

SPECIFICATIONS FOR ARCHITECTURAL CONCRETE MASONRY UNITS

Architectural Concrete Masonry Units: Units shall comply with all requirements of the current issue of the following standards and with all other requirements specified herein.

1. Hollow & Solid Load bearing Units: Shall comply with all provisions as ASTM C90-96a.
2. Compressive Strengths: All units shall have a minimum compressive strength on the net area of 3500 PSI when tested in accordance with ASTM C-140.
3. Normal Weight aggregates shall conform to ASTM C-33.
4. Light weight aggregates shall conform to ASTM C-331. However, light weight aggregates shall not be used in exterior applications.
5. All Architectural units shall be manufactured by Jandris & Sons, Gardner, MA. Color shall be (Jandris product number) or color to be selected by Architect.
6. Face Design:
 - a. Smooth Face (indicate optional scores)
 - b. Split Face
 - c. Split Rib (indicate 4-rib, 8-rib)
 - d. Round Fluted
 - e. Prism
 - f. Custom Design
7. Bidders who desire to use another manufacturer shall submit samples and technical data to the architect for evaluation, inspection and written approval prior to the bid date covering this section. If the product is approved, an addenda will be issued.
8. Unit Samples: Four representative samples of the masonry units showing the range of color, texture, dimension and any scoring, similar treatment shall be submitted for approval prior to the installation of any such units.
9. Sample Panel: Prior to commencing work, the contractor shall erect on the site a sample panel of the masonry materials to be utilized. Panel size shall be approximately six feet long and four feet high and shall incorporate units, mortar, reinforcement and workmanship to be used on the job. Panel shall be protected and remain in place until removal is authorized. Approved panel shall constitute standards for colors and textures of units, mortar, bond pattern, joint finish and workmanship.
10. Optional •CHOOSE AS APPROPRIATE
 - a. Units shall have one vertical square edged score 3/8" x 3/8" located in the center of the exposed face.
 - b. Where a fire resistance rating is shown on the drawings, provide units meeting that requirement when rated in accordance with the Equivalent Thickness Method of the Building Officials Conference of America, Inc. (B.O.C.A.)
 - c. Insulation: Inserts shall be installed in the cores of blocks at the block producer's plant. Korfil "U" shaped units or Icon single face units as manufactured by Concrete Block Insulating Systems, West Brookfield, MA.
 - d. Architectural units shall be manufactured with an integral water repellent system (such as "Dry Block"). Units shall be manufactured by a qualified producer.

NOTES TO SPECIFIER:

1. This information may be used as a complete material section. It should be supplemented by an appropriate workmanship specification.
2. It is important to understand that all architectural blocks are manufactured specifically for each individual job. Color and texture can vary somewhat between each production run. If the sample panel is supplied from stock yard leftovers, the block that is produced for the job could vary from the sample panel. This shall not be deemed grounds for rejection.