Case History

CINTEC™ REINFORCEMENT SYSTEMS

PUBLIC SCHOOL, PS 41X, BRONX, New York

Anchoring into Terra-Cotta Clay Speed Tile



The Property

PS 41 is a co-educational public school for grades 1-5 located in Bronx, New York City.
Their Mission: “At P.S. 41, we nurture and serve every child to be productive citizens while reaching their highest potential.”

The Problem

The original windows in the building needed to be replaced. When the authority realized that backup for the proposed face brick was Speed Tile, there was concern about an effective anchor that was still sympathetic to the fragility of the Speed Tile Units.

Public School – PS 41, Bronx, New York

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Cintec was originally specified by Sen Architects as the anchoring system for the replacement windows. Sen architects had specified Cintec in the past for similar school projects. However, a resin anchor was considered, tested, and failed. A resin anchor does not perform well in speed tile / hollow terra-cotta. Cintec Anchors [fire rating exceeds ATME 119] were tested, and consequently, used to complete the project. A total of 1000 anchors were used.





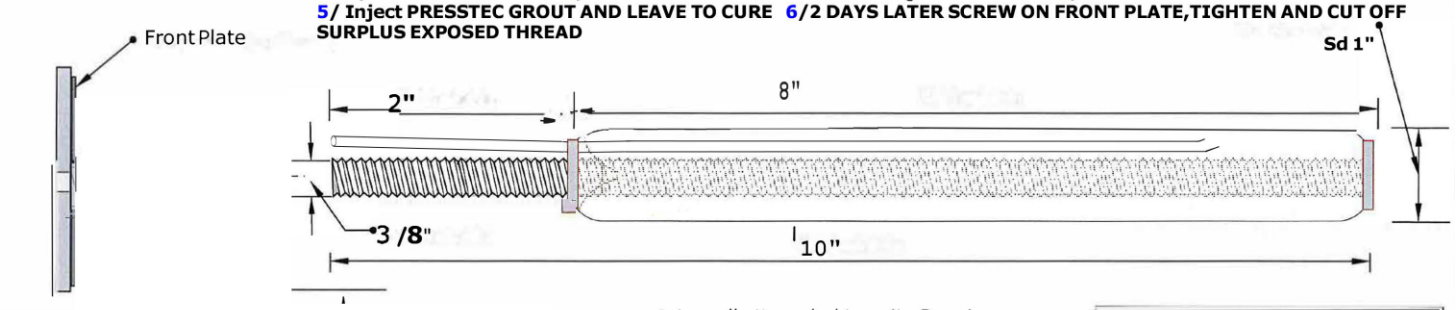
DRAWING:

Thin Panel Attachment or for use in attaching timber to rubble filled /Terra-Cotta wall

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SUGGESTED SPECIFICATION FOR ATTACHING WINDOW SILLS.

1/USING WINDOW SILL AS A TEMPLATE.TEMPORARILY FIX IN CORRECT LOCATION 2/DRILL COUNTERSUNK HOLE TO 1/4"DEPTH X 1 .5"Dia 3/CENTER DRILL 1"Dia HOLE TO REQUIRED DEPTH 4/INSERT WETTED CINTEC ANCHOR. 5/ Inject PRESSTEC GROUT AND LEAVE TO CURE 6/2 DAYS LATER SCREW ON FRONT PLATE,TIGHTEN AND CUT OFF SURPLUS EXPOSED THREAD



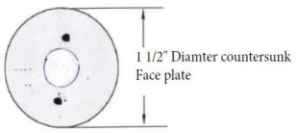




PLATE: Internally threaded to suite Bar size

Anchors
All Cintec Anchors are made to suite site requirements and to the Engineer of record's specification

NOT TO SCALE
DO NOT SCALE

All steel is ANSI type 304 stainless with 29,000 psi yield unless otherwise requested

General Contractor

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