



SECTION 04820 – MODULAR WALL SHOWER SYSTEMS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This specification has been prepared by BLOCKPRO™ using generally accepted and appropriate technical information but is not intended to be solely relied upon for the specification, design, or technical applications. Having no control over the elements of design, installation, workmanship, or site conditions, BLOCKPRO™ assumes that actual design choices and installation will be made by persons trained and qualified in the appropriate disciplines. Therefore, BLOCKPRO™ disclaims all liability potentially arising from the use or misuse of this specification.
- B. Provide custom glass block, modular wall shower systems where indicated on the drawings. System includes the following materials:
 - 1. Written installation instructions.
 - 2. Layout cards. (Optional, if required)
 - 3. Insta-Curb shower curb system.
 - 4. Glass block units.
 - 5. Vinyl stack spacing system.
 - 6. Plastic shims.
 - 7. Anchors and screws.
 - 8. Caulking.
 - 9. Grout.
 - 10. Maintenance kit for glass and grout. (Optional, if required)

1.3 SUBMITTALS

- A. Product Data: For each type of product indicated. Include glass block and accessories.
- B. Provide 3-D drawing of shower wall systems to include details where glass block meets jambs and sills for Architect and Owner review and approval.
- C. Shop Drawings: Show fabrication and installation details for modular glass block shower system, including vertical and horizontal coursing and anchors.

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1.4 QUALITY ASSURANCE

- A. Source Limitations for Glass Block: Purchase modular glass block shower system and accessories from authorized BLOCKPRO™ manufacturer. Visit www.block-pro.com for a list of manufacturers.

1.5 DELIVERY, STORAGE, AND HANDLING

- A. Store modular glass block wall and accessories on elevated platforms, under cover, and in a dry location. If units are not stored in an enclosed location, cover tops and sides of stacks with waterproof sheeting, securely tied.

1.6 PROJECT CONDITIONS

- A. Weather Limitations: Proceed with installation of modular wall shower systems only when ambient and material temperatures are 50 deg F (10 deg C) or higher.
 - 1. Maintain temperature in installation areas at 50 deg F (10 deg C) or above for 48 hours after installing.

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Subject to compliance with requirements, provide products by the following:
 - 1. Modular Wall Shower System by BLOCKPRO™.
 - a. NO SUBSTITUTIONS
 - 1) Visit www.block-pro.com for a list of local distributors.

2.2 GLASS BLOCK

- A. Hollow Glass Block: Hollow units made from transparent glass, with manufacturer's standard edge coating.
 - 1. Design for hollow glass block is based on product by the following:
 - a. Pittsburgh Corning™ Corporation.
 - 2. Glass Color: As indicated by manufacturer's designations.
 - 3. Edge-Coating Color: As indicated by manufacturer's designations.
 - 4. Standard Unit Sizes: Manufacturer's standard sizes corresponding to nominal sizes indicated on Drawings.
 - 5. Corner Unit Sizes and Shapes: Manufacturer's standard units designed to form [90] [45] [22.5]-degree corners when joined with straight units of same height.

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6. End-Block Unit Size: 7-3/4 inches square by 3-7/8 inches thick, actual size.
7. End-Block Unit Size: 5-3/4 by 7-3/4 inches by 3-7/8 inches thick, actual size.
8. Top Corner Unit Sizes and Shapes: End unit with top matching finished end and with rounded finished corner in manufacturer's standard size to match end units.
9. (Optional) Finishing of jambs and heads by STYLECAP™ real glass caps. Contact BLOCKPRO™ representative for availability.

2.3 GROUT MATERIALS

- A. Polymer Modified Grout: Rapid curing, high early strength, low shrinkage, polymer modified proprietary mixture of cementitious compounds, select quartz and premium color fast pigments.
 1. Mix with potable water only.
 2. Reaches high early strength meeting ANSI A118.6 requirements in 72 hours.

2.4 MODULAR WALL SHOWER SYSTEMS ACCESSORIES

- A. Layout Cards (Optional): Product recommended by modular wall shower system manufacturer.
 1. Provide layout cards to assist in exact layout and design of glass block shower wall.
- B. Insta-Curb: Product recommended by modular wall shower system manufacturer.
 1. Provide extruded hollow vinyl units of exact length of glass block designed to create a curb and all associated accessories.
- C. Vinyl Stacking System: Product recommended by modular wall shower system manufacturer.
 1. Provide horizontal and vertical white vinyl spacers to achieve uniform joints and a plumb and level installation.
- D. Sealant: Product recommended by modular wall shower system manufacturer.
 1. Provide silicone sealants that have a VOC content of 250 g/L or less when calculated according to 40 CFR 59, Subpart D (EPA Method 24).
- E. Anchors and Screws: Provide stainless steel anchors and non-corrosive screws recommended by modular wall shower system manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine sills, jambs, and heads surrounding modular wall shower system assemblies for compliance with requirements for installation tolerances and other conditions affecting performance.
 1. Proceed with installation only after unsatisfactory conditions have been corrected.

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3.2 MODULAR WALL SHOWER SYSTEMS INSTALLATION

- A. General: Install modular wall shower systems according to manufacturer's written instructions.

3.3 GROUTING MODULAR WALL SHOWER SYSTEMS

- A. Follow manufacturer's instructions as indicated on pre-packaged materials.
 - 1. Grout shall be supplied by BLOCKPRO™ manufacturer.
 - 2. Allow grout to sit undisturbed for 5 minutes or 10 minutes for a cold jobsite, then remix.
 - 3. Apply grout to all joints, filling all voids and seams of spacing system.

3.4 CLEANING

- A. Clean modular wall shower system per manufacturer's written instructions.
- B. On surfaces adjacent to modular wall shower system, remove mortar, sealants, and other residue resulting from modular wall shower system installation, in a manner approved by manufacturers of materials involved.

3.5 CAULKING

- A. Clean jambs and sills of dust, dirt, and any contaminants which could prohibit adhesion of caulking to substrate.
 - 1. Caulking: Use caulking supplied by BLOCKPRO™ manufacturer to adhere glass block modular wall system together.
 - 2. Perimeter finish caulking and caulking materials shall be by others.

3.6 MAINTENANCE KIT (Optional products for 'Hard Water' conditions)

- A. Apply water repellent glass treatment and grout sealer to clean, dry glass block and grout per manufacturer's instructions.
 - 1. Water Repellent Glass Treatment: 'Aqualap' by PPG Industries™.
 - 2. Grout Sealer: 'Wet Look II' Sealer by Glaze 'N Seal™.

3.7 PROTECTION

- A. Protect work against damage during remainder of construction. Correct damage by cleaning, repairing or replacing, as acceptable to Architect and Owner.

END OF SECTION 04820