



UNIVERSITY OF NOTRE DAME | ARCHITECTURE PORTFOLIO

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DESIGN BRIEF

Firehouse designed for the town of Niles, Michigan. The site for this firehouse borders a riverside park on the west and the entrance to the small town on the east. This is designed to fit in with the town's other historic buildings, but also respond to the park and pedestrian areas. This is accomplished through quaint vernacular design and a small firehouse museum bordering the park.

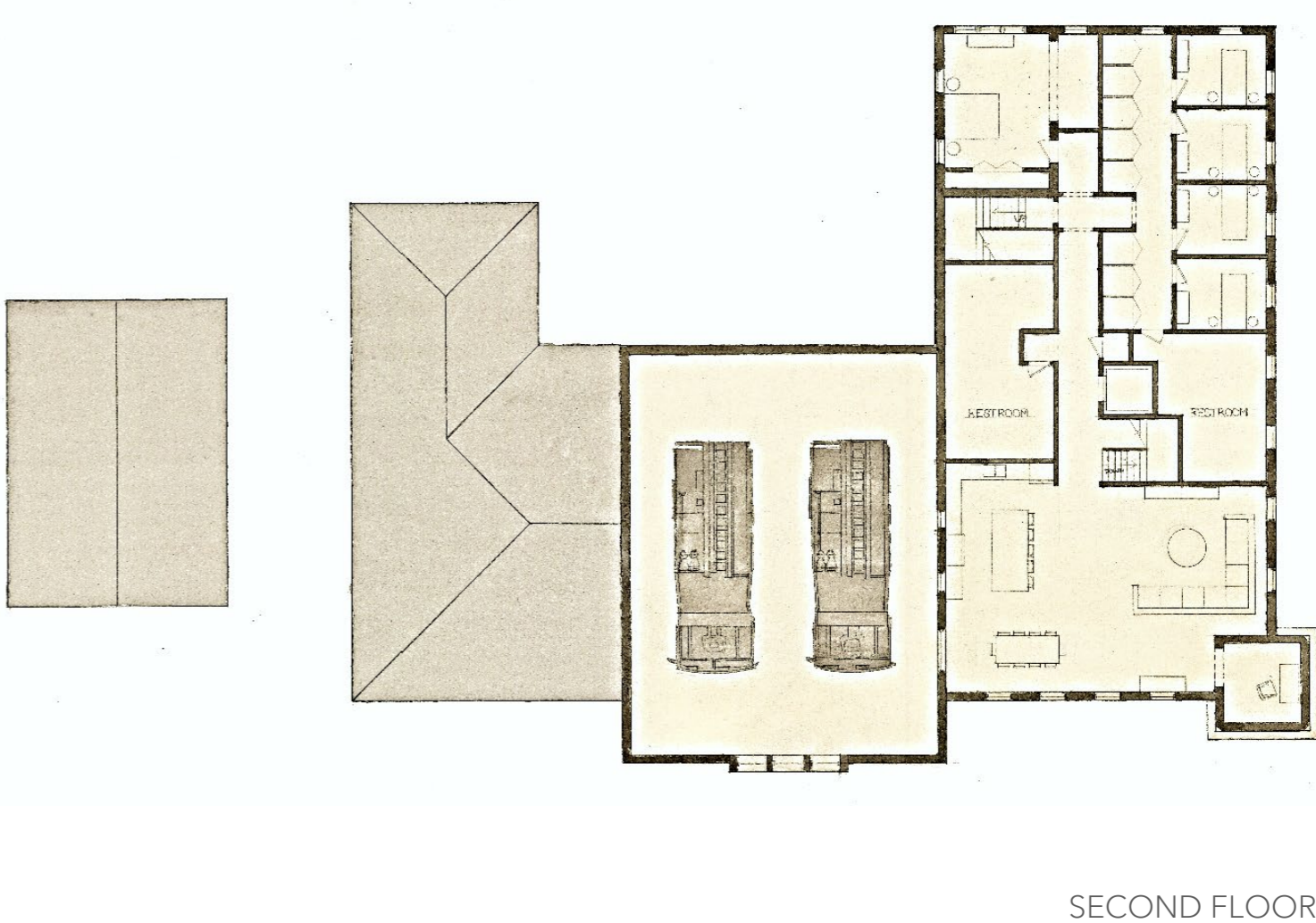
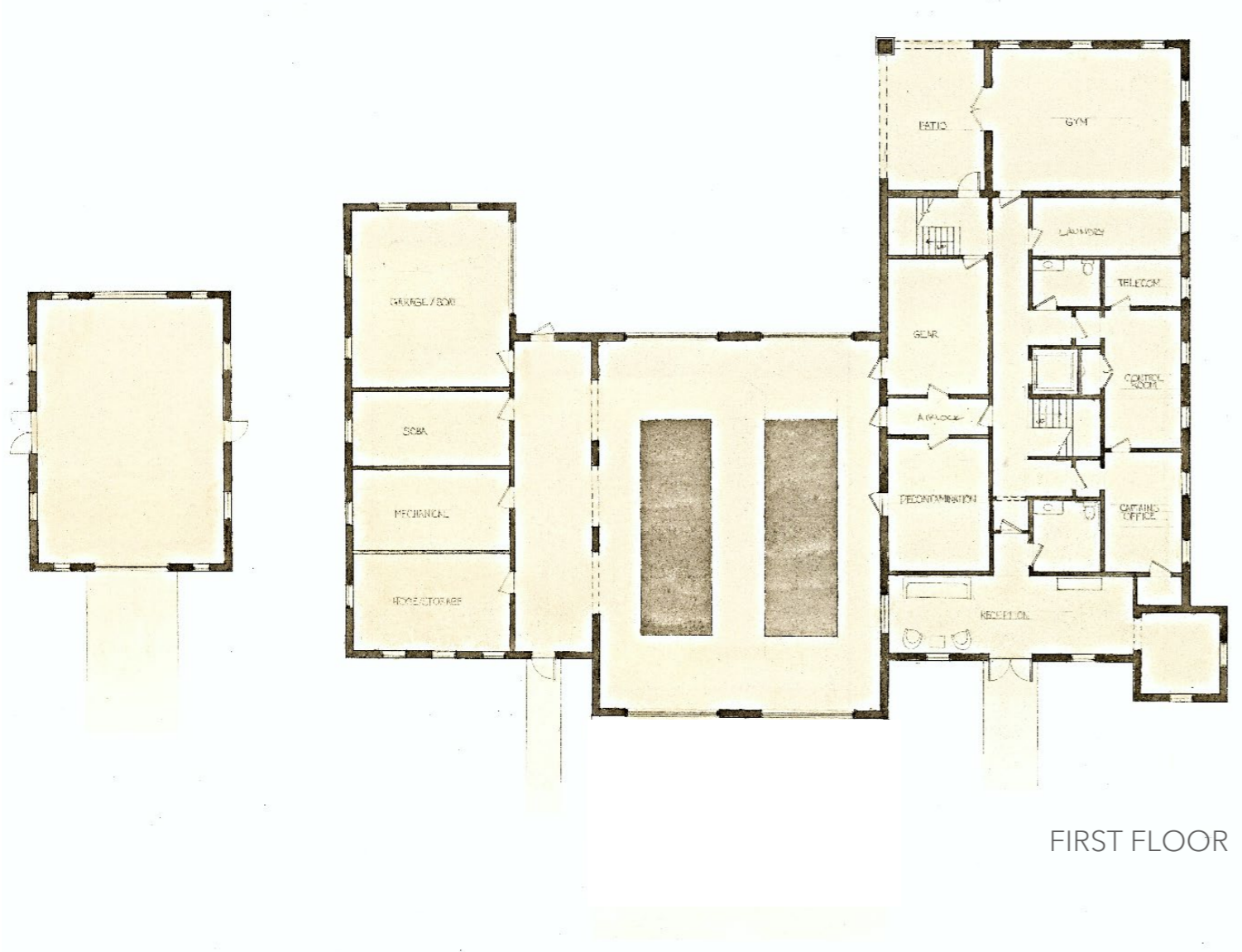
NILES COMMUNITY FIREHOUSE



