



C. Payne



# MINDSET

Whitney Feimer

## | Problem Statement |

How can architecture and environment influence the re-establishment of psychiatric stability in the mentally ill?



Ward 10

| Project  
**Typology |**

South Dakota  
Satellite  
Psychiatric  
Facility

| **Claim** Under Investigation |

**Architecture can facilitate the integration of spacial context and parameters** with the challenge of meeting the psychiatric, physiological, biorhythmic and social needs of the mentally ill patient.

| Theoretical/**Unifying Idea** |

**Design plays an important role in creating a therapeutic environment where the mentally ill can receive appropriate psychiatric attention, while simultaneously protecting the patient and society from dangerous situations.**

**The general public has a distorted view of those who suffer from mental illness. Cinema production often times portray the mentally ill as people who hear voices to kill and be disruptive; vary rarely does cinema demonstrate these people can recover and be productive in society.**

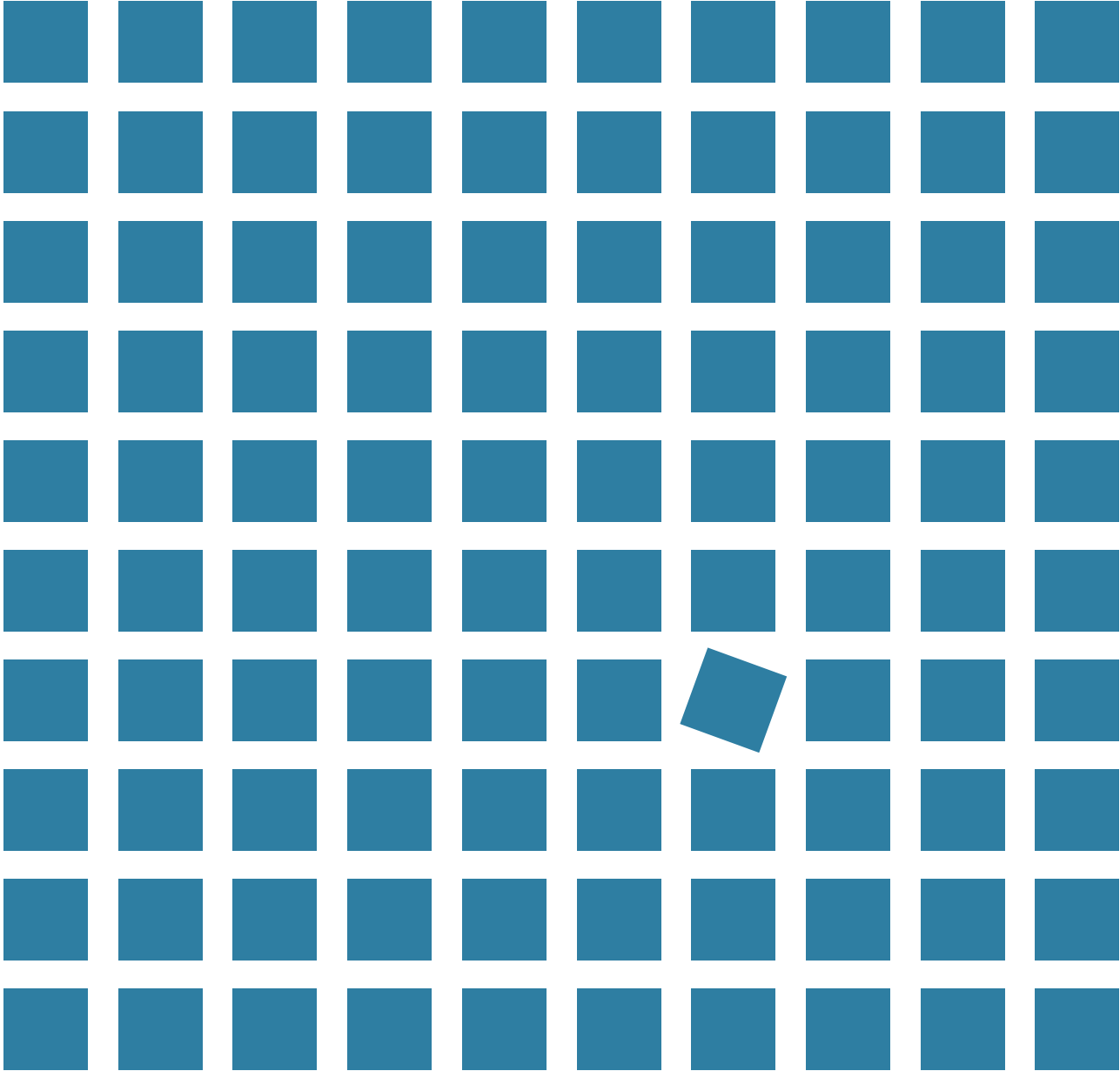




Similar to the structure of a light bulb, the brain operates as the outer bulb [structure], the production of, light within the bulb is similar to the result of the minds activity. When the brain has incorrect physical connections, it is reflected in the mind as abnormal perceptions, disorganized thinking and inappropriate behaviors. This is the basis for mental illness.

**BRAIN | MIND**

In any given year within the United States, **one in four adults** 18 and older will experience a mental illness, which is approximately **57.7 million Americans**.



**| A mental disorder or mental illness is a diagnosable illness that affects a person's thinking [or] emotional state and disrupts a person's ability to work or carry out other daily activities |** *Mental Health First Aid*

**What is a**  
mental illness

**OCD**

mental illnesses are divided into two categories called Axis I and Axis II. **Axis I** psychiatric (mental) illnesses are driven by abnormal brain chemistry. **Axis II** psychiatric illnesses are related to defects in personality that are influenced by experiences and **environment**.

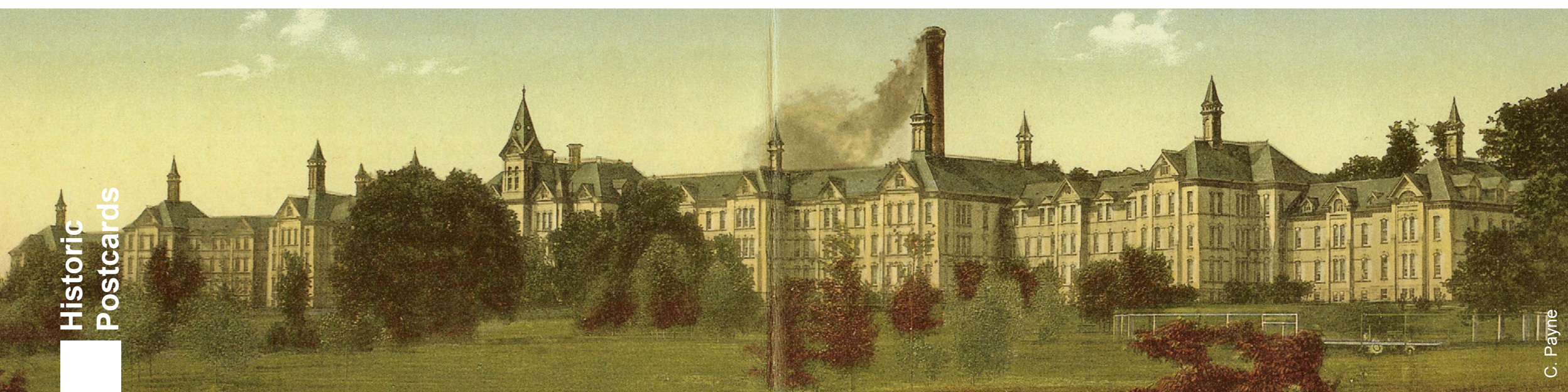
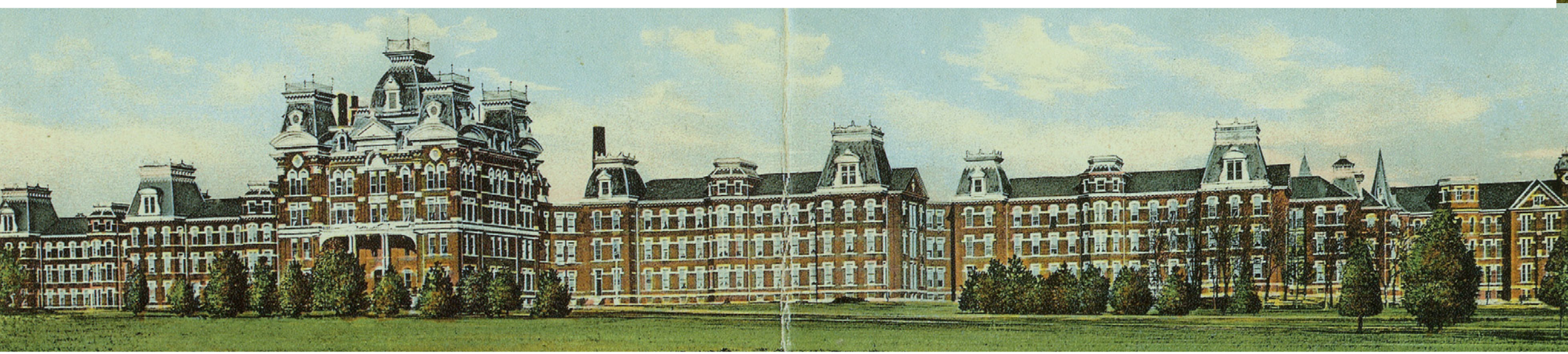
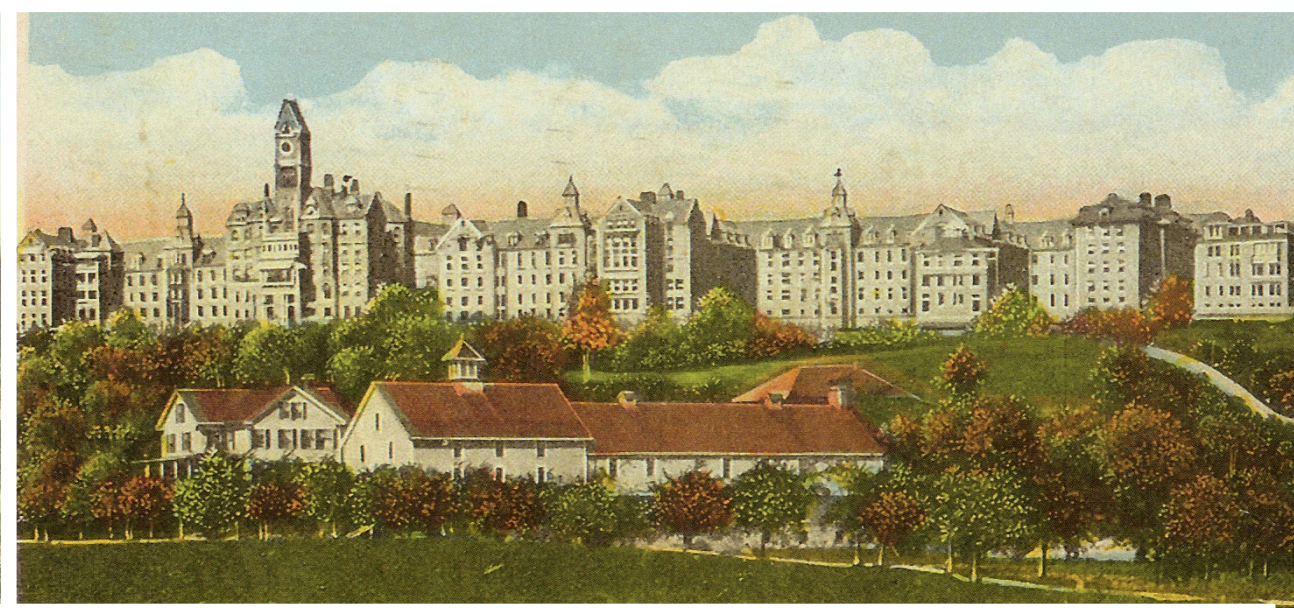
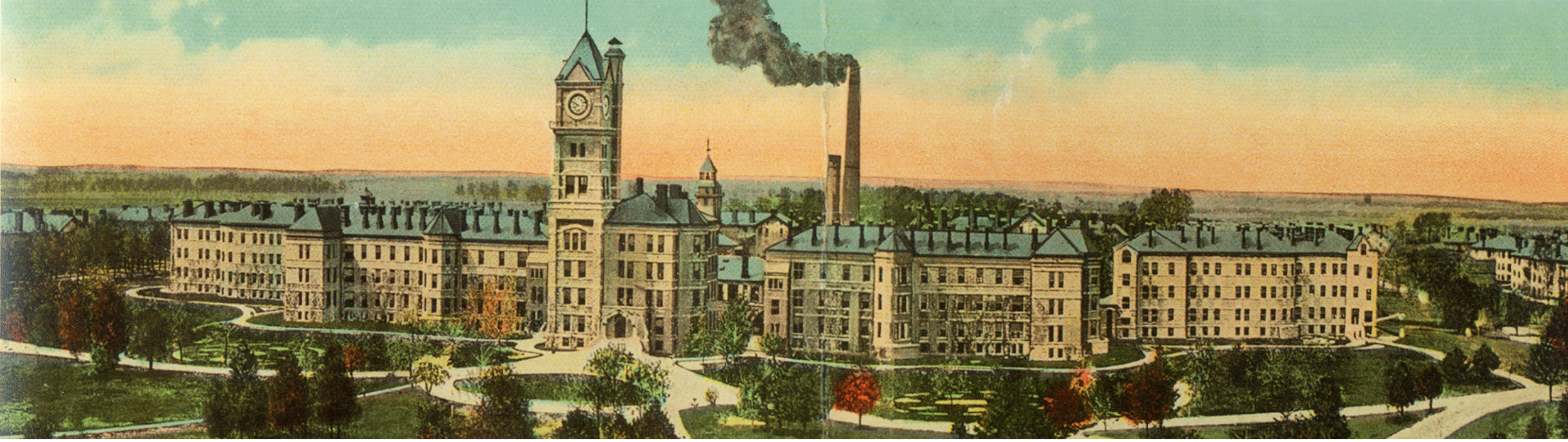
**Schizophrenia** is the most severe of all mental illnesses. The most common symptoms include auditory hallucinations, **visual hallucinations**, **delusions** (fixed false beliefs that do not fluctuate with contrary evidence), disorganized thinking and disorganized behavior. Patients who suffer from schizophrenia struggle with differentiating what is real and what is not real in their environment.

