

Daniel Goff | Structural Option
Advisor | Dr. Thomas Boothby
A Medical Office Building | Primary Health Network

FINAL PRESENTATION OUTLINE DRAFT

- I. Building Introduction **(2)**
 - a. Building Information
 - i. Size, Height, Geometry
 - ii. Architectural Goals
 - iii. Site Location & Information
 - II. Existing Structure **(2)**
 - a. Existing Gravity System
 - i. Concrete on Metal Deck, Steel Bar Joists
 - ii. Wide Flange Steel Columns
 - iii. Load Bearing Masonry Shear Walls
 - b. Existing Lateral System
 - i. Ivery Block Masonry Shear Walls
 - ii. Shear Wall Locations
 - III. Proposal **(2)**
 - a. Design Investigations
 - b. Proposed Alternate Design Solution
 - IV. Gravity System Design **(8)**
 - a. Slabs
 - i. Goals
 - ii. Preliminary Design, Modeling
 - iii. Edge Beams, Drop Panels, Layout
 - iv. Final Design
 - b. Columns
 - i. Layout Changes
 - ii. Exterior Design
 - iii. Interior Design
 - V. Lateral System Design **(6)**
 - a. Layout
 - b. Design
 - VI. Construction Breadth **(4)**
 - a. Cost Comparison
 - b. Schedule Comparison
 - VII. Conclusion **(1)**
 - a. Recap
 - b. Final Design Recommendations
 - VIII. Acknowledgements & Questions **(1)**
- Total Number of Slides: 26**