

Historic Rehabilitation



507 Main façade, 2019



507 Main façade, circa 1913.



Presentation Outline



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graph LR; A[Project Scope] --> B[Design Elements]; B --> C[Phasing]; C --> D[Conclusions and Recommendations];
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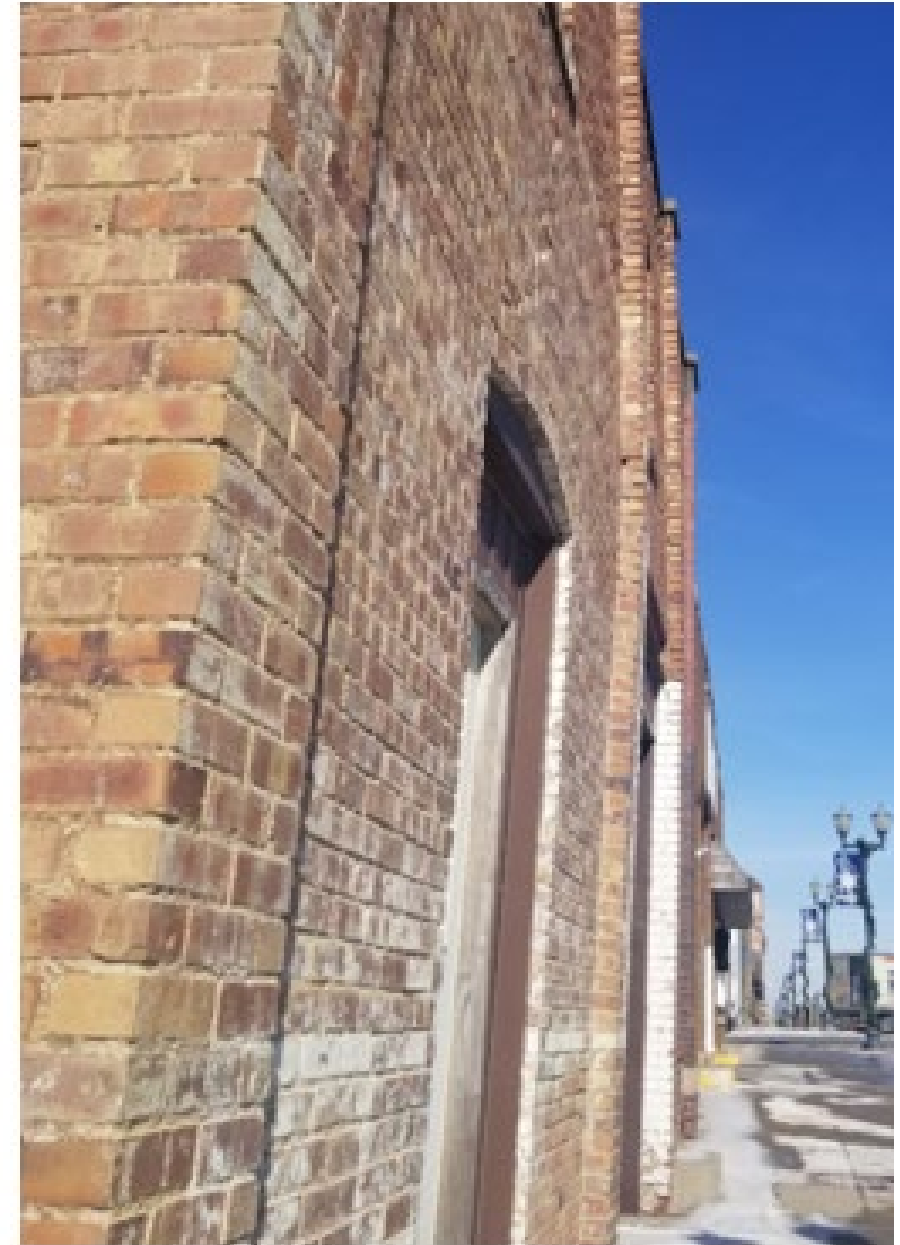
Project Scope

