

NEHEMIAH PROJECT
IN
CONCERT WITH THE
UNIVERSITY OF KENTUCKY
SCHOOL OF ARCHITECTURE

JOHNSON CHAPEL A.M.E. ZION CHURCH ST. JOHN'S CHAPEL CAMPBELL CHAPEL
WESLEY UNITED METHODIST CHURCH LAMPKINS CHAPEL CME SHERMAN CHAPEL

Design Proposal for Johnson Chapel

Bethany Michels + Miles Smith

Fall of 2022



Project Brief + Program Necessities

Johnson Chapel A.M.E. Zion Church

- Location: 301 E High St., Springfield, KY
- Built in 1872
- Added to National Register in 1989

This project aims to preserve the historic character and integrity of the Johnson Chapel while creating a design to address its programmatic needs. The design focuses on the implementation of needs in which the church's pastor, congregational leaders, and community members agreed upon, and provides additional spaces to improve accessibility and enhance the lively and inviting environment the church offers.

The project consists of three (3) design development phases, beginning with the most crucial design changes to improve the state of the church, and the second and third phases progress towards more elaborate programmatic fulfillments, allowing the church to continue to upgrade over time as more financial aid is provided.

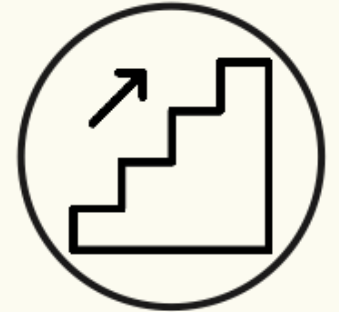
Primary Programmatic Fulfillments



Upgraded Kitchen Space



Large Meeting Space



Upgraded Vertical Circulation



Community Gathering Space



Computer Accessibility



Rainwater Accumulation

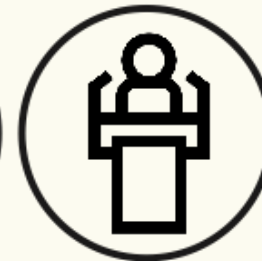
Extras



Active Space



Additional Parking



Outdoor Church Services



Green Space + Garden

Photographs of Johnson Chapel



Bird's Eye - Front Facade



Interior- Worship Hall

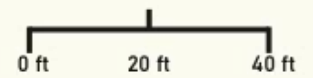


Detail - Rear Southeast Corner

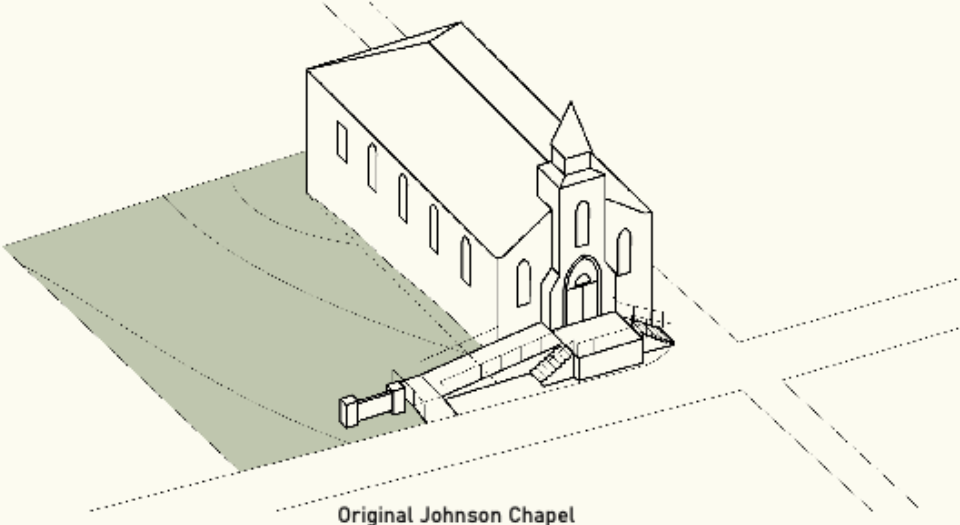


Interior - Basement Kitchen

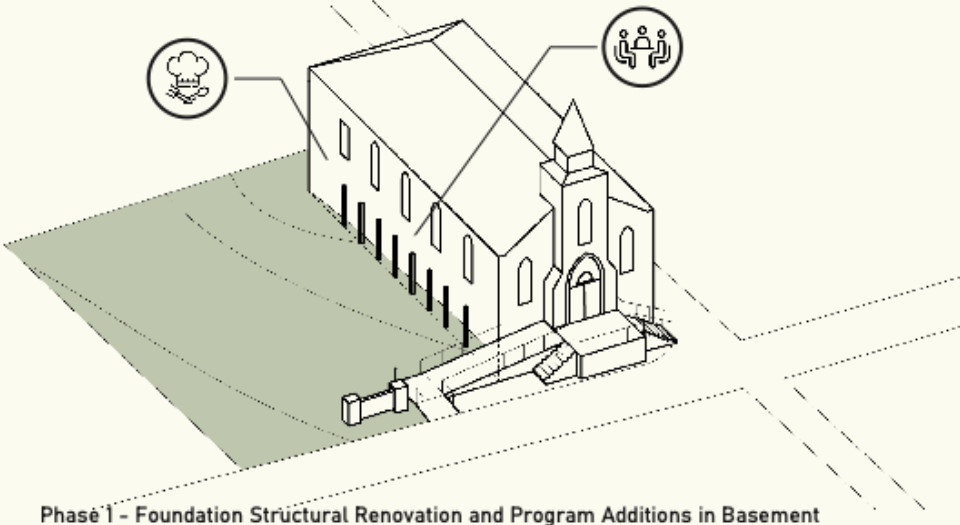
Current Small Scale Site Map



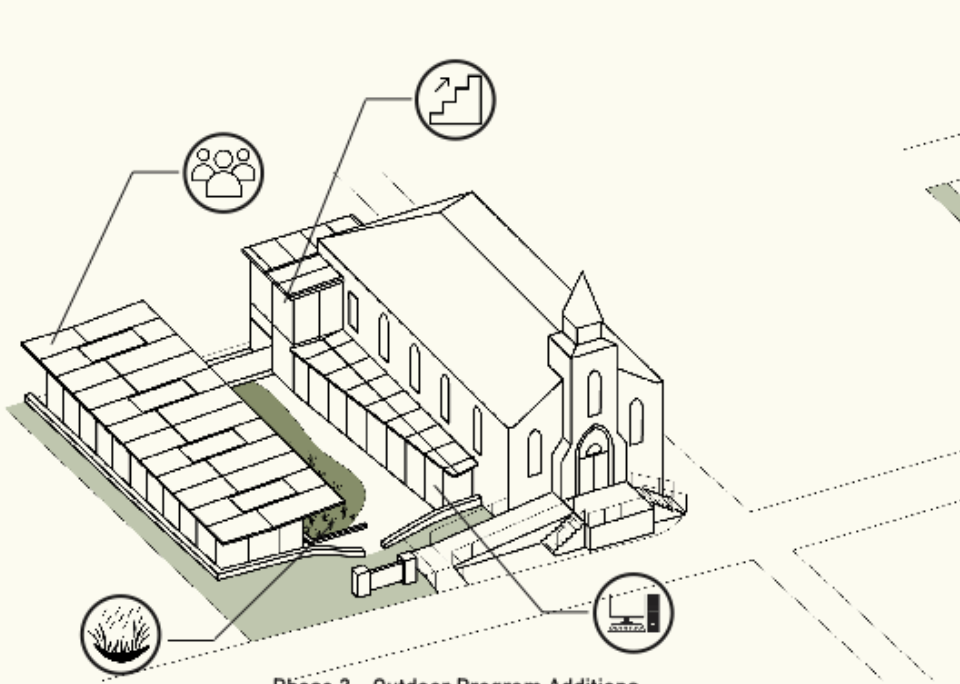
Concept Diagram - Phase Development



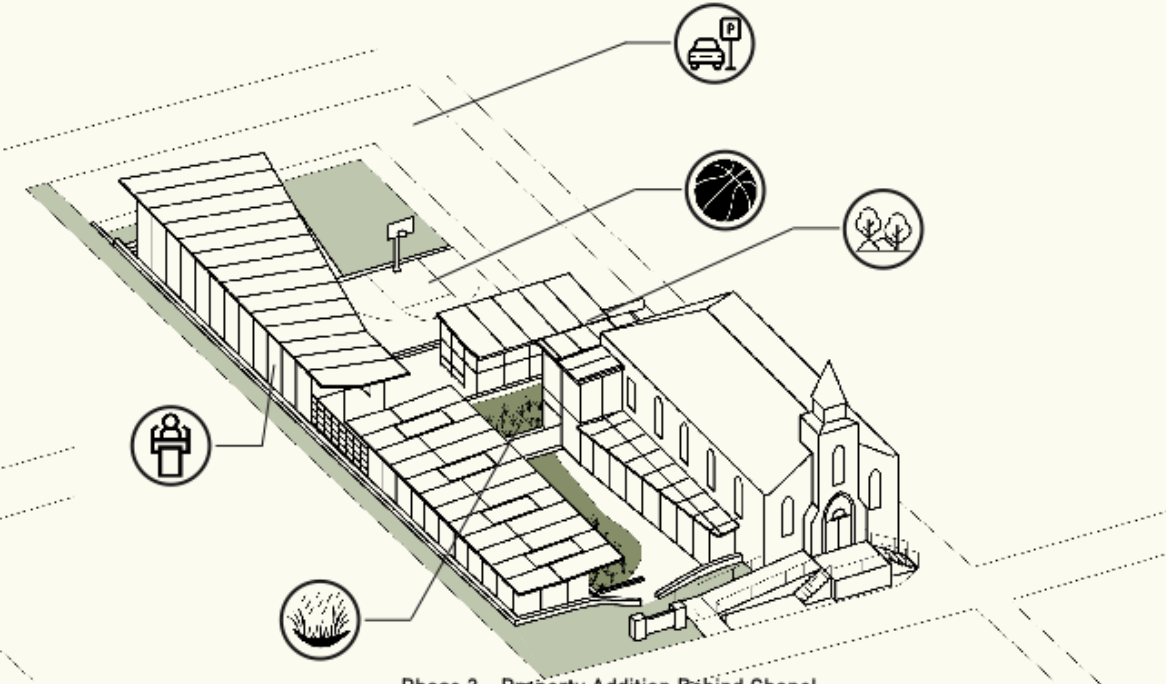
Original Johnson Chapel



Phase 1 - Foundation Structural Renovation and Program Additions in Basement

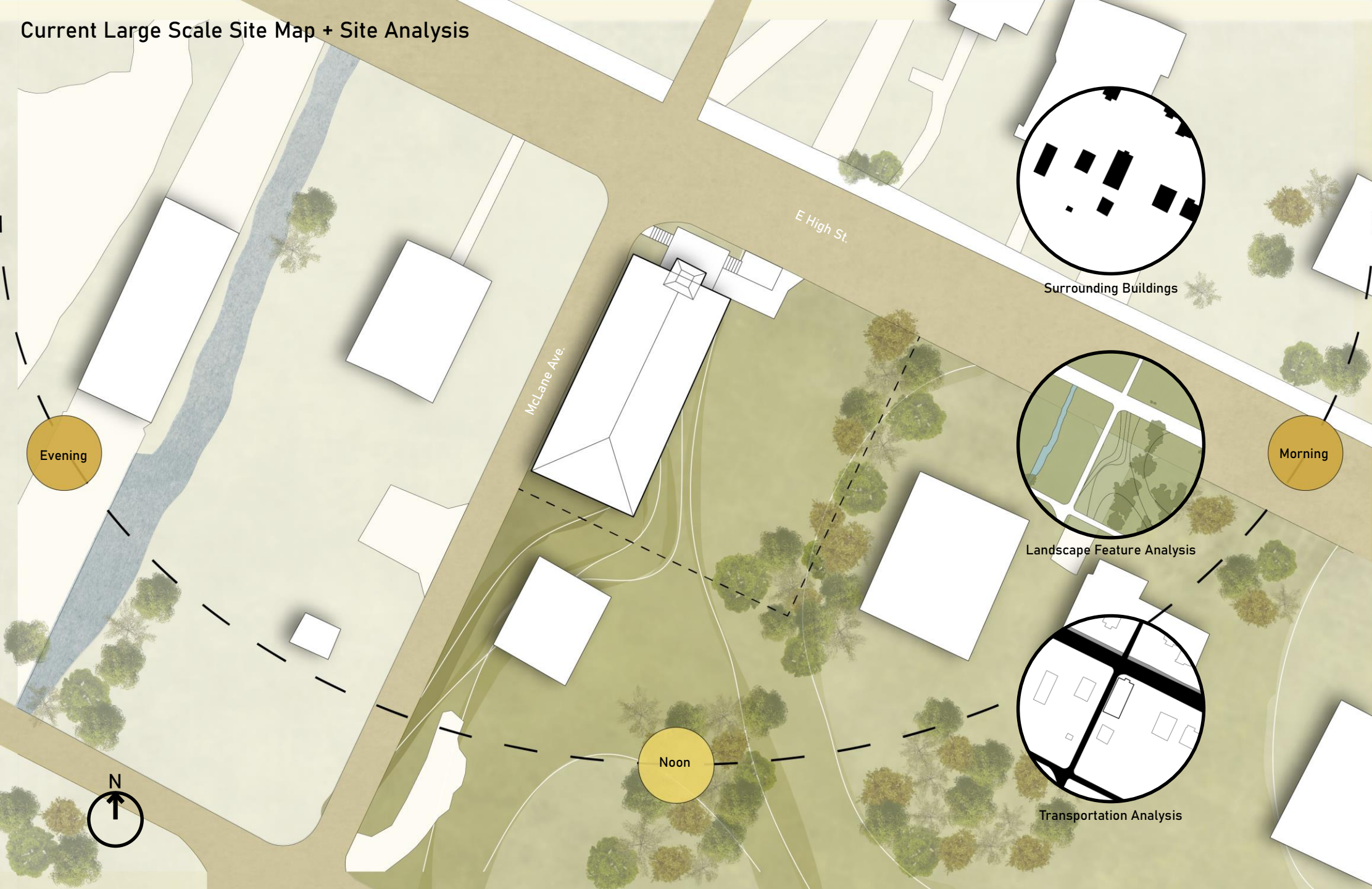


Phase 2 - Outdoor Program Additions



Phase 3 - Property Addition Behind Chapel

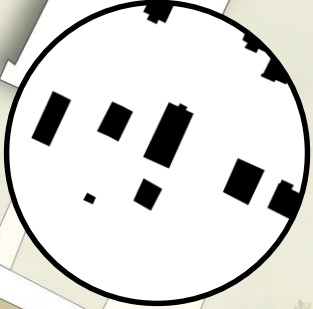
Current Large Scale Site Map + Site Analysis



Evening

Noon

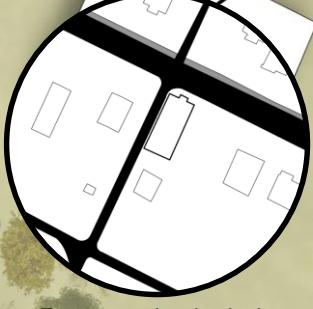
Morning



Surrounding Buildings



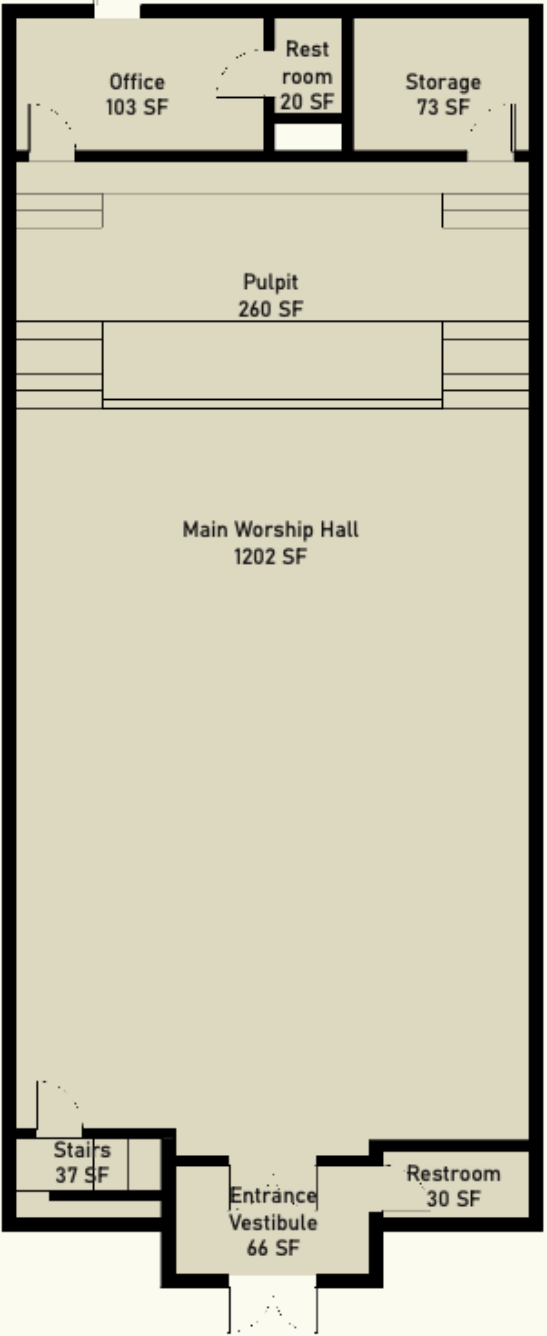
Landscape Feature Analysis



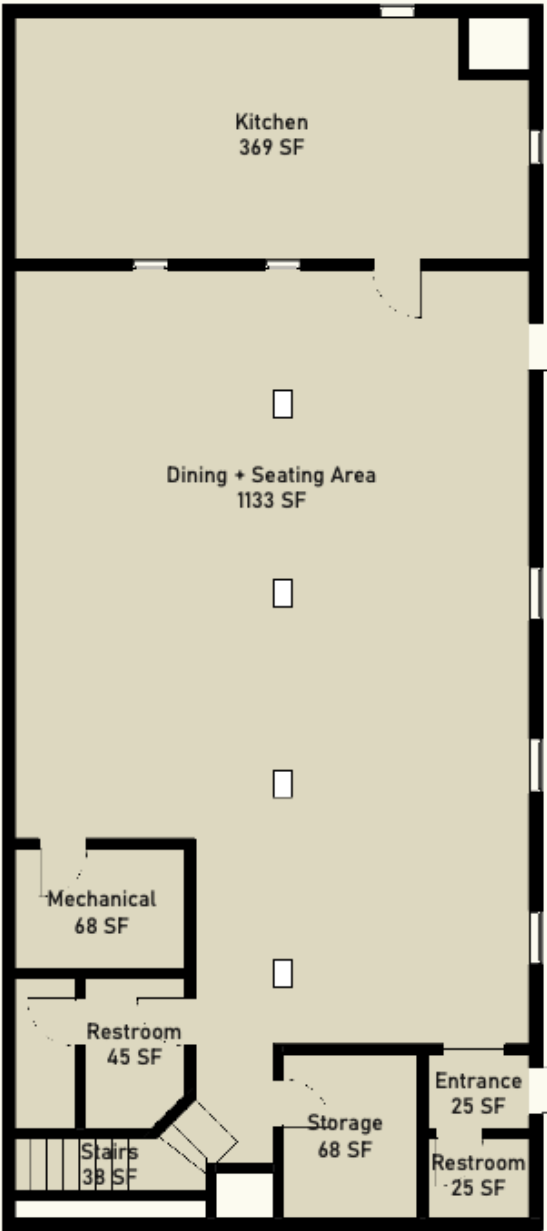
Transportation Analysis



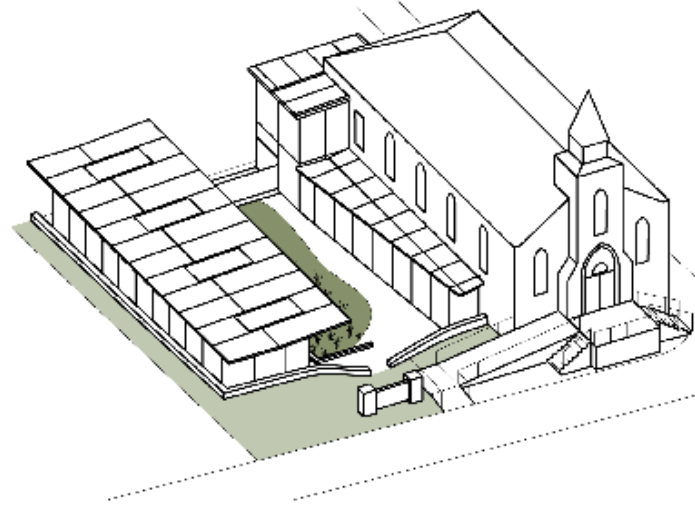
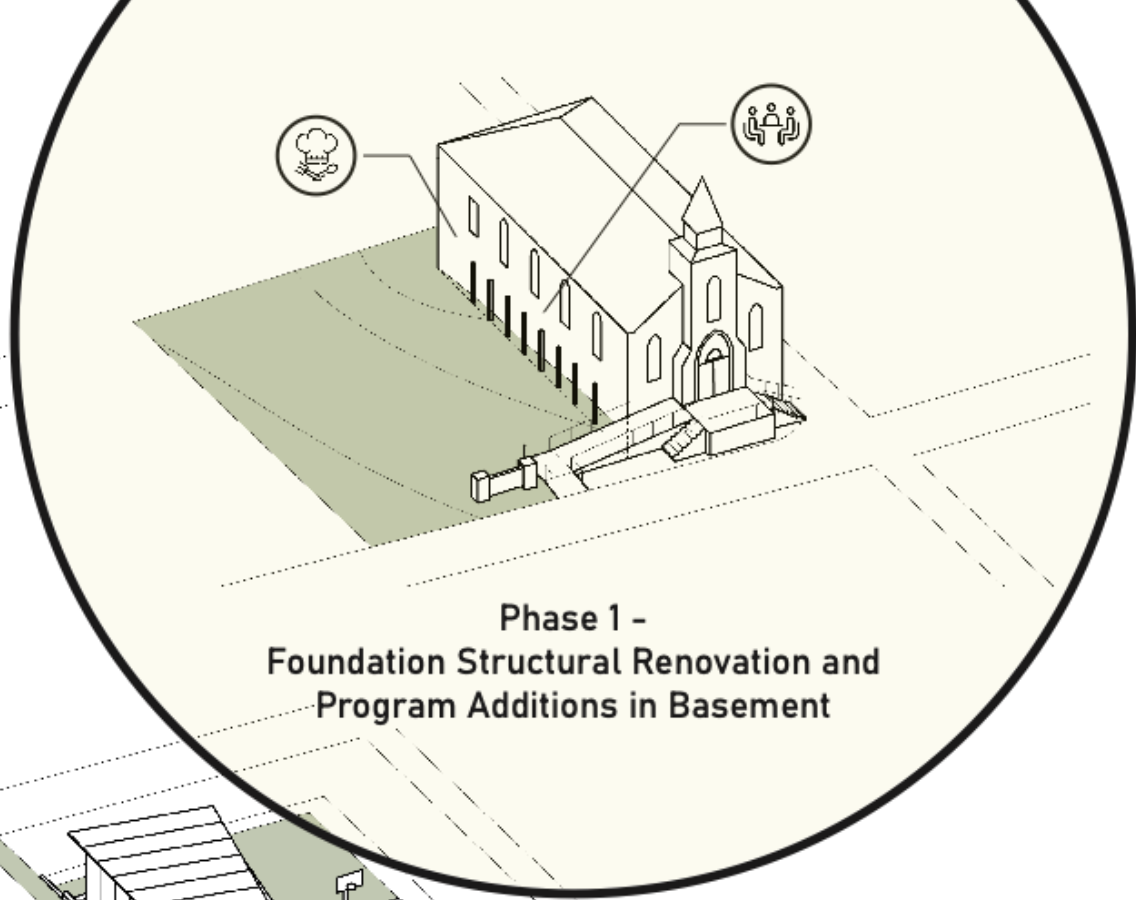
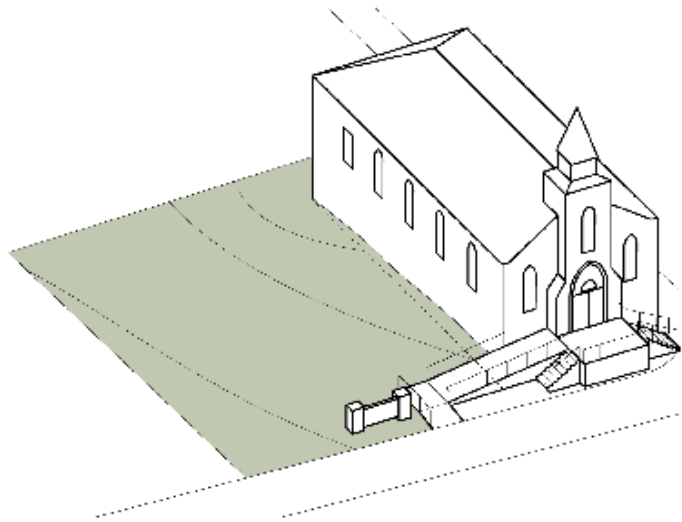
Current Plans



Main Floor



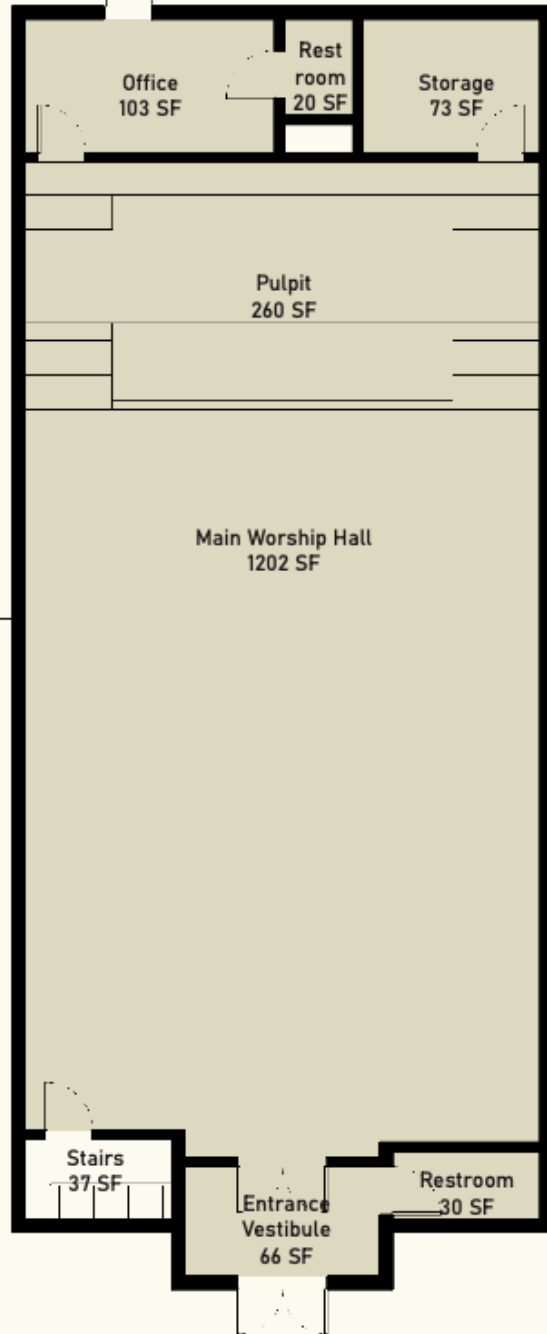
Basement



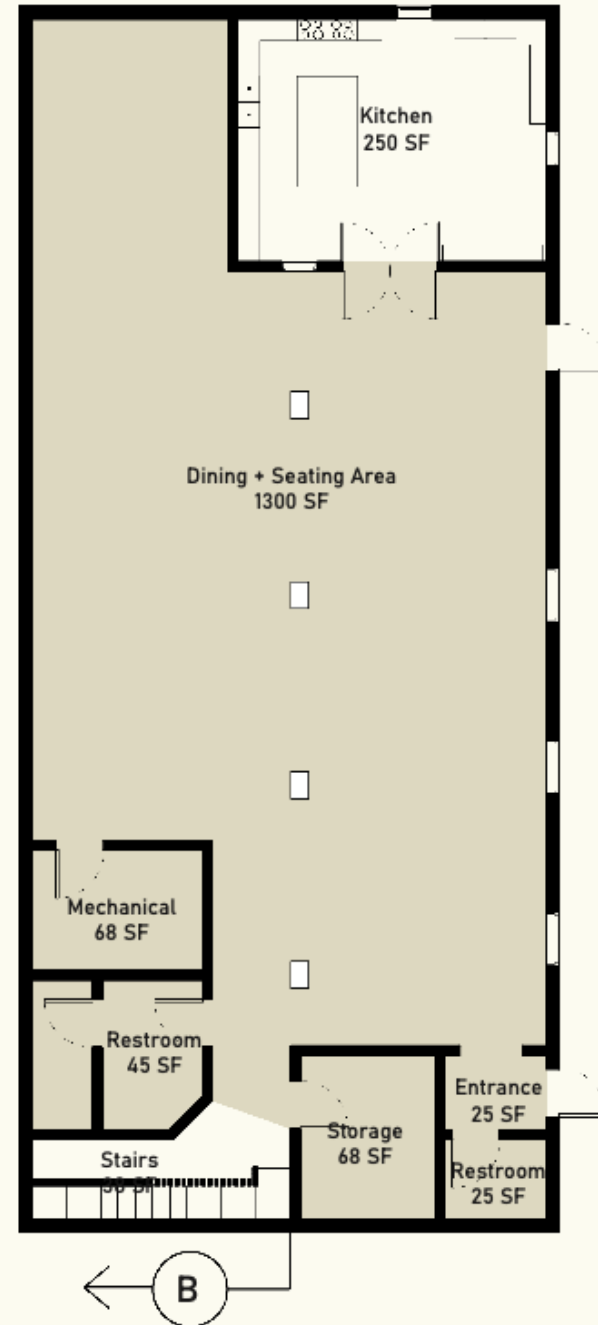
Phase 1 Axonometric + Program Diagram



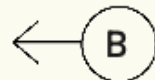
Phase 1 Plan



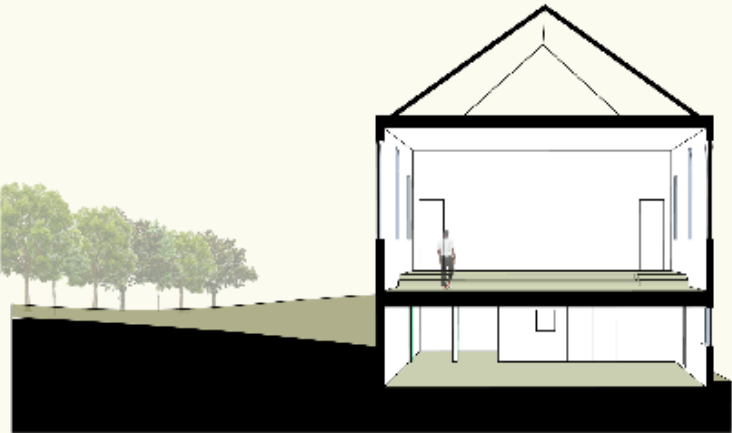
Main Floor



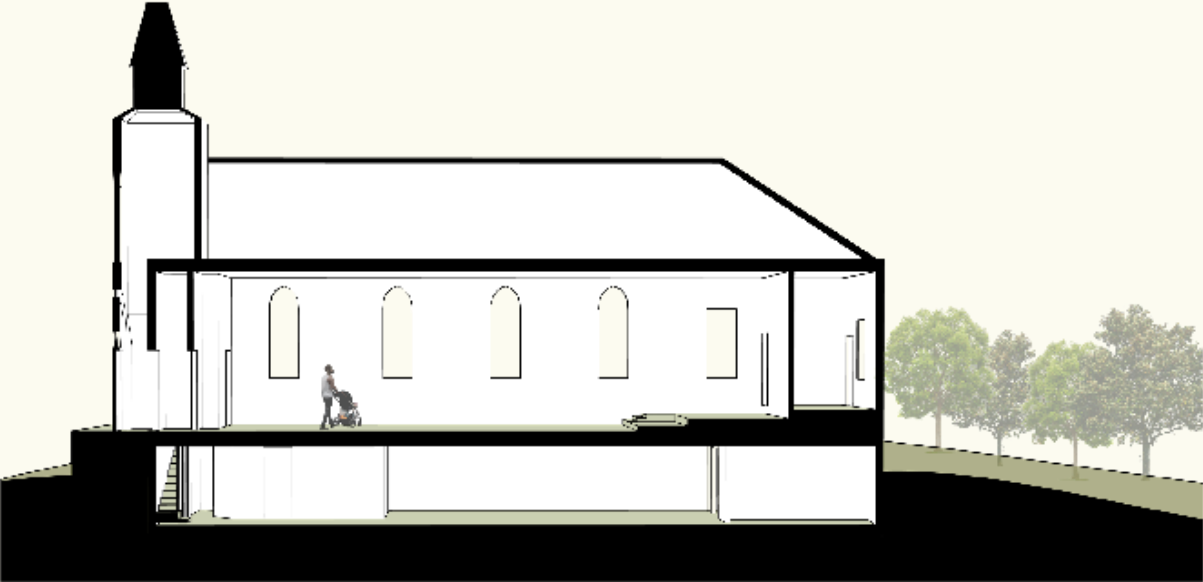
Basement



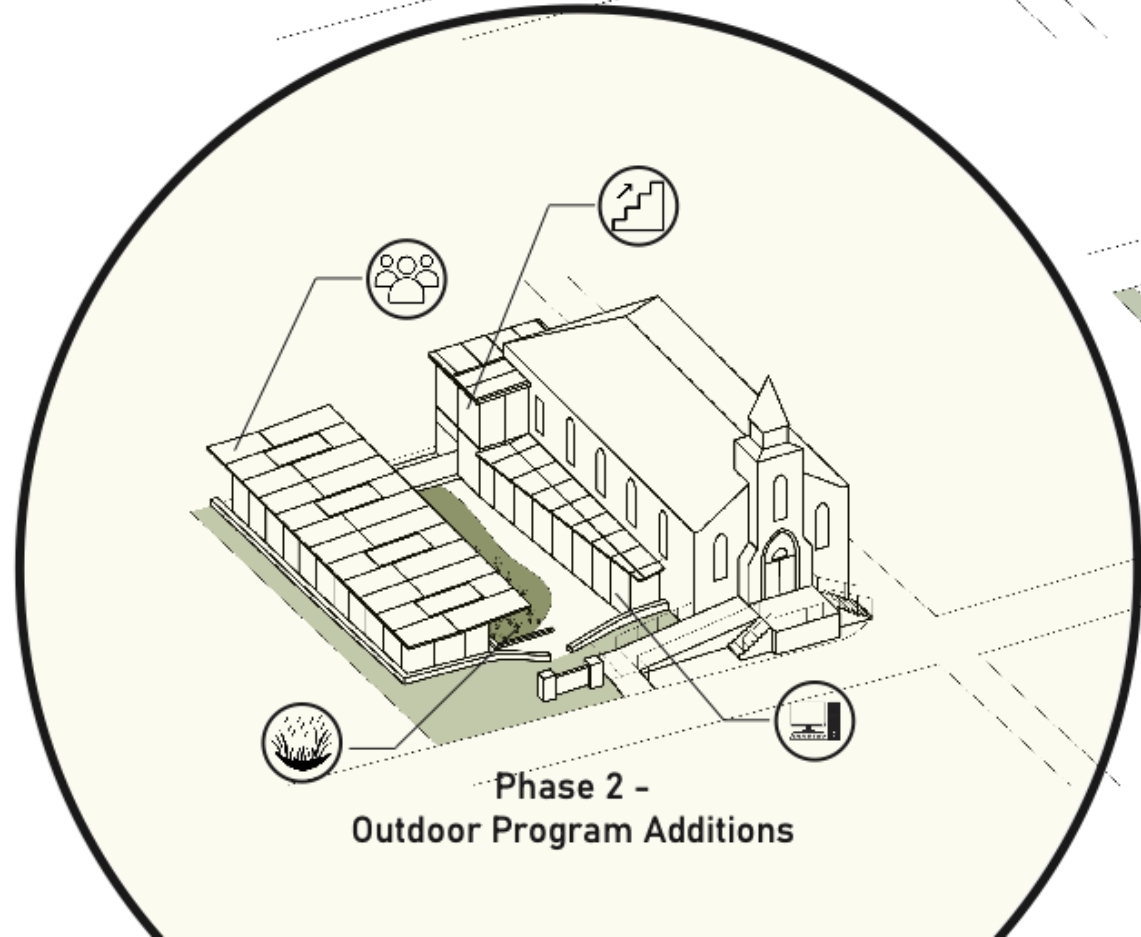
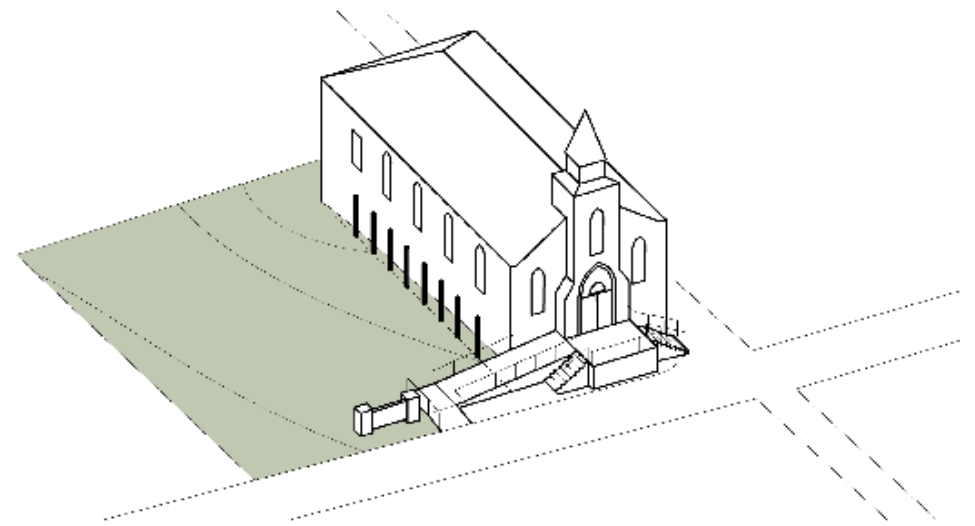
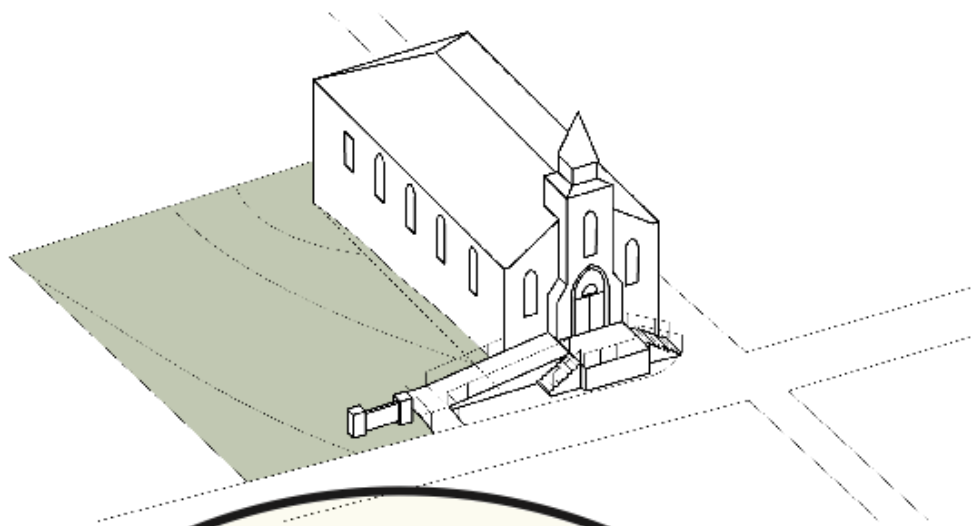
Phase 1 Sections



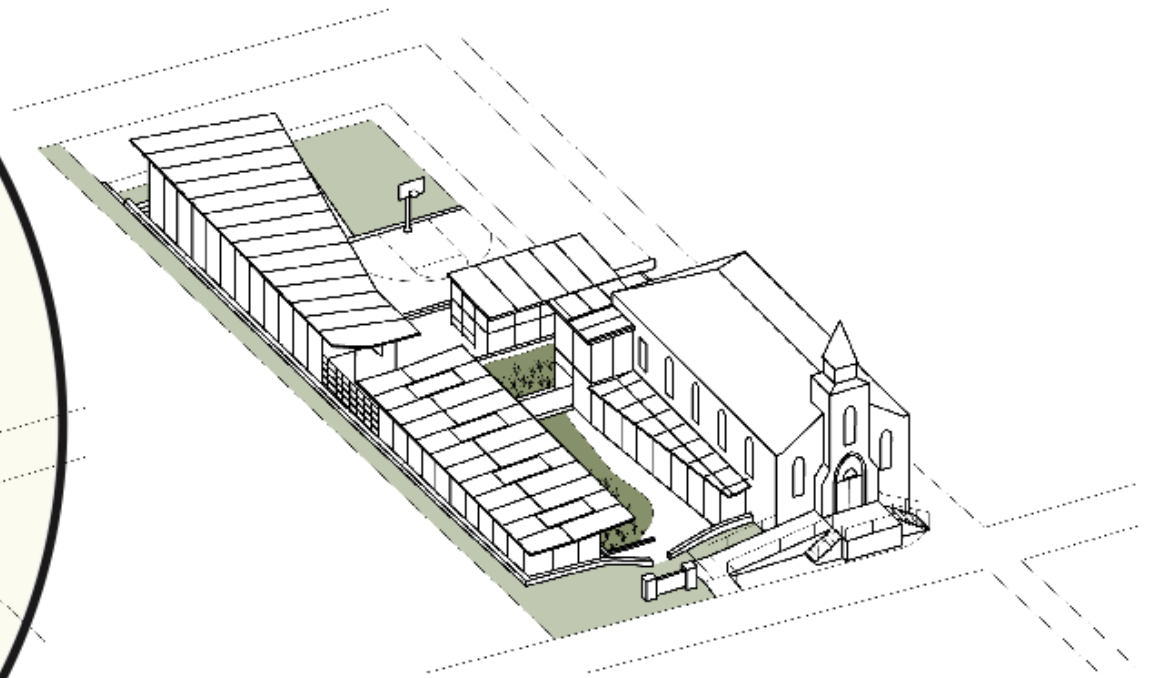
Section A



Section B



**Phase 2 -
Outdoor Program Additions**



Phase 2 Precedents



Tangshan Organic Farm by ARCHSTUDIO
Tangshun, China



Waterloo City Farm by Feilden Fowles
London, England



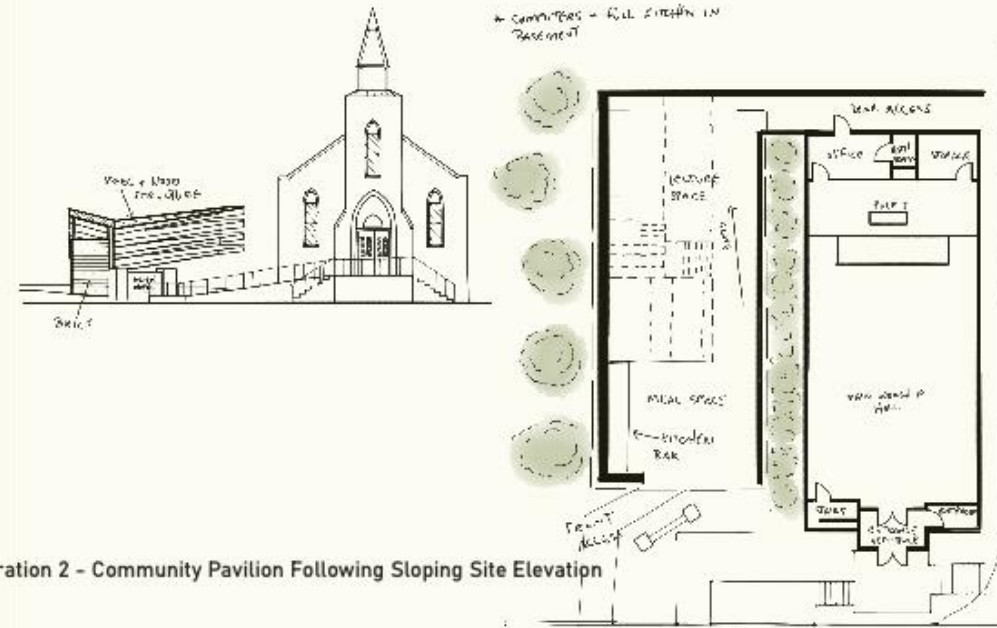
Delta Shelter by Olson Kundig
Mazama, Washington

These three precedents inspire the use of materiality, structure, and landscaping in the design for the Johnson Chapel. The Tangshan Organic Farm's wood and polycarbonate material palette, as well as its wooden bridged circulation around vegetaged spaces highly influence the design of the community gathering pavilion and basement addition for computer use, which are bridged together atop a vegetated bioswale (used to collect rainwater). The Waterloo City Farm influences the design of the basement addition, and the Delta Shelter's implementation of sliding steel panels to control the entrance of sunlight inspires the design's sliding exteriors.

Phase 2 Early Schematic Iterations



Iteration 1 - Basement Additions and Community Pavilion

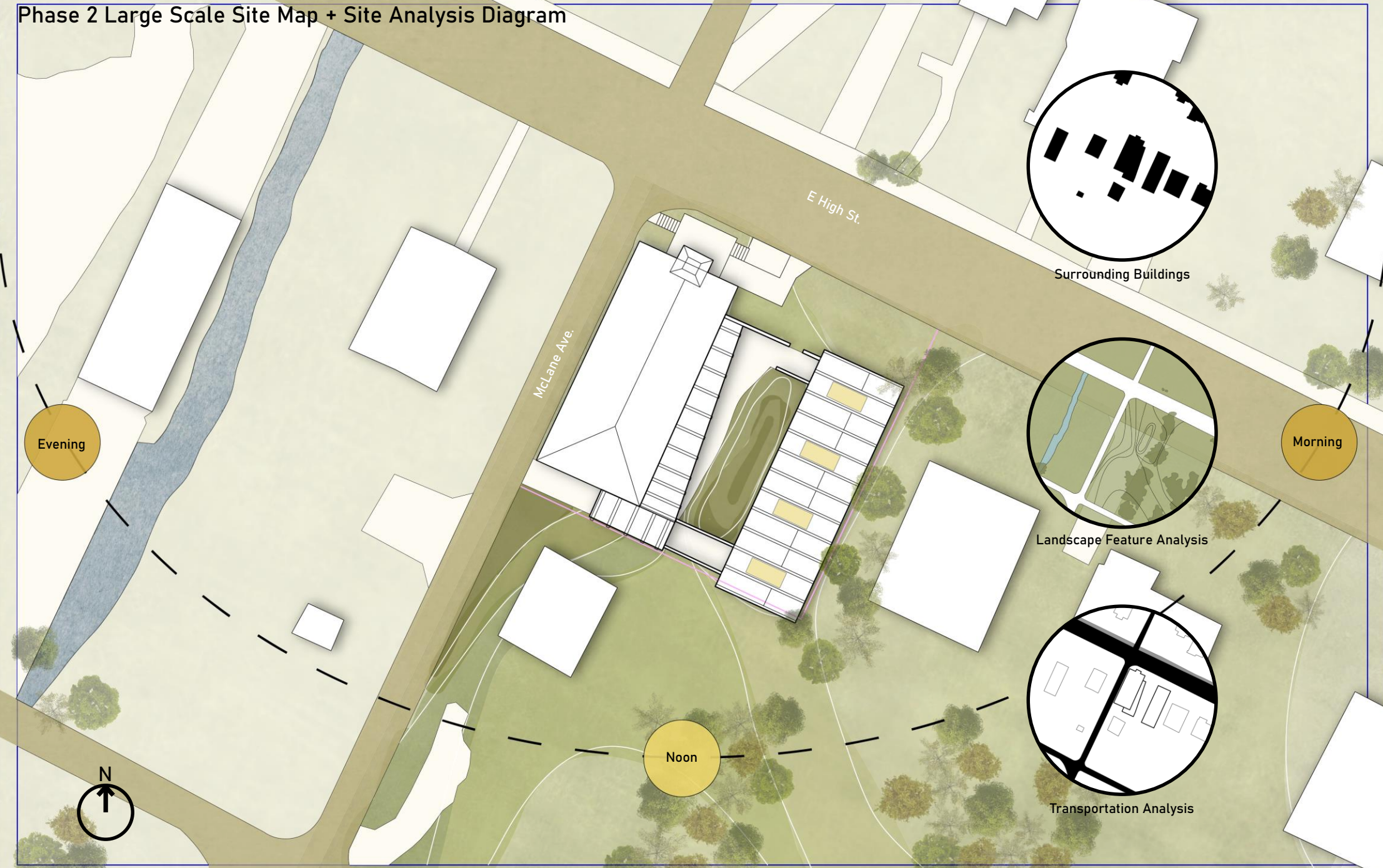


Iteration 2 - Community Pavilion Following Sloping Site Elevation

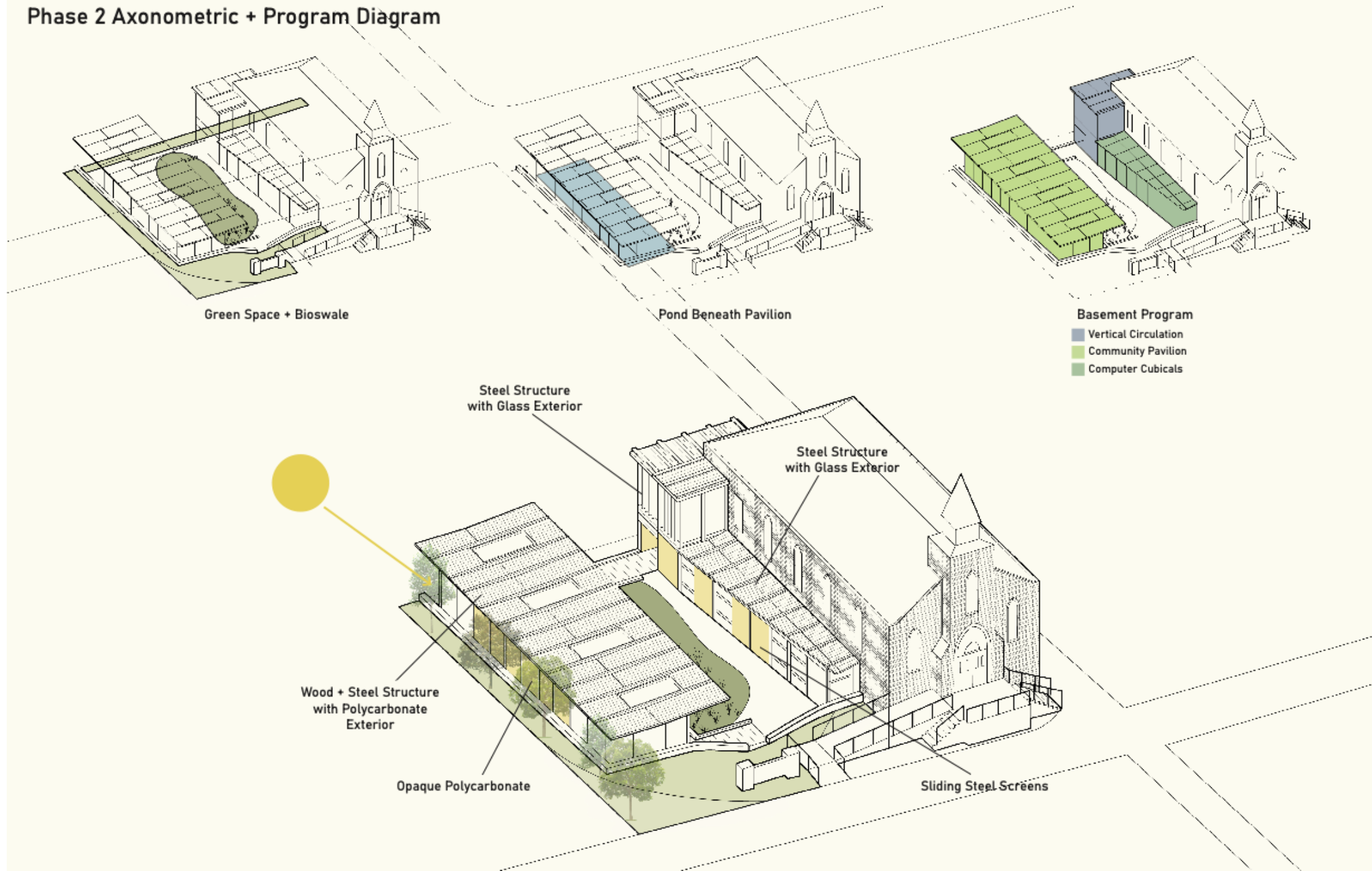


Iteration 3 - L-Shape Community Pavilion Connecting to the Church + Center Basketball Court

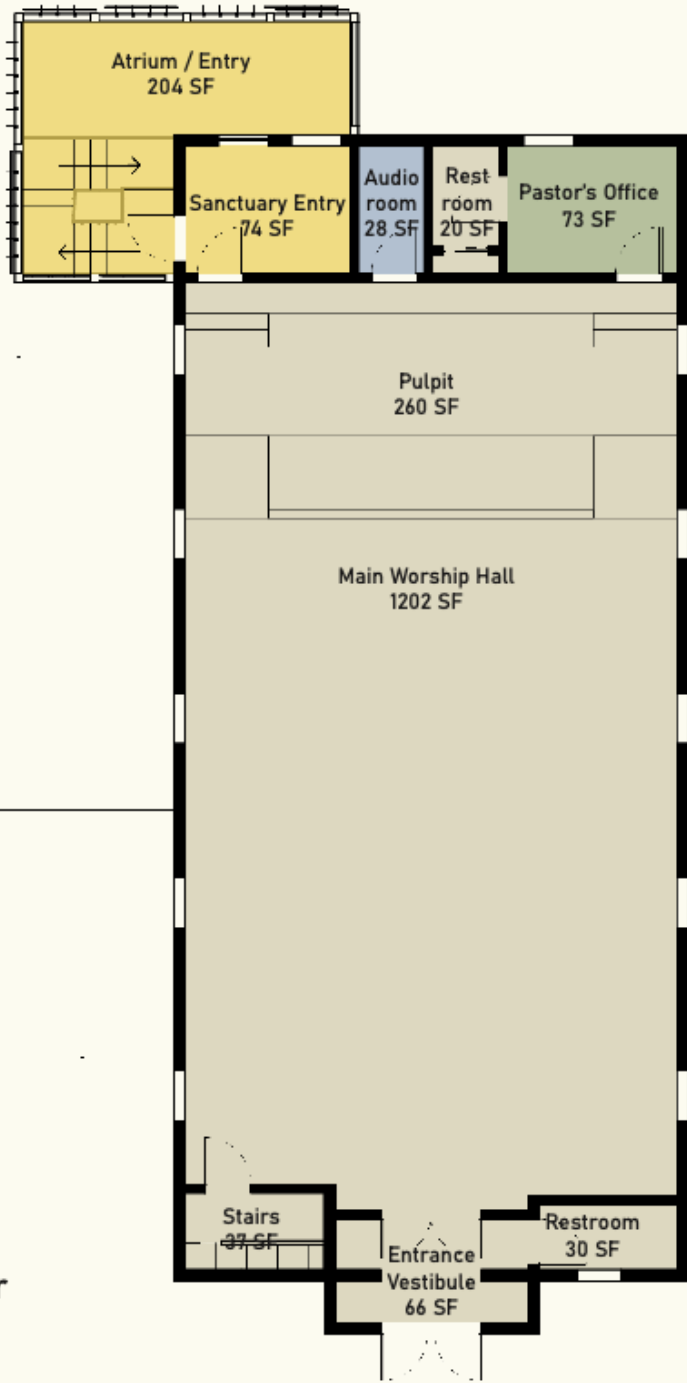
Phase 2 Large Scale Site Map + Site Analysis Diagram



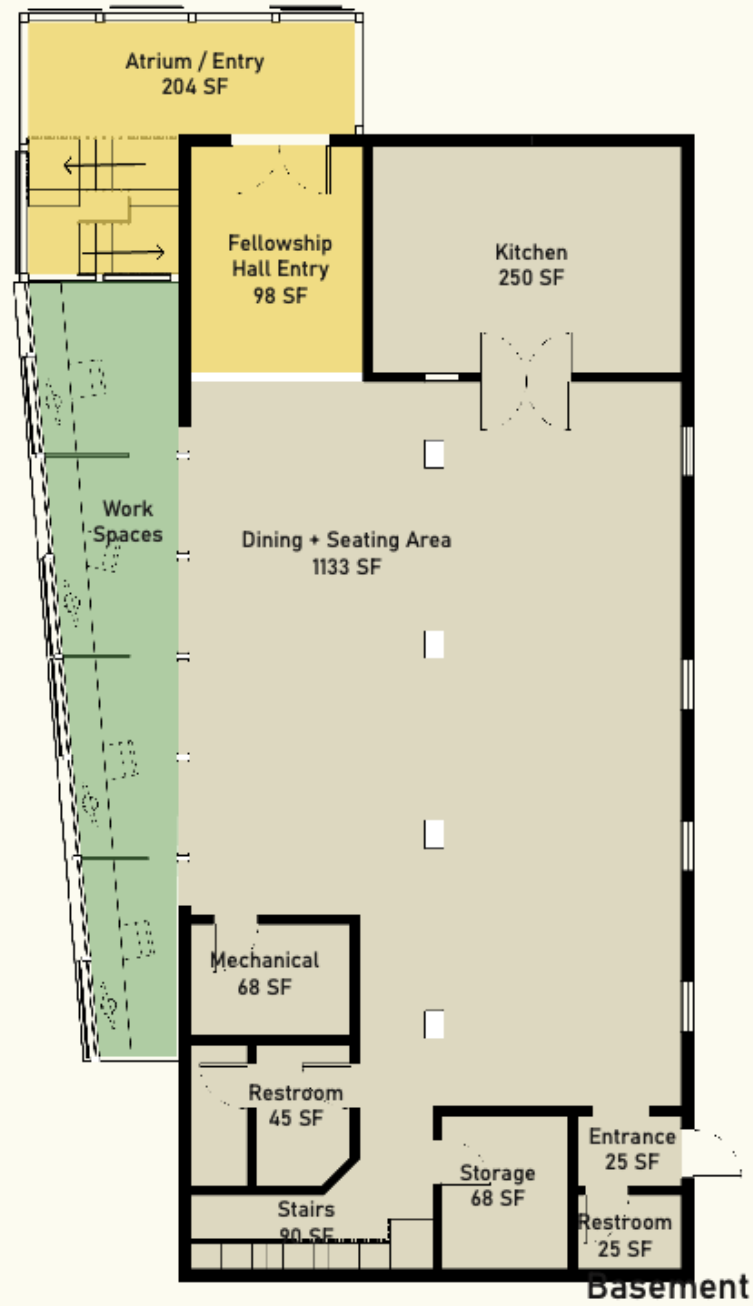
Phase 2 Axonometric + Program Diagram



Phase 2 Plans



Main Floor

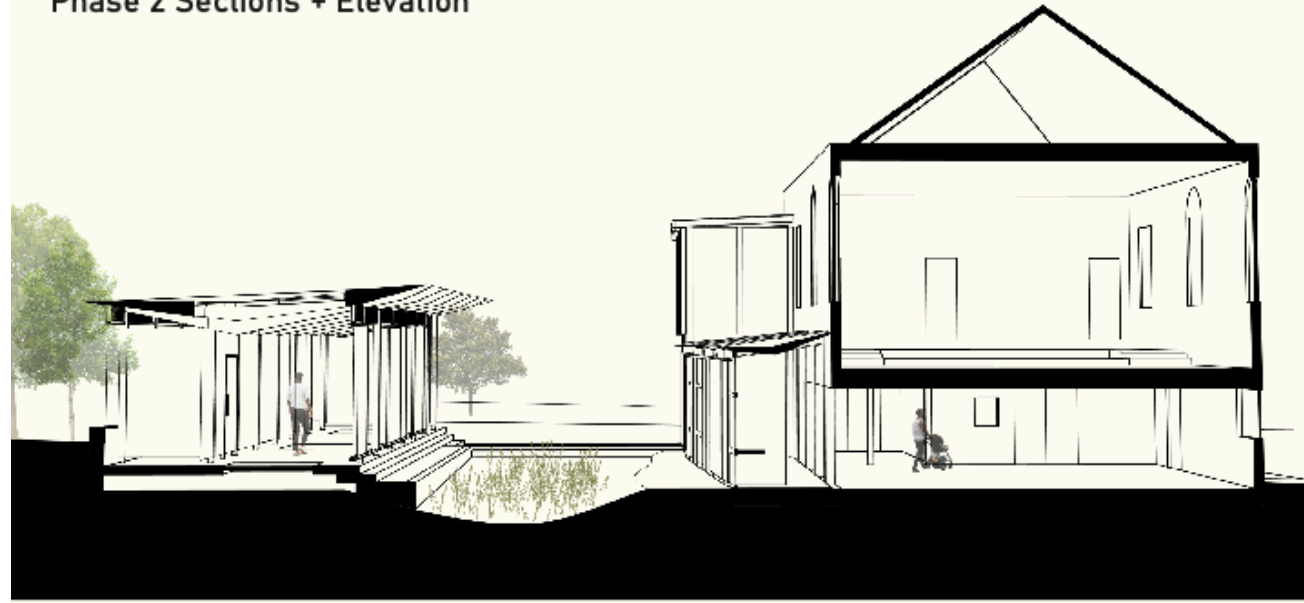


Basement

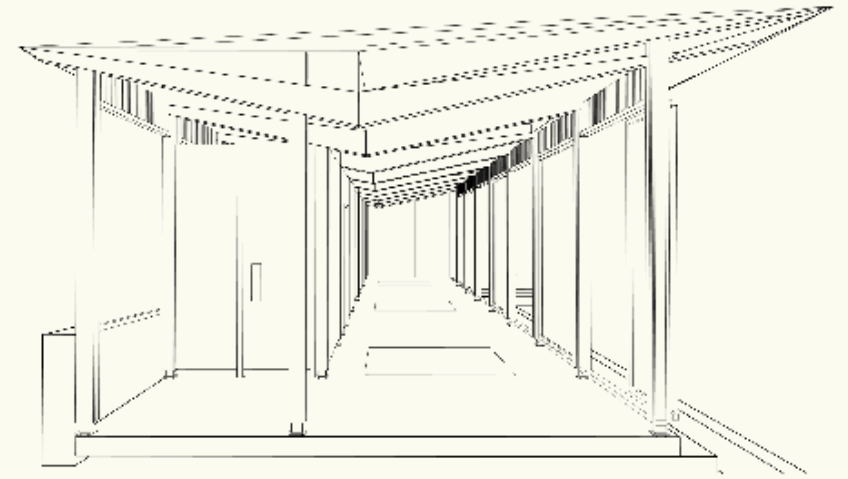
Phase 2 Outdoor Pavilion Plan



Phase 2 Sections + Elevation



Section A



Pavilion Detail

South Elevation





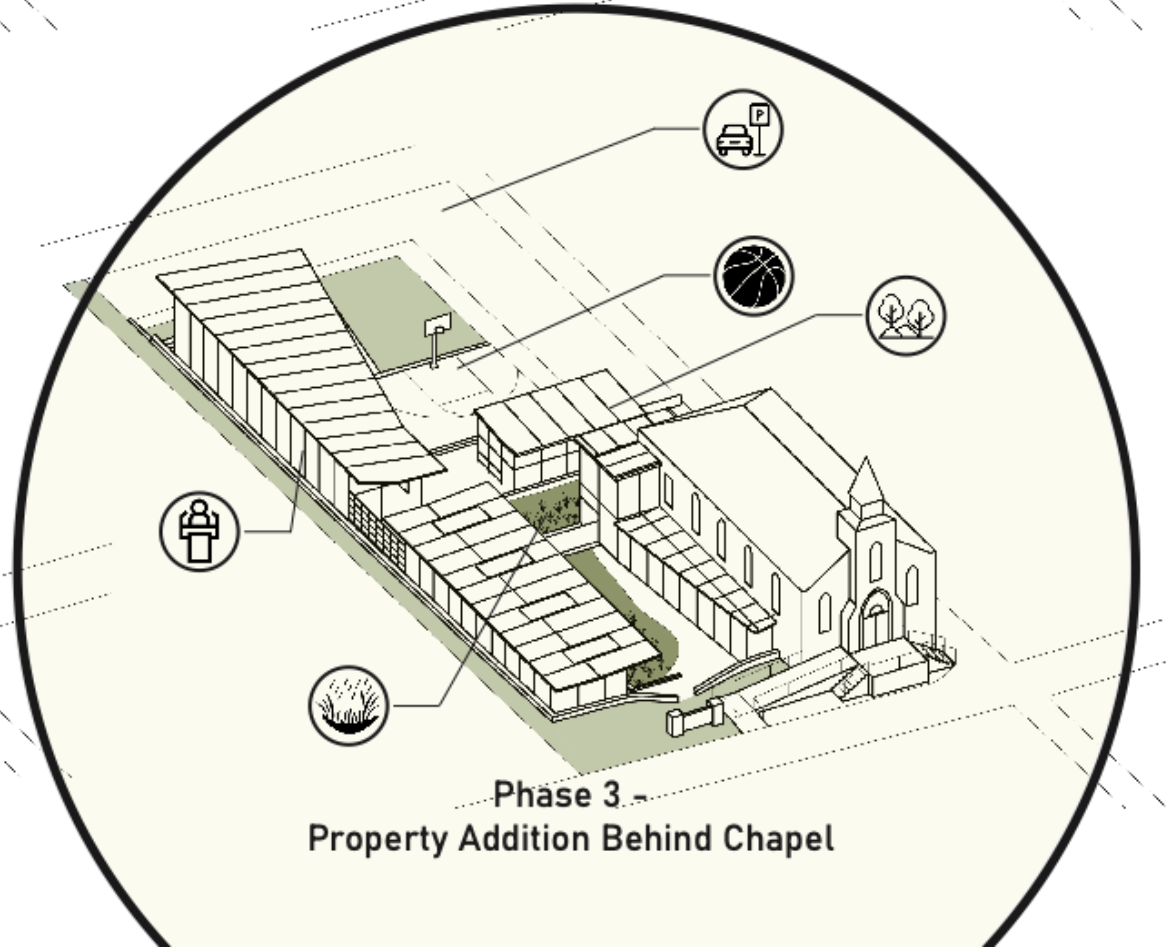
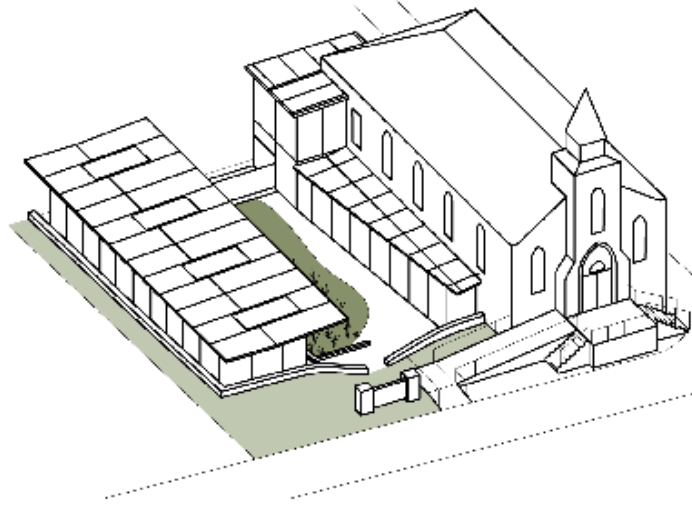
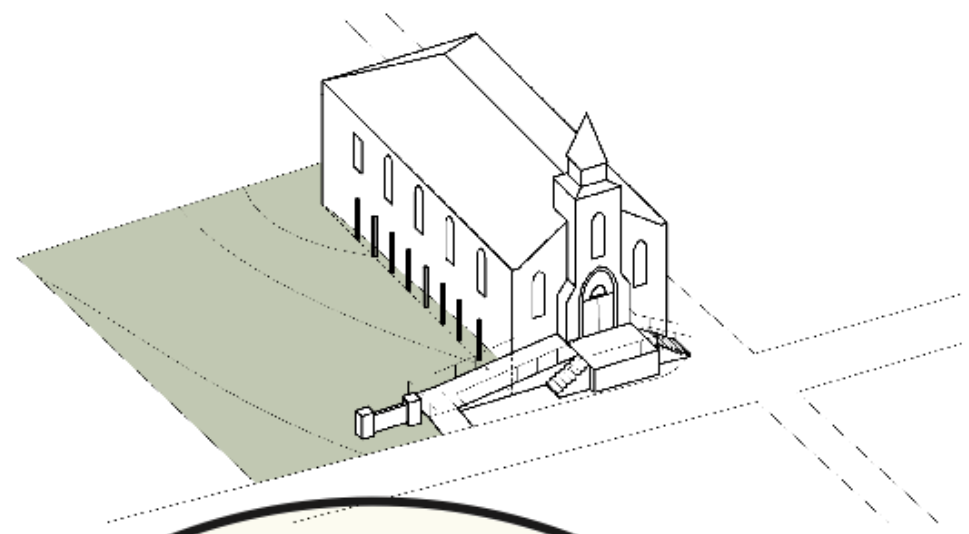
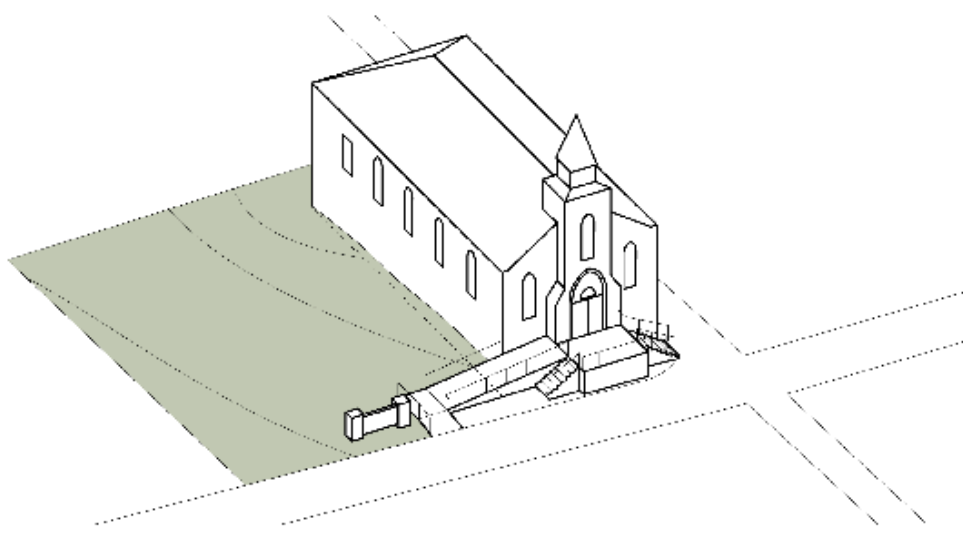
Phase 2



Phase 2



Phase 2



Phase 3 -
Property Addition Behind Chapel



**Schooltuin by RO&AD Architecten
Roosendaal, Netherlands**

These three precedents inspire the combination of programmatic spaces and use of permeable parking spaces in the design for the Johnson Chapel. Schooltuin's design of a variety of spaces – including classrooms, a carport, gardens, and toolsheds – within a singular structure inspires the different functionalities seen in the Phase 3 addition for the chapel. The colorful design and inviting atmosphere of the basketball court seen in Parque en la Unidad Infonavit, as well as the use of stonework within the landscape in the Memory Garden to make walkable outdoor flooring, also inspire the design seen in Phase 3.

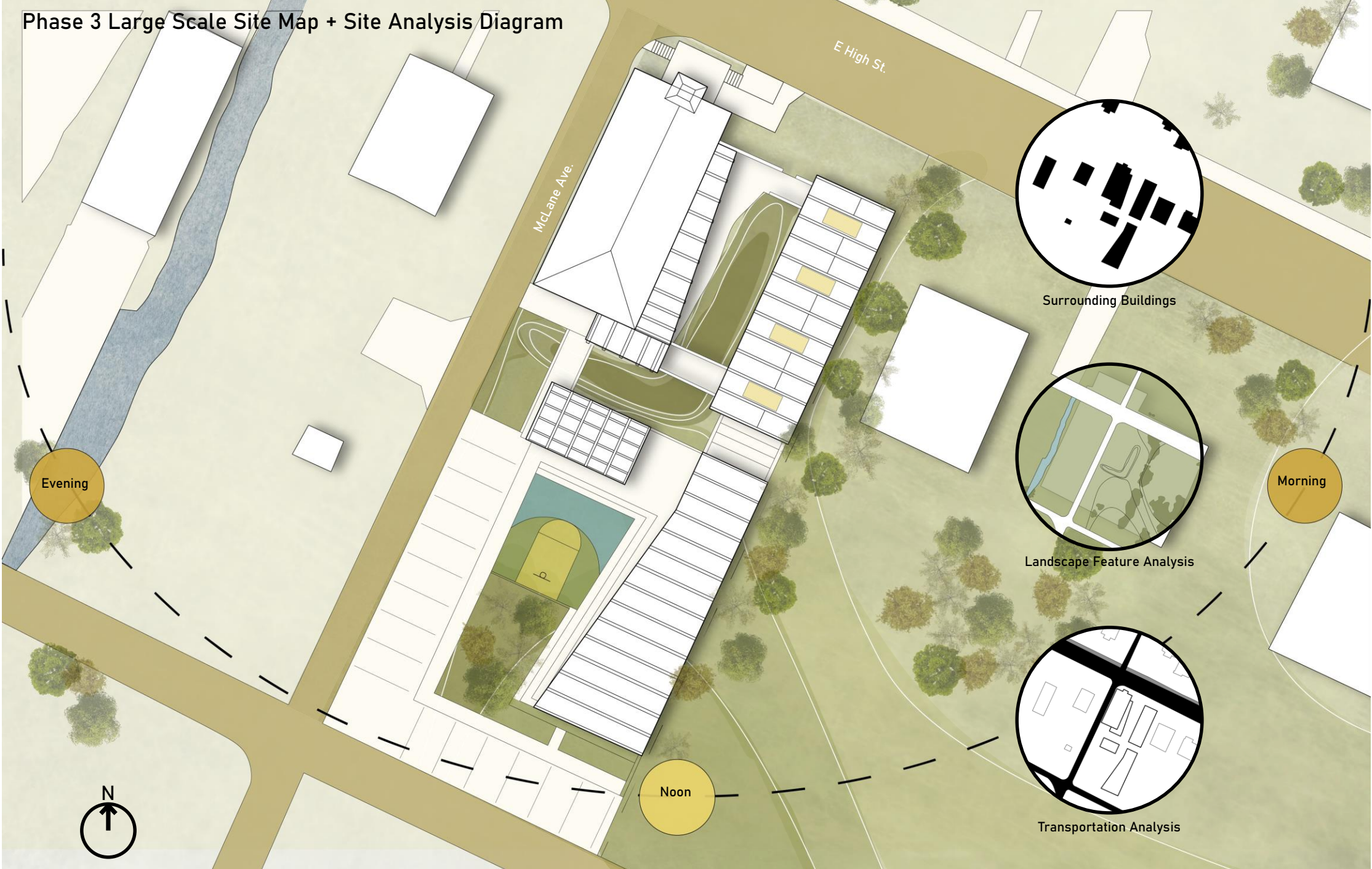


**Parque en la Unidad Infonavit by
Quintanilla Arquitectos
Heroica Cardenas, Mexico**



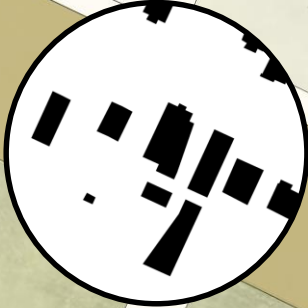
**The Memory Garden by Camilla Mileto &
Fernando Vegas Lopez-Manzanares
Vinaros, Spain**

Phase 3 Large Scale Site Map + Site Analysis Diagram

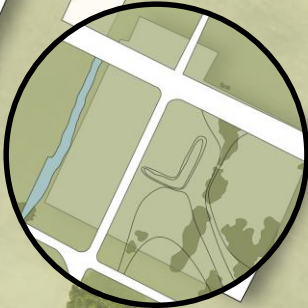


E High St.

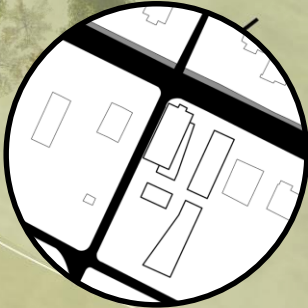
McLane Ave.



Surrounding Buildings



Landscape Feature Analysis



Transportation Analysis

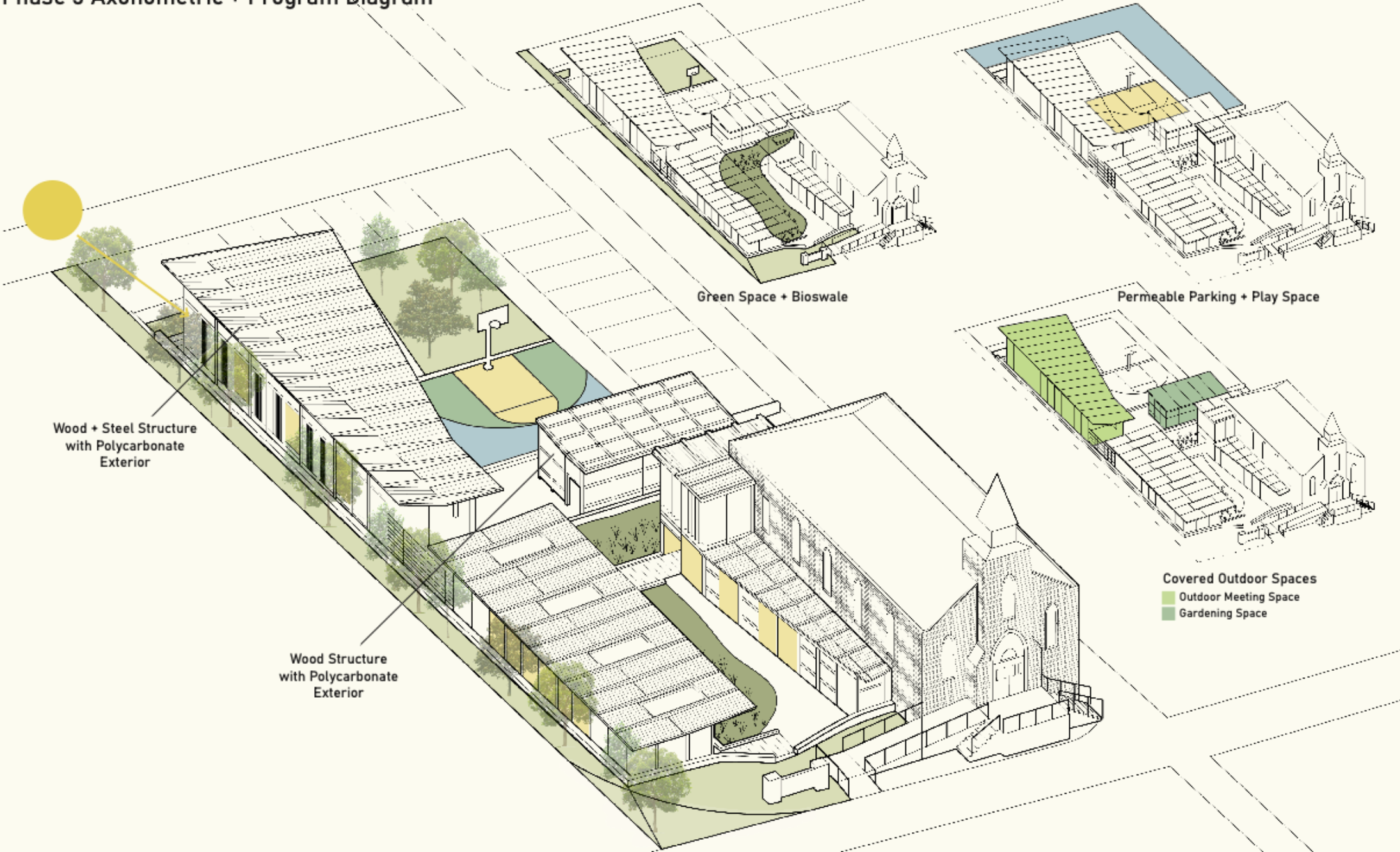
Evening

Noon

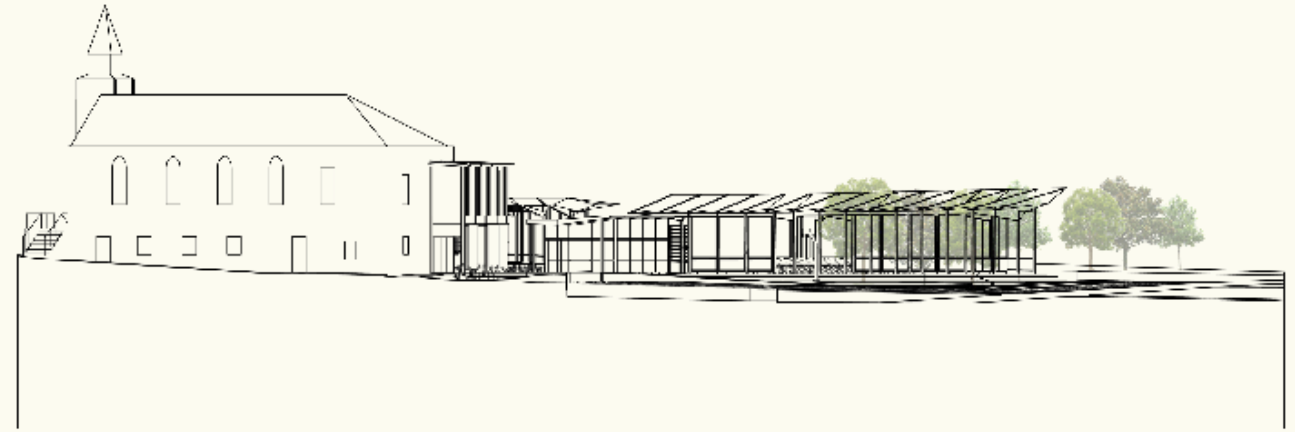
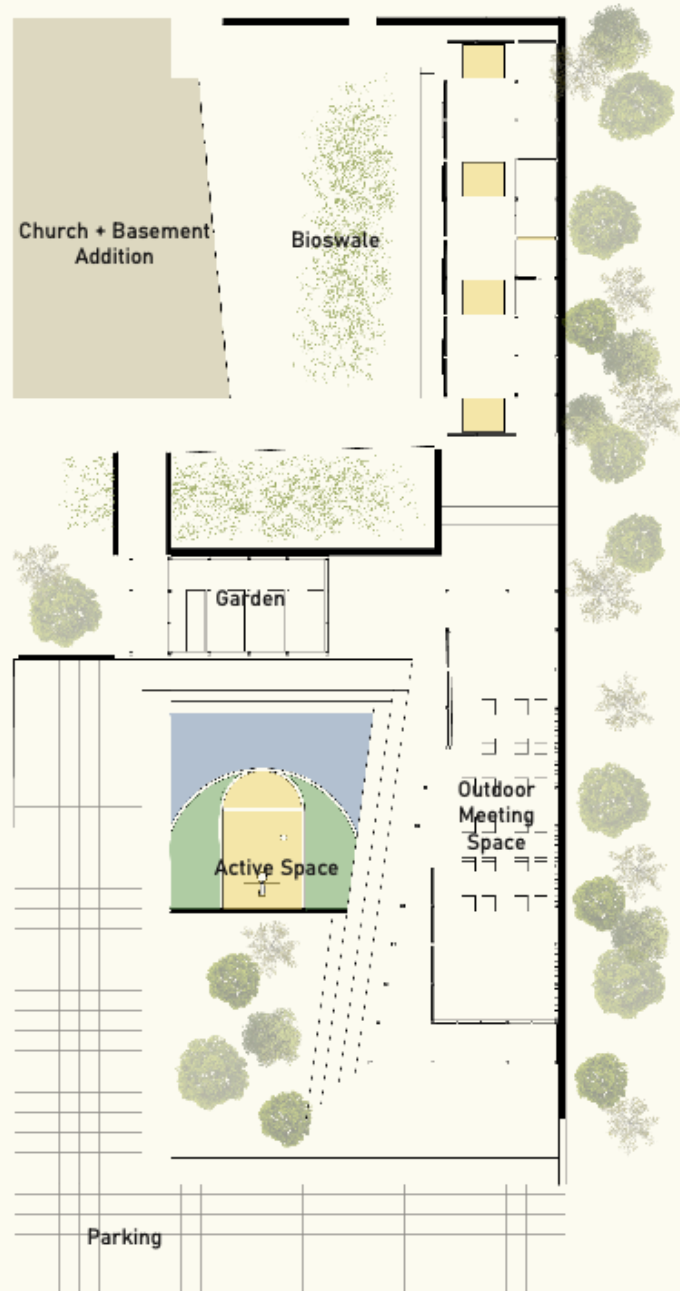
Morning



Phase 3 Axonometric + Program Diagram



Phase 3 Plan + Elevations



West Elevation



East Elevation



Phase 3



Phase 3



Phase 3

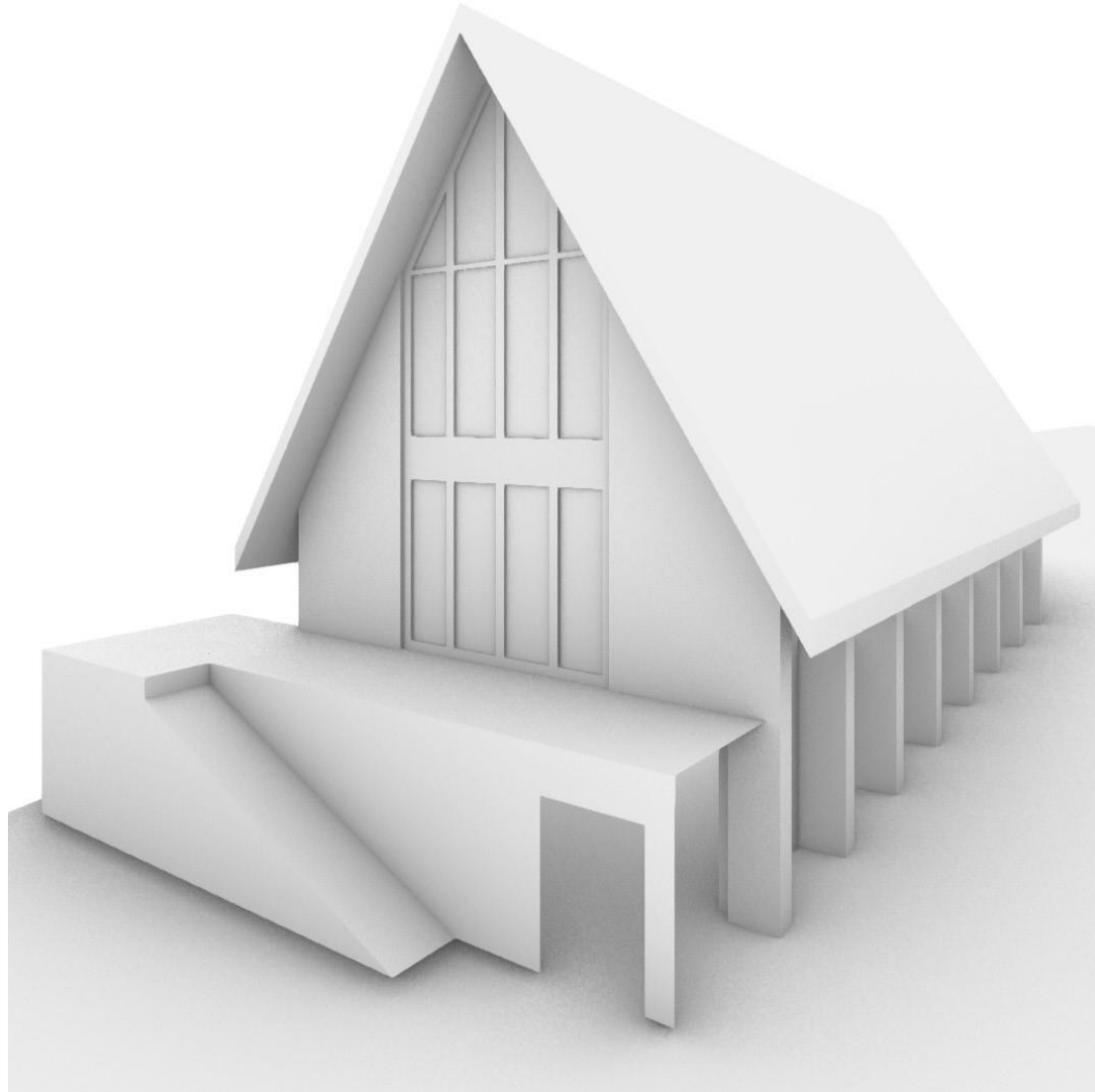


TAYLORTOWN A.M.E. ZION CHURCH

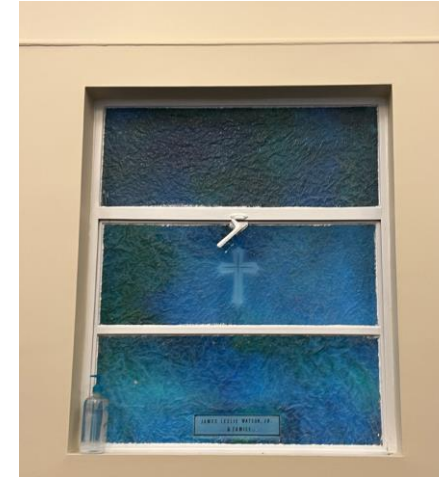
Nashia Olise & Amber Taylor

Faculty: Bruce Swetnam

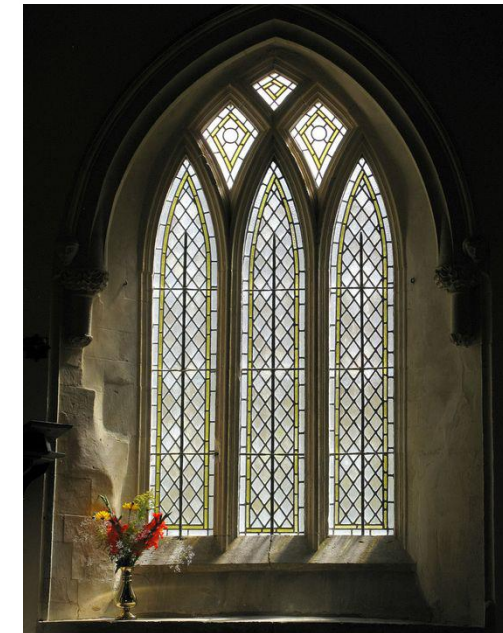
MINOR CHANGES



PHASE 1: EXISTING BUILDING



OLD WINDOW



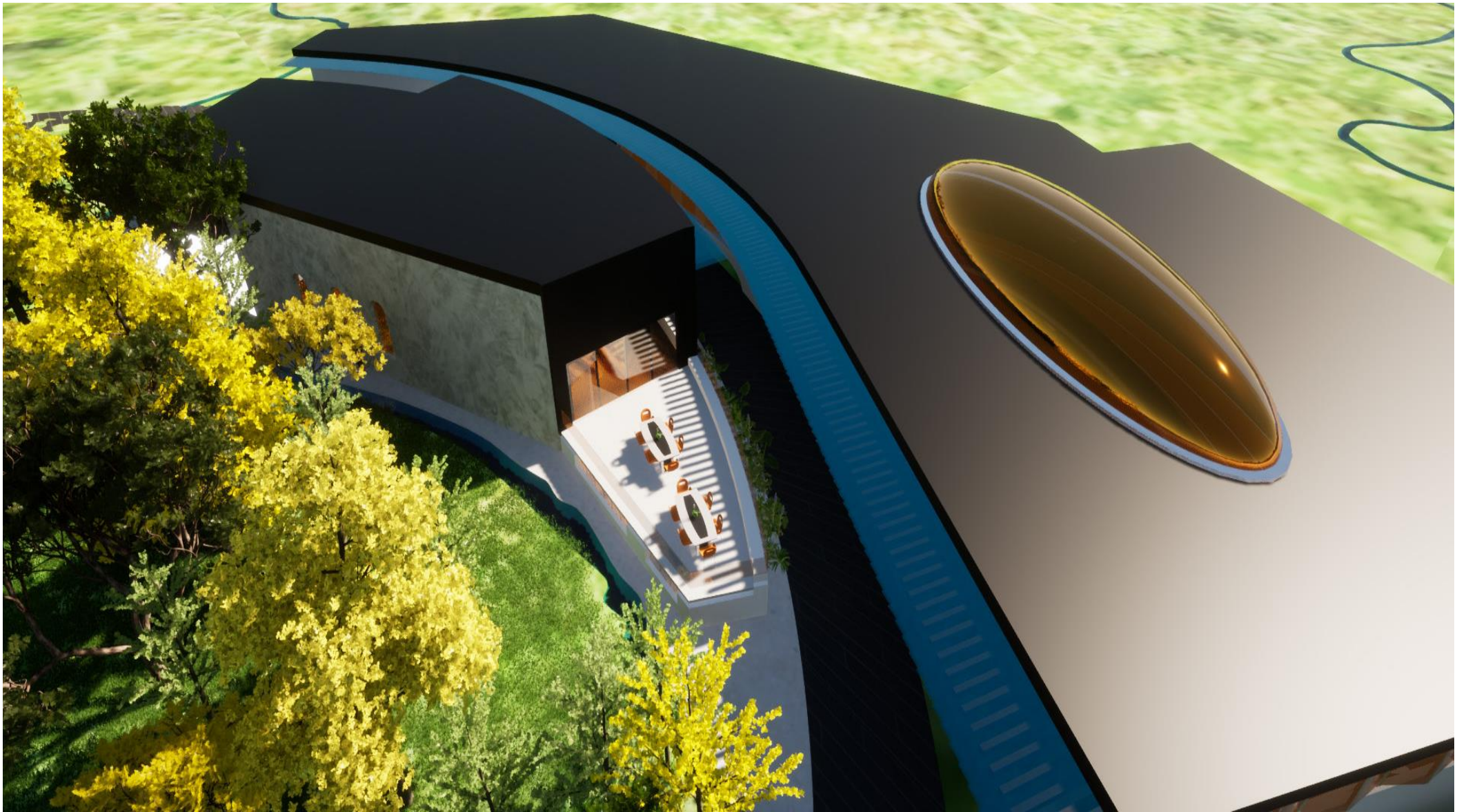
NEW WINDOW IDEA

**PHASE 1: SITE PLAN**

BRIEF HISTORY

In the middle 1860s, the Negro citizens in the Goose Creek Community of Jefferson County, opened the need to worship God in a setting and atmosphere all their own. These few anxious souls gathered in the home of Bro. Ben Taylor to organize a religious body which they named Taylor Chapel Church.

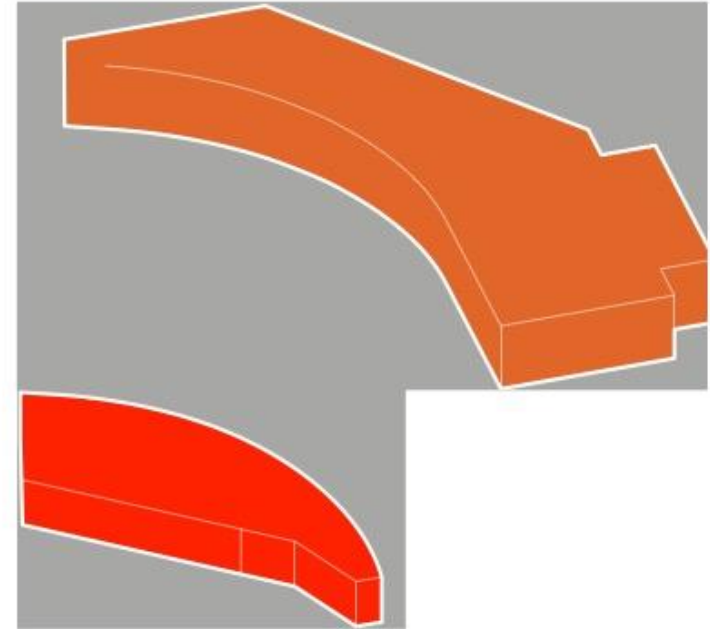
The Cornerstone of the "first" church building church was laid in 1920.





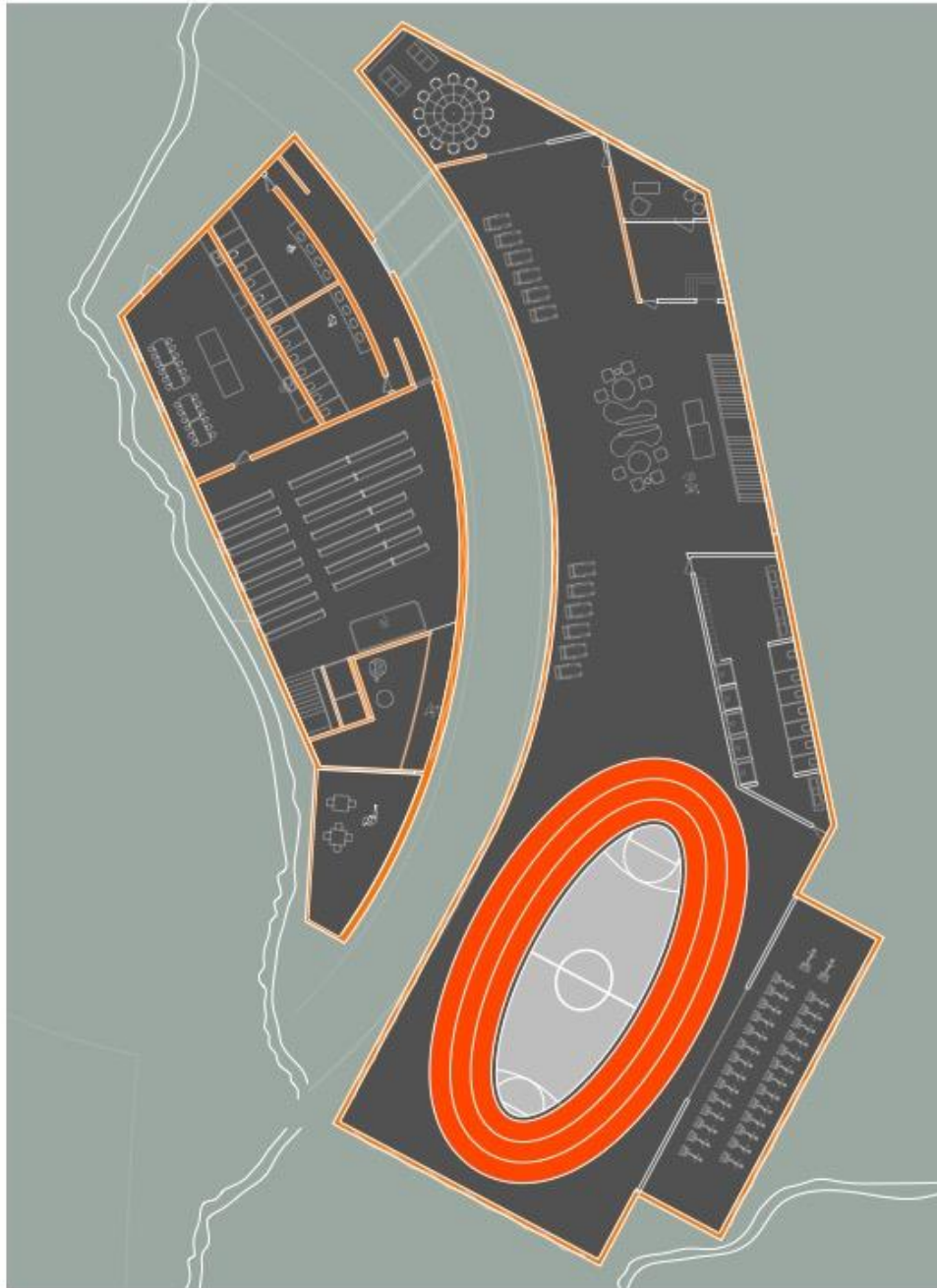
PHASE 2: FAMILY LIFE CENTER



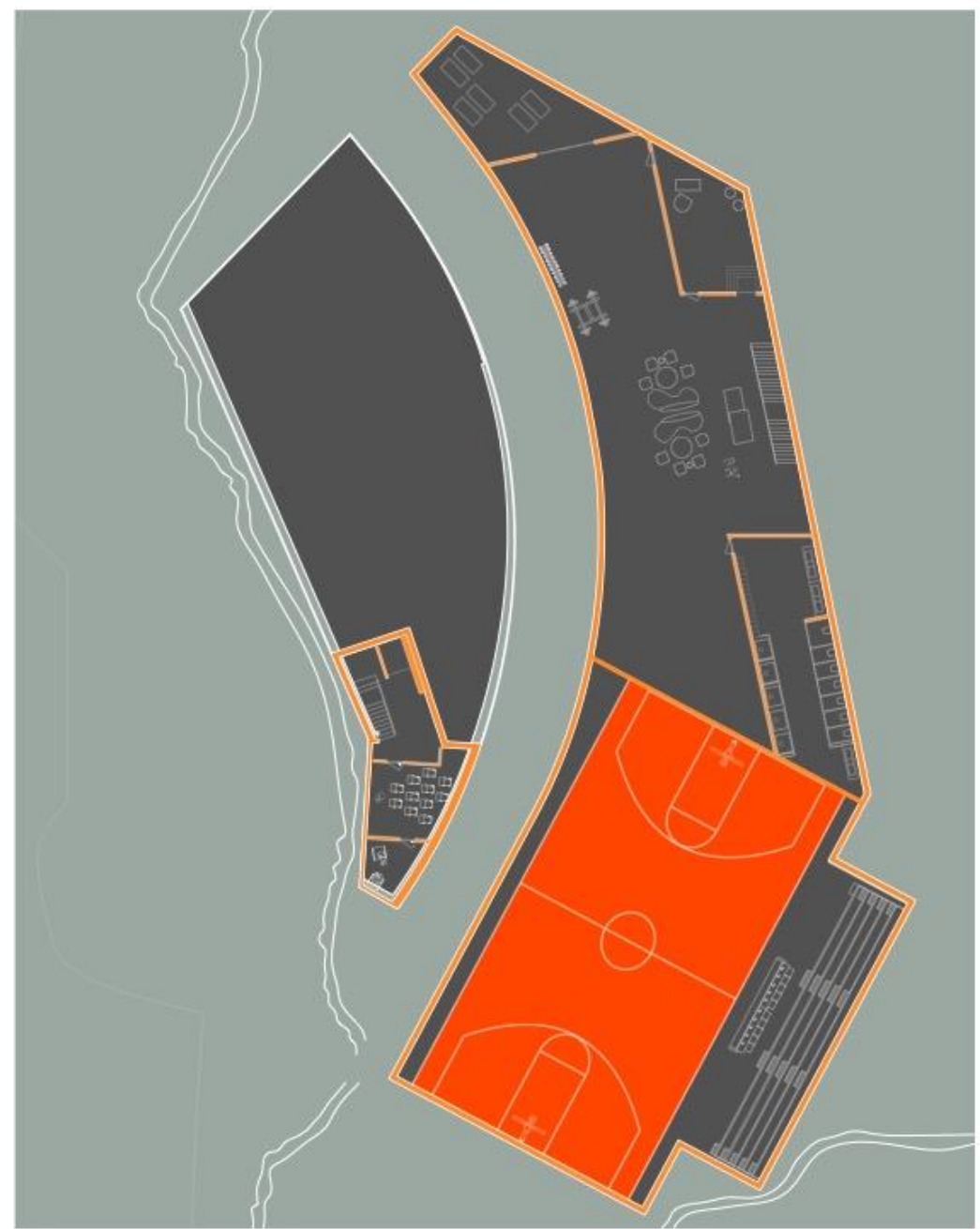
PROGRAMS CONTAINED



- | | |
|---|---|
|  |  |
| <ul style="list-style-type: none">• Worship<ul style="list-style-type: none">- Fellowship hall• Hospitality<ul style="list-style-type: none">- Kitchen• Education<ul style="list-style-type: none">- Classroom | <ul style="list-style-type: none">Health & Wellness<ul style="list-style-type: none">- Gym- Basketball court- track- YogaEducation<ul style="list-style-type: none">-Classrooms |



PHASE 2: FIRST FLOOR PLAN



PHASE 2: BASEMENT FLOOR PLAN



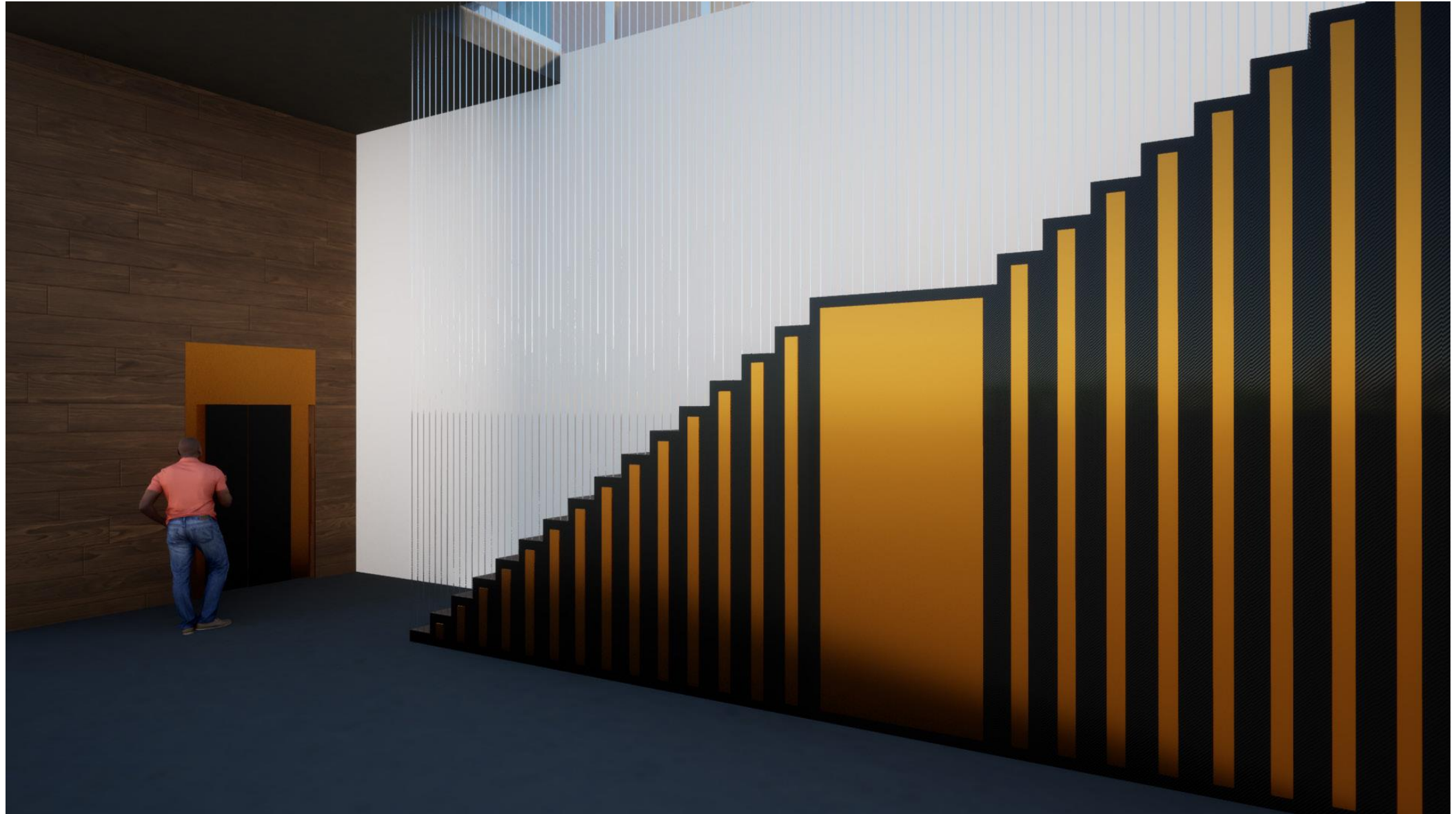


























PHASE 3: SCHEMATIC SITE PLAN

St. John's

Chapel and
Country Store

215 E Brashear Ave.

Ben Rudloff
Chris Marra



About Us:



Ben Rudloff

From: Lincolnshire, IL

Fourth Year Architecture Student



Chris Marra

From: Lexington, KY

Fourth Year Architecture Student



What we heard:

- ADA restrooms
- Better ADA access especially to dining area
- Larger office
- Day care/ youth center
- Music center
- Scouting
- Parking
- Multipurpose space



Parking

ADA Restrooms

Larger Office

Scouting

Multipurpose space

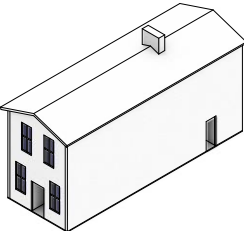
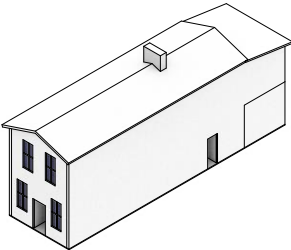
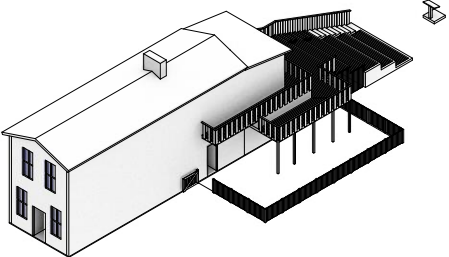
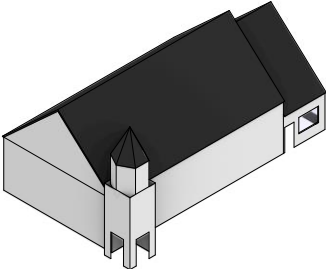
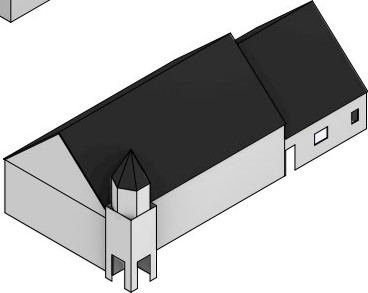
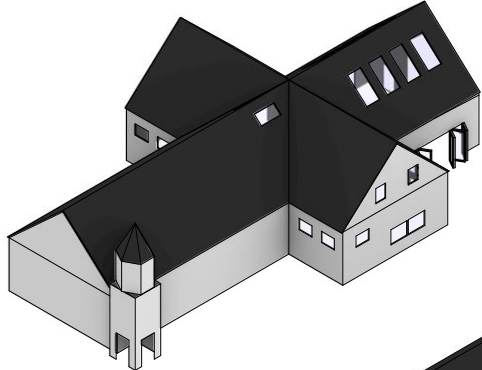
ADA dining

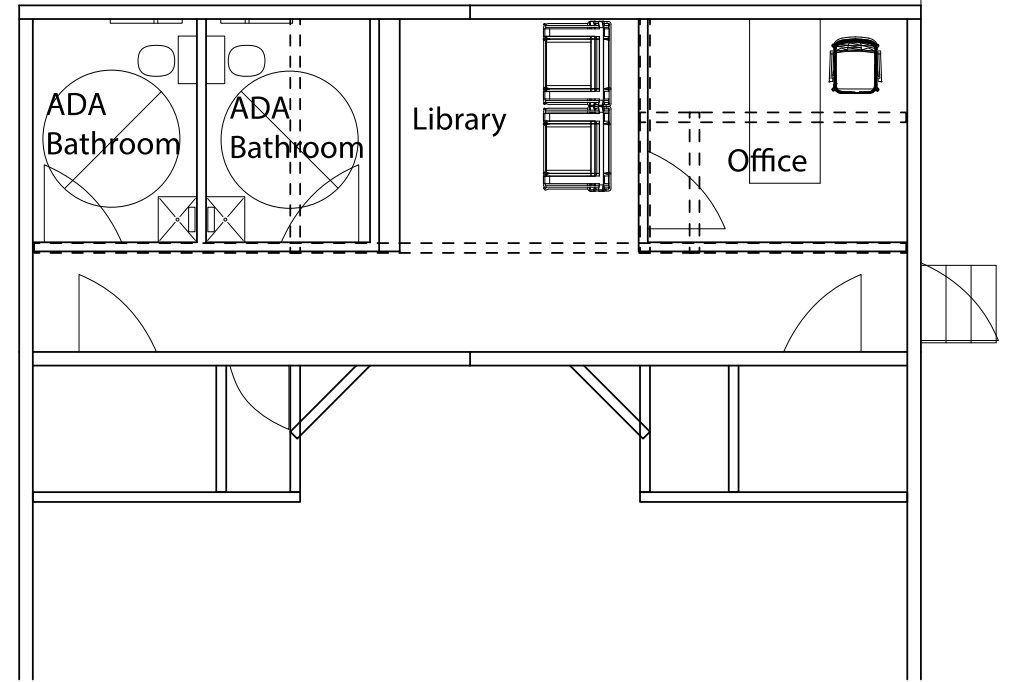
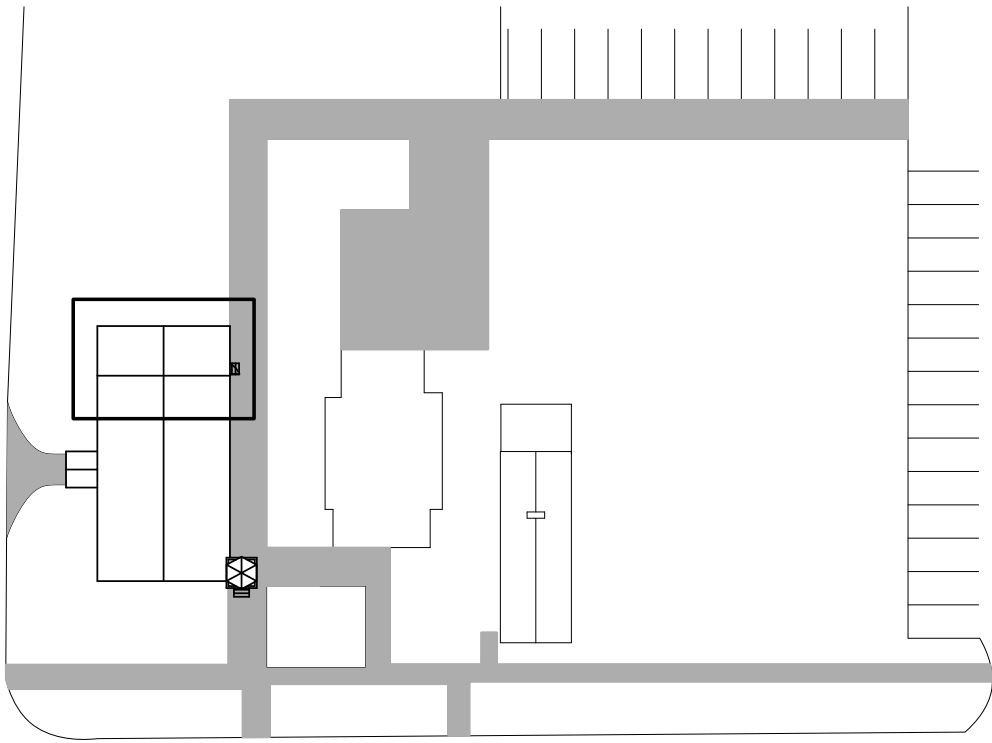
Day care

Music center

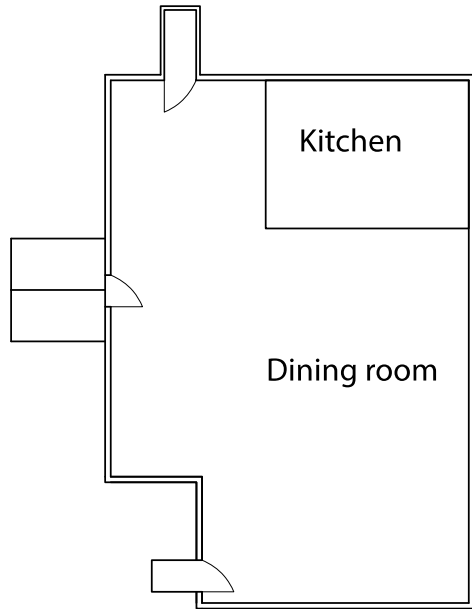
Multipurpose space

Overview of all three phases_





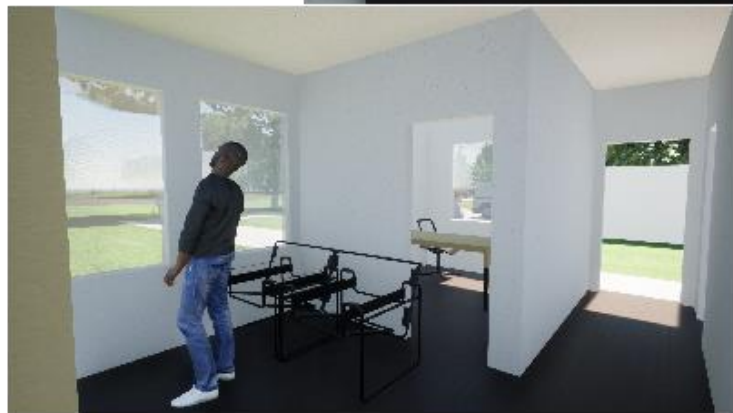
Phase 1

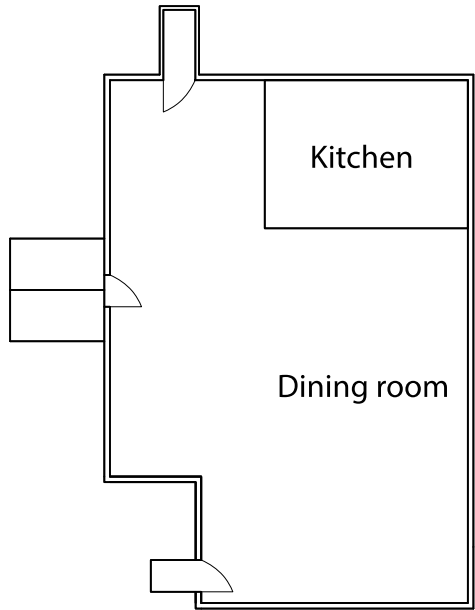
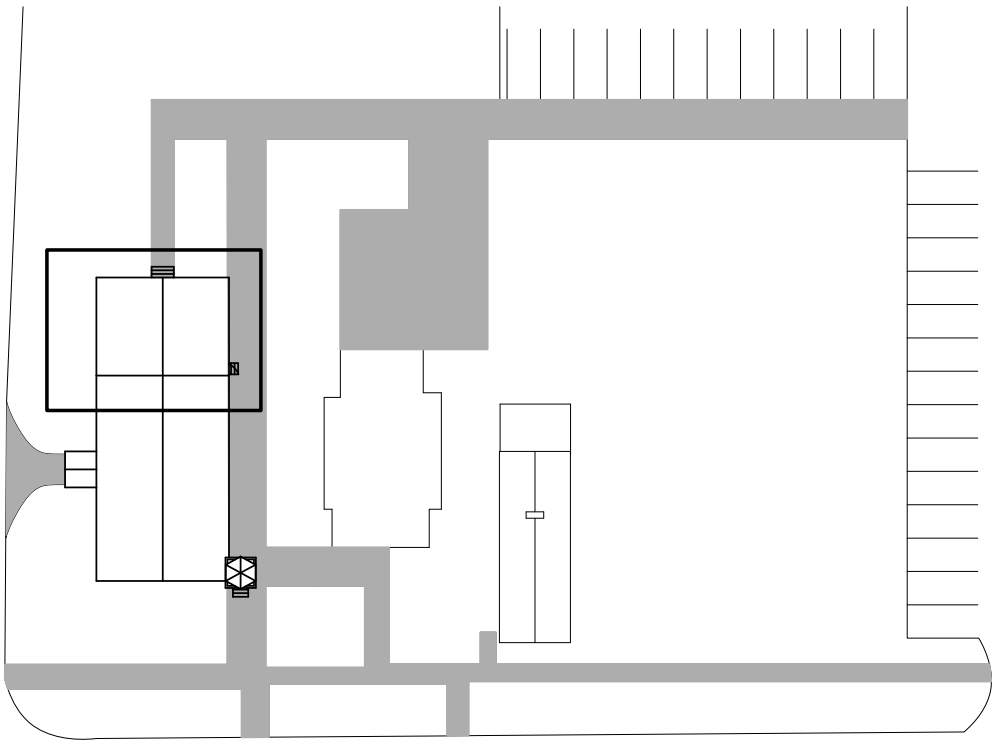


10'

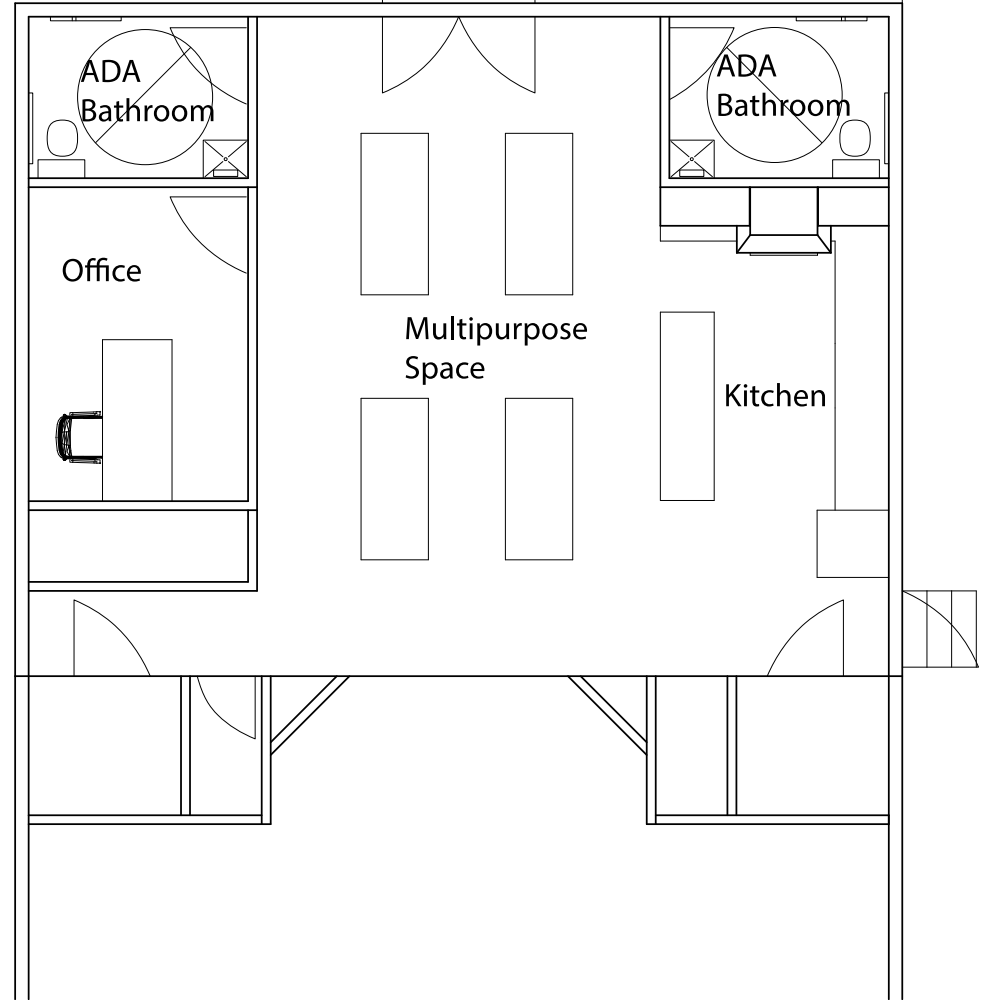
10'



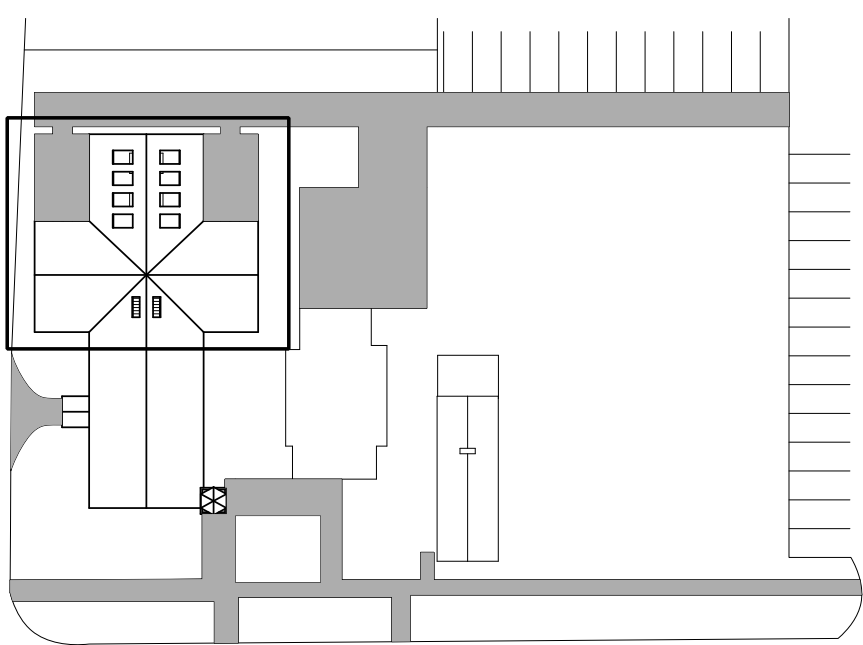




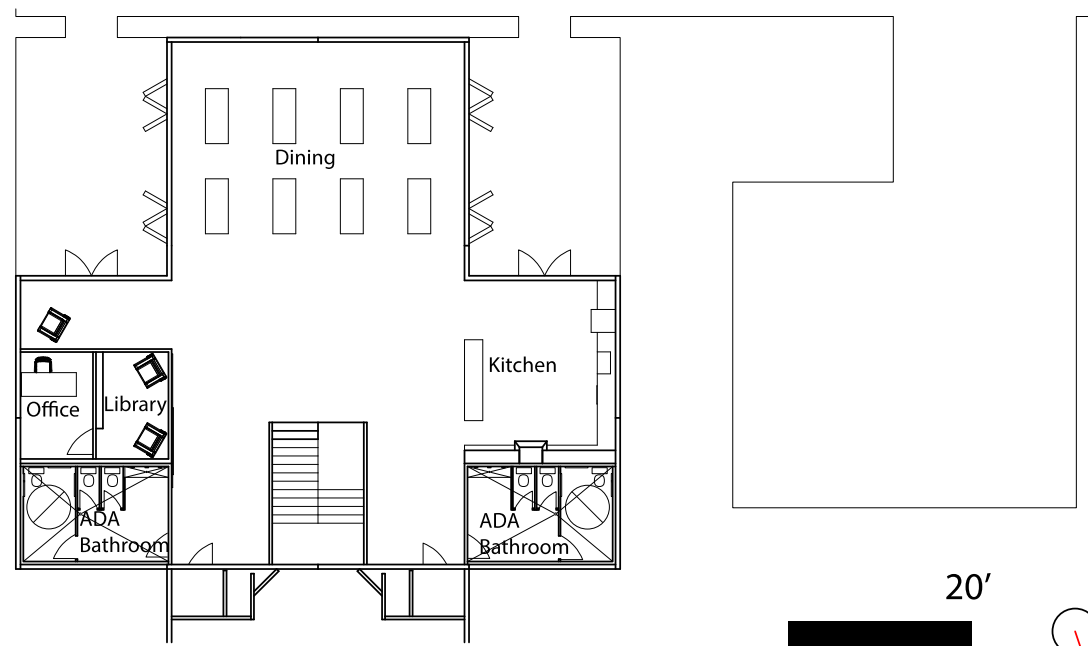
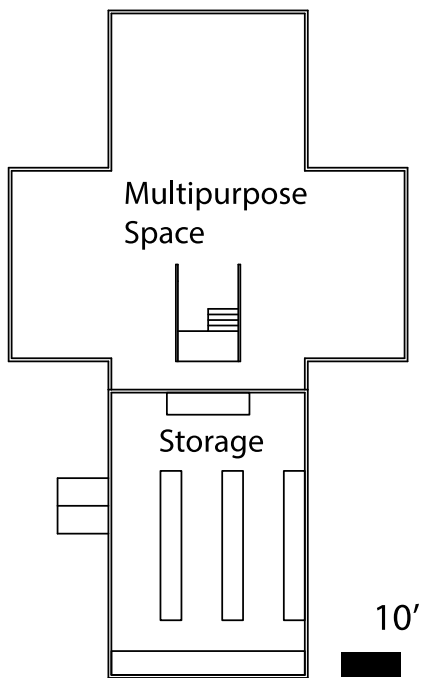
Phase 2



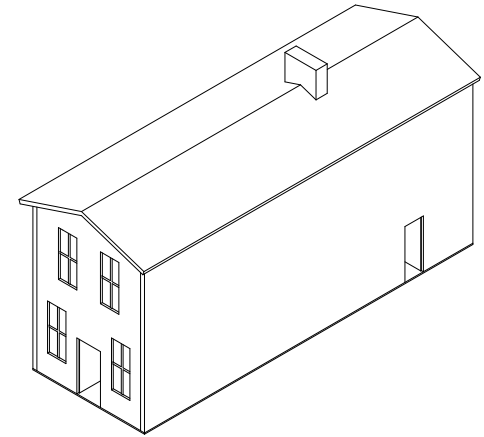
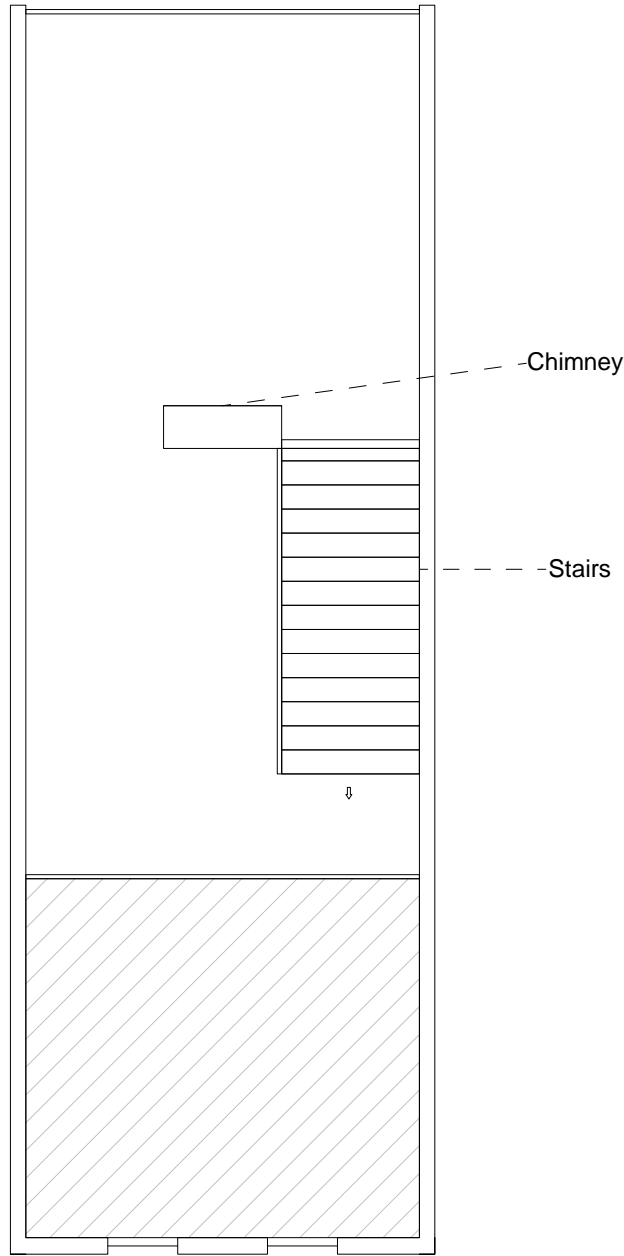
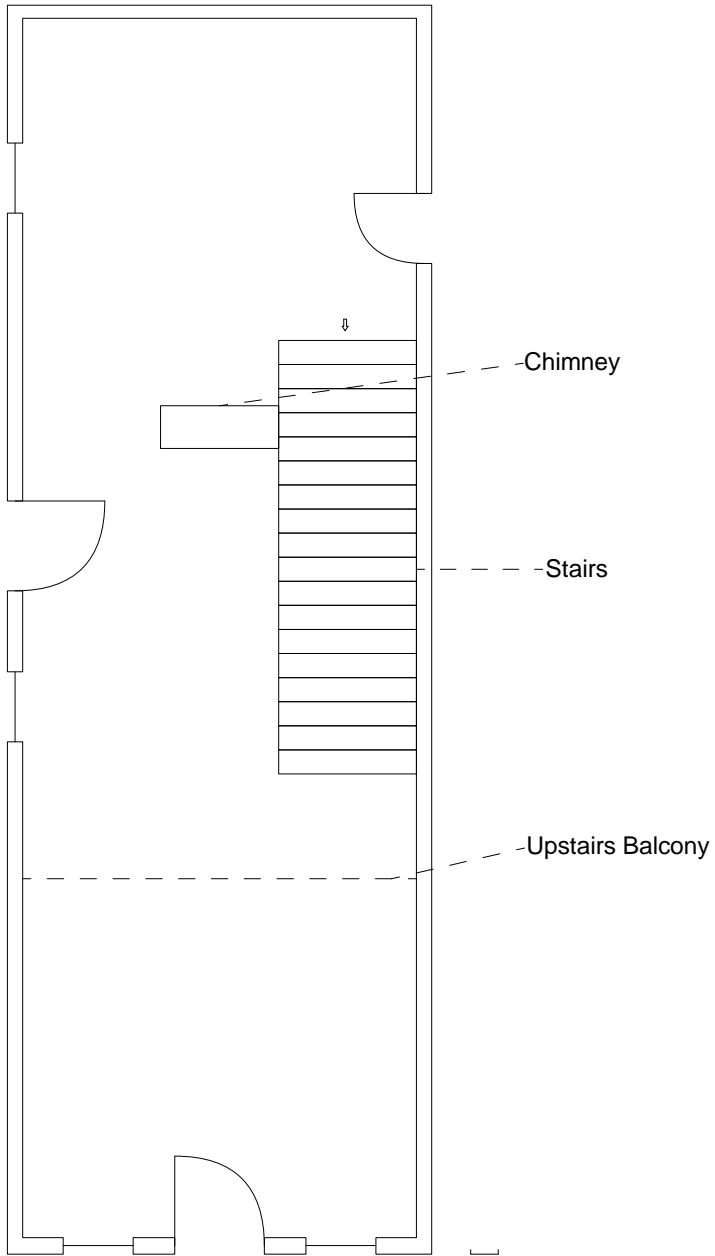




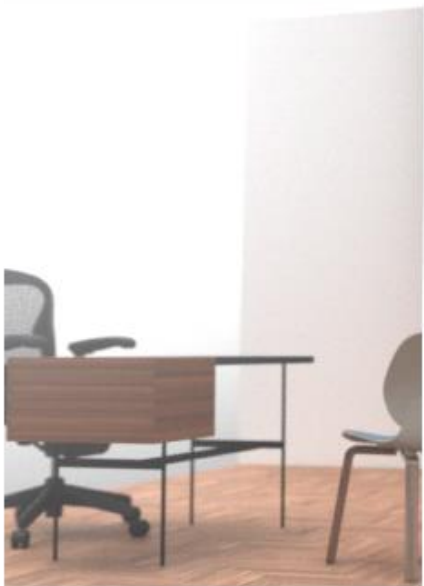
Phase 3

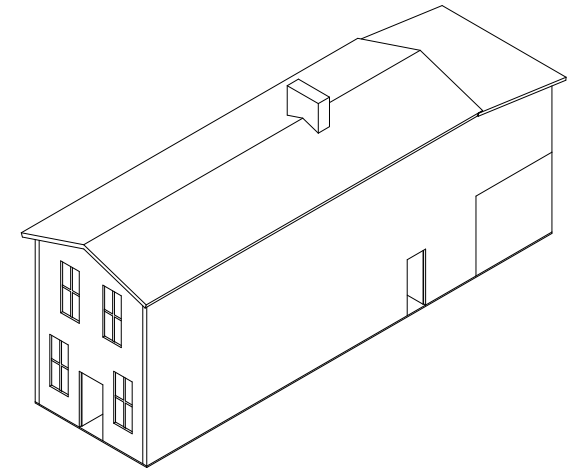
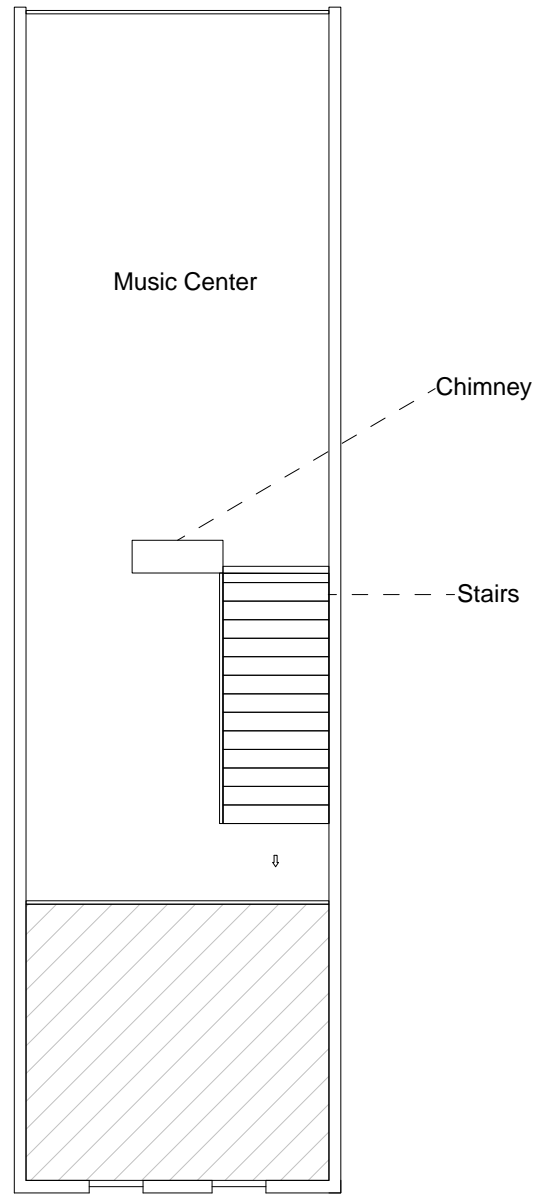
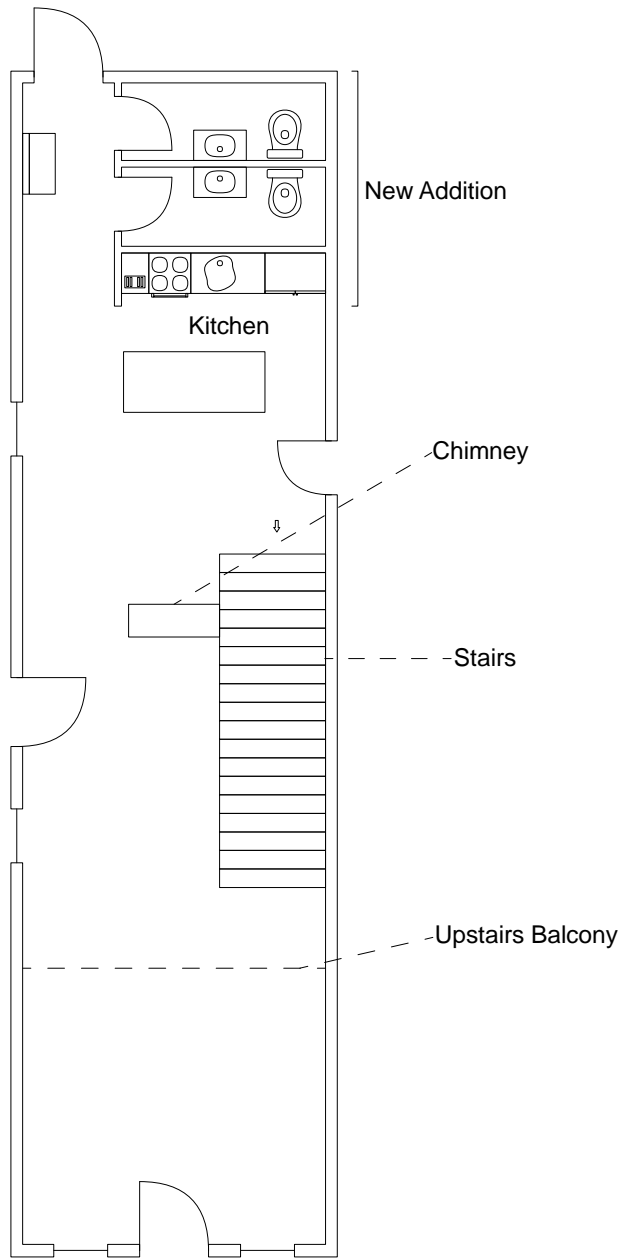






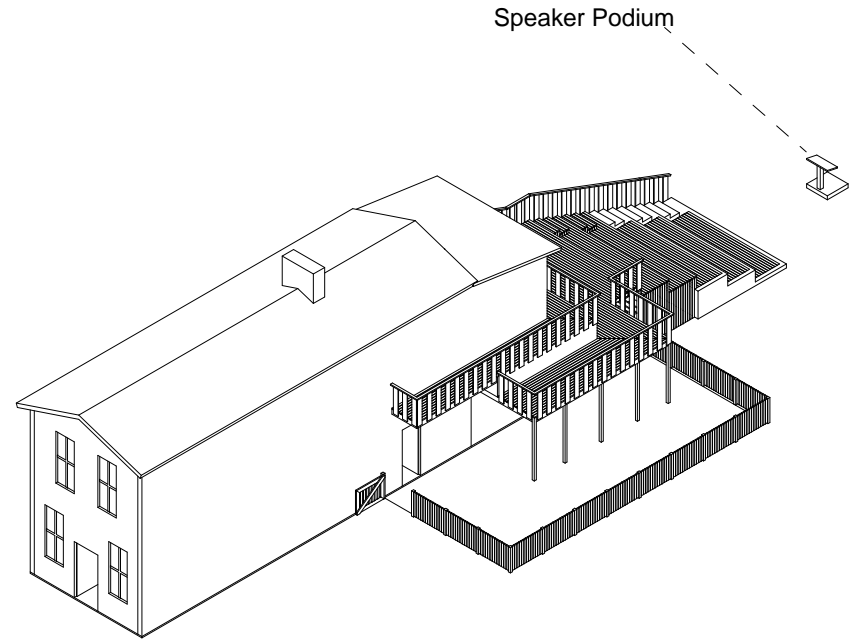
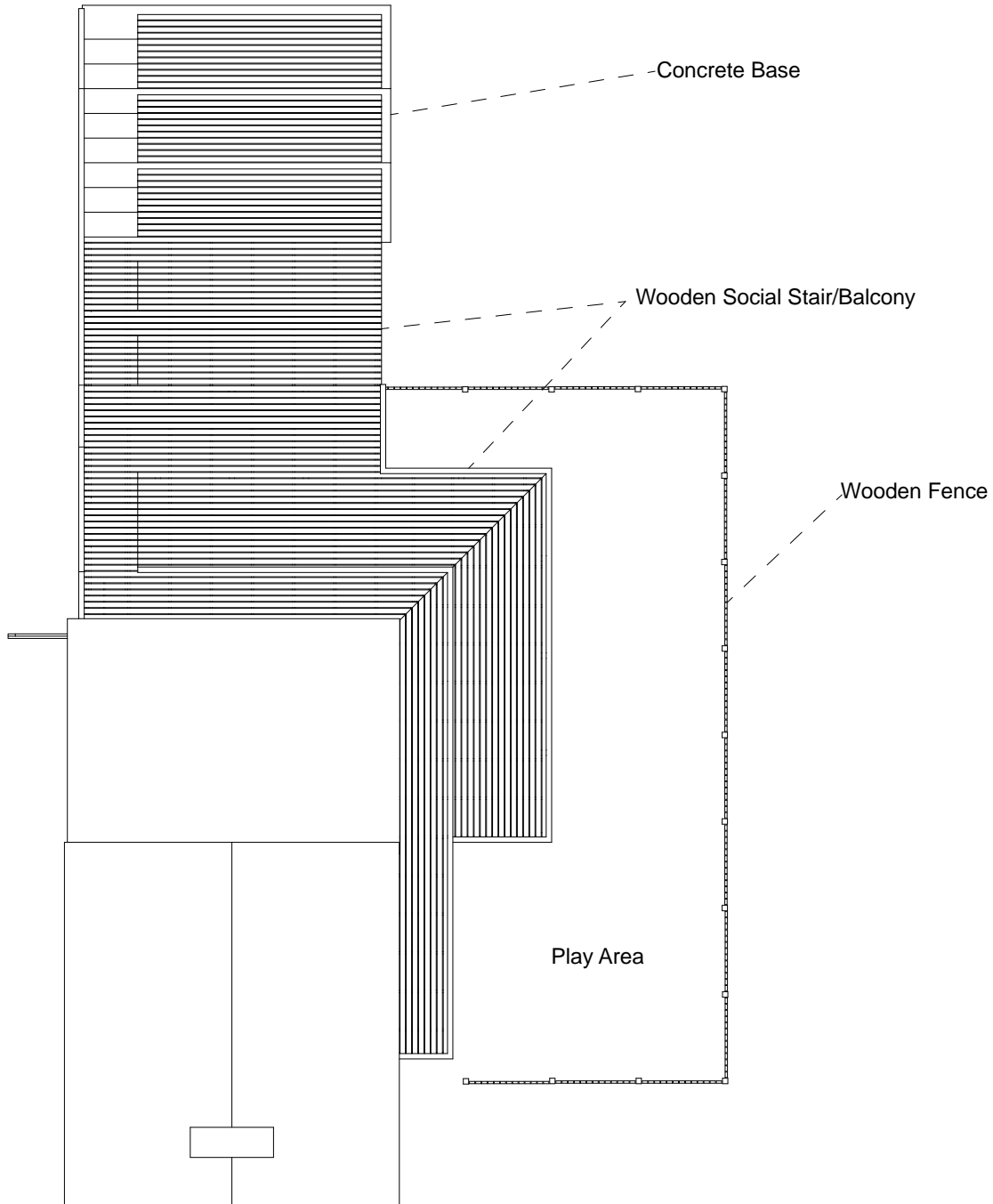
Daycare/Youth Center Phase_01





Daycare/Youth Center Phase_02



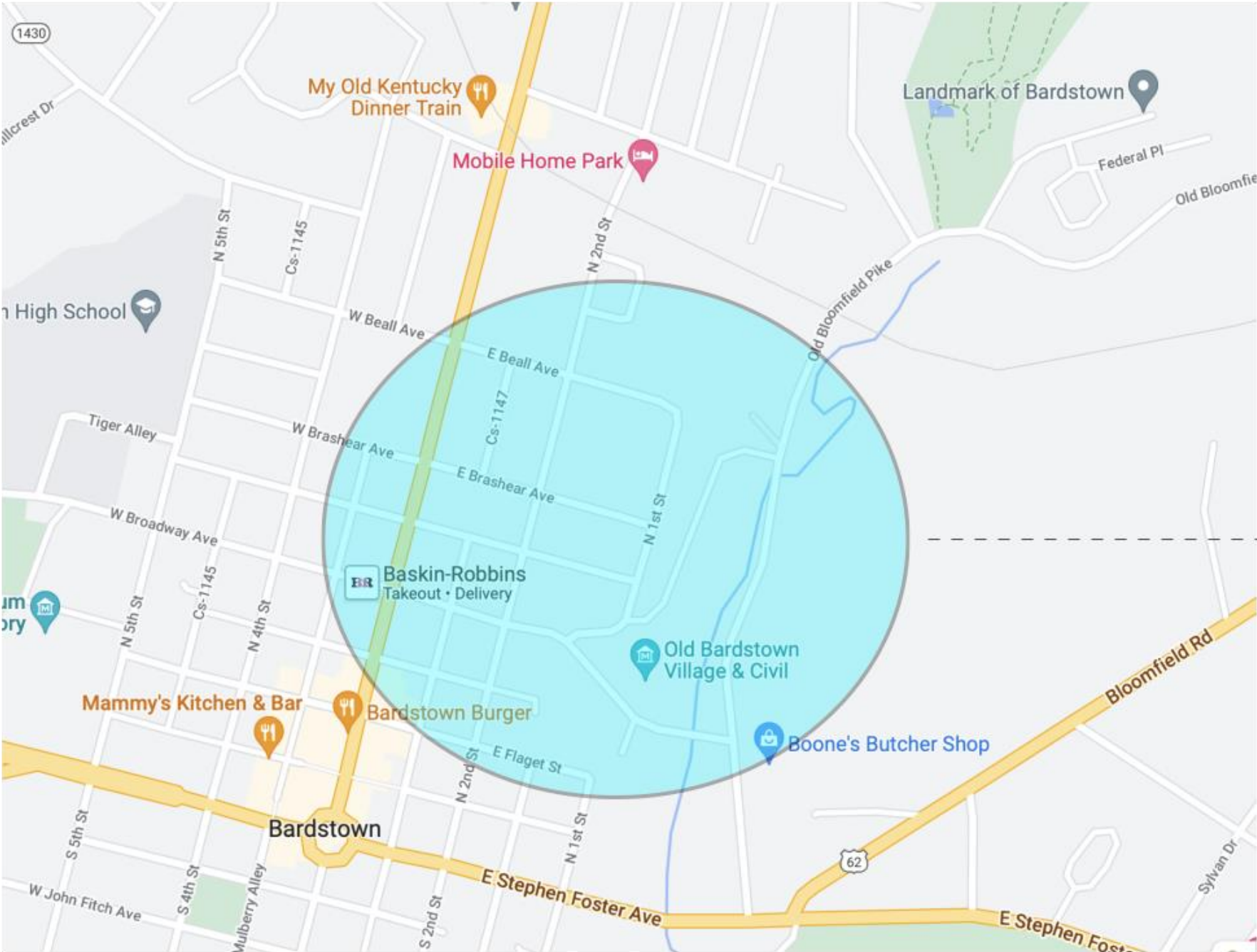


Daycare/Youth Center Phase_03





Walking Radius



5 Min Walk



Campbell Chapel

Bloomfield, KY
Rev. Harriet McElvaney



Phase 1



Renovation of Existing Addition

Phase 2



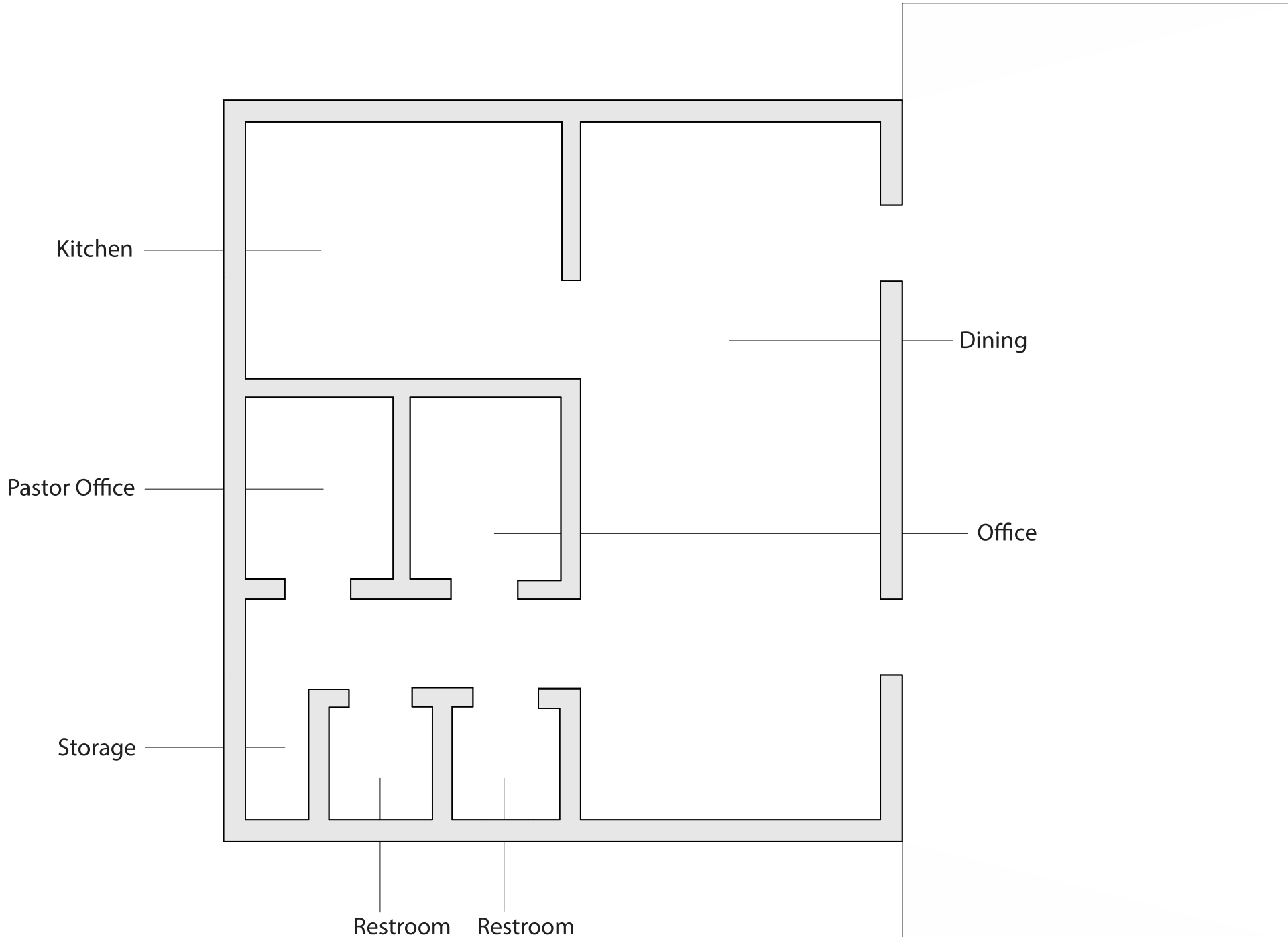
New Addition

Phase 3



New addition +
Incorporation of School House +
Outdoor Fellowship/Pavilion





Kitchen

Dining

Pastor Office

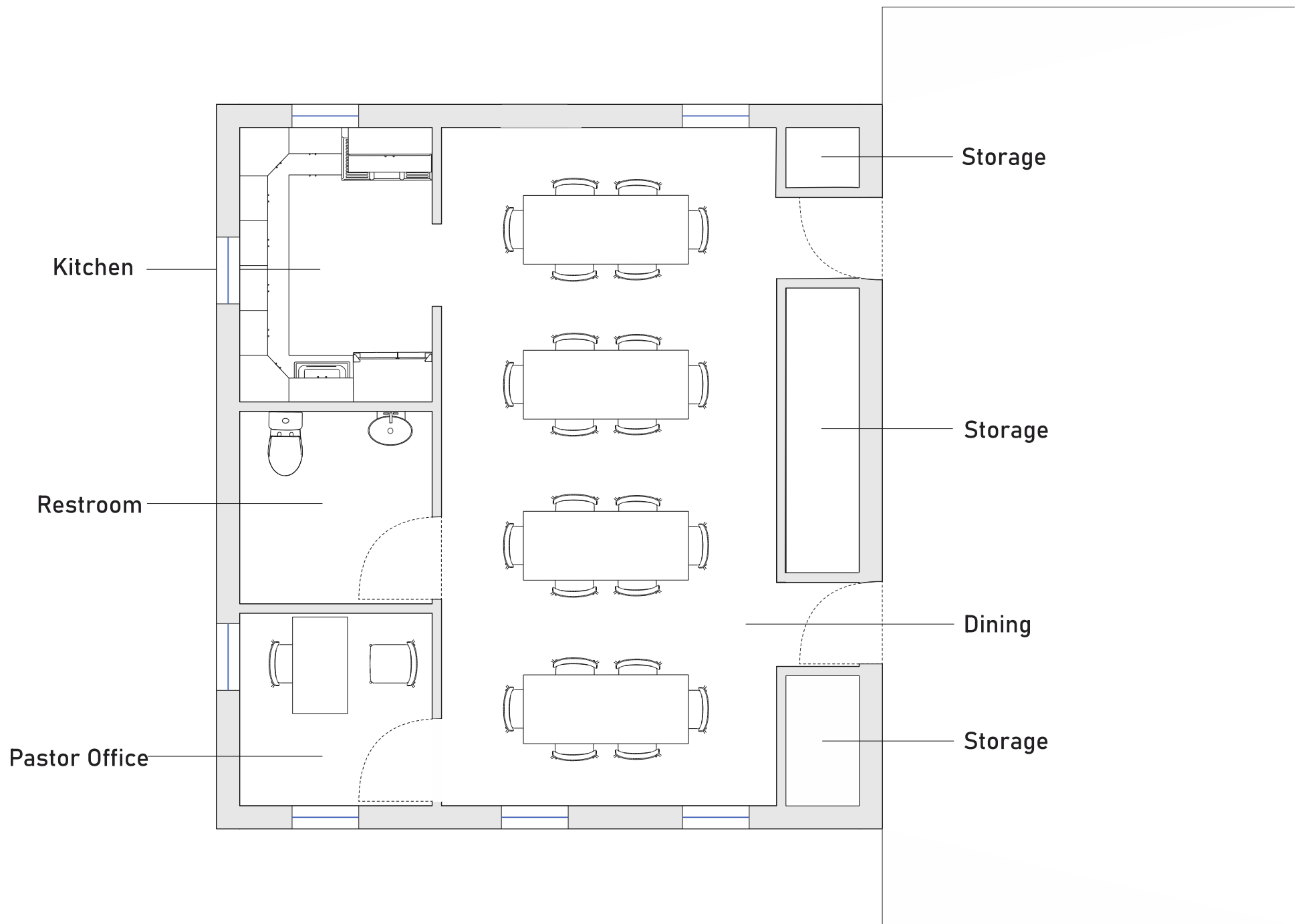
Office

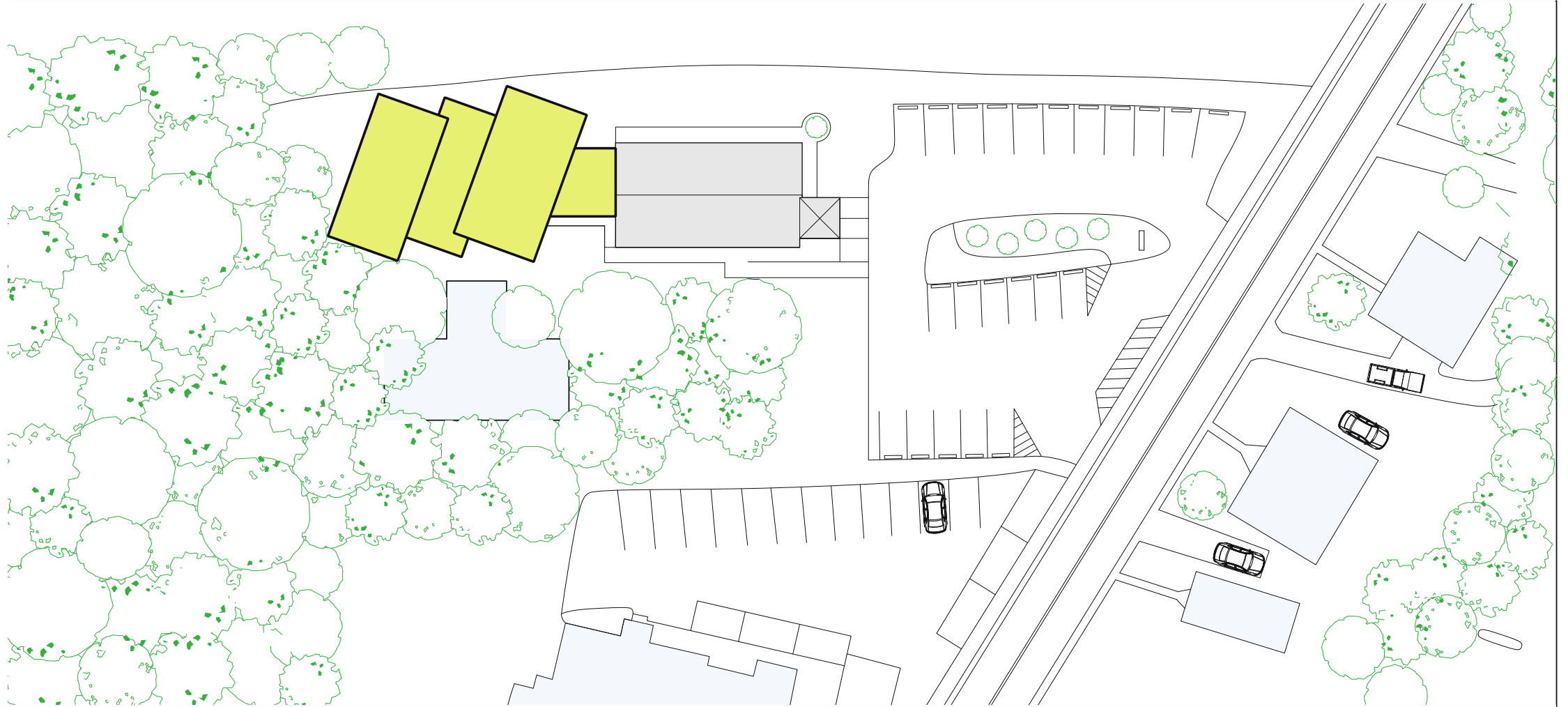
Storage

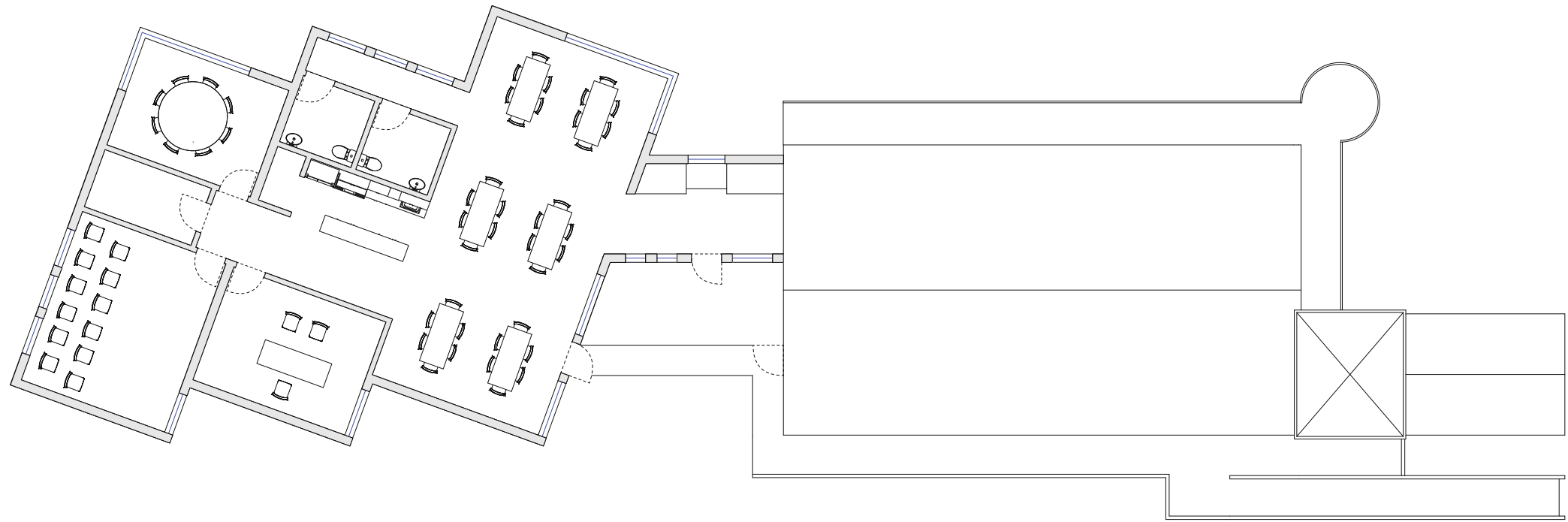
Restroom

Restroom

3'







Storage

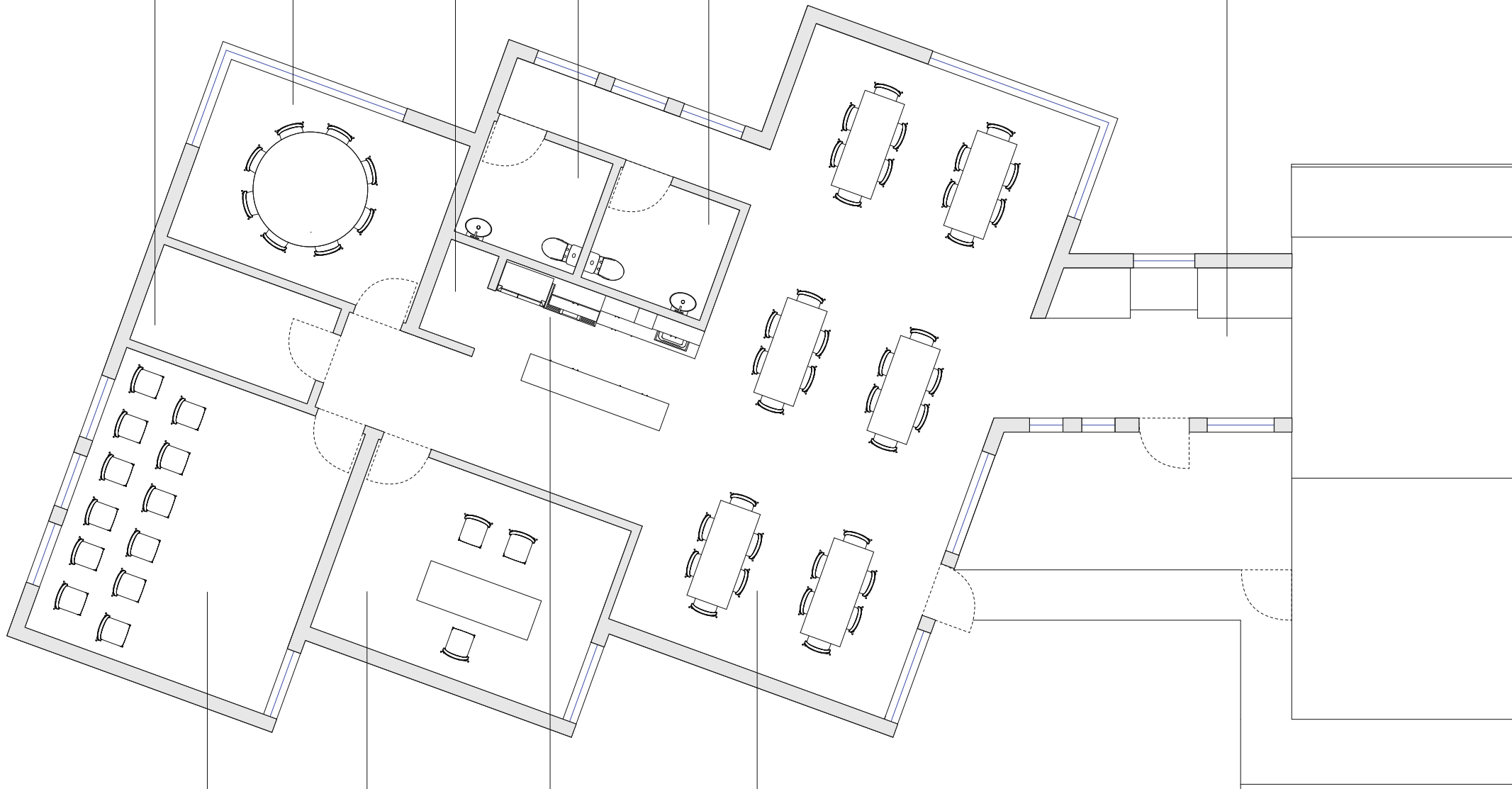
Multipurpose

Pantry

Restroom

Restroom

Entry from Sanctuary



Classroom

Pastor Office

Kitchen

Dining

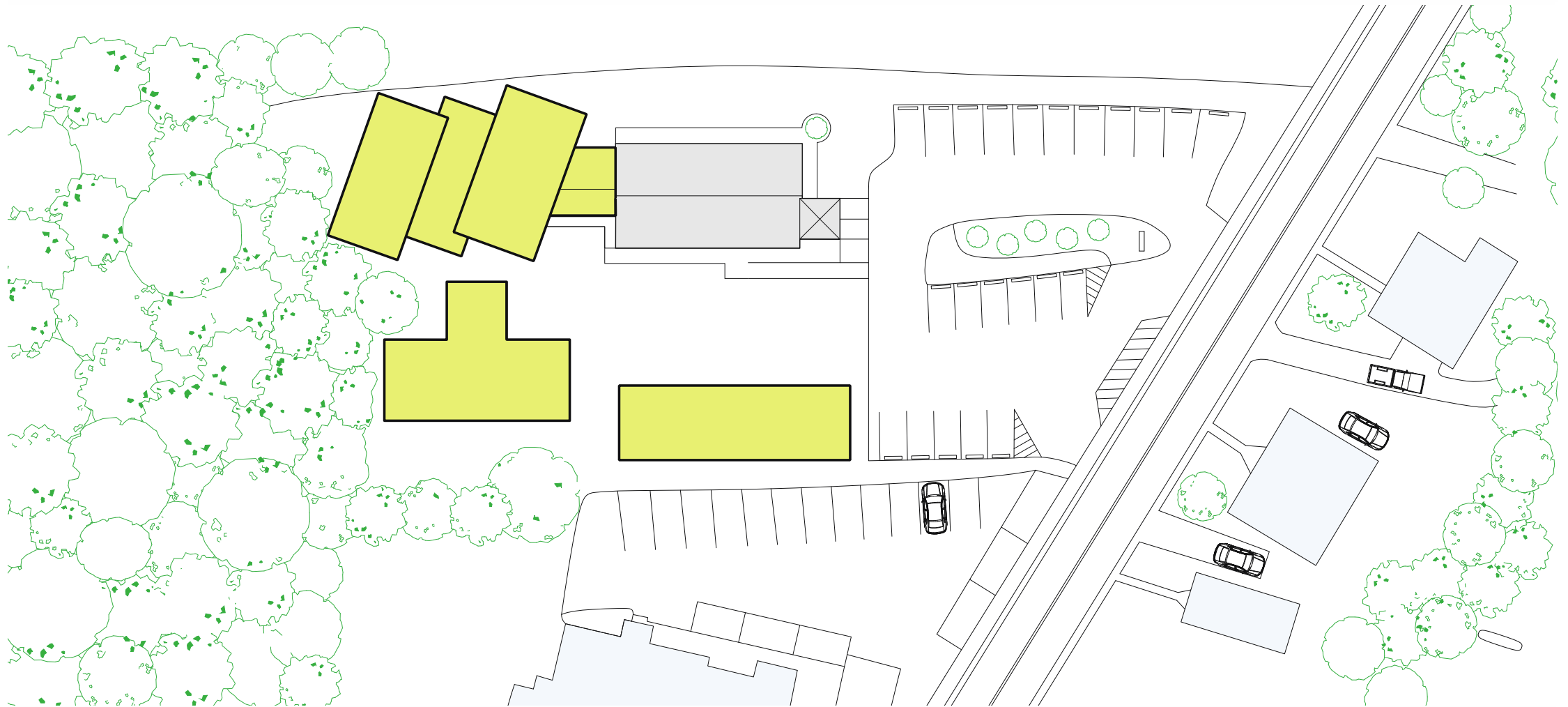


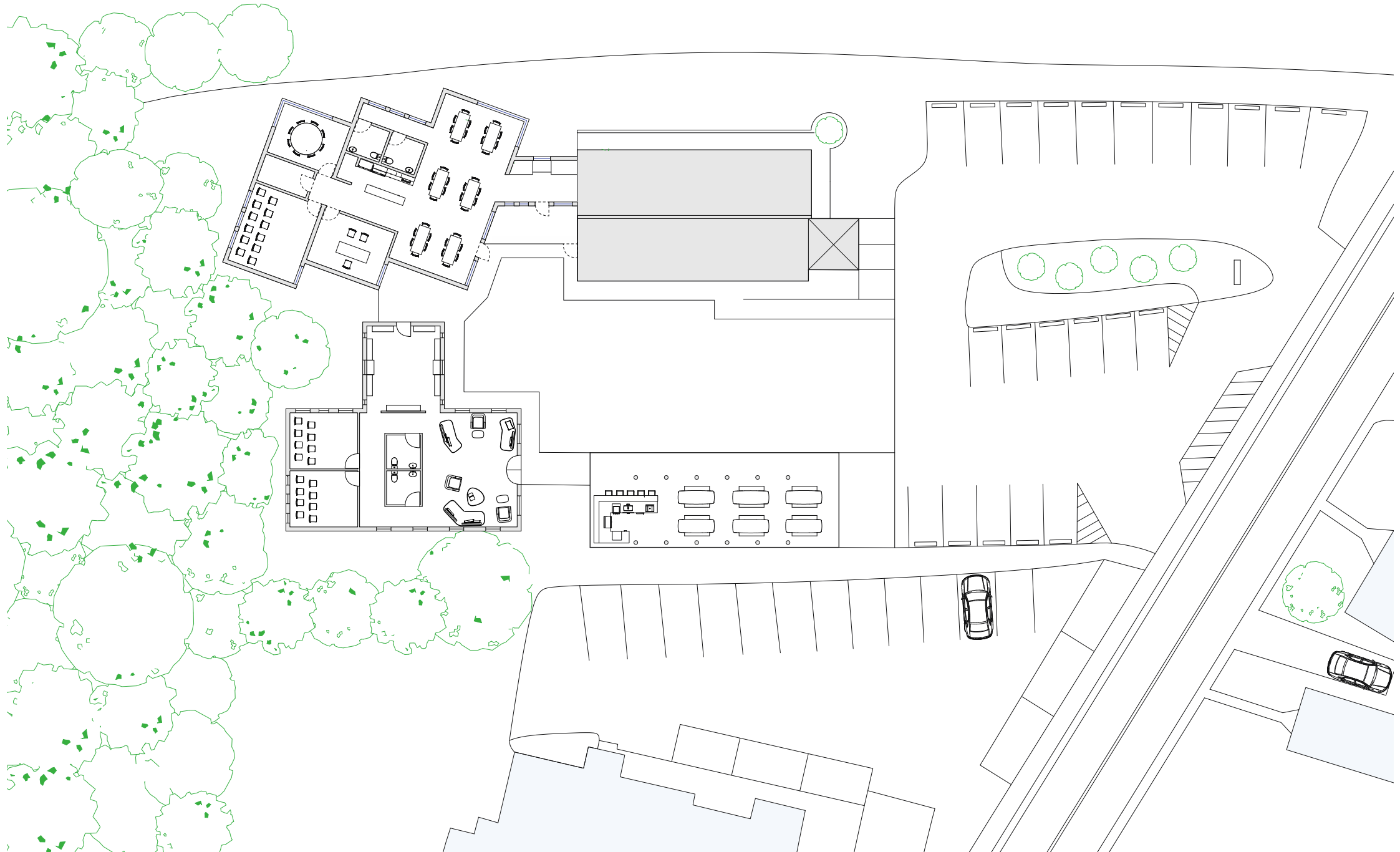


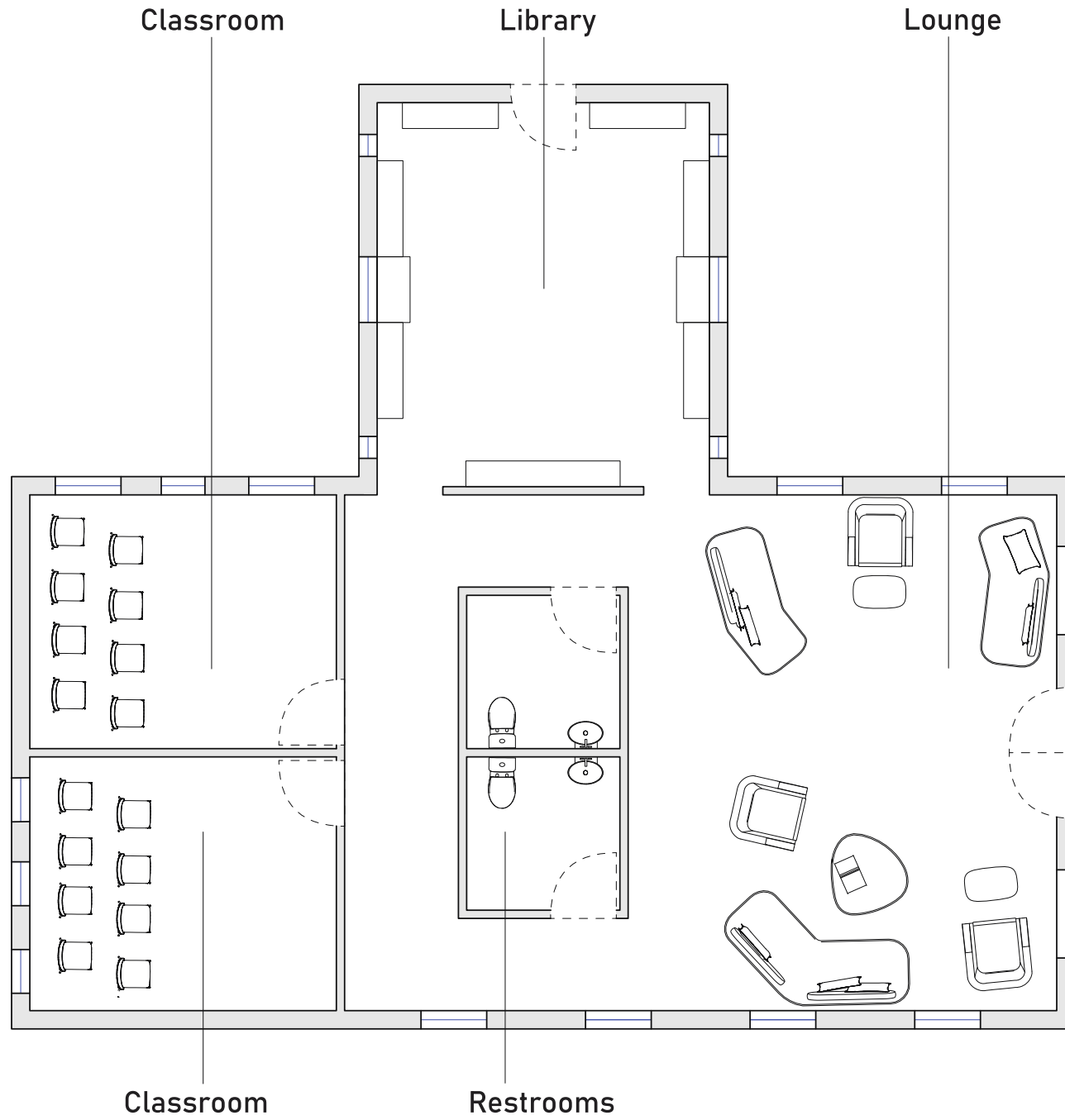


3' 6' 9' 12'









Classroom

Library

Lounge

Classroom

Restrooms

3'









WESLEY UNITED
METHODIST CHURCH

NEHEMIAH PROJECT 2022

HEATHER REEVES
JAMIE HAYDEN

TEAM MEMBERS



HEATHER REEVES

4th Year Undergrad/ Part-Time Grad



JAMIE HAYDEN

4th Year Undergraduate Student

NEHEMIAH PROJECT

Nehemiah Project is an international, non-profit humanitarian organization committed to see each city in the world revived through the rebuilding of ministry and churches that have been neglected in 35 countries around the world.

The Nehemiah Project will engage 13 primarily rural, historic Black churches (HBCs) in Kentucky, Indiana, and Ohio, plus one non-Black congregational learning partner. Each participating congregation will receive guidance and support to devise specific strategies for defining their spiritual values, connecting with their surrounding communities, and responding to congregational challenges in effective ways. Features of the Nehemiah Project will include developing influential congregational leaders, online learning modules, and assessment tools for congregations to use.

HISTORY OF WESLEY UNITED

"In 1867, Wesley was founded in the home of two former slaves, an upstart church with a big dream of becoming a church that welcomes thinking people who were not actively involved in a church. These 152 years have been an amazing journey with thousands of people finding greater hope, purpose and meaning here in their lives. And, they have found that a church like this can quickly become a great place for personal connections and relationships that will last a lifetime.

The life of our church is guided by the following statements:

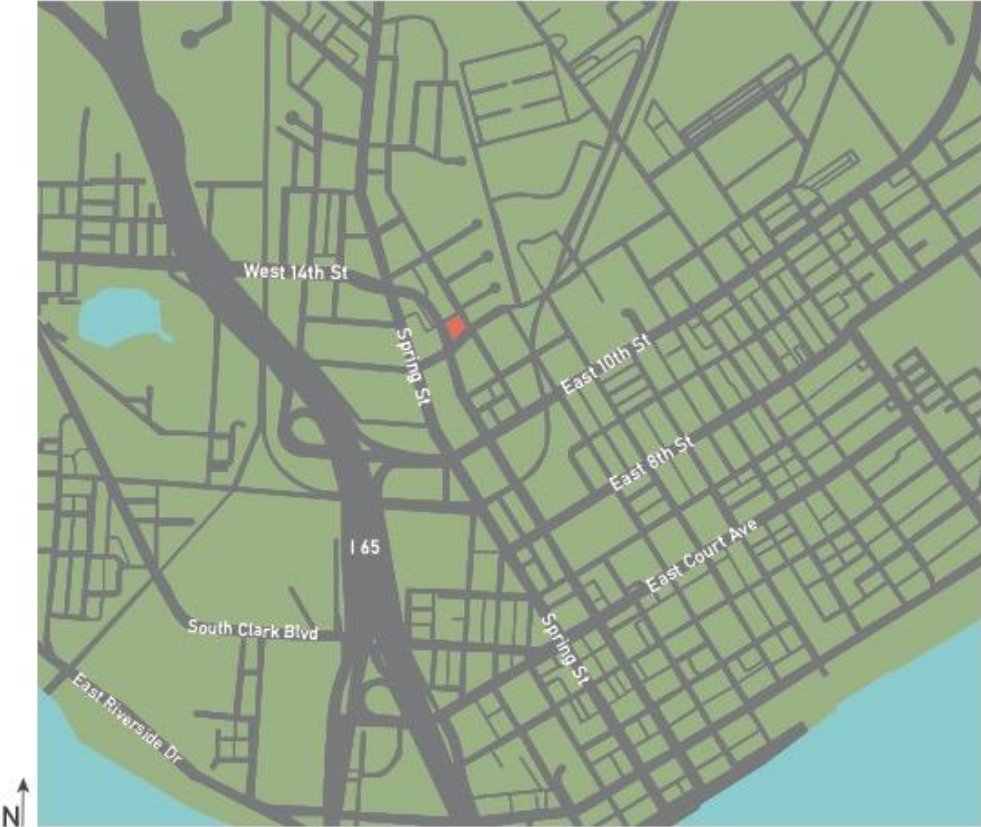
Our Purpose is to build a Christian community of unity where non-religious and nominally religious people are becoming deeply committed Christians.

Our Journey is to know, love and serve God.

Our Vision is to become spiritually formed as a community of Christians seeking to win souls and make disciples."



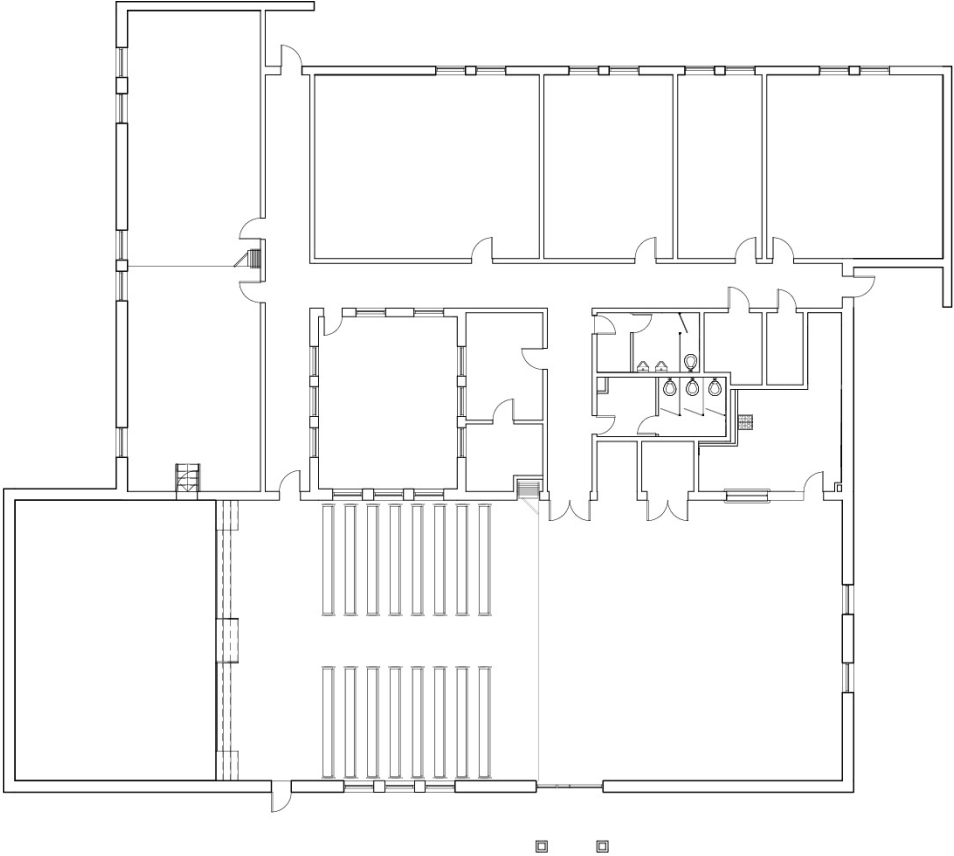
SITE ANALYSIS



1201 Thomas V. Bryant Drive
Jeffersonville, IN 47130



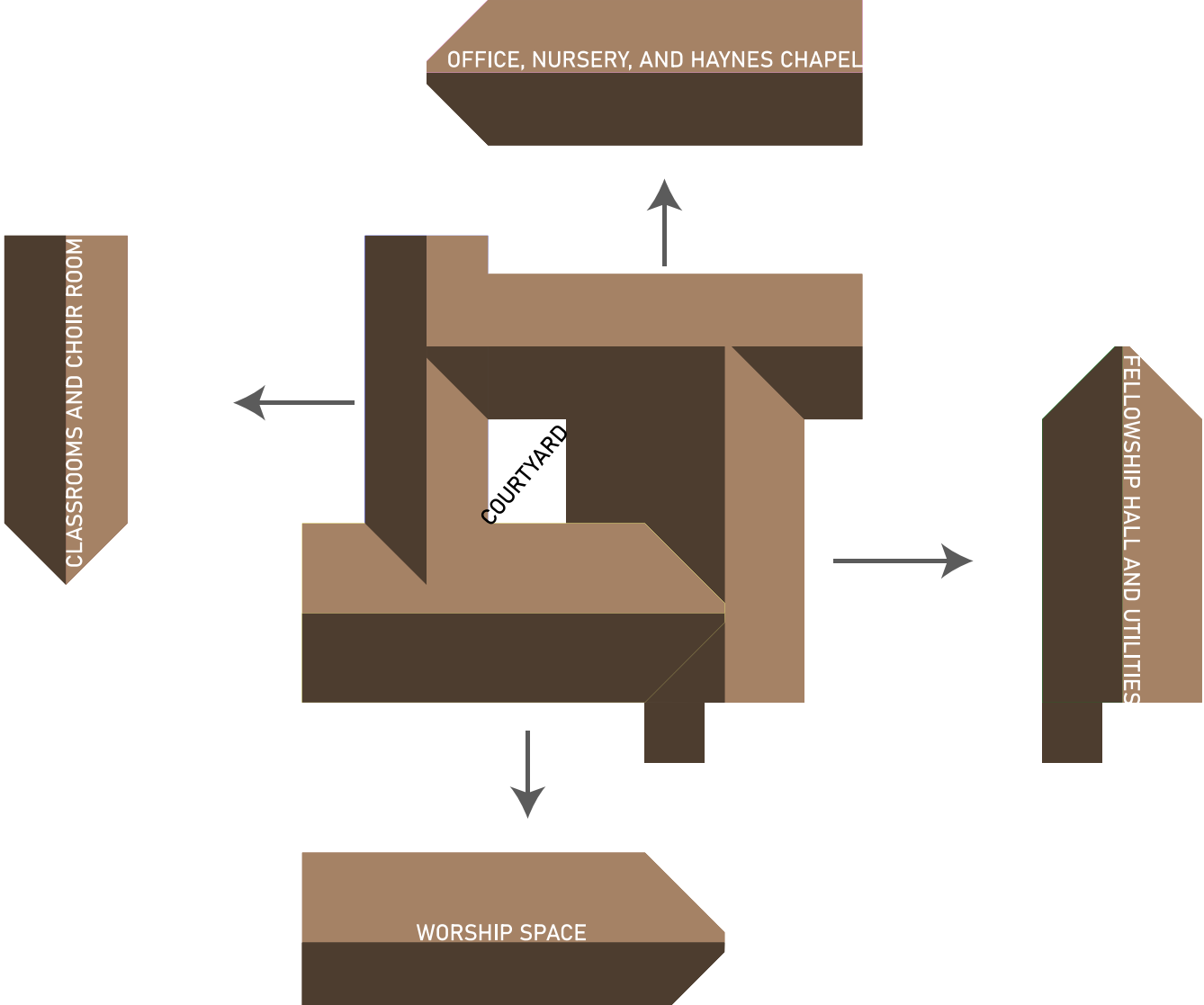
CURRENT BUILDING



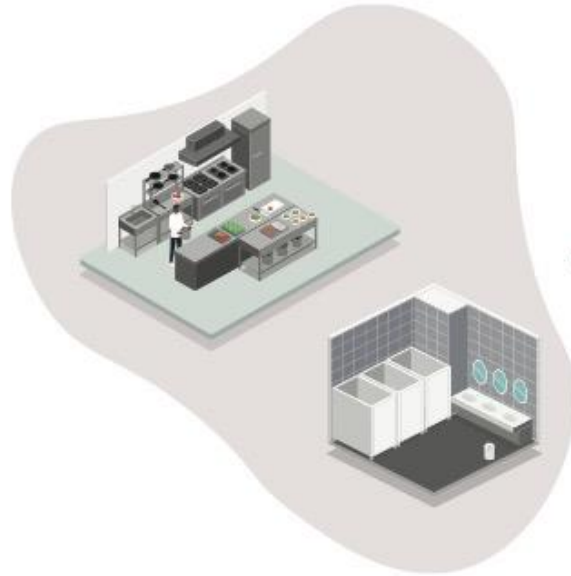
CHURCHS CURRENT NEEDS

- Mens and Womens restrooms need to be updated to be ADA (Americans with Disabilities).
- Kitchen needs to be upgraded and reconfigured to better serve the church.
- Front entrance needs to be renovated.
- More space in the fellowship hall to accomodate larger groups (weddings, funerals, etc.,).
- Improving the space for the Mission Possible kids program.
- Help bring back/improve outreach programs (ex: Fresh Stop Market).
- Transform inner courtyard into a useable space.

CONCEPT DIAGRAM



PHASE 1,2,3 DIAGRAM



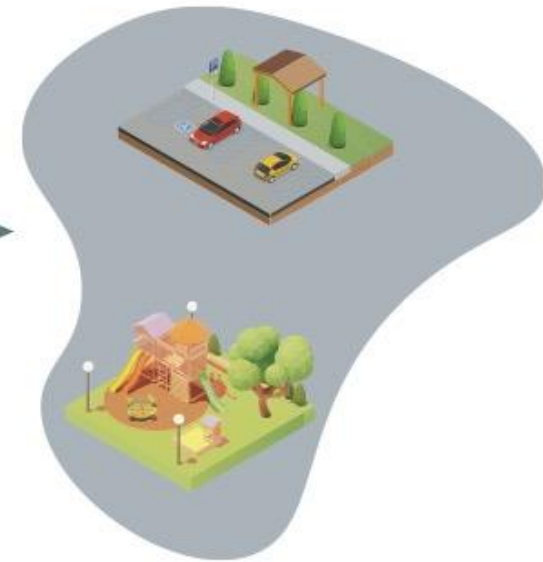
PHASE 1

BATHROOMS AND KITCHEN NEED TO BE RENOVATED. BATHROOMS NEED TO MEET ADA REQUIREMENTS



PHASE 2

RENOVATION OF THE FRONT ENTRANCE AS WELL AS AN ADDITION TO THE FELLOWSHIP HALL. THE INNER COURTYARD WILL ALSO BE GETTING RENOVATED TO MAKE IT USEABLE

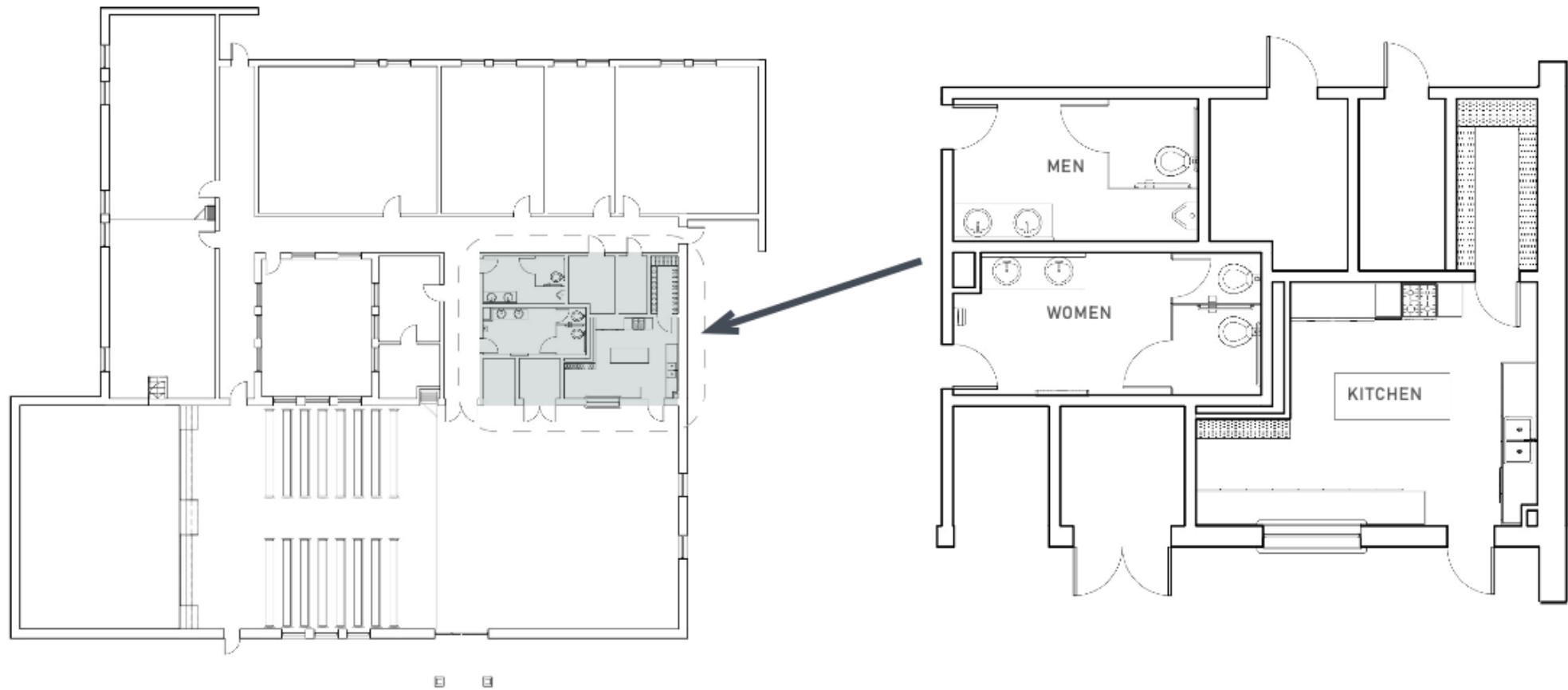


PHASE 3

DESIGNING A PLAY AREA FOR CHILDREN TO HELP GROW THE CHILDRENS MINISTRY. PARKING LOT BEING RECONFIGURED TO ALLOW FOR A FARMERS MARKET PAVILLION.

PHASE 1

BATHROOMS AND KITCHEN



PHOTOS OF EXISITING BATHROOMS AND KITCHEN



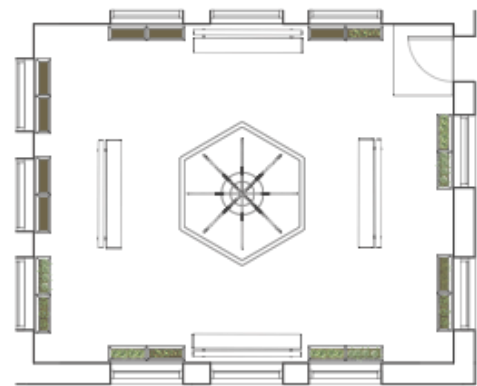
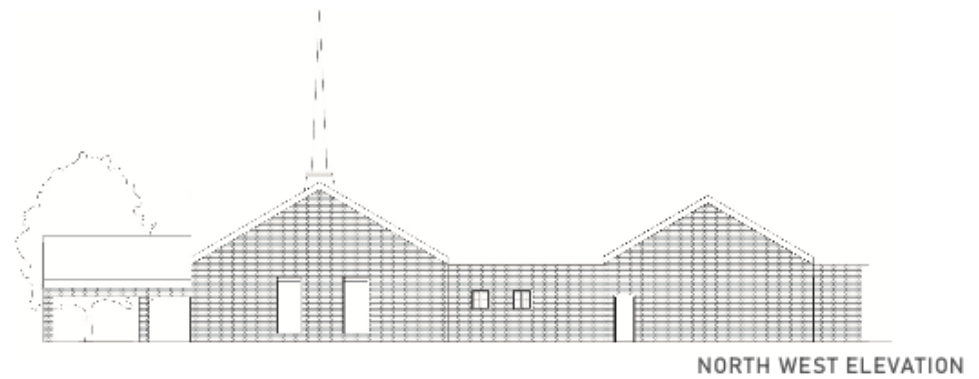
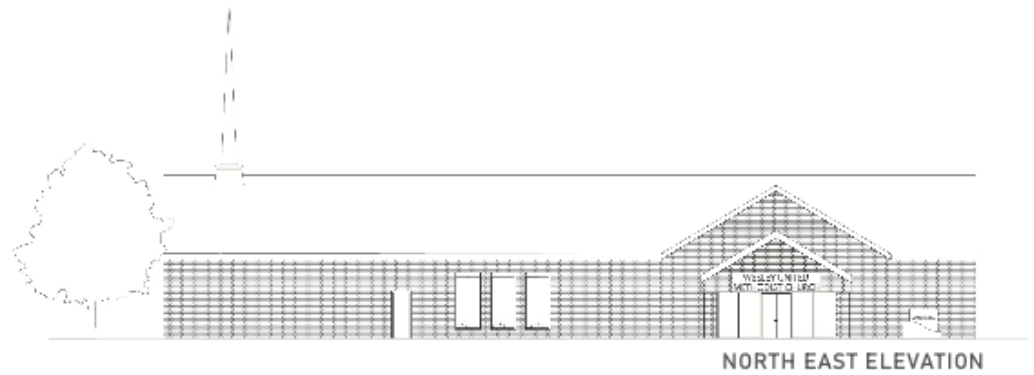
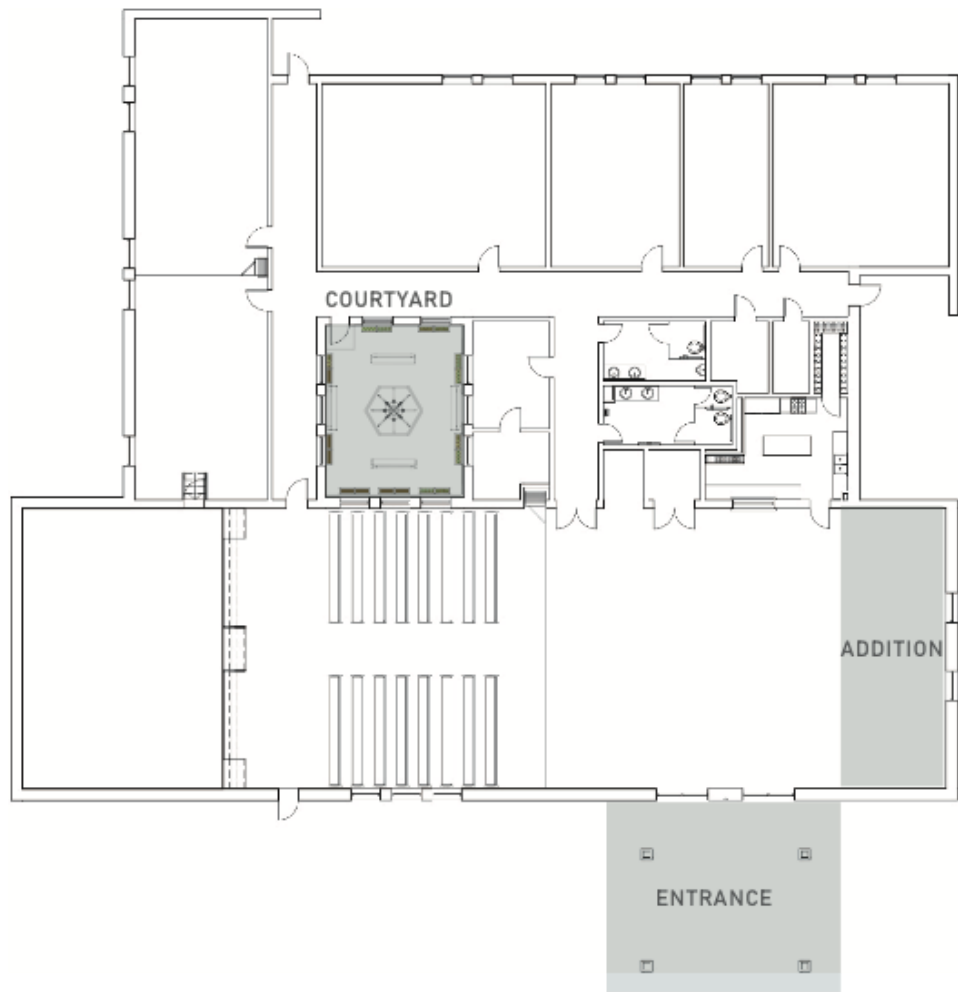
PHASE 1 RENDERS





PHASE 2

ADDITION, COURTYARD, AND ENTRANCE RENOVATION



INTERIOR COURTYARD PLAN

PHOTOS OF EXISITING

COURTYARD AND ENTRANCE



PHASE 2 RENDERS



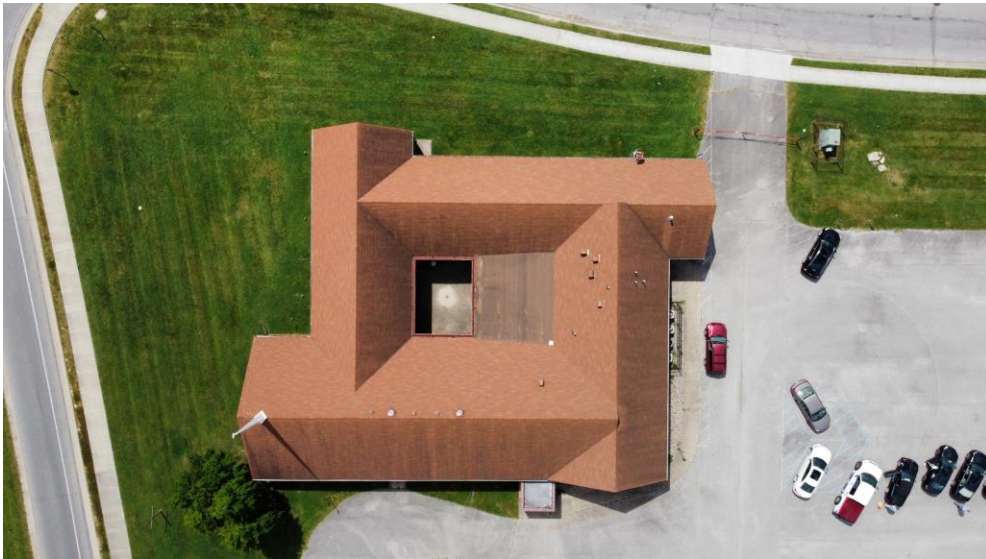


PHASE 3

LANDSCAPE: PARKING LOT AND PLAYGROUND



PHOTOS OF EXISITING LANDSCAPE AND PARKING LOT



PHASE 3 RENDERS







LUMION




Lampkins Chapel CME Church

BEREE MEMORIAL
C.M.E. CHURCH
DEDICATED 1949
REV. E.M. WHITE P.C.
TRUSTEES
W.D. HARRIS
R.D. HARRIS

LAMPKINS CHAPEL
C.M.E. CHURCH
REV. W.L. LAMKIN, P.C.
TRUSTEES

BEREE MEMORIAL C.M.E. CHURCH
APRIL 27, 1958
TRUSTEE BOARD
T.N. FRANK, CHM. B. ROUSE
W.D. HARRIS, TRS. W.L. LAMKIN
R.D. HARRIS, TRS. C.D. LINDSEY
R.D. HARRIS, TRS.



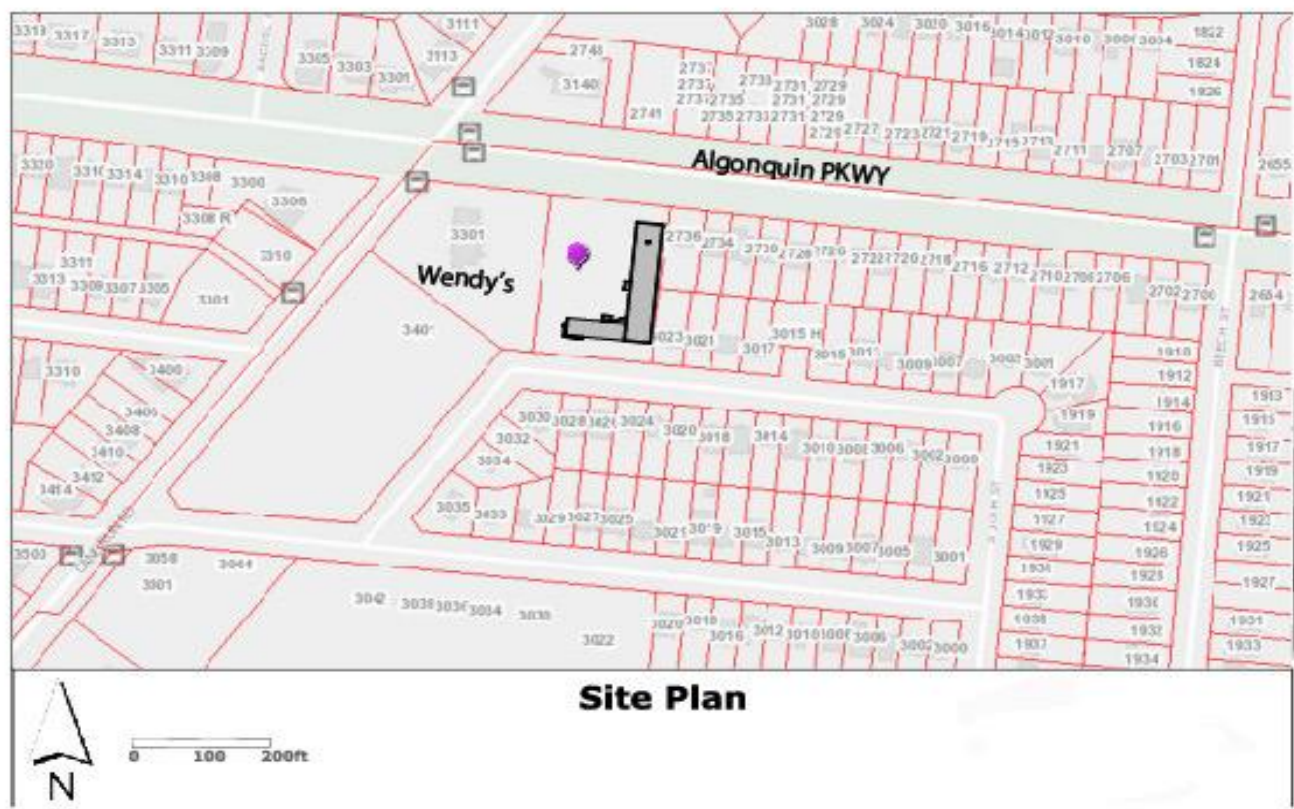
The Nehemiah Project

- Nehemiah Project helps to build communities by constructing churches, schools, houses, and hospitals. Our projects provide places to build up the body of Christ, education opportunities to help deliver the gospel, facilities for physical and spiritual healing.

Current Design



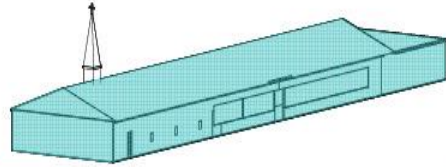
Planned Site







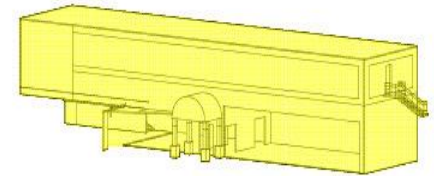
Concept Diagram



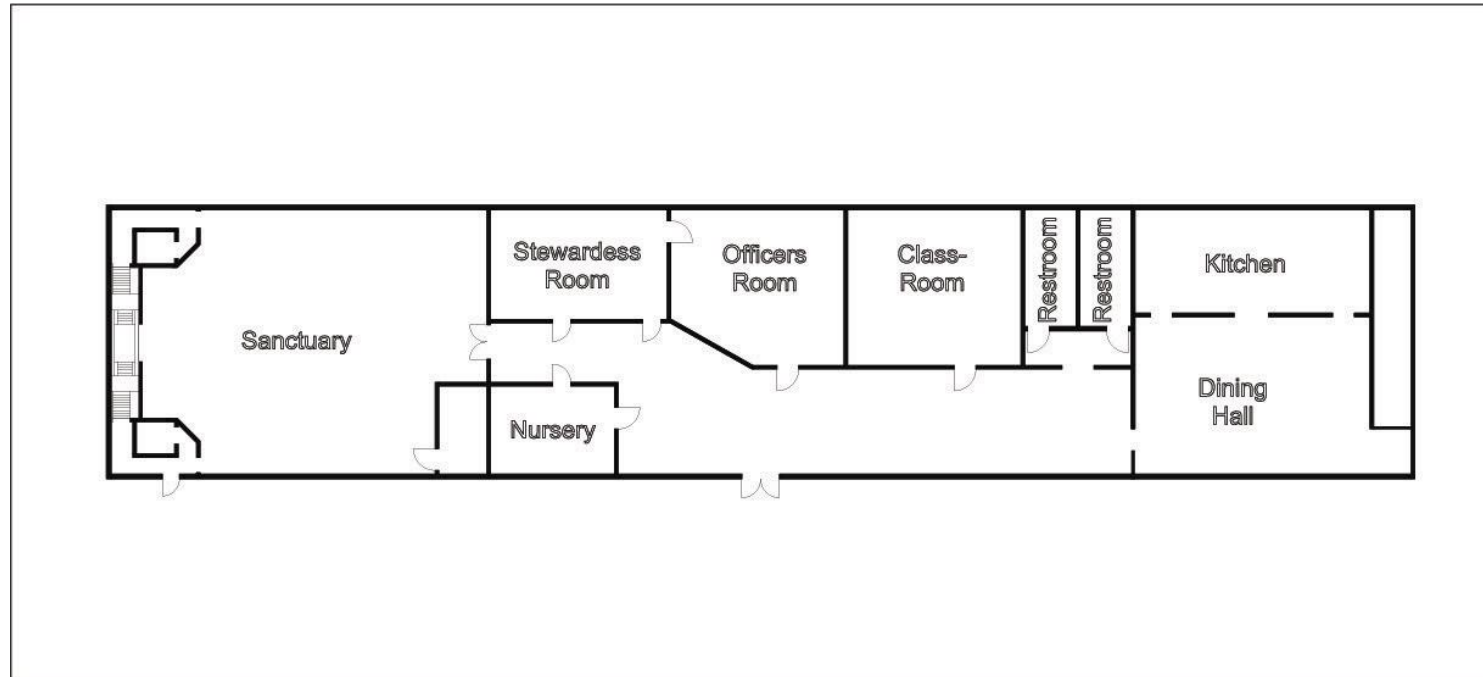
Phase 1



Phase 2



Phase 3



- Expanded Kitchen/Dining Hall
- Extra Classroom
- Nursery
- Larger Stewardess Room
- Sound/Recording room

Phase1





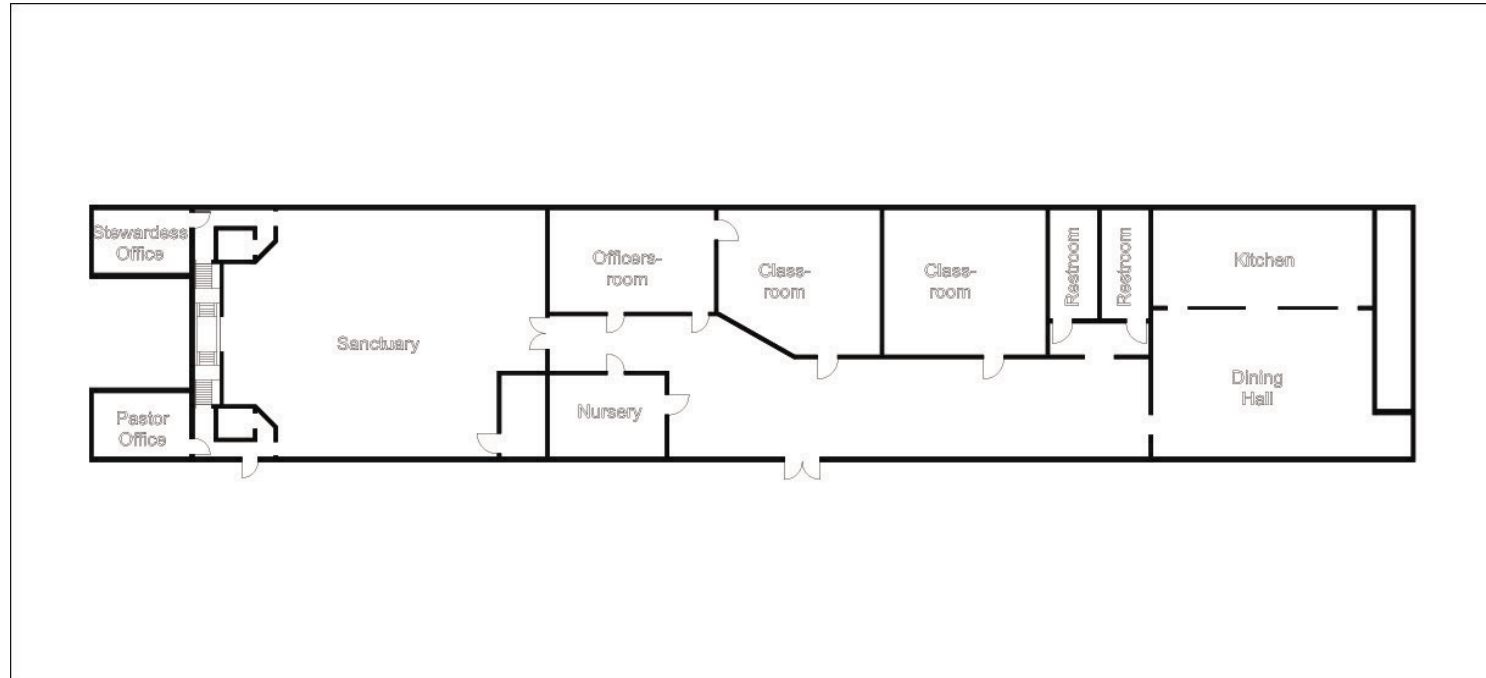










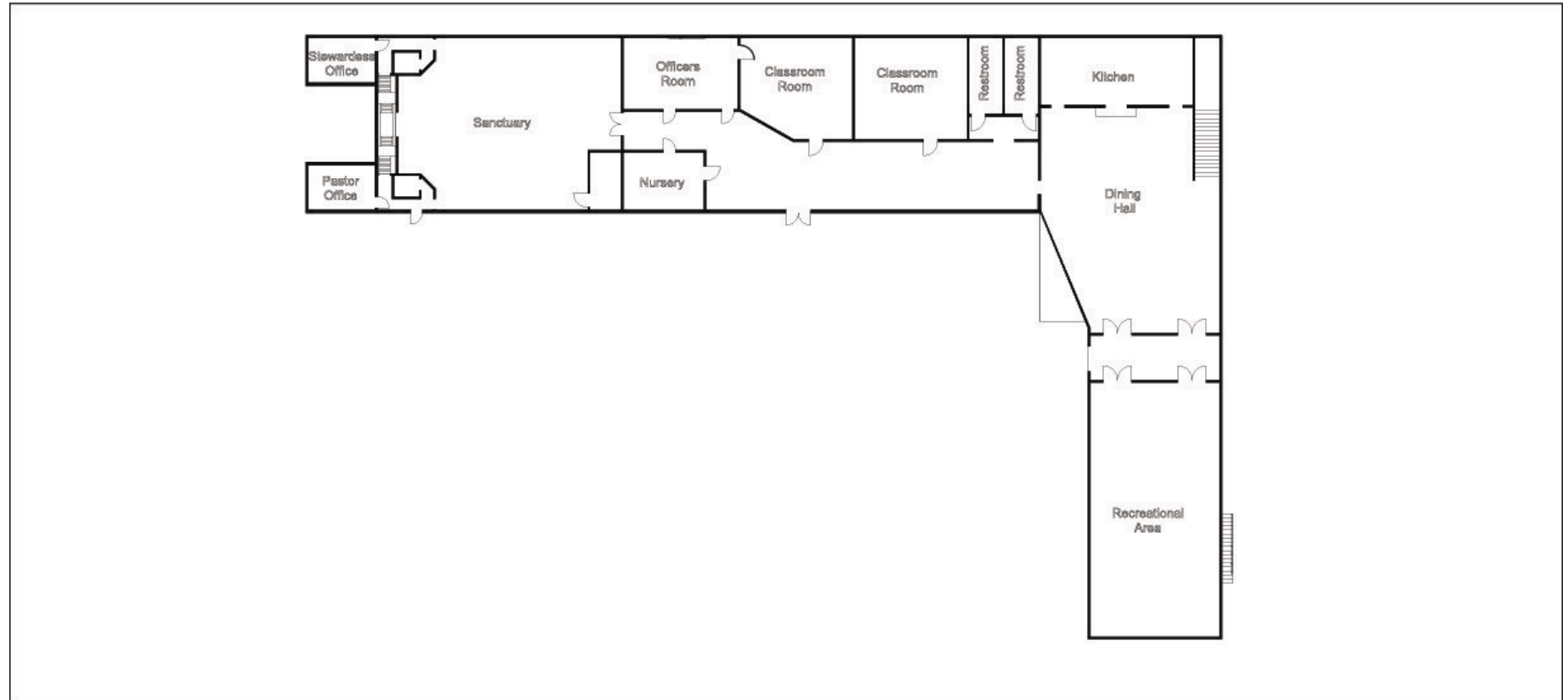


- Stewardess and Pastor Office Expansion
- Walkway added

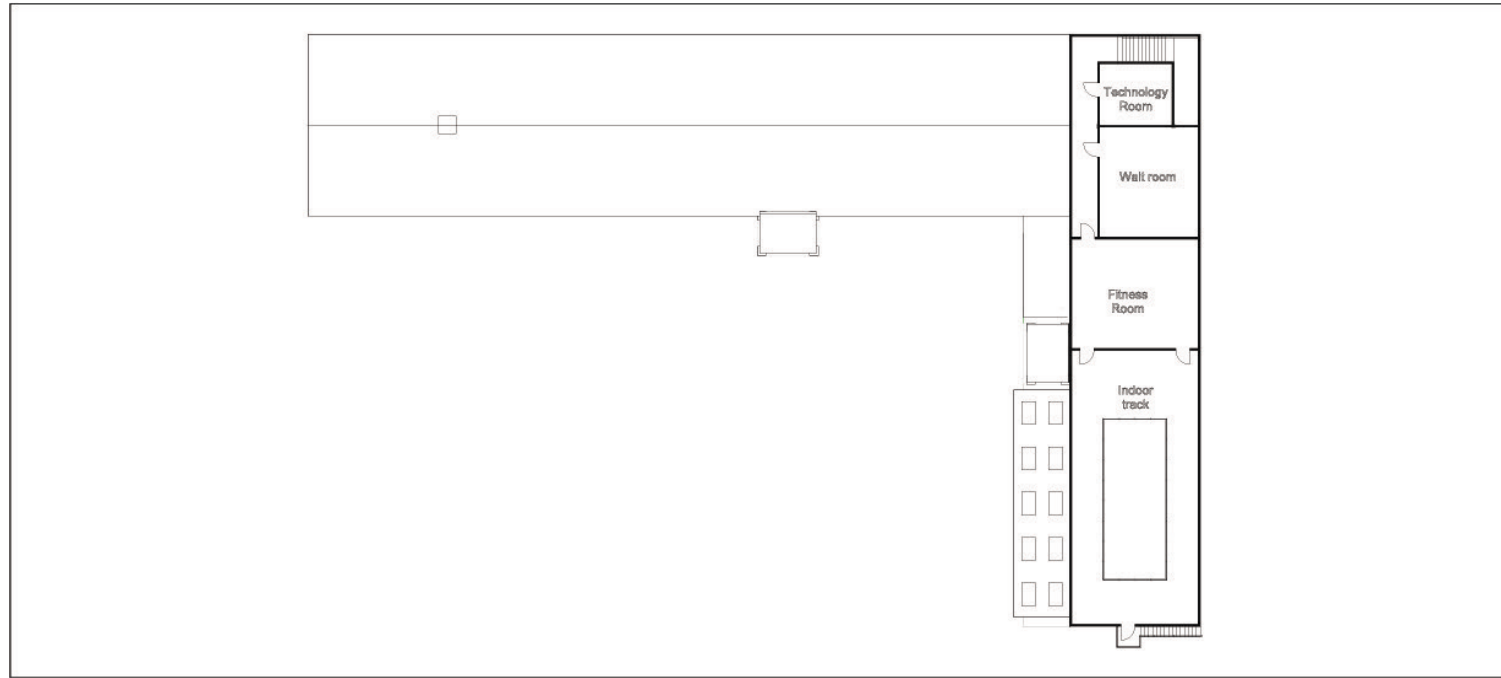
Phase 2



- Recreational Facility added
- Second Floor Created
- Added Stairs
- Technology room added
- Indoor track
- Waiting Room
- Exercise Room



Phase 3 (1st Floor)



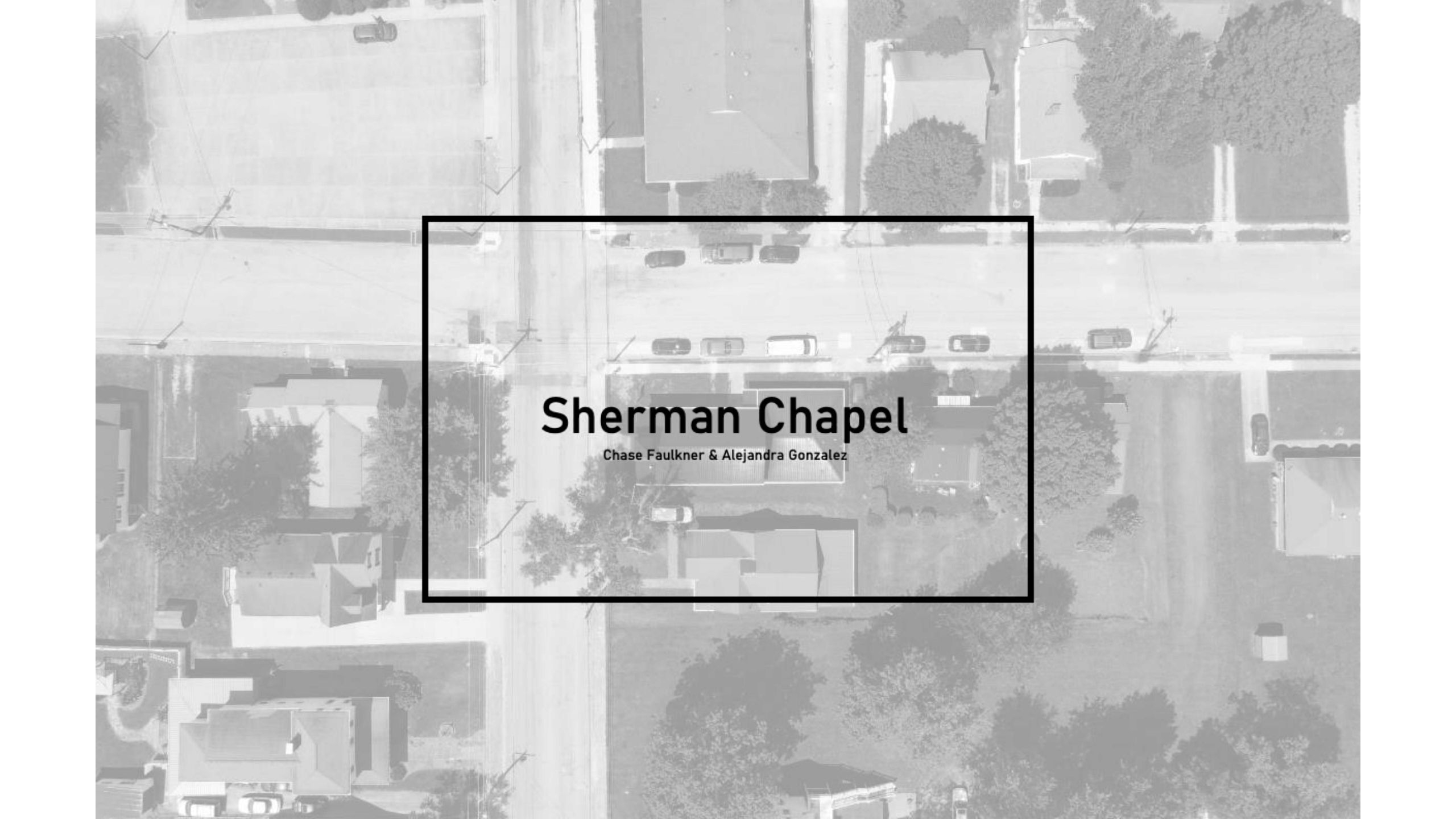
Phase 3 (2nd Floor)









An aerial photograph of a residential neighborhood. A central area, including a street and several houses, is enclosed in a black rectangular border. The text 'Sherman Chapel' is overlaid on this central area.

Sherman Chapel

Chase Faulkner & Alejandra Gonzalez

SHERMAN CHAPEL

LEBANON KENTUCKY

Chase Faulkner + Alejandra Gonzalez

01 CONSERVATIVE
SHERMAN CHAPEL



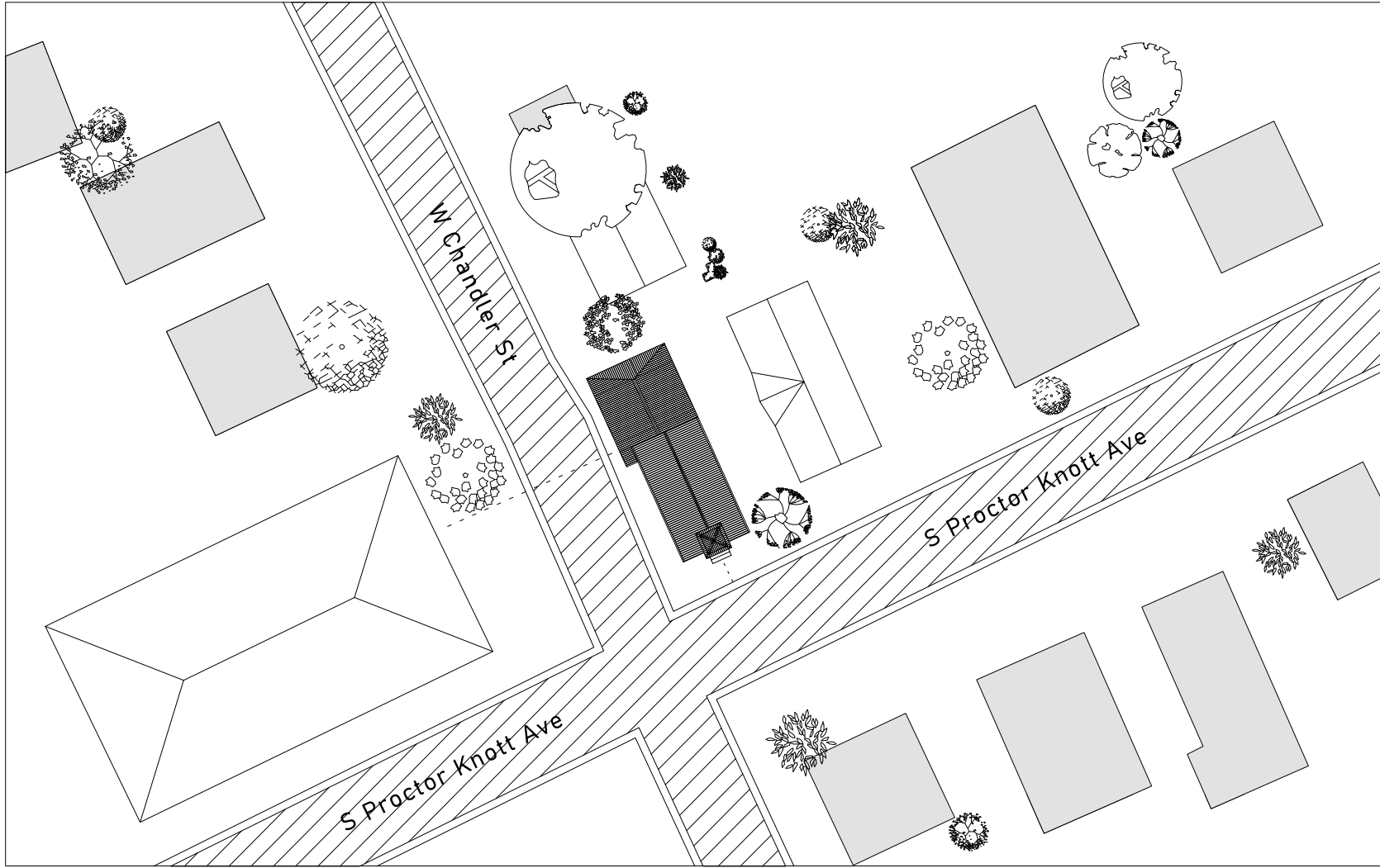
02 HYPHEN
SHERMAN CHAPEL



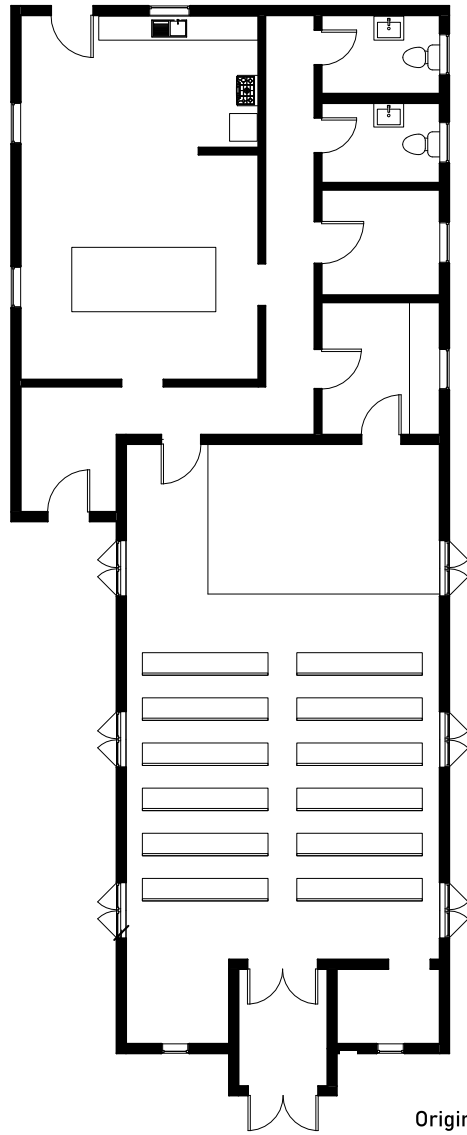
03 ENVELOPE
SHERMAN CHAPEL



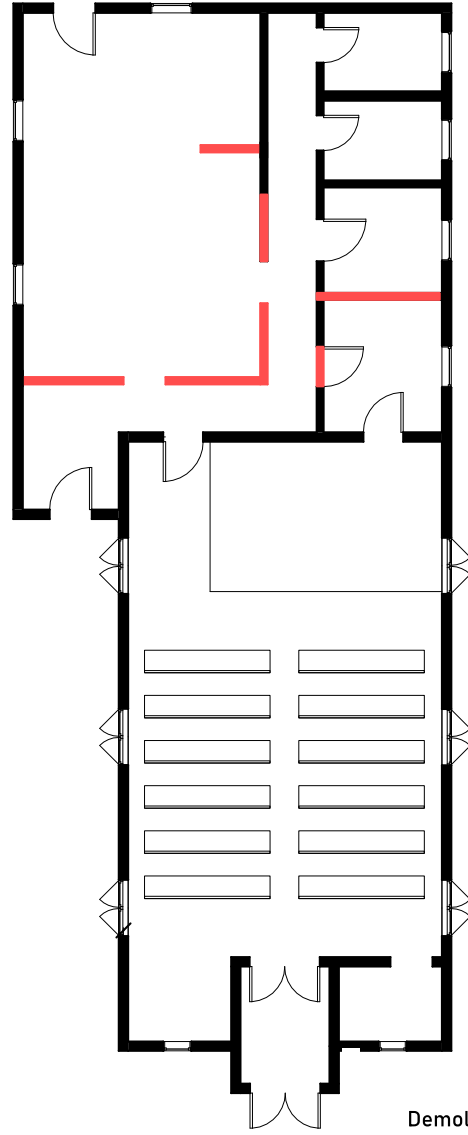
37.5698° N, 85.2527° W



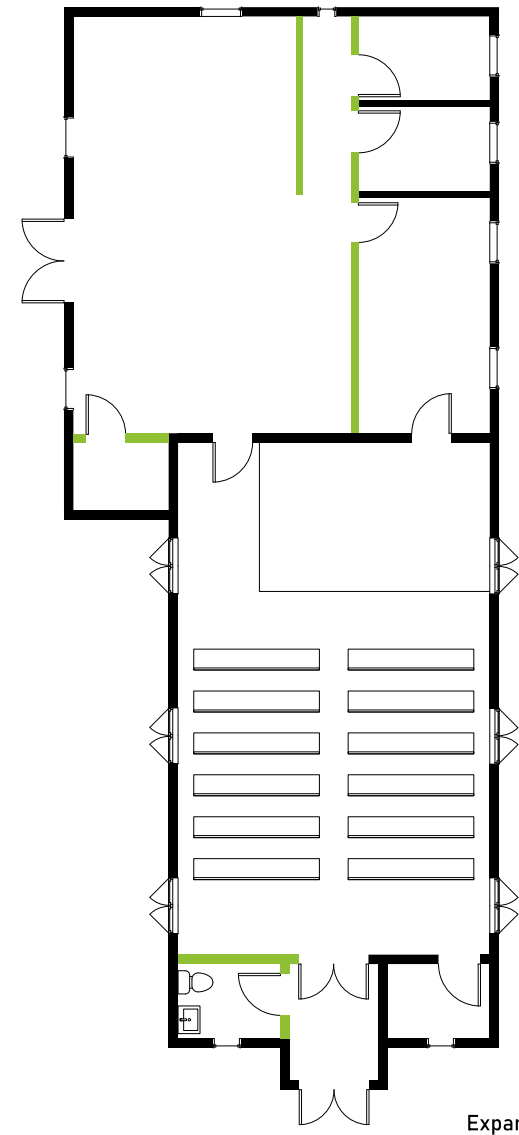
01 Site Analysis



Original



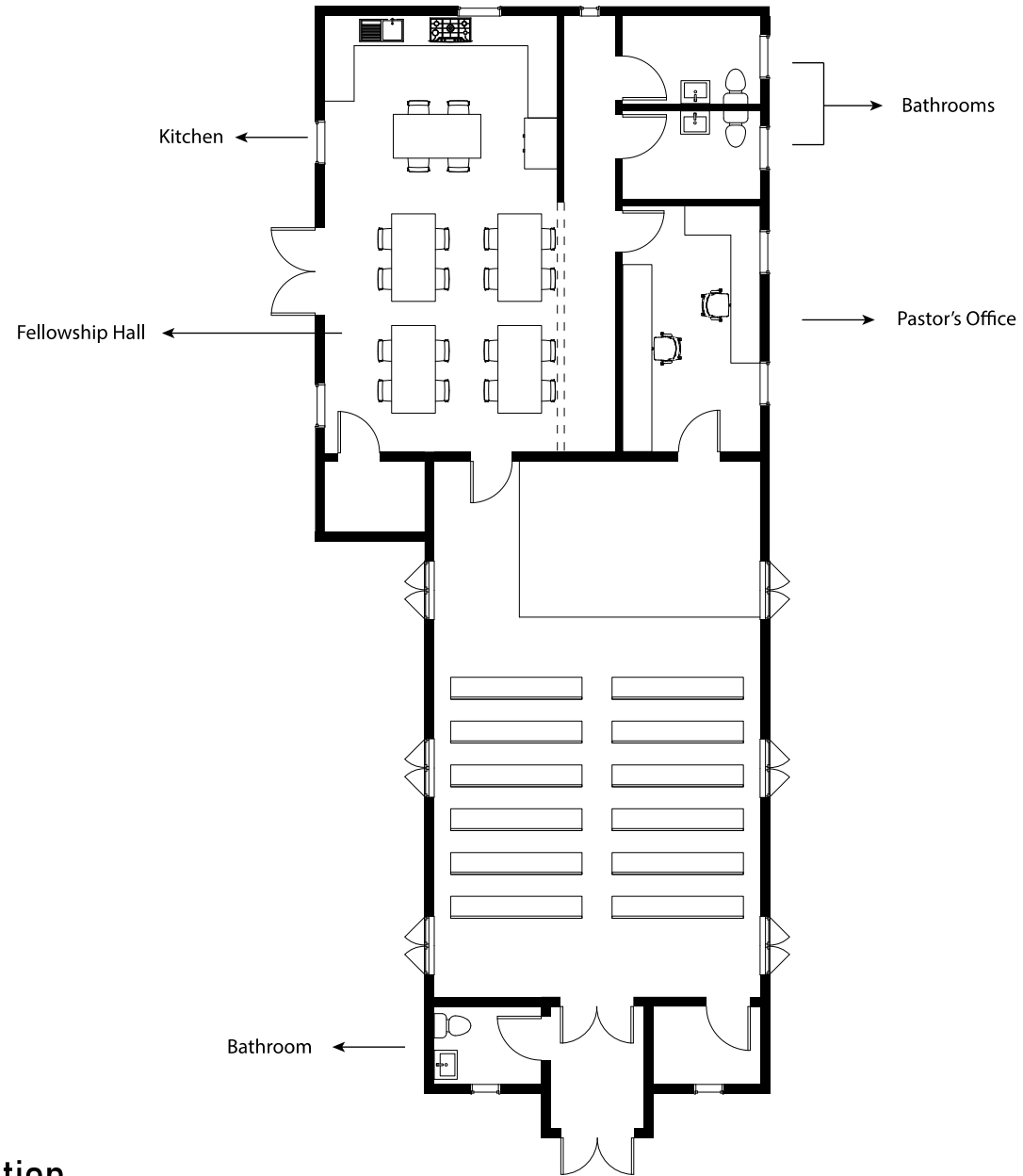
Demolition



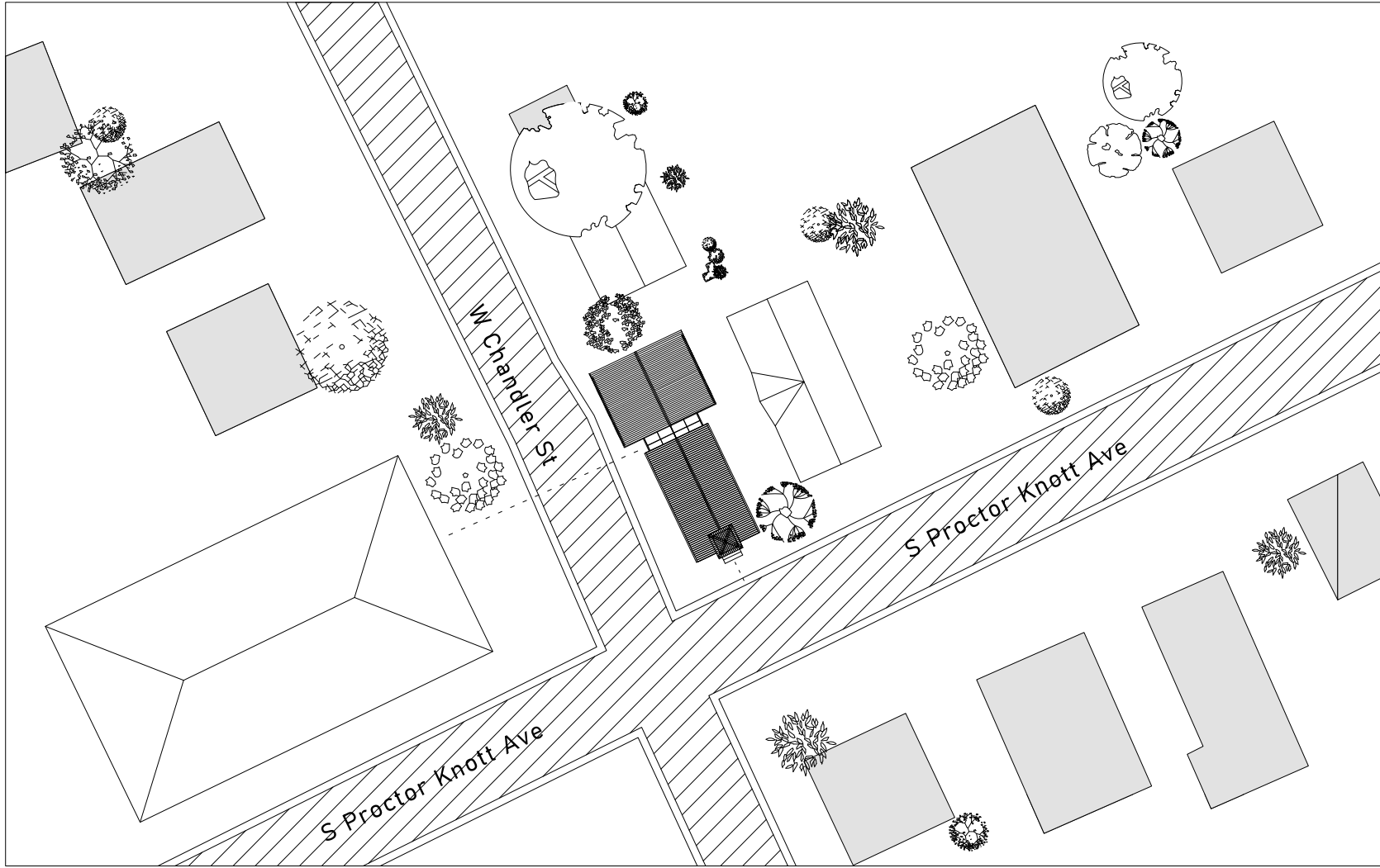
Expansion

01 Floor Plans

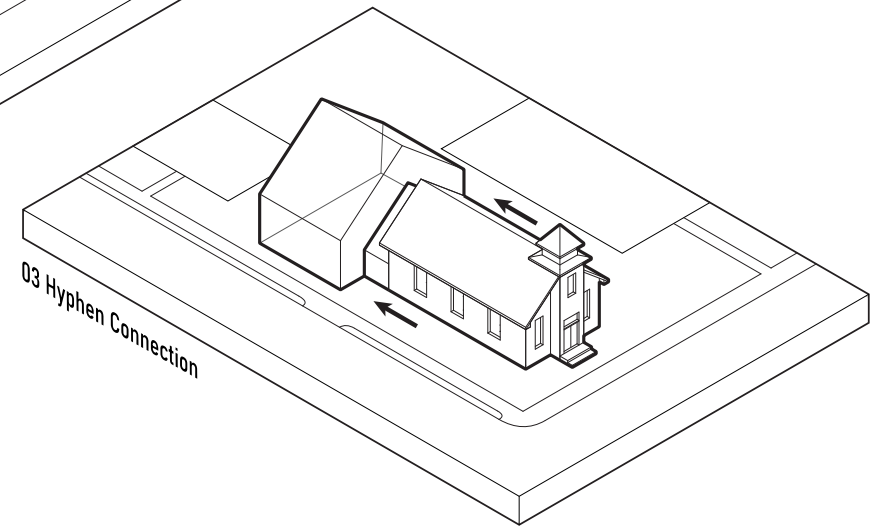
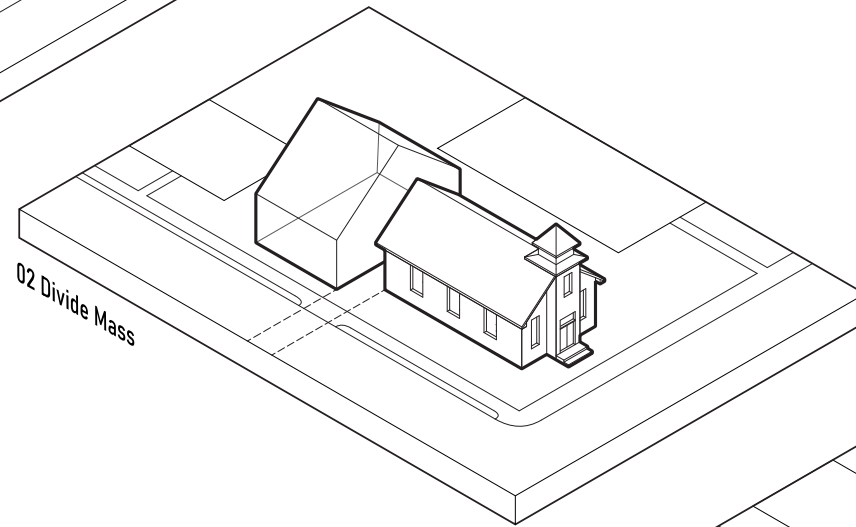
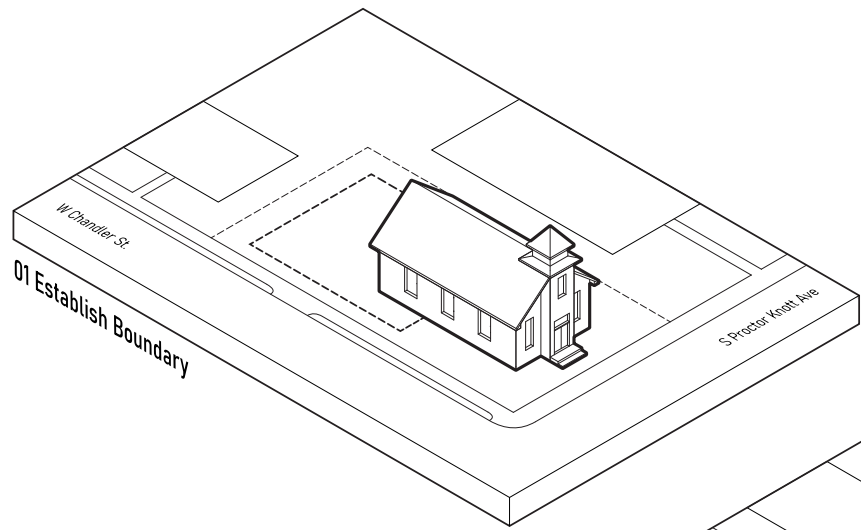
Wall Diagram



