30 degrees from closed position when unlatched. Set hinges on out-swinging doors and swing doors in entrance screens to return to fully closed position.
- S. Provide final protection and maintain conditions that ensure toilet compartments and screens are without damage or deterioration at the time of Substantial Completion.

END OF SECTION 10 21 13.16