Design Elements

Phasing

Conclusions and
Recommendations

Project Scope



Project Scope



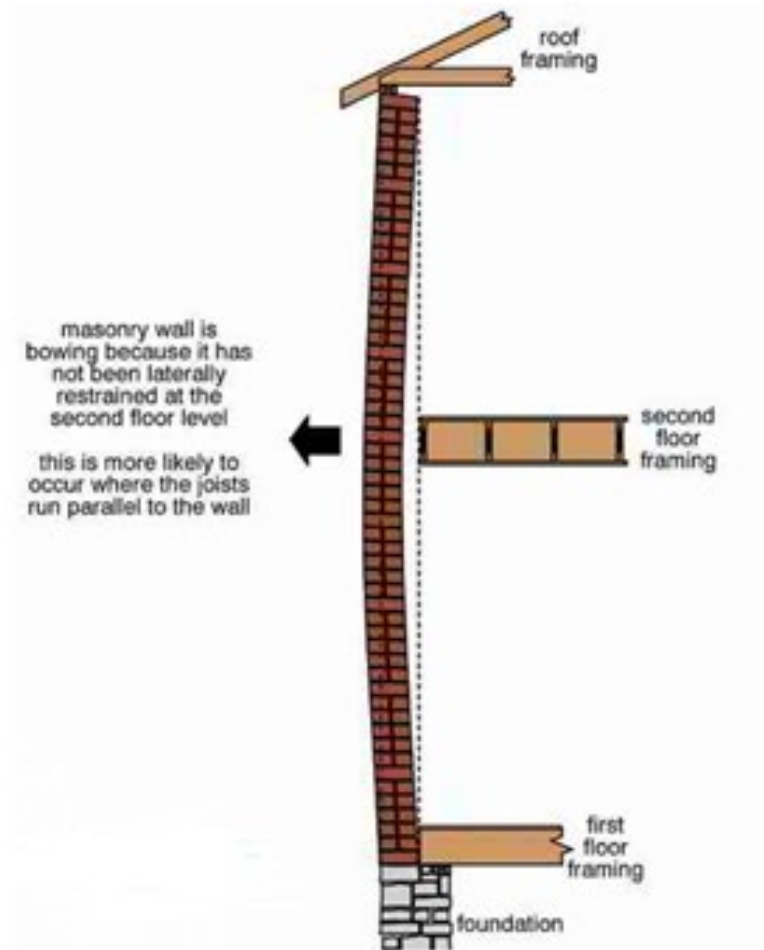
Project Scope



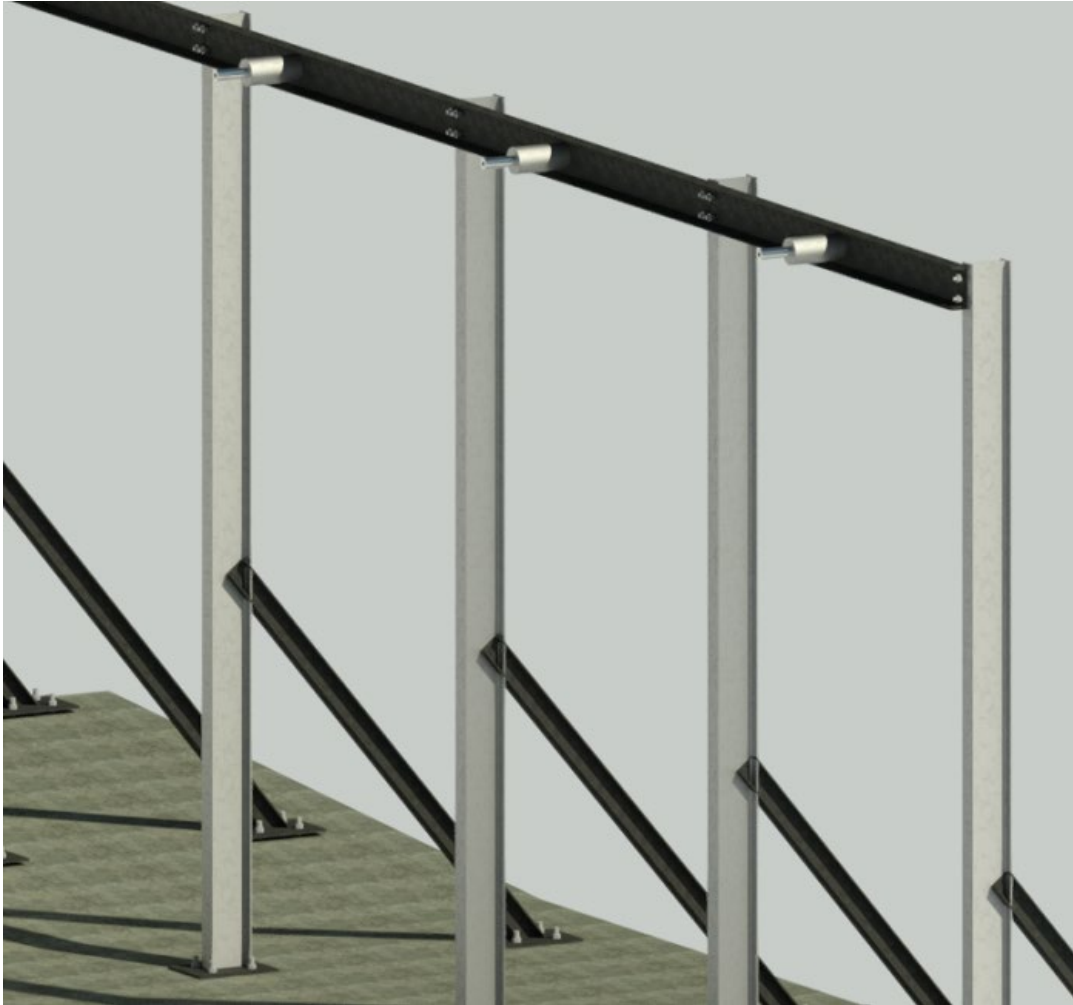
Project Scope



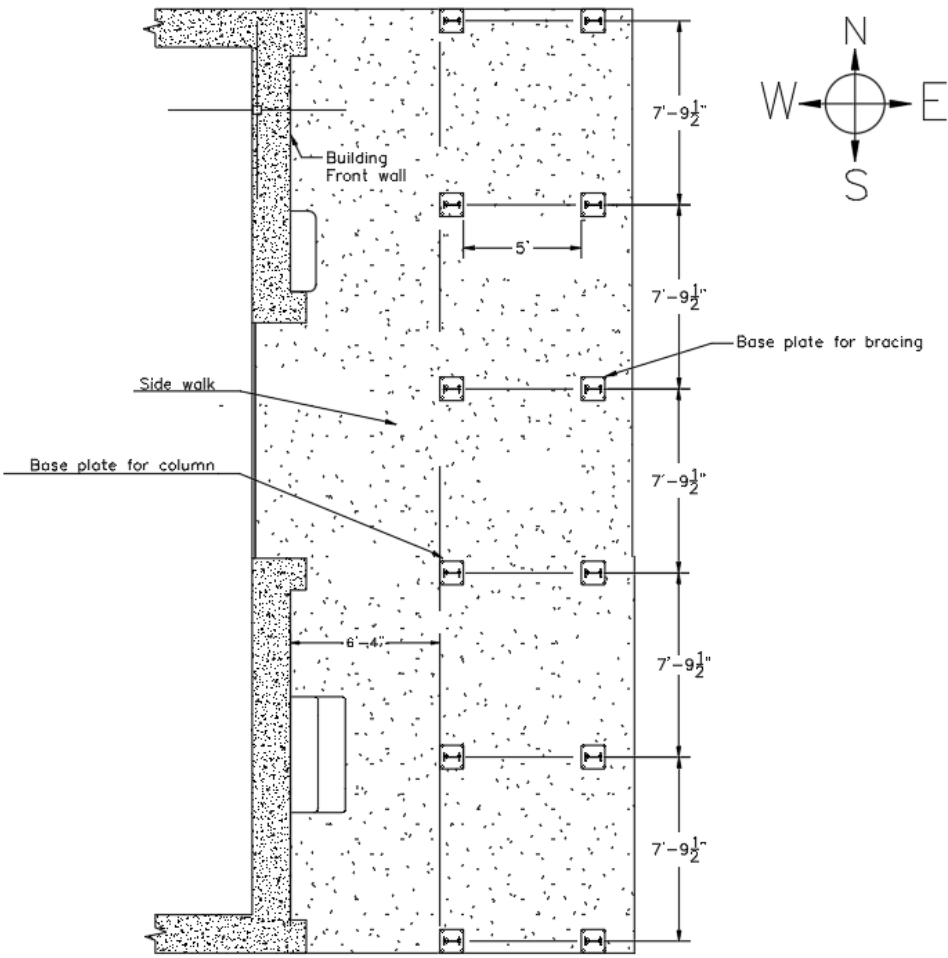
Front Façade



Steel Frame for Bracing and Leveling the Veneer Wall



Base Plate Location on Sidewalk

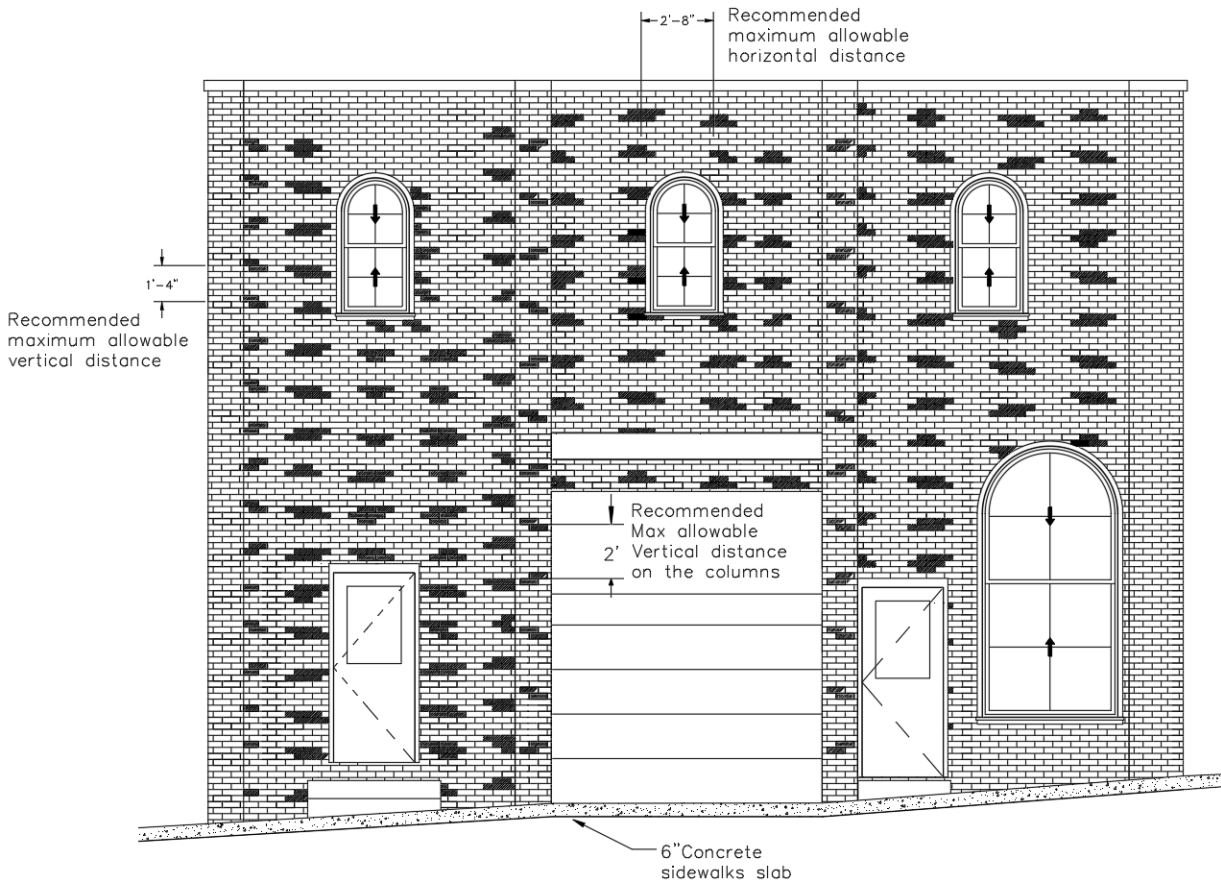


Plan view



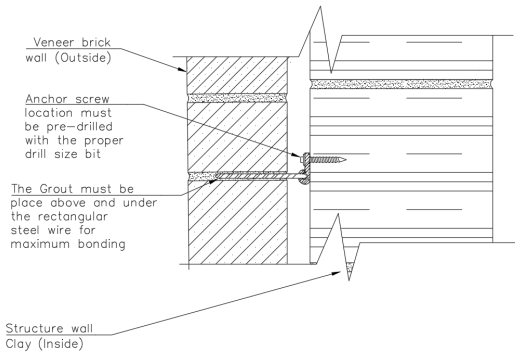
Elevation view

Recommended Brick Removal Locations

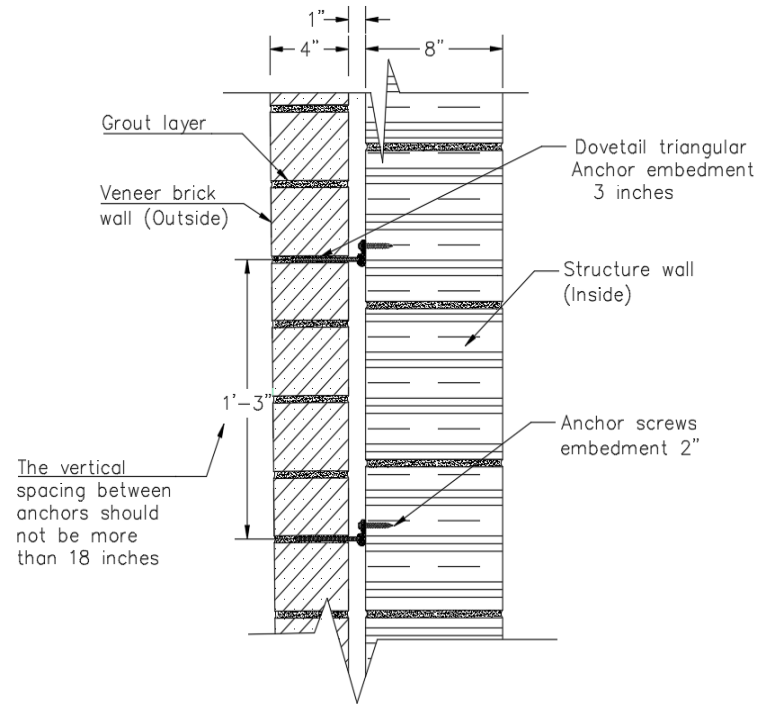


Recommended Brick Locations Removal

Lateral Connections (Anchors)



