



# FIFTY WEST

## MASS TIMBER ARRIVES IN FLORIDA IN CLASS A STYLE

Presented by Jeff Powell, AIA, President  
Powell Studio Architecture

Disclaimer: This presentation was developed by a third party and  
is not funded by WoodWorks or the Softwood Lumber Board.





## DESIGN TEAM



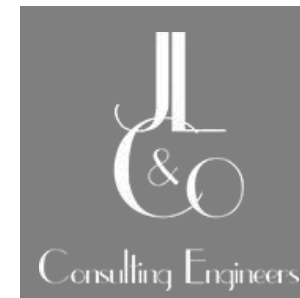
Fifty West Realty, LLC.  
Fifty West Realty, LLC.  
Owner



Jeff Powell, AIA  
Architect of Record



Gutherman Structural  
Structural Engineer



Joseph, Lawrence, and Co.  
MEP Consulting Engineers



Schmid Construction  
General Contractor



# FIFTY WEST

- Design Goals
  - Background: Project Specifics
  - Innovation
- Planning Process
  - Schematic Design
  - Components & Connections
  - Aesthetics
- Construction & Lessons Learned
  - Building Code
  - Mass Timber Goals
  - Lessons Learned
- Space Functionality



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# DESIGN GOALS



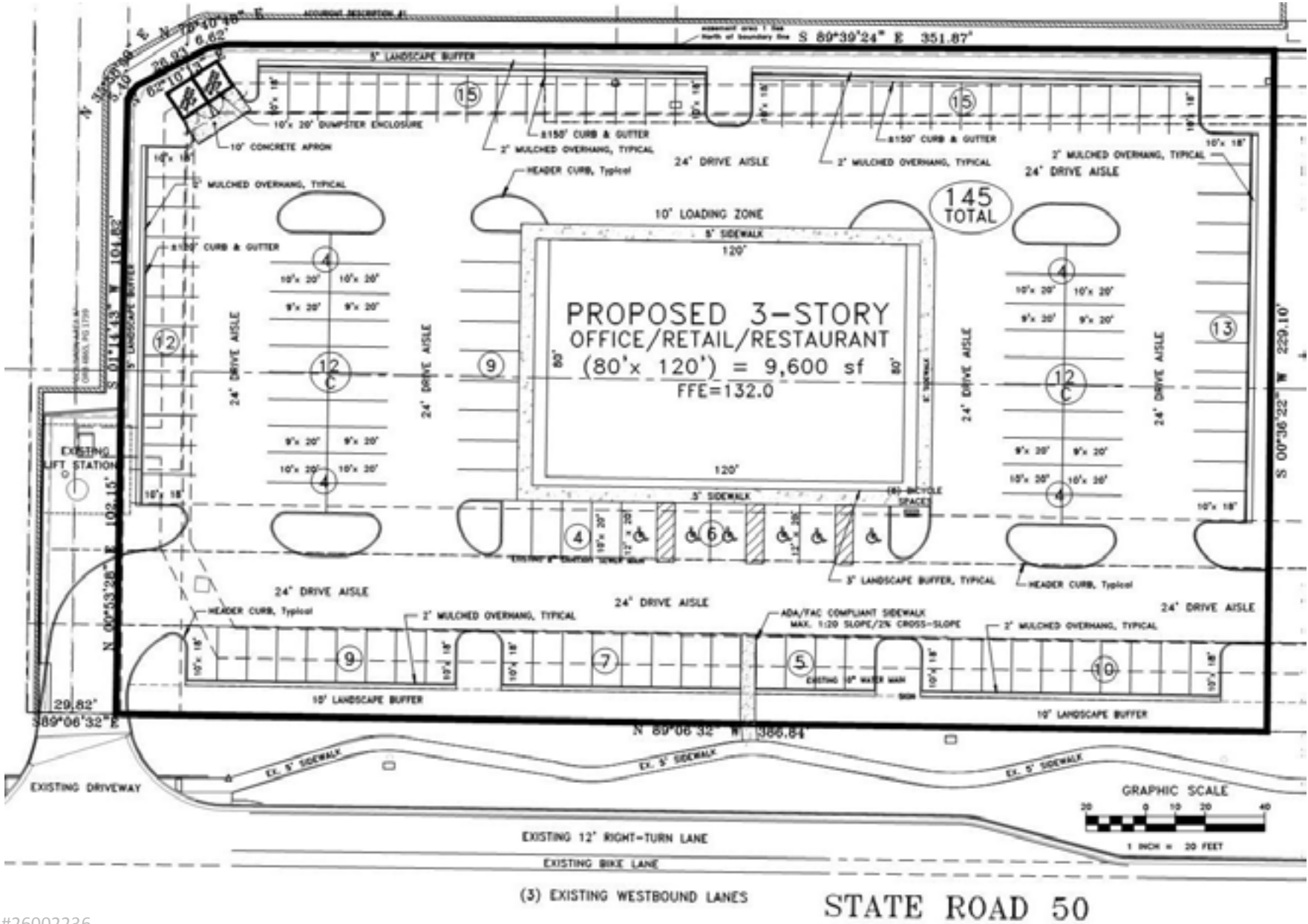
## SPECIFICS

- 28,900 SF, Class A retail and commercial office space