**Bipolar Disorder** is an illness affecting emotional control. Bipolar Disorder presents with extreme emotional highs and lows. The emotional dysfunction associated with Bipolar Disorder often results in racing thoughts, grandiose delusions and strange behavior.

A combination of **Schizophrenia and Bipolar** disorder is called **Schizoaffective Disorder**. This mental illness is characterized by the emotional fluctuations of Bipolar Disorder in addition to the hallucinations and unusual delusions of Schizophrenia.

**Major Depression** is one of the most common of all mental illnesses. While sadness is a normal emotion that everyone experiences from time to time, Major Depression is an extreme form of sadness and despair that results in an inability to be motivated or perform daily activities.





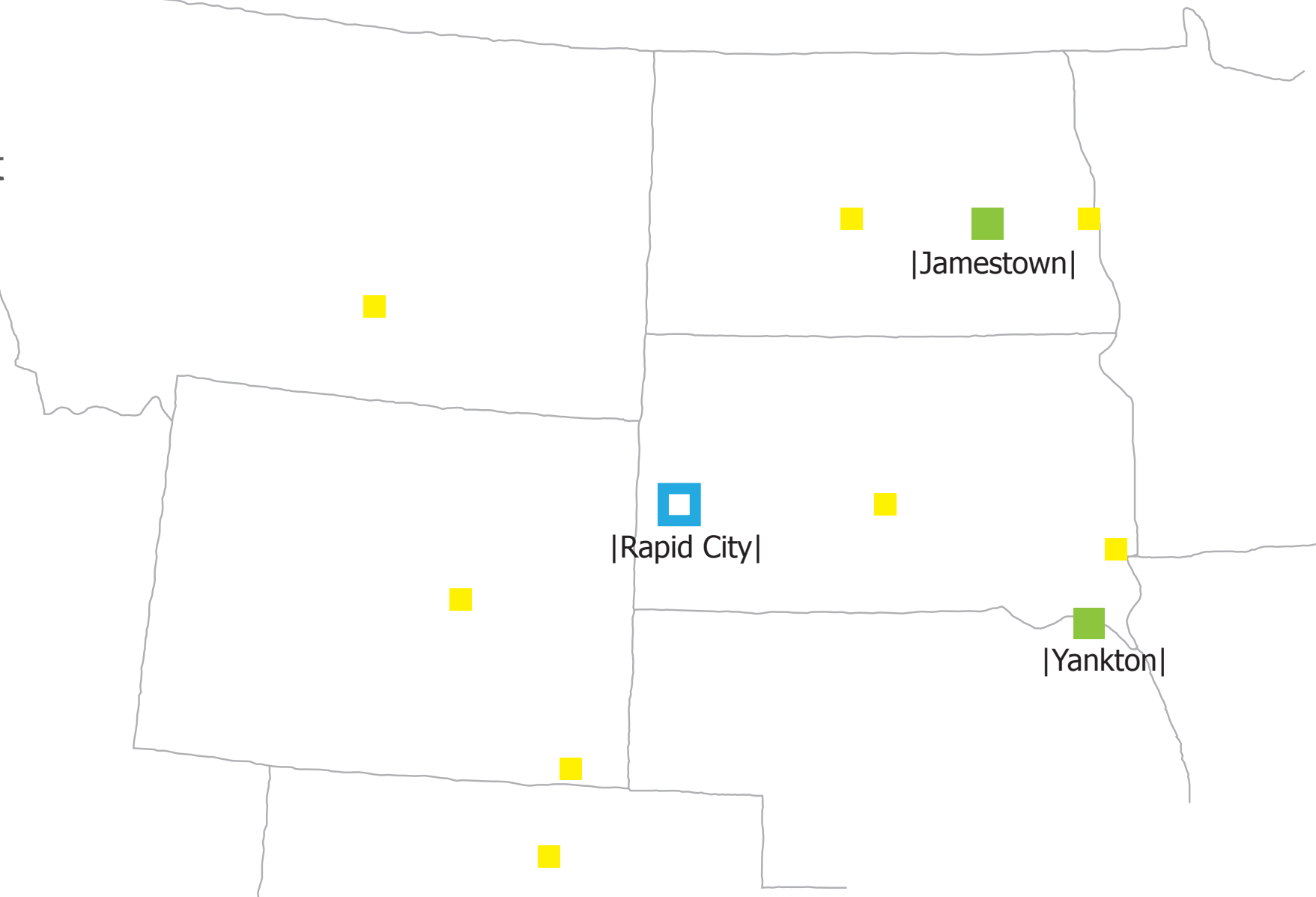
Historic  
Postcards

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## |Region|

South Dakota's current psychiatric hospital is located in Yankton, SD. This single State hospital services the entire state of South Dakota, as well as five surrounding states (Nebraska, Iowa, Minnesota, Montana and Wyoming).

