

SECTION 034510

PRECAST CONCRETE ACCESSORIES

NOTE: This guide specification is for professional use. High Concrete Group LLC will not be responsible for any damages arising from the use of any of its guide specifications.

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. The Work of this Section includes all labor, materials, equipment and services necessary to complete the precast concrete accessories as shown on the drawings and/or specified herein, including, but not necessarily limited to, the following:
 - 1. Grouted Connection Tubes

RELATED SECTIONS

- B. Prestressed Concrete products - Section 034100.
- C. Precast insulated panels - Section 034110.
- D. Architectural Precast concrete - Section 034500.

1.2 PERFORMANCE REQUIREMENTS

- A. Structural Performance: Provide precast concrete accessories and connections capable of withstanding project specific design loads as indicated in Section 034500.

1.3 SUBMITTALS

- A. Submit complete engineering evaluation, provided by the manufacturer, for determination of dimensional requirements for precast concrete connectors specified, based on load capacity requirements specific to the Project.
- B. Samples: Submit for each type of precast concrete accessory required.

PART 2 PRODUCTS

2.1 PRECAST CONCRETE ACCESSORIES

- A. Manufacturers: Products designated below are those of High Concrete Accessories. Subject to requirements indicated, provide the named products or approved equivalent of other manufacturers.
- B. Materials
 - 1. General: Provide materials that are non-corrosive and non-reactive with concrete.

2. Plastic Resin: HiD 9416 as manufactured by Phillips Petroleum, Inc. 03451-1 Precast Concrete Accessories

3. High-density polyethylene (HDPE) blow mold grade plastic, 0.080-inch average thickness.

C. Grouted Connection Tube. Corrugated plastic sleeve cast into precast concrete wall panel, designed to facilitate connection between precast concrete units and between precast concrete and cast-in-place concrete; with plastic end seal to resist water infiltration and debris prior to installation, and minimize the possibility of freeze/thaw blowout.

1. Provide connectors in length and diameter of sufficient strength to withstand all applied tension loads based on ultimate tension load data provided by the manufacturer.

2.2 ACCESSORIES

A. Color of Closure Cap: As selected by Architect from manufacturer's standard or custom colors.

PART 3 EXECUTION

3.1 INSTALLATION

A. Fabricate and install precast accessories with sufficient embedment to comply with design requirements. Accurately position for attachment of other work, and secure in place during precasting operations.

3.2 INSPECTION

A. Examine the areas and conditions where precast concrete accessories are to be installed and correct any conditions detrimental to the proper and timely completion of the work. Do not proceed with the work until unsatisfactory conditions are corrected to permit proper installation of the work.

END OF SECTION

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