



BREADTH SUMMARY:

IN ADDITION TO THE STUDY OF THE LATERAL FORCE RESISTING SYSTEM, TWO BREADTH TOPICS WILL BE STUDIED. THIS WILL ALSO HELP TO EXPAND MY ENGINEERING KNOWLEDGE AND HELP ME TO BECOME A BETTER-ROUNDED ENGINEER.

BREADTH TOPIC #1: CONSTRUCTION MANAGEMENT

THE FIRST BREADTH TOPIC WILL BE A COMPLETE SCHEDULE OF THE CONSTRUCTION PROCESS FOR THE ALTERNATE SYSTEM. THIS SCHEDULE WILL BE COMPLETED IN PRIMAVERA PROJECT MANAGER. THIS SCHEDULE WILL BE COMPARED TO THE ACTUAL CONSTRUCTION TIMETABLE TO SEE IF THE NEW SYSTEM RESULTS IN LESS CONSTRUCTION TIME.

BREADTH TOPIC #2: LEED CERTIFICATION

THE SECOND BREADTH TOPIC WILL BE A STUDY OF LEED CERTIFICATION. A STUDY WILL BE DONE TO DETERMINE WHAT DESIGN CHANGES COULD BE INCORPORATED IN ORDER TO RECEIVE A LEED CERTIFICATION FOR THIS BUILDING. THIS REQUIRES 26 OUT OF A POSSIBLE 69 POINTS ON THE GREEN BUILDING RATING SYSTEM, VERSION 2.2. MOREOVER, ONE CATEGORY ON THE CHECKLIST WILL BE SELECTED AND THE SUBCATEGORIES WILL BE DESIGNED.