StonePly™ Stone Toilet Compartments

This section is based on the products of

StonePly Co.

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Greenville, TX  75401

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**SECTION 10 21 13.40**

**Stone Toilet Compartments**

**PART 1 - GENERAL**

1.1 SUMMARY

1. Section includes: StonePly toilet compartments, urinal screens, privacy screens including required fittings, hardware, and accessories.
2. Furnish and install supplementary blocking and accessories as shown in drawings for a complete and secure installation.

1.2 REFERENCES

1. Americans with Disabilities (ADA) Standards for Accessible Design.
2. ANSI A117.1 - American National Standard for Buildings and Facilities - Providing Accessibility and Usability for Physically Handicapped People.
3. ASTM E84 - Surface Burning Characteristics of Building Materials.
4. UFAS - Uniform Federal Accessibility Standards.
5. ASTM C 119-04: Terminology Relating to Dimension Stone

1.3 SUBMITTALS

1. Product Data: Submit product data, specifications and manufacturer’s installation instructions.
2. Shop Drawings: Submit shop drawings for Architect’s review and approval prior to fabrication, including pertinent details for installation, showing layout plan, sizes, attachments, supports and adaptation of system to specific project.
3. Samples: Submit a minimum of one 6" by 6" sample for each stone type selected.
4. Test Data: Submit a summary of testing conducted verifying partition panel performance characteristics.

1.4 QUALITY ASSURANCE

1. Source: Provide StonePly partitions which are the products of one manufacturer.

1.5 FIELD MEASUREMENTS

1. Installer shall verify that field measurements are as indicated on shop drawings. Advise of any changes before fabrication and indicate measurements on Shop Drawings.
2. Coordination: Coordinate location and quantity of any concealed in wall blocking.

1.6 DELIVERY, STORAGE AND HANDLING

1. Deliver materials and products in unopened factory labeled packages.
2. Store products in manufacturer's unopened packaging until ready for installation, in a clean dry area protected from weather, moisture and damage; store units upright and not stacked unless permitted by manufacturer.

**PART 2 - PRODUCTS**

2.1 ACCEPTABLE MANUFACTURER

1. Acceptable Manufacturer:  StonePly Co., 4400 Oneal St, Greenville, TX  75401

Tel: (903) 454-0904. Fax: (903)454-3642.

Email: sales@stoneply.com   [www.Stoneply.com](http://www.Stoneply.com)

1. Substitutions:  Not permitted.

2.2 MATERIALS AND PRODUCTS

1. Varieties and Source:
   1. Stone: [**Insert stone variety**] by StonePly Co.
2. The stone shall match the sample
   1. Stone Finish shall be (select one) [polished], [honed],or [custom], [to match the approved sample]. Polished finish is standard.
3. All reinforced stone partition panels and doors shall have the following properties.
   1. Thickness 1” or 1¼” to match standard of design
   2. Facing: ¼” thickness of natural granite, marble or limestone as selected
   3. All exposed edges of panel shall be natural stone
   4. Reinforcing: ½” or ¾“aluminum honeycomb composite bonded with high strength epoxy.
   5. Average Weight: 4.5 lbs. per sq. ft.
   6. Dimensional Tolerance: Plus or minus 1/8" (3.2mm) in all directions. Plus or minus 1/8" (3.2mm) diagonally.
   7. PERFORMANCE REQUIREMENTS
4. The stone panel’s performance shall meet or exceed the following properties.
5. Acid-Freeze-Thaw: Loss in flexural strength shall not exceed 20% after 100 freeze thaw cycles + 170F to -10F immersed in dilute sulfuric acid.
6. Large Missile Impact test: Missile impact panel with a solid wood stud, nominal 2 x 4, #2 surface dry, Southern Pine of not less than 8'-6'. in length and 9 lbs. in weight at a velocity between 50 and 52 ft./sec. without defined specimen failure.
7. Tension Bond Capacity: Shall exceed the tensile strength of the stone selected or 320 psi following accelerated aging by rapid freeze thaw temperature cycling from -20 degrees F to +130 degrees F.
8. Flame Spread ASTM E-84 : 0 Maximum smoke development: 5. Maximum fuel contribution: 0
   1. ACCESSORIES
9. Brackets: Stirrup Type: U-brackets,
   1. [Chrome-plated, nonferrous, cast zinc alloy]
   2. [Clear anodized aluminum]
   3. [Stainless steel]
   4. [Chrome-plated brass].
10. Hardware and Accessories: Manufacturer's standard design hardware and accessories.
    1. [Chrome-plated, nonferrous, cast zinc alloy]
    2. [Clear anodized aluminum]
    3. [Stainless steel]
    4. [Chrome-plated brass].
11. Fasteners: Manufacturer's exposed fasteners of stainless steel or chrome-plated steel or brass, finished to match hardware.
    1. Provide theft-resistant-type heads.
    2. Provide through-bolt applications.

2.5 DOORS:

1. Provide 24-inch- wide in-swinging StonePly doors for standard toilet compartments
2. Provide 36-inch- wide out-swinging StonePly doors with a minimum 32-inch- wide clear opening for toilet compartments indicated to be ADA accessible.
3. Hardware:
   1. Hinges: Self-closing type, adjustable to hold doors open at angle up to 90 degrees.
   2. Latch and Keeper: Latch unit designed for emergency access with door strike and keeper.
   3. Coat Hook: Combination hook and rubber-tipped bumper, sized to prevent door from hitting compartment-mounted accessories.
   4. Door Bumper: Rubber-tipped bumper at out-swinging doors.
   5. Door Pull: Door pulls complying with accessibility requirements at out-swinging doors. Provide units on both sides of doors at accessible compartments.

**PART 3 – EXECUTION**

3.1 PREPARATION

1. Verify that site conditions are ready to receive work and opening dimensions are as indicated on shop drawings.
2. Verify correct spacing of plumbing fixtures.

3.2 INSTALLATION

1. Install in accordance with applicable code and manufacturer's recommendations, secure, plumb and true to line.
2. Attach panels and pilasters to brackets with tamper-resistant thru-bolted screws.
3. All panels shall be installed in proper alignment in accordance with the approved Shop Drawings.

3.3 ADJUSTMENT

1. Adjust doors to work smoothly and correctly.
2. Adjust and align hardware to uniform clearance at vertical edge of doors.
3. Adjust hinges to locate in swing doors in partial open position and out swing doors in closed position when unlatched.
   1. CLEANING
4. Clean all dirt and marks from stone partition panels using water or a stone cleaner appropriate for the type of stone and per manufacturer’s recommendations.

END OF SECTION