

**YEMI OSITELU** | STRUCTURAL OPTION | 440 FIRST STREET, NW

ADVISER | DR. ALY SAID

**DRAFT PRESENTATION OUTLINE: ~ {33 -45 SCREENS}**

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**I. INTRODUCTION (3)**

- a. Overview of presentation
- b. Structural Depth
- c. Breadth Topic

**II. EXISTING CONDITIONS (6)**

- a. Location and background information
- b. Architecture and Layout
- c. Structural system
  - i. Gravity system
  - ii. Lateral system
  - iii. Foundations

**III. THESIS PROPOSAL AND GOALS (2)**

- a. Problem and Solution
- b. Design Goals and Criteria

**IV. STRUCTURAL DEPTH (10 -14)**

- a. Overview
- b. Preliminary Design Choices
- c. Computer Modeling process
  - i. Gravity design and modeling choices
  - ii. Lateral design and Modeling choice
- d. Gravity & Later Post – Analysis
  - i. Story Drifts
- e. New Lateral System Layout
  - i. Moment Frame Floor Plans
  - ii. Moment Frame Elevations
- f. New Floor Plan Layout

**V. DESIGN IMPLICATION (1)**

**VI. MECHANICAL BREADTH (4)**

- a. Design Goals
- b. Application To 440 First Street

**VII. CONLUSION & EVALUATION (2)**

**VIII. QUESTIONS (1)**

**IX. REFERENCE SLIDES (IF NEEDED) ~ {10 SCREENS}**