

Healthcare Design Studio

NJOOD BOKHARI | JUSTIN DIEPPA | MIKE ZAHR







PROJECT OVERVIEW

Reception & Lounge

1. Patient Reception and Lounge
2. Family Toilet
3. Wheelchair Storage
4. Vending Area
5. Family Consult
6. Child Life Storage

Preparation & Recovery

1. Patient Preparation & Recovery
2. Patient Toilet
3. Isolation Patient Prep / Recovery Room
4. Isolation Toilet
5. Patient Play Area
6. Nursing Station
7. Medication Room
8. Nourishment Room / Alcove
9. Crash Cart Alcove
10. Clean Supplies
11. Soiled Utility
12. Staff Toilet
13. Environmental Services Room

Post Anesthesia Care

1. Post-Anesthesia Care Bay
2. Post-Anesthesia Isolation Room
3. Nursing Station
4. Crash Cart Alcove

Surgery Suite

1. Control Station
2. Operating Room
3. Scrub Alcove
4. Stretcher Alcove
5. Sub Sterile Room
6. Clean Core / Supplies Room
7. Equipment Storage
8. Medication Room
9. Anesthesia Workroom
10. Soiled Utility Room
11. Environmental Services Room

Support Areas

1. Men's Locker
2. Men's Toilet
3. Womens Locker
4. Women's Toilet
5. Staff Lounge
6. Frozen Section Laboratory
7. Surgery Department Manager
8. Nurse Manager
9. Surgery Reporting Workstations
10. Billing Manager
11. Scheduling Manager

Surgery Education

1. Conference Room
2. Surgery Simulation Room
3. Team Briefing / Debriefing

Andrew is a youtube celebrity who suffers from severe panic attacks and anxiety. Music is a form of tranquility and therapy for his condition.

Andrew | 15 / M / FL

Interests:

- Video games
- Social Media
- Skating
- Music



Summer has a neurological disorder which requires repeating physical therapy based on her bodies reactions. Adopted at birth, Summer is starting to question her condition and birthparents.

Summer | 6 / F / FL

Interests:

- Outdoors and nature
- Hide and go seek
- Styling her hair
- Drawing



A homosexual couple who adopted a foreign ethnic child. They are mainly concerned with acceptance and equality of them as a family. Agatha loves and understands she has two dads but is often teased in school about not having a mother.

Michael | Agatha | Tyrone

Interests:

- Family gatherings
- Gardening
- Arts & Crafts
- Wine Connoisseur
- Cooking



Yenay | 34 / F / 19

Interests:

- Travelling
- Animals
- Yoga & exercise
- Reading

Yenay is a chinese doctor who came to work at the hospital as a part of the alternative medicine program & research team.



Address:

1005 Joe DiMaggio Dr, Hollywood, FL 33021

Mission Statement

At Joe DiMaggio Children's Hospital, our vision is to improve the overall health of the community. We strive to provide safe, high-quality and efficient healthcare with a patient- and family-centered philosophy, along with offering a variety of useful programs to the community.

33021

Population Statistics

Population : 47,461

Male: 23,104

Female: 24,357

Under 5 years	3,118
5 to 9 years	2,748
10 to 14 years	2,276
15 to 19 years	2,085

Ethnicity/Racial Statistics

Hispanic or Latino (of any race) 15,230

Mexican	655
Puerto Rican	2,517
Cuban	3,105
Other Hispanic or Latino	8,953

Not Hispanic or Latino 32,231

White alone	23,962
Black or African American alone	6,406
American Indian and Alaska Native alone	76
Asian alone	895

Native Hawaiian and Other Pacific Islander alone

Some other race alone	166
Two or more races	672
Two races including Some other race	102
Two races excluding Some other race, and Three or more races	570



PRE-DESIGN PRACTICES

APPLICABLE DESIGN ELEMENTS



Imitation of Natural Environment

The use of natural colors, shape, and other natural elements create a sense of outdoor space.



Elements Of Nature

The use of water and natural vegetation will improve the wellbeing of users.



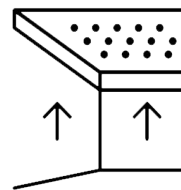
Auditory Stimulation:

Use of nature sounds or music to add elements of distraction for stress relief. Auditory stimulation will also aid in enhancing the imagination of users.



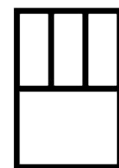
Ceiling Panels

The use of acoustical ceiling panels will help distribute the sound within an interior space.



Dropped Ceilings in Areas

The lowering of ceiling heights in areas of importance or where certain activities are being held will delineate a space. Lowering the ceiling will also help with the distribution of sound.



Windows

Floor to ceiling windows in the reception/lobby will allow visual access of nature to users. Views to the outdoors can increase the wellbeing of users as well as connect the exterior to the interiors.

IMAGINATION is defined as having the ability to create a still image or series of events that one has not experienced or seen or perhaps don't even exist. It allows an individual to explore without limitations of the physical world.

Do you recall your childhood imaginations? Whether it was using your blanket as a cape, creating forts, or pretending your bed was a ship adrift across the sea.

It is important to note that a child's imagination is a natural process of psychological and emotional growth. It is a child's way of developing problem solving skills, exploring possibilities, creating new ways of seeing and being. These thoughts are crucial in developing a child's critical thinking skills. (Goddard, 2011)

This design proposal focuses on the correlation between imagination and the term **DEJAVU**.

This design proposal focuses on the correlation between imagination and the term "dejavu". Dejavu is defined as intuitive experience in which an individual recognizes certain triggers that induce a feeling of

FAMILIARIZATION.

The design focuses on the familiar elements within nature while targeting and triggering the imagination of the individuals experiencing the space. The space targets all users to use their imagination in order to create a world where we coexist together, regardless of age, race, sex or other societal norms.

Facilitating the use of imagination will help the users ease the stress factors associated with such a setting.

TRANSPORTING the user to an imaginative world where one can swim with fishes, skies become rivers, and clouds share the sky with grass pastures.



Fig. 1



Fig. 2

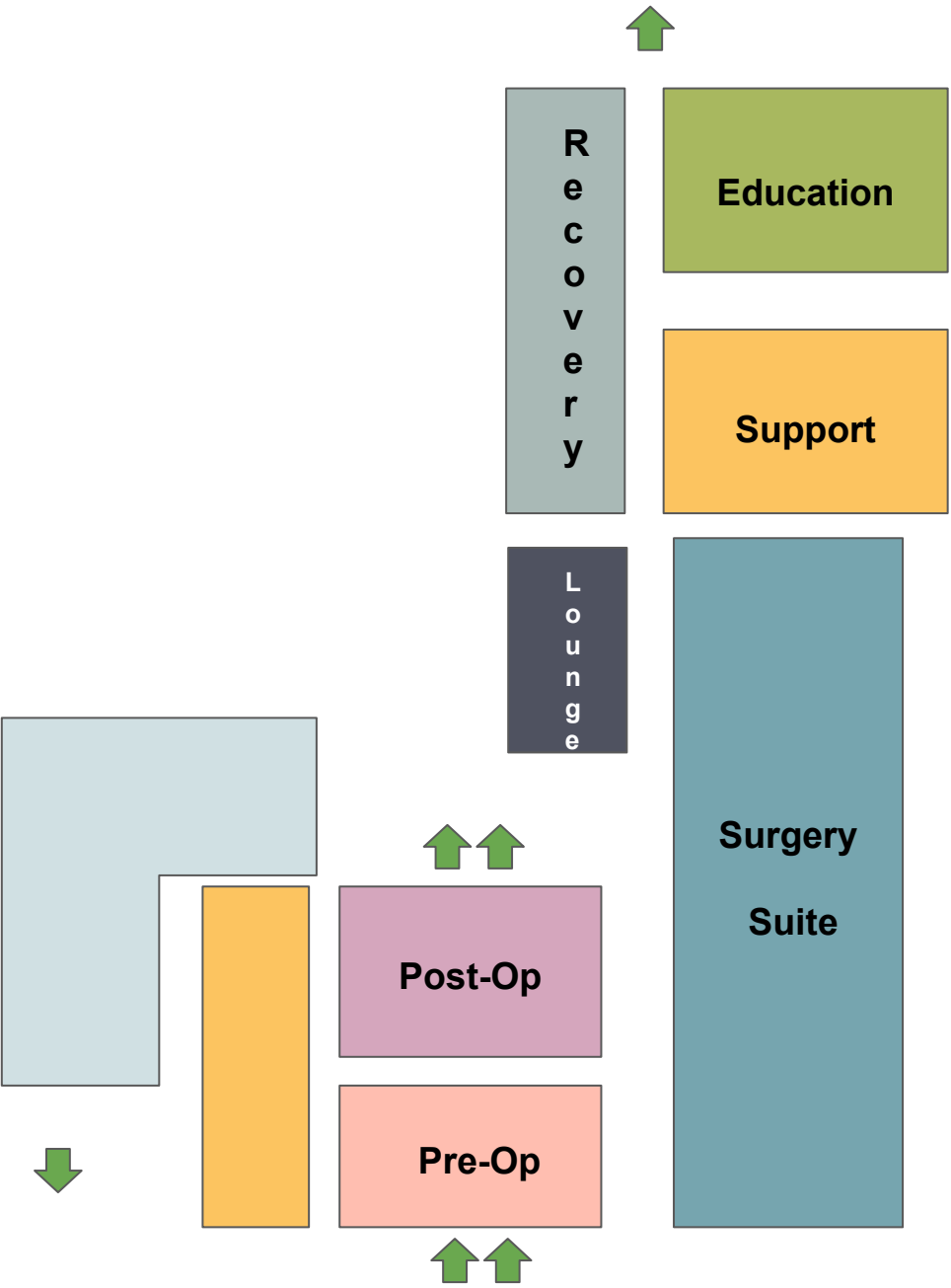
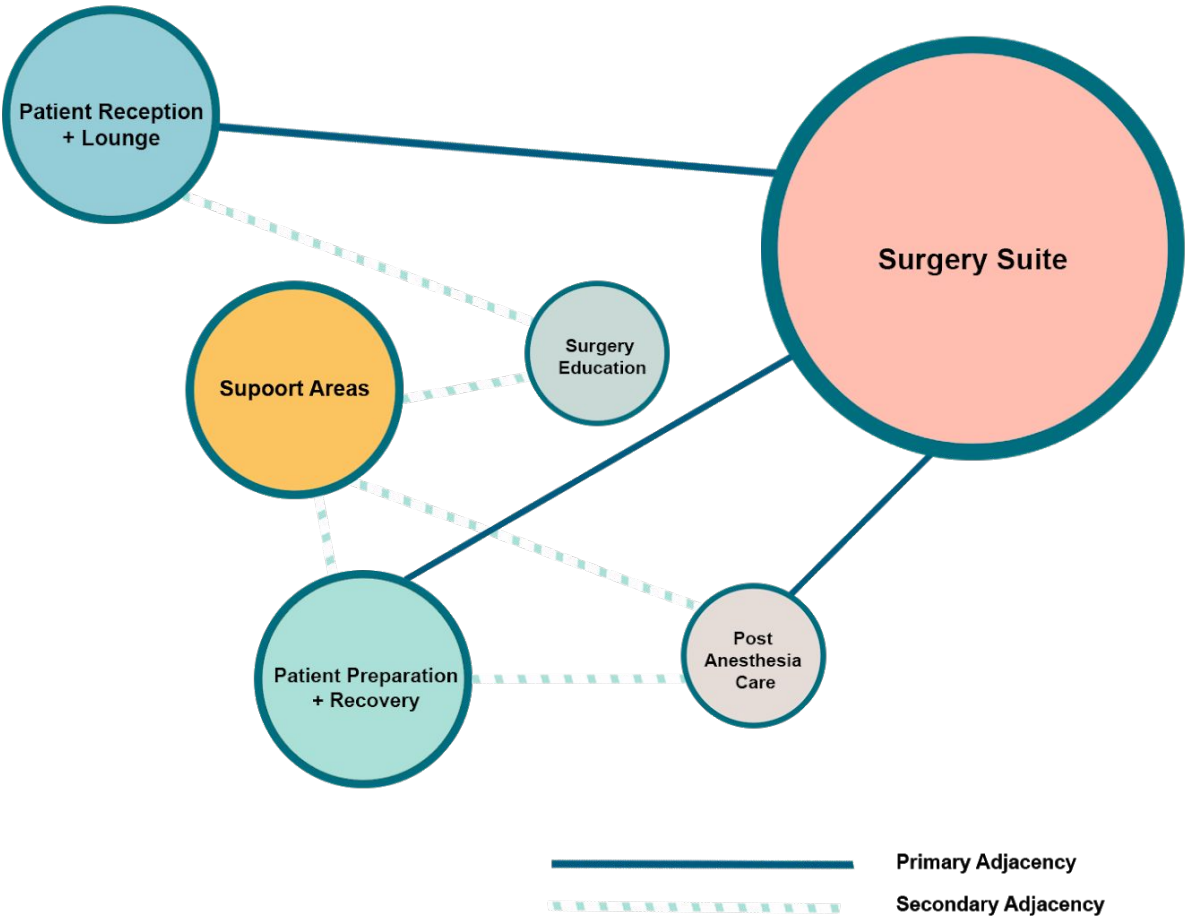


Fig. 3

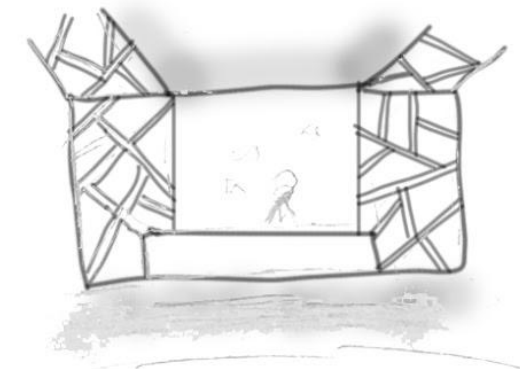
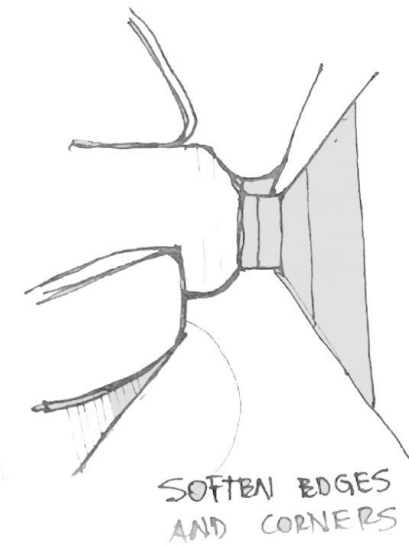
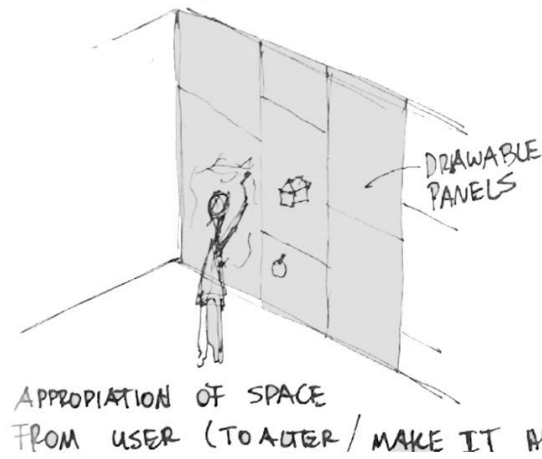
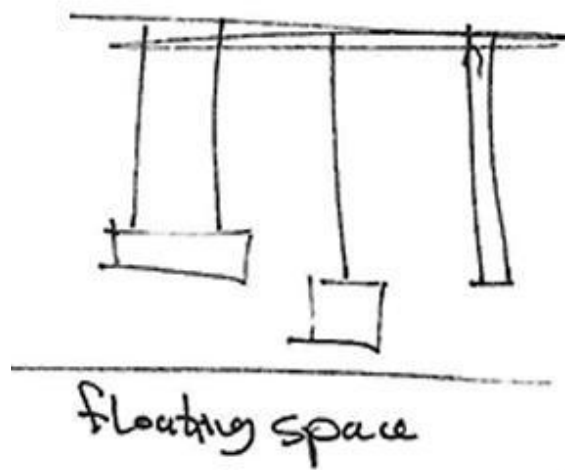
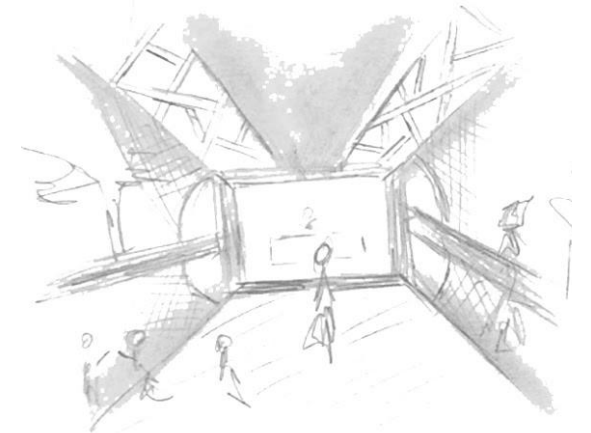
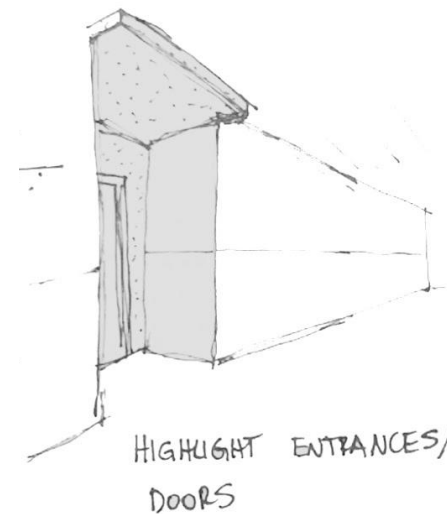
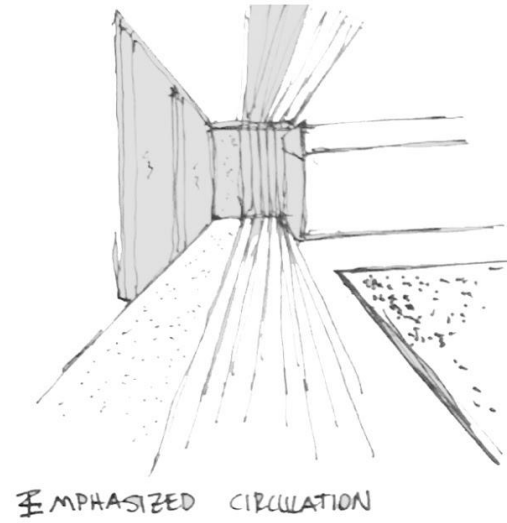
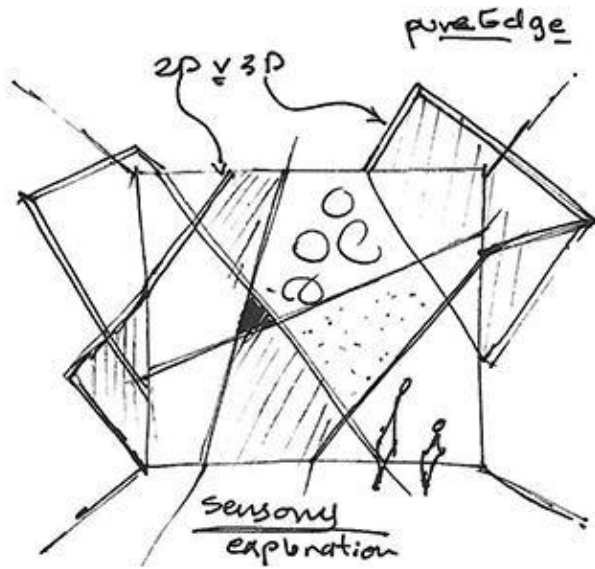
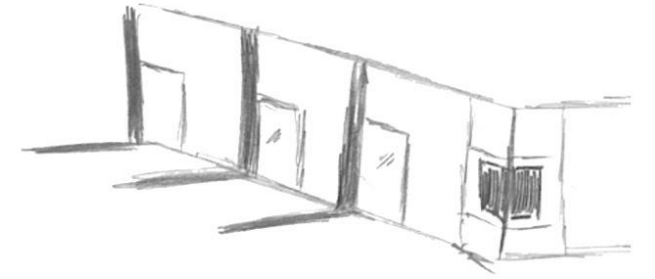
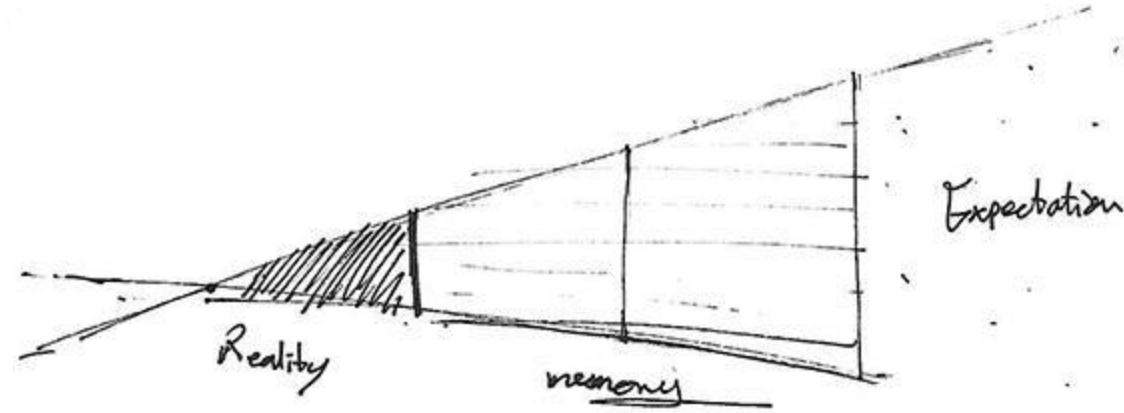
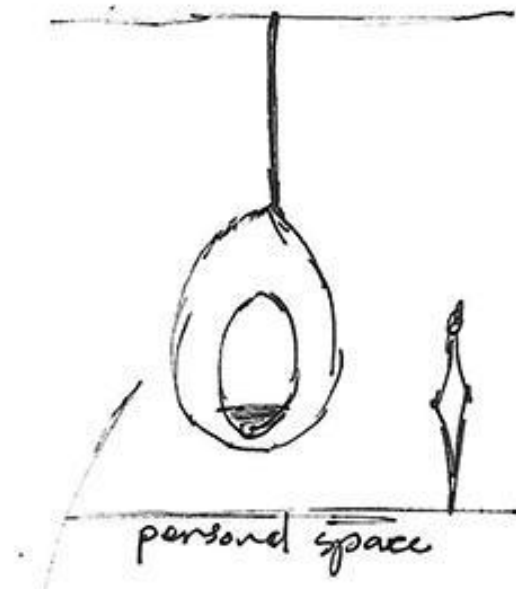
BLOCK DIAGRAM

