**Product Specification Guide**

This product guide specification is written according to the Construction Specifications Institute (CSI) 3-Part Format.

**Specifier**: The document must be carefully reviewed and edited by the Architect to meet the requirements of the project and local building code. Coordinate this section with other specification sections and the Drawings. Delete all “Notes” when editing this section.

Metpar is the industry leader in the manufacture of premium toilet partitions, shower/changing compartments, and washroom accessories.

For any specification or product questions, please contact Metpar Corporation, Westbury, NY 11590; Phone: 516-333-2600: Email: [sales@metpar.com](mailto:sales@metpar.com), or visit the Metpar website [www.metpar.com](http://www.metpar.com).

**Specifier**: Edit the section title as required.

SECTION 10 21 00 – COMPARTMENTS AND CUBICLES

TOILET PARTITIONS

**PART 1 - GENERAL**

* + - 1. **SECTION INCLUDES**

**Specifier**: Select a material below and delete the unneeded options. For product/material information, view details here: https://metpar.com/toilet-partitions/

* + - * 1. Toilet Partitions:

Powder Shield

**Specifier**: “Related Requirements” paragraph and subparagraphs are included here for information, but are frequently deleted from project specifications. If retaining, edit subparagraphs as required to coordinate with construction documents and components specified.

* + - 1. **RELATED REQUIREMENTS**
         1. Section 06 10 00 – Rough Carpentry
         2. Section 05 50 00 – Metal Fabrications
         3. Section 10 28 00 – Toilet, Bath, and Laundry Accessories

**Specifier**: “References” paragraph and subparagraphs are included here for information, but are frequently deleted from project specifications. If retaining, edit subparagraphs as required to coordinate with construction documents and components specified.

* + - 1. **REFERENCES**
         1. American National Standards Institute (ANSI):

ANSI/ICC A117.1 - Accessible and Usable Buildings and Facilities.

* + - * 1. ASTM International:

ASTM A591 - Standard Specification for Steel Sheet, Electrolytic Zinc-Coated, for Light Coating Weight (Mass) Applications.

ASTM A653 - Steel Sheet, zinc-coated (galvanized) or zinc iron alloy-coated, galvanealed by hot dip process.

ASTM A666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.

ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

* + - 1. **SUBMITTALS**
         1. Submit under provisions of Section 01 30 00 - Administrative Requirements.
         2. Product Data: Manufacturer's product data for materials, fabrication, and installation including catalog cuts of anchors, hardware, fastenings, and accessories, including:

Preparation instructions and recommendations.

Storage and handling requirements and recommendations.

Installation methods.

* + - * 1. Shop Drawings:

Provide 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.

**Specifier**: Delete “Verification Samples” section below if Architect has already made product and color selections.

* + - * 1. Verification Samples: For each finish product specified, two samples, minimum size 6 inches (150 mm) square representing actual product, color, and patterns.
      1. **QUALITY ASSURANCE**
         1. Manufacturer Qualifications: A company regularly engaged in manufacture of products specified in this section, and whose products have been in satisfactory use under similar service conditions for not less than 5 years.
         2. Performance Requirements:

Fire Resistance: Partition materials shall comply with the following requirements, when tested in accordance with the ASTM E 84: Standard Test Method for Surface Burning Characteristics of Building Materials:

Smoke Developed Index: Not to exceed 450.

Flame Spread Index: Not to exceed 25.

**Specifier**: Include mock-up if the project size and/or quality warrant taking such a precaution. The following is one example of how a mock-up on a large project might be specified. When deciding on the extent of the mock-up, consider all the major different types of work on the project. Delete this section if not required.

* + - * 1. Mock-Up: Provide a mock-up for evaluation of surface preparation techniques and application workmanship.

Finish areas designated by Architect.

Do not proceed with remaining work until workmanship is approved by Architect.

Rebuild mock-up area as required to produce acceptable work.

* + - 1. **DELIVERY, STORAGE, AND HANDLING**
         1. Store products in manufacturer's unopened packaging until ready for installation.
         2. Store and dispose of solvent-based materials, and materials used with solvent-based materials, in accordance with requirements of local authorities having jurisdiction.
      2. **PROJECT CONDITIONS**
         1. 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. Manufacturers storage and handling instruction shall be reviewed and maintained.
         2. Field Measurements: Take field measurements prior to component fabrication to ensure proper fitting of work.
      3. **WARRANTY**

**Specifier**: Select based on material type and delete unneeded lines. Delete entire section if warranty is not required.

* + - * 1. Warranty: Manufacturer's standard form to repair or replace toilet compartment components (panels, doors, pilasters, and hardware) against defects in material and workmanship, at no cost to owner for the specified warranty period. Provide warranty to owner after completion of installation.

Powder Shield: Four (4) Years.