MAIN STREET ELEVATION

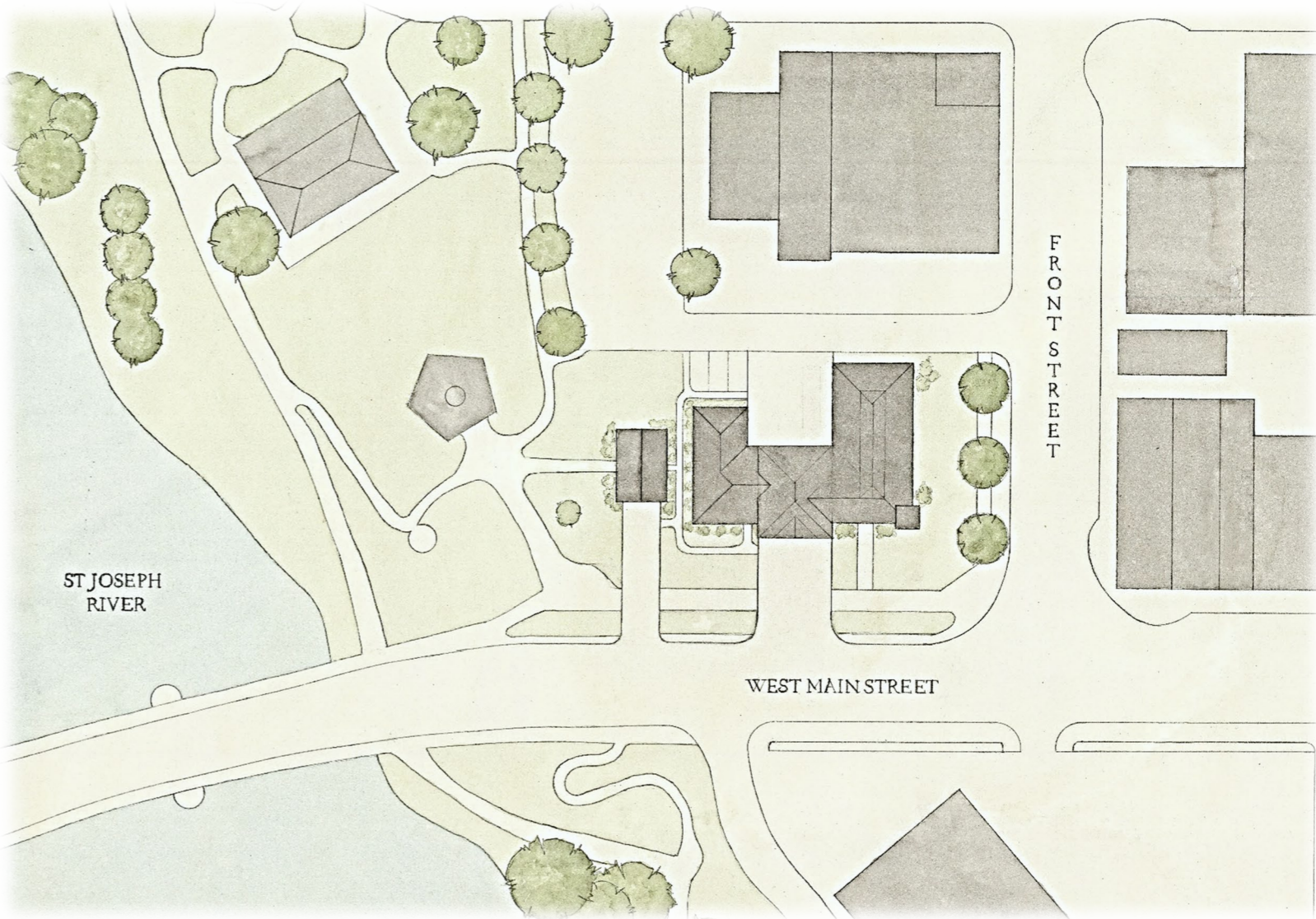
NILES COMMUNITY FIREHOUSE

FLOOR PLANS



NILES COMMUNITY FIREHOUSE

AXONOMETRIC | SITE PLAN

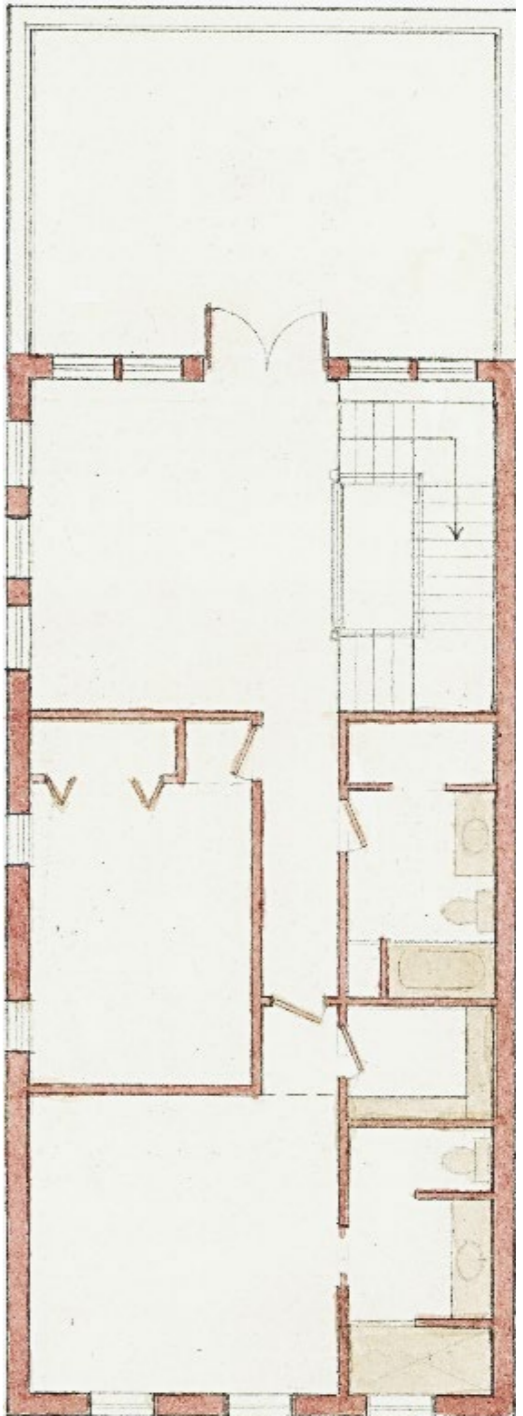
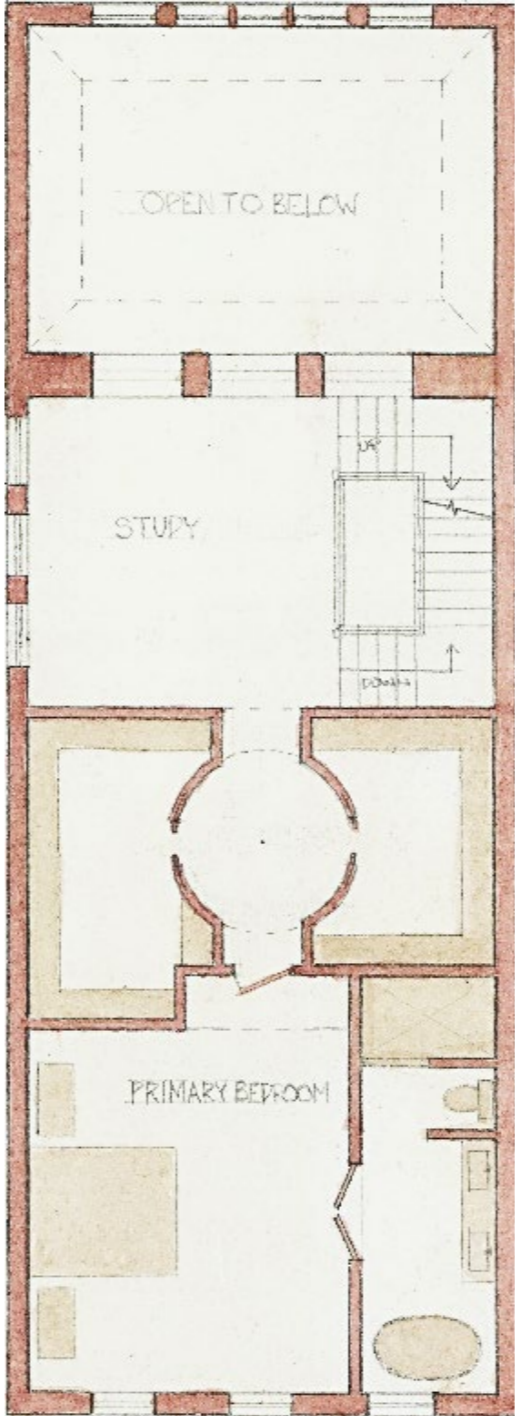
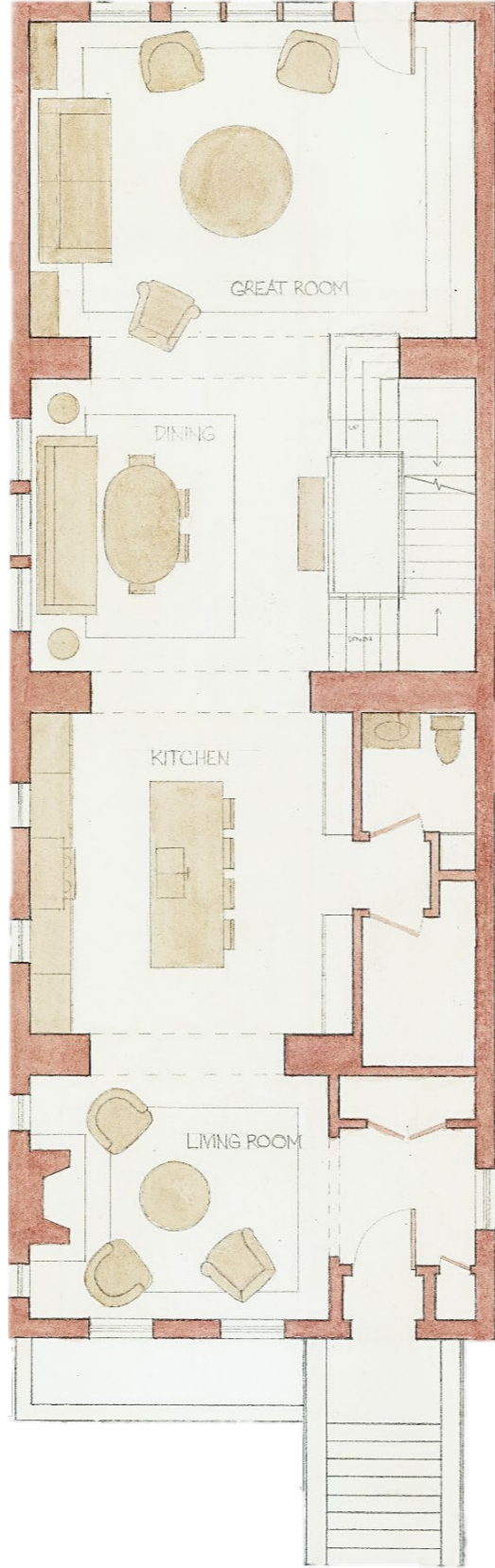
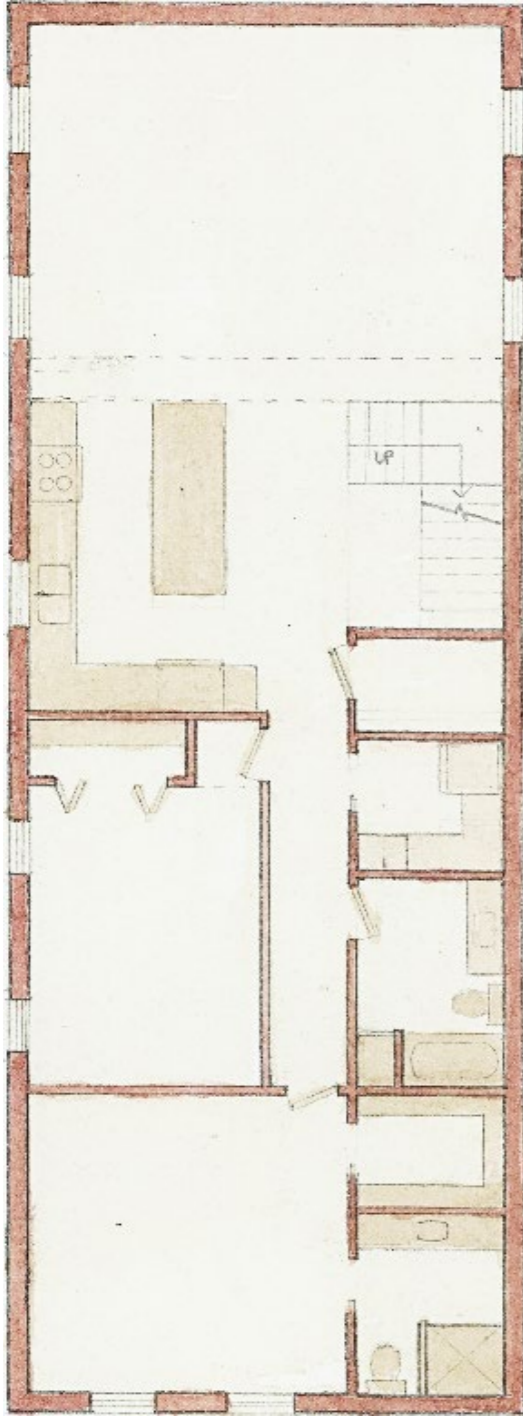


DESIGN BRIEF

Design a townhouse for the Lincoln Park neighborhood of Chicago, Illinois. This limestone French inspired townhouse consists of three stories and a full basement. Particular consideration was given to including a family room with a two-story volume, second floor study, and third floor terrace.