ADJACENCY DIAGRAM

DIAGRAMS



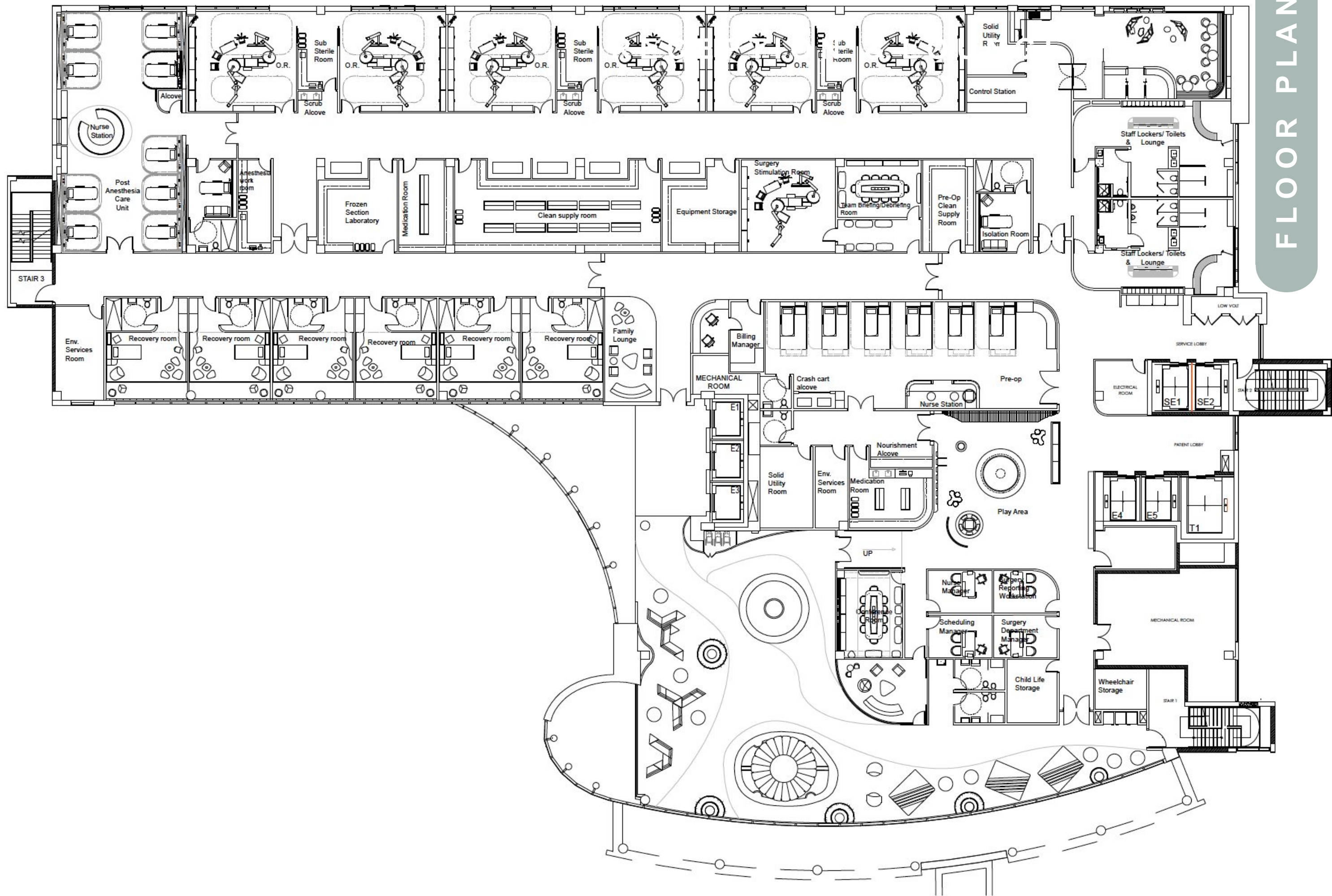
VIGNETTE SKETCHES



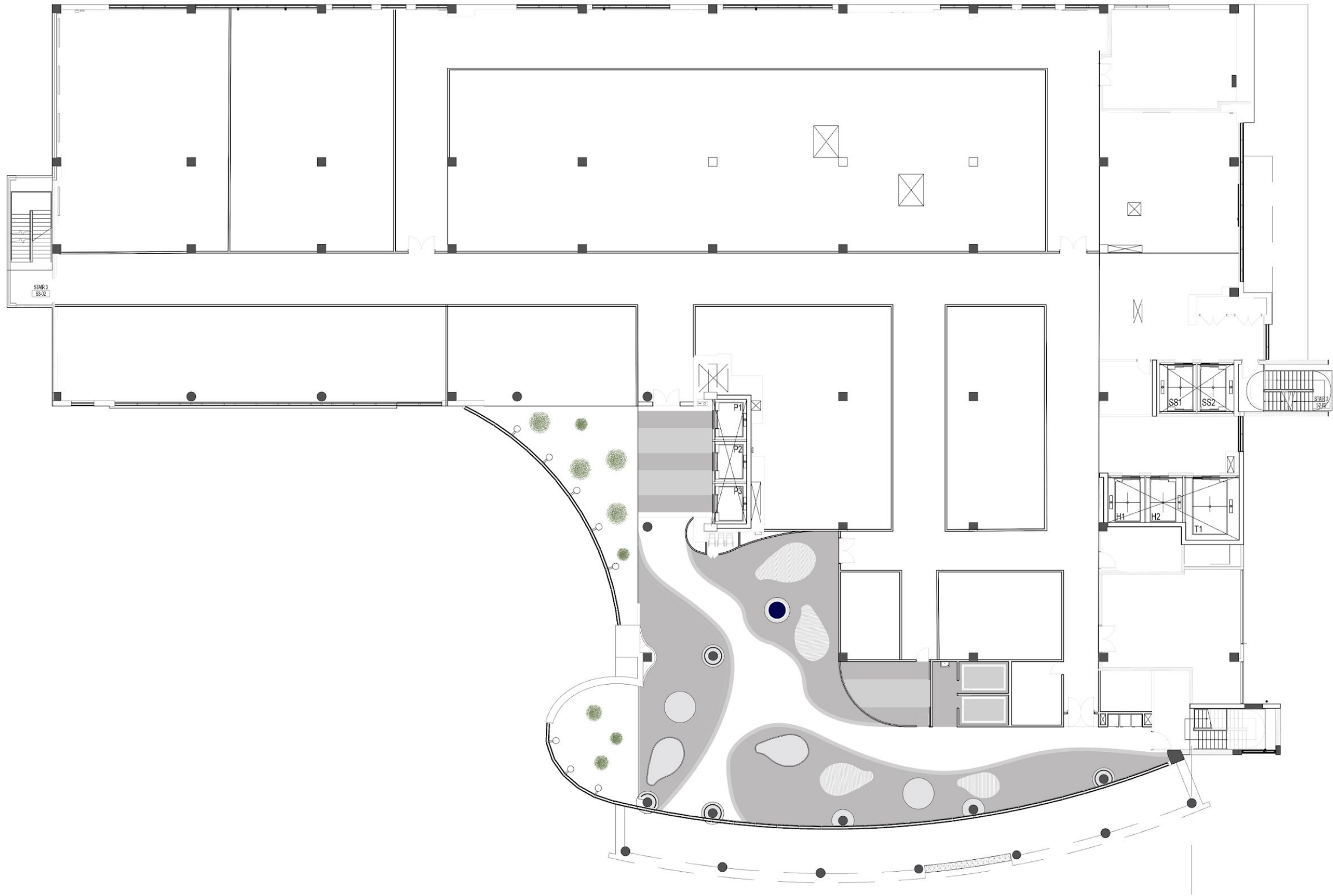
PRE-DESIGN PRACTICES



DESIGN DEVELOPMENT



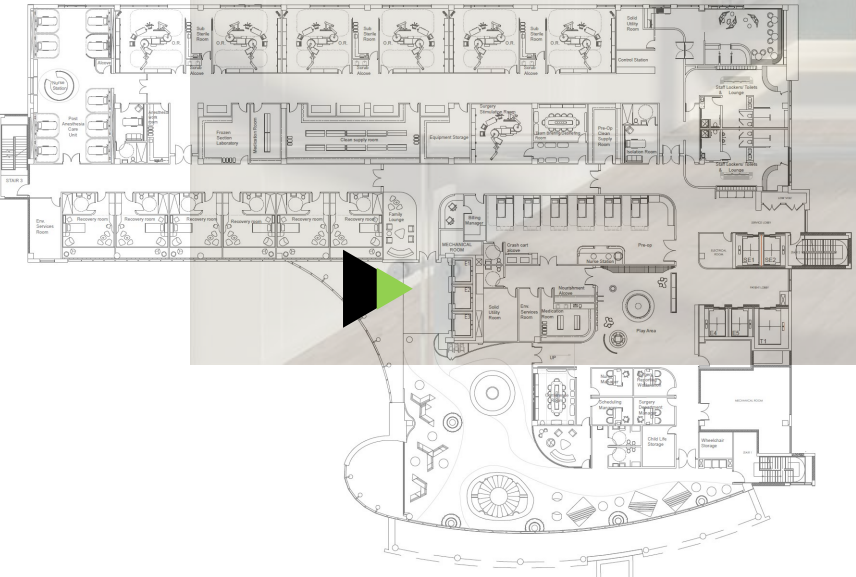
REFLECTED CEILING PLAN



RECEPTION & LOUNGE



LOBBY ENTRANCE

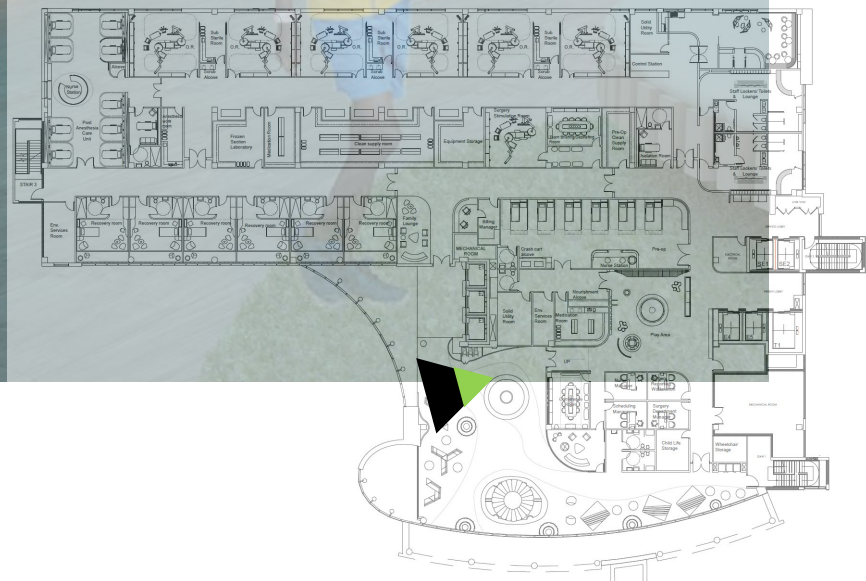
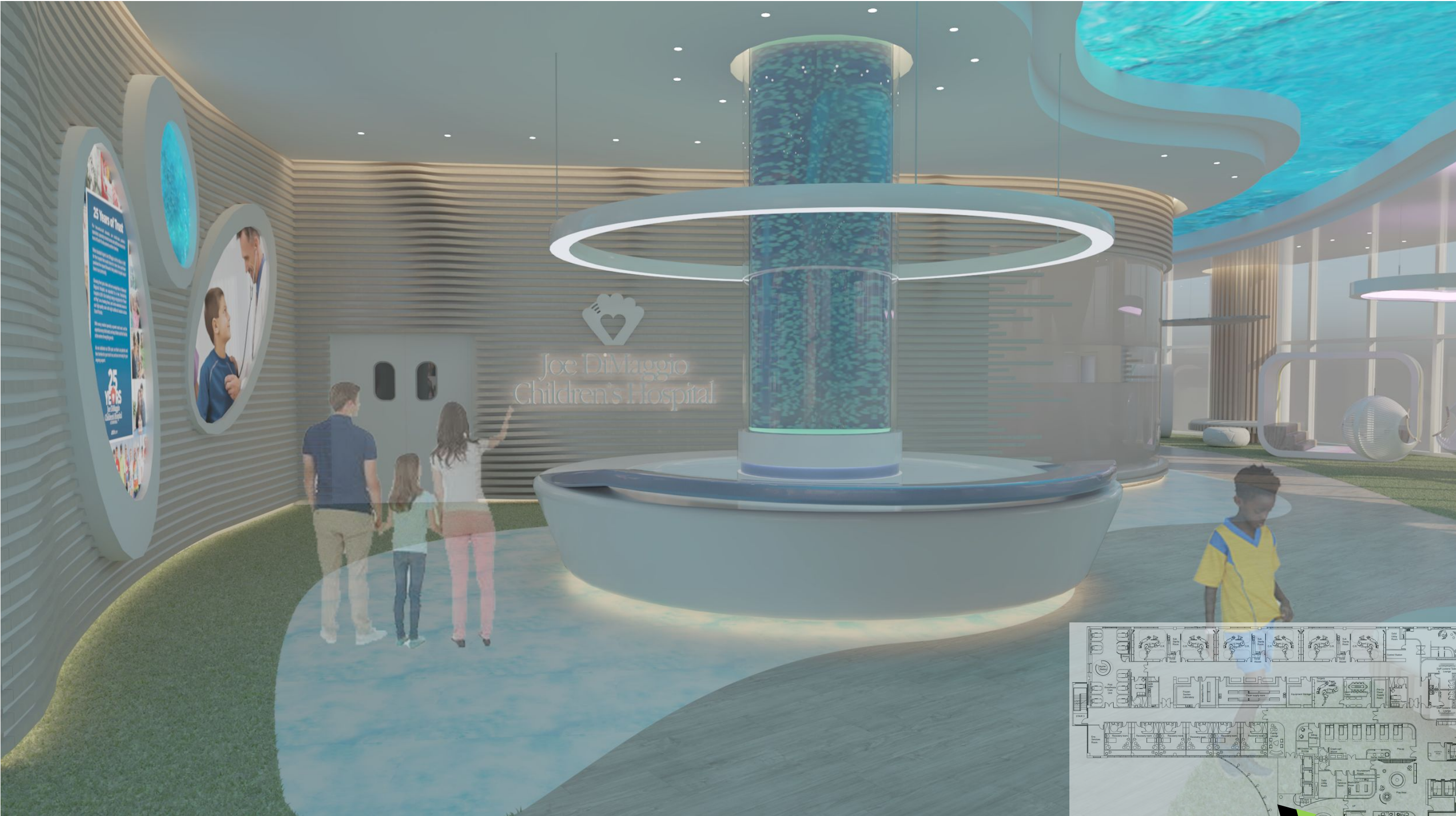


Imitation of
Natural
Environment

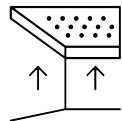


Auditory Stimulation

FRONT DESK



Imitation of Natural Environment

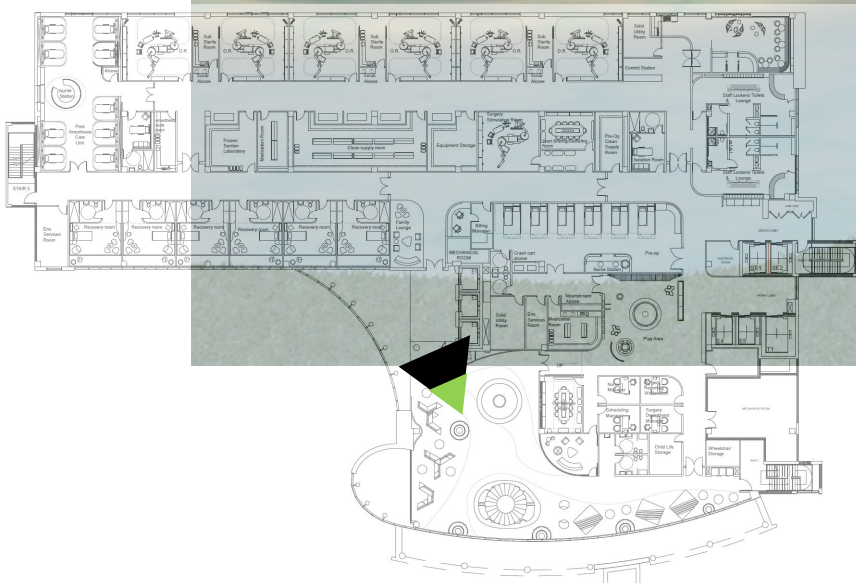


Dropped Ceilings in Areas



Elements Of Nature

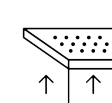
LOUNGE



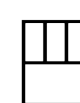
Imitation of Natural Environment



Elements Of Nature



Dropped Ceilings in Areas



Windows

LOUNGE



Imitation of Natural Environment



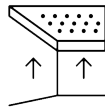
Elements Of Nature



Windows



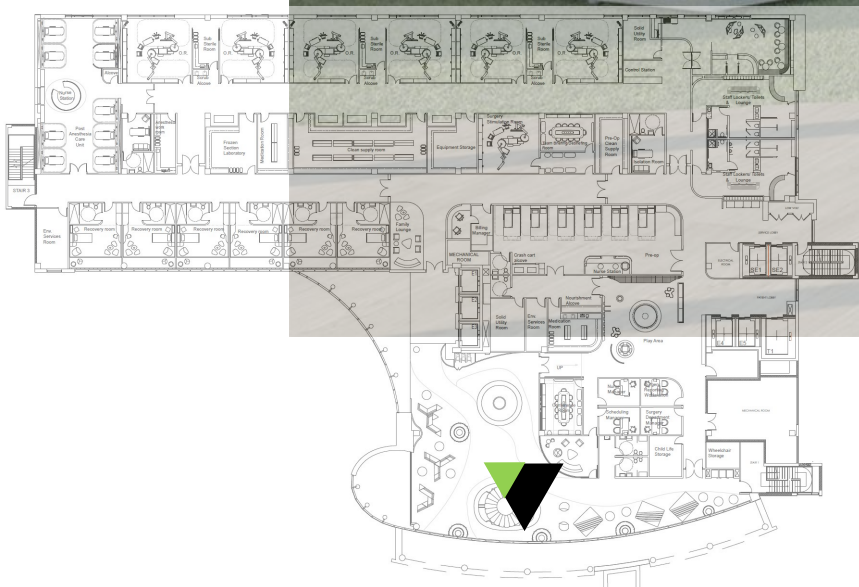
Auditory Stimulation:



Dropped Ceilings in Areas



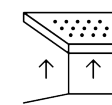
LOUNGE



Imitation of Natural Environment



Elements Of Nature



Dropped Ceilings in Areas



Windows



Auditory Stimulation:

LOUNGE



Imitation of Natural Environment



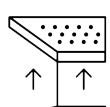
Elements Of Nature



Windows



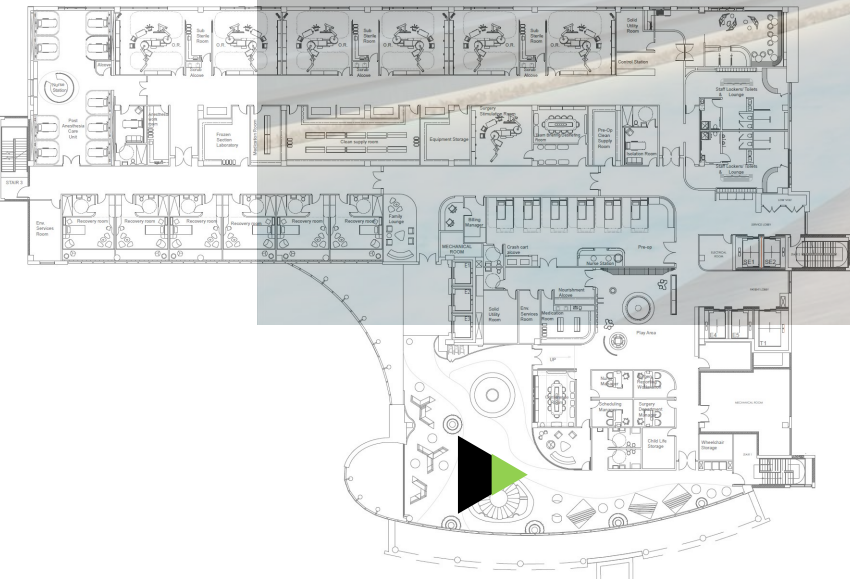
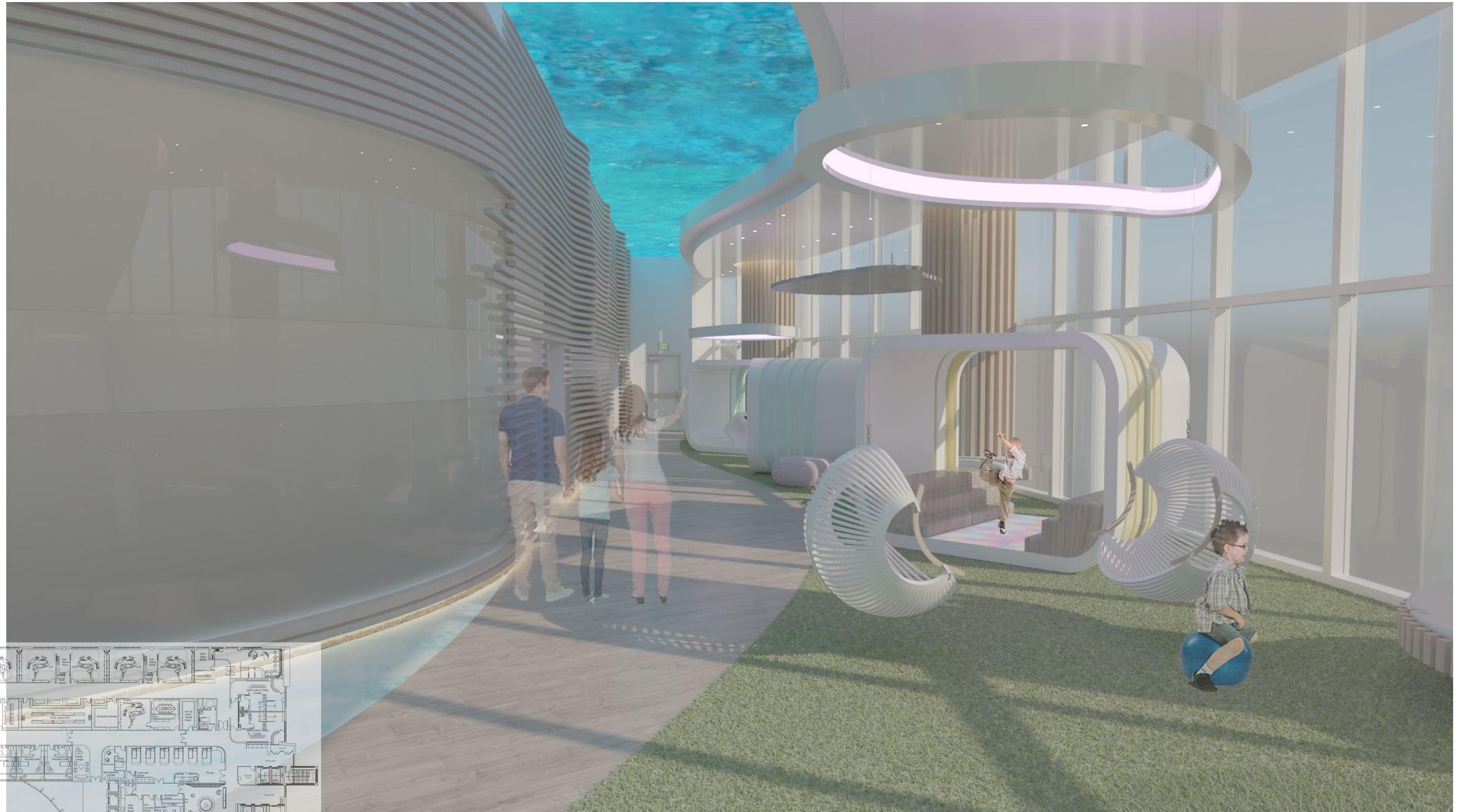
Auditory Stimulation:



Dropped Ceilings in Areas



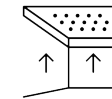
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Imitation of Natural Environment



Elements Of Nature



Dropped Ceilings in Areas

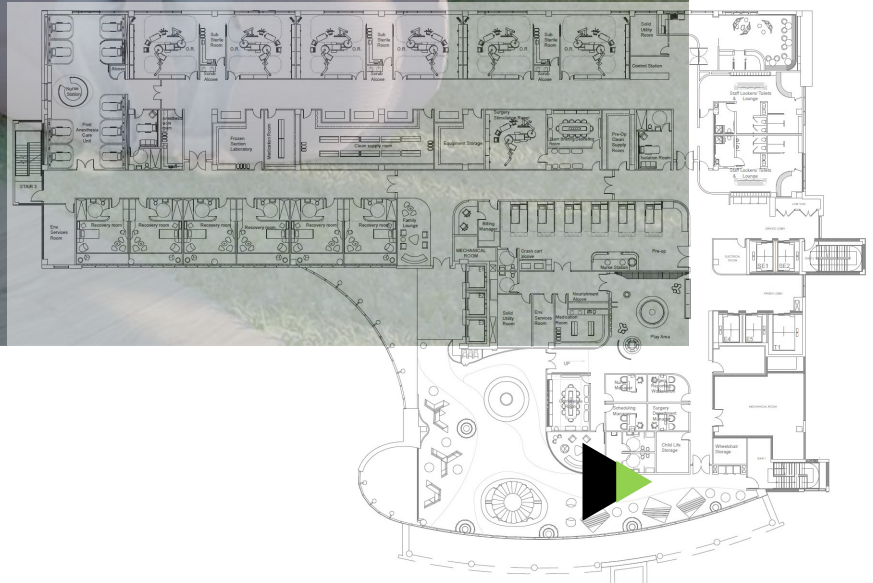


Windows



Auditory Stimulation:

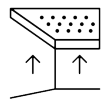
LOUNGE



Imitation of Natural Environment



Elements Of Nature



Dropped Ceilings in Areas

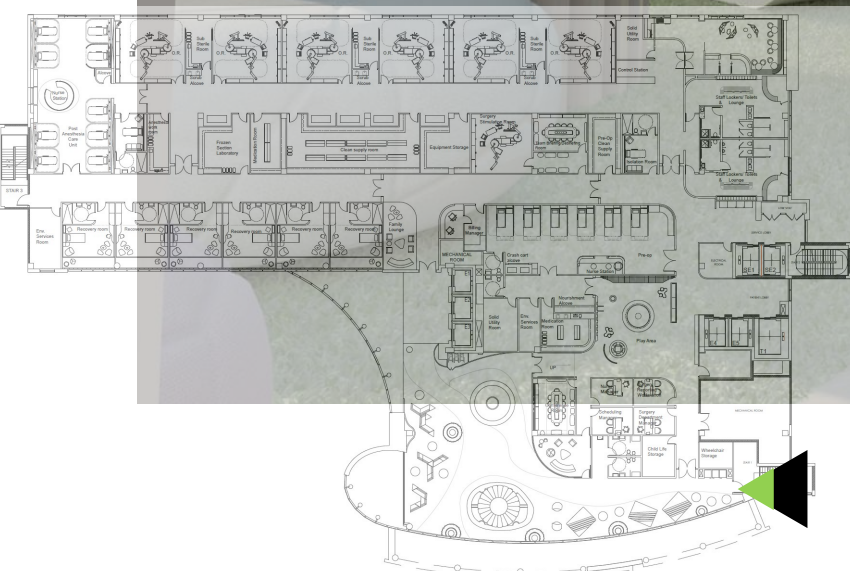


Windows



Auditory Stimulation:

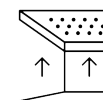
LOUNGE



Imitation of Natural Environment



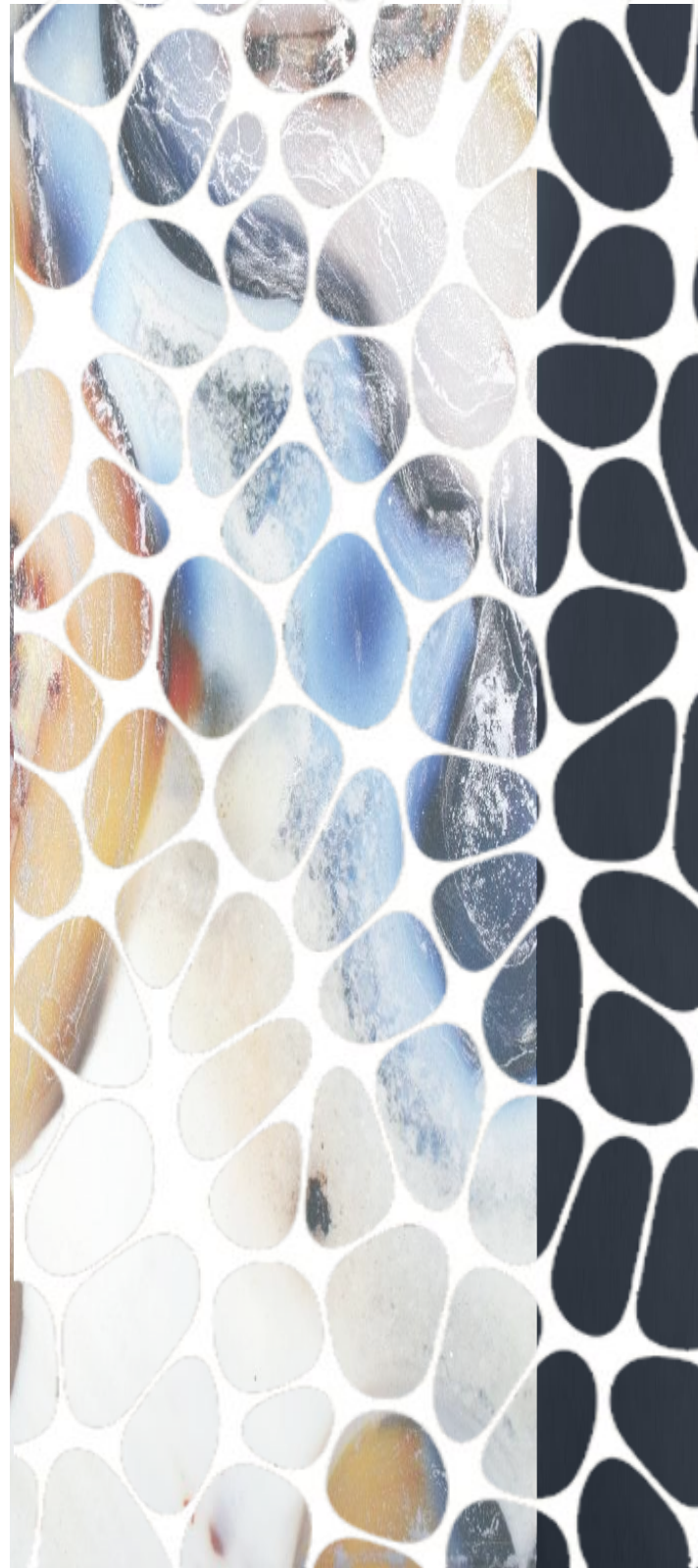
Elements Of Nature



Dropped Ceilings in Areas



Windows



FAMILY CONSULT



DESIGN DEVELOPMENT



Imitation of Natural Environment



Elements Of Nature

DESIGN DEVELOPMENT

FAMILY RESTROOM

FURNITURE & FINISHES



FAMILY RESTROOM 1



Imitation of Natural Environment

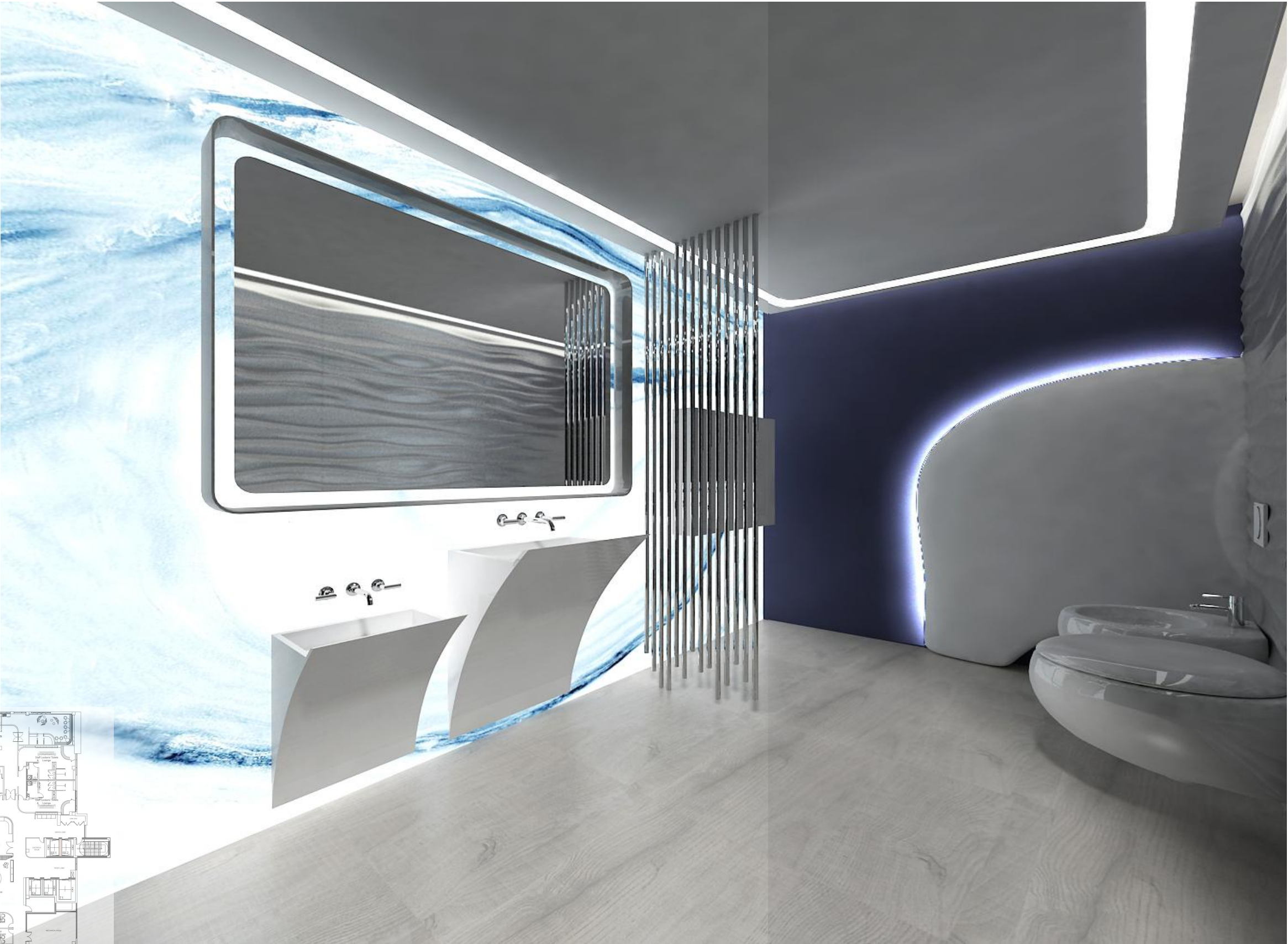


Elements Of Nature

FAMILY RESTROOM

FURNITURE & FINISHES

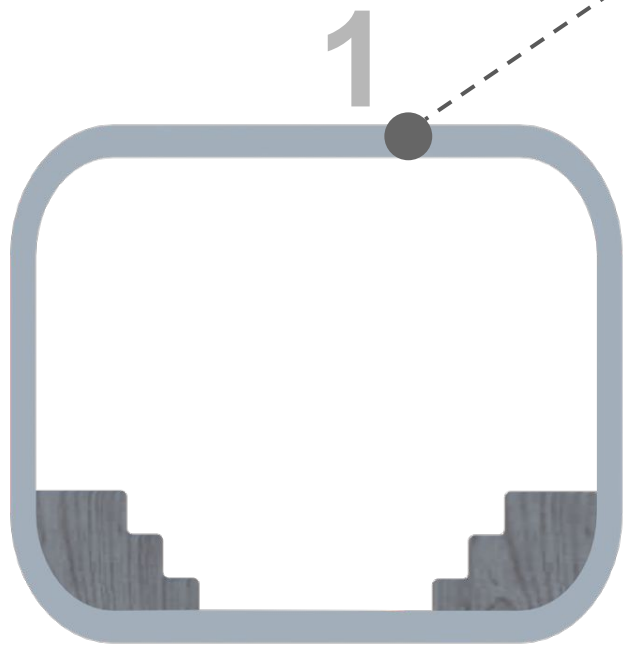
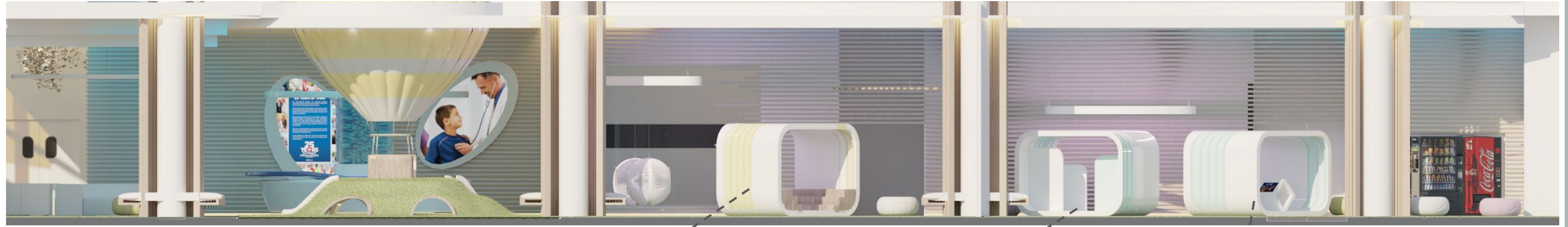