**PART 2 - PRODUCTS**

* + - 1. **MANUFACTURERS**
         1. Acceptable Manufacturer: Metpar Corp., which is located at: 95 State St.; Westbury, NY 11590

Contact Information: Phone : 516-333-2600, Email: [sales@metpar.com](mailto:sales@metpar.com), Website: [www.metpar.com](http://www.metpar.com)

**Specifier**: Delete one of the following Sections (B or C); coordinate with requirements of Division 1 section on product options and substitution.

* + - * 1. Substitutions: Not permitted.
        2. Requests for substitutions will be considered in accordance with provisions of Section 01 60 00 - Product Requirements.
      1. **COMPARTMENTS AND SCREENS – GENERAL**
         1. General: Doors, panels, screens, and pilasters assembled into complete compartment system, with cutouts and drilled holes to receive hardware as indicated; processed and fabricated in a craftsman like manner; complying with ANSI/ICC A117.1, Americans with Disabilities Act (ADA).
      2. **POWDER SHIELD PARTITIONS**
         1. Mounting Style:

Powder Shield Toilet Partitions: Ceiling Hung "Forum" CH-700:

Compartment Depth and Width: As indicated on Drawings.

Door Width: 22 inch (559 mm) minimum; at ADA accessible compartments 32 inch (813 mm) clear minimum or as required by local codes.

Pilaster Width: As required to fit space; maximum 24 inches (610 mm).

Pilaster Height: As required to fit space, maximum 120 inches (3048 mm).

Pilasters Mountings:

Mounting Channels: 12-gauge steel electrically welded to the pilaster face sheets.

Fastening: 3/8 inch (9.5 mm) diameter studs, lock washers, nuts, attached to overhead support system (e.g. steel beam by others).

Shoes/Plinths: 4 inch (102 mm) high type 304 stainless steel plinth.

* + - * 1. Privacy Series:

**Specifier**: For “Dorian Max” height, 6” height above the finished floor is standard. Delete Height Above Finished Floor options not required.

Door/Panel Height:

“Dorian Max” Height: 72 inches (1829)

12 inches (310 mm) height above the finished floor.

9 inches (229mm) height above the finished floor.

6 inches (152mm) height above the finished floor.

**Specifier**: Door privacy strips are provided for both strike side & hinge sides to eliminate gaps between the door & pilaster, creating a “No-Sight” system. This is standard for “Dorian Max” heights; however, this still remains optional as per project preferences. Delete options not required.

Door Privacy Strips:

Continuous anodized aluminum extrusion.

Continuous aluminum extrusion, painted to match partition color.

None required.

* + - * 1. General

Doors, Panels, Screens, and Pilasters Construction:

Material: Bonderized, galvannealed steel.

**Specifier**: Two faced honeycomb core is standard. Solid wood core is optional. Delete core type not required.

Partition Core:

Cemented under pressure to a two faced honeycomb core.

Cemented under pressure to a 7-ply exterior grade plywood core.

**Specifier**: Galvannealed Steel, painted to match partition is standard. Stainless Steel is optional. Delete edge type not required.

Partition Edges:

Roll formed 20-gauge interlocking edge molding. Galvannealed Steel, painted to match partition.

Roll formed 20-gauge interlocking edge molding. Stainless Steel, Satin No. 4 finish.

Provides a contrasting appearance to the painted partition.

**Specifier**: Stainless Steel painted corner reinforcements are standard. Welded corners are optional. Delete corner type not required.

Partition Corners:

Finished with preformed, painted Type 304 stainless steel reinforcements.

Corners of wall hung urinal screens are automatically welded, ground smooth, and painted.

Welded, ground smooth, and painted.

Doors, Panels, and Screens: 1 inch (25 mm) thick with 22 gauge face sheets.

Pilasters: 1-1/4 inch (32 mm) thick with 19 gauge face sheets.

Finish: Multiple coats of epoxy hybrid powder applied electrostatically, baked to cure.

**Specifier**: Secondary graffiti-resistance clear coat high gloss layer is optional. This provides a high gloss appearance. Delete this section if not required.

Clear Coat: Include a secondary layer of graffiti-resistant clear coat high gloss applied electrostatically, baked to cure.

**Specifier**: Select color required. Delete colors not required.

Color: Multiple coats of epoxy hybrid powder applied electrostatically, baked to cure.

Color: Almond 300

Color: Sahara Beige 450

Color: Desert Tan 500

Color: Platinum 715

Color: Grey Dawn 700

Color: Nickel Silver 304

Automatically includes secondary graffiti-resistant clear coat high gloss layer applied electrostatically.

Color: Textured Black 091

Color: White 149

Color: French Grey 710

Color: Graphite 790

Color: Gunmetal Grey 750

Color: Red 650

Color: Navy Blue 870

Color: Hunter Green 950

Color: Black 021

Color: Desert Speckle 365

Color: Silver Sparkle 704

Automatically includes secondary graffiti-resistant clear coat high gloss layer applied electrostatically.

Color: Pepper Gray 765

Coyote Granite 775

Color: Ash Granite 785

Color: Navy Grafix 865

Color: To be selected by Architect from Manufacturer's full range.