Cross Section of the Anchor

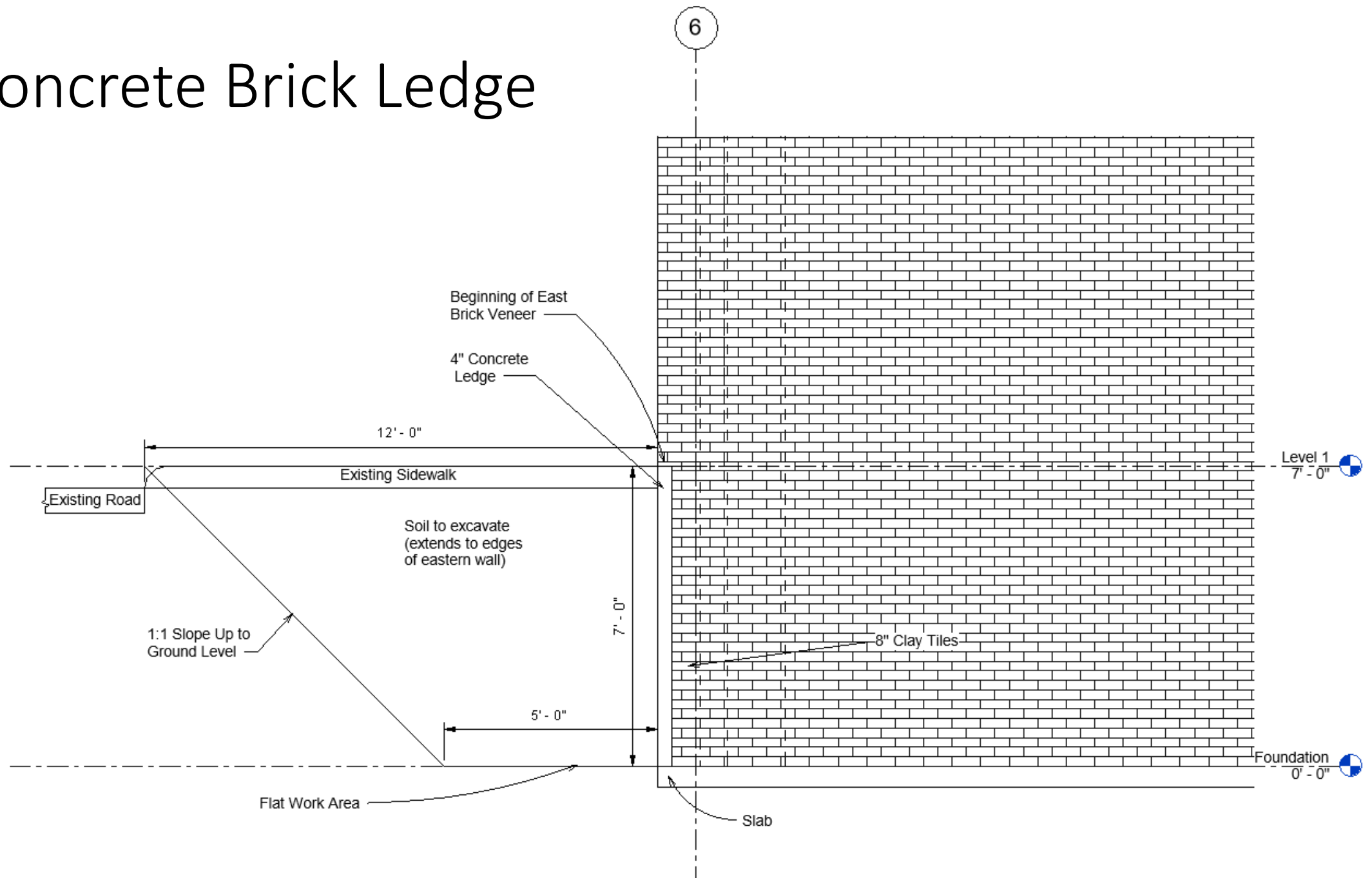


The vertical spacing between anchors should not be more than 18 inches

Cross Section Of The East Wall



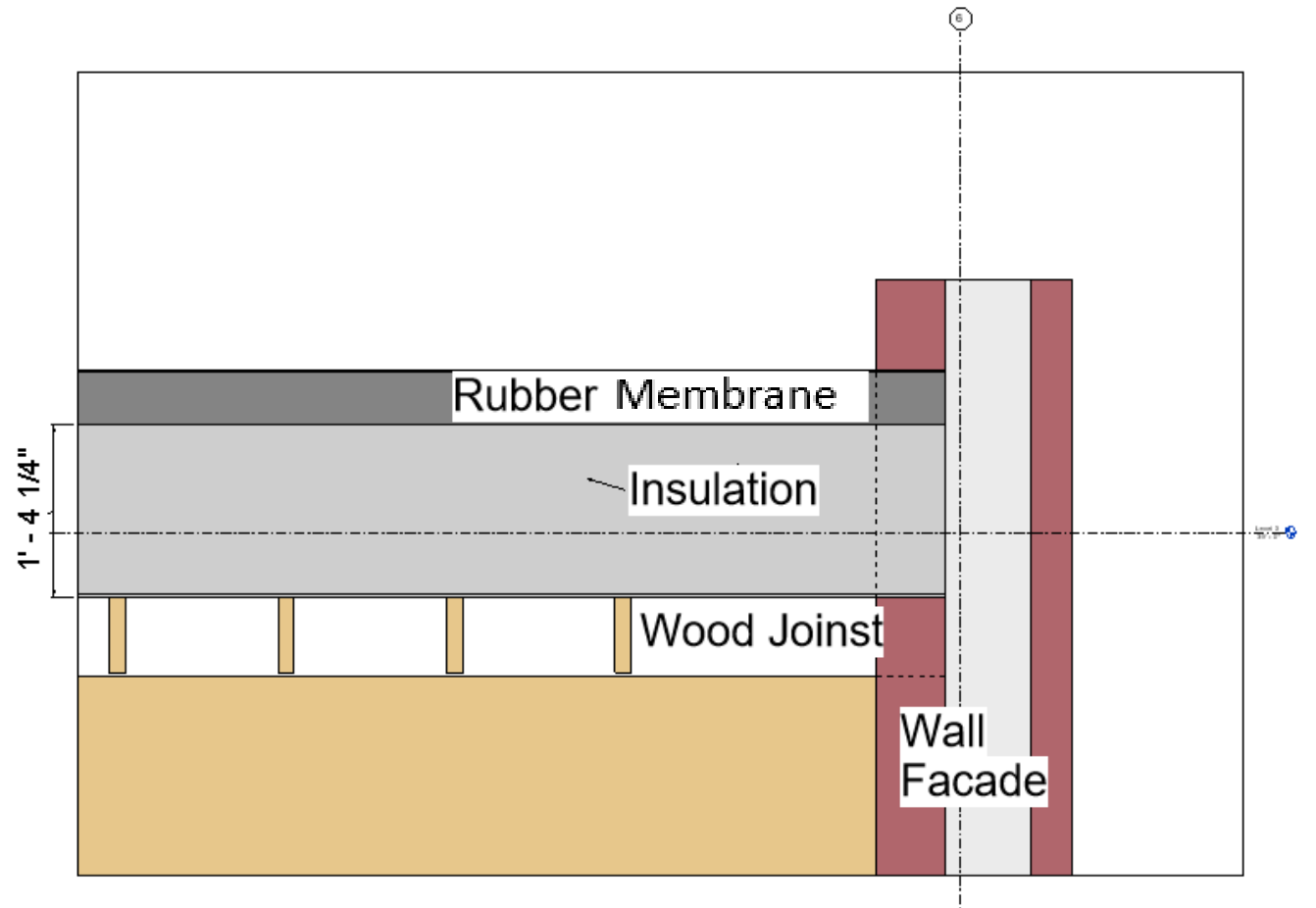
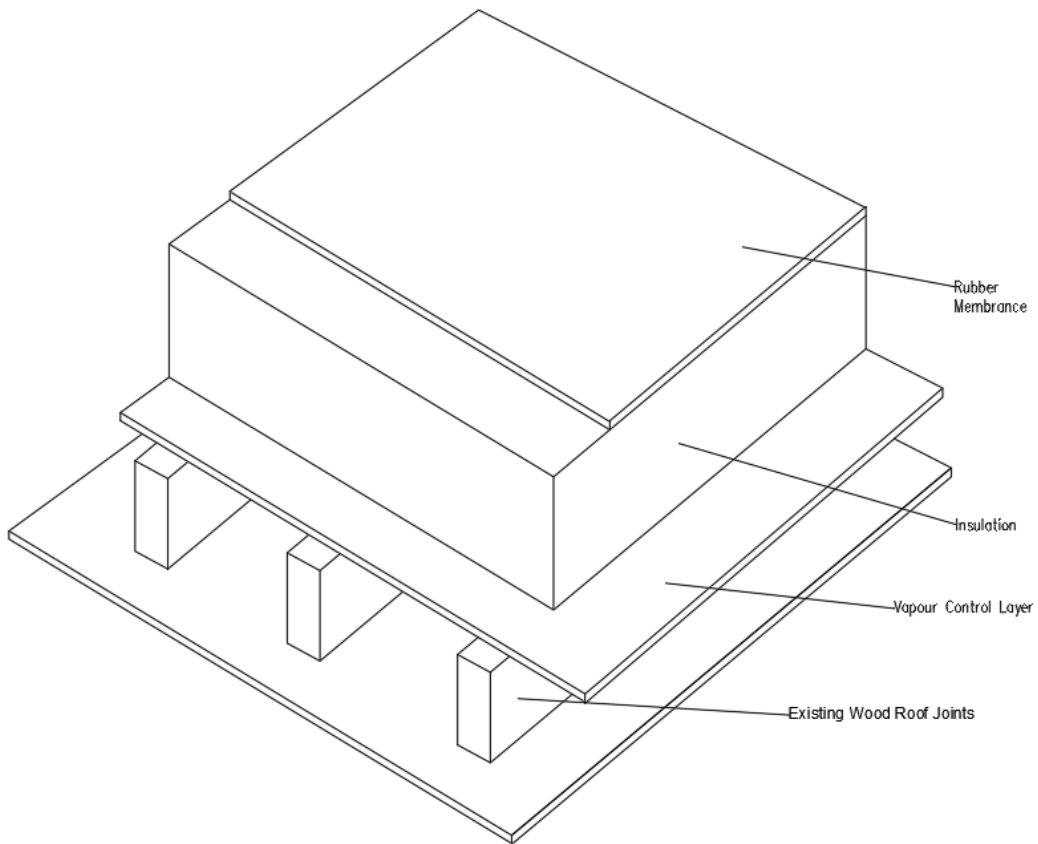
Concrete Brick Ledge



Roof



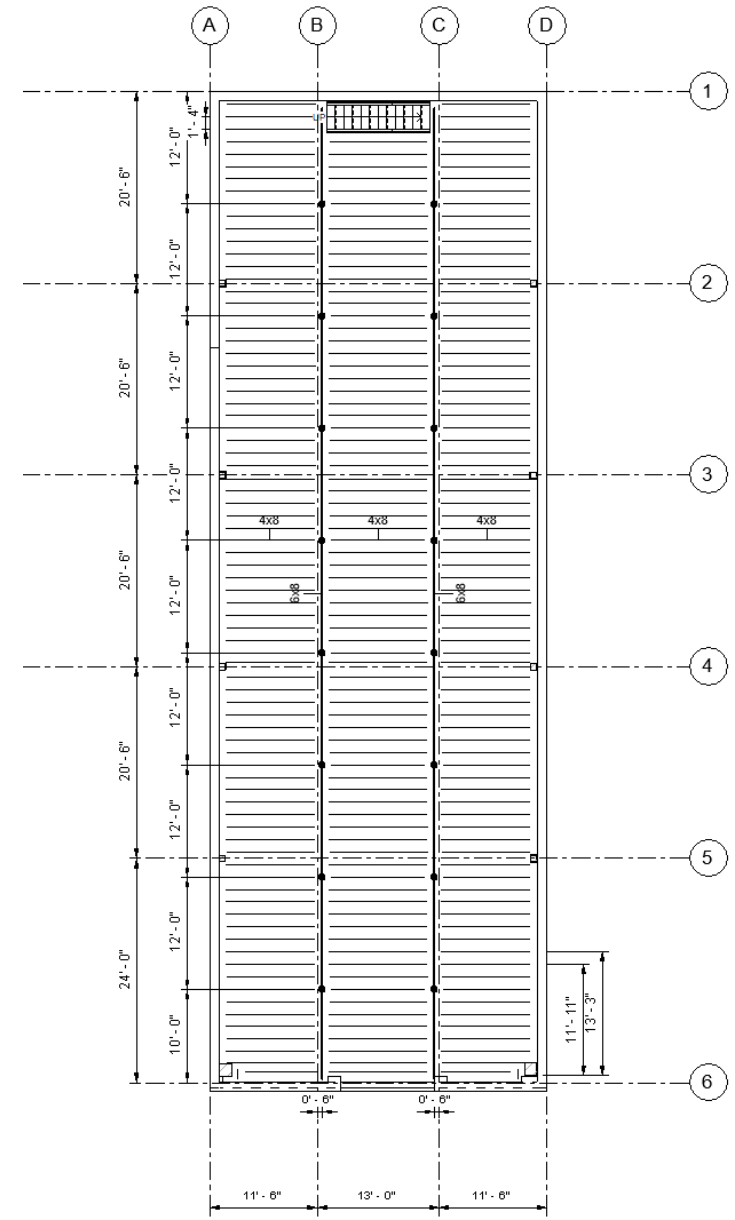
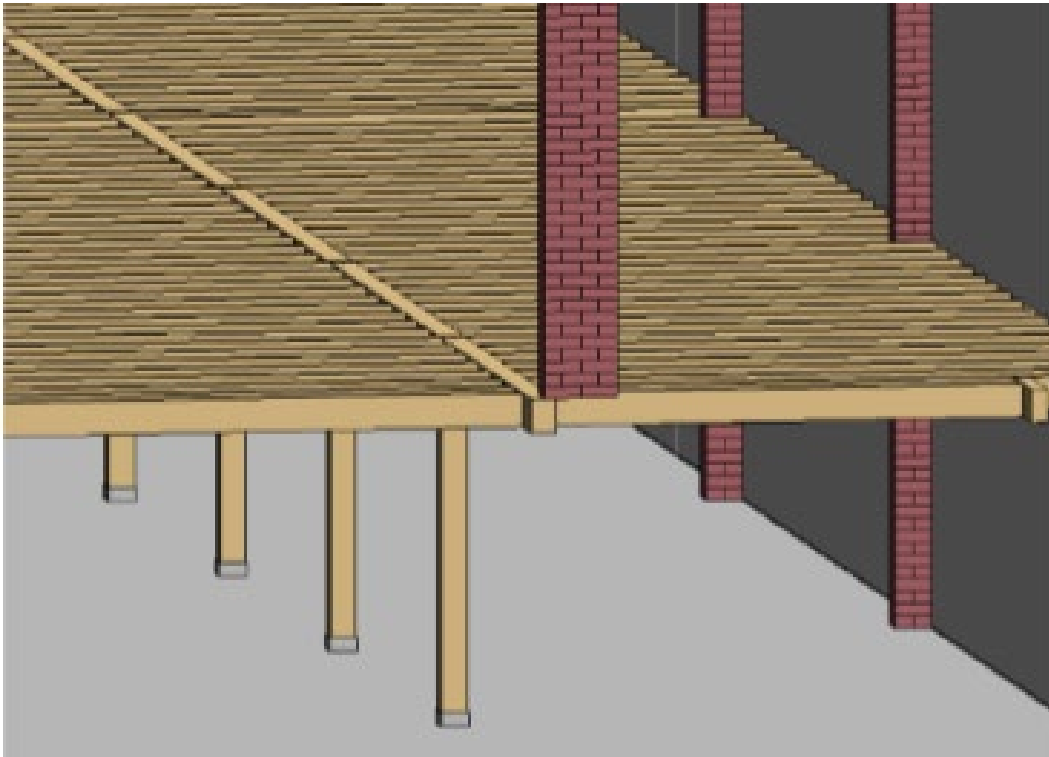
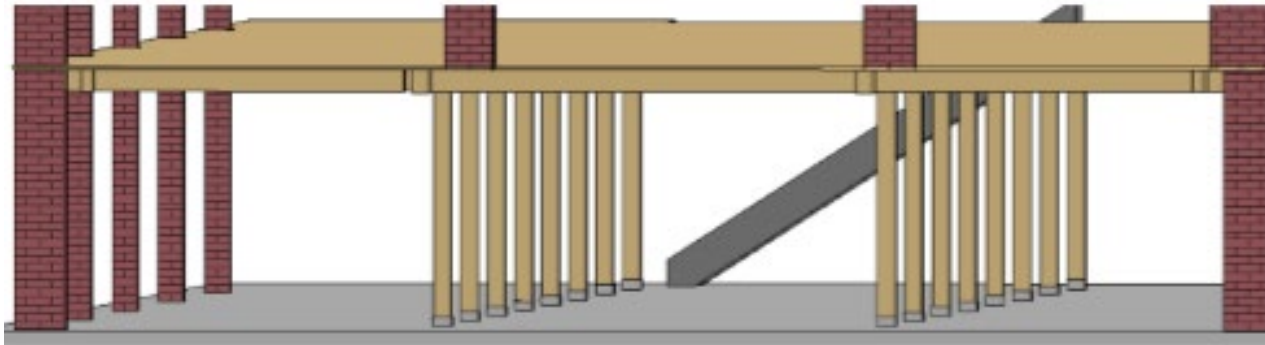
Roof Design



Foundation Columns and First Floor Framing

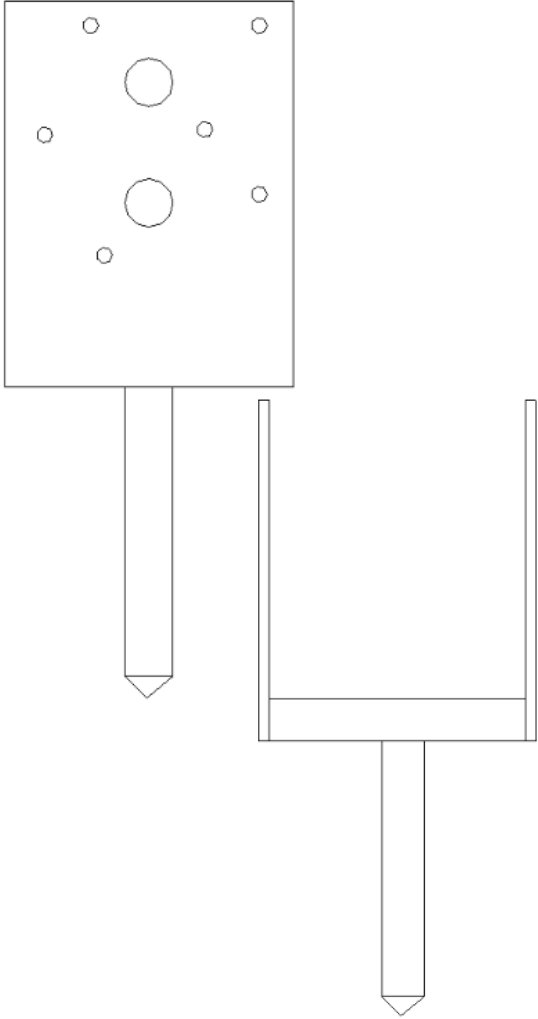


Foundation Columns and First Floor Framing Design

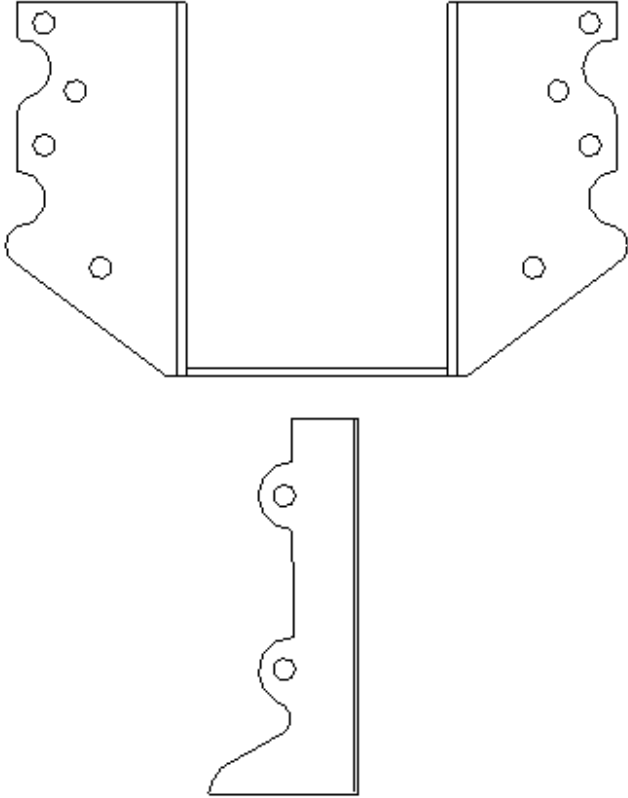


Wood Framing Connections

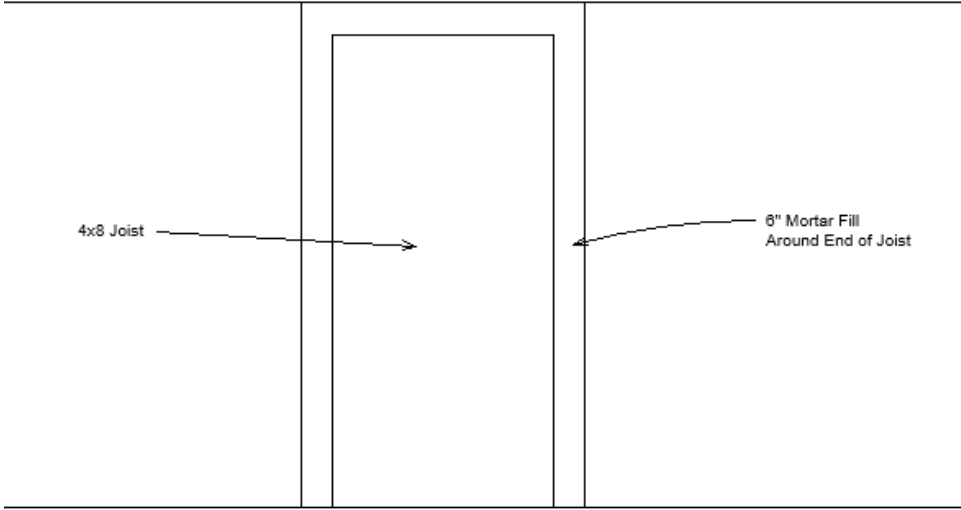
6x6" 12-Gauge Galvanized Adjustable Post Base



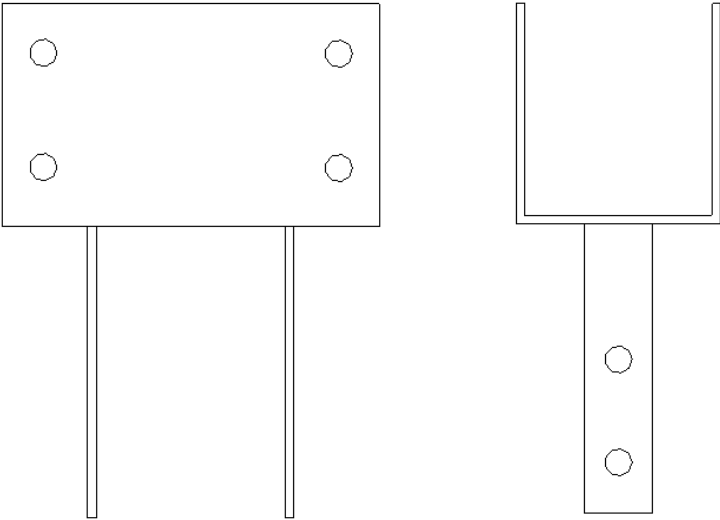
4x8 U46 Joist Hanger



Clay Tile Wall
Joist to Wall Connection



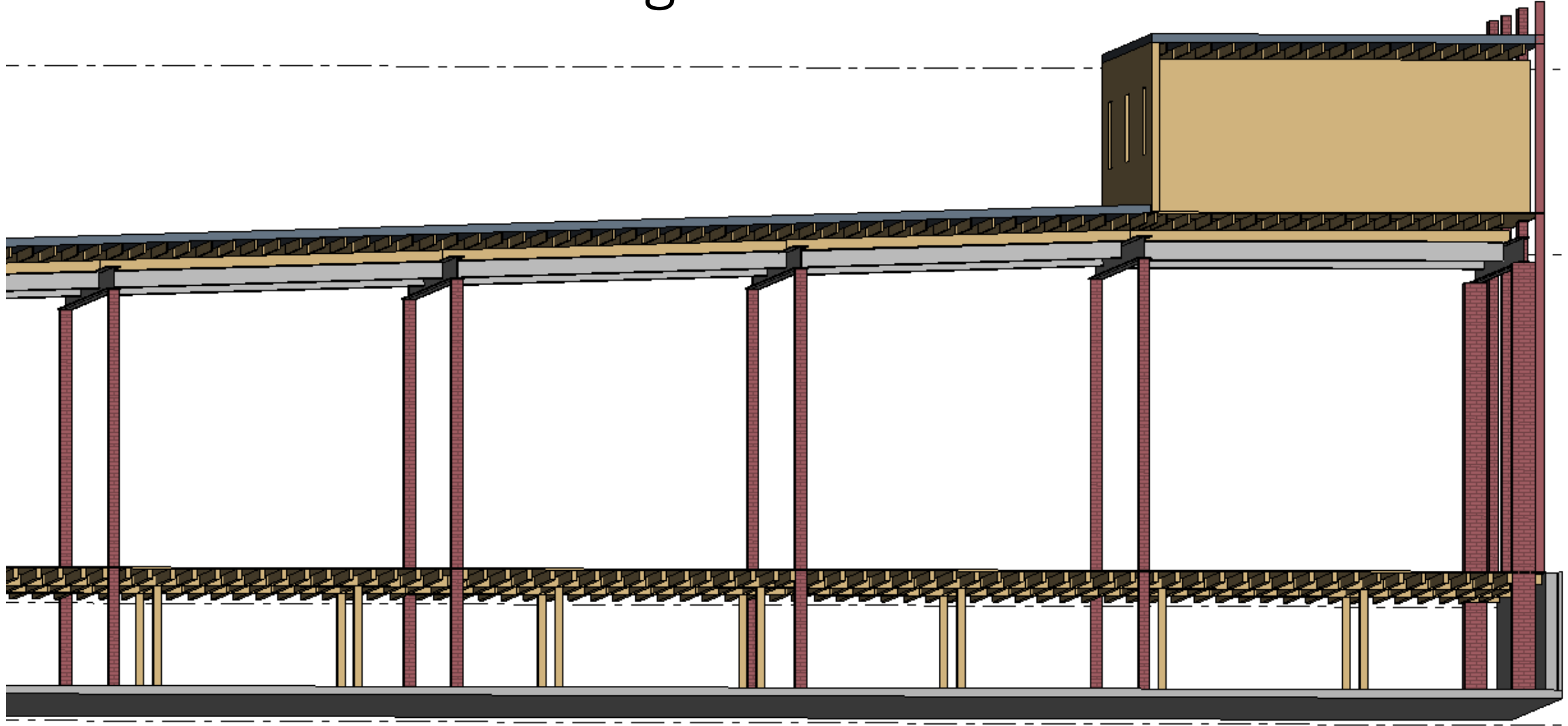
Clay Tile Wall
CC66 Column Cap



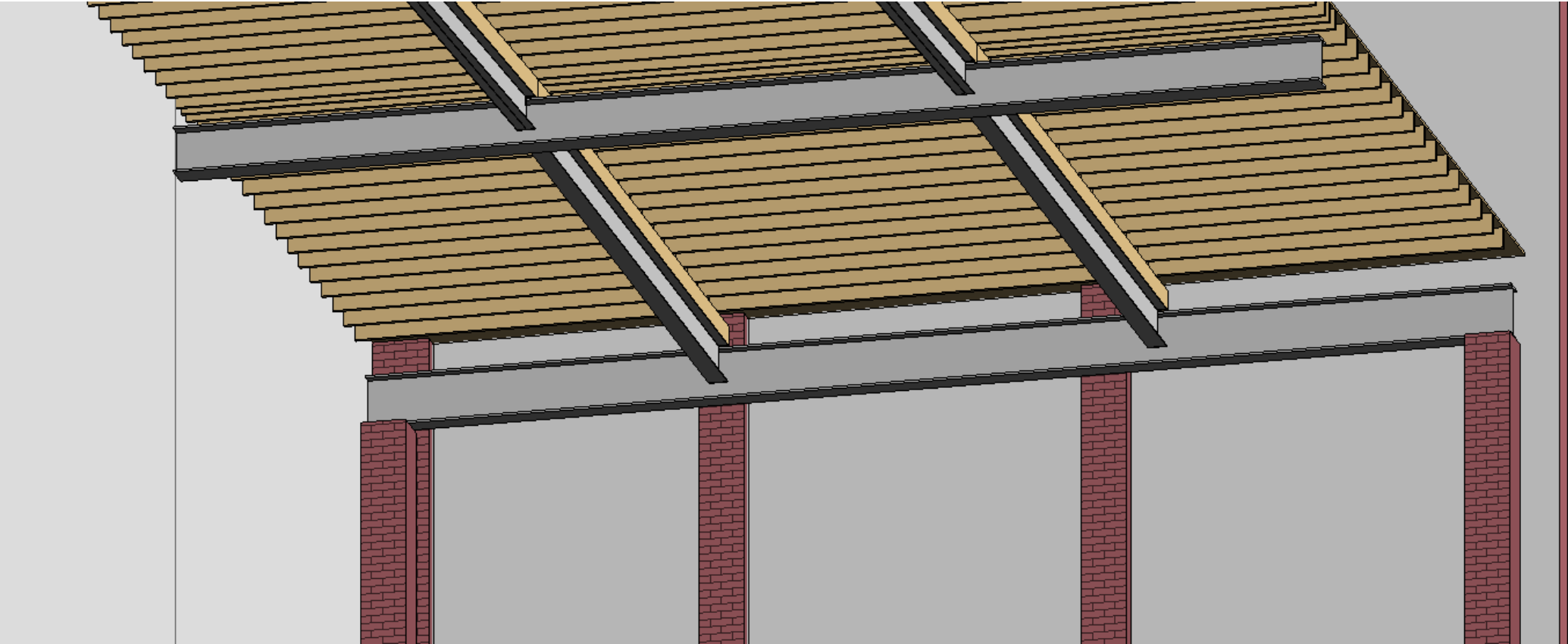
Second Floor Framing



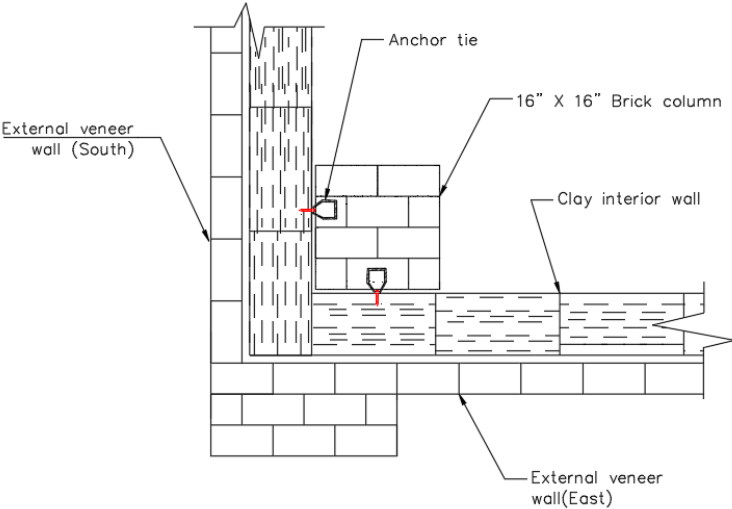
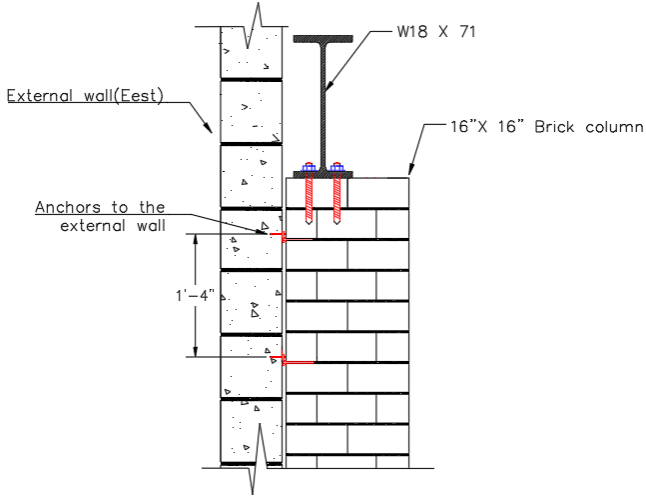
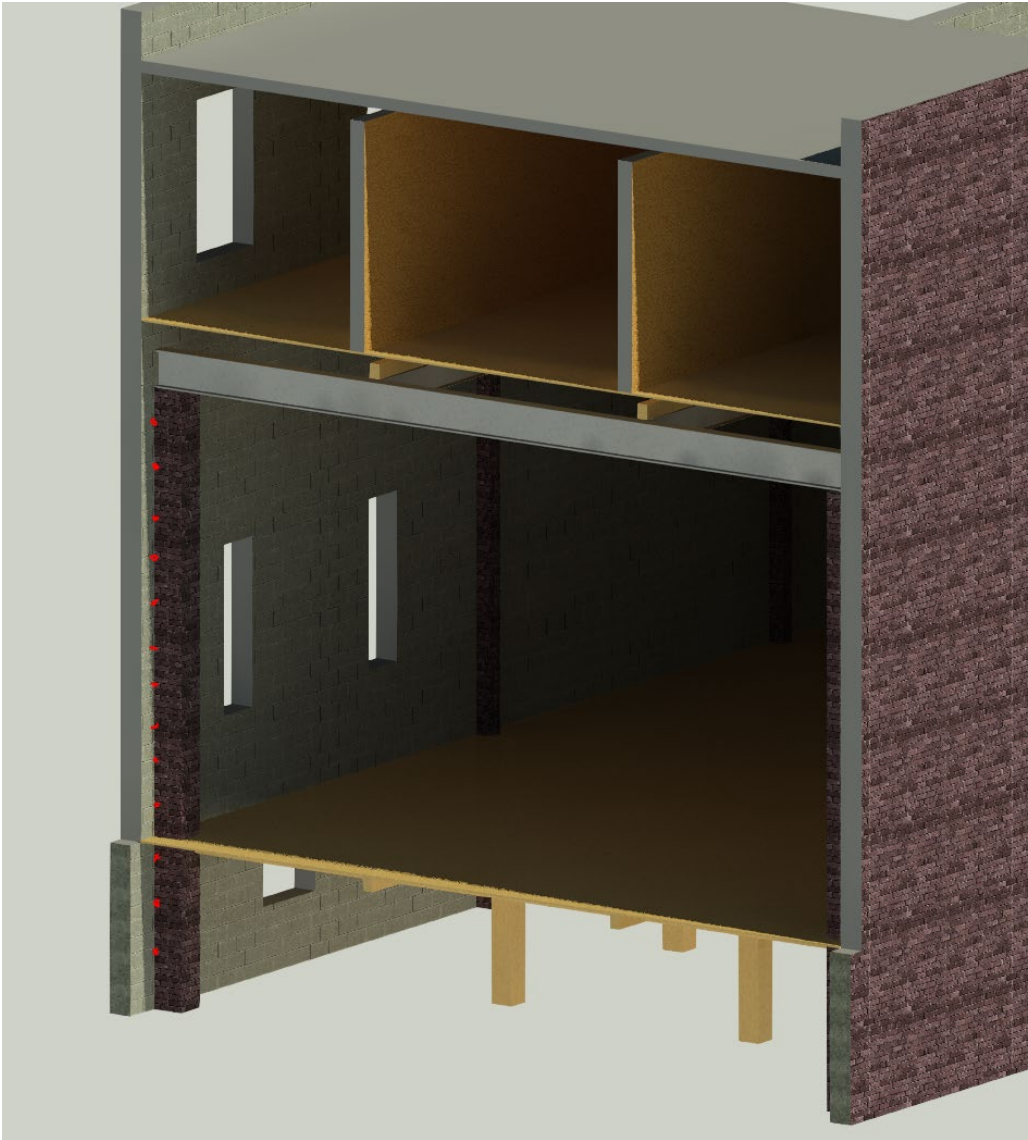
Second Floor Framing