LINCOLN PARK TOWNHOUSE





LINCOLN PARK TOWNHOUSE

AXONOMETRIC | SECTION



LONGITUDINAL SECTION

DESIGN BRIEF

- Full-scale **restoration** of the historic 100 Center (Kamm & Schellinger Brewery) in Mishawaka, Indiana.
- Event Center & Loft Prototype

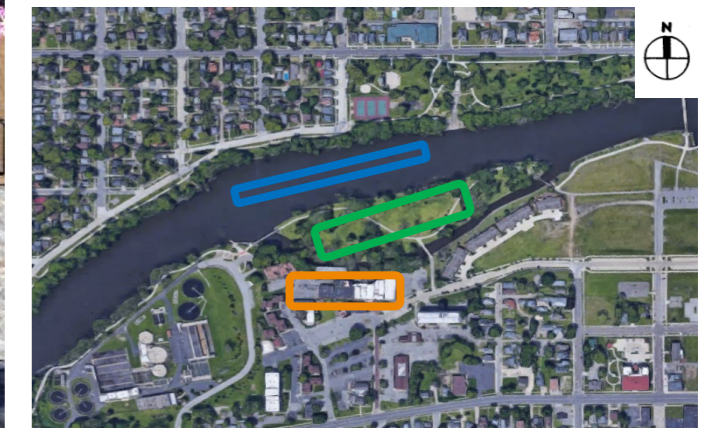
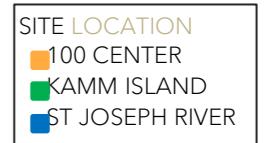
The **100 Center** complex will be fully modernized while retaining its local historical character. Restaurants & shops bring energy & life to attract visitors & residents. A modern glass atrium divides the main structure creating a dynamic interior that provides shelter while preserving a connection with the environment.

100 CENTER ADAPTIVE REUSE

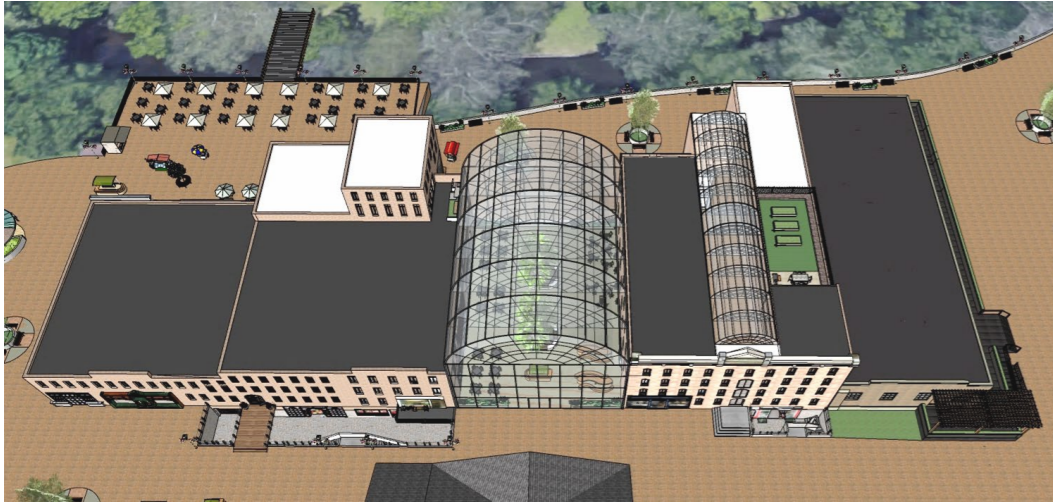
SKETCHUP | SOUTHEAST PERSPECTIVE



Situated along Kamm Island & the St Joseph river, this design takes advantage of the scenery & river walk



Atrium adds interesting feature & practical indoor/outdoor year-round space

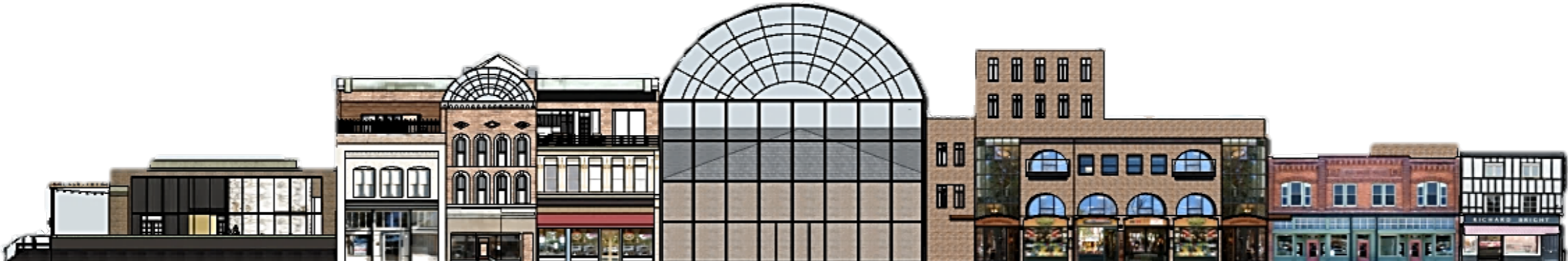


NORTH PERSPECTIVE

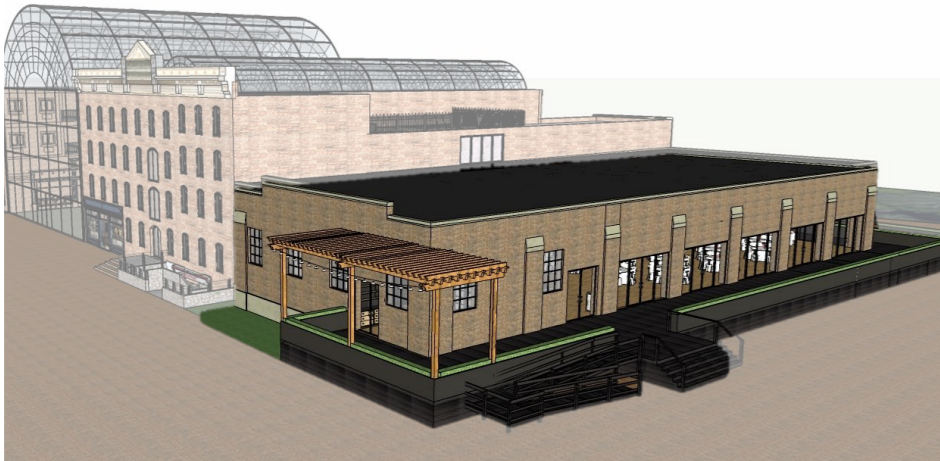
SOUTH VIEW | PROPOSED ATRIUM LOCATION



EAST ELEVATION

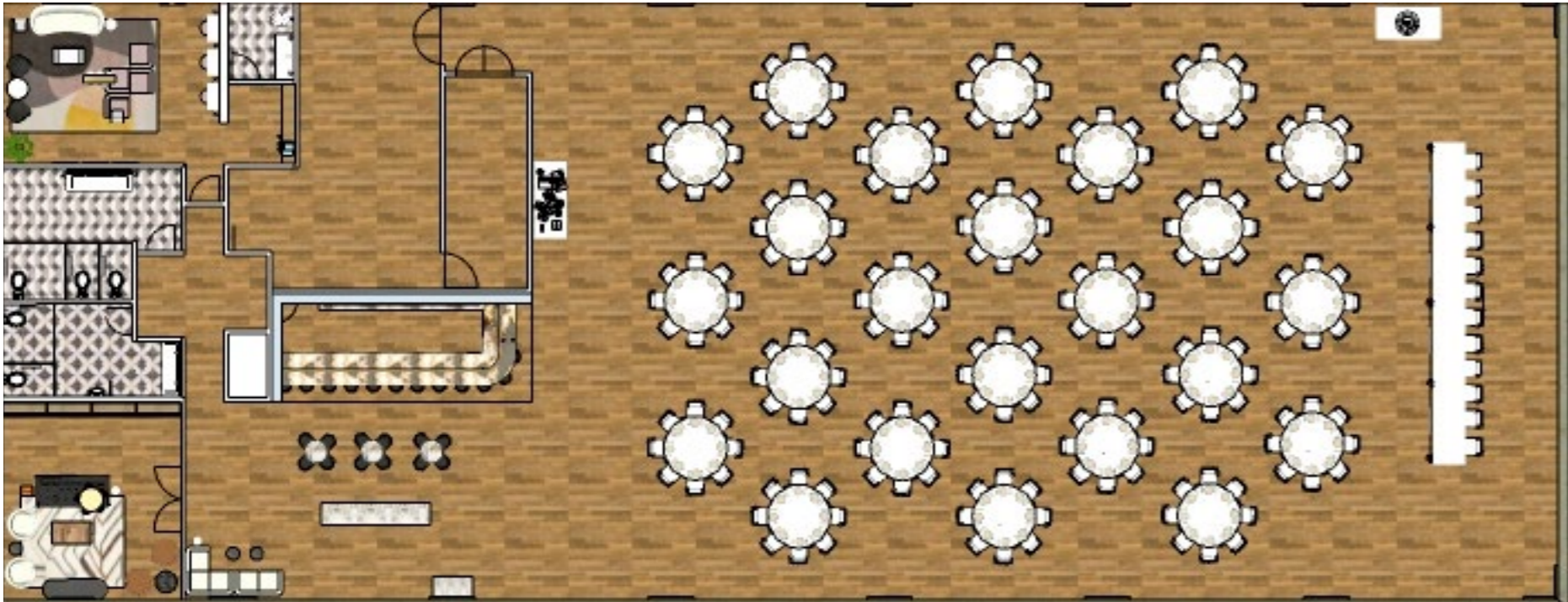


NORTH ELEVATION



EVENT HALL | BAR
NORTHWEST
PERSPECTIVE EAST
END OF COMPLEX

NOTHEAST PERSPECTIVE | FLOOR
PLAN



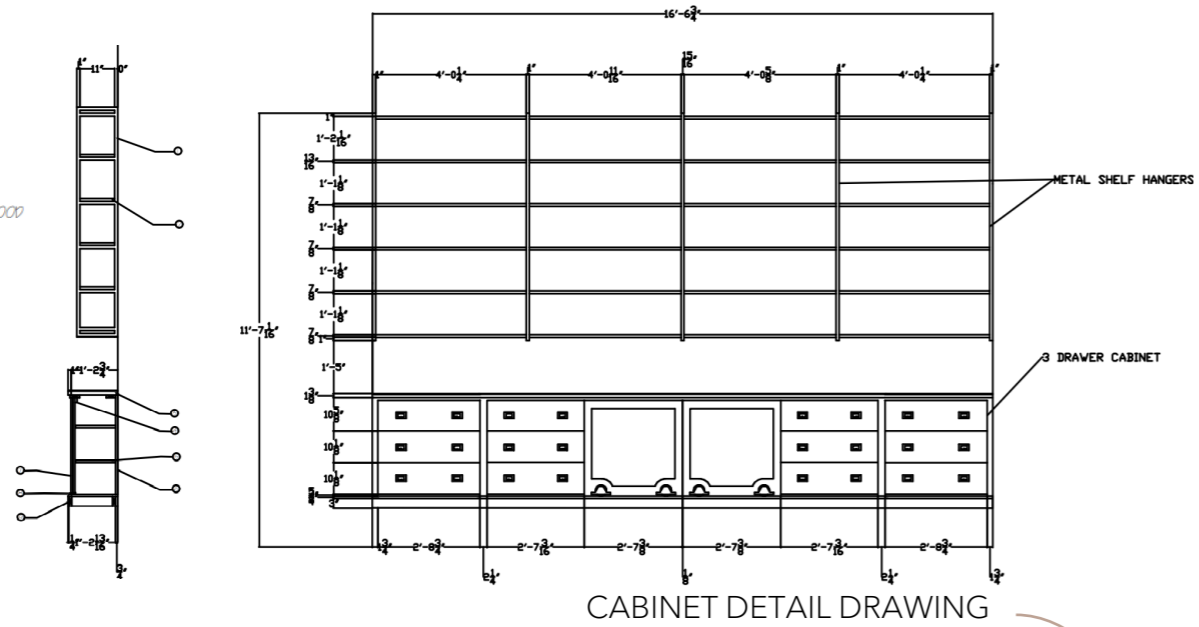
SOUTH
PERSPECTIVE



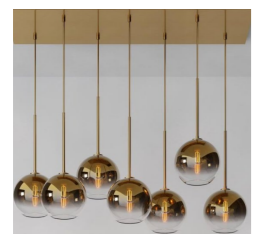
100 CENTER ADAPTIVE REUSE

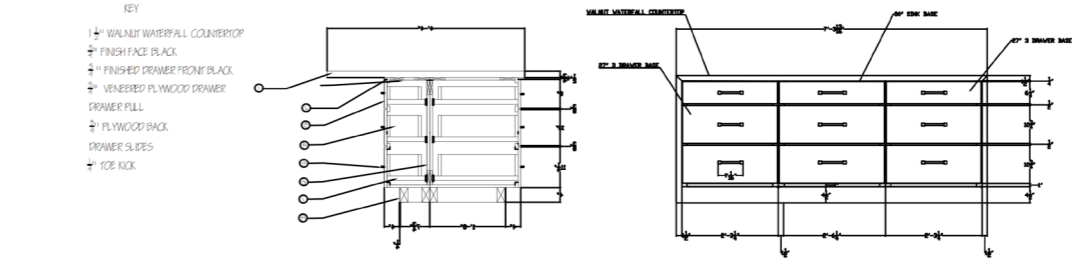
EVENT HALL GROOM'S ROOM | CIGAR LOUNGE

- KEY
- 1 METAL SHELF HANGER
 - 2 12" D OAK SHELF
 - 3 OAK WOOD
 - 4 OAK FACE
 - 5 OAK VENEER PLYWOOD
 - 6 PLYWOOD BACK
 - 7 SLIDING DOORS
 - 8 DOOR SLIDE TRACK
 - 9 TOE KICK



FURNISHING SELECTIONS



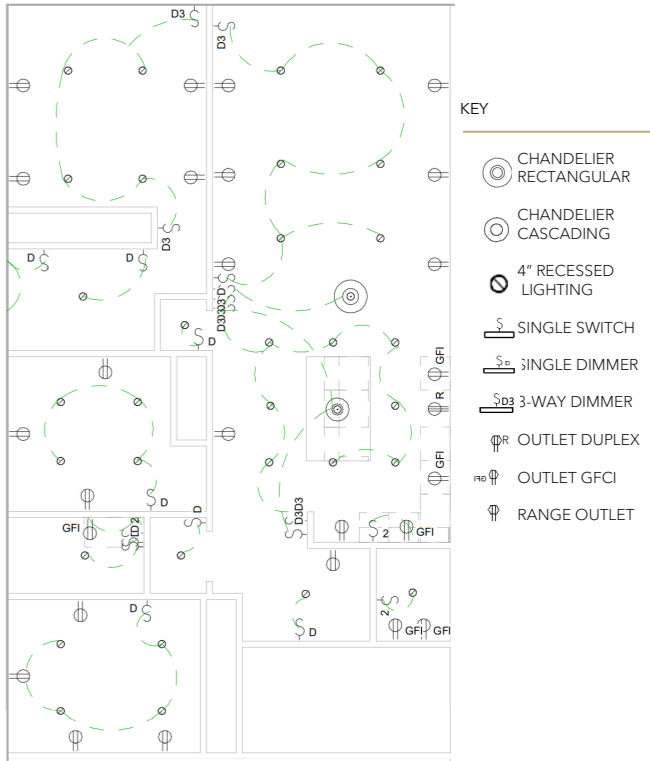
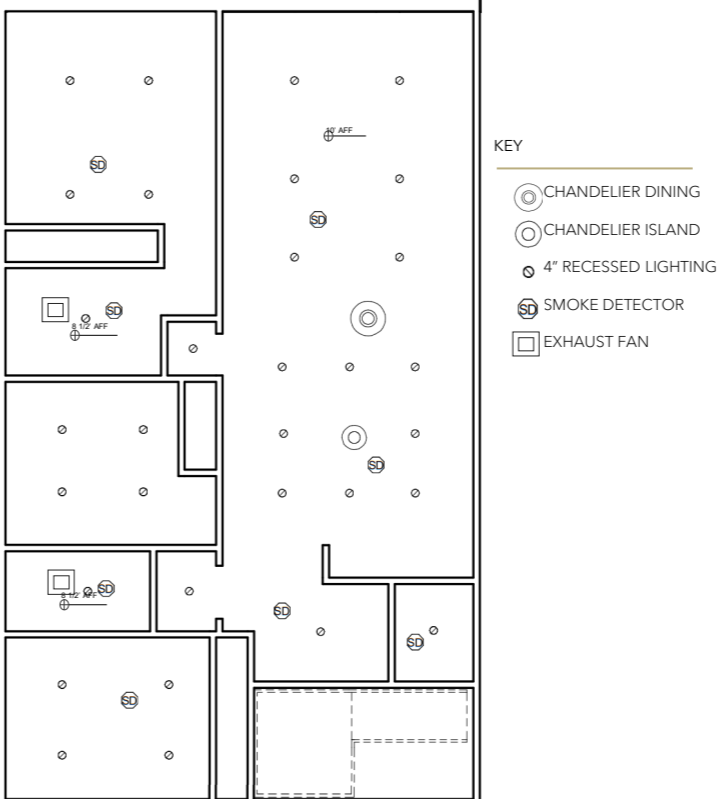
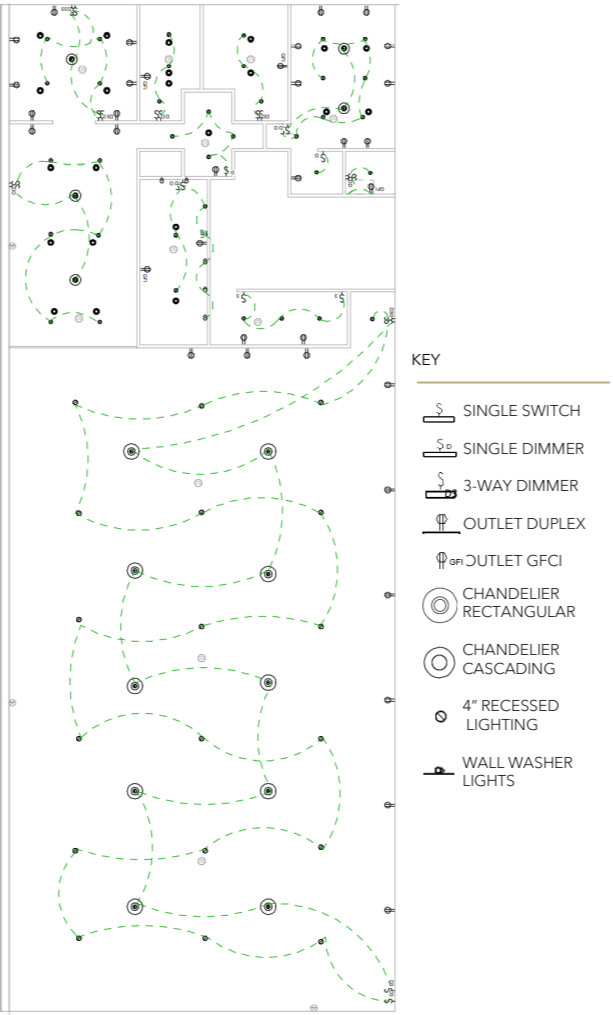
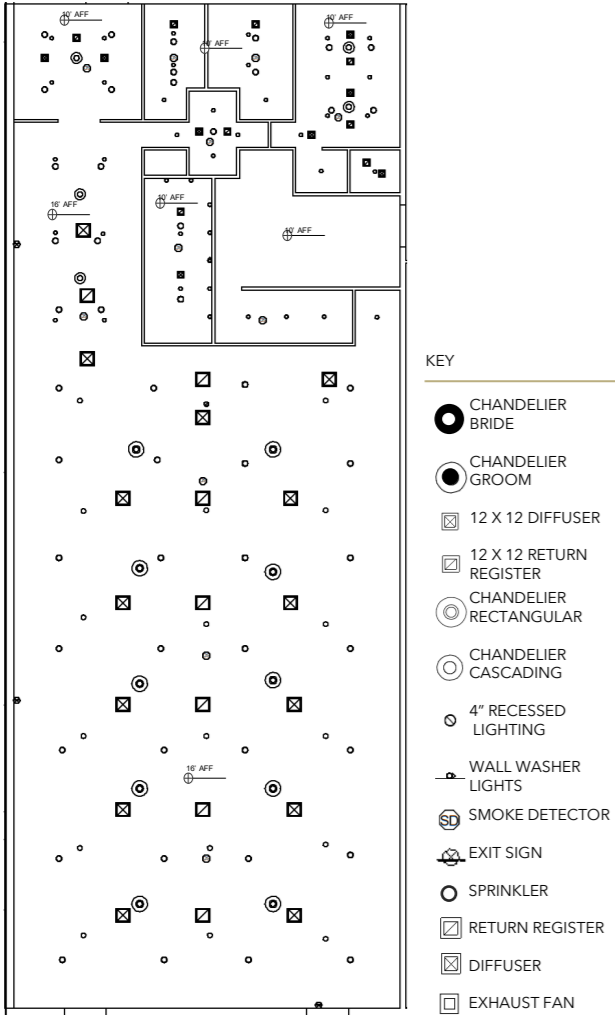


ISLAND DETAIL DRAWINGS



NORTHEAST PERSPECTIVE | SELECTIONS





EVENT HALL RCP & LCP

LOFT RCP & LCP

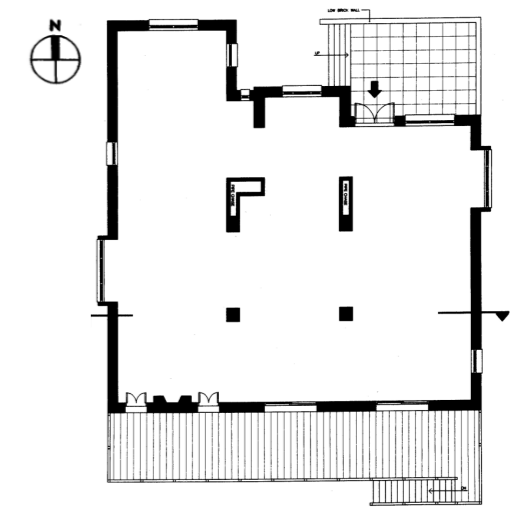
DESIGN BRIEF

A 19th century boathouse renovated for entertaining. This home contains two bedrooms, a study, and an open plan concept. The house is designed to be convenient as a home for a single occupant or a couple but still gracious for entertaining.



19TH CENTURY BOATHOUSE

SKETCHUP | AUTOCAD



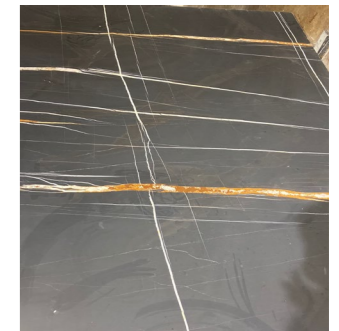
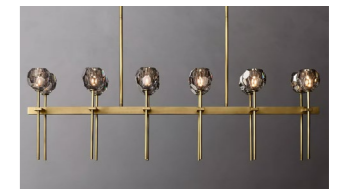
Provided building shell with openings & pipe chases.

