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SECTION 03100

CONCRETE FORMWORK

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This section is based on use of the fiberglass form tie systems (“SuperTie”), manufactured by RJD Industries, LLC. SuperTie cannot 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.

SuperTie is watertight, electromagnetically transparent, and will not promulgate nuclear energy. The product is readily available throughout the country through stocking Dealers. Call (800) 344-4753 for the name of the nearest dealer.

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PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Formwork For Concrete

B. Fiberglass 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 347 - 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. Form Ties shall be fiberglass (“SuperTie”) as manufactured by RJD Industries, Inc., of Goleta, California (800) 344-4753.

1. Fiberglass form tie material is to be colored gray, to approximately match concrete.



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2. Fiberglass form tie material shall be colored to approximately match (insert specified concrete pigment and pigment manufacturer here).

PART 3 - EXECUTION

1.1 INSTALLATION

A. Erect forms in accordance to ACI 347.

B. Install fiberglass form tie system in accordance with manufacturer's publish instructions. 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, grind fiberglass tie Rod flush to surface of the concrete. No breakback or sacking is required.

B. If an exposed aggregate finish is specified, first grind the fiberglass tie Rod flush to the surface, then sandblast structure.

END OF SECTION

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