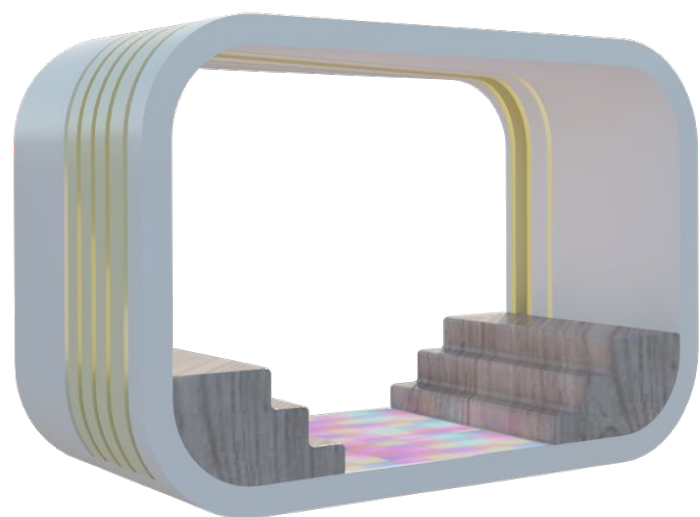
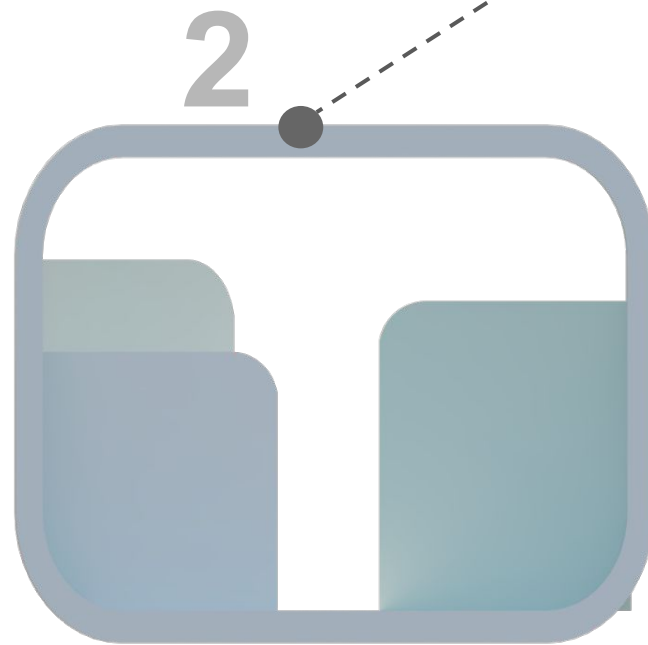
Imitation of Natural Environment



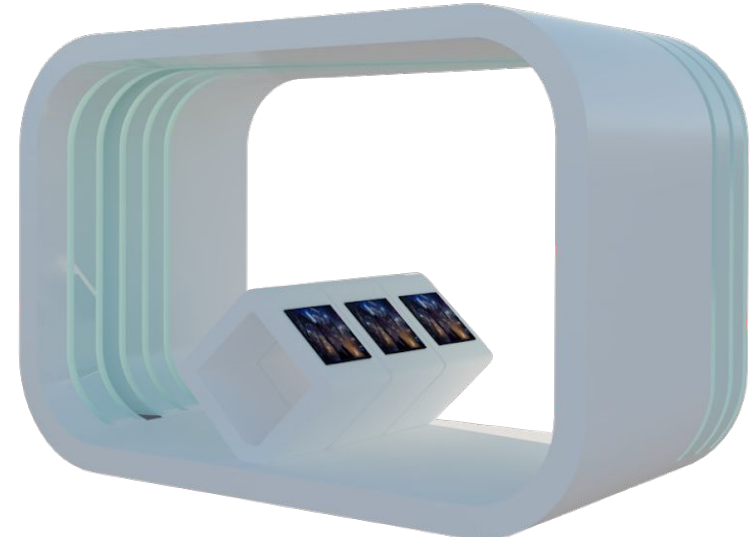
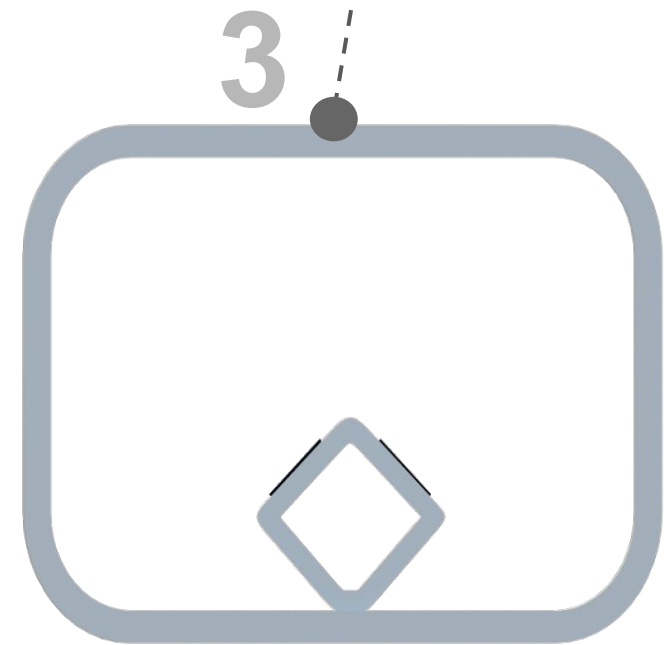
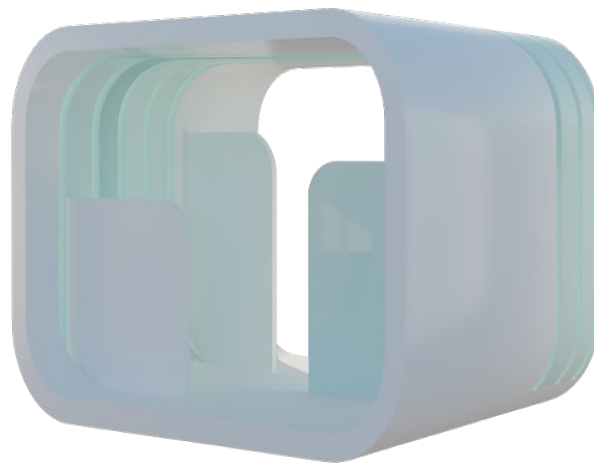
Elements Of Nature



FRONT ELEVATIONS

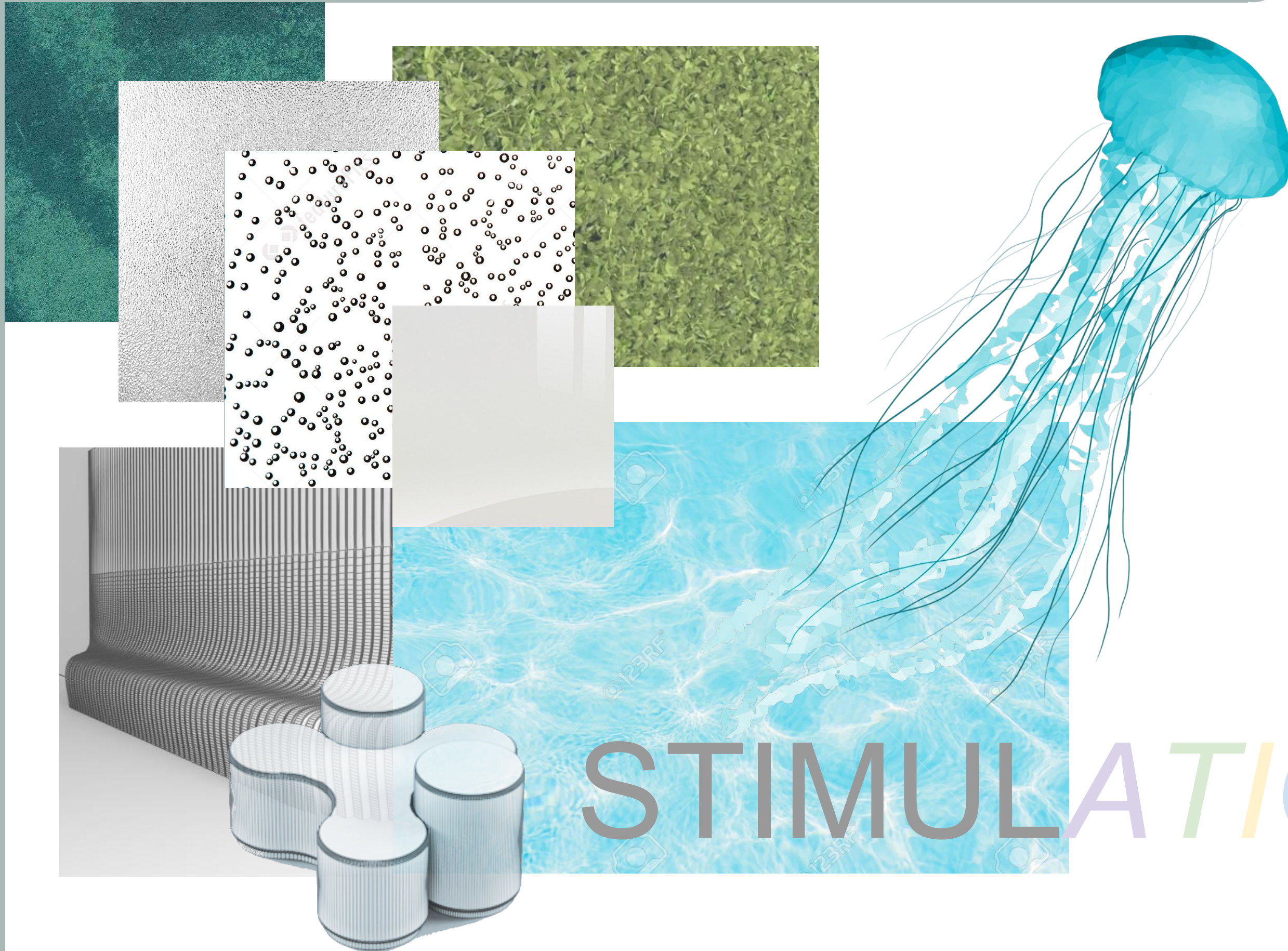


ISOMETRICS





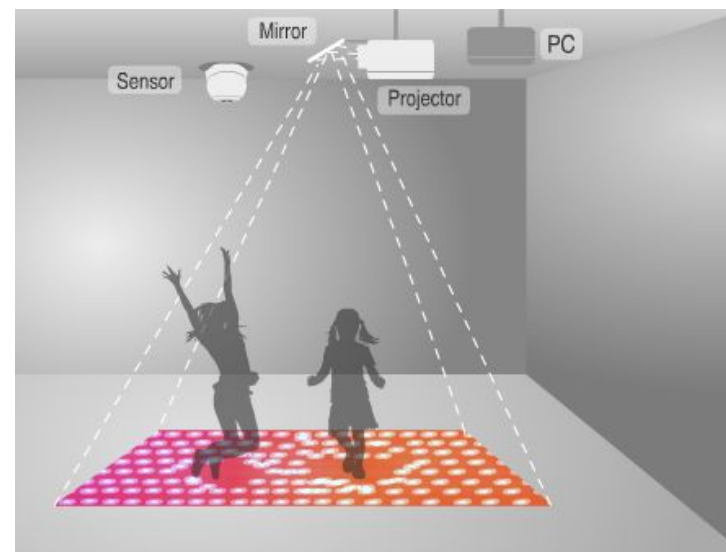
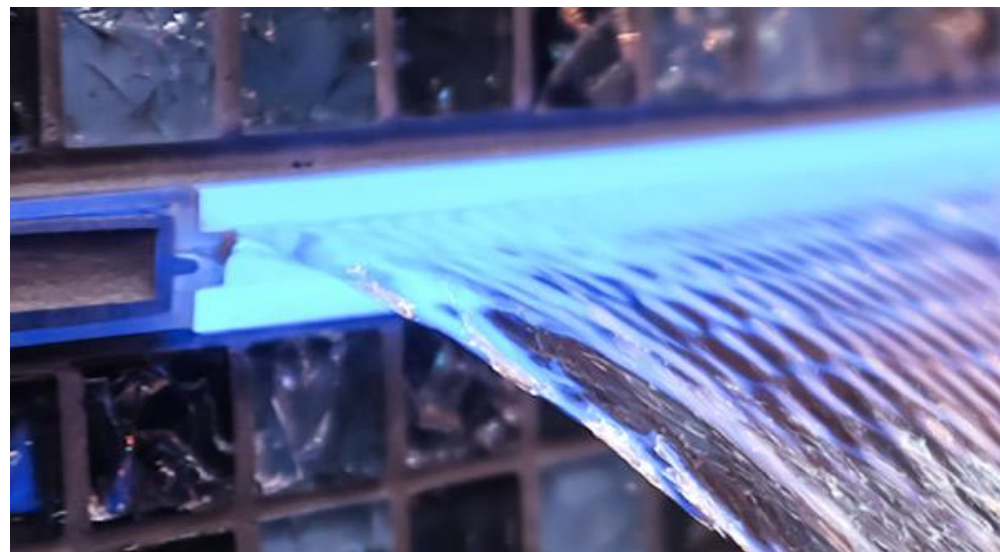
PATIENT PREPARATION AND RECOVERY



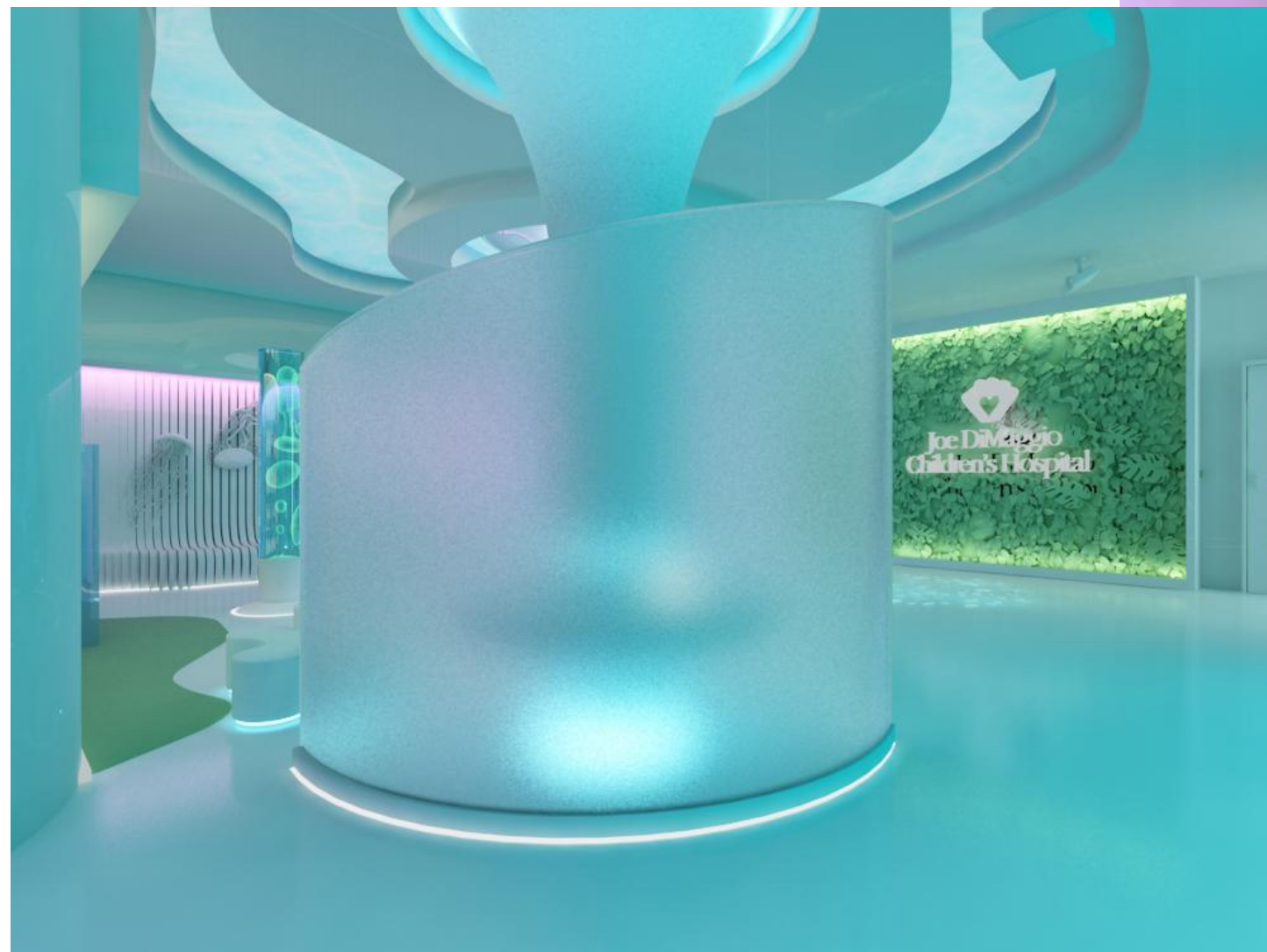
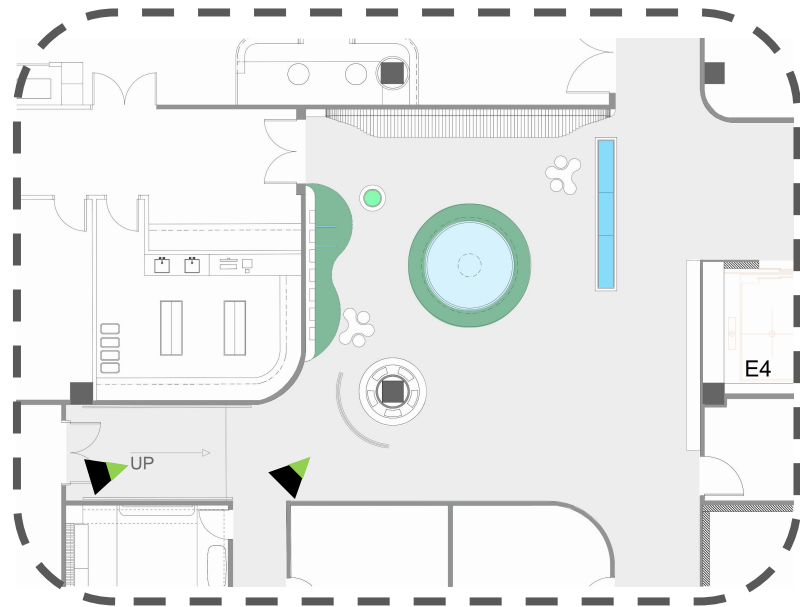
STIMULATION



The Sensory Experience

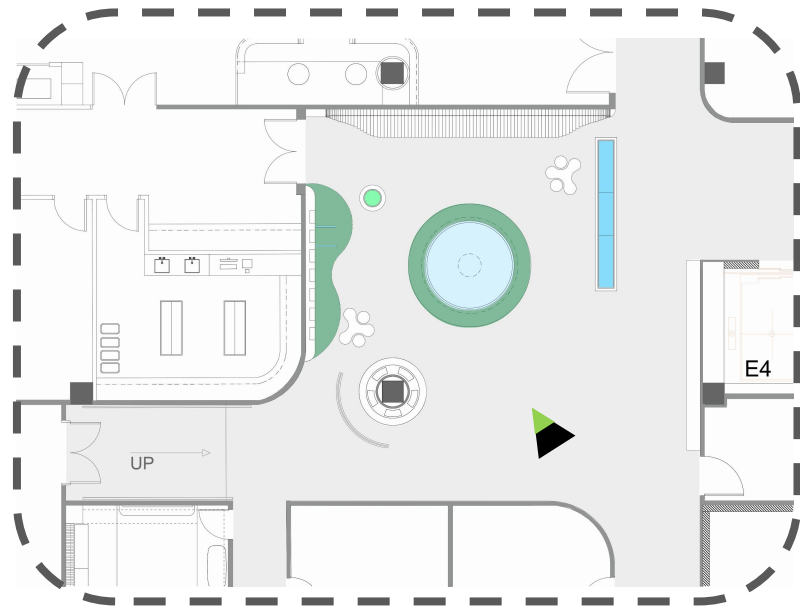


PLAY AREA : Renderings



- Mystery & Exploration
- Visual stimulation
- Natural scenery
- Dynamic mode lighting
- Interaction

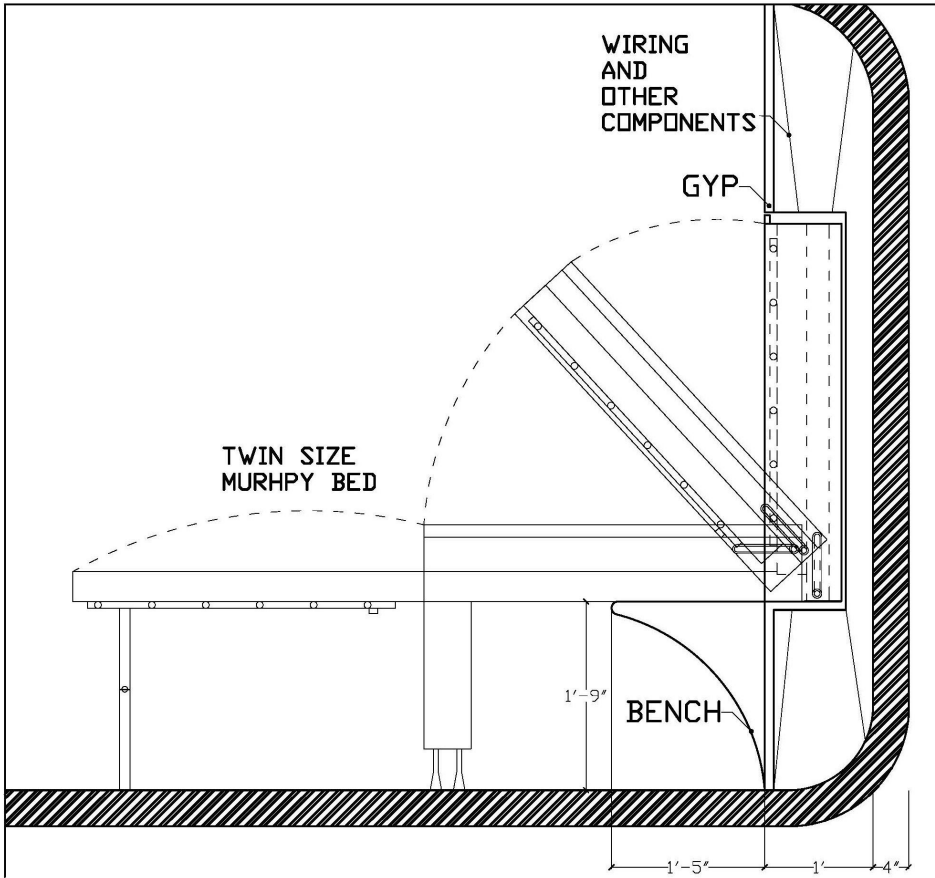
PLAY AREA : Renderings



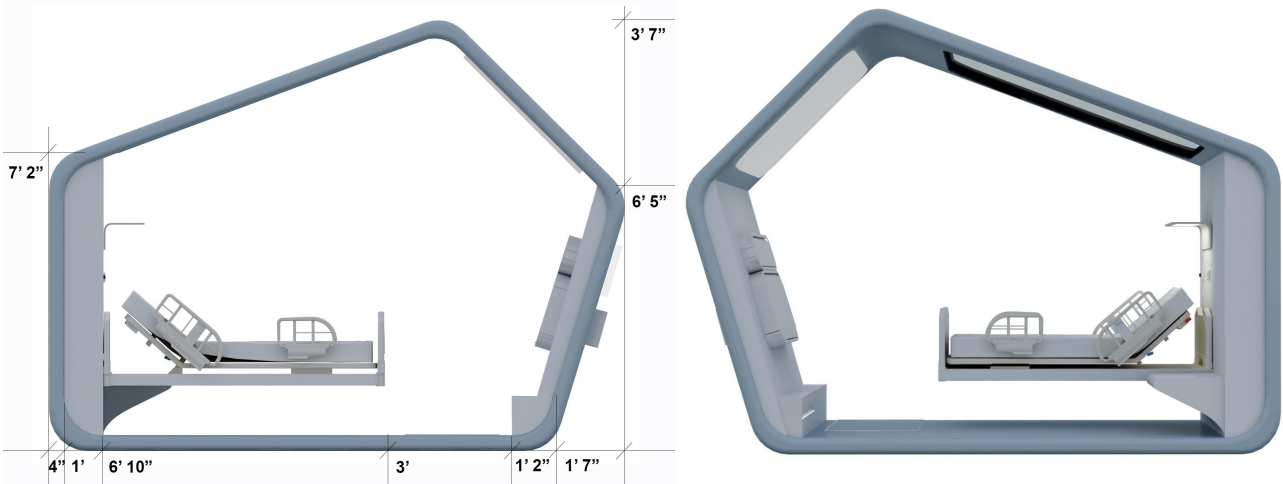
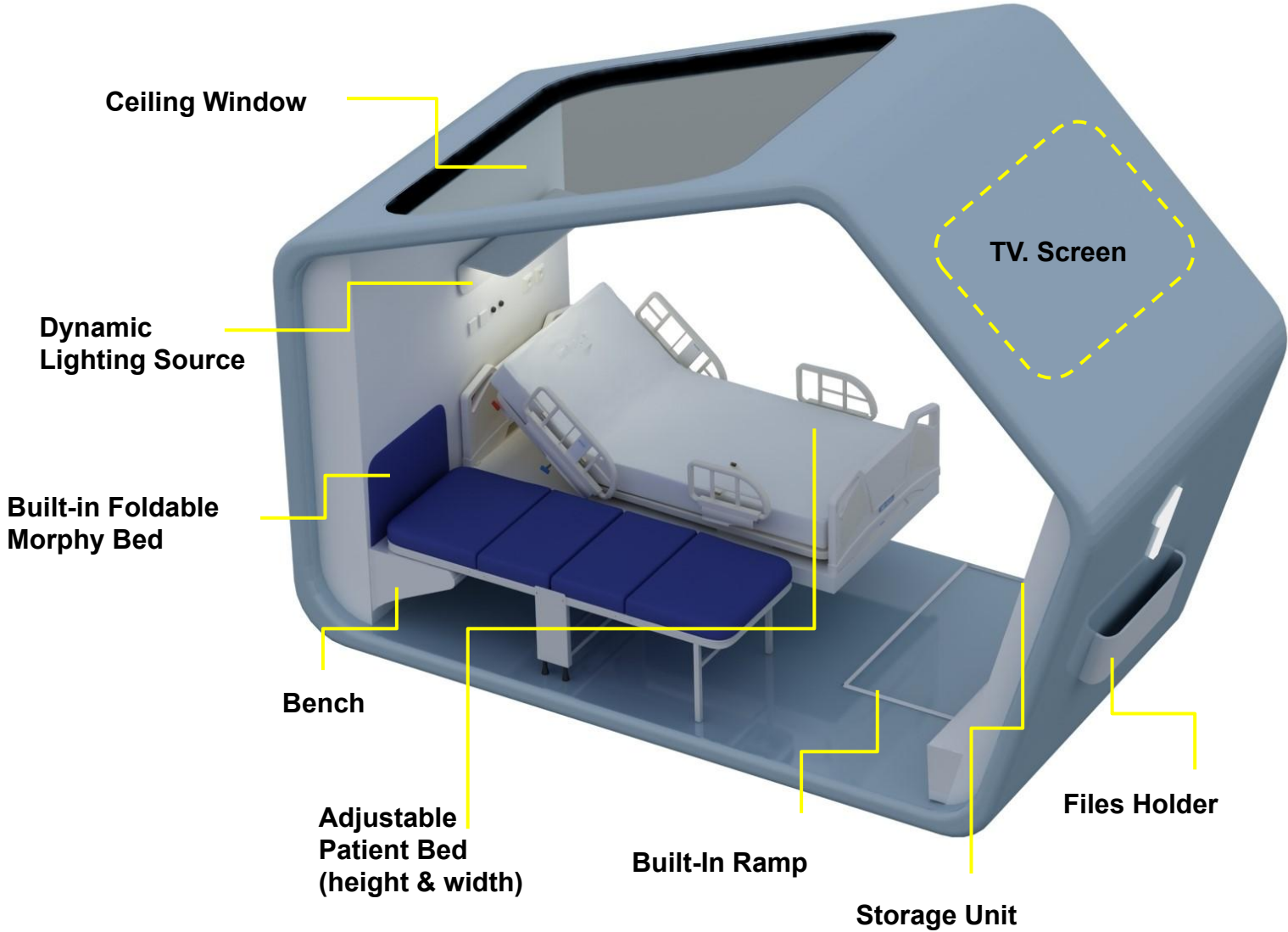