19TH CENTURY BOATHOUSE

KITCHEN | NORTH | SOUTH PERSPECTIVES

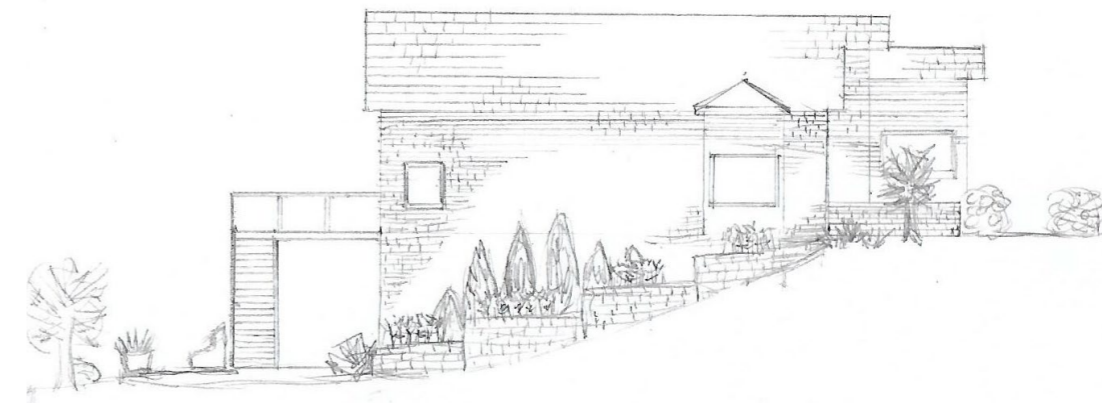


Flanked by built in shelving & cabinets, pocket French doors with antique seeded glass offer privacy and a unique feature



19TH CENTURY BOATHOUSE

DINING | LIVING ROOM PERSPECTIVES



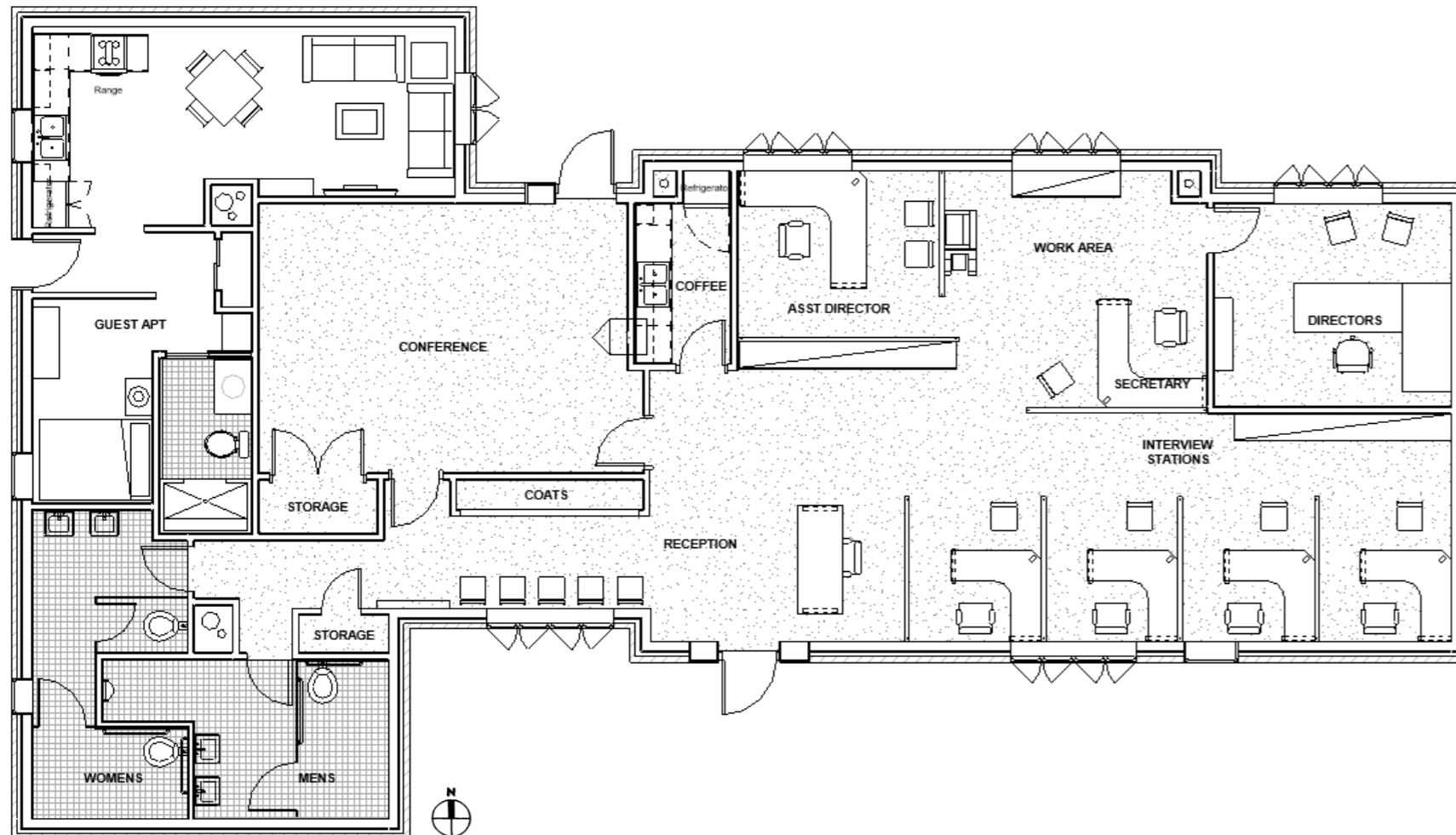
EAST | NORTH ELEVATIONS

DESIGN BRIEF

Counseling Center for local college campus. Existing brick building shell is provided including pipe chases. An extensive list of rooms, adjacencies, FF&E, sustainable selections/research, and building systems criteria must be met.

COUNSELING CENTER



REVIT



FLOOR PLAN



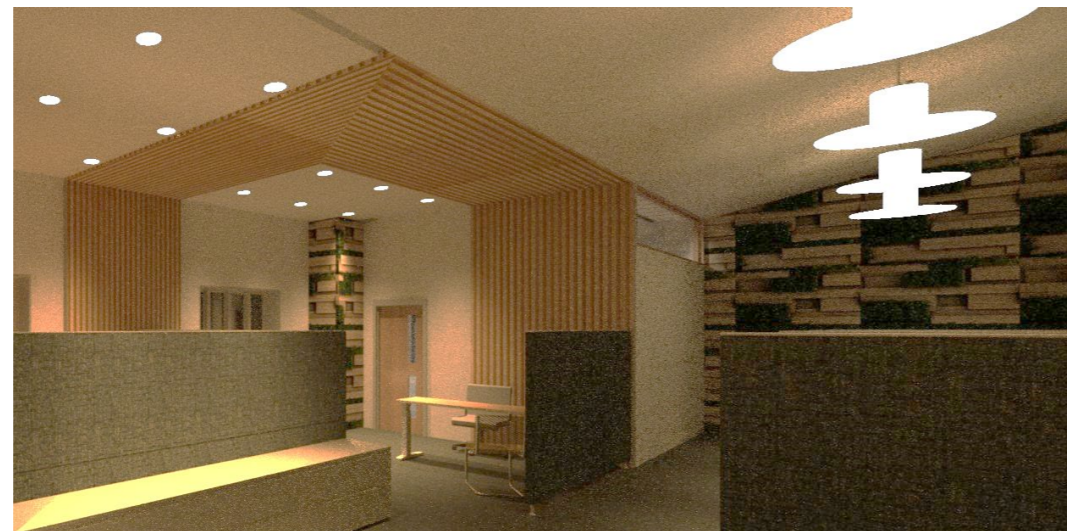
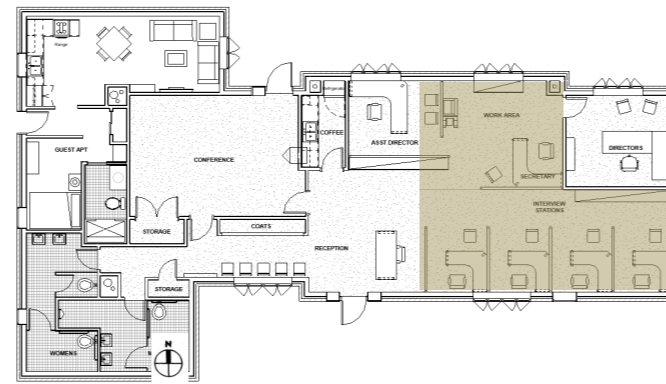
PROPOSED SITE

-  Career Counseling Center Site
-  Privacy Shrub Line/Wind Break

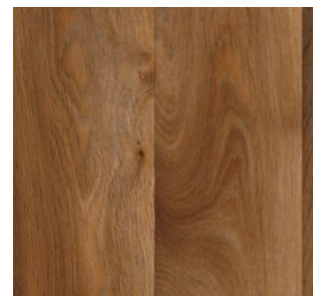


COUNSELING CENTER

NORTHEAST | EAST PERSPECTIVES



FINISHES | FURNISHINGS



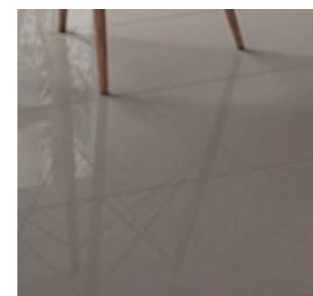
Mohawk Vinyl Plank
Finish - Amber Road



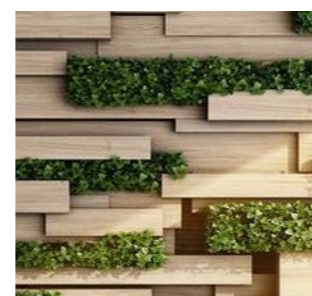
Mohawk Carpet
Finish - Pause 967



Benjamin Moore
Natura



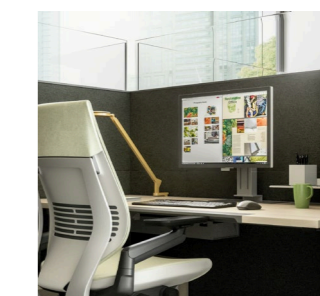
American Olean
Color Body Porcelain Beige
MN41



Arboro Door
LEED credits



STEELCASE Bodi Chair



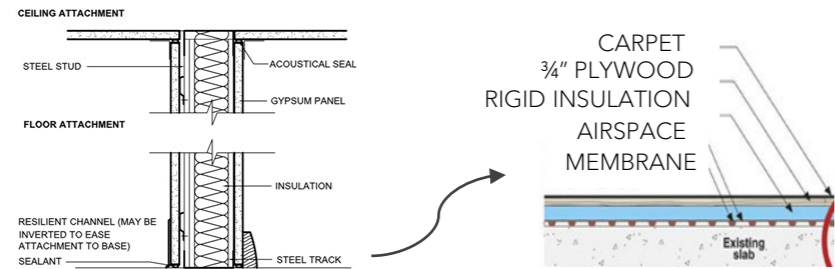
STEELCASE Modular
System Panels & Desk



COUNSELING CENTER

BUILDING DETAIL | RCP & LCP

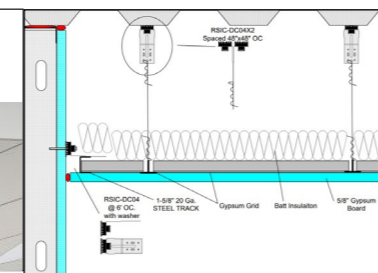
FLOOR DETAIL



CEILING DETAIL

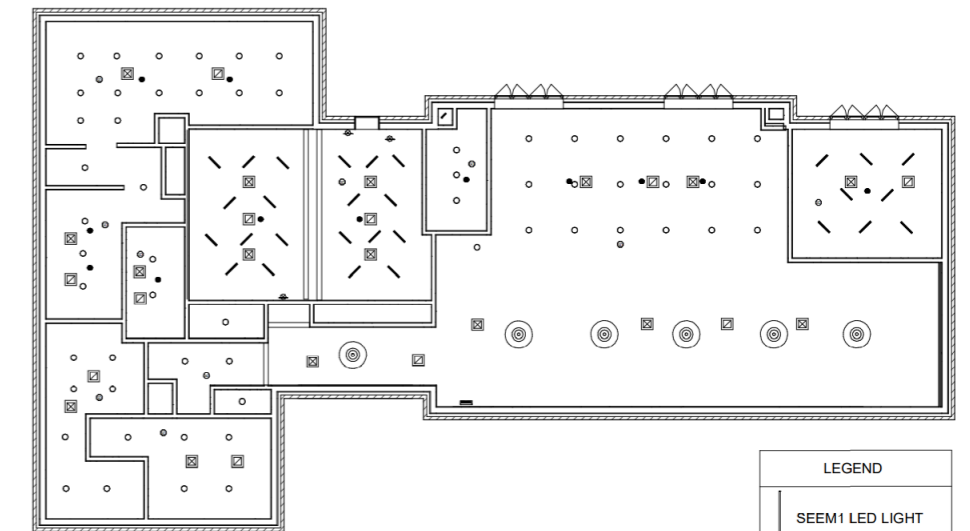
ARMSTRONG CALLA Acoustic Ceiling Tiles

- Sustainable product & LEED certified
- Sound absorption NRC of .80 | Blocking CAC 46



Acoustic sealant at top & bottom of noise reduction

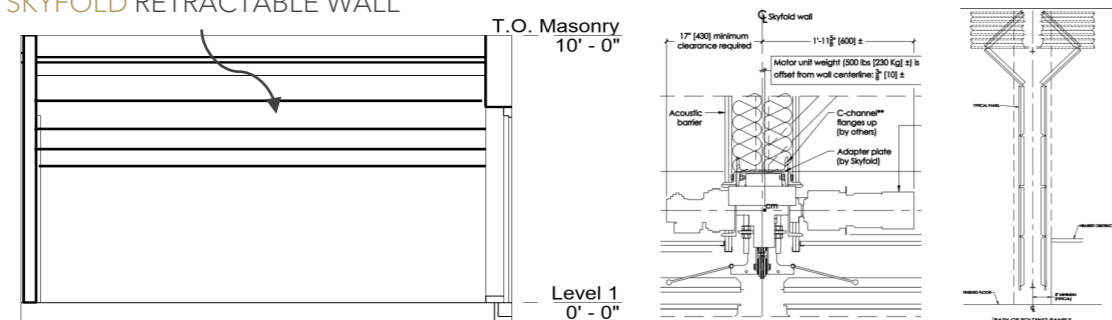
Acoustic insulation in fixed interior seminar room & director's office walls



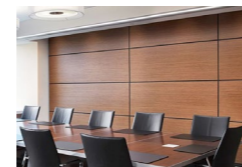
LEGEND	
□	SEEM1 LED LIGHT
⊙	PENDANT LIGHT
◊	RECESSED LIGHT
⊠	DIFFUSER
⊞	RETURN REGISTER
•	SPRINKLER
○	SMOKE DETECTOR
+	EXIT SIGN

SEMINAR ROOM PARTITION

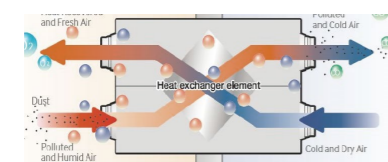
SKYFOLD RETRACTABLE WALL



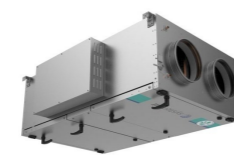
- State-of-the-art acoustics
- 60 STC
- All-electric system with keypad
- Self-retracts quietly & effortlessly
- No wall or floor tracks



BUILDING VENTILATION



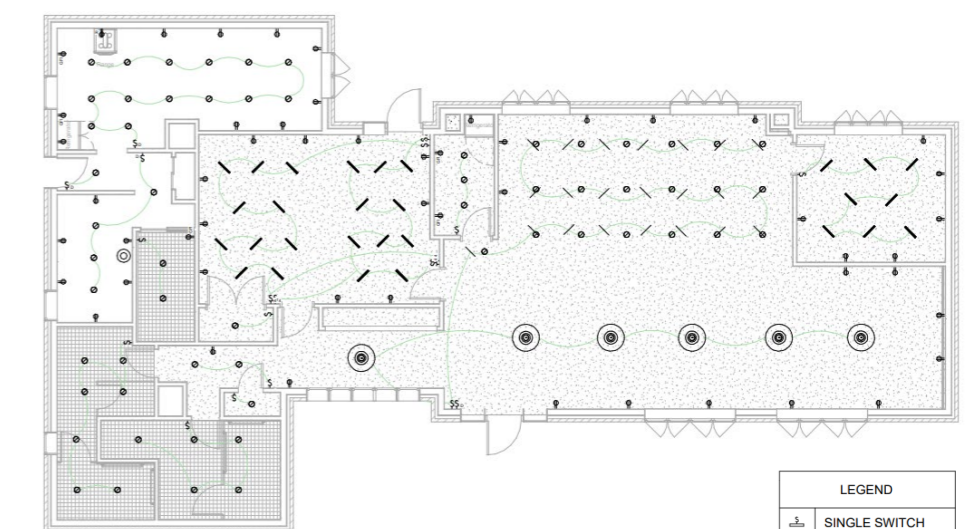
Energy Recovery Ventilators provide consistent, fresh air while capturing & reclaiming energy before it leaves the building



An ERV reduces the load on a building's HVAC system, translating to lower energy bills



Operable windows provide cooling & natural ventilation



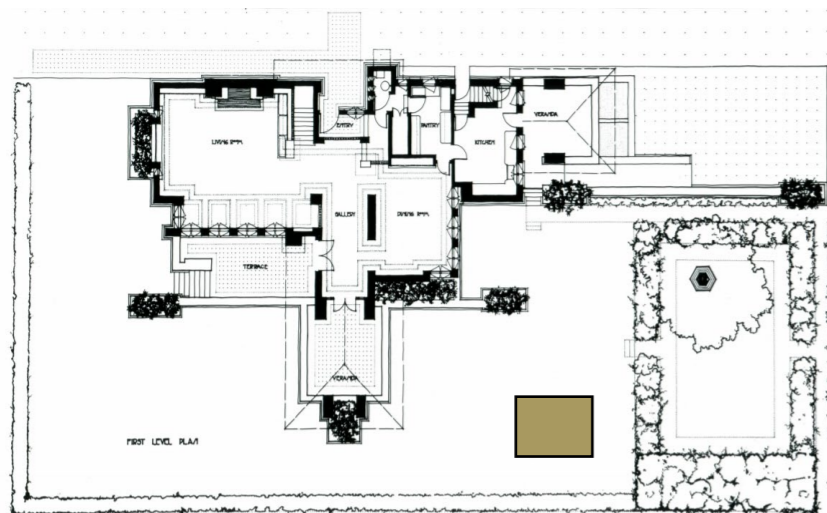
LEGEND	
⏻	SINGLE SWITCH
⏻	DIMMER SWITCH
⏻	4-WAY SWITCH
⏻	OUTLET DUPLEX
⏻	OUTLET GFCI
⏻	OUTLET RANGE

DESIGN BRIEF

FRANK LLOYD WRIGHT HISTORICAL PRESERVATION

Design an exterior space to blend with the existing structure of the Meyer May House by Frank Lloyd Wright in Michigan.