■ |Major cities|    □ |Proposed city|    ■ |Surrounding Psychiatric Hospitals|



Site  
Description



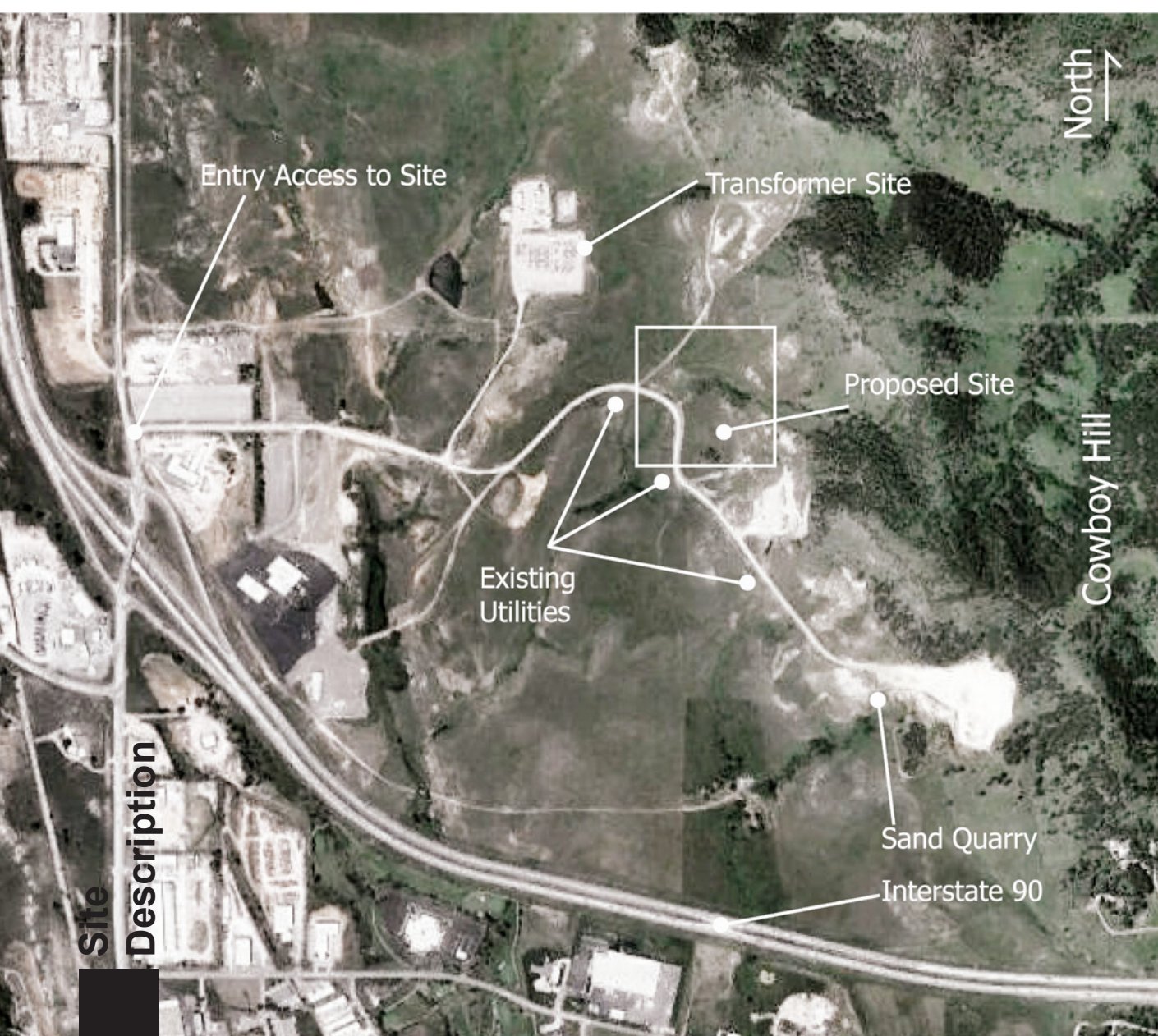


East View  
Cowboy Hill

Because society utilizes space to distance its' most challenging and difficult citizens, the distance from the proposed site to the city proper provides a security boundary.



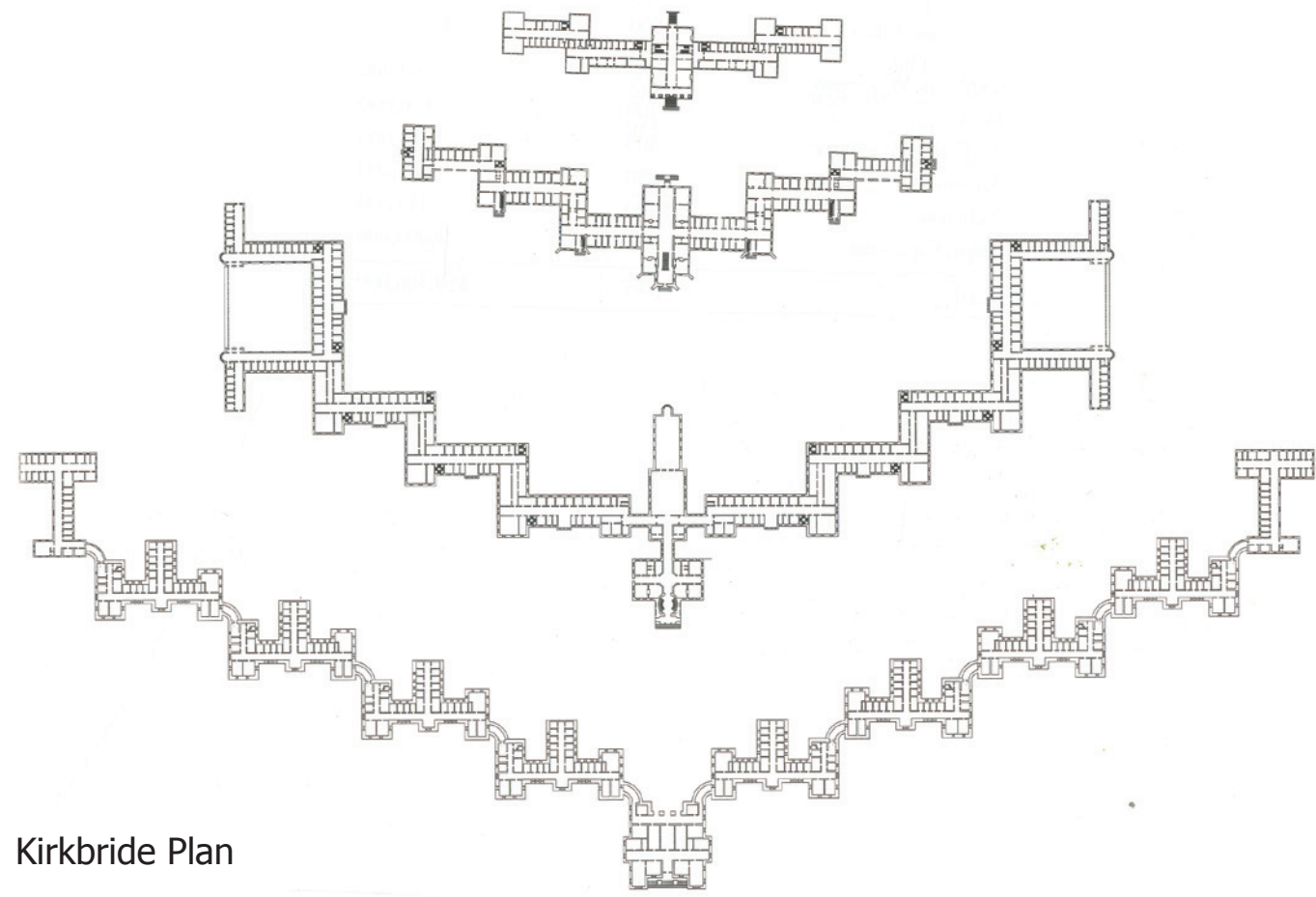
North View



South View



West View



Kirkbride Plan



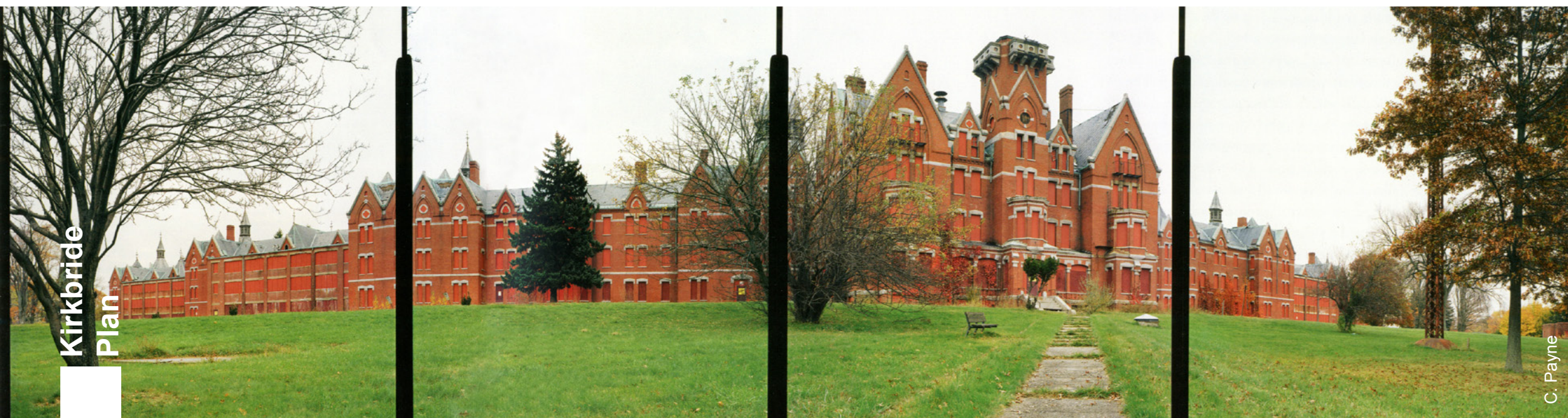
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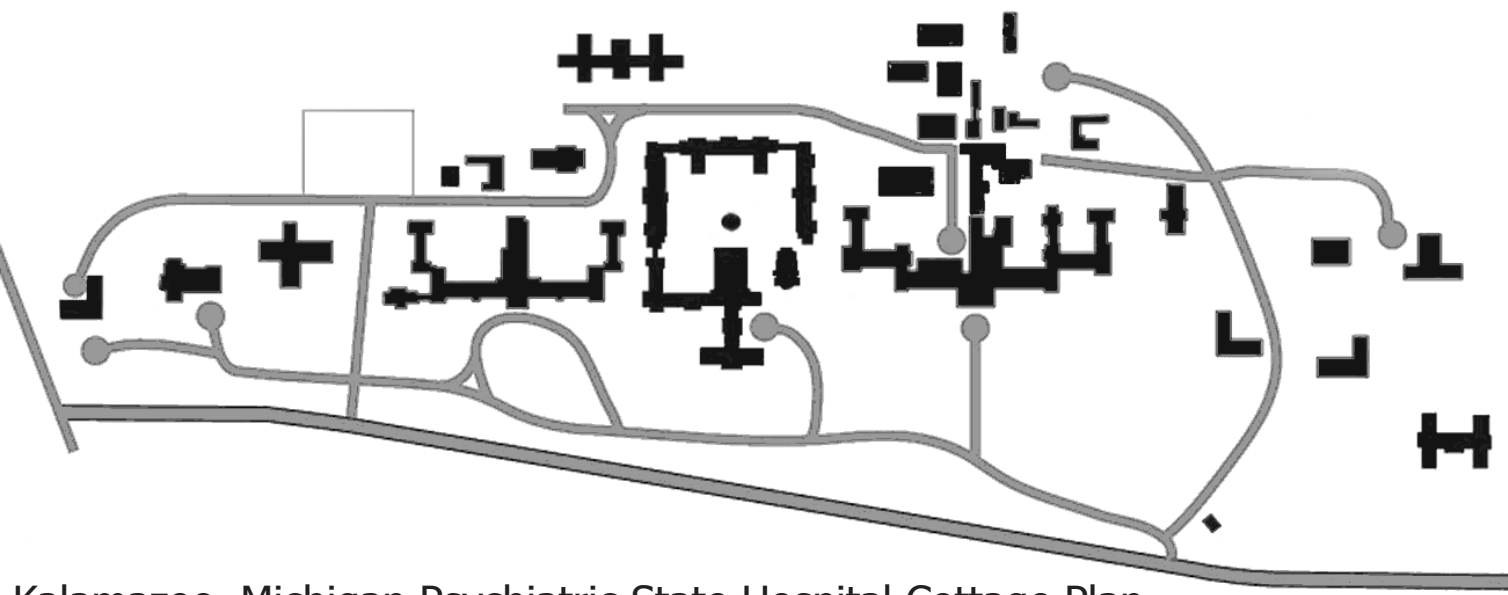


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Kirkbride Plan

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Kalamazoo, Michigan Psychiatric State Hospital Cottage Plan



