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SECTION 31 23 23.43

EPS GEOFOAM

PART 1 GENERAL

1.01 SUMMARY

- A. Section includes Expanded Polystyrene (EPS) Geofoam.
- B. Related Sections: Section(s) related to this section include:
 - 1. Earthworks: Division 31 Earthworks sections.

1.02 REFERENCES

- A. ASTM D6817 - Standard Specification for Rigid, Cellular Polystyrene Geofoam.

1.03 SUBMITTALS

- A. Submit EPS Geofoam manufacturer's product literature and technical data, including:
 - 1. Physical properties in compliance with ASTM D6817 Type specified.
 - 2. 10-year physical property warranty.
- B. Shop drawings showing EPS Geofoam block layout.

1.04 DELIVERY, STORAGE & HANDLING

- A. Deliver EPS Geofoam labeled with material type.
- B. Store above ground, and protected from moisture and sunlight prior to installation.
- C. Product should not be exposed to open flame or other ignition sources.

1.05 WARRANTY

- A. Provide EPS Geofoam 10-year warranty covering the long-term physical property of expanded polystyrene Geofoam.

PART 2 PRODUCTS

Note to Specifier : Select the name and address of EPS Geofoam Manufacturers/Suppliers.

2.01 MANUFACTURERS/SUPPLIERS:

- A. Perma "R" Products, Inc., 2604 Sunset Dr., Grenada, MS 38901
- B. Perma "R" Products, Inc., 109 Perma R Rd., Johnson City, TN 37604

2.02 EPS GEOFOAM

- A. PolyPro GF in compliance with ASTM D6817.
- B. Select one or more of the PolyPro GF types from the listings as follows, as required by the project:
 - 1. PolyPro GF: ASTM D6817 [Type EPS12], [Type EPS15], [Type EPS22], [Type EPS29], [Type EPS39], [Type EPS46].

Note to Specifier : Include article below if project requirements include termite treated foam. If not, delete article.

- C. Perma "R" Products' PolyPro GF blocks shall be treated by the manufacturer with a tested and proven termite treatment in below grade applications providing a 3 year minimum field exposure. The treatment shall be EPA



registered, meet requirements of ICC ES EG239, and be recognized in an ICC ES evaluation report.

2.03 GRIPPER PLATES

- A. Gripper plates shall be used to restrain EPS Geofoam from moving laterally in layer over layer applications. The plate shall be made of galvanized or stainless steel with two-sided multi-barbed design capable of piercing geofoam. Each plate shall be capable of a lateral holding strength of 60 lbs.

Note to Specifier : It is the responsibility of the designer/engineer to determine the suitability and number of gripper plates.

PART 3 EXECUTION

3.01 MANUFACTURER'S INSTRUCTIONS

- A. Compliance: Comply with manufacturer's EPS geofoam product data, including technical bulletins.

3.02 PREPARATION AND INSTALLATION

- A. Site Verification of Conditions: Verify conditions of substrate, grade and other conditions which affect installation of geofoam.
- B. Installation: [Specify instructions to suit project requirements.]

3.03 PROTECTION

- A. Protection: Protect installed product and finish surfaces from damage during construction as required.

END OF SECTION