**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**
         1. Toilet Partitions:

Solid Plastic “Polly” (HDPE)

**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. National Fire Protection Association: NFPA 286 – Standard Methods of Fire Test for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth.
      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.

**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**
         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.

Solid Plastic “Polly” (HDPE): Fifteen (15) 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. **SOLID PLASTIC “POLLY” (HDPE) TOILET PARTITIONS**
         1. Mounting Style:

Solid Plastic “Polly” (HDPE) Toilet Partitions: Floor-to-Ceiling:

Compartment Depth and Width: As indicated on Drawings.

Doors 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).

**Specifier**: You have selected FP/CH. “Floor-to-Ceiling” mounting style has two options for top/ceiling mounting (FP/FP and FP/CH). The difference is in the top/ceiling mounting where “FP/FP” attaches with sheet metal screws while the “FP/CH” uses bolts attached to an overhead support system (e.g., Steel beam). 3-part specs for both options can be found here: <https://metpar.com/tech-docs/>. Delete this note once read.

Pilaster Mountings F/C FP/CH: FP mounting at floor and CH mounting at ceiling.

Floor mounting includes a leveling bolt threated to pilaster bottom support bracket and two angles attaching to the floor with No. 12 x 2-1/2 inch (64 mm) screws and shields.

Ceiling mounting includes steel bar attached to pilaster and 3/8” threaded rods, lock washers and nuts to attach to overhead support system (e.g. Steel Beam, by others).

Shoes/Plinths: Mountings concealed with a 3 inch (76 mm) high, 20 gauge, type 304 stainless steel No. 4 satin finish plinth.

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

* + - * 1. Privacy Series

Door/Panel Height:

“Dorian Max” Height: 72 inches (1829)

13-1/2 inches (343 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 edges eliminate gaps between the door & pilaster, creating a “No-Sight” system. This is standard for “Dorian Max” height; however, this still remains optional for all heights as per project preferences. Delete options not required.

Door Privacy Edge:

Rabbeted edge on strike side of door and pilaster and continuous hinge on hinge side.

None required.

* + - * 1. General:

Doors, Panels, Screens, and Pilasters Construction:

Material: Sheet of solid, homogenous, high-density polyethylene resins.

Doors, Panels, and Screens: 1 inch (25.4 mm) thick.

Includes integrated aluminum heat sink at bottom, to dissipate heat from incendiary devices used by vandals.

Pilasters: 1 inch (25.4 mm) thick.

Partition Edge & Corner Radius:

Edge Radius: 1/4 inch (6.4 mm).

Corner Radius: 1/2 inch (13 mm).

**Specifier**: Select fire rating required. Class “B” is standard and “NFPA 286” is optional. Delete option not required.

Fire Rating:

Class “B” Fire Rated per ASTM E 84.

NFPA 286 Compliant.

Finish: Orange peel texture.

**Specifier**: Select color required. Note Grey Dawn 700, Cream 180, Violet Blue 780, Slate Grey 680, Black 910, and Galactica 928 are also available in NFPA 286 Compliant material. Delete colors not required.

Color:

Color: Grey Dawn 700

Color: Almond 300

Color: Coffee 240

Color: Cream 180

Color: Khaki 520

Color: Platinum 630

Color: Pale Green 510

Color: Claret 460

Color: Violet Blue 780

Color: Evergreen 580

Color: Slate Grey 680

Color: Black 910

Color: Stone Granite 638

Color: Grey Granite 658

Color: White Granite 138

Color: Galactica 928

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.

* + - * 1. Hardware

**Specifier**: For “Dorian Max”, Continuous MultiCam is standard. All other hinge types and finishes are optional. Coordinate with other hardware finishes. Delete hinge type not required.

Hinges

Integral with Nylon Cam

Minimum 5” (127 mm) pilaster width required.

Recessed into pilaster.

Can be adjusted from closed to varying open positions.

Aluminum Wraparound style with Bright Polished finish.

Continuous MultiCam with Stainless Steel No. 4 Satin finish.

Full height 55” (1397 mm).

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

Inswing hinge keeps door at 30º.

**Specifier**: Aluminum Bright Polished finish is standard. Stainless Steel No. 4 Satin finish is optional. Coordinate with other hardware finishes. Delete latch finish not required.

Latches:

Surface Mounted Slide Latch: Aluminum Bright Polished finish with black slide.

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

**Specifier**: Wraparound in Aluminum Bright Polished finish standard. Stainless Steel No. 4 Satin finish is optional. Coordinate with other hardware finishes. Delete finish not required.

Strike and Keeper:

Wraparound: Aluminum Bright Polished finish.

Wraparound: Stainless Steel No. 4 Satin finish.

**Specifier**: Aluminum Bright Polished finish 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:

Aluminum Bright Polished finish.

Stainless Steel No. 4 Satin finish.

**Specifier**: Continuous Angles & U-Shaped Brackets in Clear Anodized Aluminum are standard. All other brackets and finishes are optional as per project preferences. Coordinate with other hardware finishes. Delete bracket type/finish not required.

Brackets:

Stirrup Brackets using 1-ear/2-ear and “U” Shaped Brackets: Stamped Stainless Steel No. 4 Satin finish.

Minimum of two fittings at each connection.

Stirrup Brackets using 1-ear/2-ear 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.

**Specifier**: Polished Chrome Plated Zamac is standard. Stainless Steel is optional. Coordinate with other hardware finishes. Delete finish not required.

Fasteners:

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

Tamper-proof Torx Pin Head. 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.

If “U” Shaped Brackets are selected, secure panels to walls with not less than two brackets attached near top and bottom of panel. If “Continuous” Brackets are selected, secure panels to walls with continuous attachment.

If “U” Shaped Brackets are selected, secure panels to stiles with not less than two brackets located to align with brackets at wall. If “Continuous” Brackets are selected, secure panels to walls with continuous attachment.

Secure panels in position with manufacturer's recommended anchoring devices.

Level, plumb, and tighten installation with devices furnished.

* + - * 1. Floor to Ceiling Compartments:

Secure divider panels to built-in anchorage devices using concealed fasteners.

Hang doors and adjust so door bottoms are as specified off floor 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