RELAXATION

PROTOTYPE: PRE-OP PATIENT POD



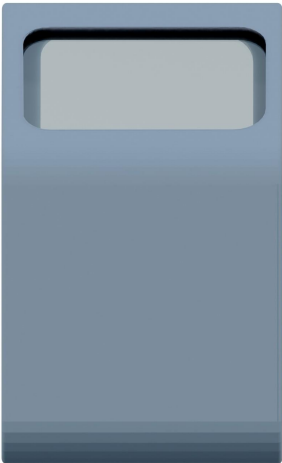
Section Detail



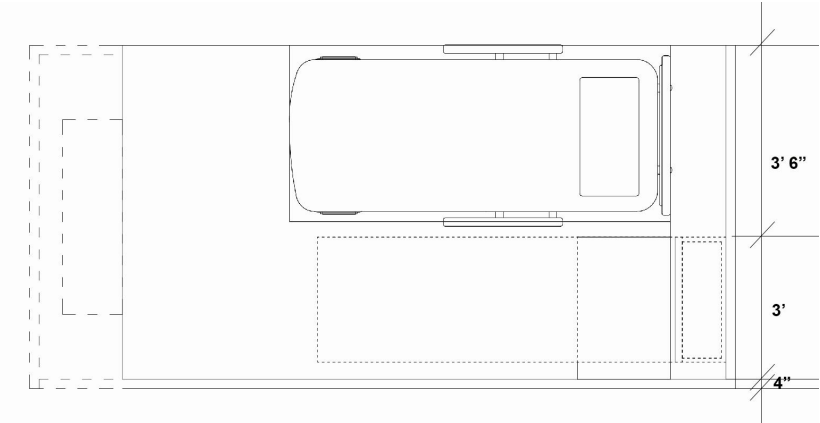
Side Views



Front

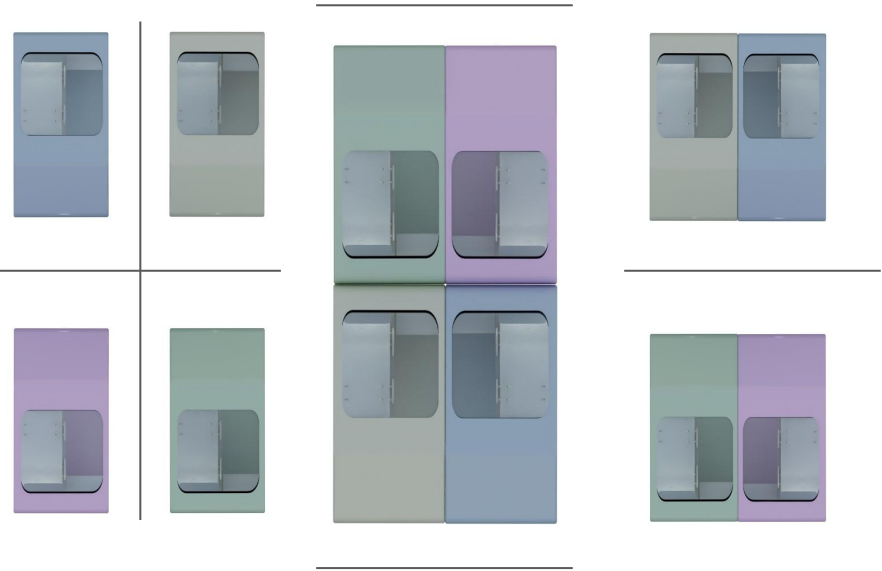


Back

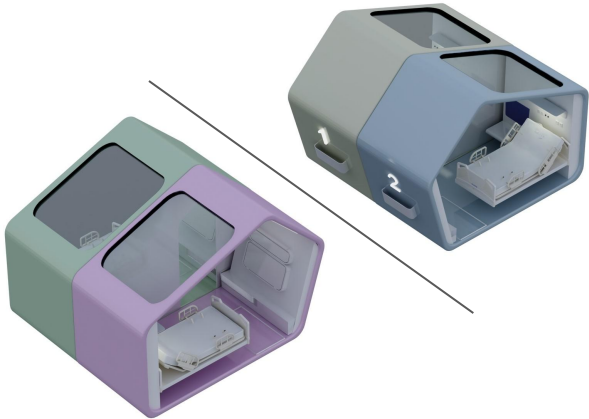
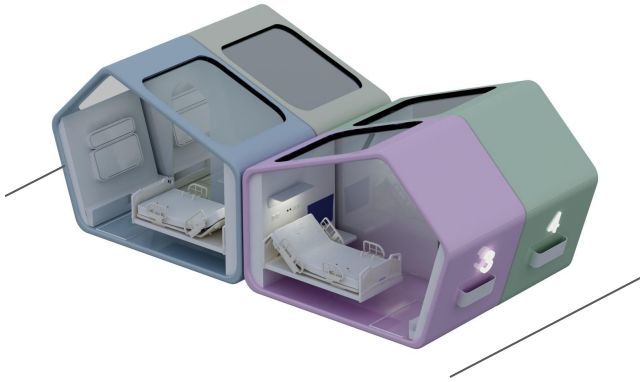
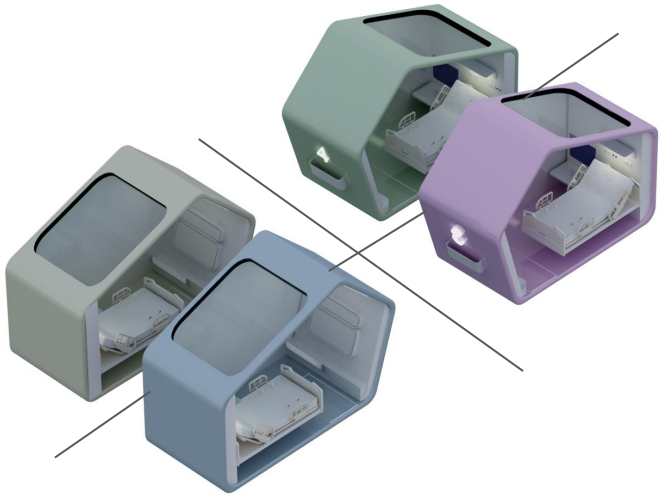
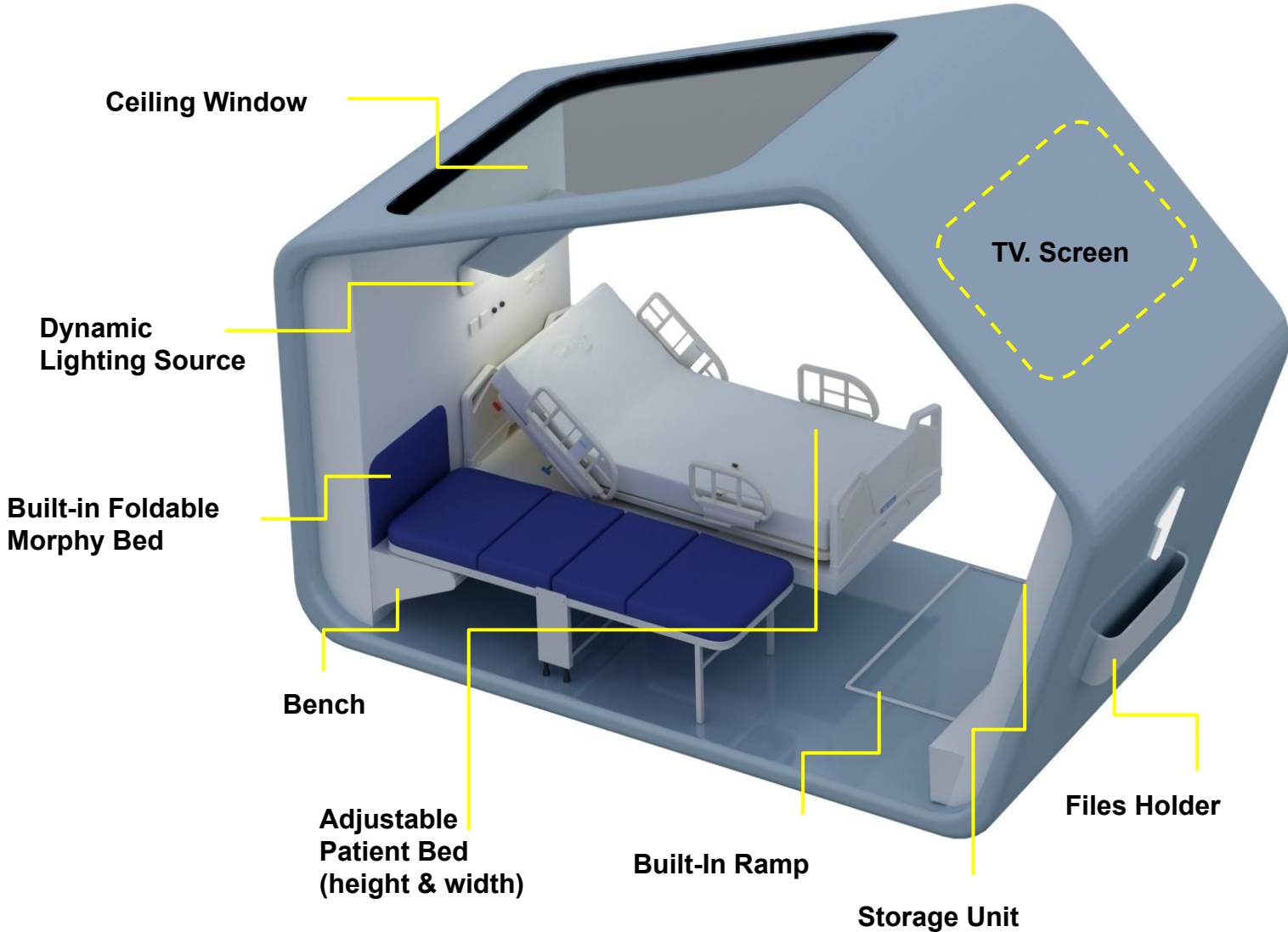


