

## Accurate Partitions

### SECTION 10 2113 - METAL TOILET COMPARTMENTS

#### PART 1 - GENERAL

##### 1.01 SECTION INCLUDES

- A. Powder coated steel partitions.
- B. Stainless steel partitions.
- C. Compartment installation hardware.

##### 1.02 RELATED REQUIREMENTS

- A. Section 05 5000 - Metal Fabrications: Concealed steel support members.
- B. Section 06 1000 - Wood Framing: Concealed wood framing and blocking for compartment support.
- C. Section 10 2000 - Toilet and Bath Accessories.

##### 1.03 REFERENCES

- A. LEED Green Building Rating System
  - 1. MR 4.1 and MR 4.2: Recycled Content.
  - 2. MR 6.0: Rapidly Renewable Materials.
  - 3. MR 7.0: Certified Wood.
  - 4. EQ 4.1, EQ 4.2, EQ 4.4: Low Emitting Materials.

##### 1.04 SUBMITTALS

- A. Submit under provisions of Section 01 3000.
- B. Product Data: Manufacturer's data sheets on each product to be used, including:
  - 1. Literature indicating typical panel, pilaster, door, hardware and fastening.
  - 2. Preparation instructions and recommendations.
  - 3. Storage and handling requirements and recommendations.
  - 4. Installation methods.
- C. Shop Drawings:
  - 1. Dimensioned plans indicating layout of toilet compartments.
  - 2. Dimensioned elevations indicating heights of doors, pilasters, separation partitions, and other components; indicate locations and sizes of openings in compartment separation partitions for toilet and bath accessories to be installed in partitions; indicate floor and ceiling clearances.
  - 3. Details indicating anchoring components (bolt layouts) and methods for project conditions; indicate components required for installation, but not supplied by toilet compartment manufacturer.
- D. Selection Samples: For each finish product specified, one complete set of color selection guides representing manufacturer's full range of available colors, textures and patterns.
- E. Verification Samples: For each finish product specified, two samples, minimum size 6 inches square, representing actual product, color, texture and pattern.
- F. LEED Green Building Rating System: Submit certification points at time of submittal.

##### 1.05 DELIVERY, STORAGE, AND HANDLING

- A. Store products in manufacturer's unopened packaging until ready for installation.
- B. Lay cartons flat, with adequate support to ensure flatness and to prevent damage to pre-finished surfaces.
- C. Do not store where ambient temperature exceeds 120 degrees F.

##### 1.06 PROJECT CONDITIONS

- A. Maintain environmental conditions (temperature, humidity, and ventilation) within limits recommended by manufacturer for optimum results. Do not install products under environmental conditions outside manufacturer's absolute limits.
- B. Do not deliver materials or begin installation until building is enclosed, with complete protection from outside weather, and building temperature maintained at a minimum of 60 degrees F.

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### 1.07 WARRANTY

- A. Provide warranty for powder coated steel material against chipping, flaking, cracking, or discoloration for 3 years, assuming proper maintenance according to manufacturer's recommendations.
- B. Provide warranty for stainless steel material against corrosion or discoloration for 5 years, assuming proper maintenance according to manufacturer's recommendations.

### 1.08 COORDINATION

- A. Coordinate Work with placement of support framing and anchors in walls and ceilings.

## PART 2 - PRODUCTS

### 2.01 MANUFACTURERS

- A. Accurate Partitions Corp, P. O. Box 287; Lyons, IL 60534-0287; Tel: 708-442-6800; Fax: 708-442-7439; [www.accuratepartitions.com](http://www.accuratepartitions.com)