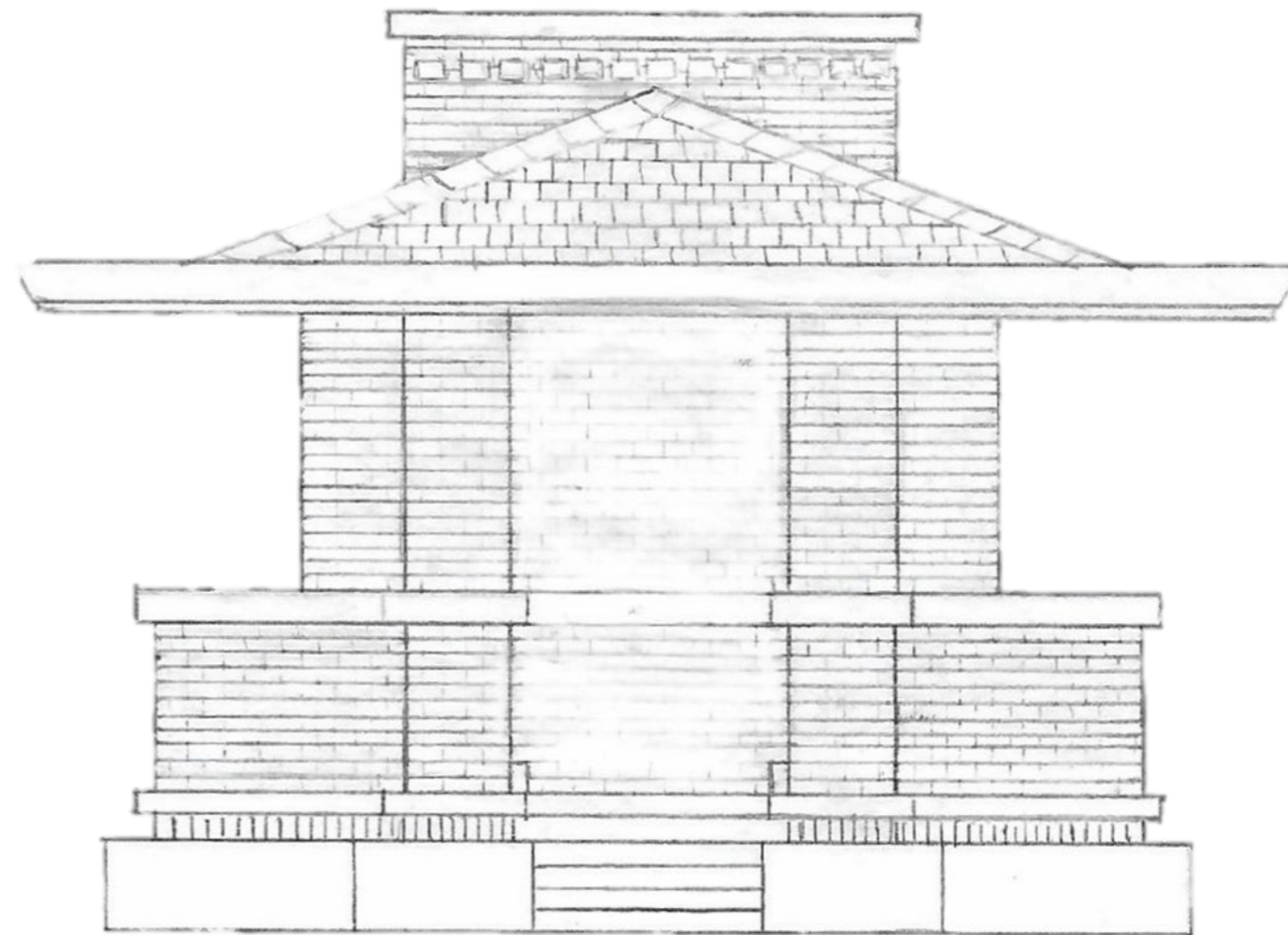
MEYER MAY PAVILLION



SITE LOCATION

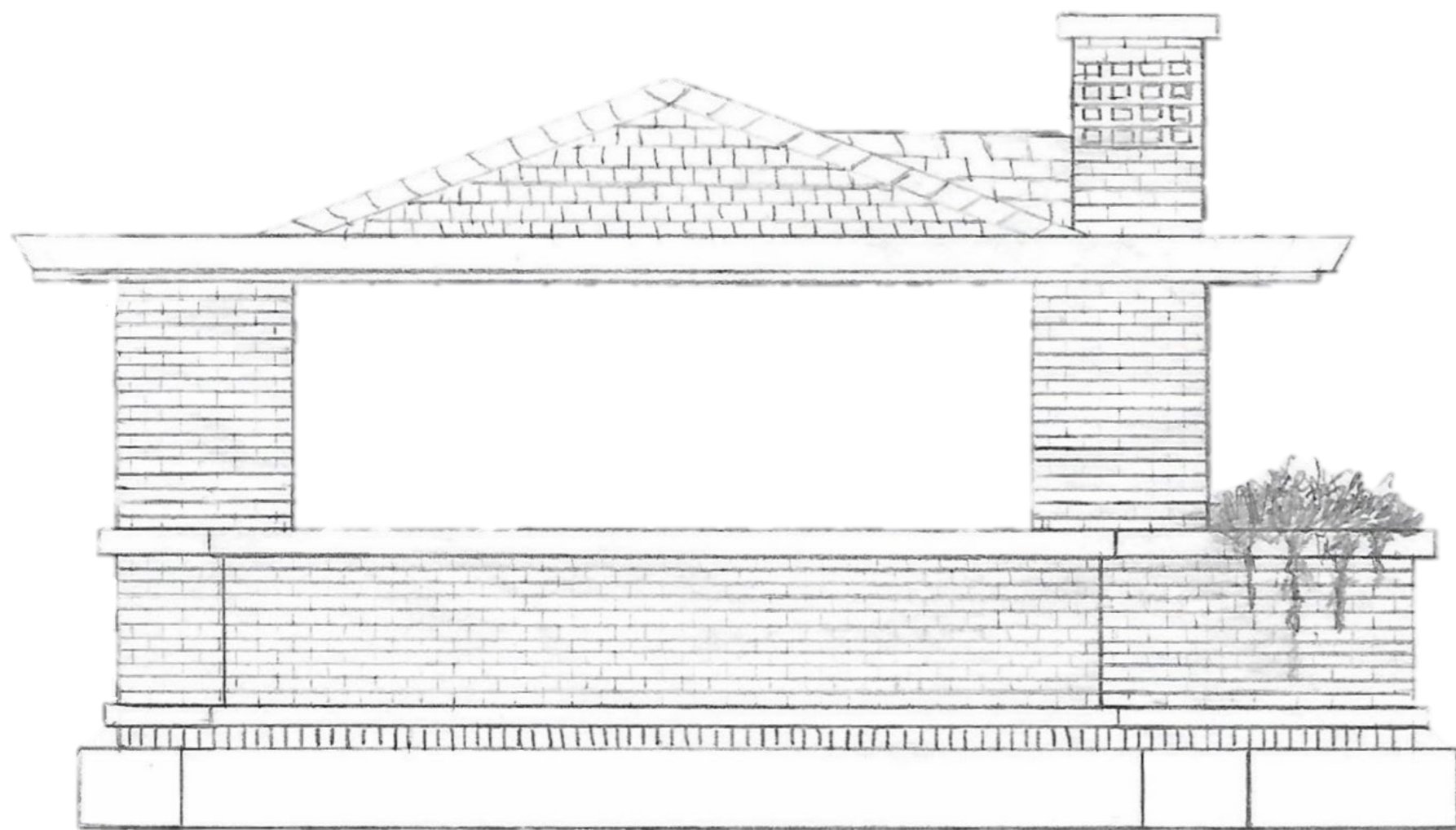


FRANK LLOYD WRIGHT
MEYER MAY HOUSE

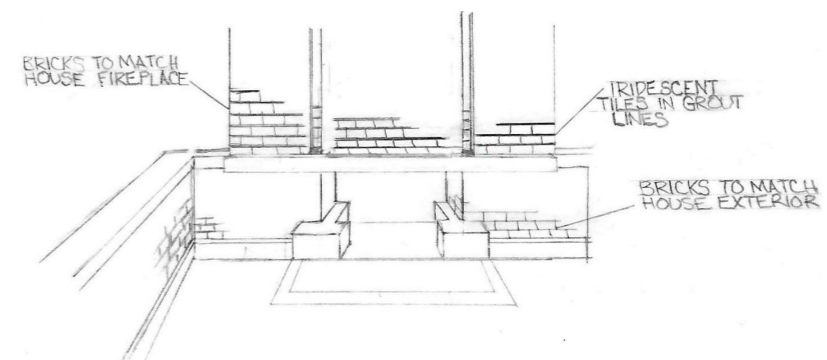
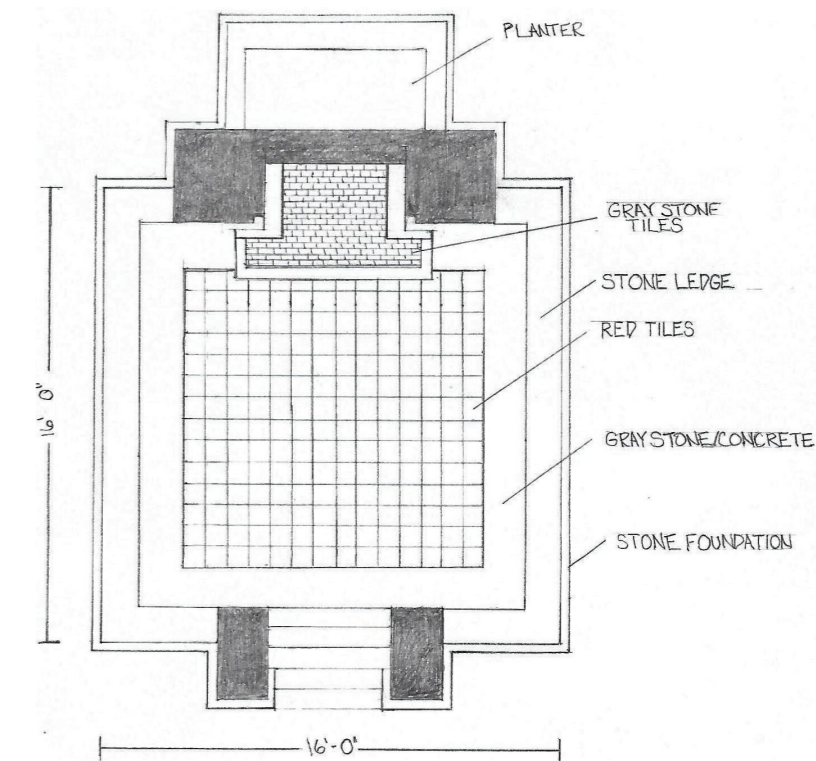


WEST ELEVATION

MEYER MAY PAVILLION



NORTH ELEVATION



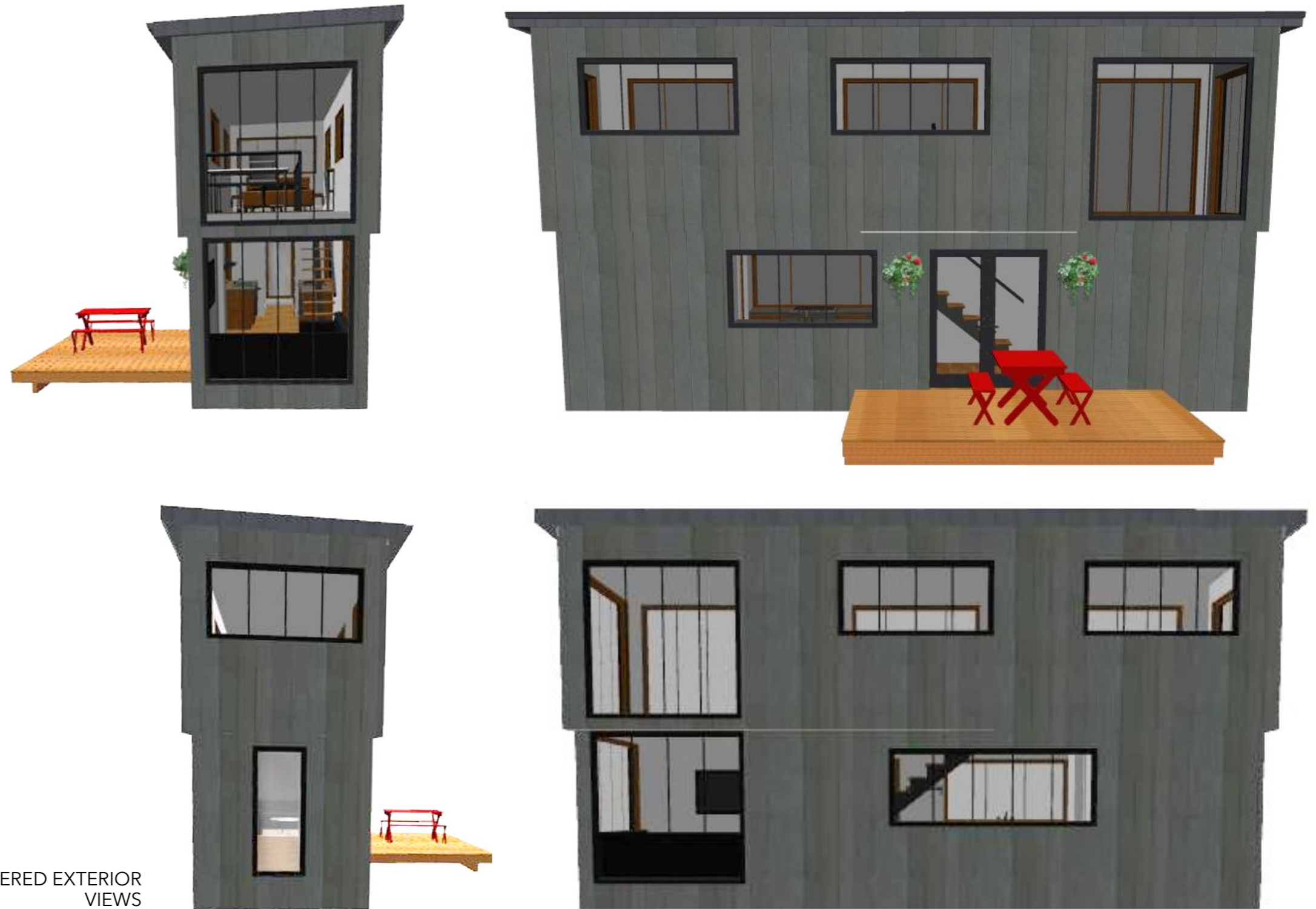
DESIGN BRIEF

A tiny house contains many clever designs to make it functional but often sacrifice convenience and size. This home is designed to function much like a conventional house with very little compromise.

