

# **Faylite™ Block**

## Division Four Guide Green Specification

### Concrete Masonry Units

#### **Part 1 General**

##### 1.01 OVERVIEW

- A. Section includes: Materials for concrete masonry units

##### 1.02 REFERENCES

- A. ASTM C90 Standard
- B. National Concrete Masonry Association
  - 1. TEK 1-2C
  - 2. TEK 18-1A
  - 3. TEK 1-1E
  - 4. TEK 3-1C

##### 1.03 SUBMITTALS

- A. Submit color samples to the Architect for selection
- B. Masonry Units:
  - 1. Include material test reports substantiating compliance with requirements
  - 2. Submit to the Architect certification that all concrete masonry units are manufactured with lightweight aggregate conforming to ASTM C331

##### 1.04 SYSTEM DESCRIPTION

- A. Concrete Masonry Units installed with mortar
- B. Unit Compressive Strength: 1900 psi

##### 1.05 QUALITY ASSURANCE

- A. Standards: Suppliers shall certify that materials used in masonry construction comply with regulatory requirements and the designers wishes
  - 1. ASTM C90 Concrete Masonry Units
  - 2. ASTM 270 Mortar
  - 3. ASTM 216 Face Brick
- B. Inspectors shall verify compliance with the approved submittals
- C. Furnish sample panel for inspection with specific colors as directed by the architect

##### 1.06 DELIVERY, STORAGE AND HANDLING

- A. Packing and Shipping:
  - 1. Handle masonry units in a way to prevent chipping, cracking or breaking
  - 2. Store moisture sensitive materials in protected enclosures

##### 1.07 PROJECT CONDITIONS

A. Cold Weather Requirements:

1. Protect concrete masonry units from rain or snow with weather resistive membrane for 24 hours (48hours for grouted masonry unless only type III portland cement is used) after construction

B. Hot Weather Requirements:

1. When the ambient temperature is above 100 degrees or when the ambient temperature exceeds 90 degrees with a wind velocity greater than 8mph, the contractor shall implement hot weather procedures in accordance with the National Concrete Masonry Association guidelines (see TEK3-1C)
2. Materials and mixing equipment are to be shaded from direct sunlight

## **Part 2 Products**

### 2.01 MASONRY UNIT MATERIALS/MANUFACTURER

- A. Concrete Masonry Units shall be manufactured by: Fay Block Materials, INC., contact information: 130 Builders Blvd, Fayetteville, NC 28302, Office 800-326-9198, Fax, 910-323-9379 or approved equal
- B. Concrete Masonry Units shall be manufactured with lightweight aggregate in accordance with ASTM C331
- C. Concrete Masonry Units shall be manufactured with recycled materials.in accordance with leed requirements and designers wishes.
- D. Approved Green Lines
  1. Faylite Platinum Block as manufactured by Fay Block Materials (70% recycled content)
- E. Concrete Masonry Units:
  1. ASTM C 90
  2. Unit Compressive Strength: 1900 psi
  3. Density: <105pcf
  4. Absorption pcf: <18
  5. Standard units shall be manufactured with dimensions of: 8 inches X 16 inches and nominal depths as required by the drawings
  6. Integral Water Repellent: As indicated here or on the drawings
  7. Special shapes shall be supplied by the manufacturer as shown on the drawings

## **Part 3 Execution**

### 3.01 EXAMINATION

### 3.02 PREPARATION

### 3.03 MASONRY ERECTION

3.04 BRACING

3.05 REINFORCEMENT

3.06 GROUT PLACEMENT

3.07 PROCEDURES

3.08 FIELD QUALITY CONTROL

3.09 CLEANING