### 2.02 COMPARTMENTS AND SCREENS

- A. Toilet Compartments: Floor anchored/overhead braced.
  - 1. Compartment Depth and Width: As indicated on drawings.
  - 2. Door Width:
    - a. Width: 24 inches, minimum; at accessible compartments 36 inches minimum.
    - b. As indicated on drawings.
  - 3. Height Above Floor: 12 inches.
  - 4. Door/Panel Height: 58 inches.
  - 5. Pilaster Height: 82 inches.
- B. Toilet Compartments: Ceiling hung.
  - 1. Compartment Depth and Width: As indicated on drawings.
  - 2. Door Width:
    - a. Width: 24 inches, minimum; at accessible compartments 36 inches minimum.
    - b. As indicated on drawings.
  - 3. Height Above Floor: 12 inches.
  - 4. Door /Panel Height: 58 inches.
  - 5. Pilaster Height: As indicated on drawings.
- C. Toilet Compartments: Floor anchored.
  - 1. Compartment Depth and Width: As indicated on drawings.
  - 2. Door Width:
    - a. Width: 24 inches, minimum; at accessible compartments 36 inches minimum.
    - b. As indicated on drawings.
  - 3. Height Above Floor: 12 inches.
  - 4. Door/Panel Height: 58 inches.
  - 5. Pilaster Height: 70 inches.
- D. Toilet Compartments: Floor and ceiling anchored.
  - 1. Compartment Depth and Width: As indicated on drawings.
  - 2. Door Width:
    - a. Width: 24 inches, minimum; at accessible compartments 36 inches minimum.
    - b. As indicated on drawings.
  - 3. Height Above Floor: 12 inches.
  - 4. Door/Panel Height: 58 inches.
  - 5. Pilaster Height: As indicated on drawings.
- E. Privacy and Urinal Screens: Post-to-ceiling.
  - 1. Screen Panel Width: As indicated on drawings.
  - 2. Screen Panel Height:
    - a. Height: 58 inches.
  - 3. Post: 1-3/4 inches square by 10 feet long maximum.
  - 4. Pilaster: Minimum 6 inches wide by maximum 10 feet long.
- F. Privacy and Urinal Screens: Floor anchored

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1. Screen Panel Width: As indicated on drawings.
  2. Screen Panel Height: 58 inches.
  3. Height Above Floor: Height: 12 inches.
  4. Pilaster: Minimum 6 inches wide by maximum 70 inches long.
- G. Privacy and Urinal Screens: Wall hung.
1. Screen Panel Size: As indicated on drawings.
  2. Height Above Floor: As indicated on drawings.

### 2.03 POWDER COATED STEEL TOILET COMPARTMENTS

- A. Doors, Panels, Screens, and Pilasters: Tension leveled, cold-rolled galvanized steel face sheet, bonded under pressure to honeycomb core with non-toxic adhesive.
1. Doors, Screens, and Panels: 1 inch thick; 22 gage steel.
  2. Pilasters:
    - a. Overhead Braced, Floor to Ceiling 1-1/4 inches thick, 22 gage steel.
    - b. Floor Mounted, Ceiling Hung 1-1/4 inches thick, 18 gage steel.
  3. Edge Moldings: Continuous roll-formed interlocking, 22 gage steel crown molding, brazed and ground smooth at corners.
- B. Finish: Epoxy/polyester powder coat electrostatically applied to phosphate treated steel, baked to cure.
1. Color: As selected from manufacturer's standard colors.
- C. Door Hardware: Attached with theft resistant barrel nuts and shoulder screws.
1. Finish:
    - a. Chrome plated Zamac or Type 304.
    - b. Stainless Steel, No. 4 satin finish.
  2. Hinges:
    - a. Internal Spring with adjustable Cam, not dependent on gravity -action to keep door at desired position when not in use; two per door.
    - b. Continuous spring loaded, stainless steel piano hinge.
    - c. Continuous cam-action, stainless steel piano hinge.
  3. Strike and Keeper: With concealed latch assembly and provisions for external emergency access.
  4. Disabled Access: Accessible paddle handles on doors.
  5. Coat Hook and Bumper: Manufactures standard surface mounted.
  6. Door Pull: Standard on accessible compartments.
  7. Fastening Hardware: Manufacturers standard theft resistant heads.
- D. Mounting Brackets:
1. Chrome plated Zamac stirrup brackets with theft resistant screws.
  2. Aluminum continuous brackets with theft resistant screws.
  3. Type 304 Stainless Steel, No. 4 satin finish, stirrup brackets with theft resistant screws.
  4. Type 304 Stainless Steel, No. 4 satin finish, continuous brackets with theft resistant screws.
- E. Pilaster Shoes: Type 304 Stainless Steel, No. 4 satin finish. Minimum 3 inches high secured to floor with internal clips.
- F. Headrail: Manufactures standard anodized aluminum with anti-grip profile.
- G. Pilaster Anchors:
1. Floor Anchored/Overhead Braced: One-piece mounting fork with leveling nut in pilaster.
  2. Floor Anchored: Welded anchoring bracket with leveling nut; two 3/8 inch zinc plated concrete anchors for each pilaster.
  3. Ceiling Hung: Welded anchoring bracket with 3/8 inch diameter zinc-plated rods for each pilaster, to anchor to overhead structural steel member, located within 2-1/2 inches of finished ceiling.
  4. Floor Anchored and Ceiling Hung: Zinc-plated 15-gage mounting channels secured to floor and overhead structural steel member.