Second Floor Framing

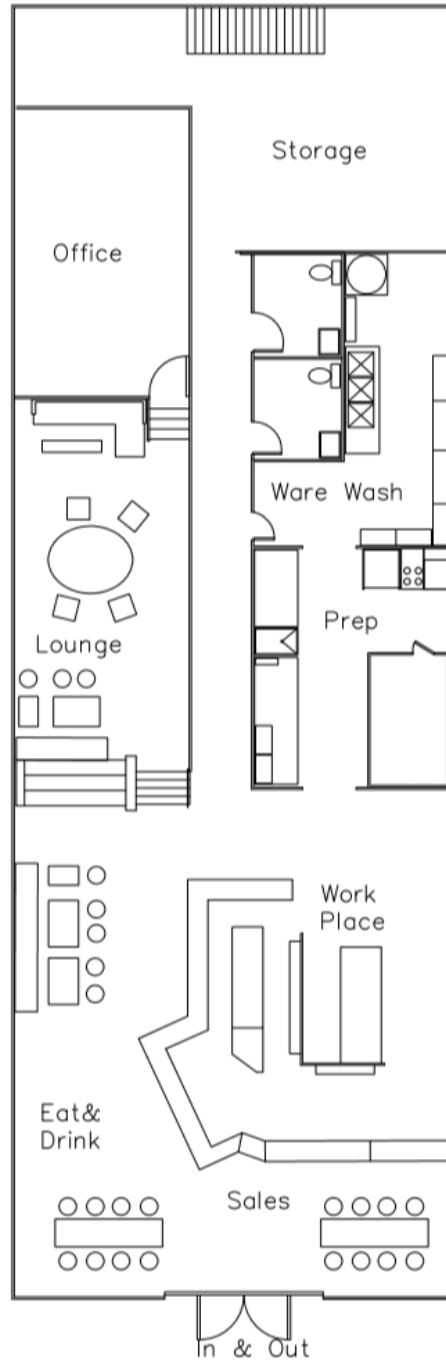


Brick Column Connection



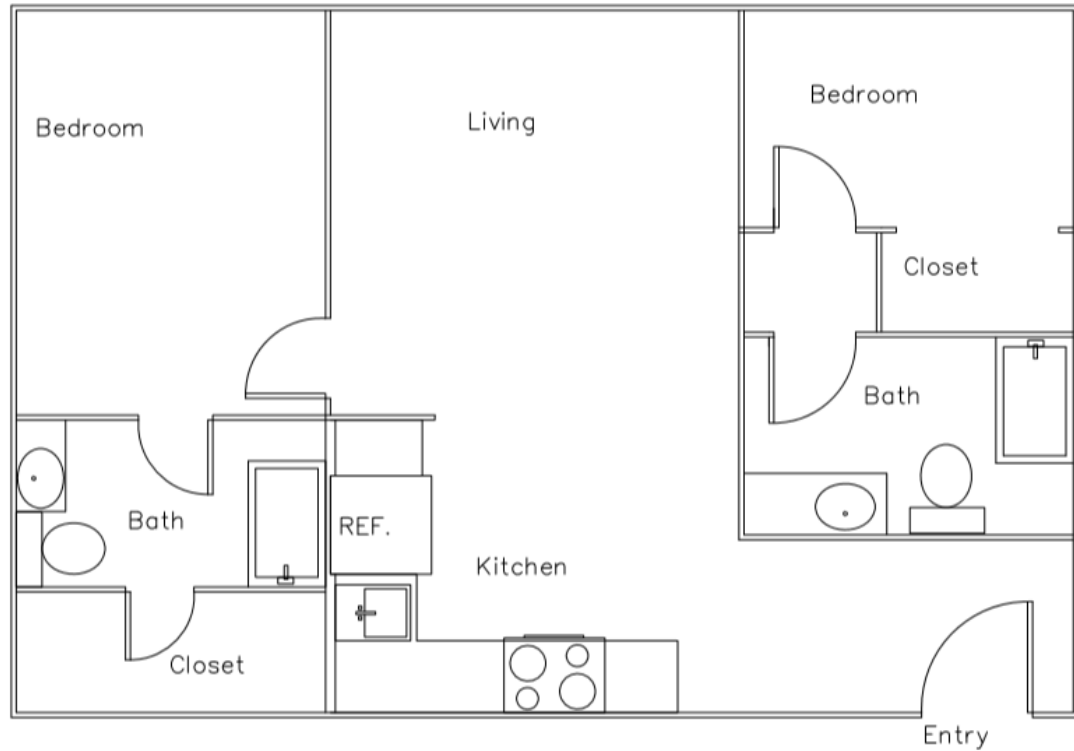
Interior Design

Ground Floor Floor Plan

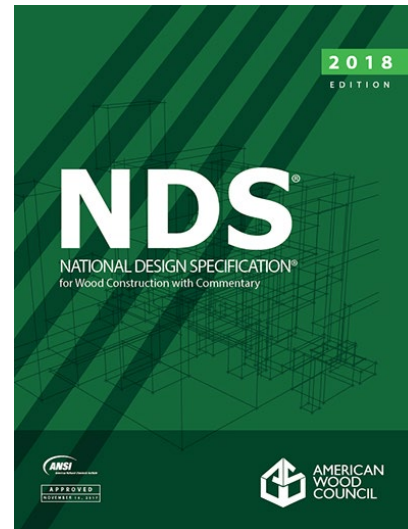
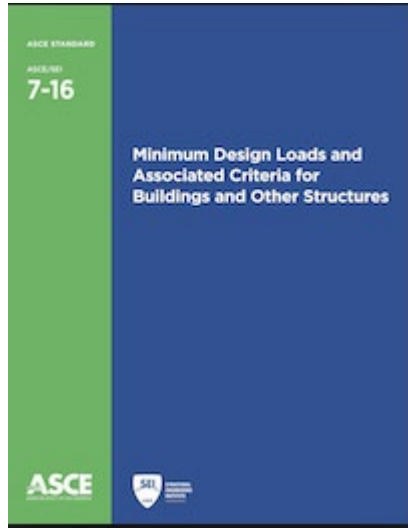


Interior Design

Second Floor
Floor Plan



Design Methods



Cost Estimation and Phasing



Phase 1 External wall (facade)

Steel Framing and wall leveling.....\$ 10,175
Brick removal and installation\$ 28,690
Installing concrete ledge.....\$ 5,953

Phase 1 total..... \$44,818



Phase 2 Roof

Roof Removal\$ 10,000
Roof Installation\$ 25,029

Phase 2 total.....\$ 35,029



Phase 3 Main Floor

Floor Removal.....\$ 6,555
Floor installation.....\$ 52,000
Other installations.....\$ 29,061

Phase 3 total.....\$ 87,616



Phase 4 Second Floor

Floor and walls Removal.....\$ 4,160
Floor and walls installation.....\$ 12,406

Phase 4 total.....\$ 16,566

Contingencies.....\$ 18,402

Administration.....\$ 36,805

Total Project cost..... \$239,235

Conclusions, Recommendations, and Questions

