

216-R-745 CELLULAR CONCRETE FILL, CCF

(Adopted 10-21-21)

The Standard Specifications are revised as follows:

SECTION 216, BEGIN LINE 9, DELETE AND INSERT AS FOLLOWS:

**216.02 Materials**

Materials shall be in accordance with the following:

Cement .....	901.01(b)
Fly Ash .....	901.02
<i>Foaming Agent</i> .....	<i>912.05</i>
Water .....	913.01

An admixture in accordance with 912.03 may be used as recommended by the CCF manufacturer.

~~A foaming liquid concentrate in accordance with ASTM C796 agent shall be used to produce CCF with the CCF properties shown in accordance with 216.04. The foaming liquid concentrate agent shall be chosen from those shown on the QPL of CCF Manufacturers/Installers.~~

**CONSTRUCTION REQUIREMENTS**

**216.03 Mix Design**

A mix design prepared in accordance with the geotechnical report shall be submitted to the Engineer for approval at least five work days before the CCF operations begin. A cellular concrete manufacturer/*installer* shall be chosen from those shown on the QPL of CCF Manufacturers/Installers.

SECTION 216, BEGIN LINE 61, DELETE AND INSERT AS FOLLOWS:

**216.08 Installation**

CCF shall be proportioned, mixed, and placed in lifts as recommended by the manufacturer. Transit mixers will not be acceptable for mixing the CCF. The CCF shall not be subjected to load or disturbed by construction activities until a minimum ~~compressive strength~~ *DCP blow count of 25 psi has been achieved* ~~blows per 12 in. has been achieved.~~ *DCP will be performed in accordance with ITM 509.*

The final surface finish shall be within ±0.1 ft of the plan elevation.

SECTION 912, BEGIN LINE 199, INSERT AS FOLLOWS:

**912.05 Foaming Agent**

Foaming agents used in making preformed foam for cellular concrete *fill and cellular concrete* grout shall be in accordance with ASTM C869. A type C certification in accordance with 916 shall be provided for the foaming agent.