Several **technologies** in this home provide function and keep the modern streamlined aesthetic. Windows contain sleek motorized hidden shades for privacy. A seven-foot tall second story is achieved by a **hydraulic lift** that raises the story three additional feet, while still allowing for compliance with transportation regulations. An attached deck raises up to lay flat for transport. This deck provides additional space both visually and practically, while enhancing the overall look of the house. Throughout this home, dimmable recessed lighting provides task and ambient light.

MODERN TINY HOUSE

CHIEF ARCHITECT



3D RENDERED EXTERIOR VIEWS

MODERN TINY HOUSE

FLOOR PLANS | TECHNOLOGY



SECOND FLOOR

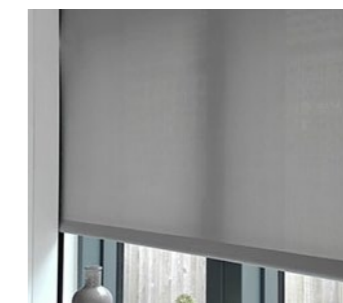


FIRST FLOOR

TECHNOLOGY



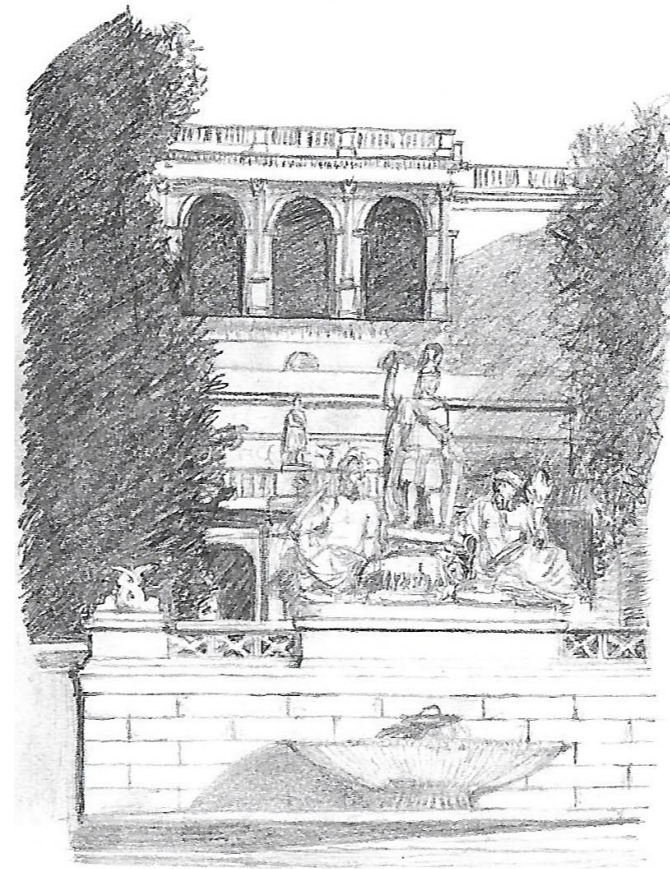
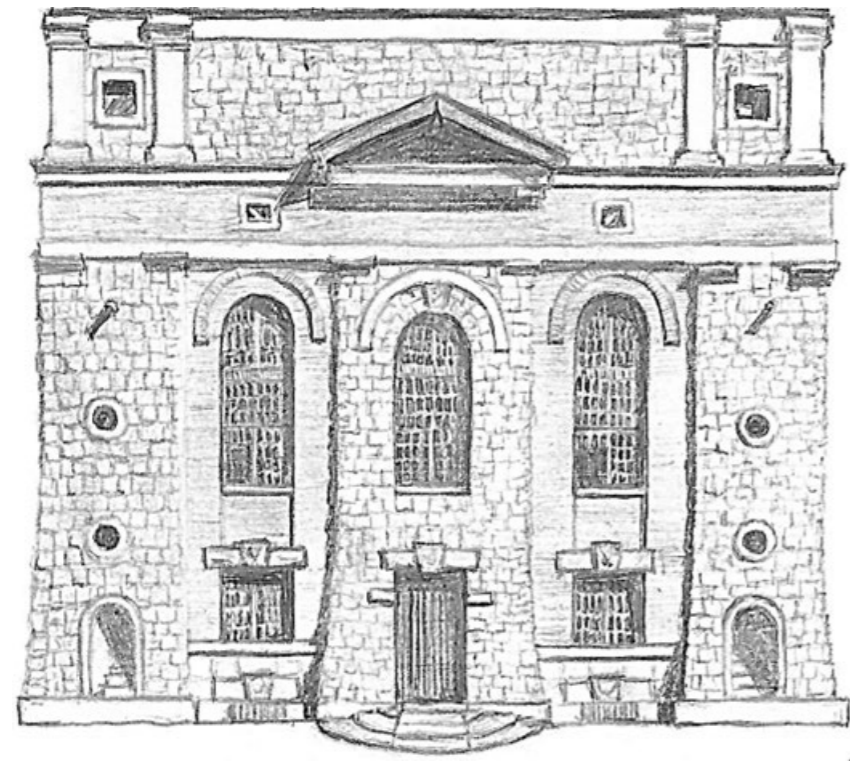
HYDRAULIC LIFT



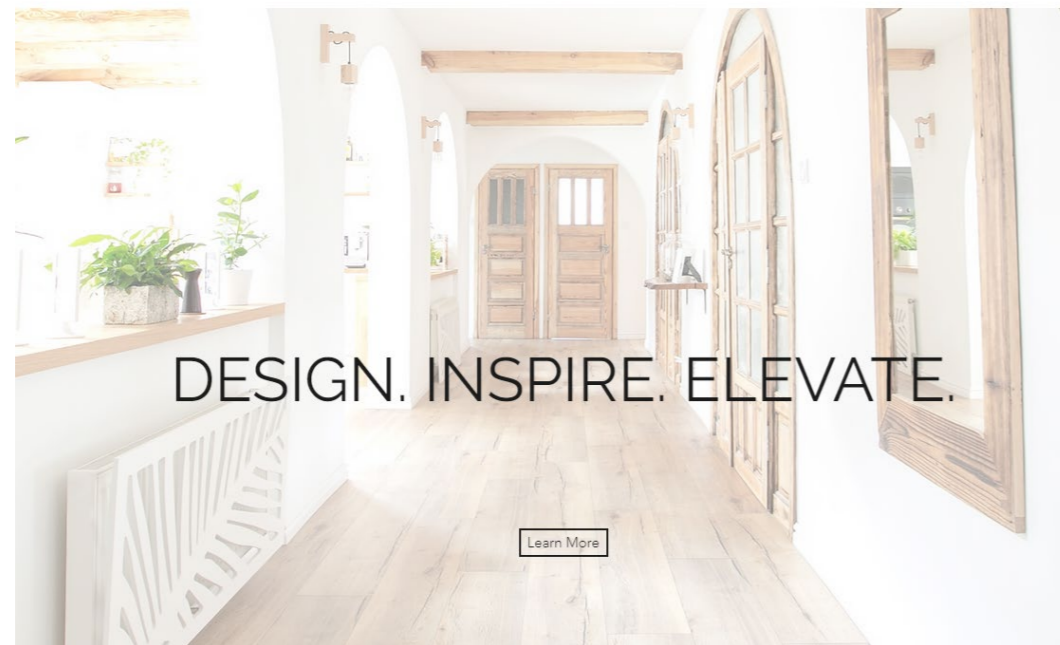
MOTORIZED SHADES



FOLD DOWN DECK

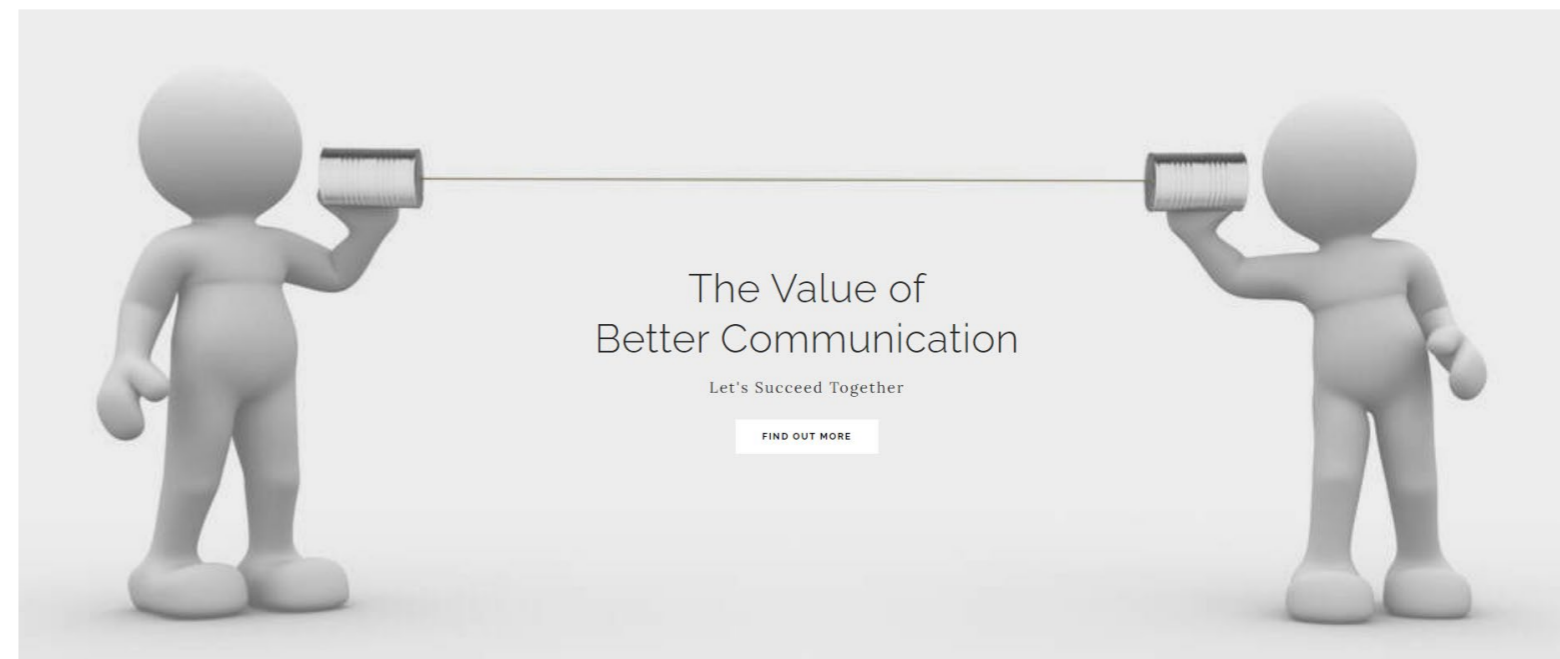


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