- 3-story mass timber construction with expansive curtain wall glazing
- Innovation in construction techniques, methods, and materials to distinguish Fifty West from typical commercial construction in Central Florida
- Utilizing site and elevation to showcase surrounding landscape view

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# DESIGN GOALS



## SITE



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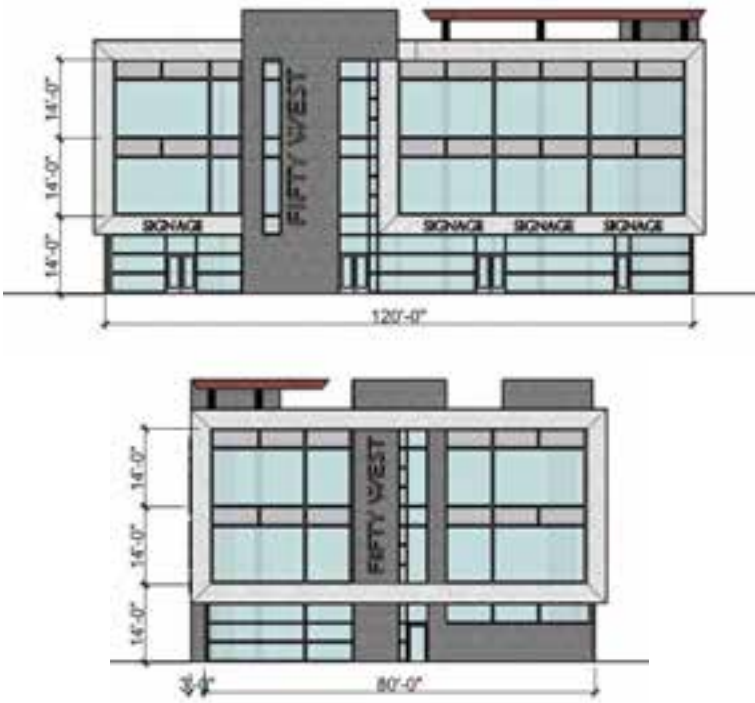
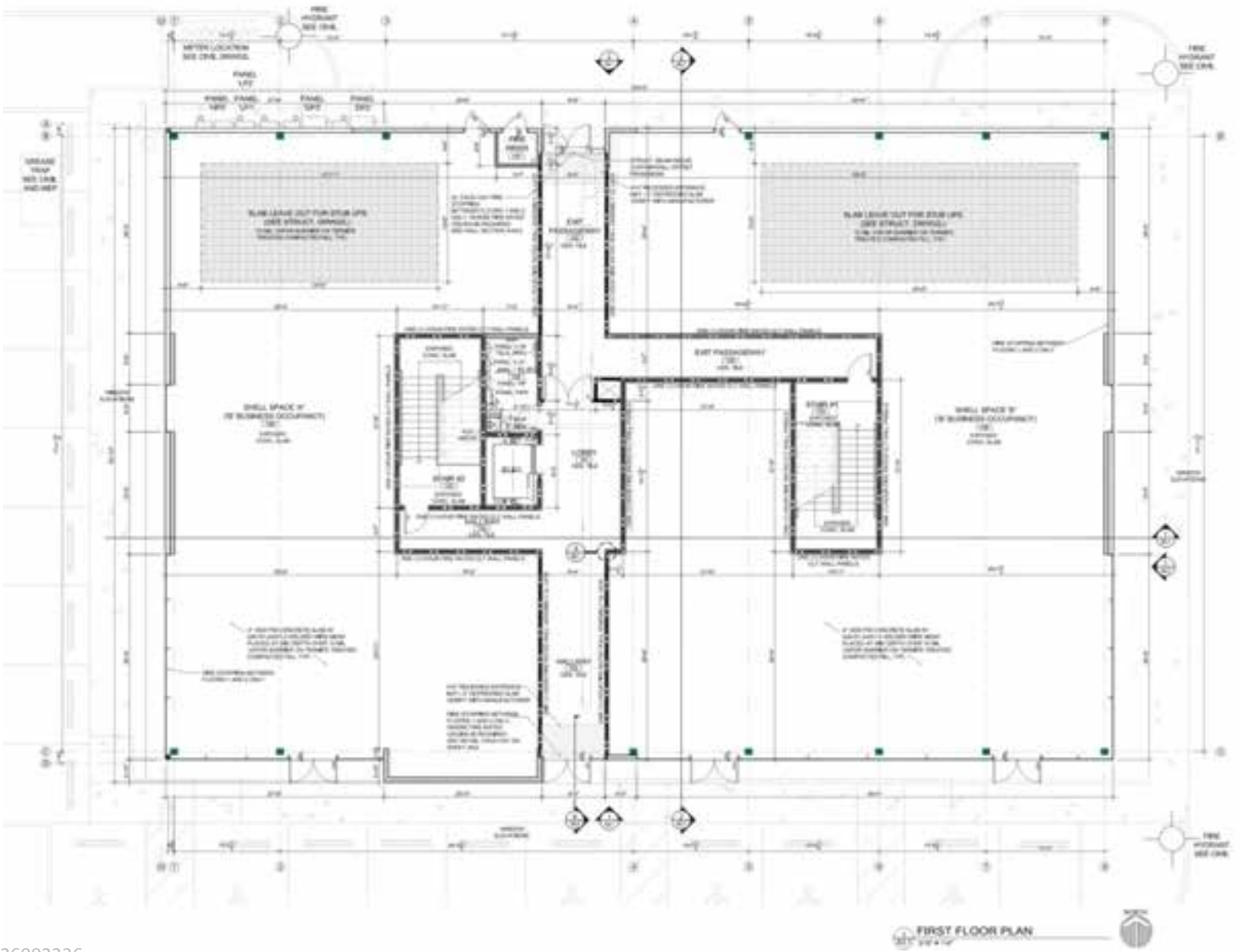


