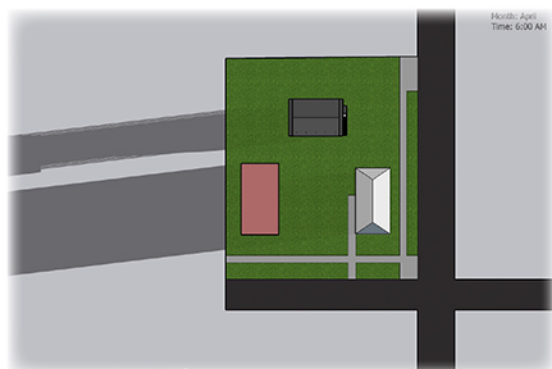


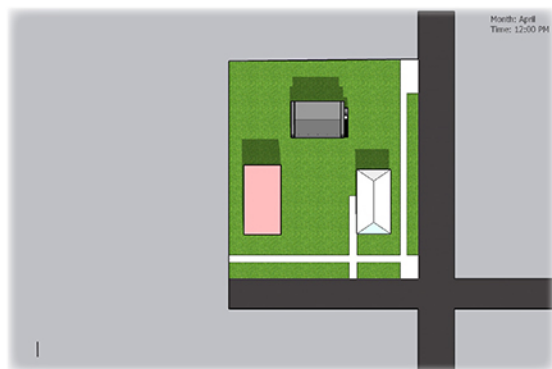
Koochiching County Zoning Department



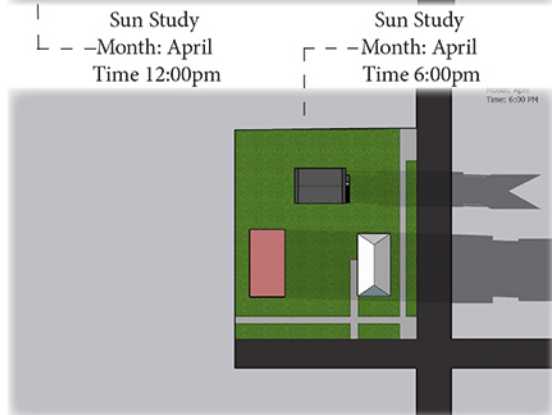
Koochiching County Historical Museum and Bronko Nagurski Museum