**Specifier**: General note for the entire hardware section and sub-paragraphs. All door, bracket, and fastener hardware finishes must match. If continuous brackets in aluminum finish is selected, Die-cast chrome plated steel finish should be selected.

* + - * 1. Hardware:

**Specifier**: Wraparound in Chrome Plated Zamac is standard. All other hinge types and finishes are optional. Coordinate with other hardware finishes. Delete finish hinge type/finish not required.

Hinges:

Wraparound: Chrome Plated Zamac finish.

Top hinge recessed and interlocked in door and bottom hinge recessed in door.

Includes spring loaded “no rise” self-closing and concealed adjustable cam.

Wraparound: Stainless Steel No. 4 Satin finish.

Top hinge recessed and interlocked in door and bottom hinge recessed in door.

Includes spring loaded “no rise” self-closing and concealed adjustable cam.

Continuous MultiCam: Stainless Steel No. 4 Satin finish.

Full height 57 inches.

Outswing hinge has a cam action feature that returns the door to a closed position.

Inswing hinge keeps door open at 30º.

**Specifier**: Concealed Latch in Die-Cast Chrome Plated Zamac is standard. All other latch types and finishes are optional. Coordinate with other hardware finishes. Delete latch types/finishes not required.

Latches:

Concealed Latch: Die-Cast Chrome Plated Zamac finish.

ADA approved slide latch with external green/red “in-use” occupancy indicator.

Concealed Latch: Stainless Steel No. 4 Satin finish.

ADA approved slide latch with external green/red “in-use” occupancy indicator.

Surface Mounted Slide Latch: Die-Cast Chrome Plated Zamac finish.

Surface Mounted Slide Latch: Stainless Steel No. 4 Satin Finish.

**Specifier**: Die-Cast Chrome Plated Zamac is standard. Stainless Steel No. 4 Satin finish is optional. Coordinate with other hardware finishes. Delete finish not required.

Strike and Keeper:

Die-Cast Chrome Plated Zamac finish.

Stainless Steel No. 4 Satin finish.

**Specifier**: Die-Cast Chrome Plated Zamac is standard. Stainless Steel No. 4 Satin finish is optional. Coordinate with other hardware finishes. Delete finish not required.

Door Pull, Coat Hook, and Bumper:

Die-Cast Chrome Plated Zamac finish.

Stainless Steel No. 4 Satin finish.

**Specifier**: Stirrup and “U” Shaped Brackets in Die-Cast Chrome Plated Zamac is standard for “Standard” height and Continuous Angles & “U” Shaped Brackets in Clear Anodized Aluminum finish is standard for “Dorian” and “Dorian Max” heights, however, this still remains optional for all heights as per project preferences Coordinate with other hardware finishes. Delete bracket type/finish not required.

Brackets:

Stirrup and "U" Shaped Brackets: Die-Cast Chrome Plated Zamac finish.

Minimum of two fittings at each connection.

Stirrup and "U" Shaped Brackets: Stamped Stainless Steel No. 4 Satin finish.

Minimum of two fittings at each connection.

Stirrup and "U" Shaped Brackets: Cast Stainless Steel No. 4 Satin finish.

Minimum of two fittings at each connection.

Continuous Angles & “U” Shaped Brackets: Clear Anodized Aluminum finish.

Continuous Angles & “U” Shaped Brackets: Stainless Steel No. 4 Satin finish.

Continuous Roll Formed Brackets: Stainless Steel No. 4 Satin finish.

Continuous Brackets: Clear Anodized Aluminum finish.

Continuous Brackets: Anodized Aluminum, Painted to match partition color.

**Specifier**: Polished Chrome Plated Zamac finish is standard. Stainless Steel No. 4 Satin finish is optional. Coordinate with other hardware finishes. Delete finish not required.

Fasteners:

Tamper-proof Torx Pin Head through bolts. Polished Chrome Plated Zamac.

Tamper-proof Torx Pin Head through bolts. Stainless Steel No. 4 Satin finish.

**PART 3 - EXECUTION**

* + - 1. **EXAMINATION**
         1. Do not begin installation until substrates have been properly prepared.
         2. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.
      2. **PREPARATION**
         1. Clean surfaces thoroughly prior to installation.
         2. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.
      3. **INSTALLATION**
         1. General: Install in accordance with manufacturer's instructions.

Install compartment units rigid, straight, plumb and level.

Provide clearance of not more than 1/2 inch (13 mm) between stiles and panels and not more than 1 inch (25 mm) 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 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.

Level, plumb, and tighten installation with devices furnished.

* + - * 1. Ceiling Hung Compartments:

Secure stiles to supporting structure.

Hang doors and adjust door so door bottoms are level with bottoms of stiles when doors are in closed position.

* + - 1. **ADJUSTING AND CLEANING**
         1. 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.
      2. **PROTECTION**
         1. Protect installed products until completion of project.
         2. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION