

# Keosauqua Building Rehabilitation



*Cole Taylor*



*Scott Blondin*



*Trevor Weise*

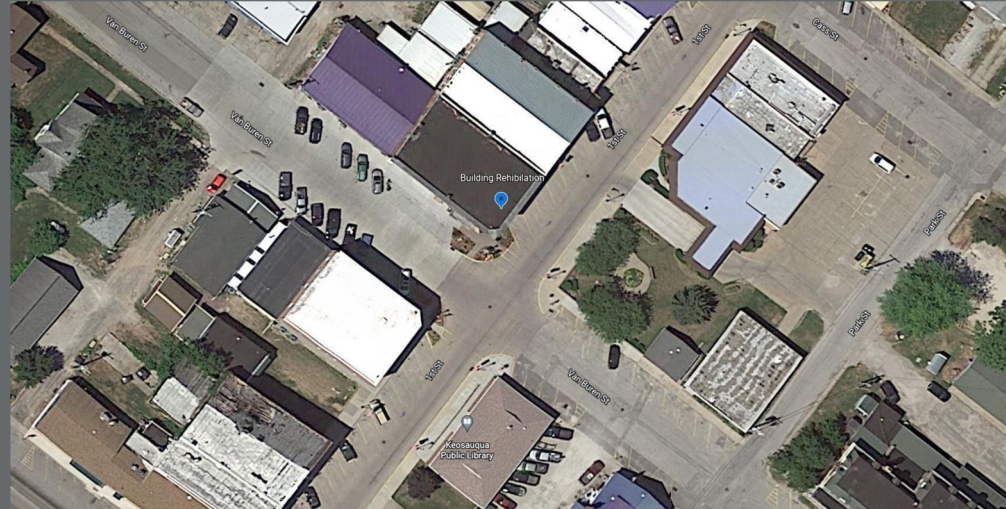


*Mohammed Omer*



# Site Location

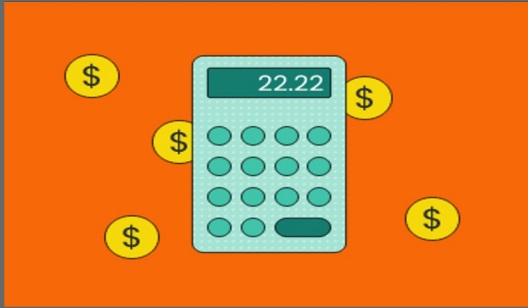
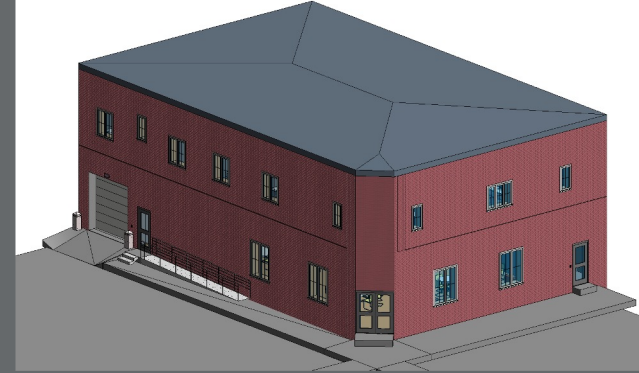
*Project Address: 705 1st Street  
Client: Joy Padgent*



# Presentation Outline

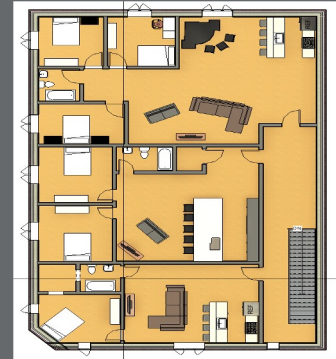


*Project Goals*



*Cost Estimation*

*Design & Analysis*





# Project Goals



*Luxury Apartment  
Units*

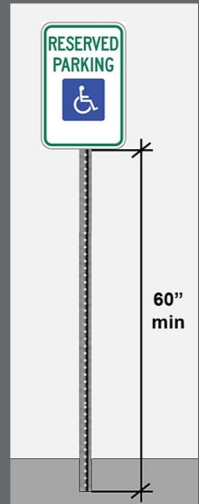
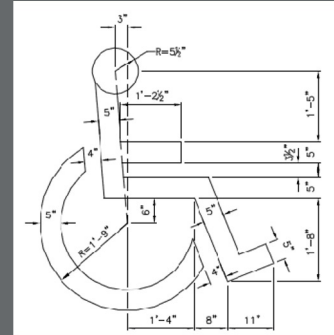
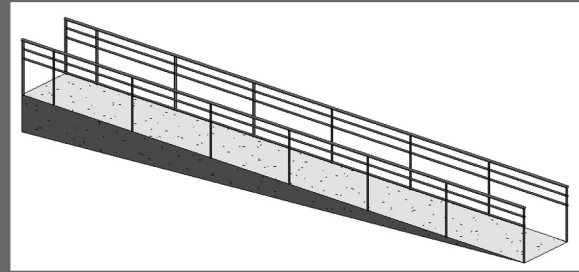
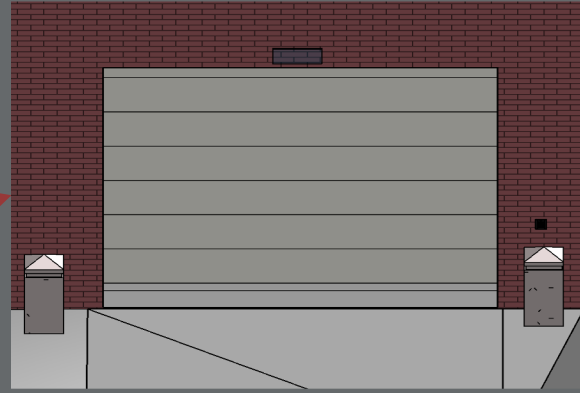
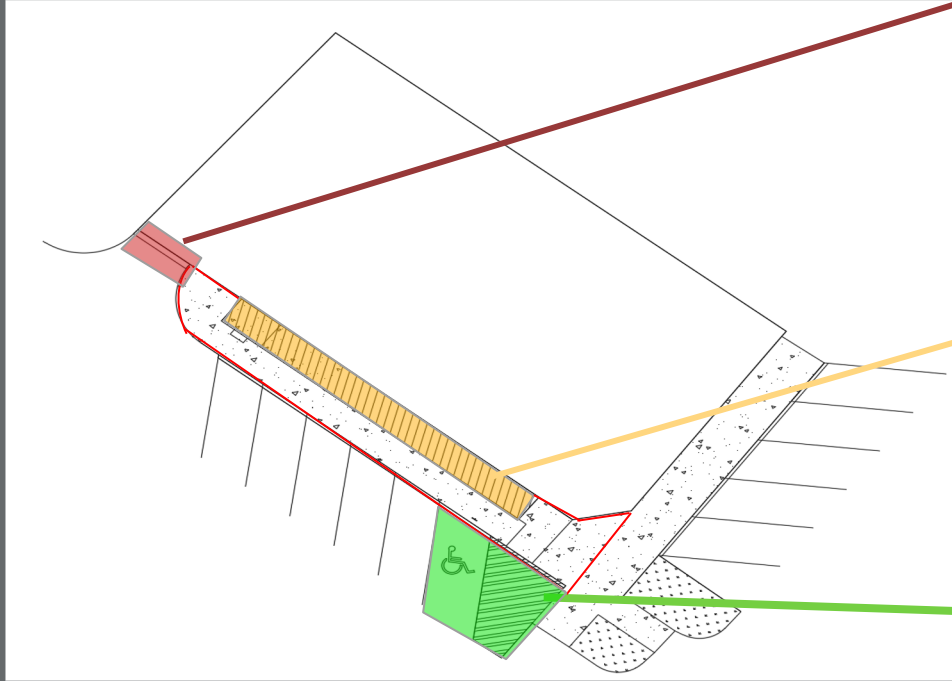


*Restaurant on  
ground floor*



*Updated exterior*

# Site Design



# Architectural Design and Layouts:



# Architectural Design 1st Floor



*RESTAURANT SPACE: 2,299 SF*



*KITCHEN SPACE: 486 SF*



*ENTRANCE AND MAILROOM: 400 SF*



*RESTROOMS: 202 SF*

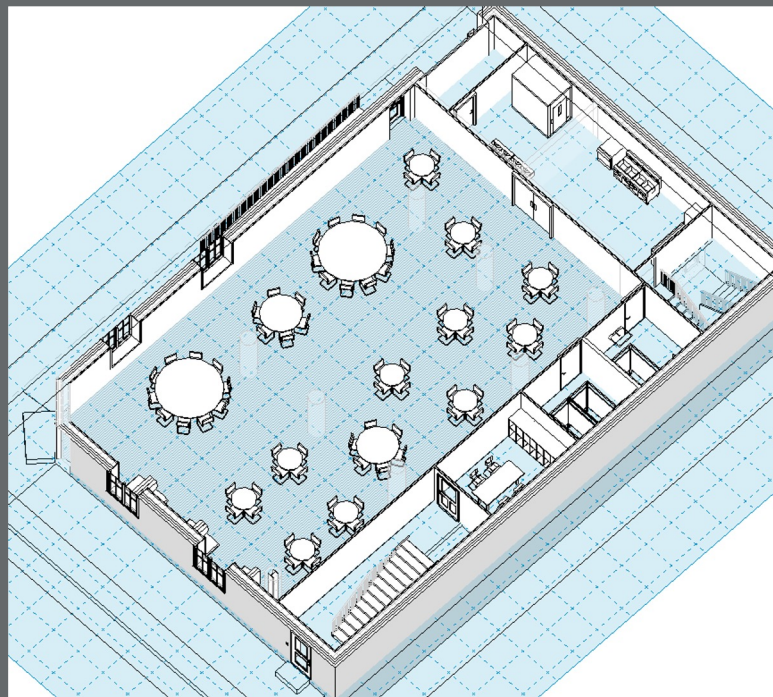
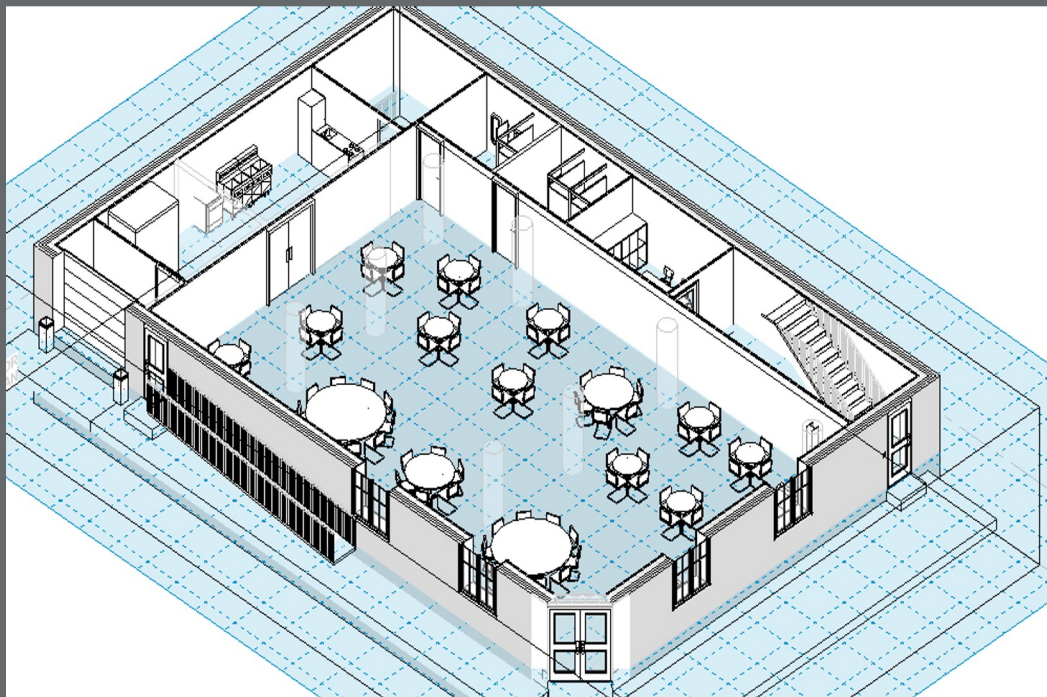


*BASEMENT STAIRCASE: 162 SF*





# Architectural Design 1st Floor Rendering



# Architectural Design 2nd Floor



*UNIT 3:  
1404 SF*



*UNIT 2:  
988 SF*



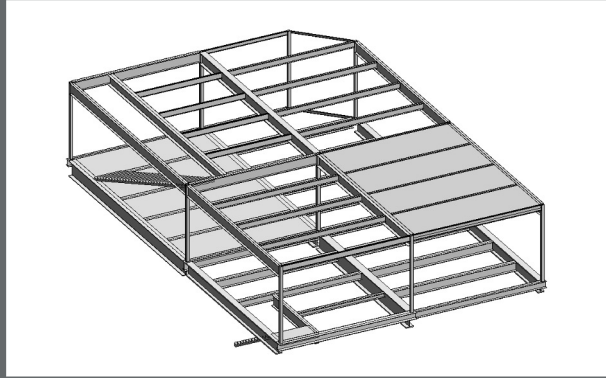
*UNIT 1:  
704 SF*



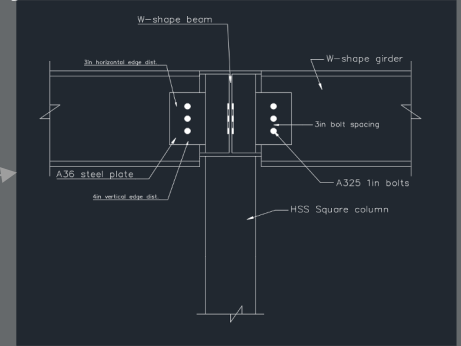
*SHARED LANDING:  
490 SF*



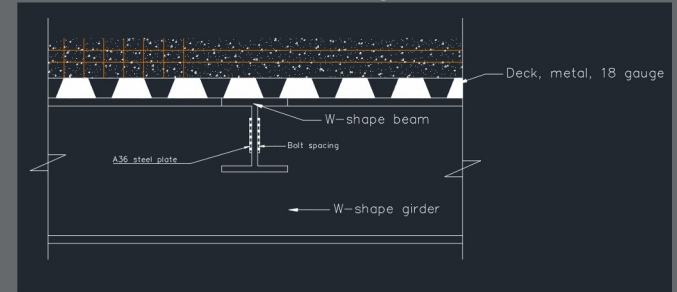
# Design of Structural System



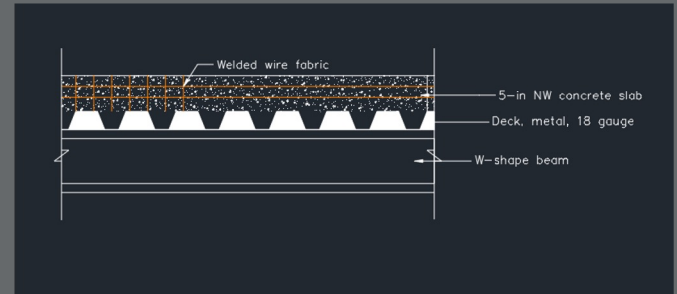
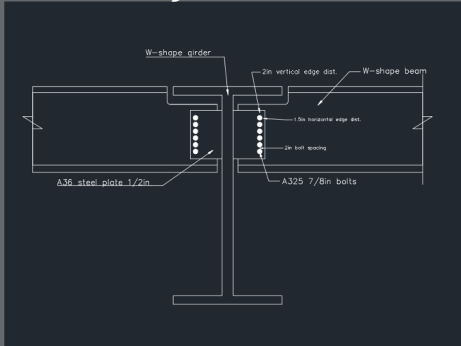
## Girder to Column Connection