Plan View

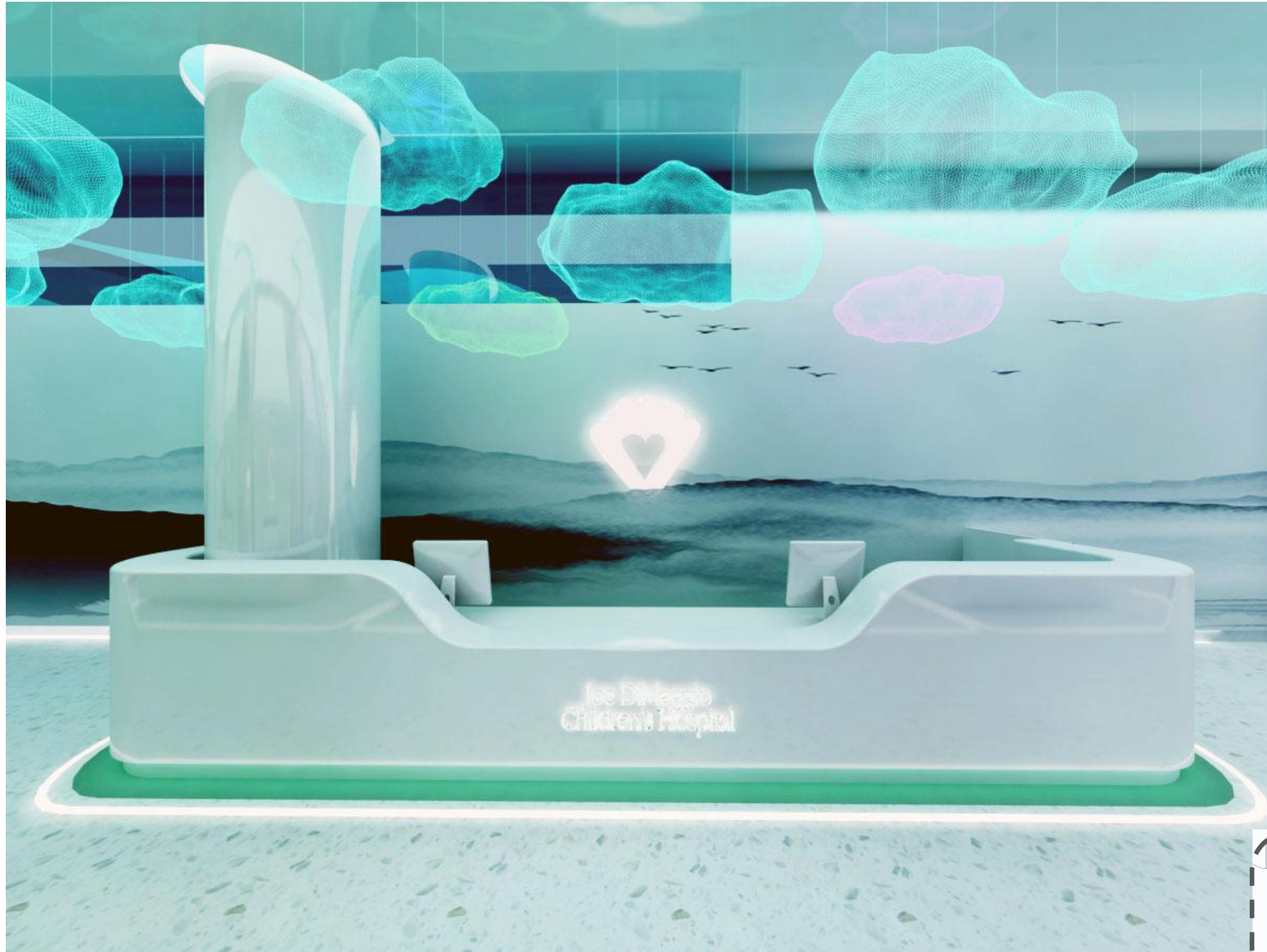
PROTOTYPE: PRE-OP PATIENT POD



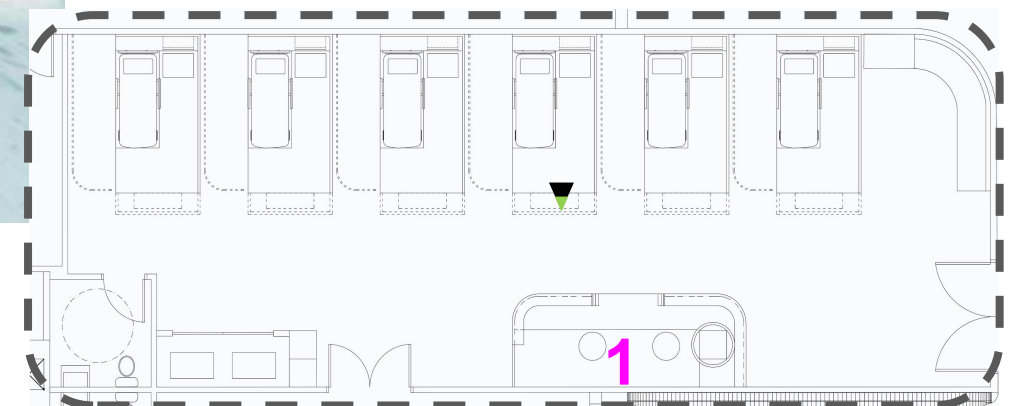
Stacking Layout Options



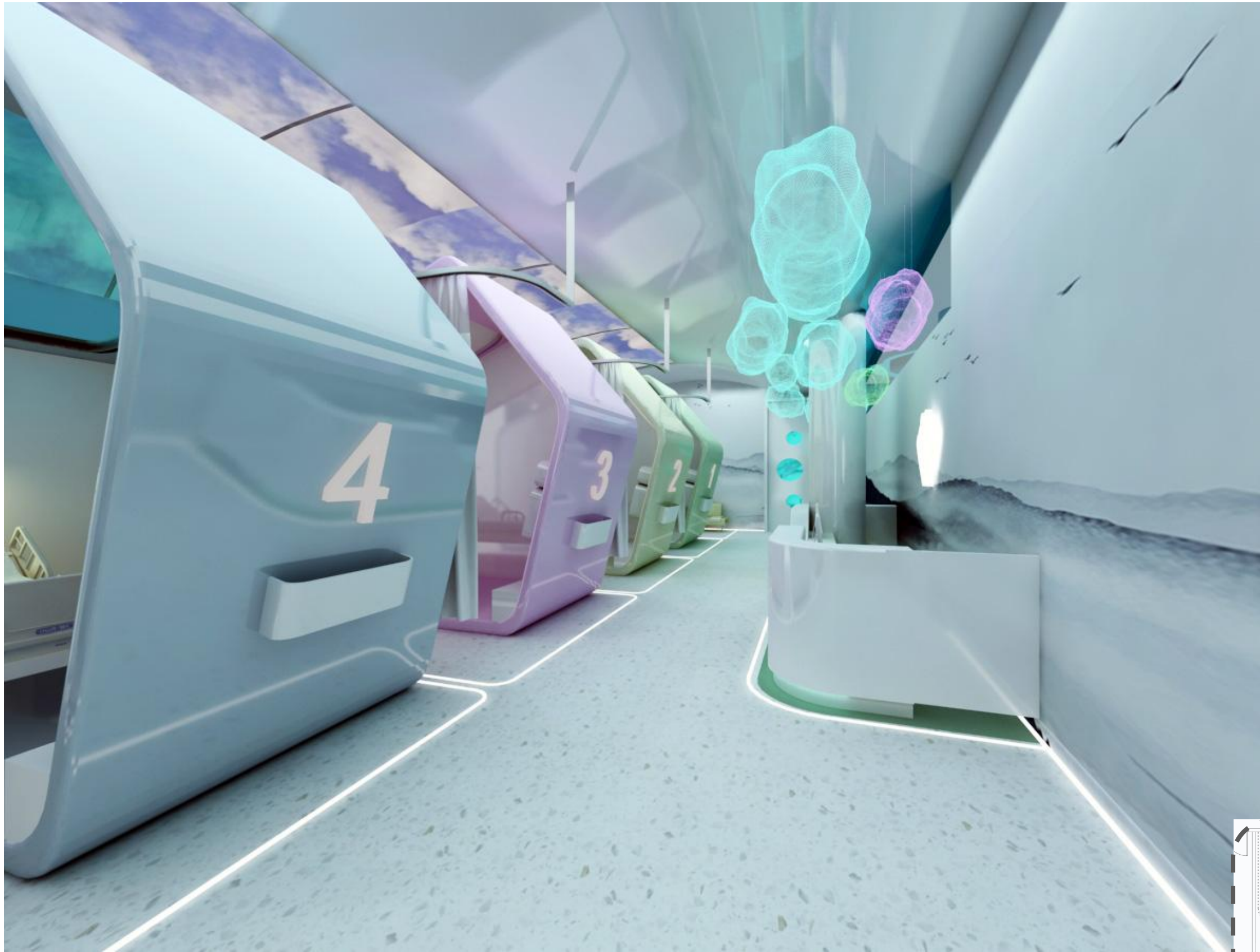
PRE-OP : Renderings



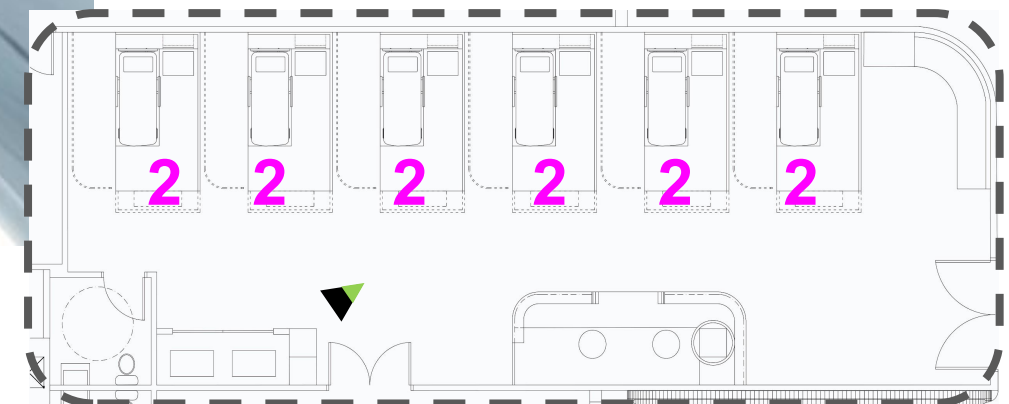
1- Nurse Station



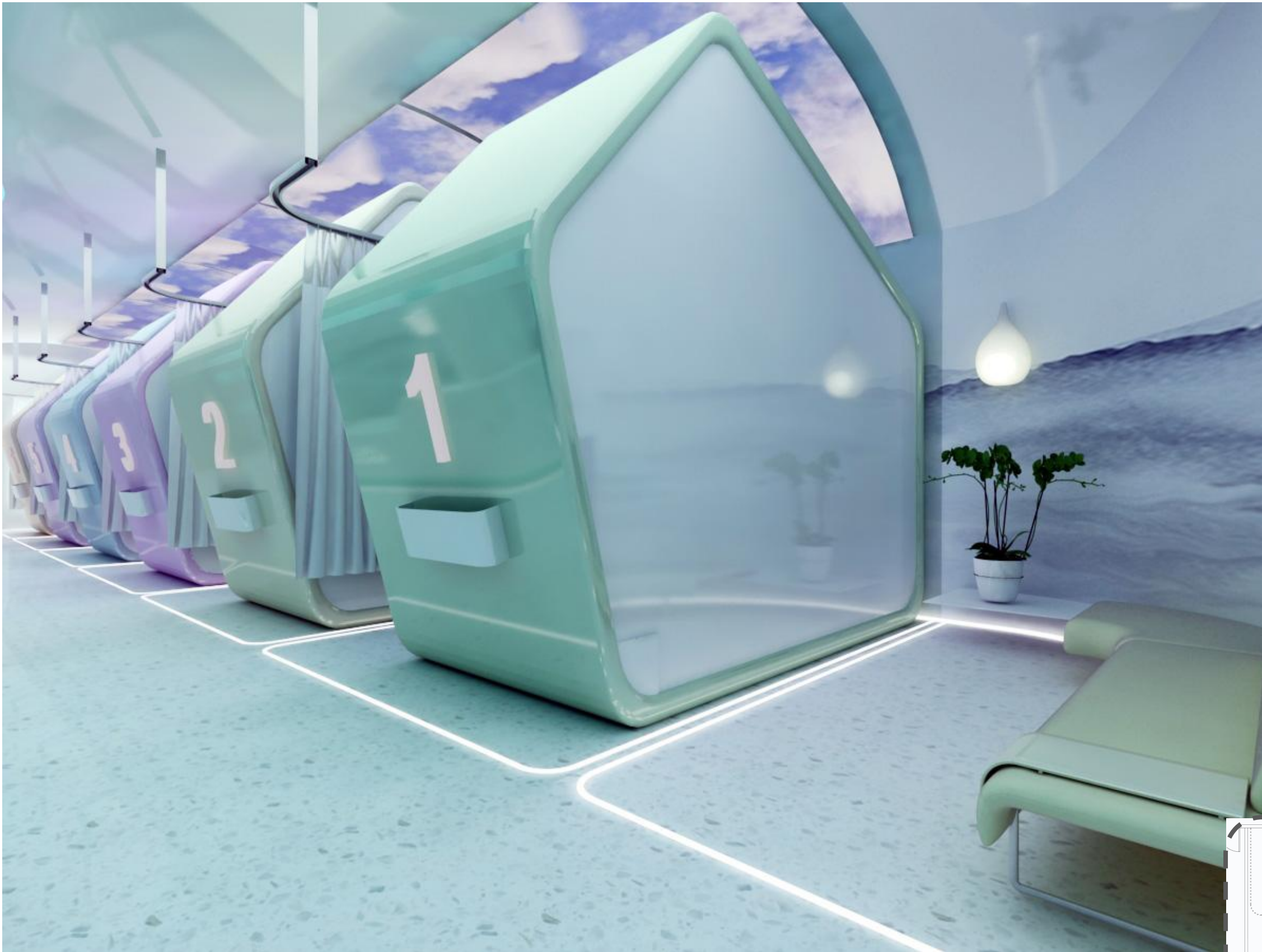
PRE-OP : Renderings



2- Patients Pods



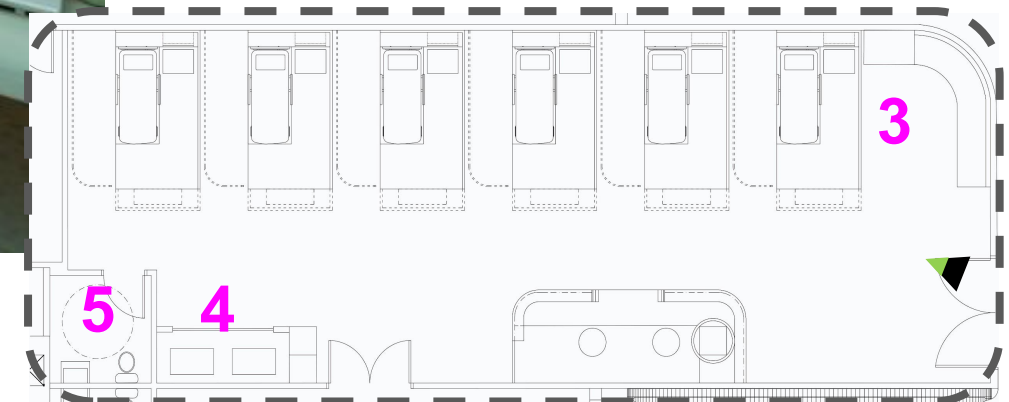
PRE-OP : Renderings

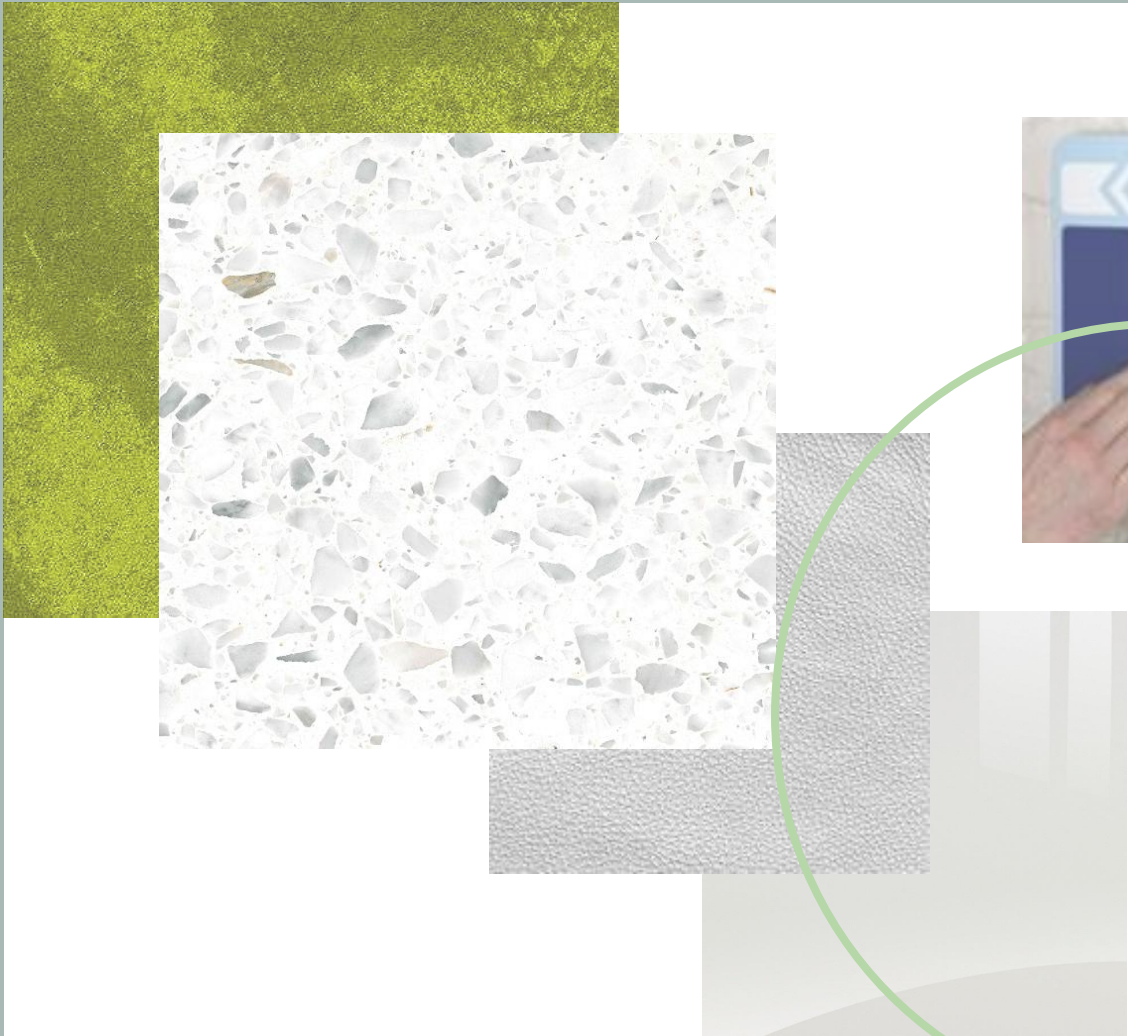


3- Waiting Area

4- Crash cart alcove

5- Patients restroom

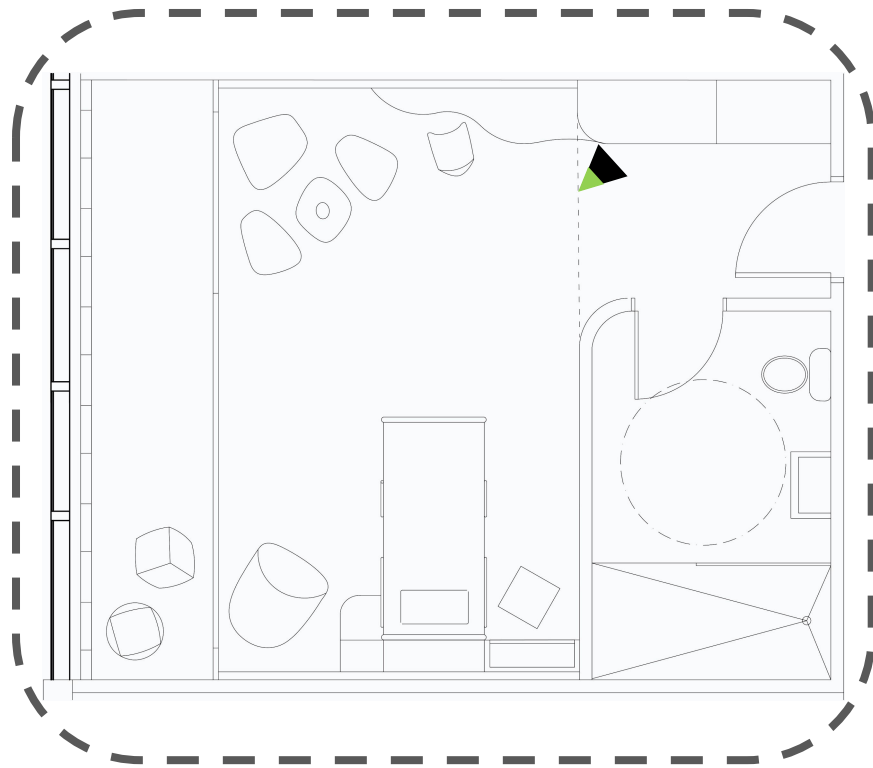




HEALING



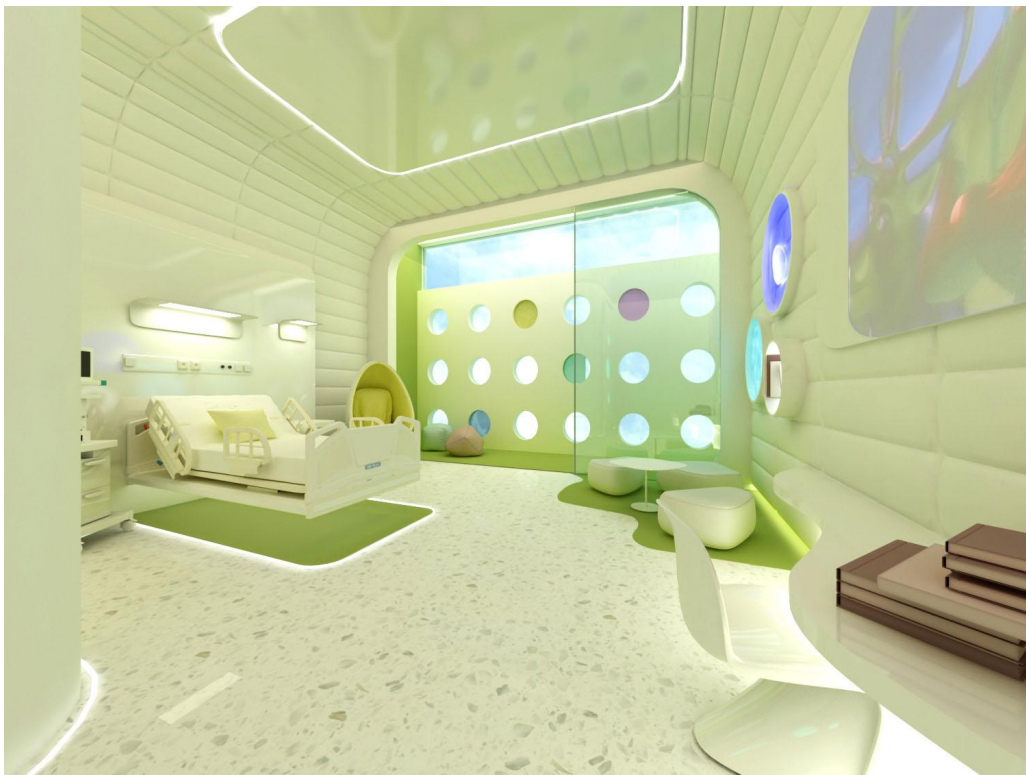
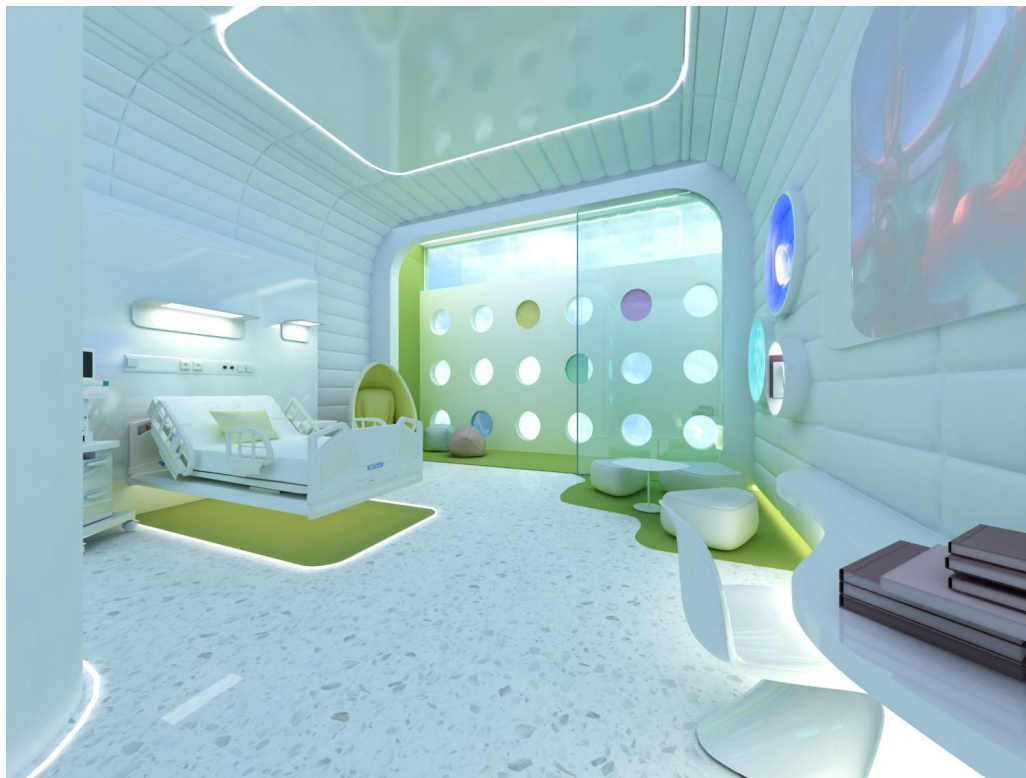
RECOVERY ROOM : Renderings



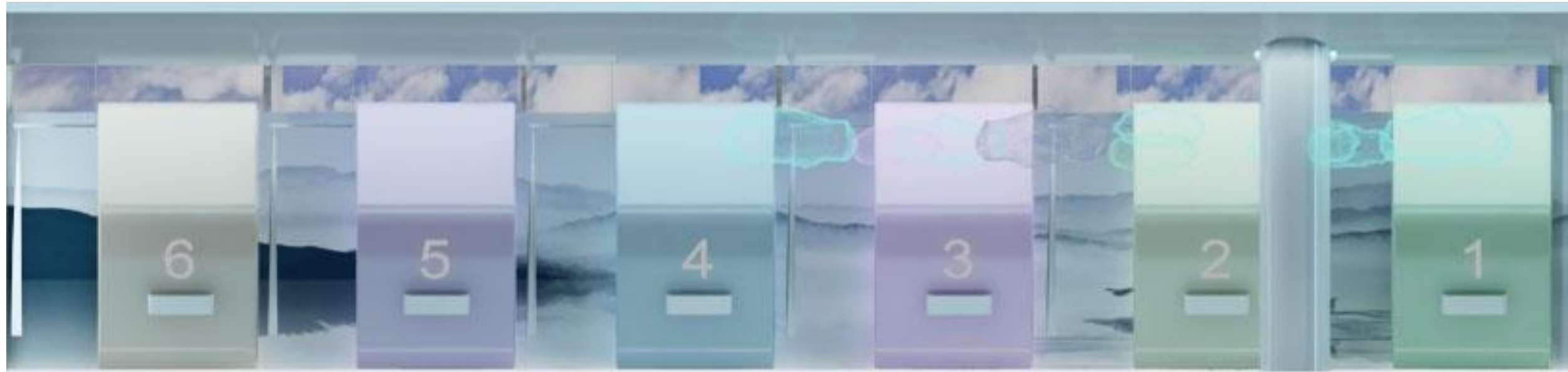
- Acoustics
- Adaptable space
- Adjustable Lighting Mode
- Dynamic artificial lighting
- Solitude
- Natural lighting and privacy
- Family centered
- Familiarity



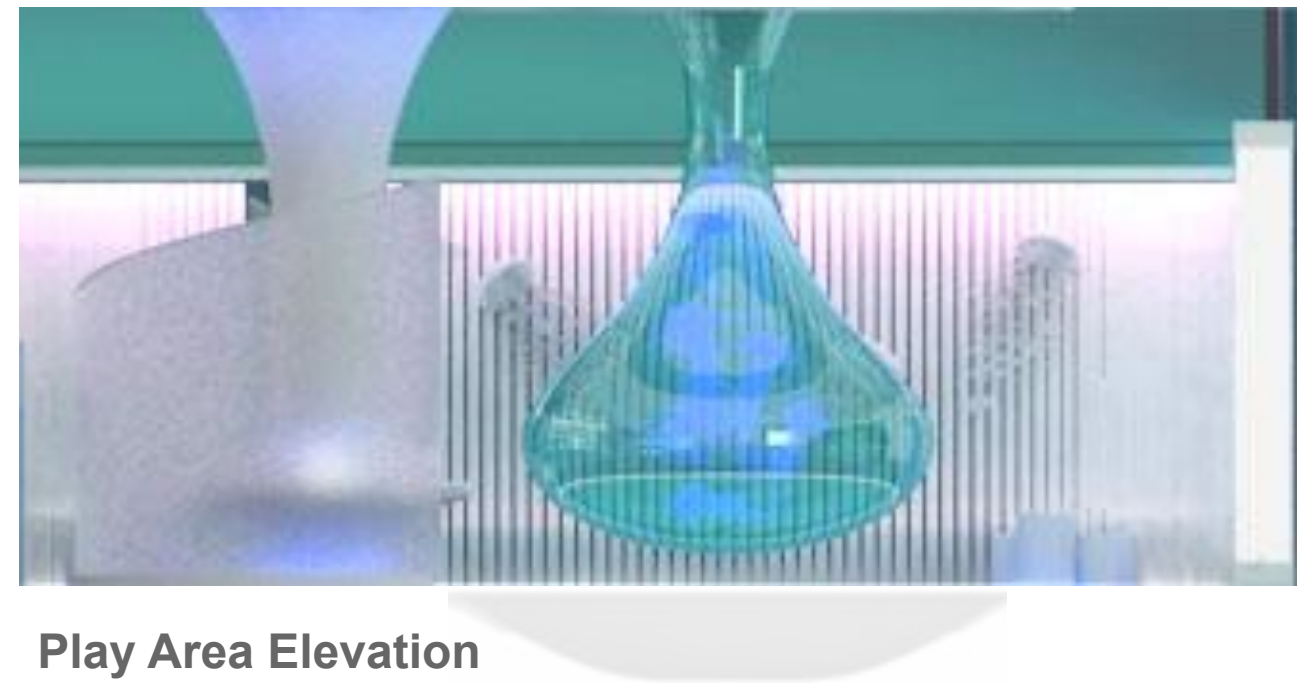
RECOVERY ROOM : Renderings



ELEVATIONS

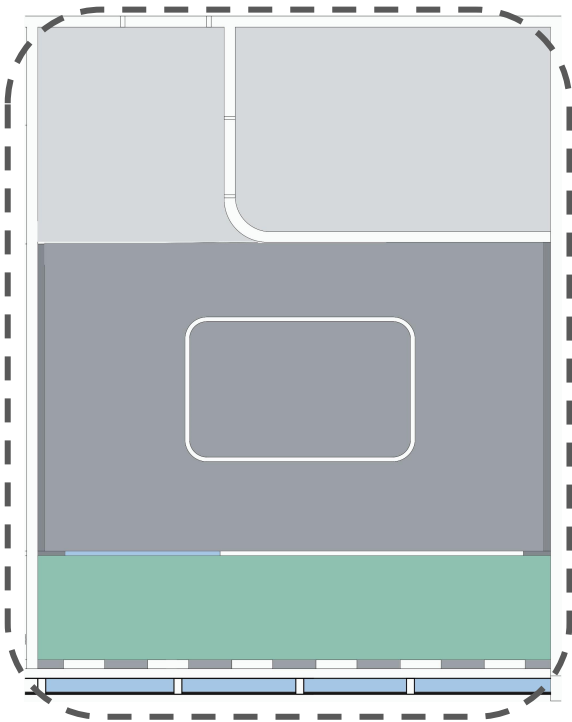


Pre-op Elevation

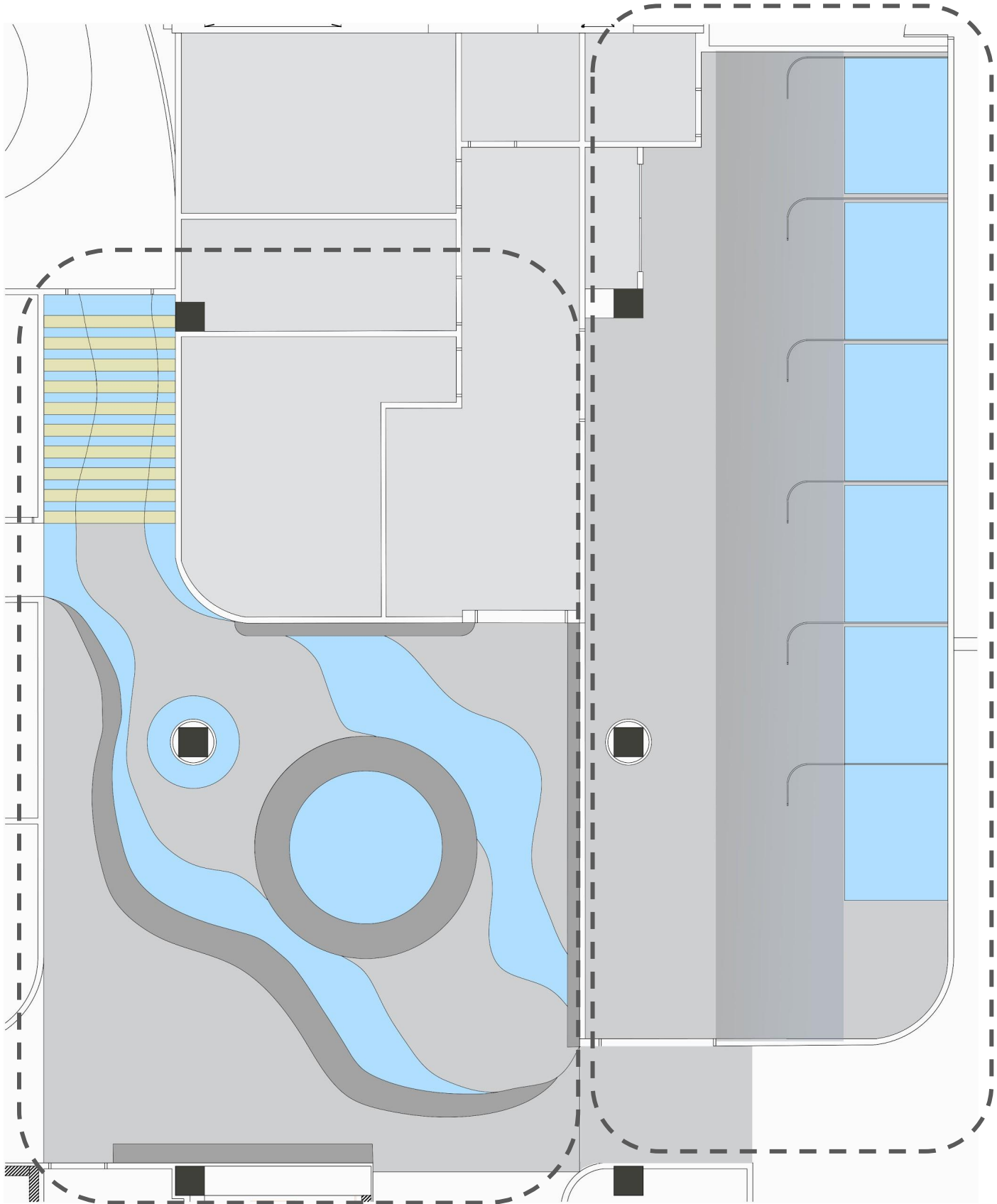


Play Area Elevation

Reflected Ceiling Plan



Recovery Room RCP

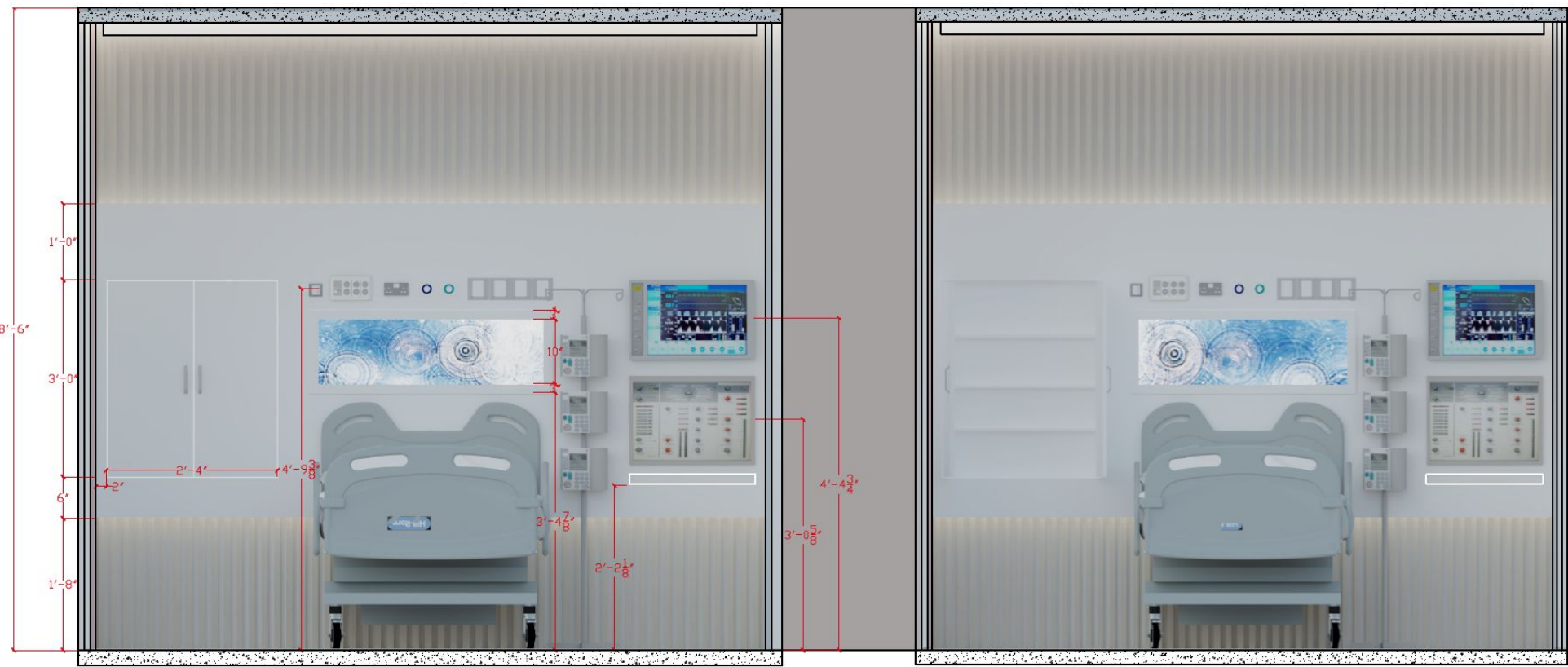


Play Area RCP

Pre-rcp RCP

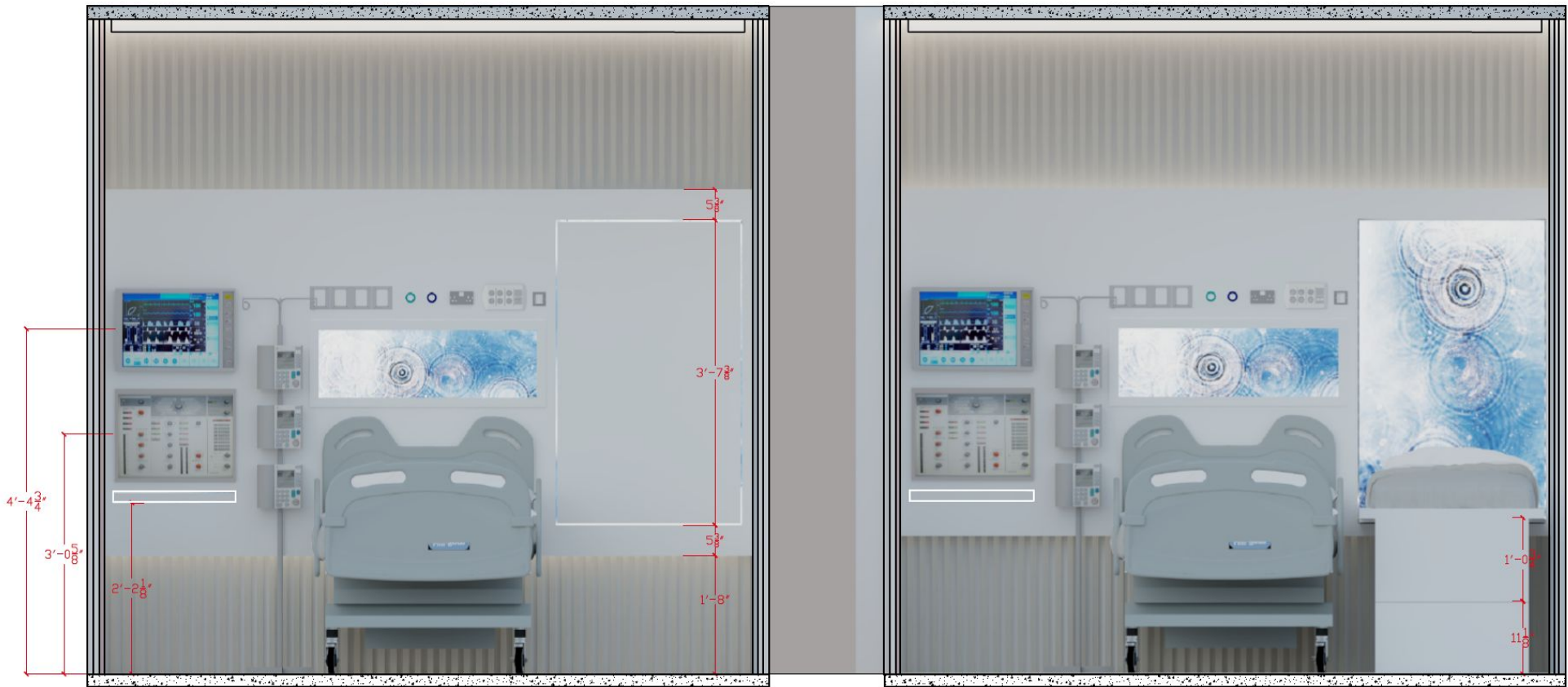


Post-Anesthesia Care Unit



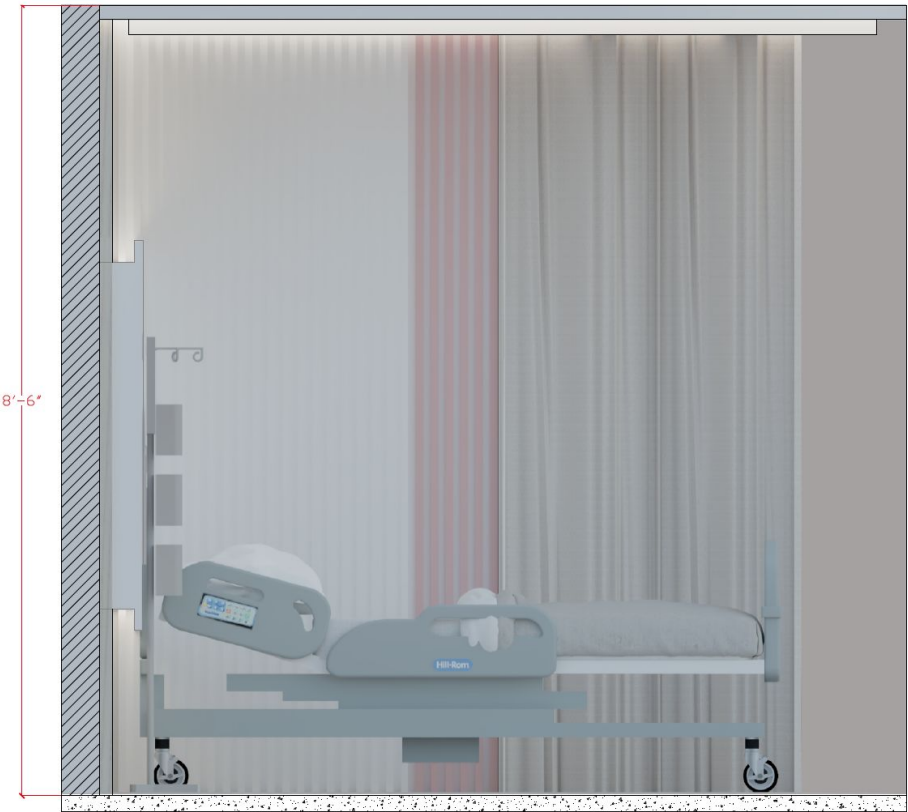
PROTOTYPE OPTION 1 - Closed Cabinet

PROTOTYPE OPTION 1 - Open Cabinet



PROTOTYPE OPTION 2 - Murphy bed closed

PROTOTYPE OPTION 2 - Murphy bed opened



PROTOTYPE Side Elevation

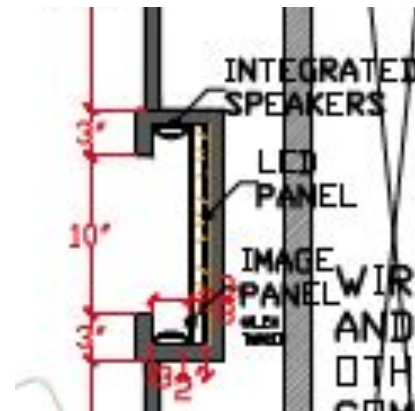
BACKLIT PANEL
(MOTION PICTURES)