## Why CLT?

- Avant-Garde construction technique
- Modern wood expression and creation of unique interior environment
- Possibility of accelerated construction schedules
- Similarities to other widely used construction techniques
- Eco-Friendly and utilization of renewable resource



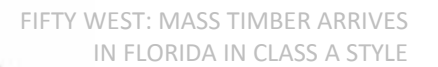
# PLANNING PROCESS



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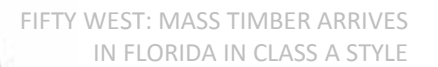


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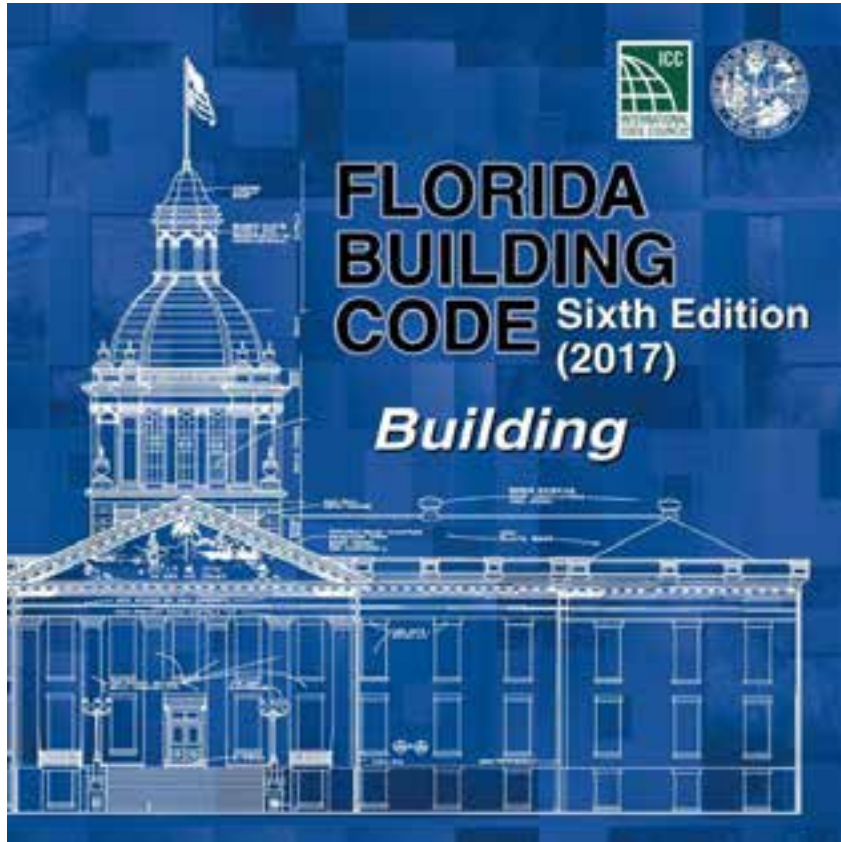
# PLANNING PROCESS



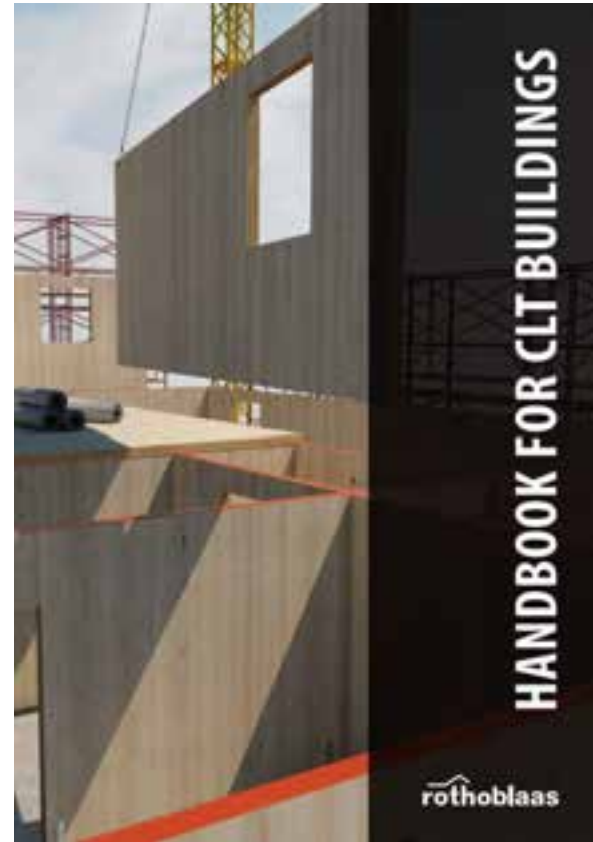
- Pre-review meetings to familiarize with material and construction techniques
- Event promotions to inform county residents of construction methods and benefits of CLT

