

Presentation Outline Draft

Introduction and Project Background Information (7 Screens-1.75 to 2 mins)

- Project Location
- Project Delivery Team
- Overview of Scope and Phasing
- Cost and Schedule

Analysis #1-Façade Redesign and Prefabrication (10 to 12 screens-6.5 to 7mins)

- Problem Identification and Current Layout
- New Panel Design
 - Layout Changes
 - Connection Changes
 - Installation Process and Sequencing
- Prefabrication Process and Glazing Integration
 - NOA Rating Achievement Process
- Schedule Analysis
- Cost Analysis
- Additional Benefits, Drawbacks, Potential Risks and Recommendations

Analysis #2-Value Engineering of Structural Slab System (8 screens-3.75 to 4mins)

- Problem Identification and Current Design
- Slab Type Evaluation Matrix
- Basic Design of Chosen Slab Type
- Cost Analysis and Schedule Impacts
- Additional Benefits, Drawbacks, Potential Risks and Recommendations

Structural Breadth-Punching Shear Analysis at Column Supports (5 screens-2 to 2.5mins)

- Problem Identification and Tie-In to Analysis #2
- Evaluation of Unreinforced Slab
 - ACI 318 Calculations
 - Recommendation for Reinforcing Needs
- Design of Reinforcing-Stud Rails
- Final Check for Safe Condition at Plane Beyond Stud Rails and Recommendation

Final Acknowledgments and Concluding Slise (2 slides-15 seconds)