CABINET



OPTION 1 - Closed Cabinet

BACKLIT PANEL +
INT. SOUND SYSTEM

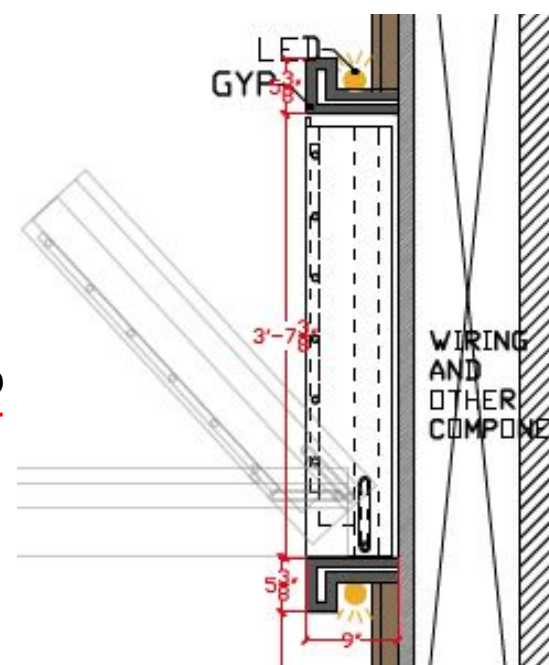


OPTION 1 - Open Cabinet



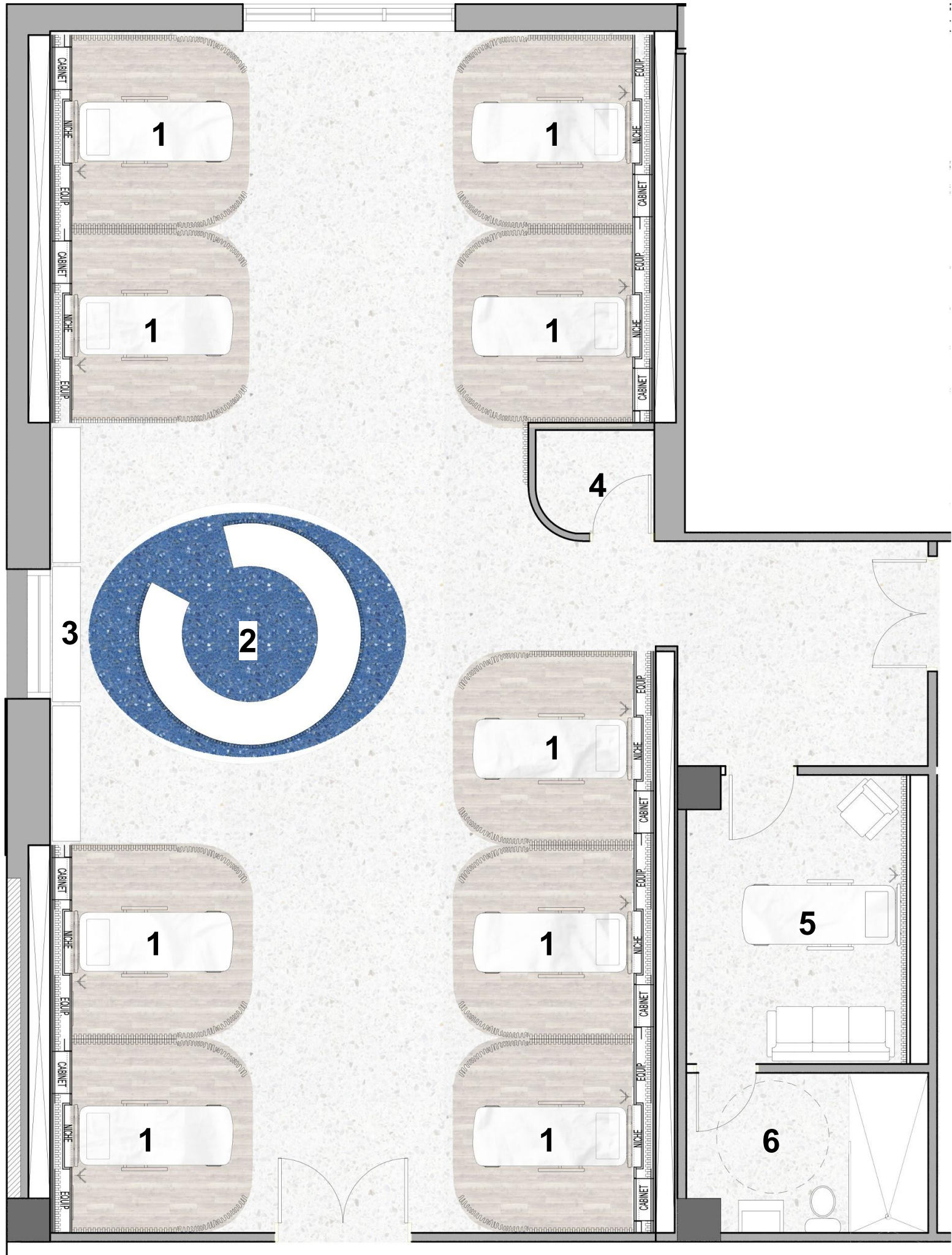
OPTION 2 - Murphy bed closed

MURPHY BED

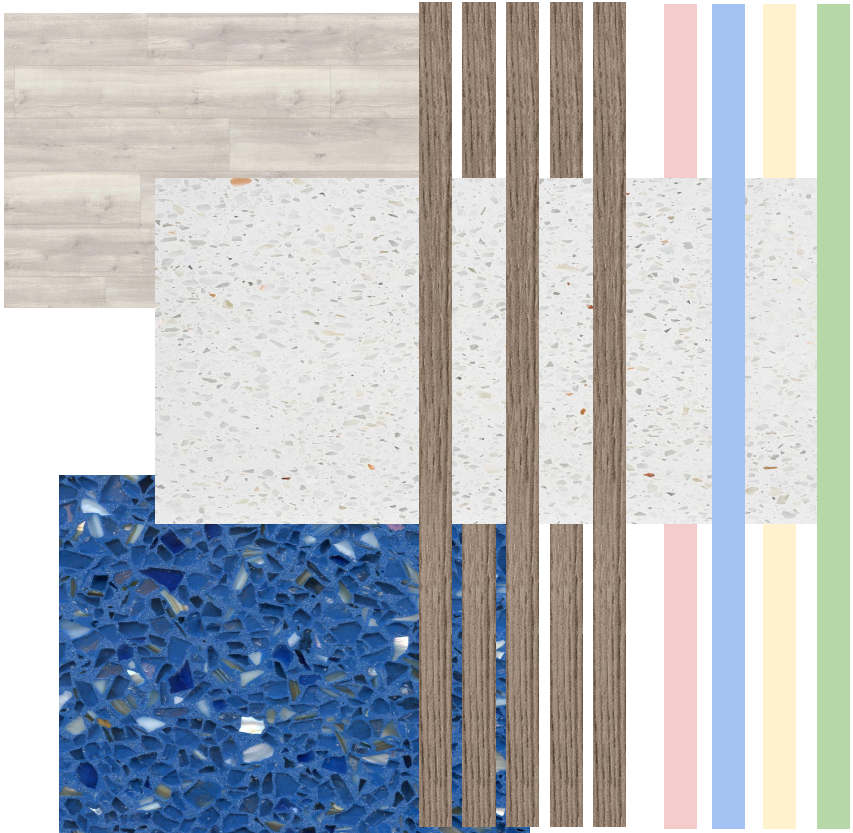


OPTION 2 - Murphy bed open

POST ANESTHESIA CARE UNIT

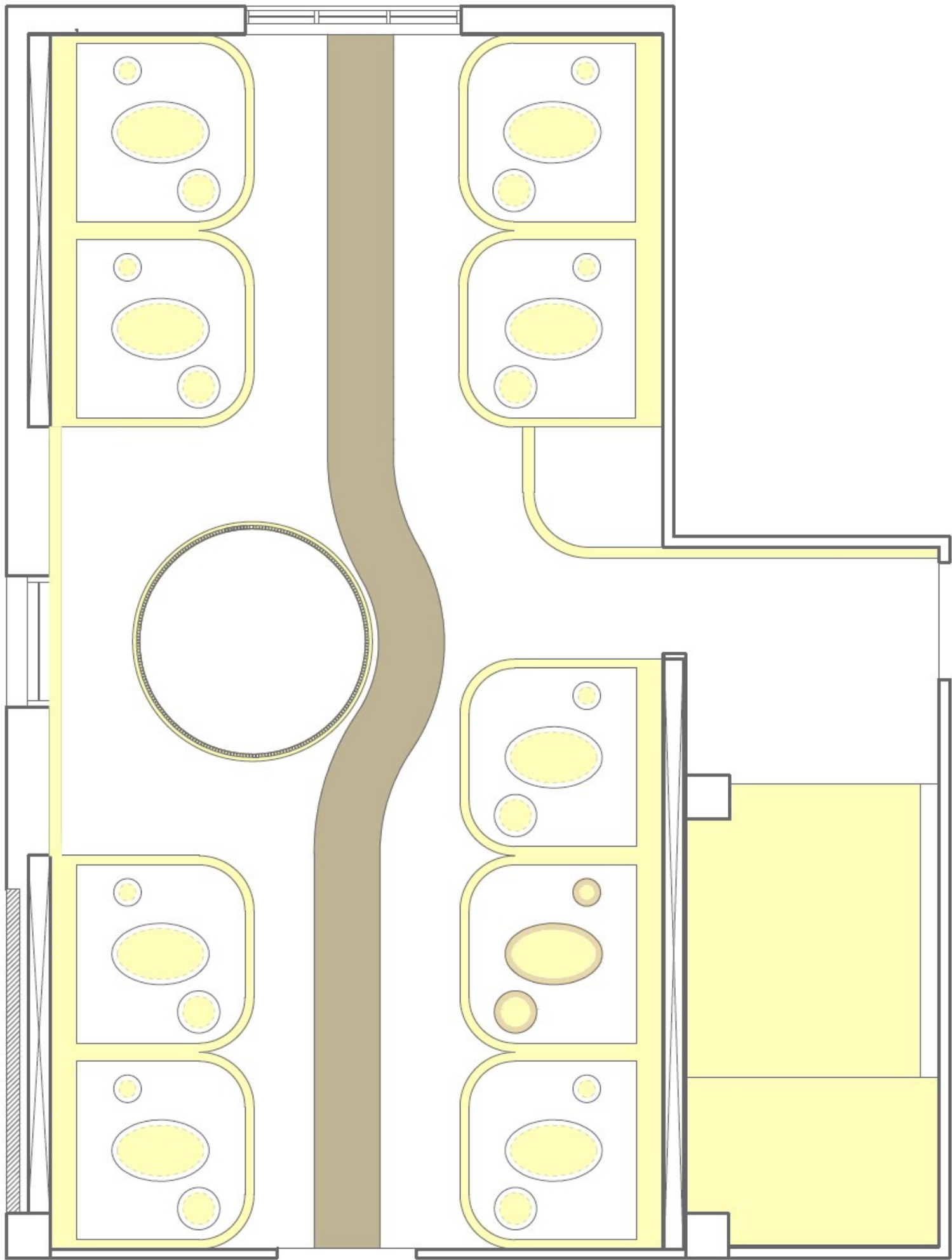


- LEGEND:**
- 1 -- Patient booth
 - 2 -- Nurse station
 - 3 -- Storage / Files
 - 4 -- Alcove
 - 5 -- Isolation room
 - 6 -- Isolation room bathroom



FLOOR PLAN

Reflected Ceiling Plan



+ 8' - 6"

+ 8' - 8"

+ 9' - 0"

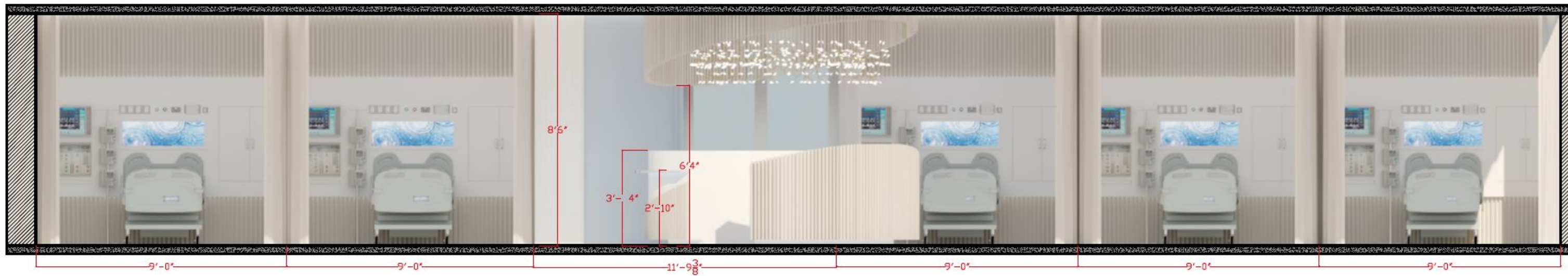
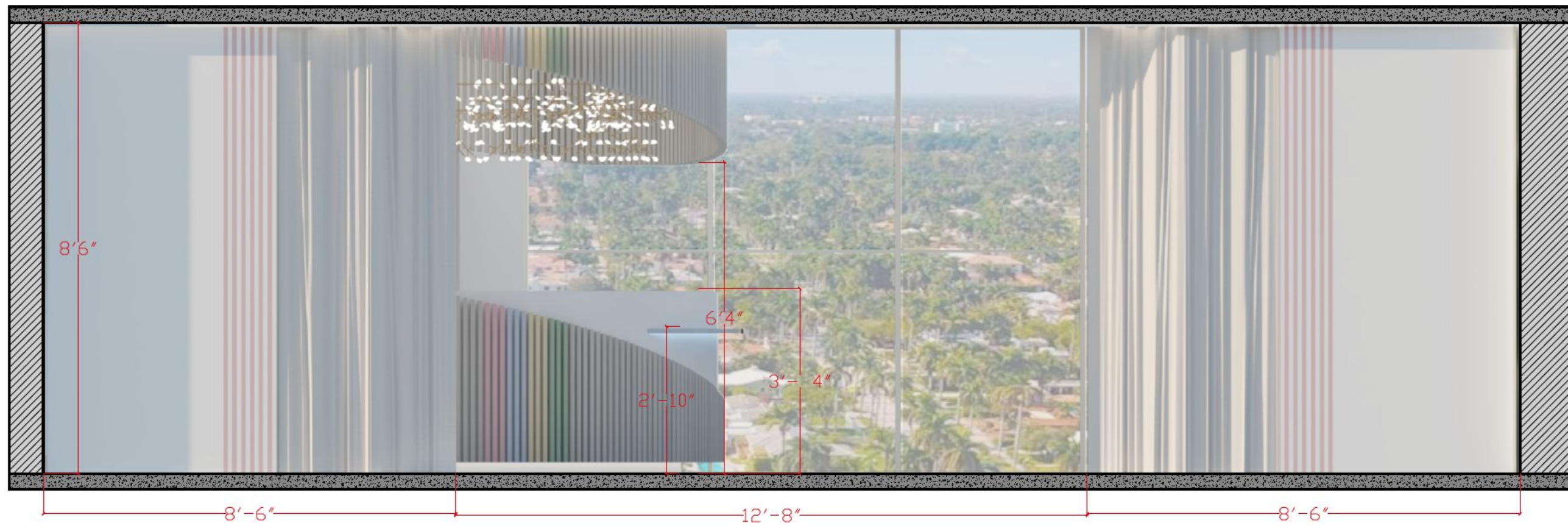
+ 9' - 8"



POST ANESTHESIA CARE UNIT

POST ANESTHESIA CARE UNIT

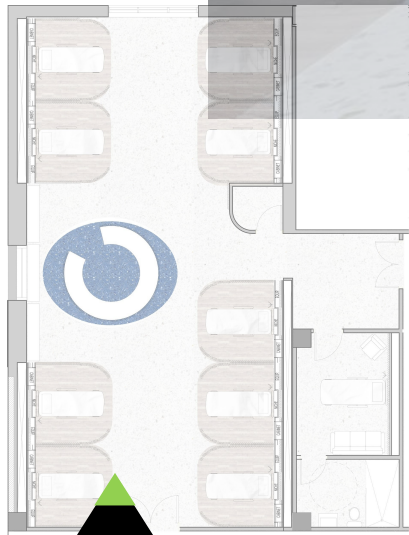
ELEVATIONS



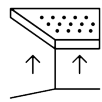
RENDERINGS



POST ANESTHESIA CARE UNIT



Imitation of Natural Environment



Dropped Ceilings in Areas



Windows

POST ANESTHESIA CARE UNIT



RENDERINGS



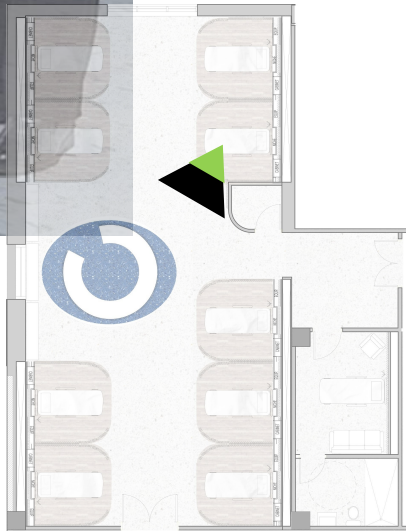
Imitation of Natural Environment



Dropped Ceilings in Areas



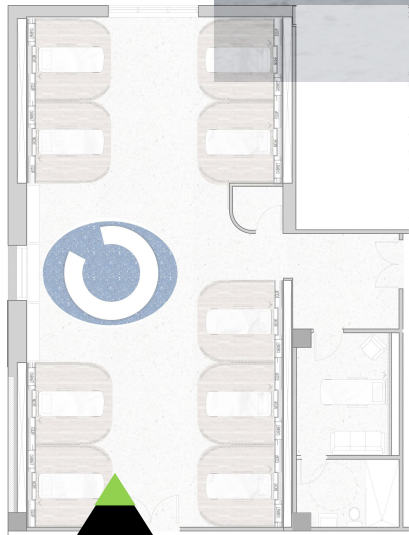
Auditory Stimulation:



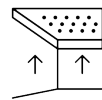
RENDERINGS



POST ANESTHESIA CARE UNIT



Imitation of Natural Environment



Dropped Ceilings in Areas



Windows

CONFERENCE / MULTIPURPOSE ROOM

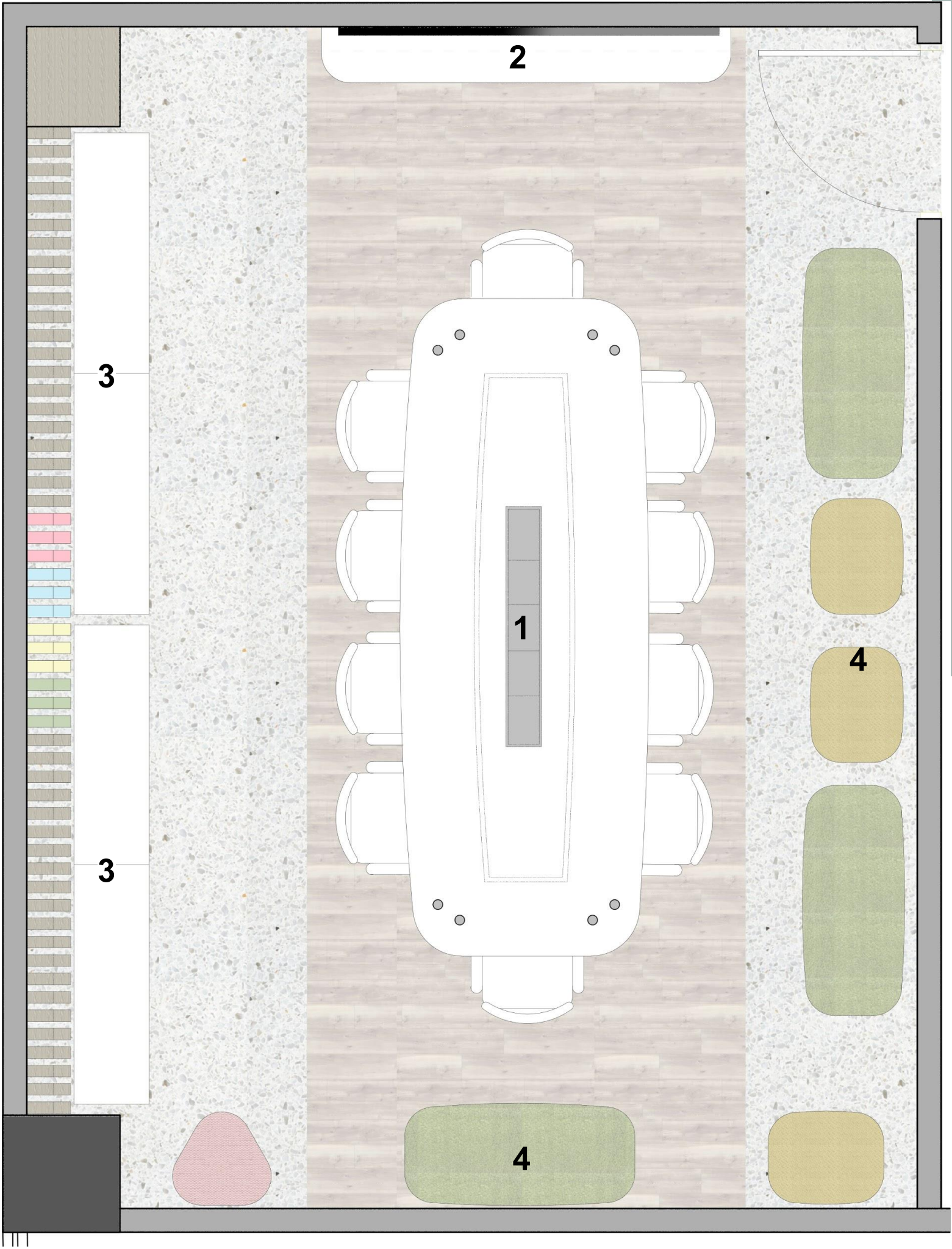
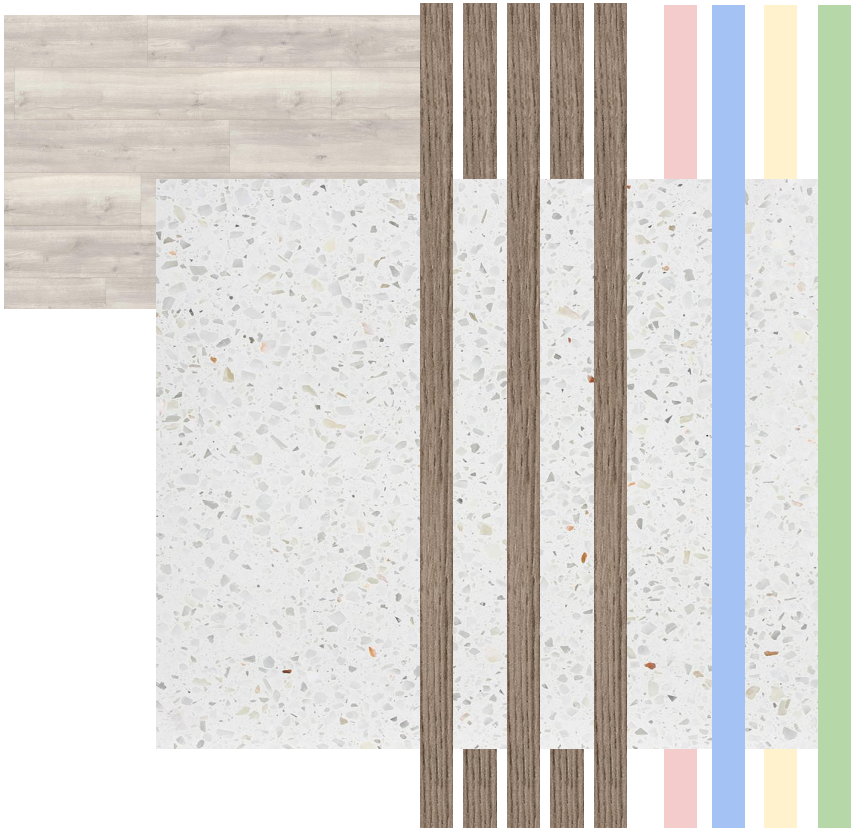
LEGEND:

1 -- Liftable table

2 -- TV and floating surface

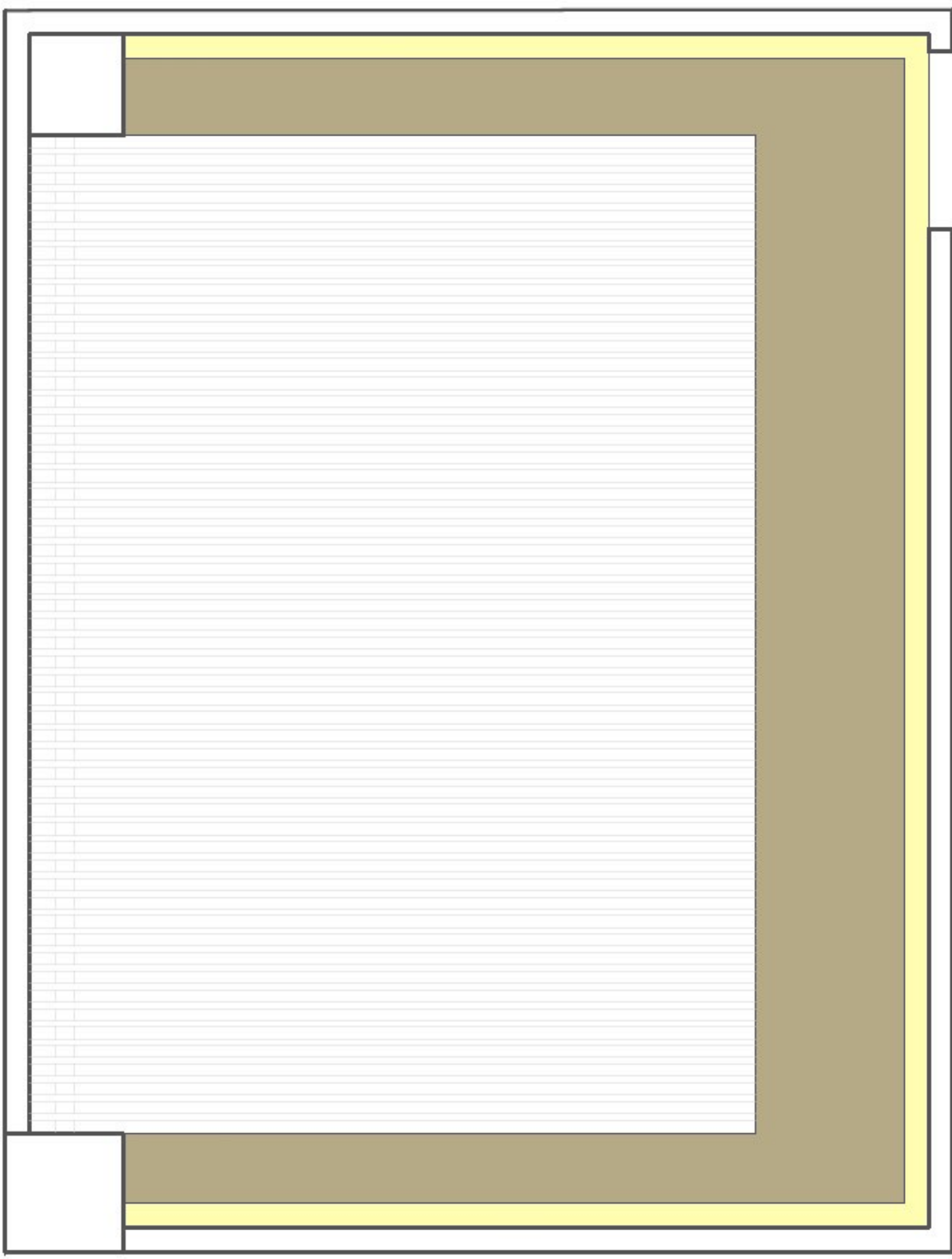
3 -- Storage / files

4 -- Auxiliary seatings



FLOOR PLAN

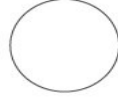
Reflected Ceiling Plan



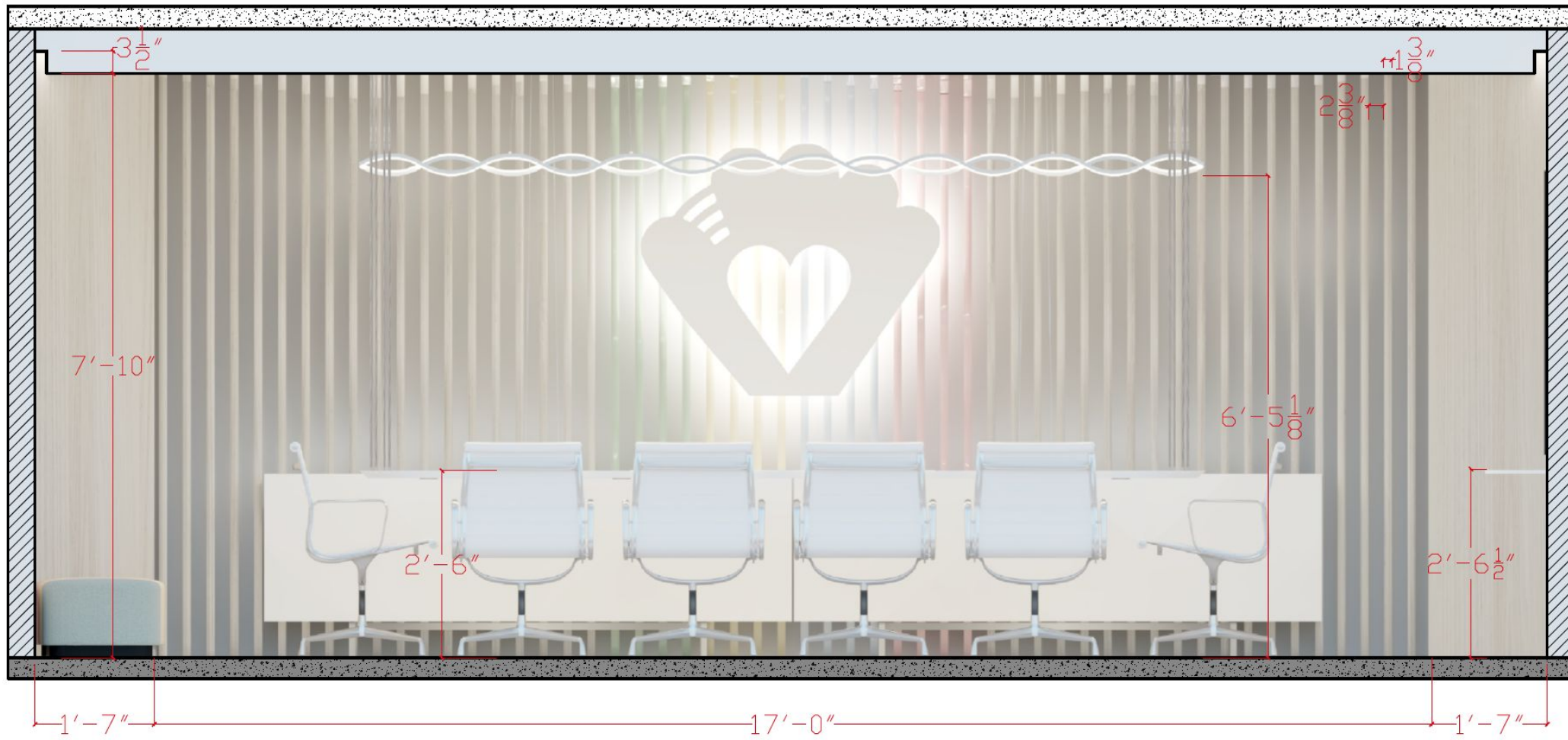
+ 7' - 10"

+ 8' - 1"

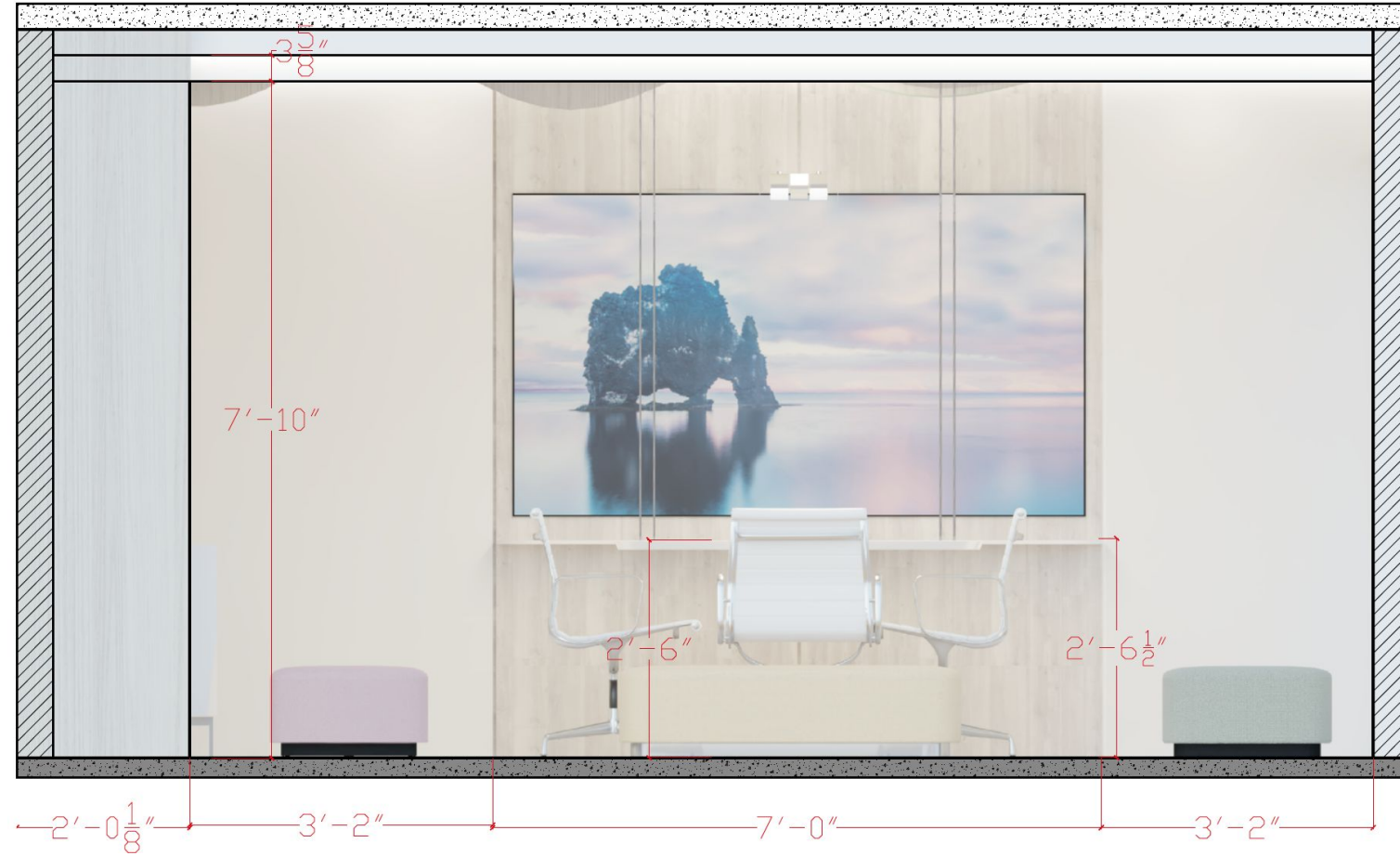
+ 9' - 1"

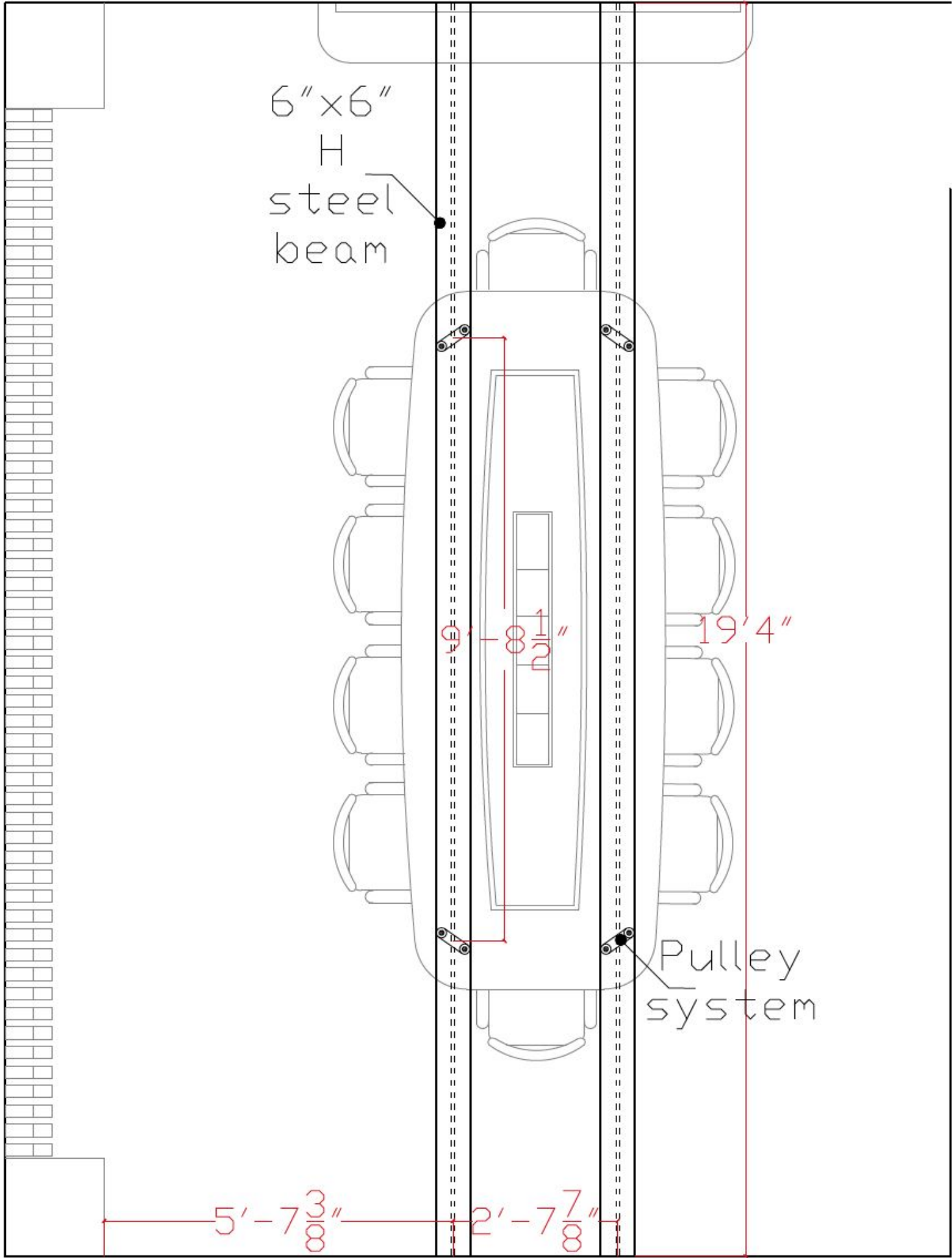


CONFERENCE / MULTIPURPOSE ROOM

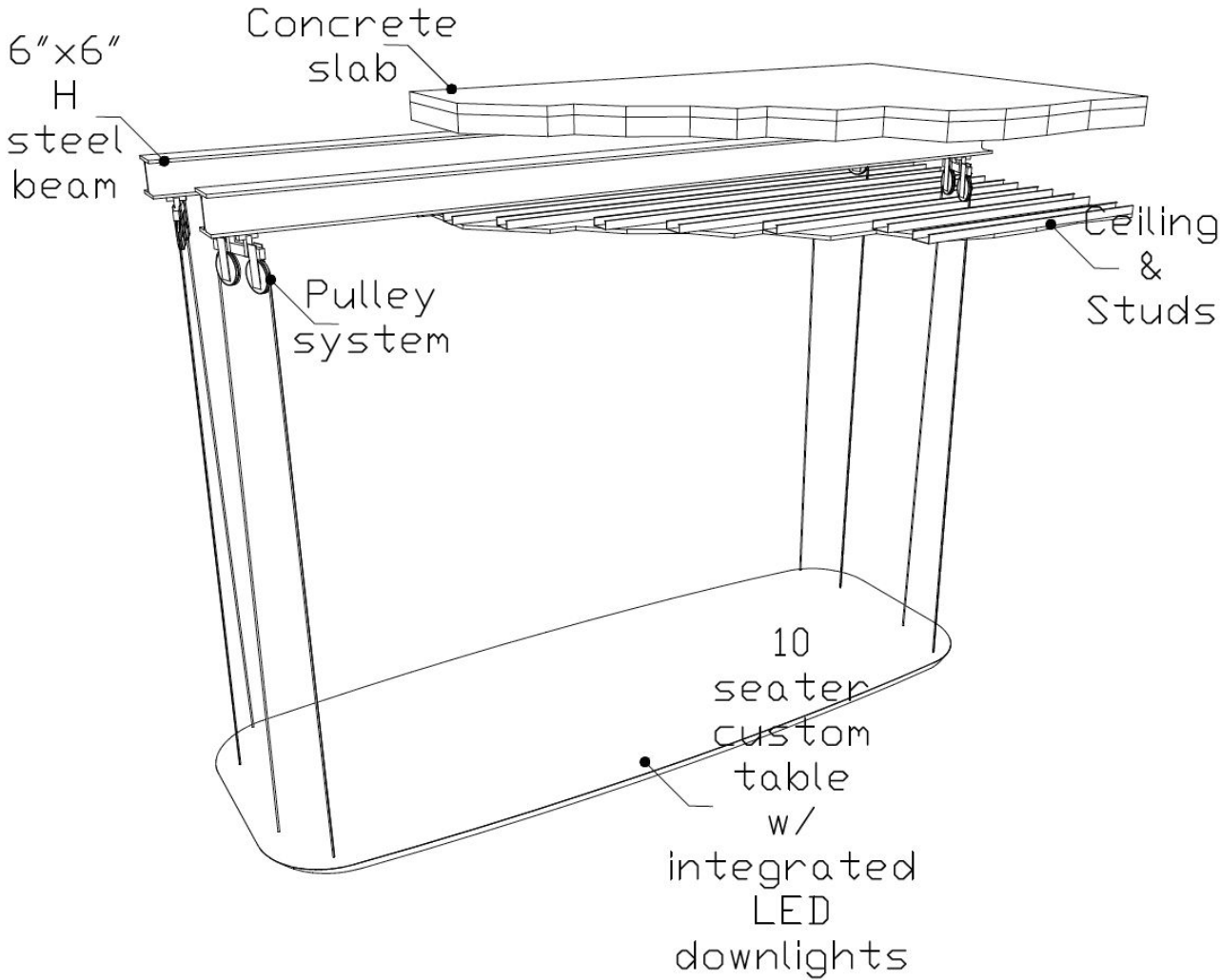


ELEVATIONS

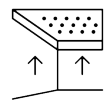




PLAN VIEW - CEILING REINFORCEMENT



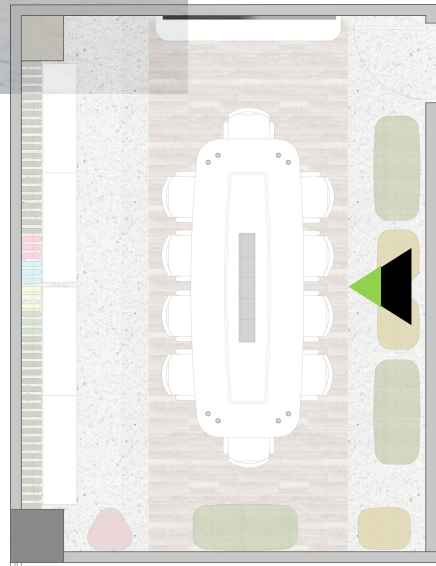
ISOMETRIC DETAIL

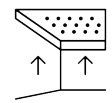
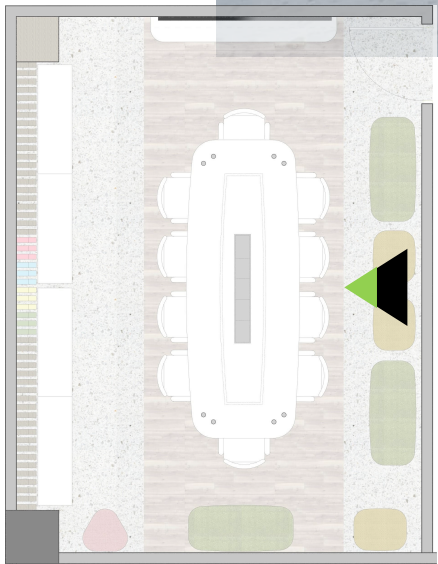


**Dropped Ceilings in
Areas**



**Auditory
Stimulation:**

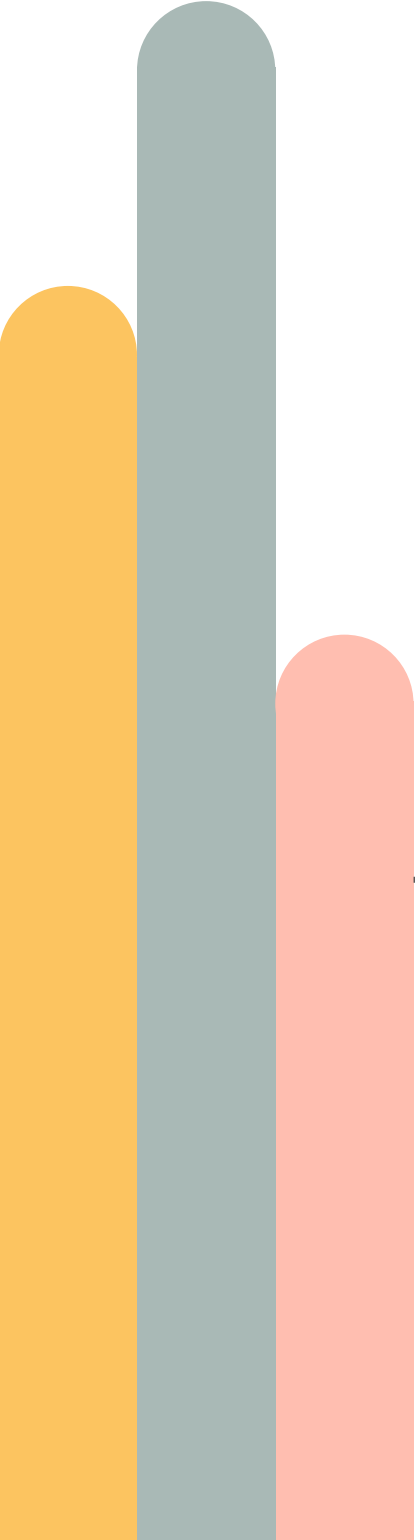




**Dropped Ceilings in
Areas**



**Auditory
Stimulation:**



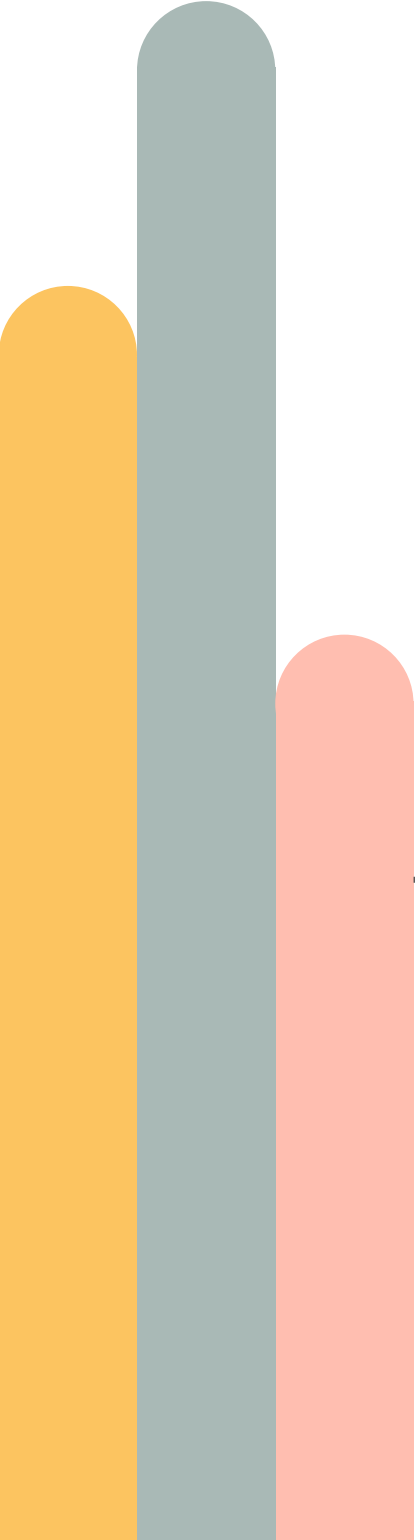
Support Areas

Figure References:

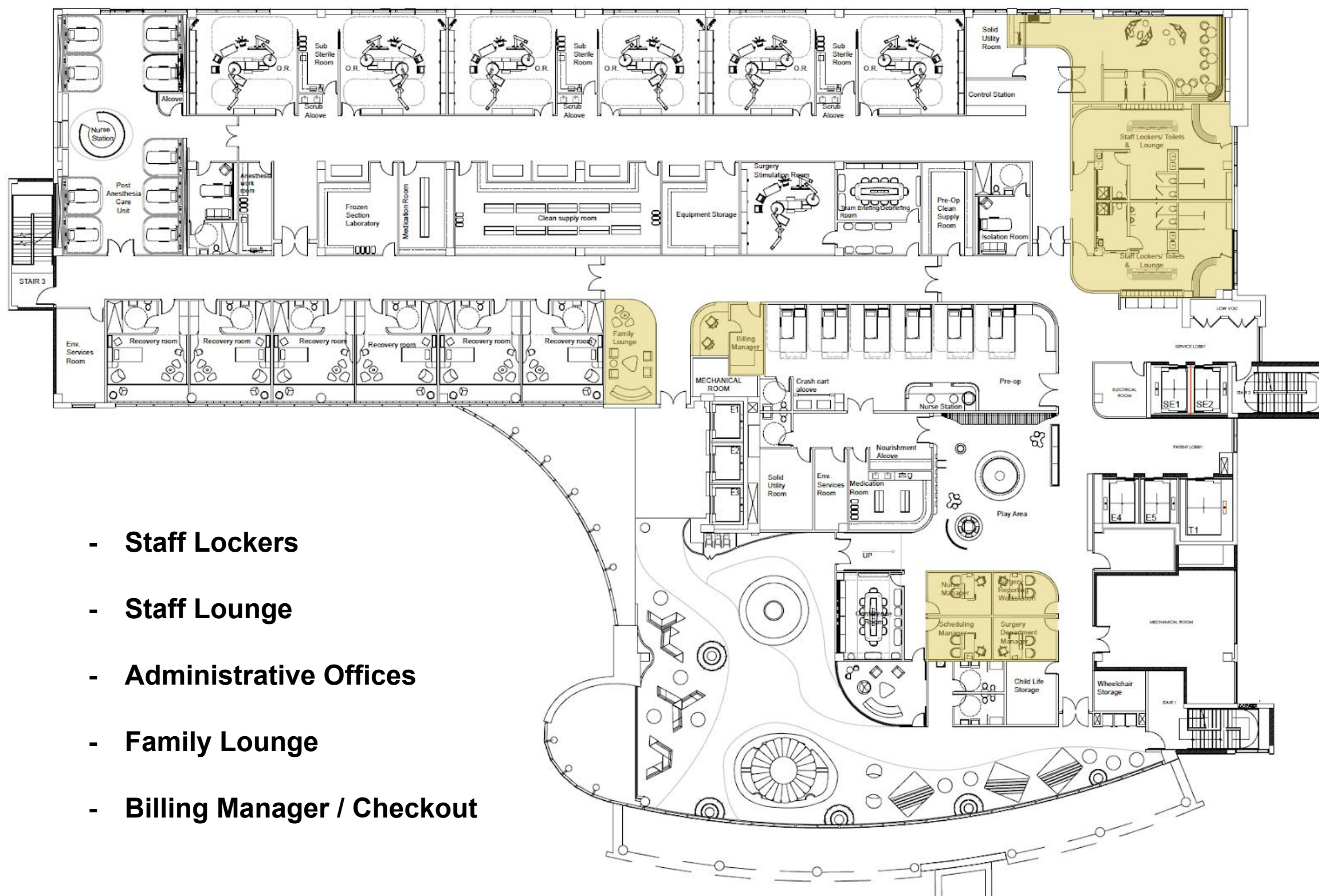
- Fig. 1 <https://laughingsquid.com/alternate-perspectives-distorted-panorama-by-randy-scott-slavin/>
- Fig. 2 <http://seawayblog.blogspot.com/2007/12/13-surrealistic-masterpieces-by.html>
- Fig. 3 <http://seawayblog.blogspot.com/2007/12/13-surrealistic-masterpieces-by.html>

Cited References:

Goddard, S. (2011). *The genius of natural childhood: secrets of thriving children*. Stroud: Hawthorn.

