**Thesis Presentation Outline**

* **Introduction (1)**
* **Building Overview (2)**
	+ Location
	+ Building Statistics
* **Existing Conditions (4)**
	+ Floor System
	+ Columns
	+ Lateral System
	+ Foundation
* **Proposal Summary (1)**
* **Goals (1)**
* **Depth Study (16)**
	+ Gravity System Redesign *(5)*
		- Gravity Design Loads
		- Composite Metal Decking
		- Gravity Beams and Girders
		- Columns
	+ Lateral System Redesign *( 5)*
		- Lateral Design Loads
		- Special Moment Resisting Frames
		- Lateral System Member Design
		- Lateral System Layout
		- Serviceability
	+ Progressive Collapse Design *(5)*
		- Progressive Collapse
		- Critical Member Layout
		- Virtual Work
		- Virtual Work
		- RAM Elastic Design & Analysis
	+ Structural System Redesign Summary *(1)*
* **Breadth Study (5)**
	+ Acoustics Study *(2)*
		- Layout of Penthouse and 5T Level Offices
		- Analysis Results
	+ Construction Management Study *(3)*
		- Schedule Analysis
		- Cost Analysis
		- Comparison
* **Conclusions (2)**
	+ Goals *(1)*
	+ Recommendations *(1)*
* **Acknowledgments (1)**
* **Questions (1)**