### 2.04 STAINLESS STEEL TOILET COMPARTMENTS

- A. Doors, Panels, Screens, and Pilasters: Tension leveled stainless steel face sheet with #4 finish, bonded under pressure to honeycomb core with non-toxic adhesive.
1. Doors, Screens, and Panels: 1 inch thick, 22 gage steel.
  2. Pilasters:
    - a. Overhead Braced, Floor to Ceiling, 1-1/4 inches thick, 22 gage steel.
    - b. Floor Anchored, Ceiling Hung, 1-1/4 inches thick, 18 gage steel.

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3. Edge Moldings: Continuous roll-formed, interlocking 22 gage steel crown molding, welded and ground smooth at corners.
4. Finish:
  - a. Type 304 stainless steel #4 Satin finish.
  - b. Textured "diamond" pattern similar to Rigidized 5WL.
  - c. Textured "leather grain" pattern similar to Rigidized 60-LTH.
- B. Door Hardware:
  1. Finish: Chromium plated Zamac attached with theft resistant barrel nuts and shoulder screws.
  2. Finish: Type 304 Stainless Steel, No. 4 satin finish attached with theft resistant barrel nuts and shoulder screws.
  3. Hinges:
    - a. Internal Spring with adjustable Cam, not dependent on gravity -action to keep door at desired position when not in use; two per door.
    - b. Continuous, spring loaded, stainless steel piano hinge.
    - c. Continuous , cam-action, stainless steel piano hinge.
  4. Strike and Keeper: With concealed latch assembly and provisions for external emergency access.
  5. Disabled Access: Accessible paddle handles on doors.
  6. Coat Hook and Bumper: Manufactures standard surface mounted.
  7. Door Pull: Standard on accessible compartments.
  8. Fastening Hardware: Manufacturers standard theft resistant heads.
- C. Mounting Brackets:
  1. Chrome plated Zamac stirrup brackets with theft resistant screws.
  2. Aluminum continuous bracket with theft resistant screws.
  3. Type 304 Stainless Steel, No. 4 satin finish, stirrup brackets with theft resistant screws.
  4. Type 304 Stainless Steel, No. 4 satin finish continuous bracket with theft resistant screws.
- D. Pilaster Shoes: Type 304 stainless steel with number 4 finish. Minimum 3 inches high secured to floor w/internal clips.
- E. Headrail: Manufactures standard, Anodized Aluminum; with anti-grip profile.
- F. Pilaster Anchors:
  1. Floor Anchored/Overhead Braced: One-piece mounting fork with leveling nut in pilaster.
  2. Floor Anchored: Welded anchoring bracket with leveling nut; two 3/8 inch zinc plated concrete anchors for each pilaster.
  3. Ceiling Hung: Welded anchoring bracket with 3/8 inch diameter zinc plated rods for each pilaster, to anchor to overhead structural steel member, located within 2-1/2 inches of finished ceiling.
  4. Floor Anchored and Ceiling Hung: Zinc-plated 15 gage mounting channels secured to floor and overhead structural steel member.

## PART 3 - EXECUTION

### 3.01 EXAMINATION

- A. Do not begin installation until installation conditions and substrates have been properly prepared.
- B. Verify dimensions of areas to receive compartments.
- C. Verify locations of built-in framing, anchorage, bracing, and plumbing fixtures.
- D. Verify substrates have been properly installed.
- E. If installation conditions and substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

### 3.02 PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

### 3.03 INSTALLATION

- A. Install in accordance with approved shop drawings and manufacturer's instructions.
- B. Fasten components to adjacent materials and to other components using purpose-designed fastening devices.

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- C. Adjust pilaster anchors for substrate variations; conceal anchors with pilaster shoes.
- D. Equip each compartment door with top and bottom hinges and door latch.
- E. Install door strike keeper on pilasters in alignment with door latch.
- F. Equip each compartment door with one coat hook and bumper.
- G. Installation Tolerances:
  - 1. Maximum variations from plumb or level: 1/8 inch.
  - 2. Clearance between wall surface and panels or pilasters: 1-1/2 inch maximum.

### 3 .04 ADJUSTING

- A. Adjust and align hardware to uniform clearance at vertical edge of doors.
- B. Adjust door swings to comply with access requirements.
- C. Adjust adjacent components for consistency of line or plane.

### 3 .05 PROTECTION

- A. Protect installed products until completion of project.
- B. Touch-up, repair or replace damaged products before Substantial Completion.
- C. Remove factory protective coverings and clean finish surfaces in accordance with manufacturer's instructions before substantial completion.

END OF SECTION