



## **THESIS PRESENTATION OUTLINE**

**The Pennsylvania State AE Senior Thesis**

# **Duval County Unified Courthouse Facility**

**Jacksonville, Florida**

**Darre'll Alston**

**Construction Management**

**Advisor: Rob Leicht**

## Table of Contents

Presentation Outline:..... 3

## Presentation Outline:

Darre'll Alston – Construction Management

Dr. Robert Liecht – AE Advisor

- I. Project Background (1)
- II. Analysis 1: Financial Awareness (2)
  - a. Financial Status
  - b. Financial Allocation Cycle
- III. Analysis 2: Risk Management (2)
  - a. Failures and Liabilities
  - b. Risk Treatments
- IV. Analysis 3: Precast Concrete Floor Planks (3)
  - a. Structural Breadth
  - b. Architectural Breadth
  - c. Cost Comparison
- V. Analysis 4: SIPS Schedule (2)
  - a. Main Contributors
  - b. Schedule Savings
- VI. Conclusion (1)
- VII. Acknowledgements (1)

# **The Duval County Unified Courthouse Facility**

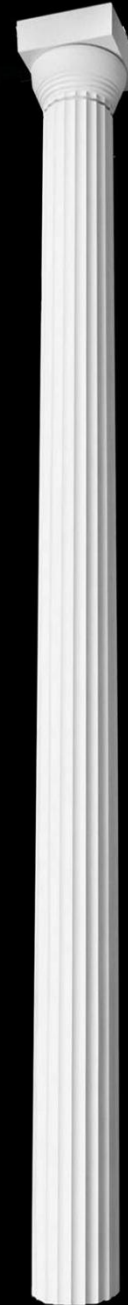
**Jacksonville, Florida**



**The Pennsylvania State University AE Capstone Project**

**Darre'll Alston – Construction Management**

**Dr. Robert Liecht – CM Advisor**



#### Presentation Outline:

- I. Project Background
- II. Analysis 1: Financial Awareness
  - I. Financial Status
  - II. Financial Allocation Cycle
- III. Analysis 2: Risk Management
  - I. Failures and Liabilities
  - II. Risk Treatments
- IV. Analysis 3: Precast Concrete Floor Planks
  - I. Structural Breadth
  - II. Architectural Breadth
  - III. Cost Comparison
- V. Analysis 4: SIPS Schedule
  - I. Main Contributors
  - II. Schedule Savings
- VI. Conclusion
- VII. Acknowledgments

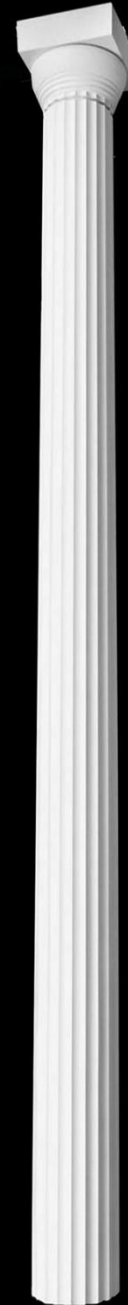
## Financial Awareness

Problem Statement:

Current Standing:

Interview Citations:

Chart and Picture of Financial Stats



Presentation Outline:

- I. Project Background
- II. Analysis 1: Financial Awareness
  - I. Financial Status
  - II. Financial Allocation Cycle
- III. Analysis 2: Risk Management
  - I. Failures and Liabilities
  - II. Risk Treatments
- IV. Analysis 3: Precast Concrete Floor Planks
  - I. Structural Breadth
  - II. Architectural Breadth
  - III. Cost Comparison
- V. Analysis 4: SIPS Schedule
  - I. Main Contributors
  - II. Schedule Savings
- VI. Conclusion
- VII. Acknowledgments

## Structural Breadth

Span Length:

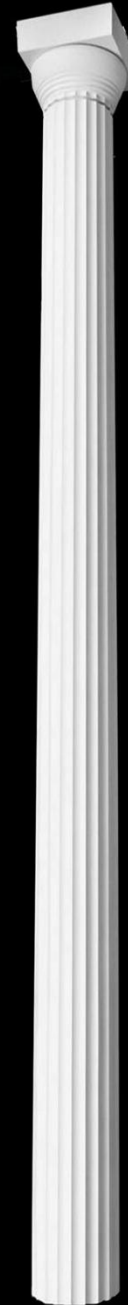
Span Pictures:

Load Calculations:

Picture of Plank:

Interview Citations:

Conclusion:



Presentation Outline:

- I. Project Background
- II. Analysis 1: Financial Awareness
  - I. Financial Status
  - II. Financial Allocation Cycle
- III. Analysis 2: Risk Management
  - I. Failures and Liabilities
  - II. Risk Treatments
- IV. Analysis 3: Precast Concrete Floor Planks
  - I. Structural Breadth
  - II. Architectural Breadth
  - III. Cost Comparison
- V. Analysis 4: SIPS Schedule
  - I. Main Contributors
  - II. Schedule Savings
- VI. Conclusion
- VII. Acknowledgments

## Architectural Breadth

Problem Statement:

Picture of New Plank:

Finish Feasibility Study:

Connectivity Options:

Interview Citations:

Conclusion: