

- I. Introduction and Background (3)
- II. Architecture (2)
- III. Description of Existing Structural System
 - A. Foundation and Slab on Grade (1)
 - B. Columns (1)
 - C. Floors (1)
 - D. Lateral System (2)
- IV. Problem Statement (1)
- V. Solution (2)
- VI. Floor Slab
 - A. Benefits of Post-tensioning (1)
 - B. Disadvantages of Post-tensioning (1)
 - C. Post-tensioned Design (2)
 - D. Discussion (1)
- VII. Lateral System
 - A. Seismic Analysis (3)
 - B. Wind Analysis (1)
 - C. Lateral System Redesign (1)
- VIII. Foundation
 - A. Soil Conditions (1)
 - B. Dead Loads at Foundation (1)
 - C. Overturning Moment (1)
 - D. Changes to Design (1)
- IX. Breadth
 - A. Impact of Changes to Lateral System on Mechanical Systems (1)
 - B. Analysis of the Impact of Flying Table Formwork on Cost (1)
 - C. and on Schedule (1)
- X. Summary Conclusions (2)
- XI. Acknowledgements (1)