

SPECIFICATIONS FOR LIGHT WEIGHT CONCRETE MASONRY UNITS

Light Weight Concrete Masonry Units: Units shall be equal to JLW series, as manufactured by A. Jandris & Sons, Gardner, MA, or an approved substitute. Units shall comply with all requirements of the current issue of the following standards and with other requirements specified herein.

1. Hollow & Solid Load bearing Units: Shall comply with all provisions as ASTM C90•96a, Class 3, Type I, Moisture Controlled Units.
2. Compressive Strengths: All units shall have a minimum compressive strength on the net area of 1900 PSI when tested in accordance with ASTM C•140.
3. Light Weight Concrete Masonry Units: Shall be composed of light weight aggregate conforming to ASTM C•331 blended with normal weight siliceous aggregate conforming to ASTM C•33 and shall match in uniformity of color and texture the samples required by these specifications.
4. All concrete masonry units (Architectural, Standard, and Backup) for this project shall be produced by one manufacturer.
5. Bidders who desire to use other manufacturers 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.
6. Maximum weight of individual blocks shall not exceed that shown. Unlisted sizes shall have unit weights not exceeding 105 lbs. per cubic foot.

WxHxL (inches)	APPROXIMATE WEIGHT (lbs.)
4x8x16 3 CORE	18
6x8x16 2 CORE	23
8x8x16 2 CORE	30
12x8x16 2 CORE	45

7. Sample Panel: Prior to commencing masonry work, 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.
8. Optional•CHOOSE AS APPROPRIATE
 - a. Except as noted on the drawings, all unit faces exposed to view shall be scored as herein described. Unit face hidden from view need not be similarly scored, but may be unless otherwise noted on the drawings.
 - b. Units shall have one vertical square edged score 3/8"x 3/8" located in the center of the exposed face.
 - c. 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.)
 - d. Insulation: Inserts shall be installed in the cores of the 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. Inserts shall be properly installed to allow blocks to be handled without danger of insert dislodgment.
 - e. Units shall be manufactured with an integral water repellent system (such as "Dry Block"). Units shall be manufactured by a qualified producer.

NOTE TO SPECIFIER: This information may be used as a complete material section. It should be supplemented by an appropriate workmanship specification.