Structural Depth

AISC Design Guide 14: Staggered Truss Framing Systems provided excellent guidance

Gravity Design
Method of joints to calculate member forces
Assumptions specified in Design Guide used to account for continuous chord members

Image of truss with member sizes
Presentation Outline

Introduction
Existing Structure
Thesis Goals
Structural Depth
• Architectural Breadth
Construction Management Breadth
Conclusion
Questions & Comments

Areas of Concern
Meeting area/observatory on 26th floor
Main Lobby
Large study area on 2nd floor

Architectural Breadth

Areas of Concern
Meeting area/observatory on 26th floor
Main Lobby
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Renderings: compliments of Cannon Design
Special thanks to Claire Kuehnel for photos