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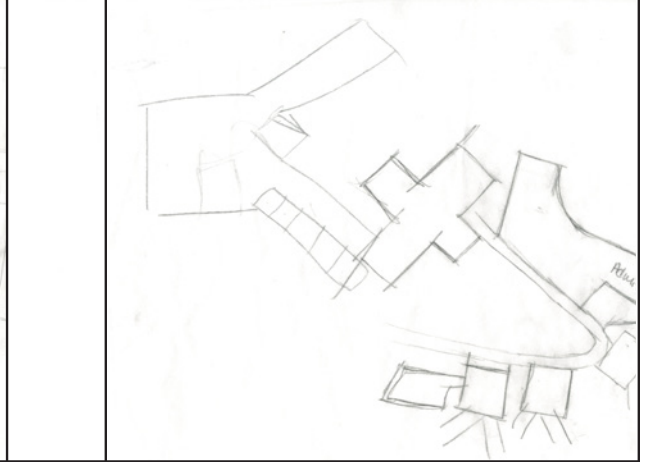
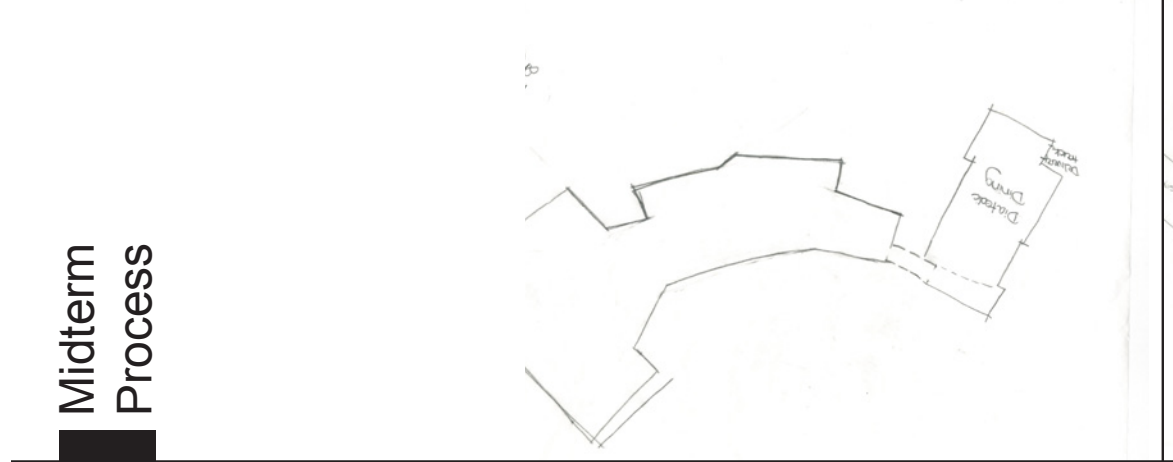
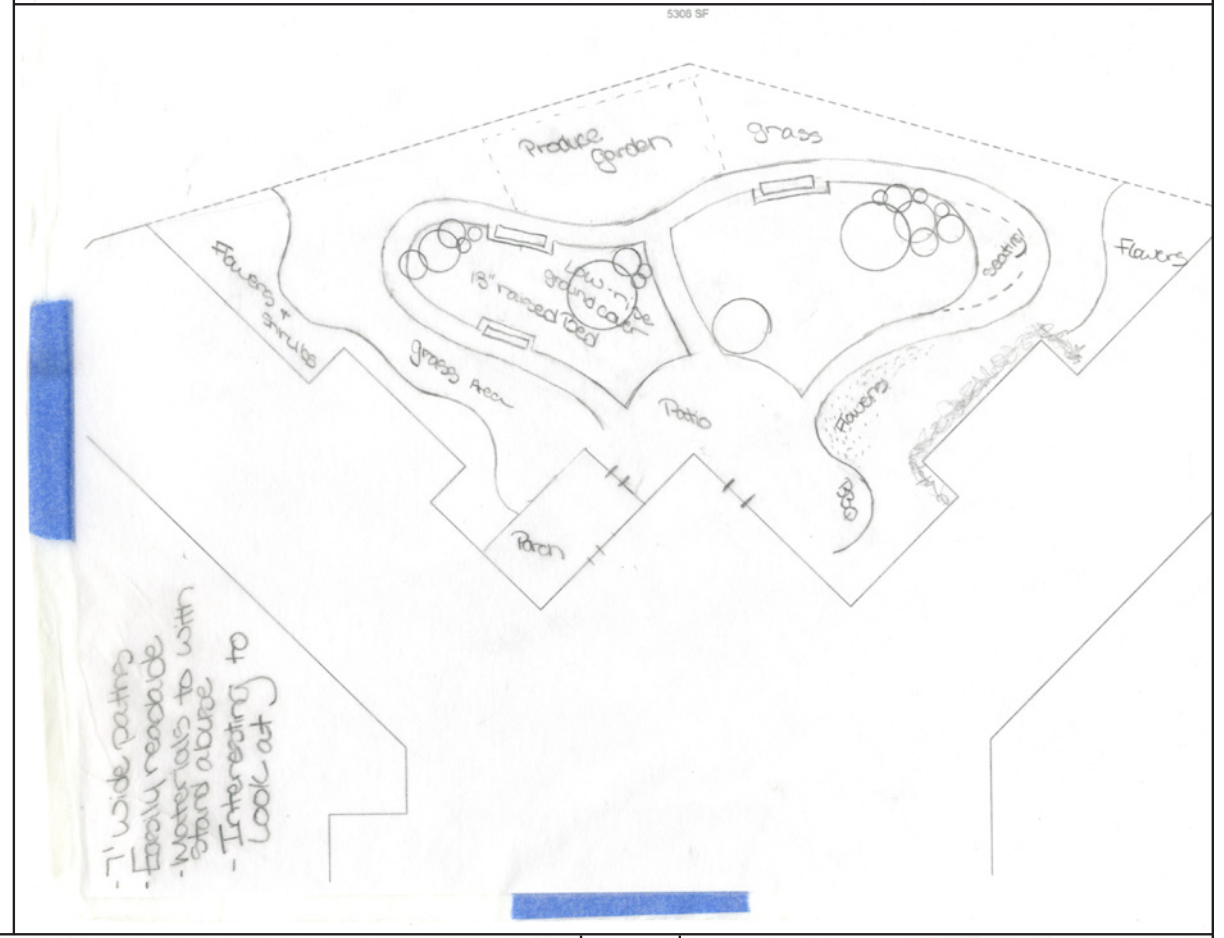
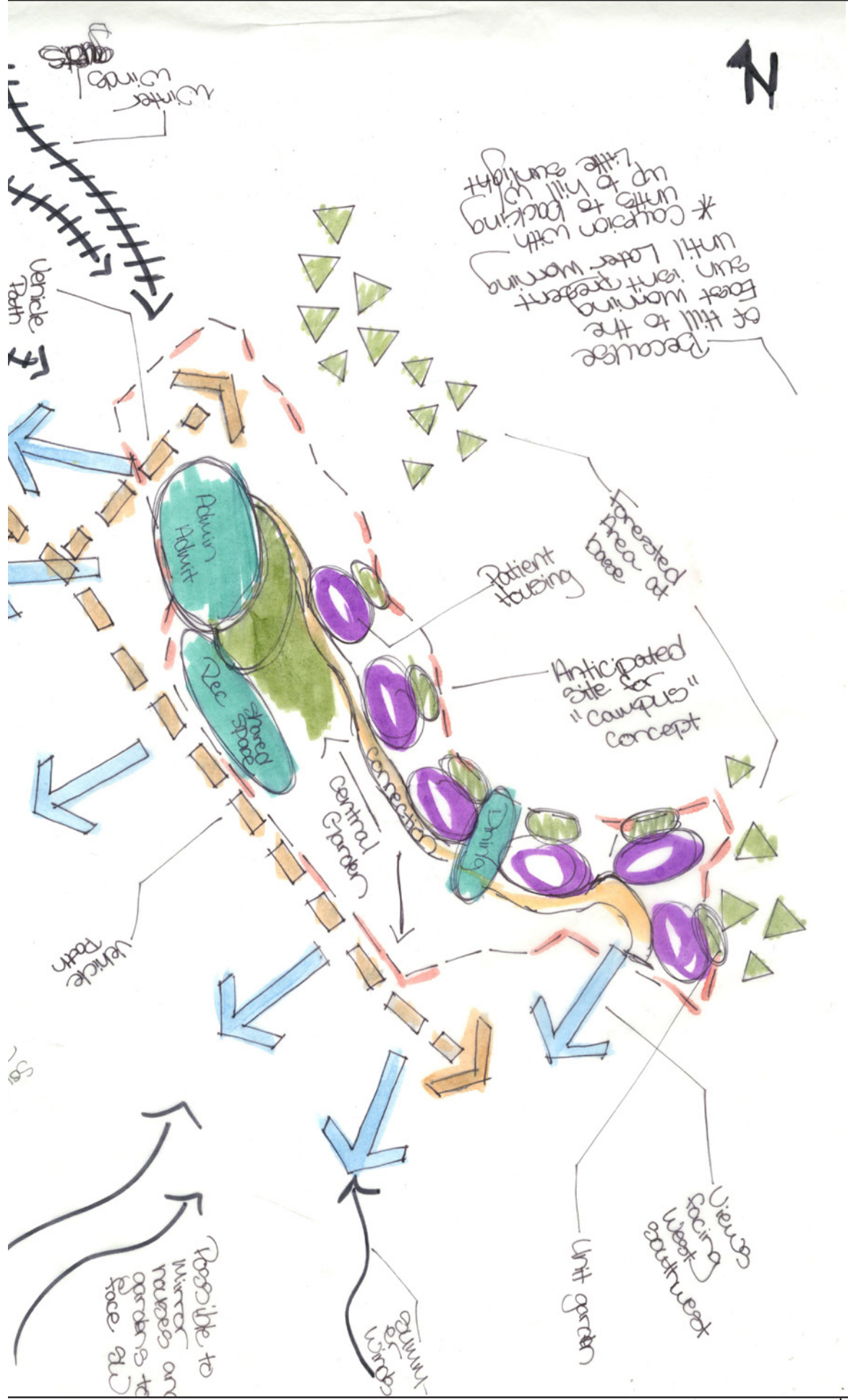
