Prestige Masonry Architectural 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.
2. Submit a full size of product selected.
3. Submit product literature, certifications, and material test reports by a qualified independent testing facility.

| QUALITY ASSURANCE

1. Single Source Responsibility: Obtain exposed masonry units of uniform texture and color from   
   one manufacturer.
2. Mock-Up Panels: Prior to installing unit masonry, construct sample wall panels to verify selections made under sample submittals and to demonstrate aesthetic effects of materials and execution.

| DELIVERY, STORAGE, AND HANDLING

1. Prestige Masonry architectural units shall be delivered on a wooden pallet, labeled, and banded with 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

| CONCRETE MASONRY UNITS

1. Load Bearing Units: ASTM C90 latest edition. Units shall not exceed 105 pcf density using expanded slate lightweight aggregate conforming to ASTM C331 and ASTM C330.
2. Reinforced Masonry Walls: No sawing of CMU cross webs to place block around rebars and conduit. All walls with vertical reinforcing shall be built with manufactured molded open end balanced ProBlock “A” and “H” units.
3. WARNING: The use of coal ash aggregates/bottom ash, cinders or similar waste products   
   SHALL NOT be allowed.

| ARCHITECTURAL MASONRY UNITS

1. All units to conform to ASTM C90 Latest Revision
2. Weight Classification: Normal Weight
3. Net Area Compressive Strength: 2700 psi
4. Basis of design and quality: All architectural units shall be manufactured by Johnson Concrete Products.   
   For submittal documents, contact Kelsey Evans at 919.667.8422 or Ricky Jones at 980.230.6428.
5. Architectural Units should be manufactured in one continuous run to achieve color consistency.
6. Sizes and Shapes: Manufacturer’s standard nominal sizes.
7. All units will be manufactured to include an integral water repellent system for the unit and mortar in accordance with ASTM-514.
8. Any variations or substitutions from the specifications shall be submitted and approved 15 days prior to bid date.
9. Unit finished face texture type shall be: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ . Sizes shall conform as indicated on   
   the architect’s drawings. Colors: Color shall be \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ or as selected by the architect from standard JCP color samples.

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 as recommended by the additive manufacturer’s recommended dosage.

| 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-90.

| 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 Architectural Concrete Masonry. Recommendation: EaCo Chem’s NMD 80. Follow the manufacturer’s recommendations for proper cleaning, including use of the EC Jet for best results.
3. Do not use products that have not specifically been approved for use on the type of   
   Architectural Concrete Masonry specified.