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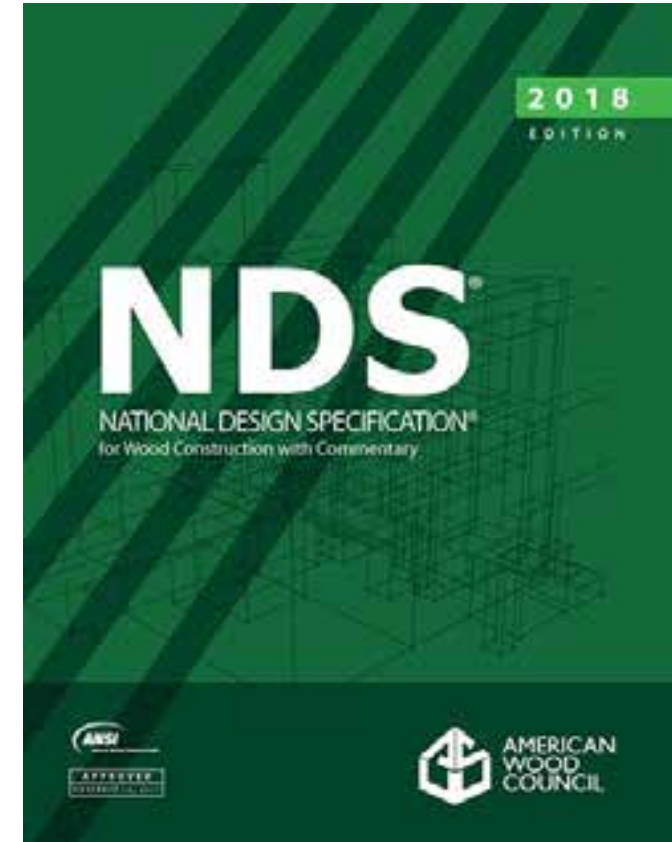
# PLANNING PROCESS



FLORIDA BUILDING CODE



CLT BUILDING HANDBOOK



NATIONAL DESIGN  
SPECIFICATION  
FOR WOOD CONSTRUCTION



# CONSTRUCTION & CHALLENGES



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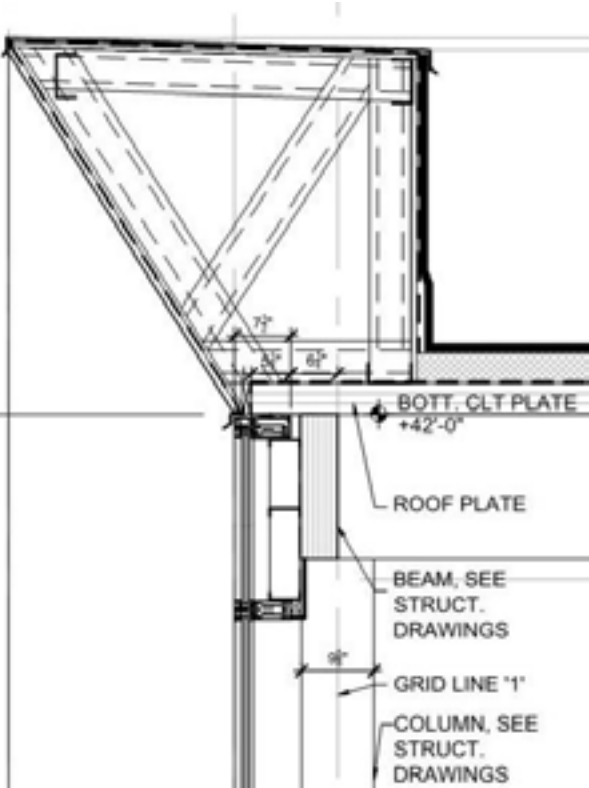
## CHALLENGES

- Code and fire protection compliance
- Sub-contractor experience and installation
- Material storage and introduction

