

SECTION 03100

CONCRETE FORMWORK

This section is based on use of the fiberglass wall form tie systems ("SuperThread"), supplied by RJD Industries, LLC. SuperThread fiberglass threaded rod will not rust, therefore a substantial amount of labor expense is avoided because steps to avoid the introduction of rust into a structure are eliminated. Additionally, the product allows a more aesthetically pleasing finish, compared to alternative technologies, hence is ideal for "architectural" structures.

The product is readily available throughout the United States through concrete accessory dealers. Call (800) 344-4753 for the name of the nearest dealer.

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Formwork For Concrete
- B. Fiberglass Wall Form Tie System

1.2 RELATED SECTIONS

- A. Section 03110 - Concrete Materials: Pigments
- B. Section 03250 - Concrete Accessories: Hole Formers

1.3 REFERENCES

- A. American Concrete Institute (ACI) Committee 347R-14 - Formwork for Concrete

PART 2 - PRODUCTS

1.1 FORM MATERIALS

- A. Forms shall be designed to produce hardened concrete having the shape, lines, and dimensions shown on the plans. Forms shall be substantial and sufficiently tight to prevent leakage or mortar, and shall be maintained in proper position and accurate alignment.
- B. Fiberglass wall form ties shall be threaded fiberglass rod ("SuperThread") as supplied by RJD Industries, LLC, of Ogden, UT (800) 344-4753.
 - 1. Fiberglass wall form tie material is to be colored gray, to similarly match standard concrete.
 - 2. Call RJD Industries, LLC to obtain samples.

PART 3 - EXECUTION

1.1 INSTALLATION

- A. Erect forms in accordance to ACI 347R-14.
- B. Install fiberglass wall form tie system in accordance with manufacturer's publish instructions (RJD Installation Guide). If a hole pattern is specified, use dummy tapered cones (add size) fastened to the interior of the formwork to achieve the specified pattern.

1.2 CONCRETE FINISH

- A. If a smooth concrete finish is specified, cut fiberglass wall form tie rod flush to surface of the concrete. No breakback or patching is required.
- B. If an exposed aggregate finish is specified, first grind the fiberglass wall form tie rod flush to the surface, then sandblast structure.

END OF SECTION



RJD Industries, LLC.

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