Sherman Chapel Preservation

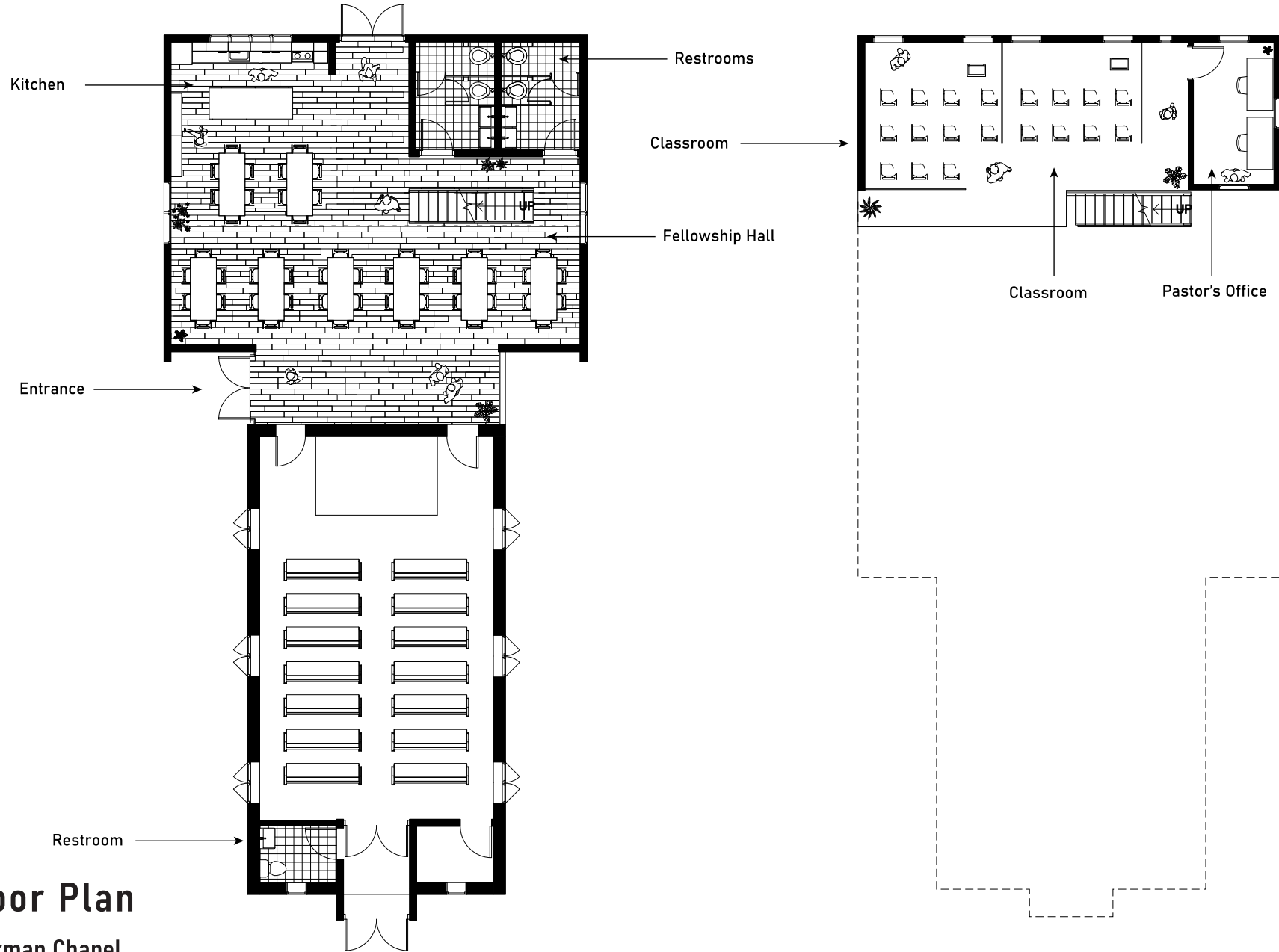


02 Site Analysis



02 Hyphen

Sherman Chapel



02 Floor Plan

Sherman Chapel



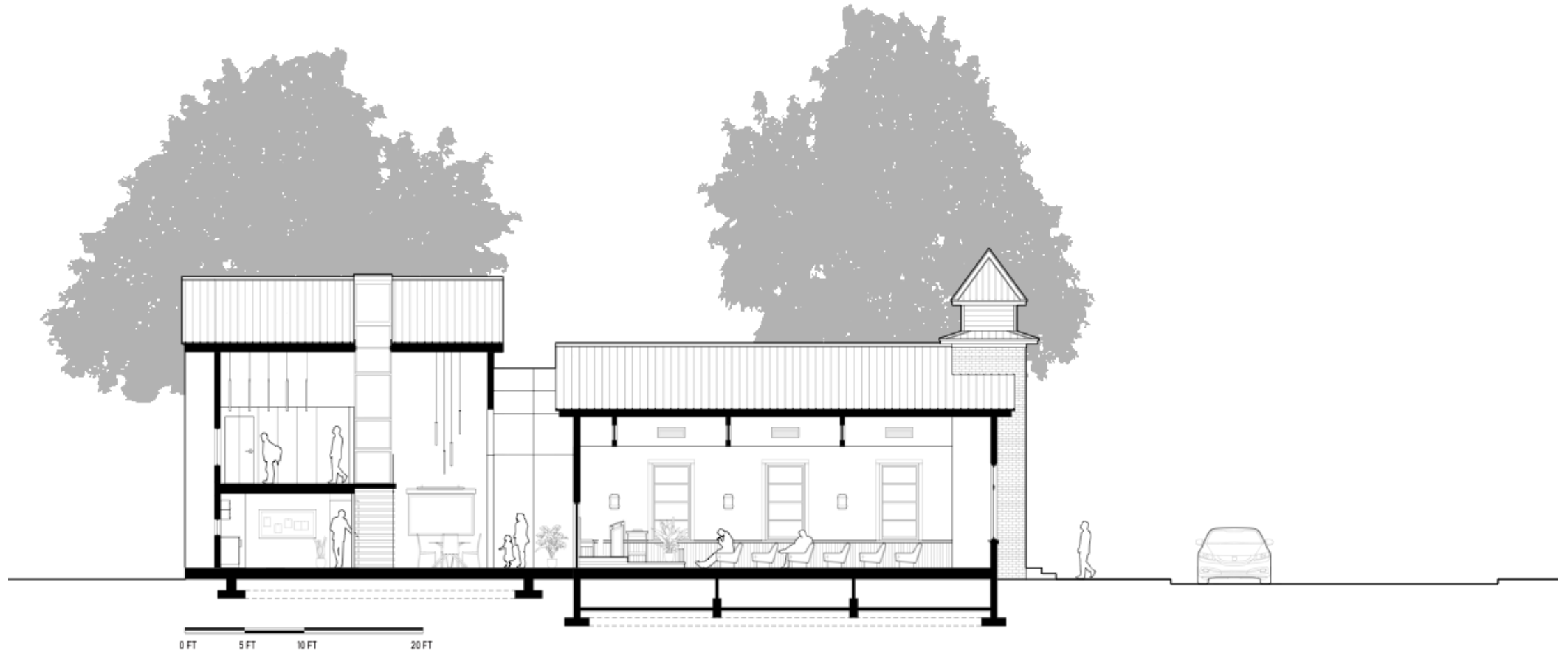
02 Elevation North



0 FT 5 FT 10 FT 20 FT

02 Elevation

East and West

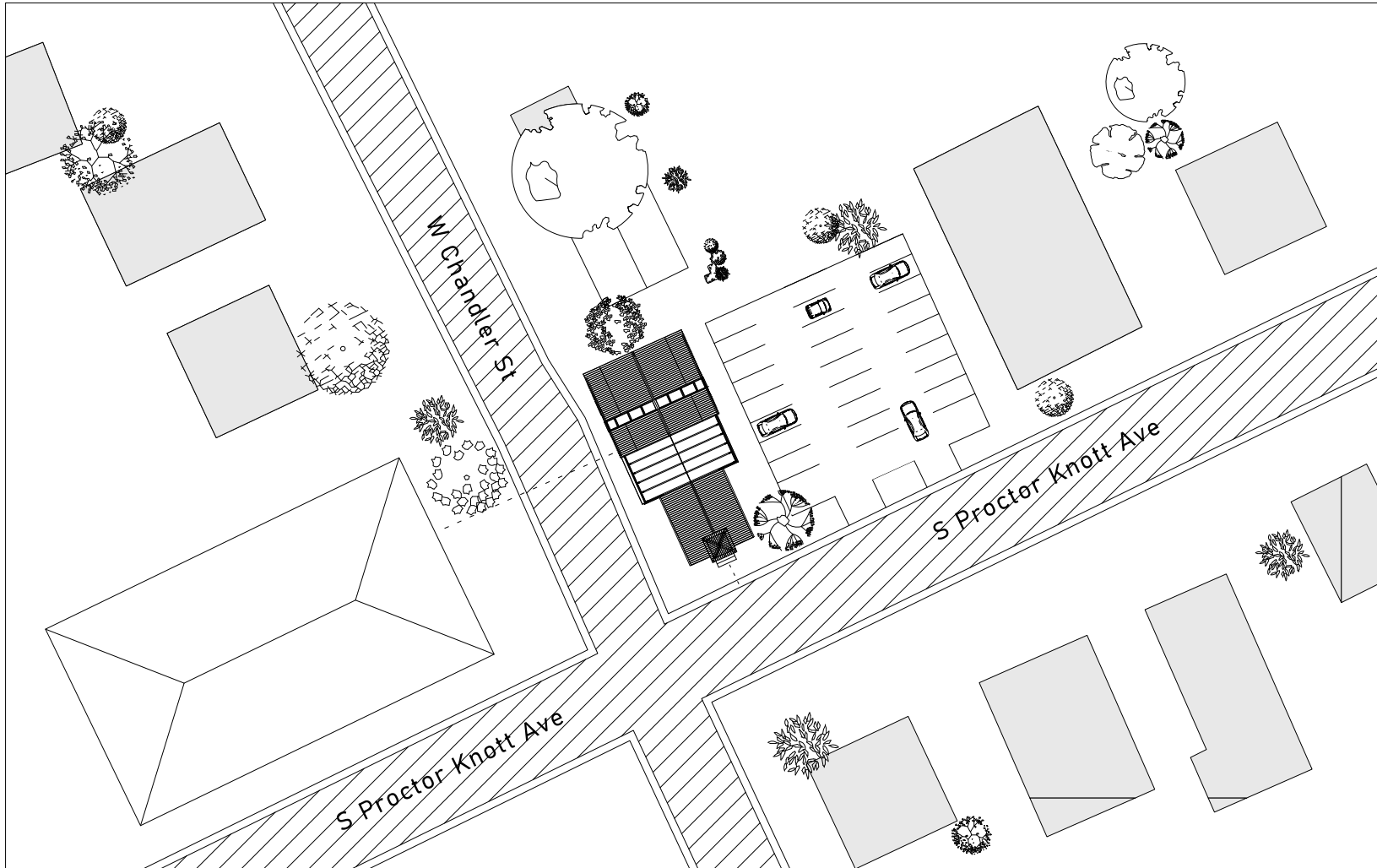


02 Section

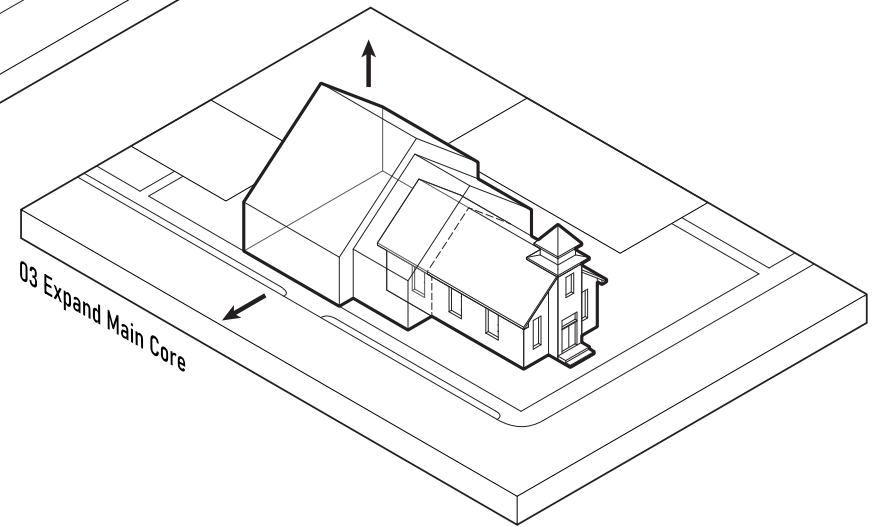
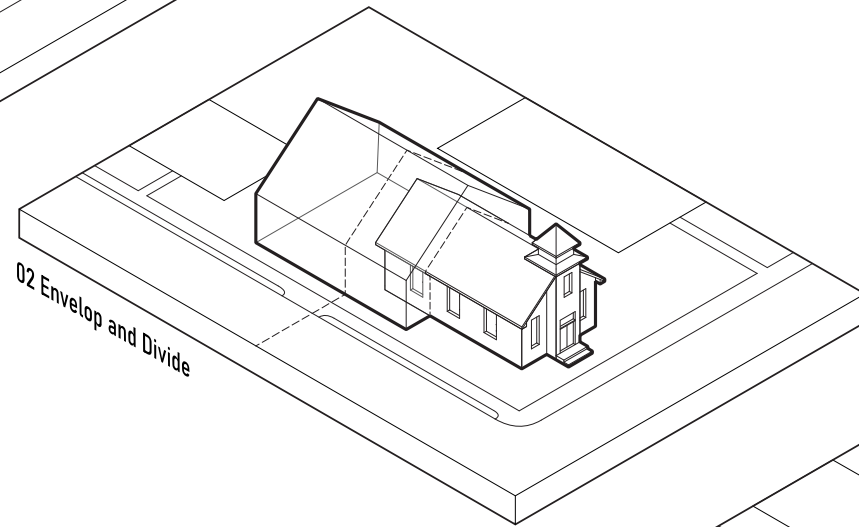
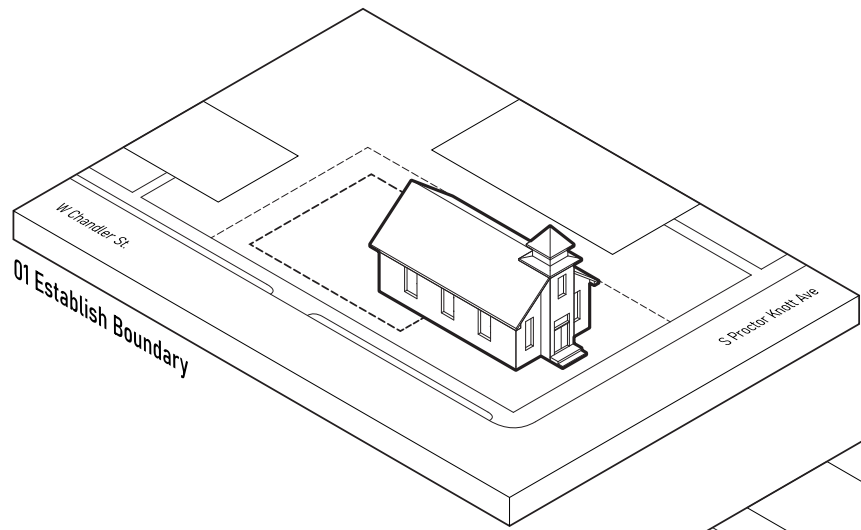
Sherman Chapel





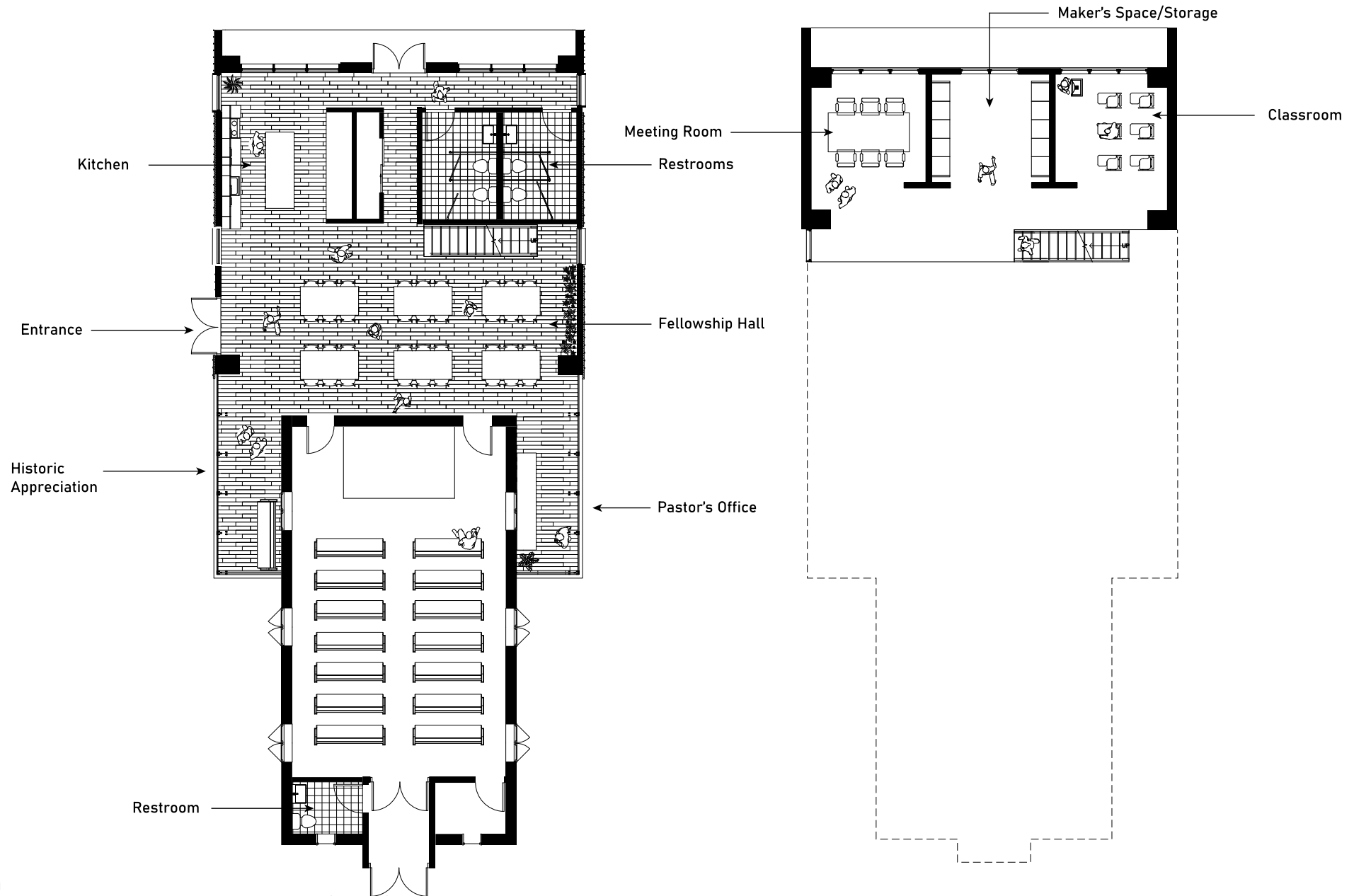


03 Site Analysis

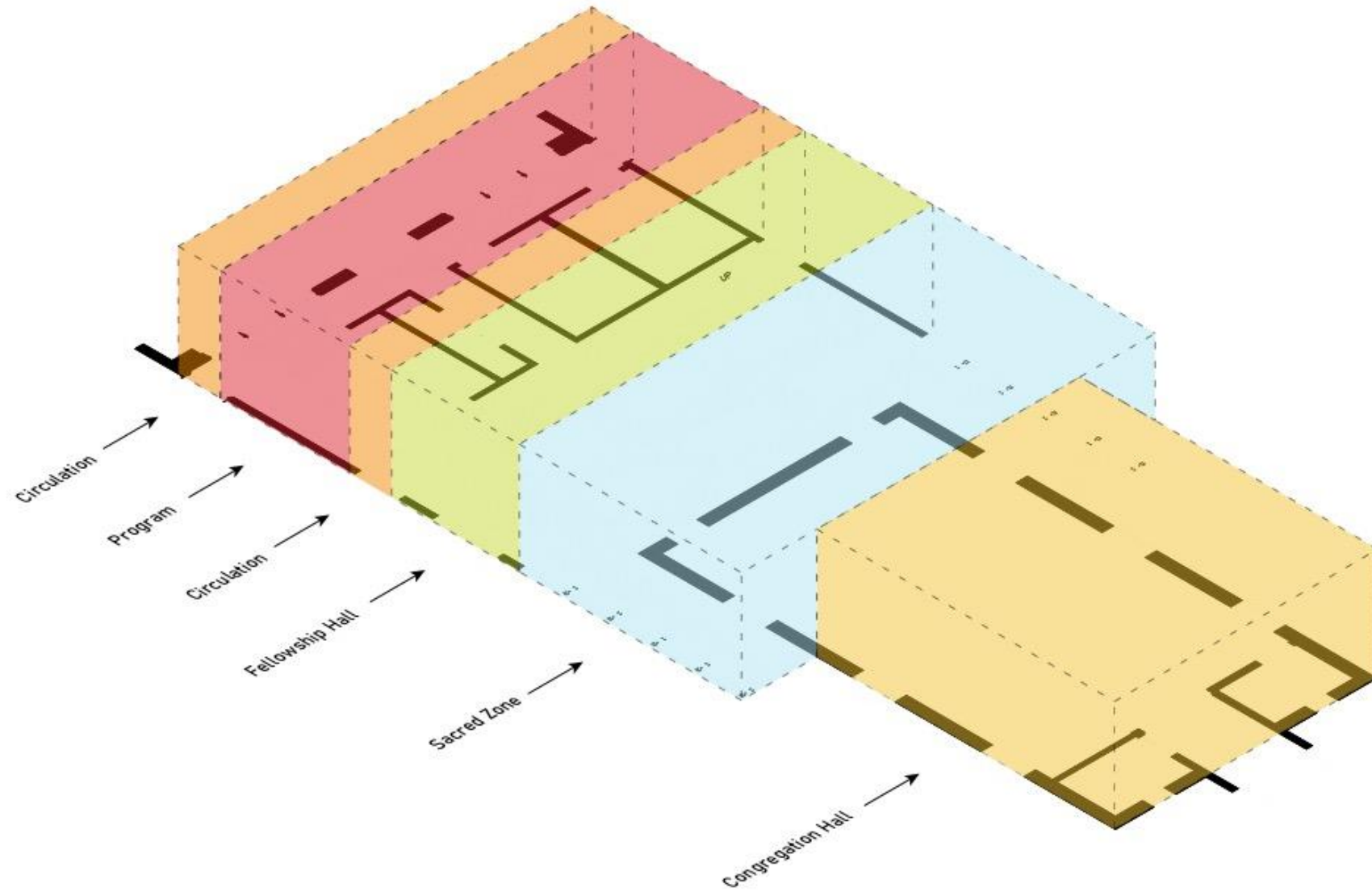


03 Envelope

Sherman Chapel



03 Floor Plans



03

Program Diagram



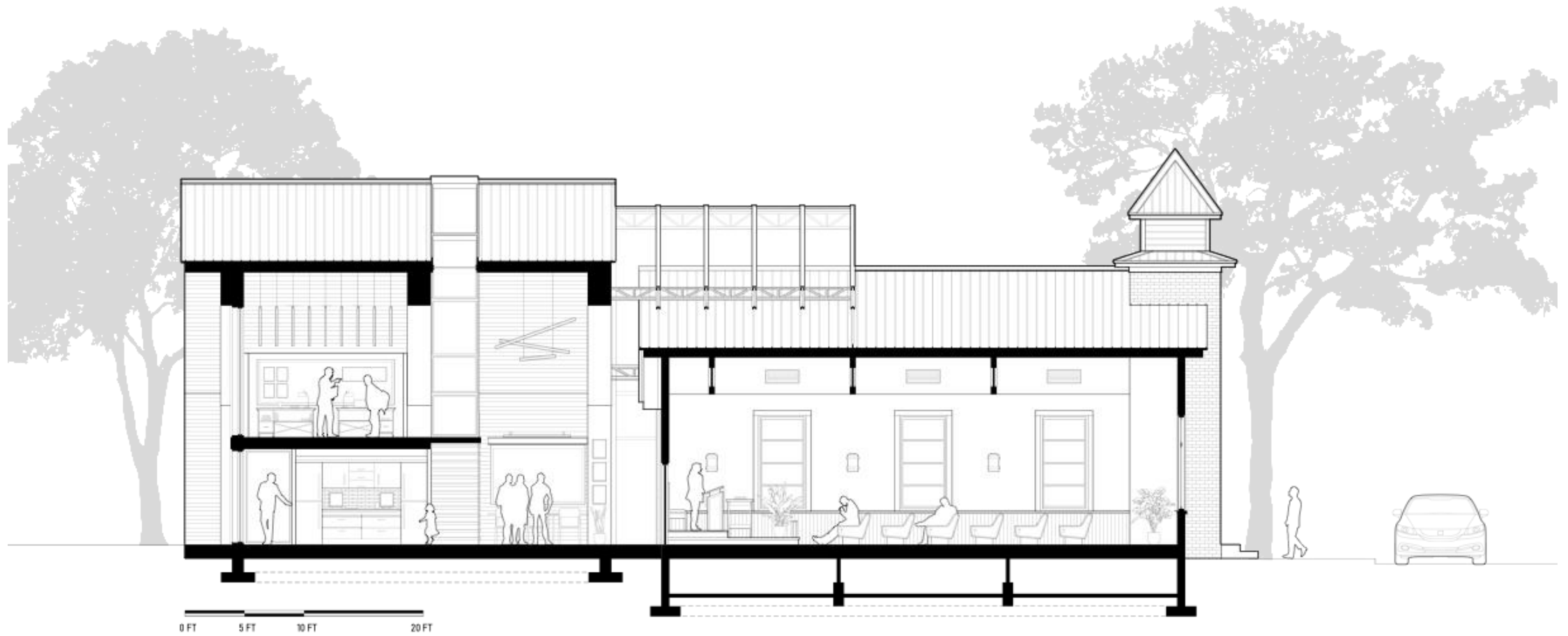
03 Elevation

North

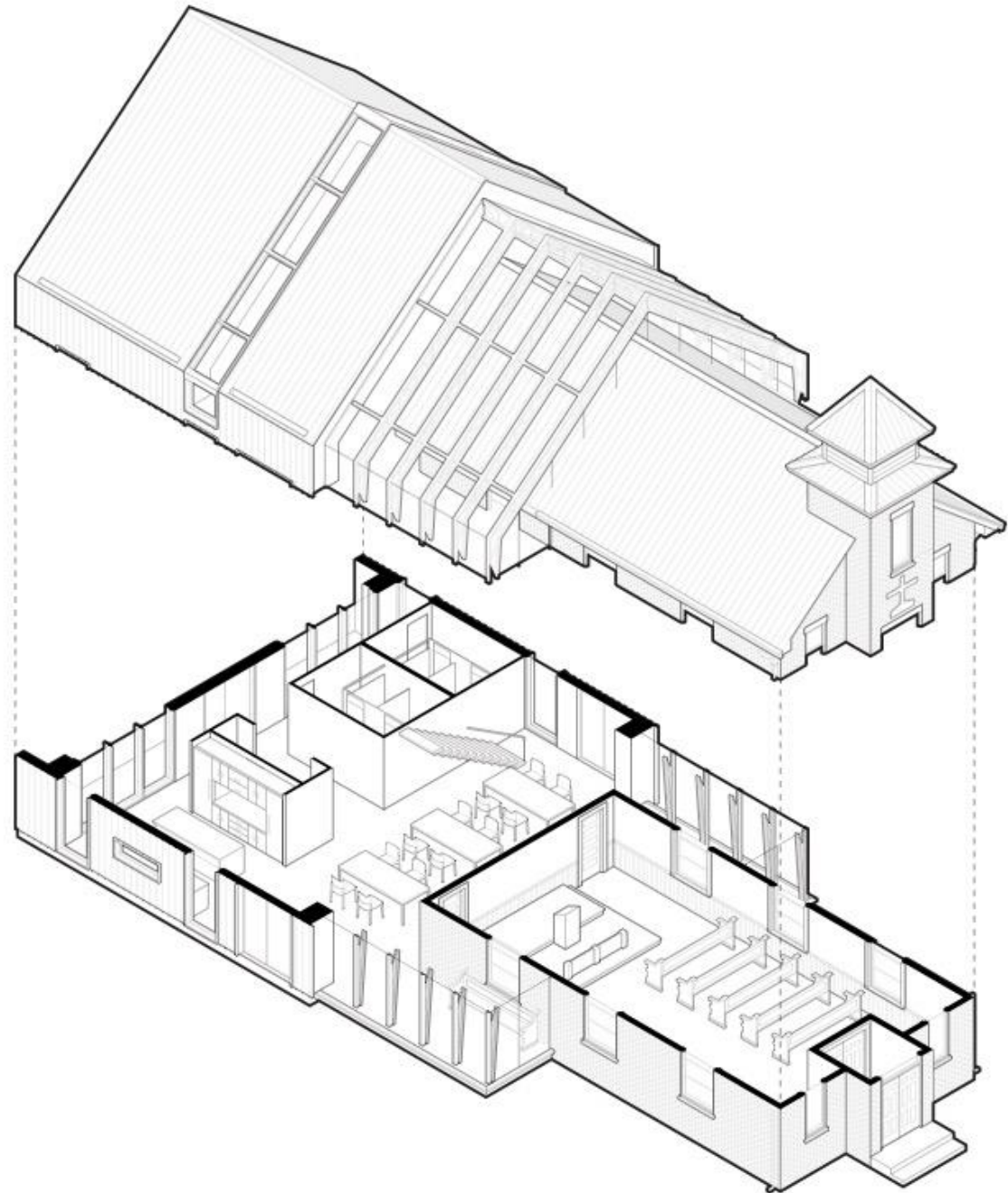


03 Elevation

East and West



03 Section
Sherman Chapel



03 Isometric
Sherman Chapel





