Prestige Cast Stone Masonry Unit Specifications

Division 4: Section 4200 Part

Part 1 – General

| SUBMITTAL

1. Submit samples in small-scale form showing the full range of colors and textures available for each exposed masonry unit required for product selection.
2. Submit a full size of product selected.
3. Submit product literature, certifications, and material test reports performed under the direction of a qualified professional engineer.

| QUALITY ASSURANCE

1. Single Source Responsibility: Obtain exposed masonry units of uniform texture and color as represented by the mock-up panel from one manufacturer. All units shall be from consecutive runs to minimize color variations.
2. Mock-Up Panels: Prior to installing unit masonry, construct sample wall panels containing the range of colors and textures expected from the units to verify selections made under sample submittals and to demonstrate aesthetic effects of materials and execution.

| DELIVERY, STORAGE, AND HANDLING

1. Prestige Cast Stone units shall be delivered on a wooden pallet, labeled, a layer of foam between layers, and shall be covered with a 4-mil plastic cover with shrink wrap applied.
2. The contractor shall be responsible for keeping all units undamaged and covered during construction.
3. Units need to be handled carefully to avoid breakage or chipping.

| PROJECT CONDITIONS

1. Cover walls with a waterproof sheeting at the end of each day’s work.
2. Protect base of walls from rain-splashed mud and/or splashed mortar by coverings spread on the ground.

PART 2 – PRODUCTS

| PRESTIGE CAST STONE MASONRY UNITS

1. All concrete masonry units shall be manufactured by Johnson Concrete Company.
2. All units to conform to the current addition of ASTM-C1364
3. Net area compressive strength, ASTM-C1194: 6,500 psi
4. Absorption 6% maximum by the cold water method
5. Freeze-thaw – ASTM C666: less than 5% after 300 cycles
6. Linear Shrinkage – ASTM C 426: Not to exceed 0.065%
7. Sizes and Shapes: Manufacturers standard nominal sizes.
8. Units shall be manufactured to include integral water repellant that complies with ASTM E 514 where specified by project specifications.

PART 3 – EXECUTION

| INSTALLATION

1. Mix architectural masonry units from several pallets as they are installed so as to produce a consistent color and texture.
2. Cut masonry units with a motor-driven saw to provide clean, sharp, and unchipped edges.
3. Add integral water repellent mortar additive (from the same manufacturer as the integral water repellent used in the masonry units) to the mortar at manufacturers recommended ratio.

| LAYING MASONRY WALLS

1. Do not lay any damaged or defective material.
2. Lay walls to comply with specified construction tolerances, with courses accurately spaced and coordinated with other construction.

| INSPECTION

1. The installed architectural units shall be viewed from a distance of 20 feet in diffused light and should comply with the finish and appearance section of ASTM C-1364.

| CLEANING

1. In-Progress Cleaning: Use a dry brush to remove excess or dripped mortar from the face of the material.
2. Final Clean Down: Use a detergent masonry cleaner that can be safely used on Decorative Concrete Masonry. We recommend EaCo Chem’s NMD 80 or equivalent. Follow the manufacturer's recommendations for proper use which includes the EaCo Chem Process for best results.
3. Do not use products which have not specifically been approved for use on Decorative Concrete Masonry.