HISTORICAL BACKGROUND & EXISTING CONDITIONS

DESCRIPTION OF PROJECT

The Eagle Bend High school was built under a Workers Progress Administration (WPA) project and completed construction in 1942. The historical significance in the city of less than 600 people is that the building stands over the city like a sentry protecting its territory. The building has Terrazzo hallways, open stairways and 3 foot walls in some parts of the building. The three-level structure is mostly constructed from cement, which was wheelbarrowed up ramps to get to the upper level, trimmed by granite from central Minnesota quarries.

A large 400 seat auditorium and gymnasium was built 10 years later in 1952 and is known for its acoustically friendly design. The building has many stairs which attribute to significant accessibility challenges. "Carol Becker, a local historian, attended the Eagle Bend School from 1945 to 1958 and recalled that because there was no elevator, two boys from the football team would pick up a young lady who was confined to a wheelchair and take her to where she needed to go when she had to navigate the stairs." (Source: LivingTheNewDeal.org)

Also on the site stands the Hilltop Regional Kitchen, who delivers frozen meals all over the state of Minnesota to low-income individuals as well as elderly and people with disabilities.

Eagle Bend, MN is a small 600 person community and lacks any exercise facilities and has a need for senior housing as well as community spaces.

The school portion of the building was studied in the 2020 AIA MN Search for Shelter Charrette and looke at providing 24 senior housing units



School building in 2020



Original South elevation

PROJECT OBJECTIVES

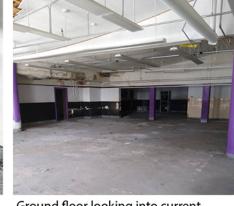


School building in 1942



School building in 1952

PUBLIC SCHOOL



Ground floor looking into current multi-purpose space



Gym looking from front corner of the stage to the back corner of gym





1st floor looking from the stage into the seating



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into lobby space



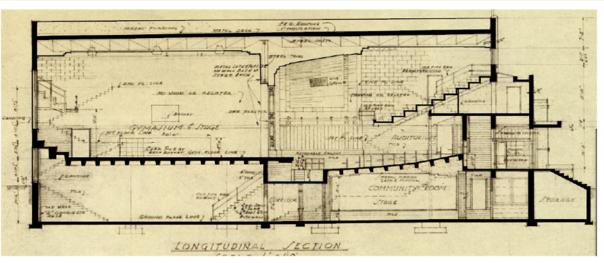
HOUSING ADVOCACY COMMITTEE

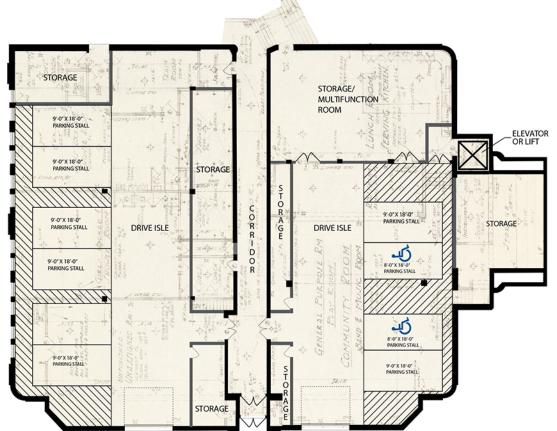
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1. Provide a space tha the community can use for various activities including movie screenings, school dances, and arts and crafts shows and activites. Provide a space where members of the comunity can come to get excercise.

2. Address the accessibility concerns of the building, including providing dedicated accessible bathrooms for the theatre and gym spaces and addressing vertical circulation by providing lifts, elevators, or ramps.

3. Provide covered parking in the building's lower level as well as extra storage space for the building.





FLOOR PLAN

Chandelier Can light Emergency Exit Cooling System < Fan/Venting Heating System Electrical Switches Speaker Locations



MECHANICAL PLAN

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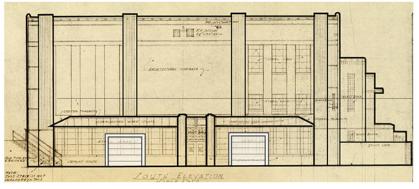
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PARKING & SITE PLAN

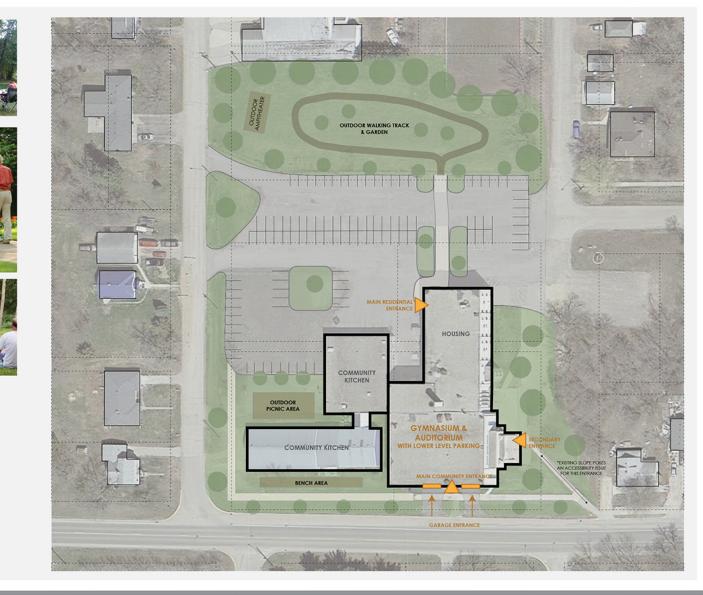
PARKING

The ground floor of the building originally contained boys and girls locker rooms, a serving kitchen, music room, and storage space.

The proposed plan would incorporate 10 parking stalls including 2 handicapped accessible spaces. Due to the structural layout of the building, the lower level is very open for much of the space but drive isles would be very narrow and would only be able to provide 1-way traffic. The garage would be divided into 2 separate garages, with their own entrance off main street to maintain the building's central corridor for accessibility. A lift provides access up to the 1st floor where the theatre and gym spaces are.



The site plan keeps the exisisting parking in tact and shows the new garage entries at the south of the plan. The plan also includes a walking garden for residents of the future housing and the community members.



SITE

SITE PLAN

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KERRY KENNEDY

MEGAN REINECCIUS ELLIOT TWIGGS

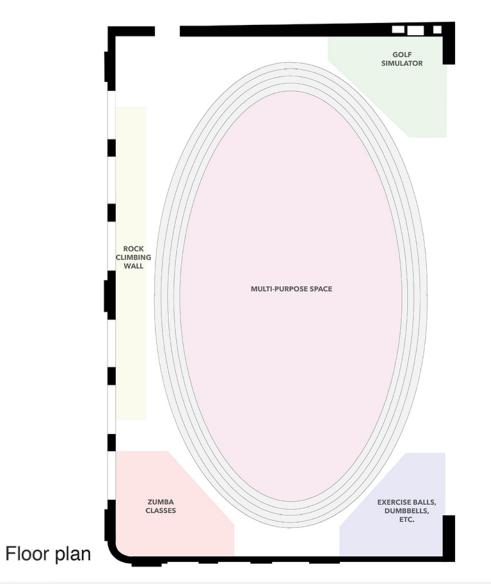
KATIE HINZ

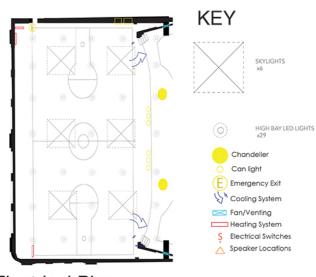
RYAN LINNE

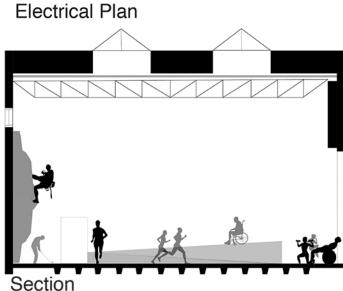












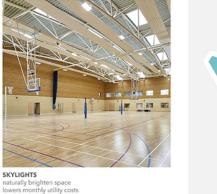
GYM DESIGN CONCEPTS

Interior Design Ideas

Lighting

The main design concepts of the gym include lighting and programming strategies. By implenting skylights into the gymnasium's core, natural light will lower monthly utility bills. Providing an interchangable program will allow for full optimization of the space. Connecting the activities within the gym with the auditorium space will allow for community connection and increased engagment.









Glass Partitions

Programming Ideas



ACTIVITY OPTION: Zumba/ interactive class



ACTIVITY OPTION: exercise corner





rock climbing wall



golf simulator

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INDOOR TRACK allows for year-round indoor extercise can be used by all ages allows for other activies to take place at the gym's center



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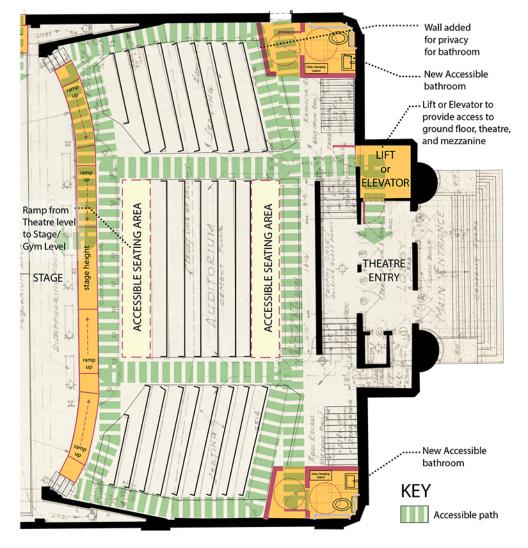
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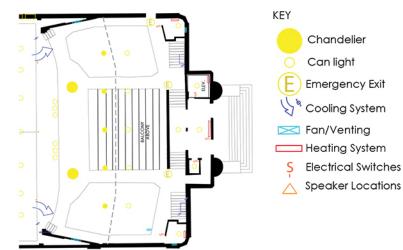
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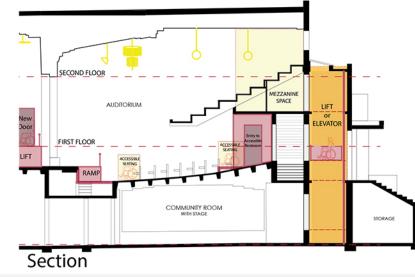








Electrical & Mechanical Plan



THEATRE DESIGN CONCEPTS

The theatre space is intended to be used as a theatre in the future for events such as community dinner theater and youth plays. The upgrades desired for this space are related to accessibility. We added accessible seating to the rear and front of the theatre space and added a ramp at the front of the stage. This ramp connects the theatre and gym space with an accessible route. The existing bathrooms can be adapted to accessible bathrooms. For lighting, we looked to the historic ceiling plans, which showed chandeliers hanging over the ceiling areas (see section). We also were inspired by the art deco style of the building and propose additional lighting and simple painting of the theatre walls to bring back the art deco design.

Interior Design Ideas

Art Deco Design Inspiration







Rendering of Potential Theatre Design

PROPOSED **ART BREAK OUT** ROOM





Floor plan

Accessibility for Eagle Bend Community Spaces

Accessible Path

The base design requirement for an accessible path starts with a continuous 36" wide clear path throughout the building and rooms. Historic buildings often have a series of stairs which inhibit an of an "accessible path" for all users. Ramps can be added to provide access, but ramps take up a significant amount of space. We added a ramp to the front the stage, over-top the existing orchestra pit. This ramp both accessibility and to be used in potential performances. Elevators or Lifts can be used for greater grade changes or between floors. Lifts can require less modification of the building. We suggested providing either an elevator or lift within the existing ticket office, because the size of the space is perfect for either option.



Lift could be provided from exterior of building into Theatre lobby, similar to the examples above (see Left and Middle). Interior lift can span multiple floors within an enclosed room (see Right). Photos courtesy of NPS.

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Bathrooms

For historic buildings, owners must make "readily achievable" changes; that is, changes that can be easily accomplished without much expense. When changes are made to the building itself or the occupancy type of the building, certain accessibility requirements are triggered. As a rule of thumb, one accessible building should be provided along an accessible path. Below is a diagram of the basic design requirements for an accessible bathroom. Additionally, bathrooms can be made more accessible by following these small adjustments. This was provided by the NPS as easy and cost-efficient upgrades to bathrooms. Installing grab bars in toilet stalls.

- · Rearranging toilet partitions to increase maneuvering space.
- · Insulating lavatory pipes under sinks to prevent burns.
- · Installing a higher toilet seat.

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KATIE HINZ

RYAN LINNE

- · Installing a full-length bathroom mirror.
- · Repositioning the paper towel dispenser.

References

- Guidance from the National Parks Service on "Making Historic Buildings Accessible
- MN Accessibility Code 2015, Section 1112.8.9. Historic Buildings

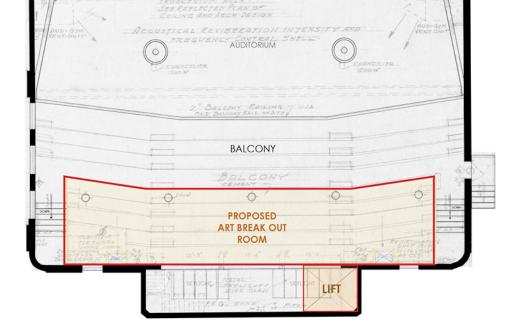


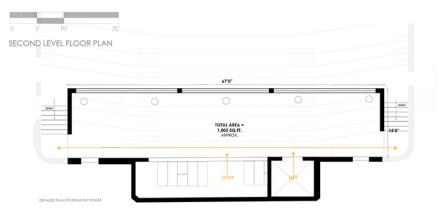


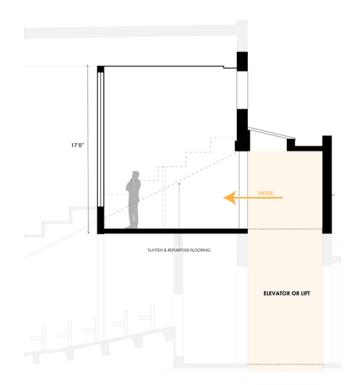




TEAM MEMBERS:







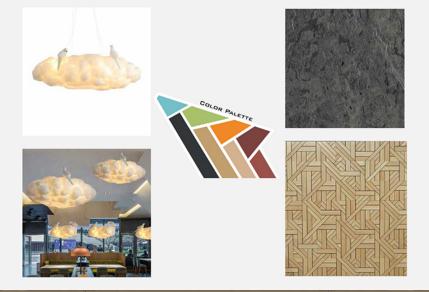
MEZZANINE

The mezzanine will act as a multipurpose room for the residents of the building and members of the larger community. Located on the second level of the auditorium, this room will be accessible by lift or elevator from the first floor vestibule area. The mezzanine also hosts balcony seating for the auditorium, so the multipurpose room is designed around this current circulation path.

Interior Design Ideas

Lighting





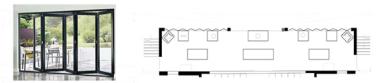


Floor plan

Programming Ideas



Concept A Break space into three equal lounge or break out areas for social activities.



Window Option A Glass bifold, "accordion" style door allows for flexibiloty, connection, and interaction between the mezzanine, auditorium, and gymnasium.

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Concept B Divide space into two equal halves; a flexible area for self-directed art and a lounge area for social activites.

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KATIE HINZ KERRY KENNEDY

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Window Option B A fixed glass panel allows for visual connection to the auditorium and gymnasium while also maintaining individual program space for the multipurpose room.

Glass Bifold "Accordion" Style Door



Glass Panel Overlook









Concept C Break space into three areas; two larger classrooms for instructor-led art classes divided by a lounge area for social activities.



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Section