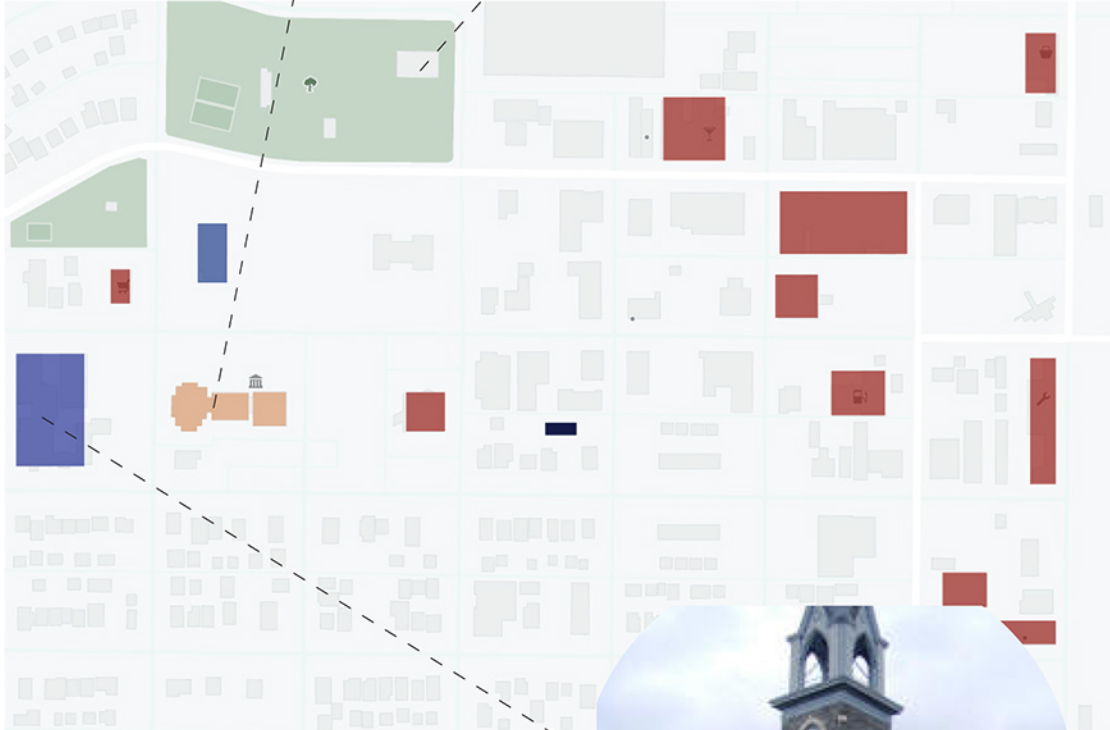
Sun Study
Month: April
Time 6:00am



Sun Study
Month: April
Time 12:00pm



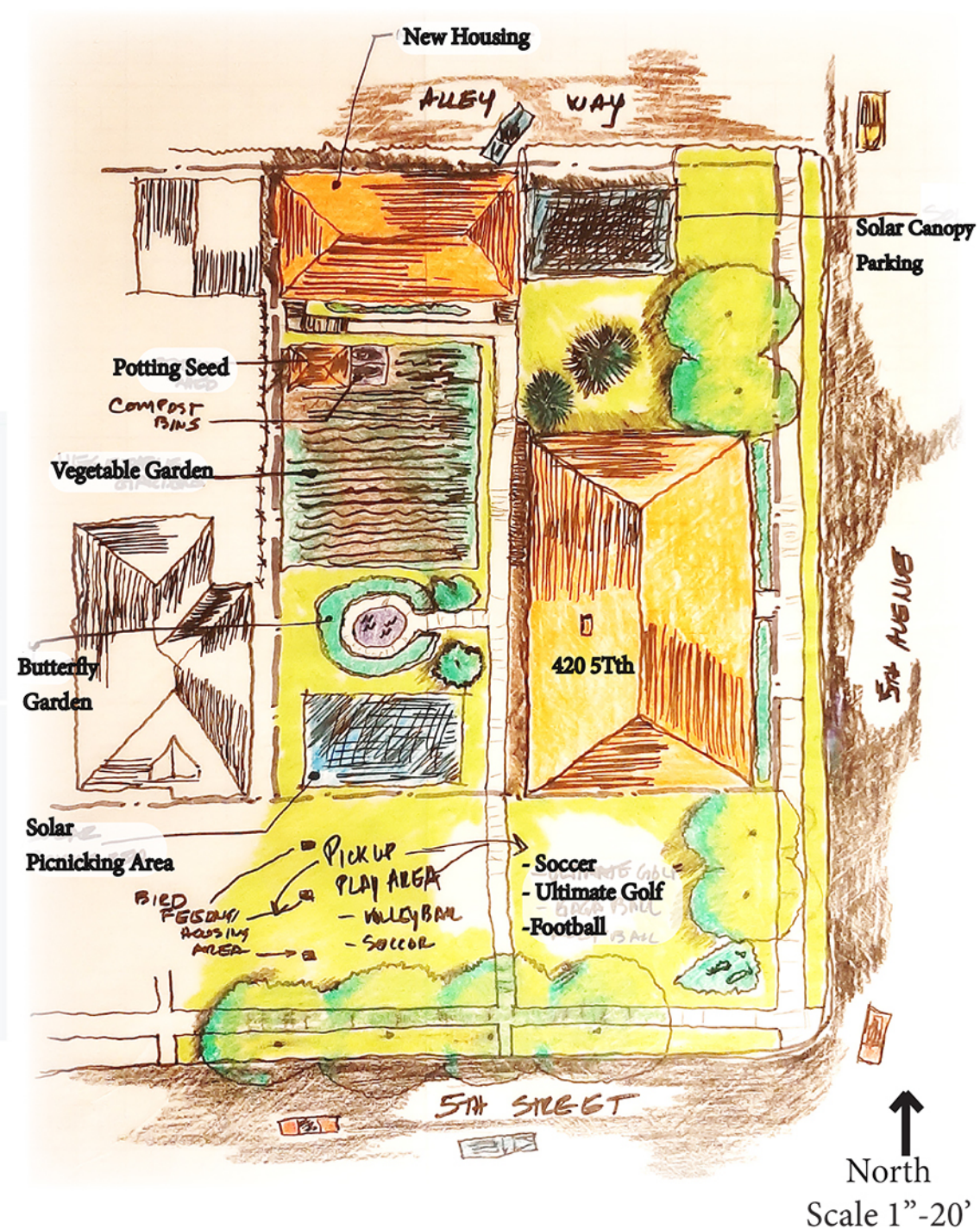
Sun Study
Month: April
Time 6:00pm



- Area of Proposal
- Museum, Park and Recreation
- Public Building
- Groceries, Entertainment and other Services
- Worship



Saint Thomas Aquinas Catholic Church



2021 SEARCH FOR SHELTER DESIGN CHARRETTE

Creating Affordable Design Solutions to Meet Minnesota's Housing Needs Since 1987

February 12-21, 2021
bit.ly/aiaamnsfs

Team Members: Scott Holmgren, Rachel Forseen, Jade Crabtree,
Lydia Ruppert, Obettu Cooper, Jeremy Stock



