

THESIS PRESENTATION OUTLINE

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I. INTRODUCTION (2 slides)

- a. Self
- b. Project
- c. Outline of presentation/topics

II. PROJECT BACKGROUND (4 slides)

- a. Location
- b. Building type/function
- c. General statistics
 - i. Cost/Contract Type
 - ii. Schedule
 - iii. Systems
- d. Purpose of building

III. ANALYSIS #1: Re-Sequencing Phasing (5 slides)

- a. Problem Identification/research goal
- b. Methodology
- c. Schedule reduction
- c. Cost Reductions & Savings
- d. Conclusion & Recommendations

IV. ANALYSIS #2: Precast Façade (11 slides)

- a. Problem Identification/research goal
- b. Original facade
- c. Precast façade design
- d. Quality Control
- e. Structural impact (breadth #1 = 3 slides)
 - i. Introduction
 - ii. Load calculations
 - iii. Deflection models
 - iv. Results
- f. Schedule impact
- g. Cost impact
- h. Site congestion/trade coordination
- i. Architectural implications
- j. Reason why Saint Vincent chose hand-laid
- k. Recommendation and conclusion

V. ANALYSIS #3: BIM Coordination (3 slides)

- a. Background
- b. 2D vs. 3D
- c. Implementation Strategy

VI. ANALYSIS #4: ICRA Plan (8 slides)

- a. Problem Identification/research goal
- b. Methodology & Background
- c. ICRA matrix & Precaution Class IV
- d. Areas of Risk
- e. Health Precautions during & after construction
- f. Mechanical breadth (breadth #2 = 1 slides)
- g. Recommendation and conclusion

VII. SUMMARY OF CONCLUSIONS (1 slide)**VIII. ACKNOWLEDGEMENTS (1 slide)****PRESENTATION SUMMARY:**

- Total of 35 slides
- Analysis #3 (BIM Implementation) will be briefly summarized, not presented in detail
- Both structural and mechanical breadths will be presented, although either in great detail