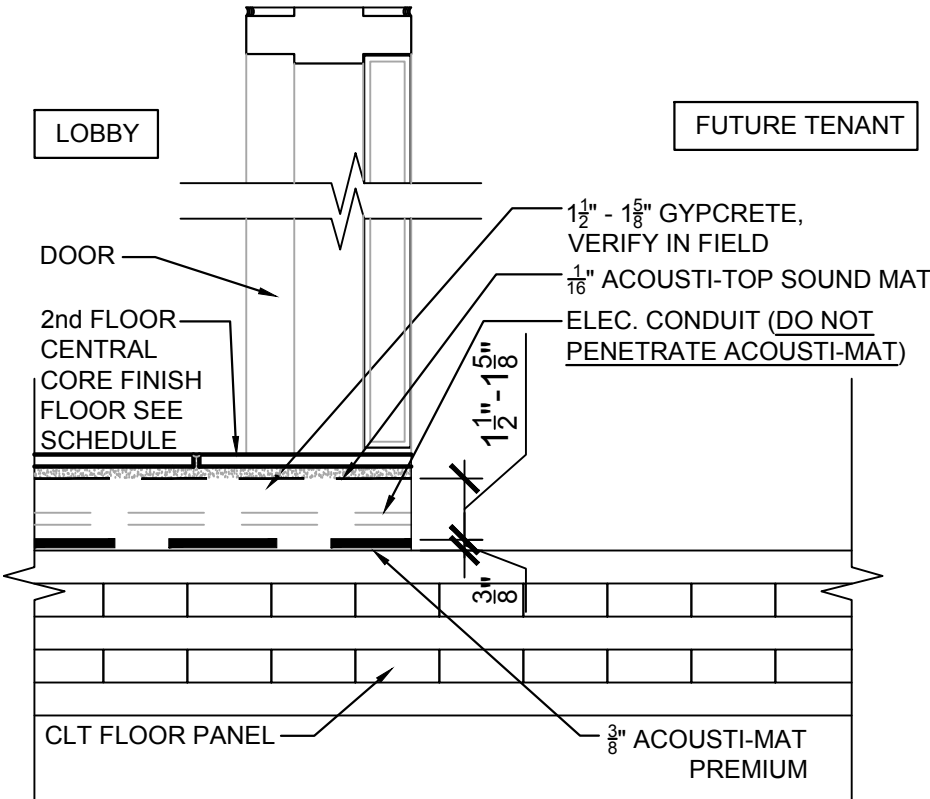


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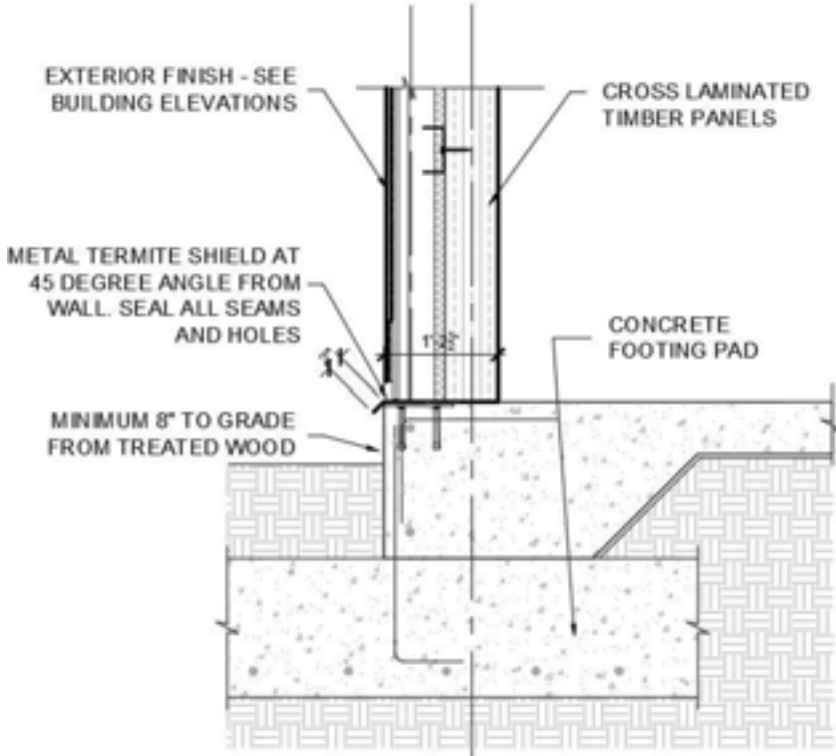
# CONSTRUCTION & LESSONS LEARNED



ROOF PLATE DETAIL



FLOOR DETAIL



WALL PLATE TO CONCRETE FOOTING DETAIL



# CONSTRUCTION & LESSONS LEARNED



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# CONSTRUCTION & LESSONS LEARNED



10-23-2019



10-29-2019



10-30-2019



11-20-2019



10-23-2019



10-30-2019



11-08-2019



12-10-2019

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# CONSTRUCTION & CHALLENGES



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# CONSTRUCTION & LESSONS LEARNED



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# CONSTRUCTION & LESSONS LEARNED



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# SPACE FUNCTIONALITY



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**Thank you!**

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