# **Technical Assignment #2**

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## **Executive Summary**

#### **Detailed Project Schedule:**

- Structure Complete March 7, 2007
- Building Enclosed June 1, 2007
- Phased Completion by Floor July 24 September 8, 2007

#### Site Layout Planning:

- Centrally located trailers for supervision
- One-way vehicular site traffic
- Tower crane with 360° range of operation

### Assemblies Estimate of Building Façade:

- Under \$40 per SF of façade
- Pre-cast Concrete Panels and Aluminum Frames Window Walls

#### **Detailed Structural Systems Estimate:**

- Structural cost of just under \$500 per CY of concrete
- At over 14,000 CY of concrete, total structural cost is \$7.3 Million
- Entire structure is cast-in-place concrete placed with crane and bucket

#### **General Conditions Estimate:**

- Costs based on 19 month duration of construction
- Half of on-site staffing is on site for only 60% of the duration
- General Conditions costs of \$1.7 Million, or \$90,000 per month