

SECTION NUMBERS AND TITLES IN THIS SPECIFICATION UTILIZE MASTERFORMAT 2004. THIS SPECIFICATION GUIDE IS WRITTEN ACCORDING TO THE CONSTRUCTION SPECIFICATIONS INSTITUTE (CSI) THREE-PART SECTION FORMAT (1998) AND PAGEFORMAT (1992), AS CONTAINED IN THE CSI PROJECT RESOURCE MANUAL.

THIS SECTION MUST BE CAREFULLY REVIEWED AND EDITED BY THE ARCHITECT/ENGINEER TO MEET THE REQUIREMENTS OF THE PROJECT AND TO COORDINATE WITH OTHER SPECIFICATION SECTIONS AND THE DRAWINGS.

CONSULT COLDSRING FOR ASSISTANCE IN EDITING THIS SPECIFICATION GUIDE FOR SPECIFIC APPLICATIONS.

NOTE ITEMS THROUGHOUT THE SPECIFICATION WHERE THE SPECIFICATION STATES "SHOWN ON DRAWINGS". THE DRAWINGS NEED TO SHOW THESE ITEMS OR MODIFY THE TEXT.

NOTE ITEMS THROUGHOUT THE SPECIFICATION WHERE THE TEXT IS ENCLOSED IN SQUARE BRACKETS: [TEXT]. EDIT THE TEXT WHERE THIS OCCURS BY MAKING SELECTIONS AND DELETING TEXT NOT DESIRED.

THESE SPECIFICATIONS WERE CURRENT AT THE TIME OF PUBLICATION BUT ARE SUBJECT TO CHANGE. PLEASE CONFIRM THE ACCURACY OF THESE SPECIFICATIONS WITH THE MANUFACTURER PRIOR TO APPLICATION.

FOR MORE INFORMATION CONTACT:

COLDSRING
17482 GRANITE WEST RD.
COLD SPRING, MN 56320
TOLL-FREE: 1-800-328-5040
PHONE: 320-685-3621
FAX: 320-685-8490

SECTION 10 21 13.40

STONE TOILET COMPARTMENTS

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes stone toilet compartment as follows:

1. Floor-anchored stone toilet partitions.
2. Floor-anchored stone screens.
3. Wood doors, transparent finished.

B. Related Sections:

1. Division 10 "Toilet Accessories" for toilet accessories.

1.2 REFERENCES

- A. ASTM C 119-04: Terminology Relating to Dimension Stone
- B. ASTM C 170-90 (1999): Test Method for Compressive Strength of Dimension Stone
- C. ASTM C 615-03: Specification for Granite Dimension Stone
- D. ASTM C 880-98: Test Method for Flexural Strength of Dimensional Stone

1.3 SUBMITTALS

- A. Product Data: For each [**stone type,**] stone accessory, and other manufactured products.
 1. Each stone type: Physical properties
- B. Shop Drawings: Include plans, sections, details, and attachments to other work. Show fabrication and installation details for stone partitions.
- C. Stone Samples: (2) Sets for each stone required, exhibiting the full range of color characteristics expected; not less than 12 inches square.
- D. Door Samples:
 1. Doors: Corner sections, approximately **12 inches** square, with door faces and edges finished with materials proposed for the Work.
 2. Hardware and Fittings: Full-size Samples of each hardware and fitting item required.

1.4 QUALITY ASSURANCE

- A. Accessible: Provide compartments with hardware that comply with accessibility requirements of authorities having jurisdiction at compartments shown on Drawings to be accessible compartments.

1.5 PROJECT CONDITIONS

- A. Field Measurements: Verify actual locations of walls, columns, ceilings, and other construction contiguous with toilet compartments by field measurements before fabrication and indicate measurements on Shop Drawings.

PART 2 - PRODUCTS

2.1 STONE SOURCE

- A. Varieties and Source:
 1. Stone: [**Insert stone variety**] by Coldspring.

2.2 STONE MATERIAL

- A. Granite: ASTM C 615.
- B. Cut stone from one block or contiguous, matched blocks in which natural markings occur.
- C. Match Architect's samples.
- D. Granite Type [**insert type**]:
 - 1. Stone Variety: [**Insert stone variety**] by Coldspring.
 - 2. Location: Stone toilet partitions and screens.
 - 3. Finish:
 - a. [Polished]
 - b. [Honed]
 - c. [Diamond 8]
 - d. [Thermal]
 - e. [Diamond 10].
 - f. [Custom Finish]
 - 4. Nominal Thickness: Not less than the following nominal thickness:
 - a. [13/16 inch (+1/8" -1/16")] [20 mm]
 - b. [1-3/16 inches (+1/8" -1/16")] [30 mm]
 - c. [1-5/8 inches (+1/8" -1/16")] [41 mm]

2.3 ACCESSORIES

- A. Brackets: Stirrup Type: U-brackets,
 - 1. [Chrome-plated, nonferrous, cast zinc alloy]
 - 2. [Clear anodized aluminum]
 - 3. [Stainless steel]
 - 4. [Chrome-plated brass].
- B. 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].
- C. 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.

2.4 FABRICATION

- A. General: Fabricate stone per requirements, including Drawings and Shop Drawings.
 - 1. Granite: NSI – Dimensional Stone Design Manual

- B. Floor-Anchored Units: Provide corrosion-resistant anchoring assemblies complete with threaded rods, lock washers, and leveling adjustment nuts at pilasters for structural connection to floor. Provide shoes at pilasters to conceal anchorage.
- C. Wood Doors:
 - 1. Provide 24-inch- wide in-swinging doors for standard toilet compartments
 - 2. Provide 36-inch- wide out-swinging doors with a minimum 32-inch- wide clear opening for compartments indicated to be accessible.
- D. Hardware:
 - 1. Hinges: Self-closing type, adjustable to hold doors open at angle up to 90 degrees.
 - 2. Latch and Keeper: **[Surface-mounted]** 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 INSTALLATION

- A. General: Comply with manufacturer's written installation instructions. Install partitions to be rigid, straight, level, and plumb. Secure units in position with manufacturer's recommended anchoring devices.
 - 1. Maximum Clearances:
 - a. Pilasters and Panels: 1/2 inch.
 - b. Panels and Walls: 1 inch.
 - 2. Stirrup Brackets: Secure panels to walls and to pilasters with not less than three brackets attached at midpoint and near top and bottom of panel.
 - a. Locate wall brackets so holes for wall anchors occur in masonry or tile joints.
 - b. Align brackets at pilasters with brackets at walls.
- B. Floor-Anchored Units: Set pilasters with anchors penetrating not less than 2 inches (50 mm) into structural floor, unless otherwise indicated in manufacturer's written instructions. Level, plumb, and tighten pilasters. Hang doors and adjust so tops of doors are level with tops of pilasters when doors are in closed position.

3.2 ADJUSTING

- A. Hardware Adjustment: Adjust and lubricate hardware according to manufacturer's written instructions for proper operation. Set hinges on in-swinging doors to hold doors

open approximately 30 degrees from closed position when unlatched. Set hinges on out-swinging doors to return doors to fully closed position.

END OF SECTION