{ XE "96-1.02S\_N11-18-22\_\_2022" }

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Section 96-1.02S. Use for lightweight fill using EPS geofoam blocks. Use with NSSPs for section 19-13 and 96-1.02T

Replace section 96-1.02S with:

### 96-1.02S EPS Geofoam Block

1. Insert the EPS geofoam type as provided in the Geotechnical Report. If there are more than one EPS geofoam types to be used, the Plans should show the geofoam types, locations, and extents; and the first sentence should be changed to “… geofoam types as shown and specified…”

Expanded Polystyrene Geofoam Block (EPS block) must be expanded polystyrene (EPS) geofoam type \_\_\_\_\_\_ as specified in Table 1 of ASTM D6817 and comply with ASTM D7180. EPS blocks must consist entirely of expanded polystyrene.

2

After an EPS block is released from the mold, the EPS block must be seasoned for at least 72 hours at normal ambient room temperature and inside a building that protects the EPS block from moisture and ultraviolet (UV) radiation. EPS blocks must be separated during seasoning to allow positive air circulation and venting to foster outgassing of blowing agent and trapped condensate from within the EPS blocks.

3

EPS block must satisfy product flammability requirements specified in ASTM C578.

4

EPS block must meet the following dimensional tolerances:

1. Deviation of dimensions of each EPS block from the theoretical dimensions must be less than 0.5 percent.

2. Corner or edge formed by any two faces of an EPS block must form an angle of 90 degrees.

3. Deviation of any face of the block from a theoretical perpendicular plane must be less than 0.12 inches over 20 inches.

4. Planarity deviation of any one face of an EPS block must be less than 0.2 inches over 10 feet when measured using a straightedge.