

## Div. 4 Concrete Masonry Submittal Check List

Project: \_\_\_\_\_

Authorized By: \_\_\_\_\_

Date: \_\_\_\_\_

The purpose of this check list is to make a judgment on the submitted concrete masonry documents for compliance to the plans and specifications. ASTM standards shall be followed as well as any area that would affect the local and state codes. If the in house Div. 4 specification documents are not up to date, please call the name below for masonry industry up dates:

Jerry Liner  
Carolina Stalite  
704-640-7969

### REQUIRED LIGHTWEIGHT MASONRY SPECIFICATION GUIDELINE FOR CROSS REFERENCING WITH THE SUBMITTAL DOCUMENTS

1. Load-Bearing Units: ASTM C 90 latest revision
2. Units shall not exceed 93 pcf density using lightweight aggregates
3. 8x8x16 lightweight masonry unit maximum weight shall be 26 lbs.
4. Lightweight aggregates shall be Expanded Slate meeting ASTM C 330 & ASTM C 331 standards
5. The use of organic impurities that cause rusting, staining or pop outs and combustible matter shall not be allowed. The use of coal ash aggregates/bottom ash, cinders or similar waste products shall not be allowed
6. Submit ACI 216 fire rating calculations

*Note: The above list shall be the requirements in Div. 4 master specifications*

Complete      Incomplete  
/Resubmit

### DOCUMENTS THAT SHOULD BE IN THE FILES

#### 1. Letter of compliance from block manufacturer

This Letter should state that the block manufacturer will not use coal by products of cinder or bottom ash as an aggregate material. (reject the submittal without this note)

#### 2. ASTM C 90 Test Report

- a. Block test report from independent testing facility
- b. Test date is within 12 months of project submittal date
- c. Weight classification of the block is lightweight
- d. Maximum density of the block is 93 lb/cu ft
- e. Aggregate type is 100% lightweight conforming to ASTM C 330 & ASTM C 331
- f. At least a 2 hour fire rating on the report for an 8x8x16 block

#### 3. Lightweight Aggregate Test Report ASTM C 330 & ASTM C 331

- a. Aggregate type is expanded slate
- b. Maximum of 12% absorption for lightweight aggregate

#### 4. LEED or Recycled Content Requirement

- a. Type of recycled aggregate
- b. Recycled aggregate shall meet ASTM C 330 & ASTM C 331 standards