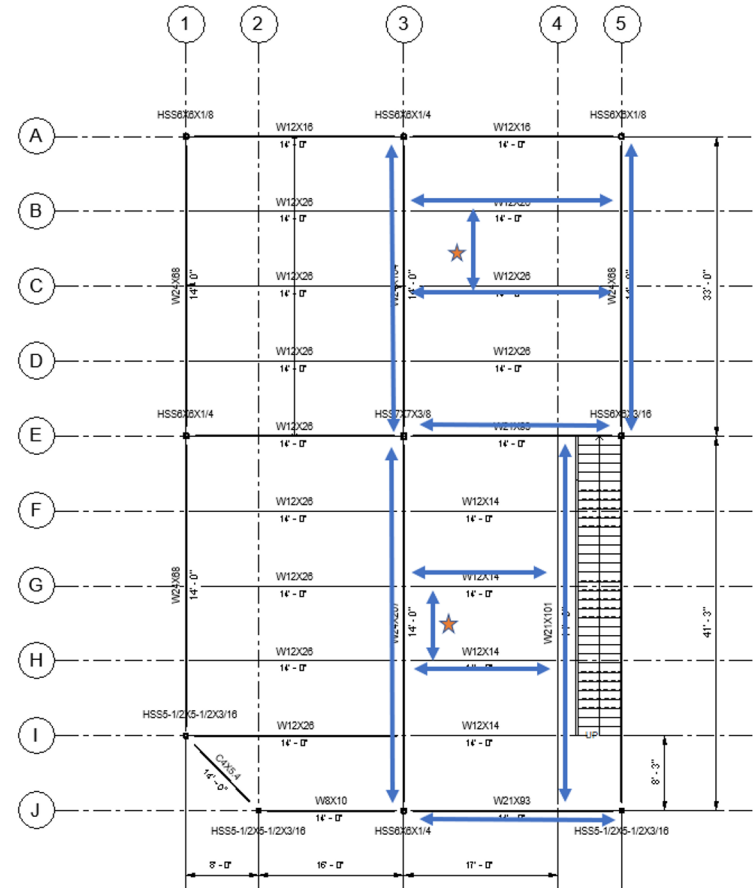
## Decking



## Beam to Girder connection

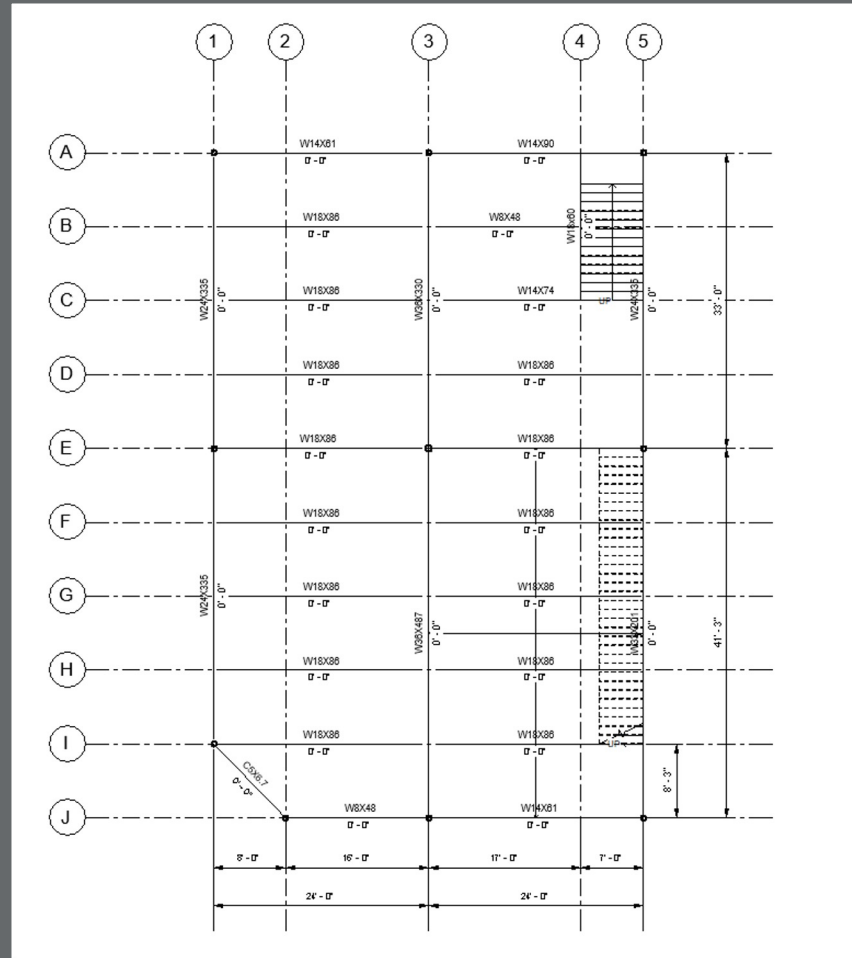


# 2nd Floor Structural Framing Plan

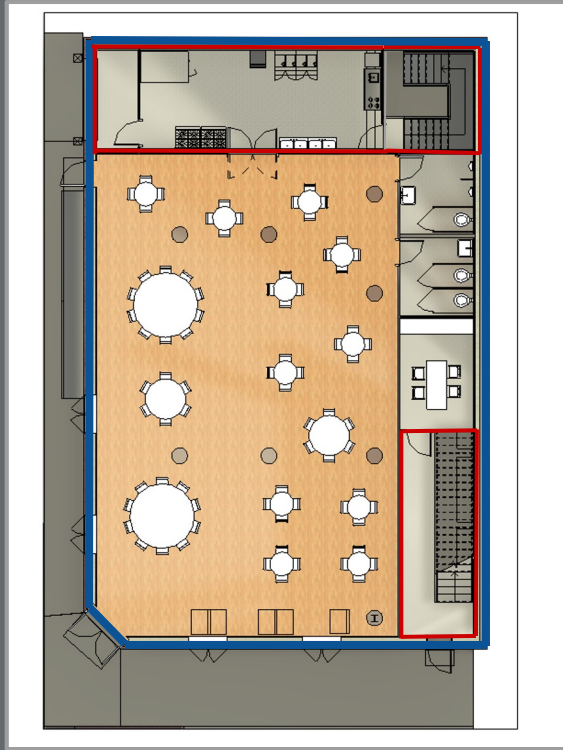




# 1st Floor Structural Framing Plan

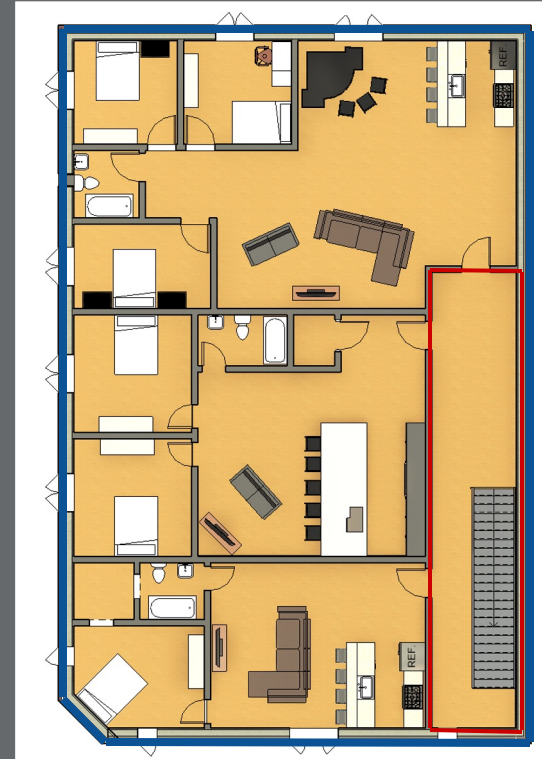


# Fire Rating Design and Specifications:



*1st Floor Fire Proofing Plan*

- *2-Hour Fire Rated*
- *1-Hour Fire Rated*
- *0.5-Hour Fire Rated*



*2nd Floor Fire Proofing Plan*

# Construction Cost Estimate

Discipline	Cost (USD)
Demolition	<i>\$85,000.00</i>
Site	<i>\$36,500.00</i>
Structural	<i>\$805,000.00</i>
Architectural	<i>\$345,000.00</i>
MEP	<i>\$233,500.00</i>
Materials and Labor Subtotal	<i>\$1,505,000.00</i>
Construction and Administration (20%)	<i>\$301,000.00</i>
Contingency (15%)	<i>\$226,000.00</i>
Total Construction	<i>\$2,032,000.00</i>

# Questions?

