

AECT 480 – Reinforced Concrete Design
Spring 2010
Homework # 1 – **DUE**: 1 week at beginning of Lecture

Research the literature (on-line or print) and find an **innovative** poured-in-place concrete building that interests you. **No two people may do the same building.** Prepare a 3 – 4 page word-processed narrative, complete with at least 2 referenced photos and/or illustrations, discussing the structural design of the building. In your report, be sure to discuss **ALL** of the following:

1. 1 – 2 paragraphs stating the following background:
 - a. Owner/occupancy of the building
 - b. Building's location
 - c. Date of building's completion
 - d. Approximate size of building
 - e. Approximate cost of building
 - f. Architect
 - g. Structural Engineer

2. Body of the report shall contain the following:
 - a. Relationship between architectural design & structure
 - b. Discussion of specific innovations employed in the building's design.
 - c. Discussion of basic structural system (i.e., massing, layout, types, etc.)
 - d. Detailed discussion of specific structural materials, methods, components, etc.
 - e. Lessons learned by the building team – i.e., problems, shortcomings, etc.
 - f. At least 2 referenced photos and/or illustrations in support of the narrative.