AIA
Minnesota

HOUSING ADVOCACY COMMITTEE

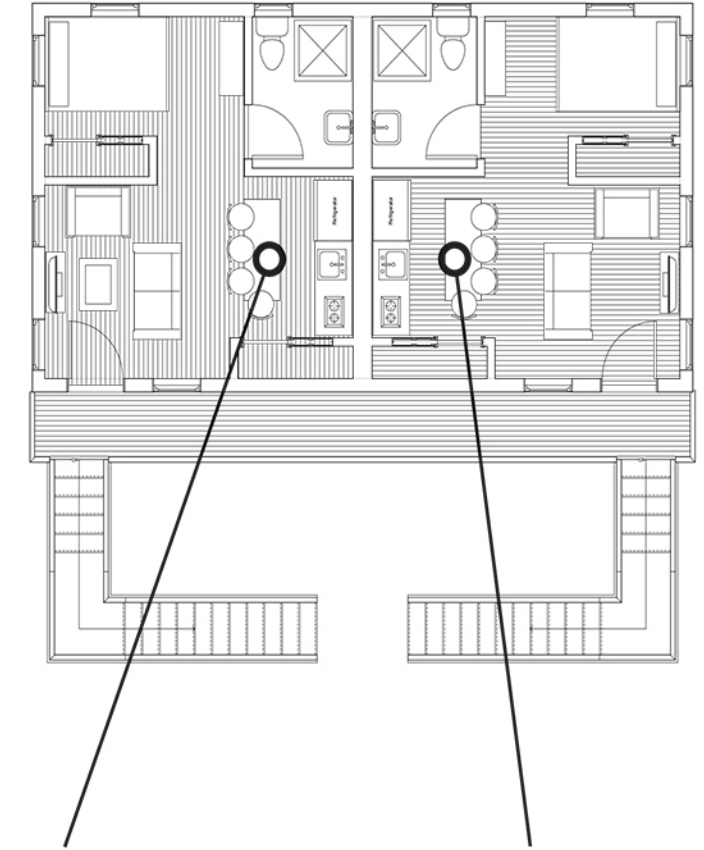
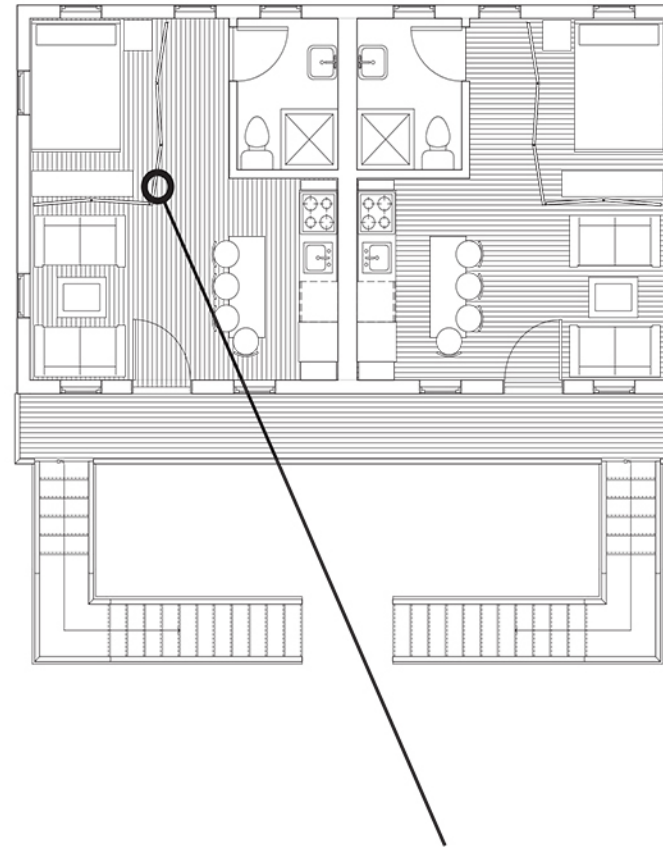
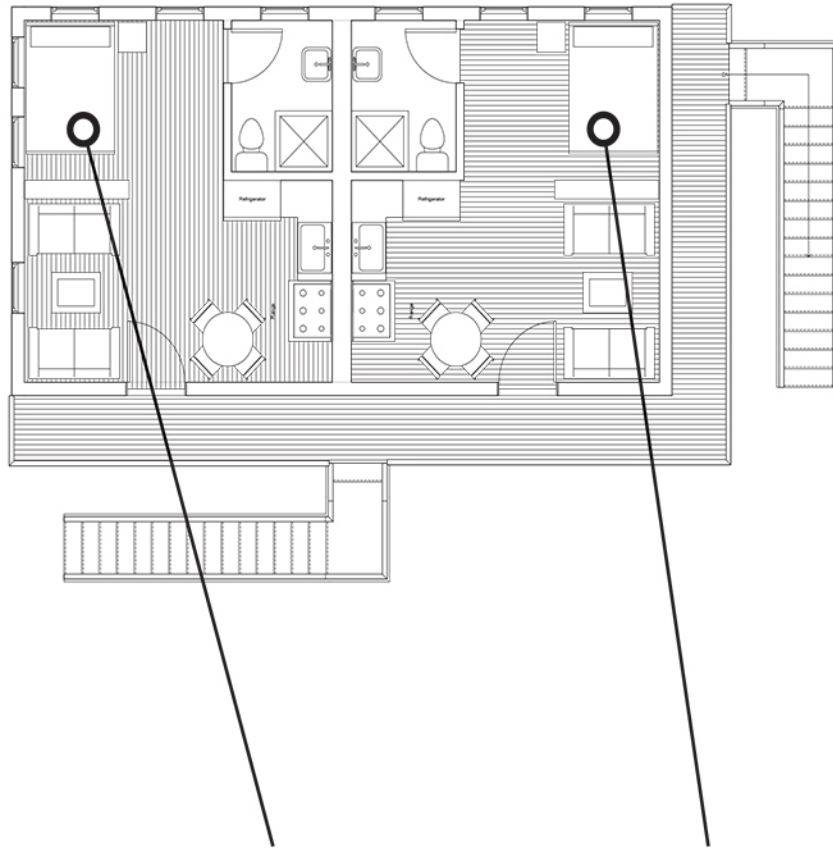
SEARCH FOR SHELTER
CELEBRATING

30
YRS

Option 1

Option 2

Option 3



Pull-out bed from wall provides flexibility in space use (fold back up onto wall if not using).



Elevated bed with storage space underneath provides more room for clothing items. With the bed being able to lift up, access to the underneath storage is easier.

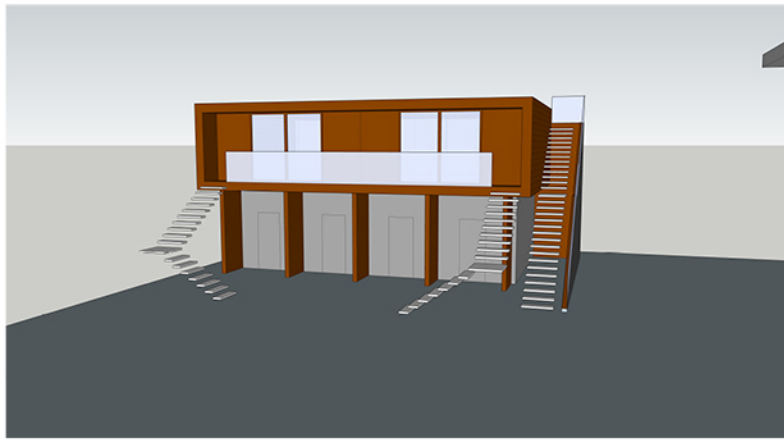


Shoji screen acts as a temporary wall while still providing privacy. It is adaptable and flexibly divides space.

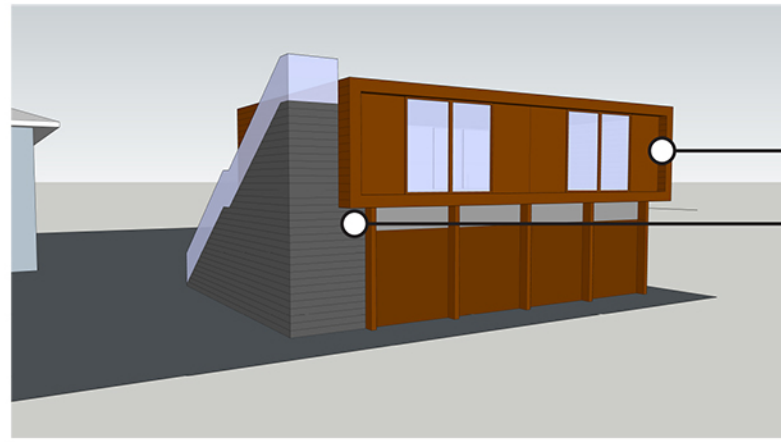


Island with underneath cabinet storage provides extra room for kitchen items. Underneath stool storage saves kitchen space as well. Movable island provides flexibility to the occupation of space (place it against the wall if not using).





BACKYARD VIEW

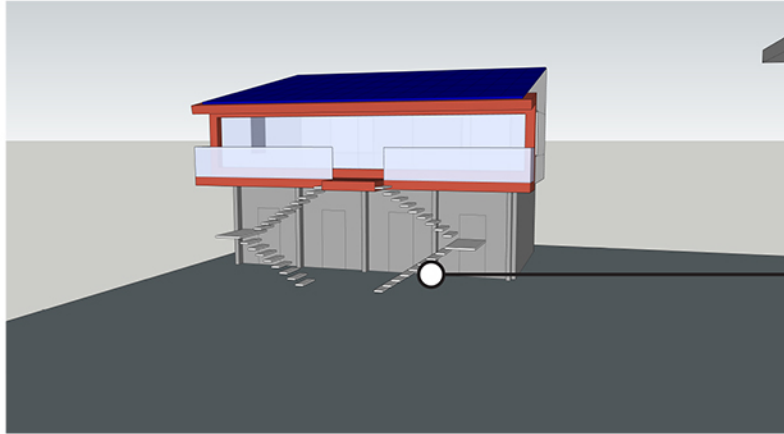


ALLEY VIEW

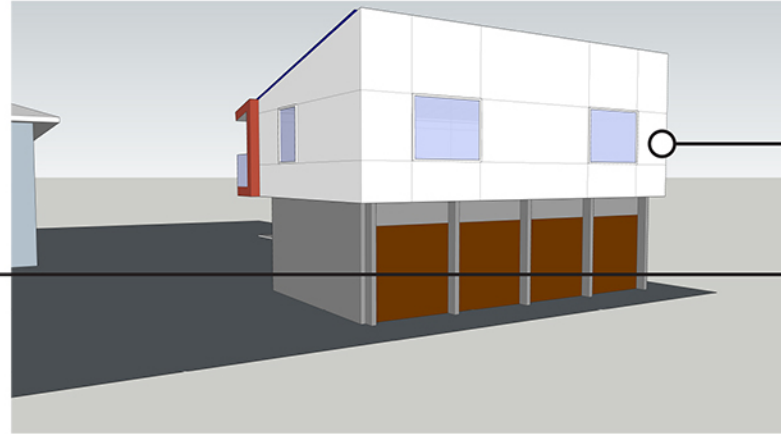
MASSING CONCEPT A - GREEN ROOF

CLADDING - WOOD SIDING

STAIR CONCEPT - SINGLE-RUN STAIR WITH ROOFTOP GARDEN ACCESS
(OPPORTUNITY FOR UNDER-STAIR STORAGE / BIKE PARKING)



BACKYARD VIEW

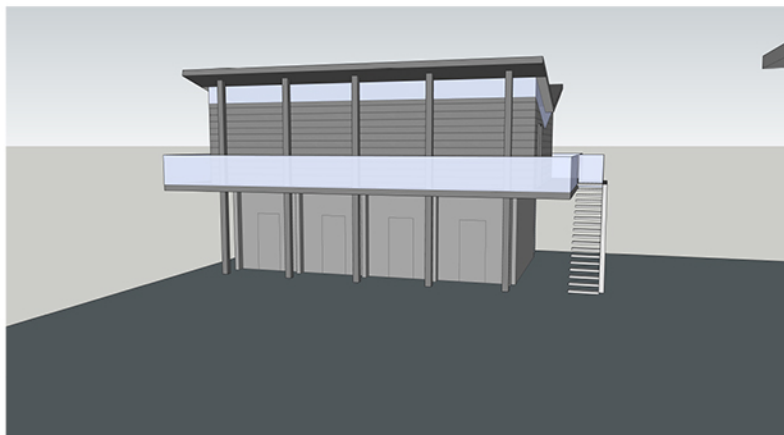


ALLEY VIEW

MASSING CONCEPT B - SOLAR CANOPY ROOF

CLADDING - STUCCO

STAIR CONCEPT - SWITCHBACK STAIR WITH SHARED TOP LANDING



BACKYARD VIEW



ALLEY VIEW

MASSING CONCEPT C - BUTTERFLY ROOF (RAINWATER CATCHMENT SYSTEM)

CLERESTORY WINDOW

CLADDING - METAL SIDING

STAIR CONCEPT - SINGLE-RUN STAIR WITH 4-SIDED BALCONY ACCESS
(OPPORTUNITY FOR UNDER-STAIR STORAGE / BIKE PARKING)

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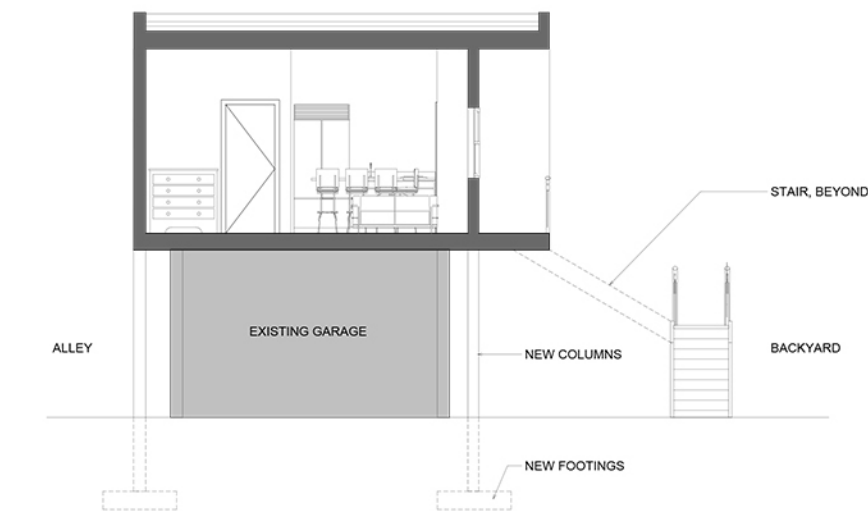


AIA
Minnesota

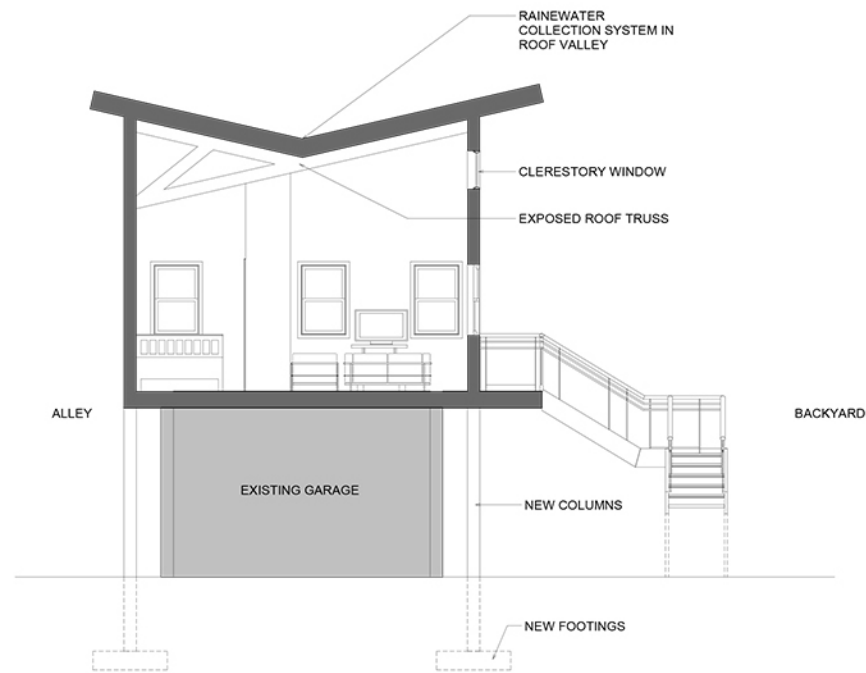
HOUSING ADVOCACY COMMITTEE

SEARCH FOR SHELTER
CELEBRATING

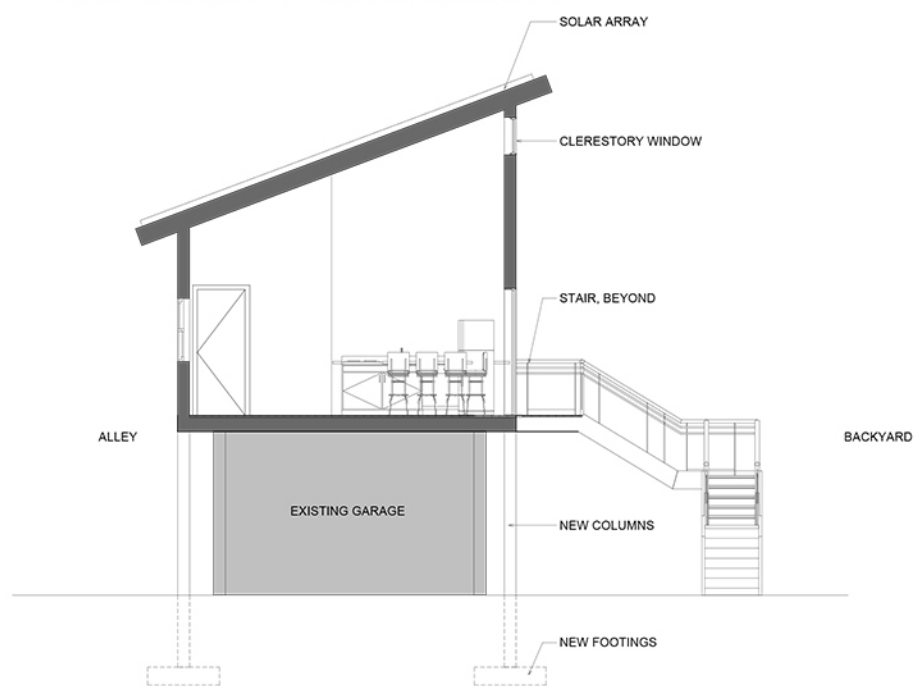
30
YRS



BUILDING SECTION - CONCEPT A - GREEN ROOF

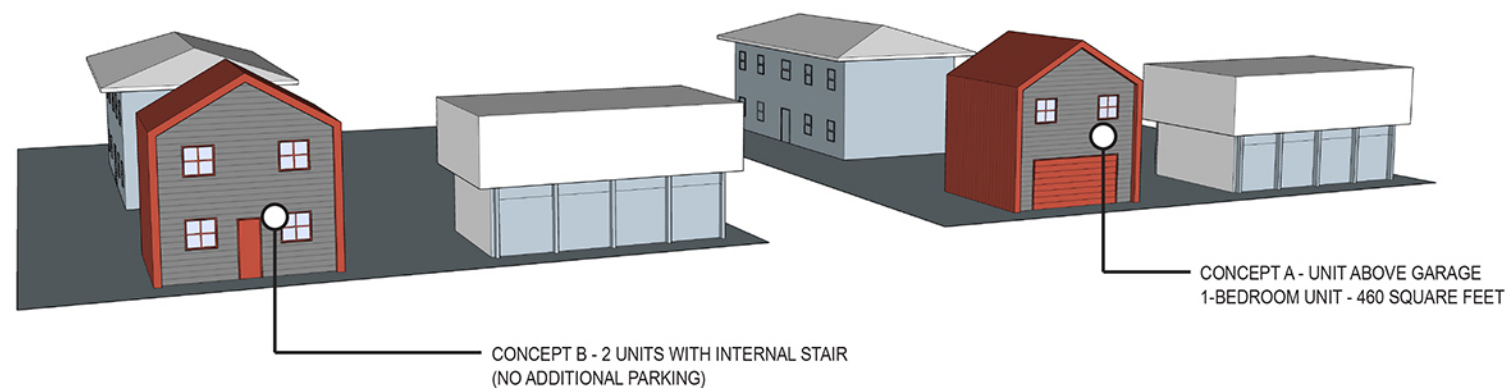


BUILDING SECTION - CONCEPT C - BUTTERFLY ROOF

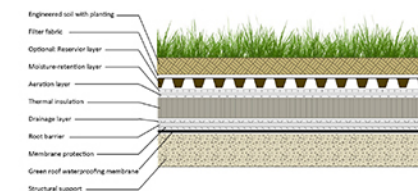


BUILDING SECTION - CONCEPT B - SOLAR CANOPY ROOF

SITE EXPANSION CONCEPT - ACTIVATE ADJACENT PARKING PAD



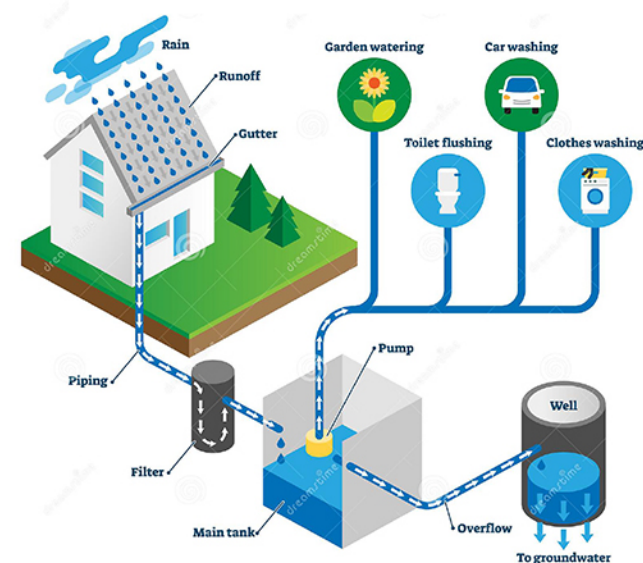
SYSTEMS AND TECHNICAL DIAGRAMS



GREEN ROOF ASSEMBLY DIAGRAM



HIGH EFFICIENCY HEAT PUMP AIR CONDITIONER (HPAC) UNITS



RAINWATER HARVESTING

Backyard Perspective

Alley Perspective

Far Elevation

Close-up Elevation

Option 1



Option 2



Option 3

