STRESSING OF ANCHORS IN REBAR CONCRETE PANELS

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30 June 2012

Project Proposal

- Research the response of specifically measured rebar, concrete panels with anchors under tensile loads
- Figure out the possible maximum load due to anchors' placements inside the panels

Week's Progress

- Used a concrete factory to construct eight concrete panels
  - In all the panels, we positioned rebar with the help of chairs of size 50, 40, & 60 in order for them to be set as close to the desired measurements
  - Tied the rebar into their desired locations with wire
- In the first four concrete panels, two anchors were each placed 200 cm from both farthest ends and centered
- The last four concrete panels were constructed without anchors embedded in them
- Made four concrete samples to be tested in the future

Goals

- Research methods to test the strength of the concrete panels with the aid of the anchors' capacity
- Determine how different magnitudes of stressing affect the damage that the concrete panels undergo

Exploring under “The Long White Cloud”