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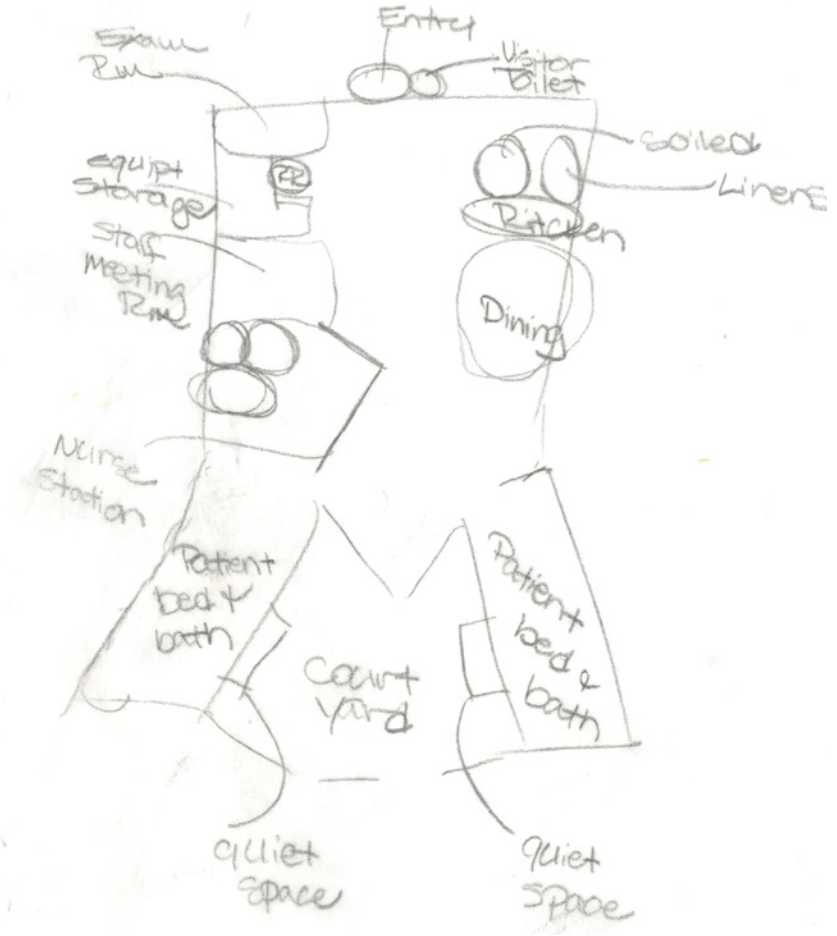
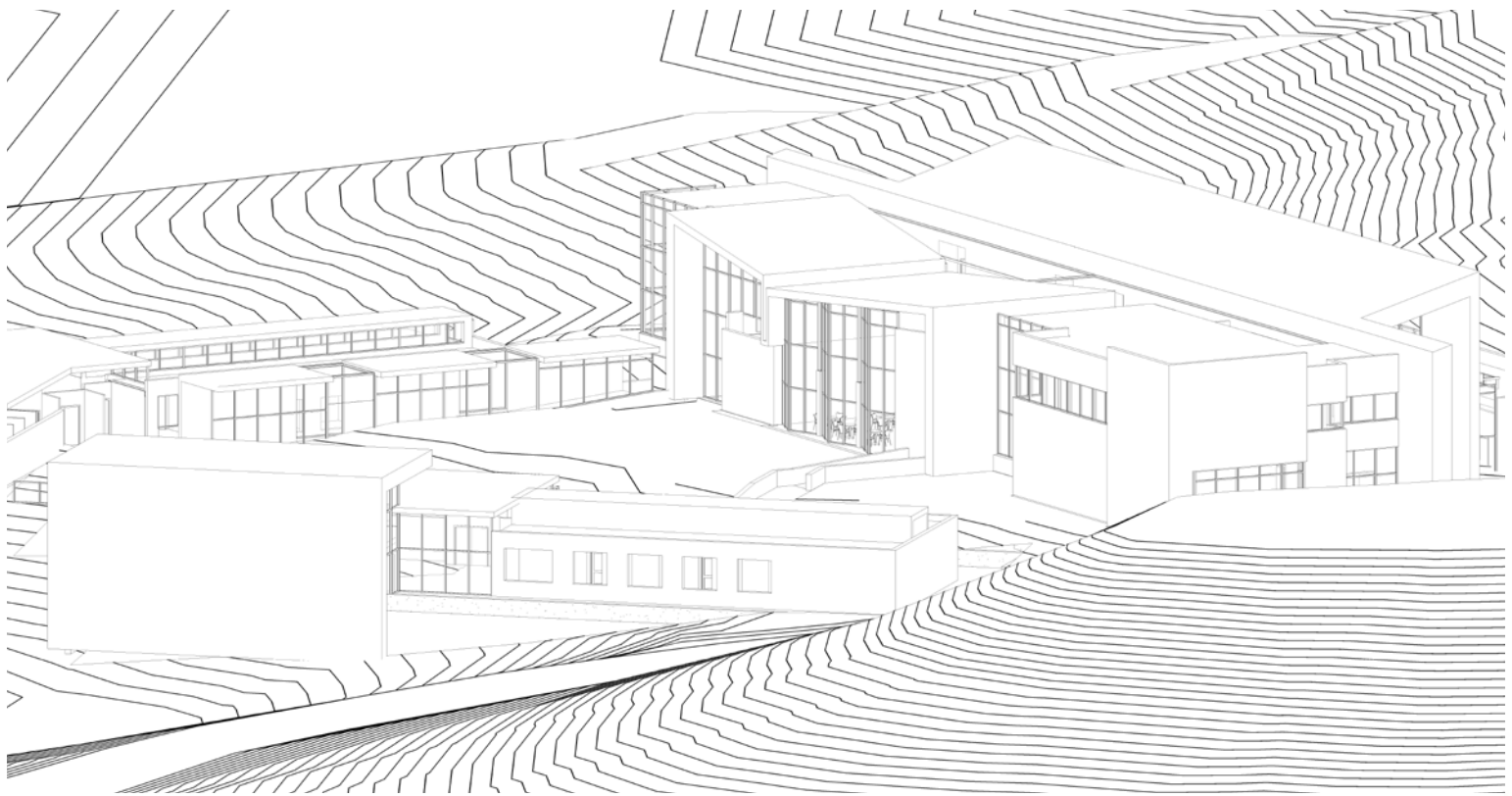
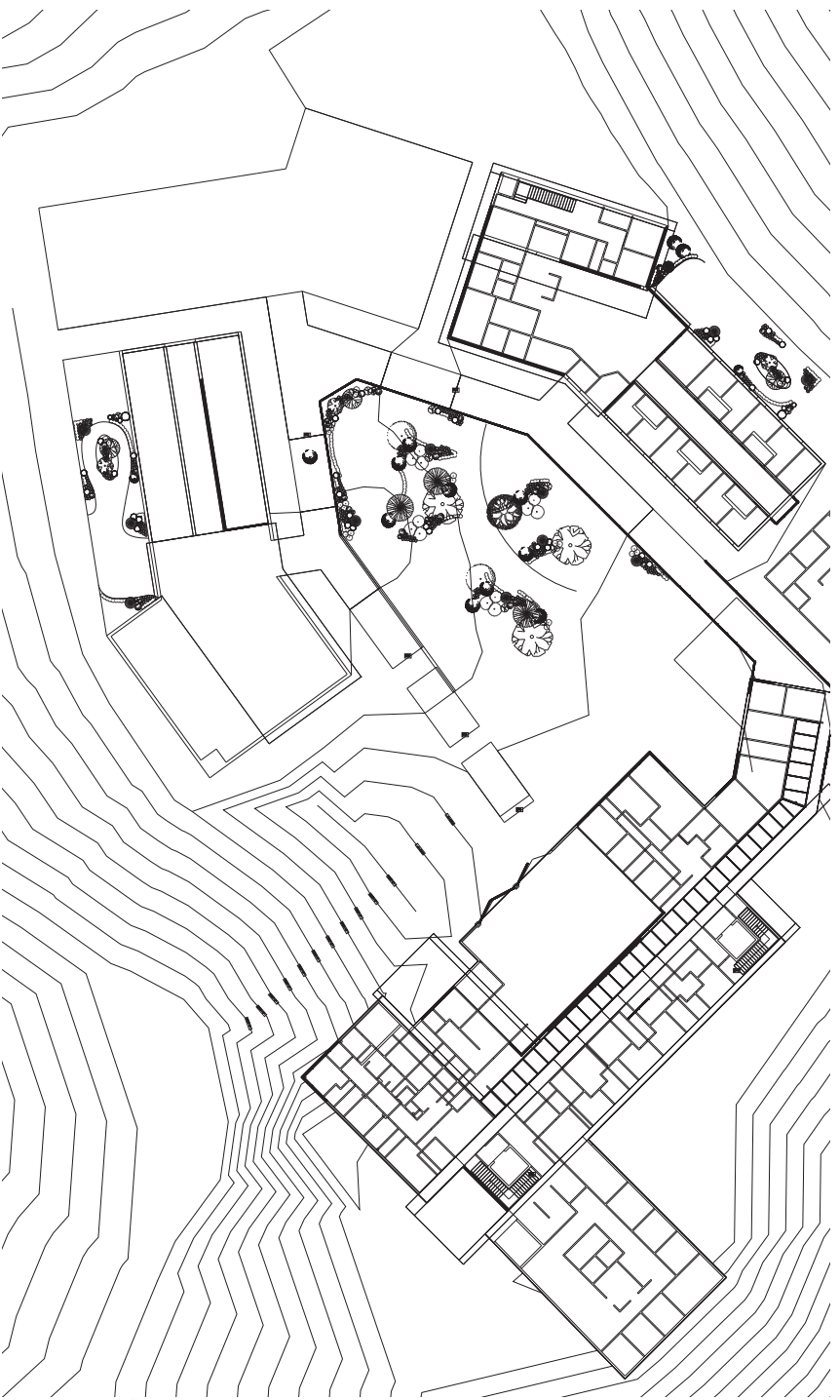
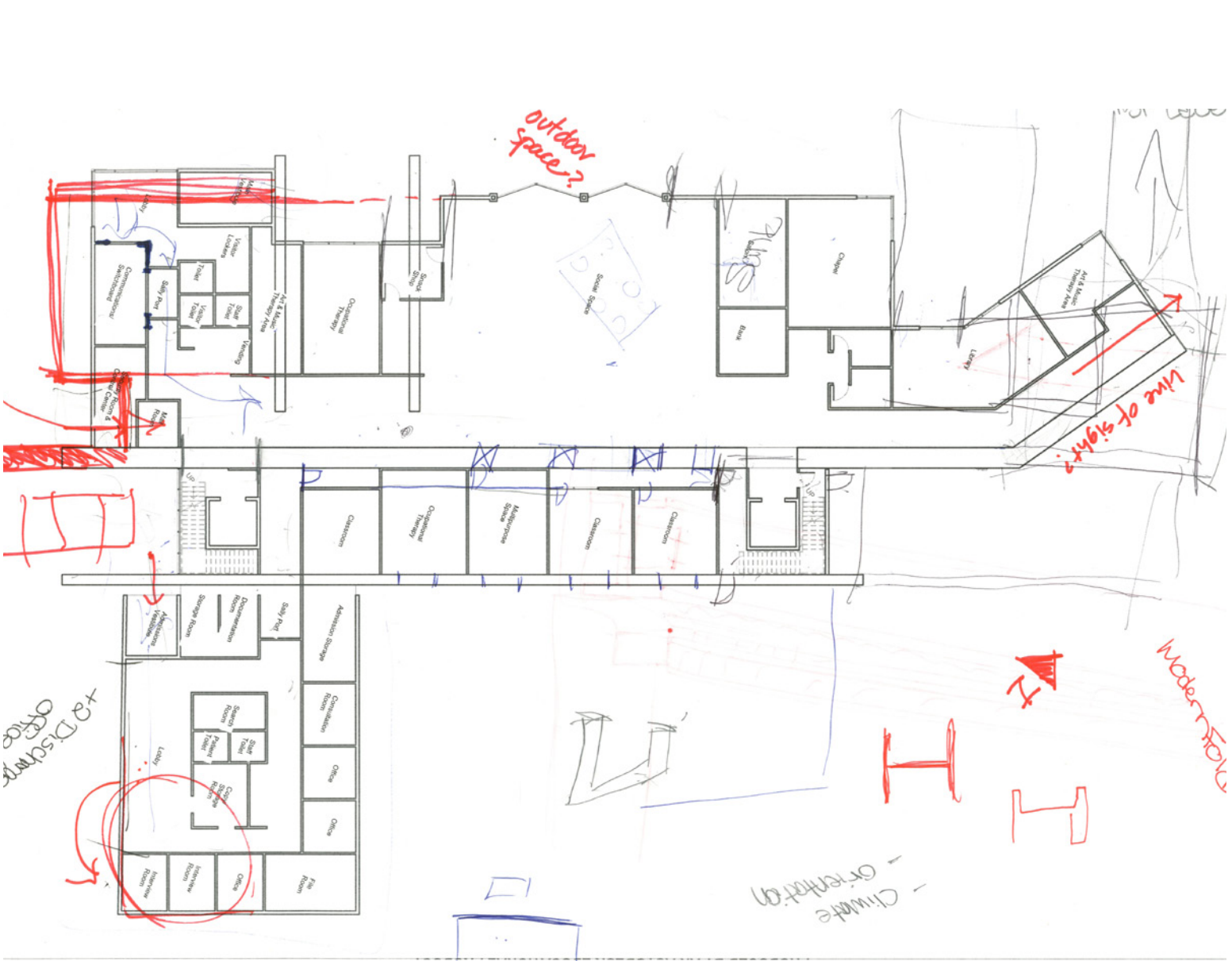


Cottage  
Plan

Preserve SD

Midterm Process





Midterm Process

# Patient Cabin 1 | 2

# Admission Area

# Main Facility

- 43 Patient Laundry
- 44 Nurse Station
- 45 Kitchen
- 46 Housekeeping
- 47 Soiled | Clean Linen
- 48 Equipment Storage
- 49 Seclusion
- 50 Documentation Area
- 51 Social Worker Office
- 52 Medication Room
- 53 Day | Night Charge Nurse
- 54 Dining | Common Space
- 55 Quiet Area
- 56 Patient Room
- 57 Visitation | Consultation Space

- Admission Entry 14
- Luggage Storage 15
- Interview Room 16
- Search Room 17
- Consultation Room 18
- Discharge Office 19
- Documentation Area 20
- Medical Records 21
- Admission Storage 22

- 1 Guest and Visitor Entry
- 2 Communications | Security
- 3 Classroom | Small Group Room
- 4 Occupational Therapy
- 5 Physical Therapy
- 6 Commercial Kitchen
- 7 Snack Shop
- 8 Quiet Area
- 9 Salon
- 10 Chapel | Multifunctional Area
- 11 Art and Music Area
- 12 Library
- 13 Janitorial | Mechanical Closet



Floorplans

- Patient Access
- Administration
- [with] Staff Escort
- Learning | Skills
- Admissions
- Visitor | Guest
- Staff

1 | 30 scale

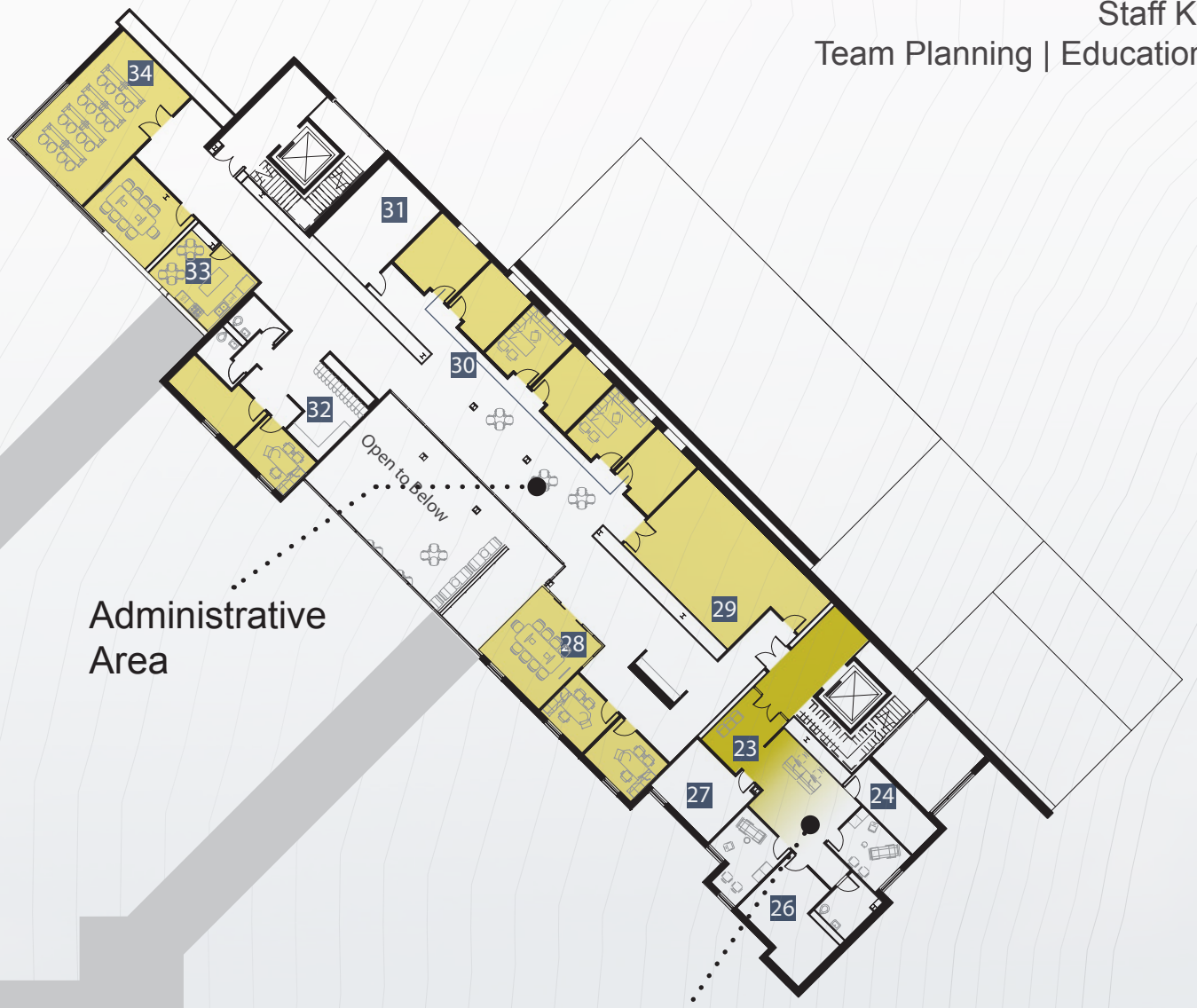
**Main Facility First Level** 15,911 sq ft.  
**Patient Cabin First Level** 18,062 sq ft.





# Main Facility Second Level

- Clinic 23
- Medical Storage 24
- Lab Work 25
- Pharmacy 26
- Conference Room 27
- Medical Records 28
- Doctors Office 29
- Mechanical | Janitorial Closet 30
- Copy | Locker Storage 31
- Staff Kitchen 32
- Team Planning | Education Area 33



Administrative  
Area

Medical Clinic

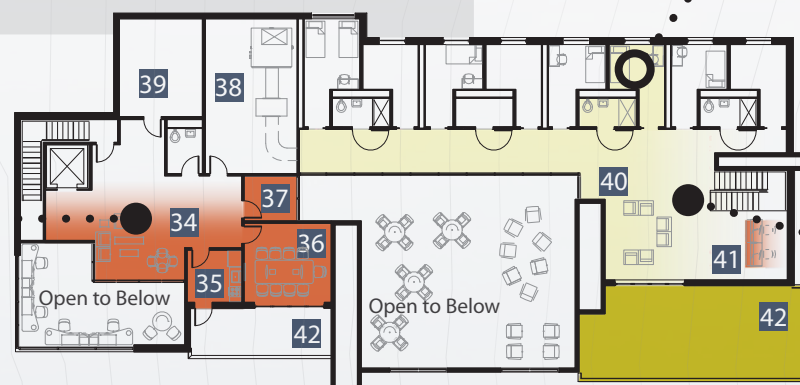
- Patient Access
- Administration
- [with] Staff Escort
- Learning | Skills
- Admissions
- Visitor | Guest
- Staff

# Patient Cabin Second Level

- Staff Common Space 34
- Staff Kitchen 35
- Planning | Meeting Room 36
- Office 37
- Mechanical 38
- Patient Storage 39
- Common Space 40
- Nurse Station 41
- Outdoor Access 42

**Patient Cabin  
Second Level  
Similar**  
5322 sq ft

Patient Rooms



Staff Access

Quiet Areas

- Patient Access
- Administration
- [with] Staff Escort
- Learning | Skills
- Admissions
- Visitor | Guest
- Staff

Floorplans

1 | 30 scale

**Patient Cabin  
Second Level** 5051 sq ft

Mechanical  
Area .



Administrative |  
Staff Parking .



Mechanical |  
Plumbing Area





Main Facility  
Social Space

Patient Library  
Yankton | South Dakota



15 foot ceilings to enhance an open feeling. Earth-tone wooden ceiling to de-institutionalize the environment and enhance an open feeling

Suspended ceiling lights with 5 pound pull weight restrictions

As psychiatric patients recover, reading and multi-media entertainment are critical to restoring concentration and attention. Patients often congregate in the library to study about their mental illness, listen to music, watch movies and read their local newspapers. Library settings offer a "normalized" environment for social interactions.

Floor to ceiling windows for lighting and view

Large, heavy comfortable lounging chairs

Books, tapes, books on tape, CD's, newspapers, computers

Accent stone tiled fireplace for comfort and atmosphere

Patient Library

Neutral patterned carpet for noise reduction

Breezway Interior  
Taunton | Massachusetts





**Connection Hallway**  
Yankton | South Dakota





Removal of Oversized lighting and replacement of ambient atmosphere

• Earth tone wooden ceilings to de-institutionalize the environment

Floor to ceiling bubble water features to promote calming emotions through sight and sound

• Large landscape windows overlooking the horizon

• Aroma therapy sections with pleasing smells

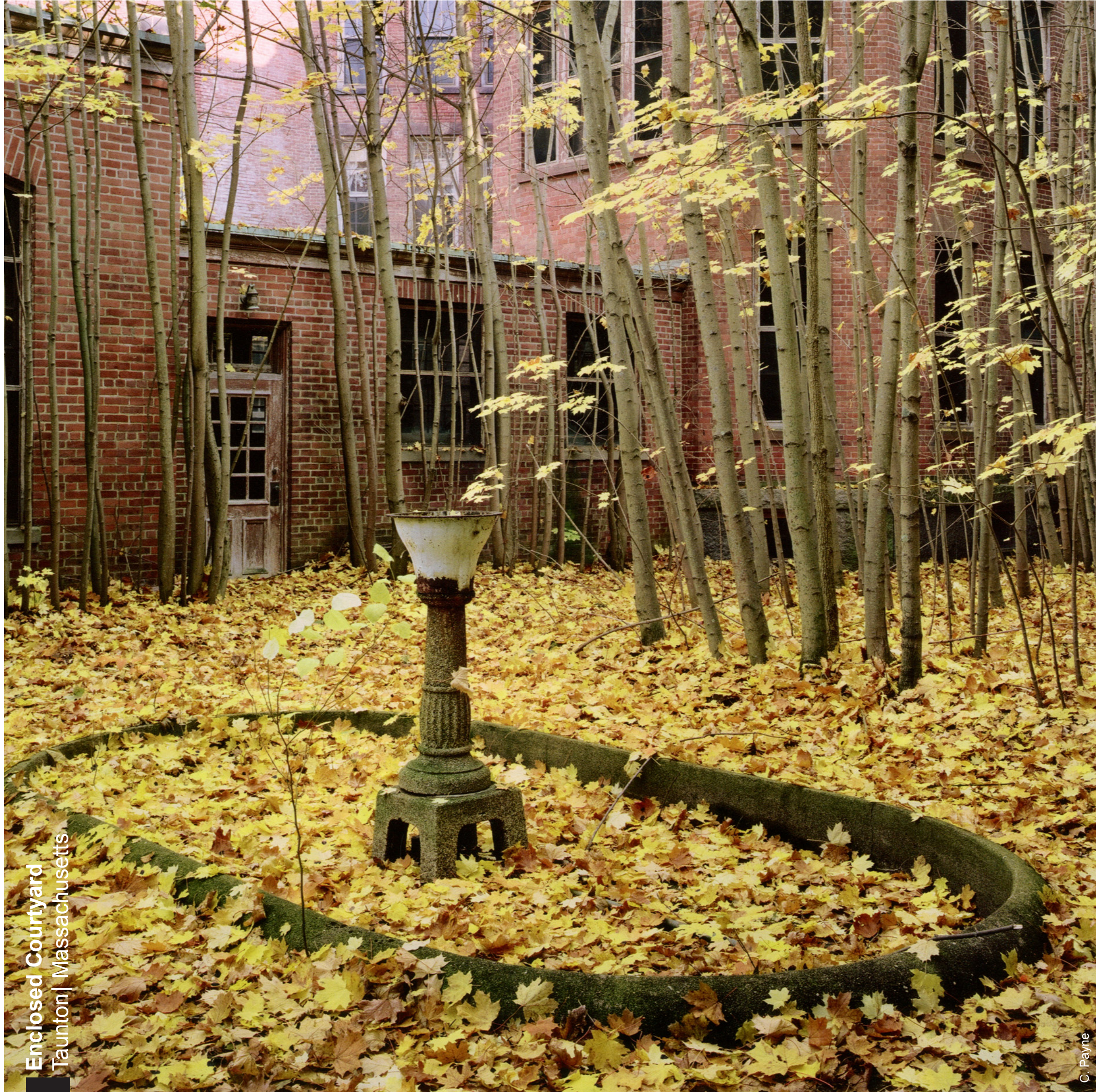
Solid floor tiles to reduce visual stimulations (hallucinations)  
Tiled floors for cleanliness

Spacious, comfortable lounging chairs and coffee tables to encourage participation in social interactions

A Sensory Experience  
Psychiatric patients spend a great deal of time walking the hallways. These spaces are critical to orienting patients to their environment as well as offering open areas for quiet meditation and social interaction.

**Connection  
Pathway**

Enclosed Courtyard  
Taunton | Massachusetts





Enclosed Courtyard  
Yankton | South Dakota

Patients respond positively to the calming effects of the outdoors. In this unique space, patients have an opportunity to warm themselves in the sunlight, enjoy the gentle sounds of a waterfall, engage in playful activities and build social relationships.

Trees strategically spaced within the central section of the garden, away from rooftops (to discourage unauthorized leave from the hospital)

Social gathering  
Exercise and recreational activities  
Relaxation and meditation

Rippling waterfall wall for senses stimulation

Wood mulch to reduce the potential for broken windows

fragrant flowers and flowering plants for sense stimulation and patient therapy

Retaining wall benches  
Low level shrubs along outside perimeter of the garden space

Concrete walking paths lined with colorful shrubs and bushes

Enclosed Courtyard



Patient Lounge  
Hudson River | New York





Tim	Case Manager	Ar
Patrick	Josh	Ed
Jesse (Anthony)	Brady (Danie)	1.5
Lori	Elizabeth	
Patricia	Mike	Bre
Judy	Larry	Man
	James	Sev
	Billy	Eha
		Tar



Dayhall  
Yankton | South Dakota

Enclosed upper level to ensure patient safety

Open to Below second level for a less institutional atmosphere

Accent stone tiled fireplace for comfort and atmosphere

Pocket doors for security and safety on patient rooms

180° Swing doors on bathrooms

Large, heavy comfortable lounging chairs

Wooden floors for cleanliness and infection control

Neutral patterned carpet for noise reduction

Separate dining area from lounging areas

Patient Cabin  
Dayhall





Patient Bedroom  
Preston | Connecticut

**Patient Bedroom**  
Yankton | South Dakota



Large landscape window

Anchored, built-in bed frames with removable mattresses

Psychiatric patients are often physically disorganized during their hospitalization. Patient rooms are deliberately simple, yet functional, to ensure individual privacy and adequate space to be "messy".

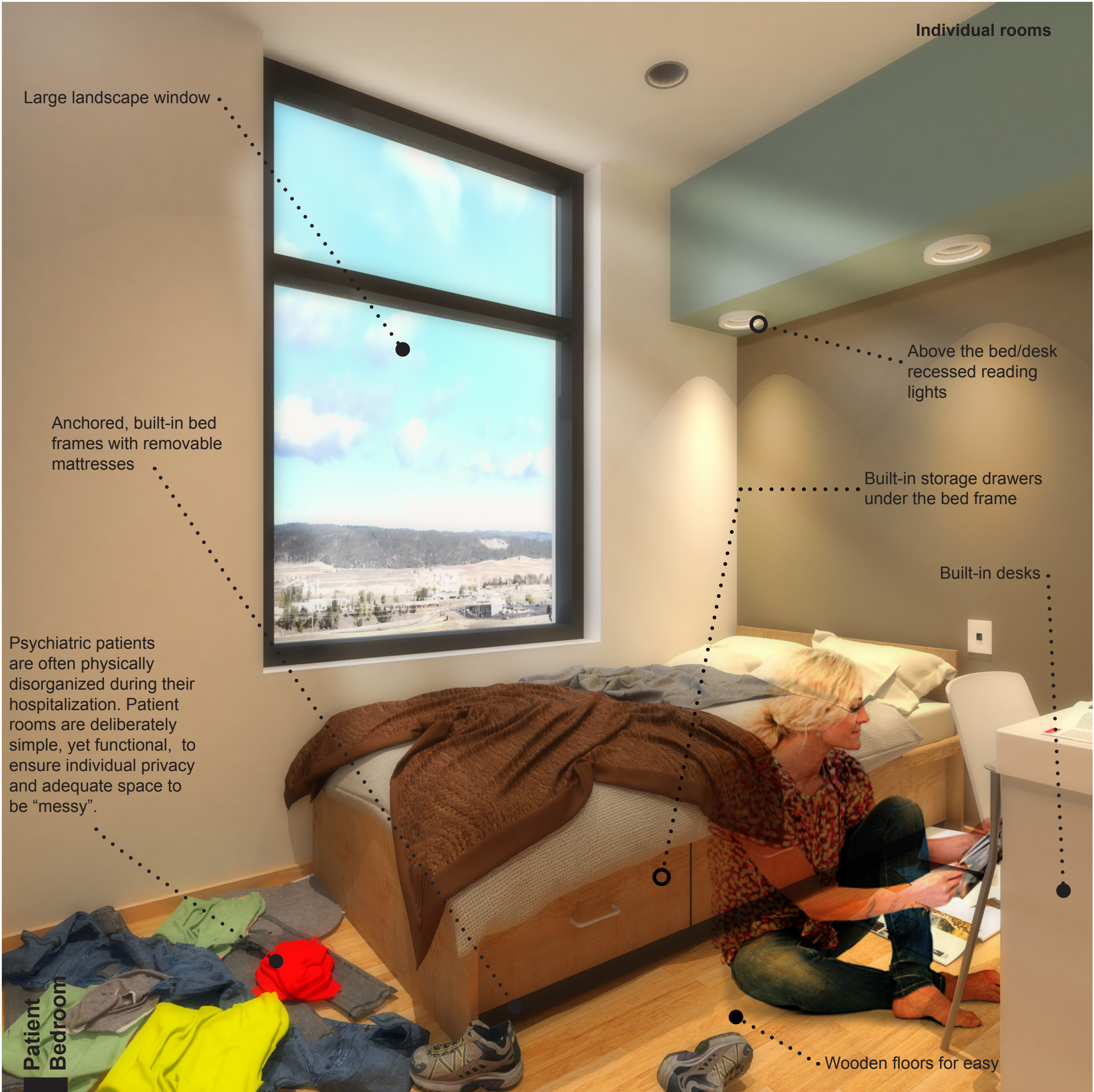
Patient Bedroom

Above the bed/desk recessed reading lights

Built-in storage drawers under the bed frame

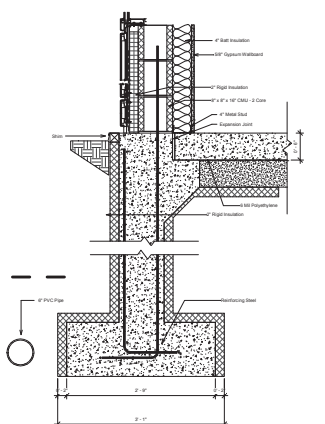
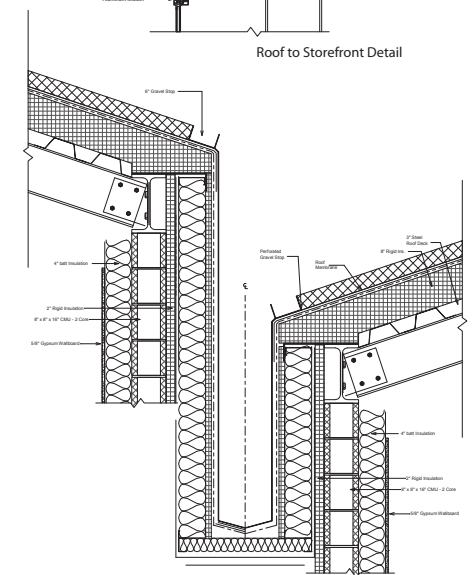
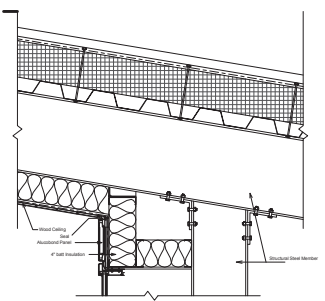
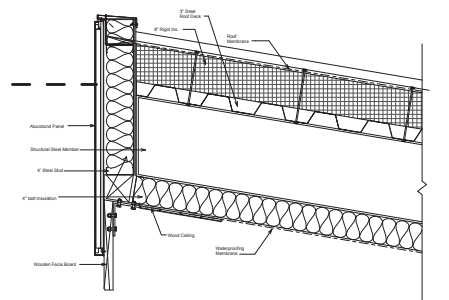
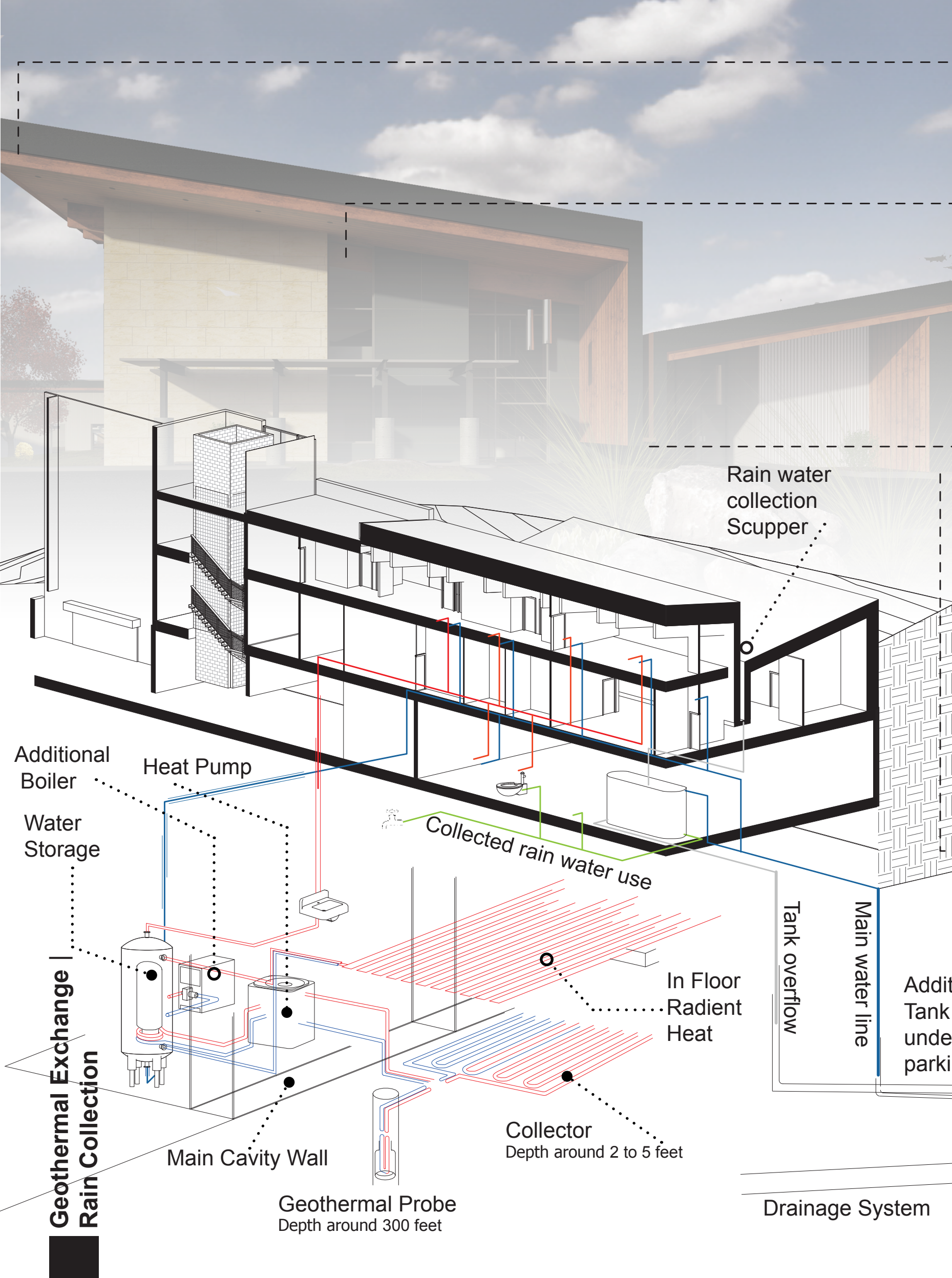
Built-in desks

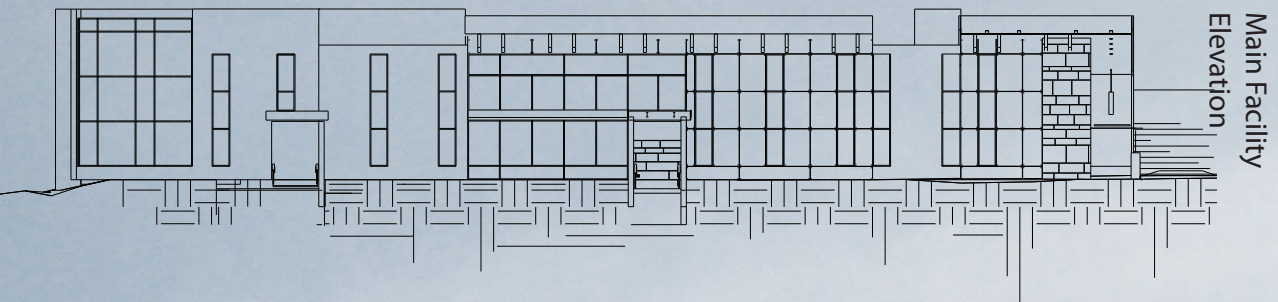
Wooden floors for easy



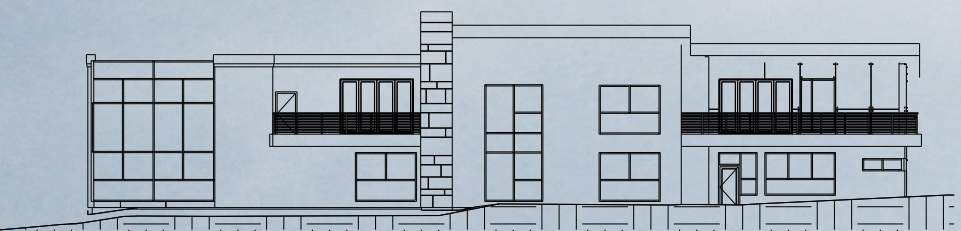
Water treatment Plant  
Danville | Pennsylvania



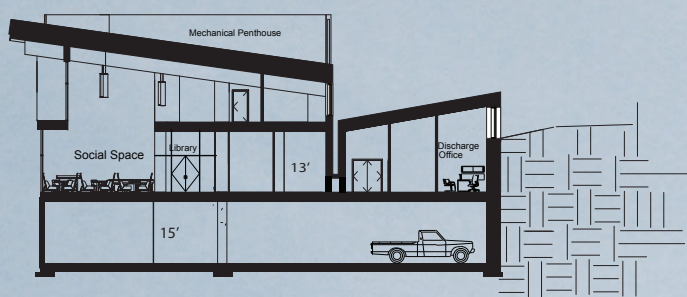




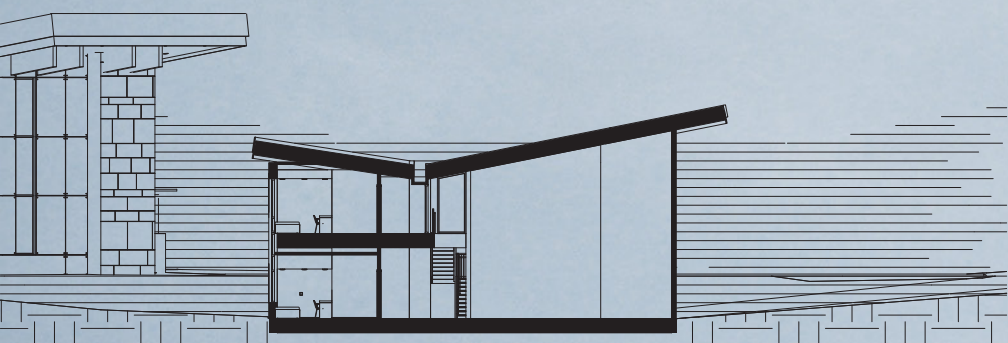
Main Facility  
Elevation



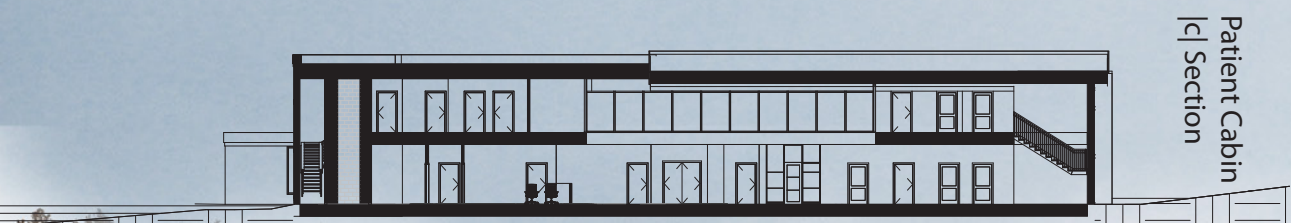
Paient Cabin  
Elevation



Main Building  
|a| Section



Patient Cabin  
|b| Section



Patient Cabin  
|c| Section