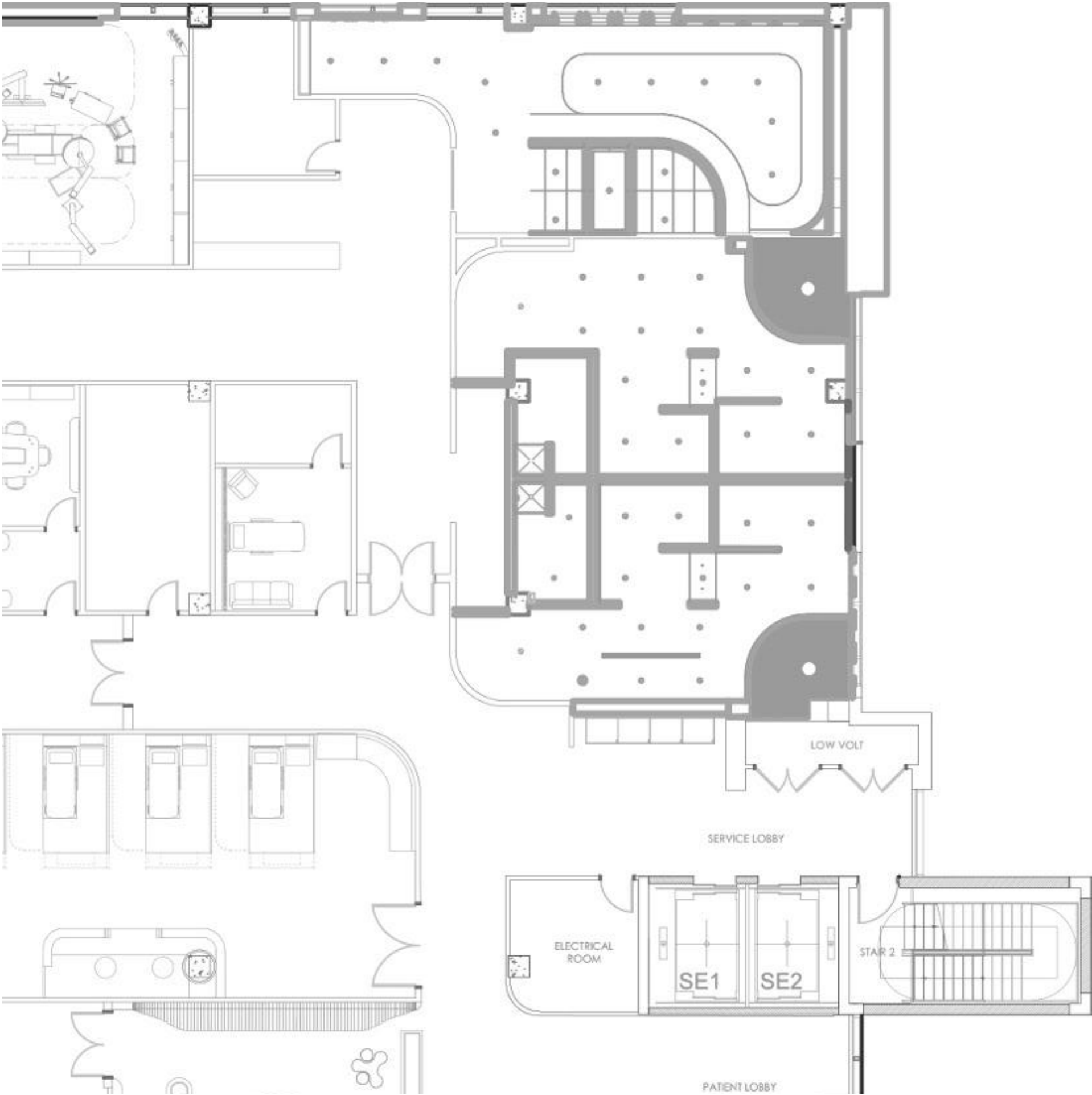


Support Areas



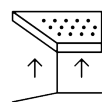
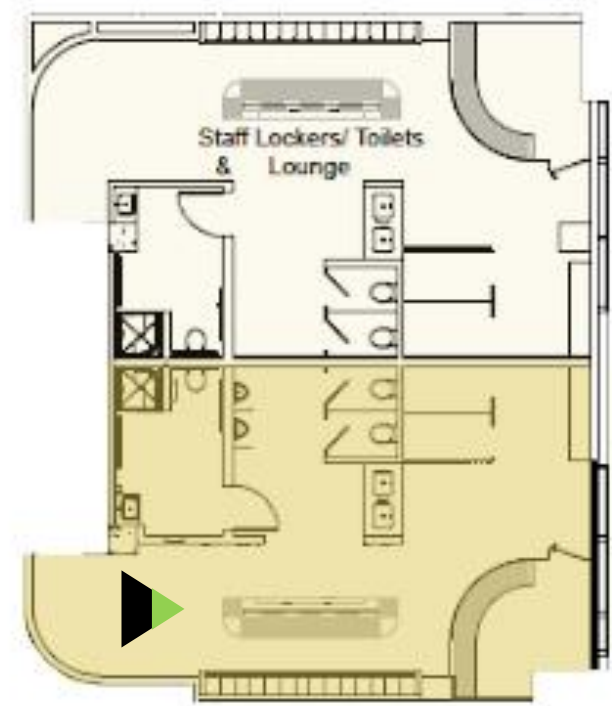
- Staff Lockers
- Staff Lounge
- Administrative Offices
- Family Lounge
- Billing Manager / Checkout

REFLECTED CEILING PLAN



SUPPORT AREAS

STAFF LOCKERS



**Dropped Ceilings in
Areas**



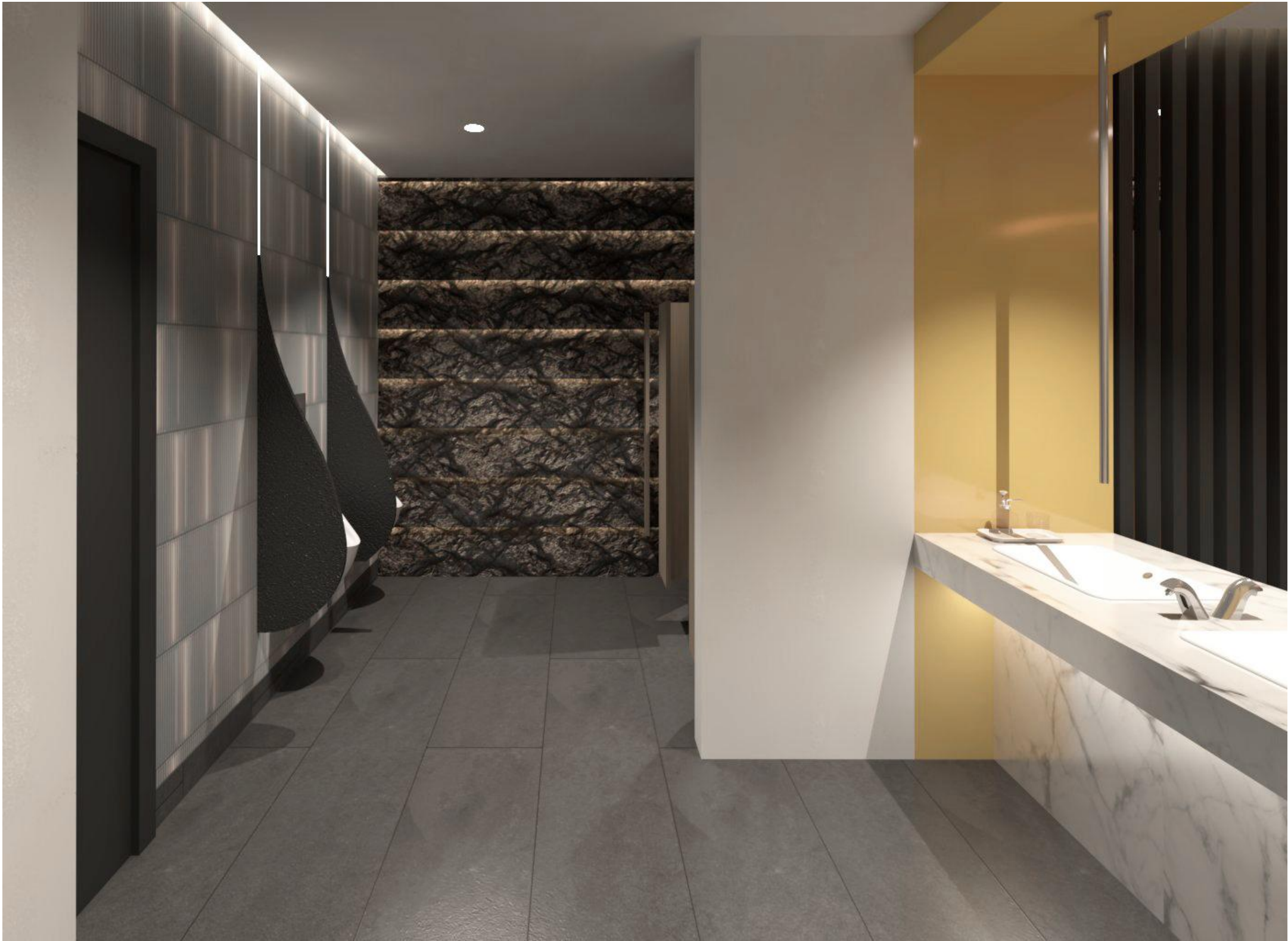
**Auditory
Stimulation:**



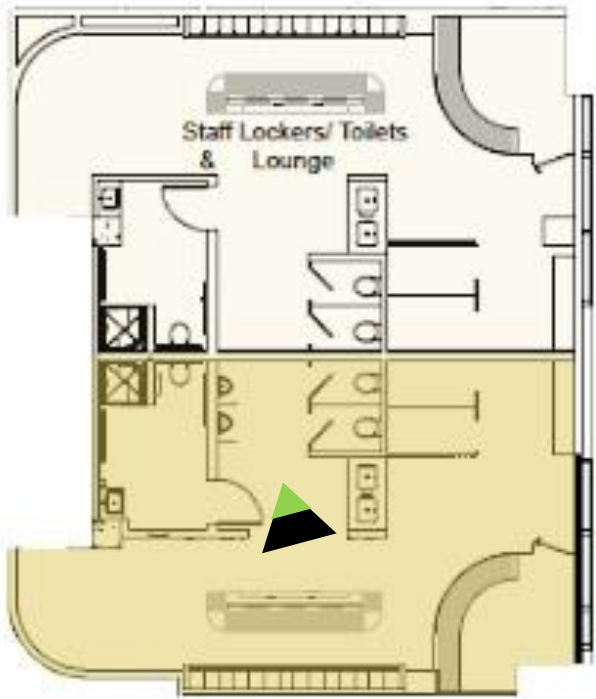
**Imitation of Natural
Environment**

SUPPORT AREAS

SUPPORT AREAS



STAFF LOCKERS



Dropped Ceilings in Areas

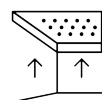
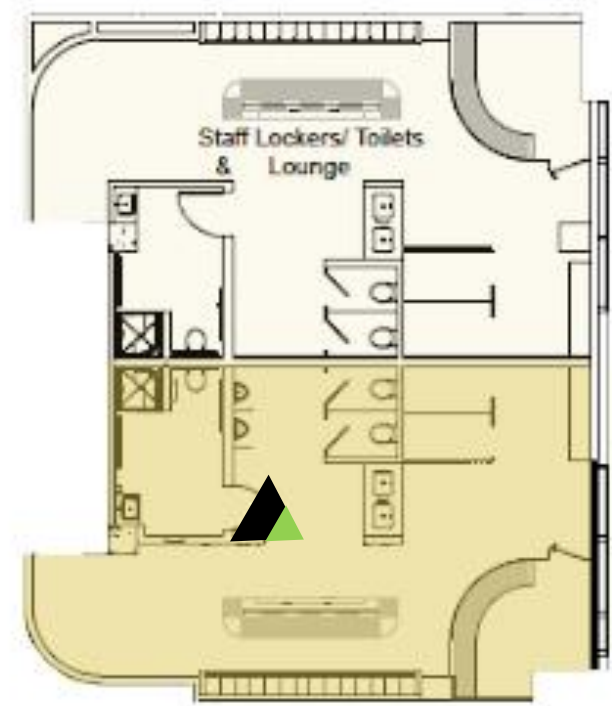


Auditory Stimulation:



Imitation of Natural Environment

STAFF LOCKERS



Dropped Ceilings in
Areas



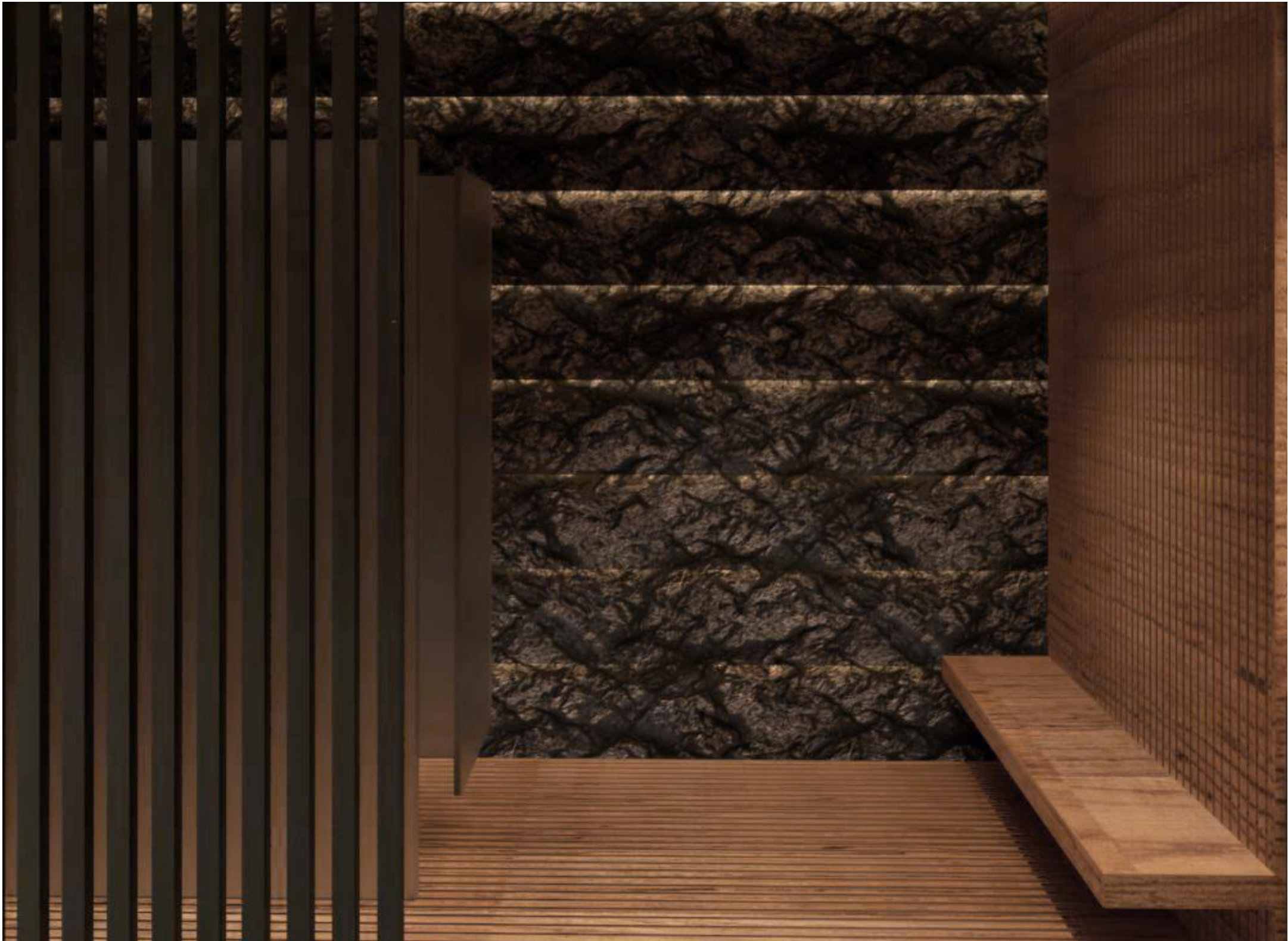
Auditory
Stimulation:



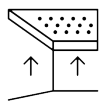
Imitation of Natural
Environment

SUPPORT AREAS

SUPPORT AREAS



**Ambient Lighting
For Mood and Relaxation**



**Dropped Ceilings in
Areas**

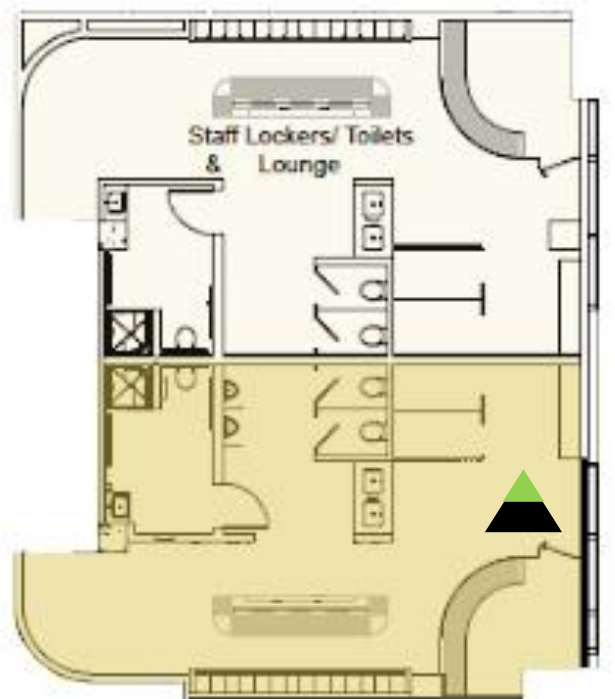


**Auditory
Stimulation:**

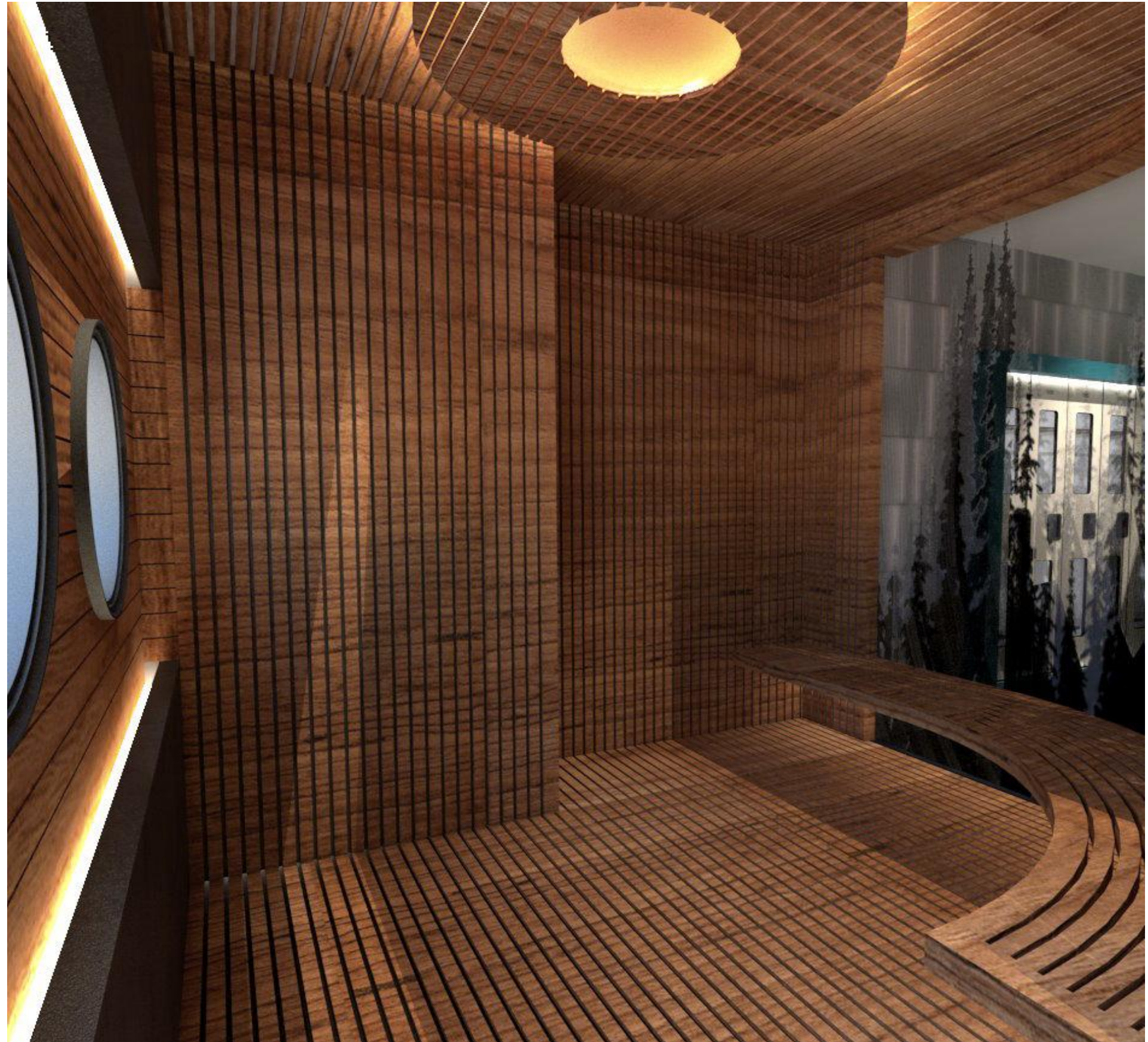
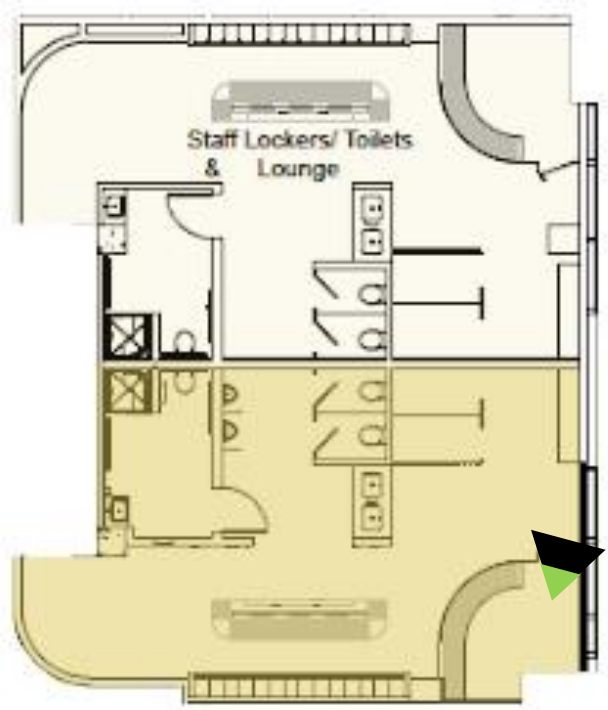


**Imitation of Natural
Environment**

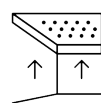
STAFF LOCKERS



STAFF LOCKERS



Imitation of Natural Environment



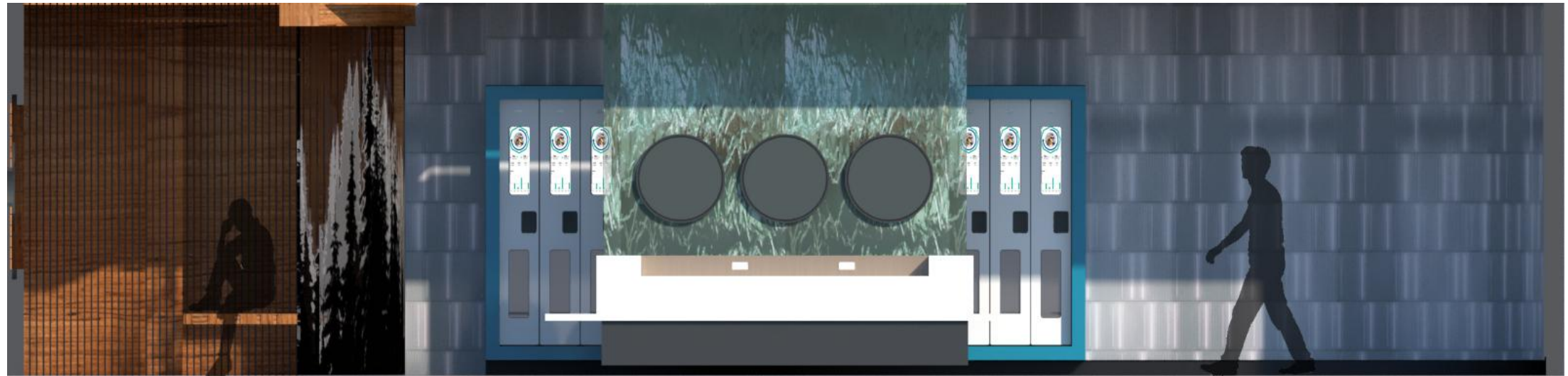
Dropped Ceilings in Areas



Windows

STAFF LOCKER ROOMS

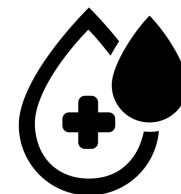
PROTOTYPE



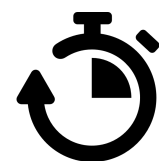
Heart Rate Monitoring



Step Counter / Calorie Loss Log



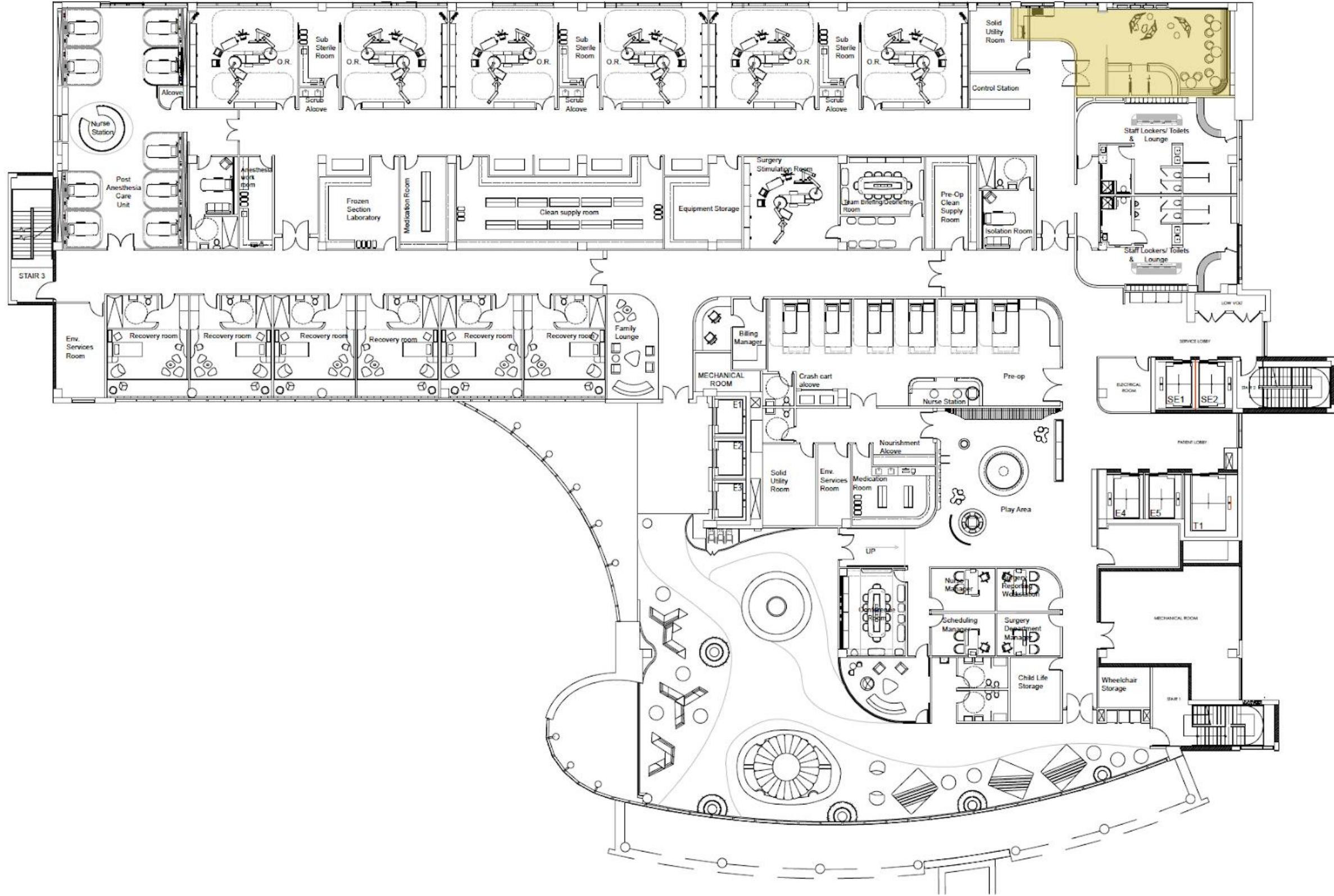
Blood Sugar



Real Time Updates / Easy Call
Rapid Check in
Control Station Check in



STAFF LOUNGE

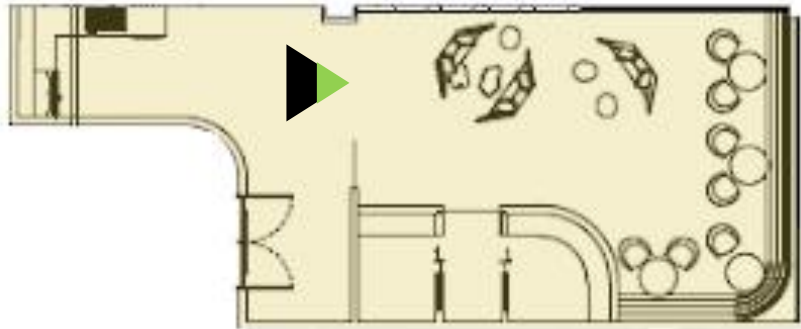


SUPPORT AREAS

SUPPORT AREAS



STAFF LOUNGE



Acoustical Privacy



Windows (Views + Natural Lighting)

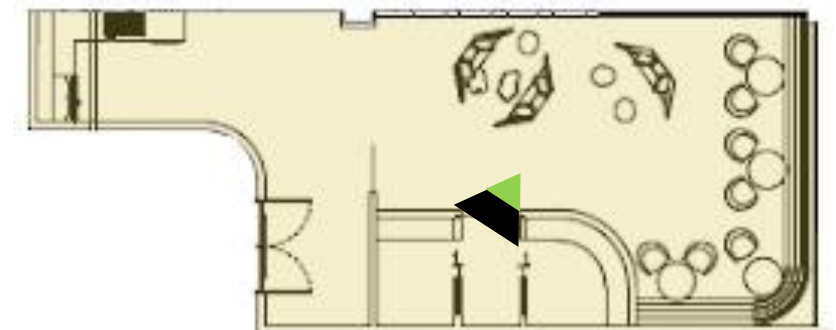
STAFF LOUNGE



Acoustical Privacy



Windows (Views)



SUPPORT AREAS

SUPPORT AREAS



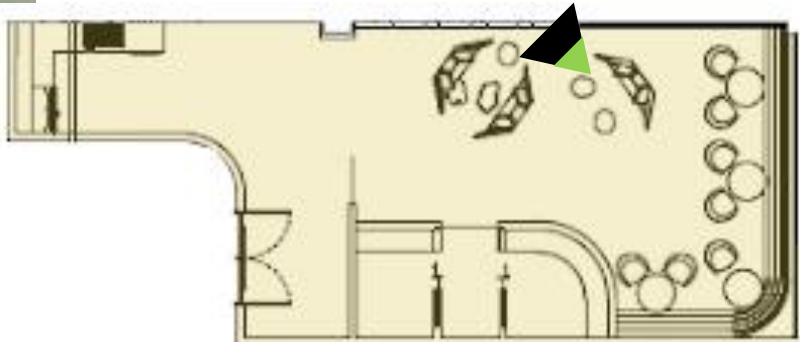
STAFF LOUNGE



Acoustical Privacy



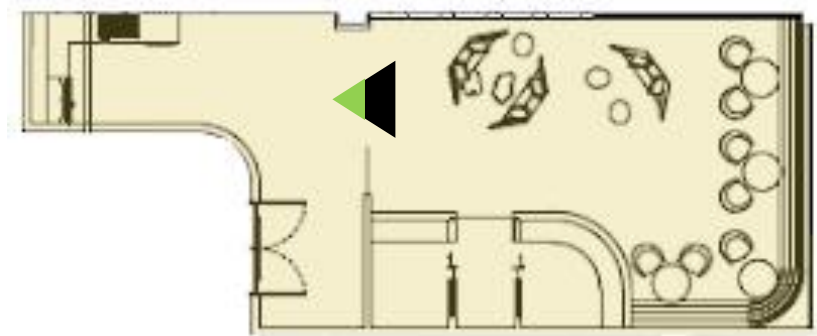
Windows (Views + Natural Lighting)



SUPPORT AREAS



STAFF LOUNGE

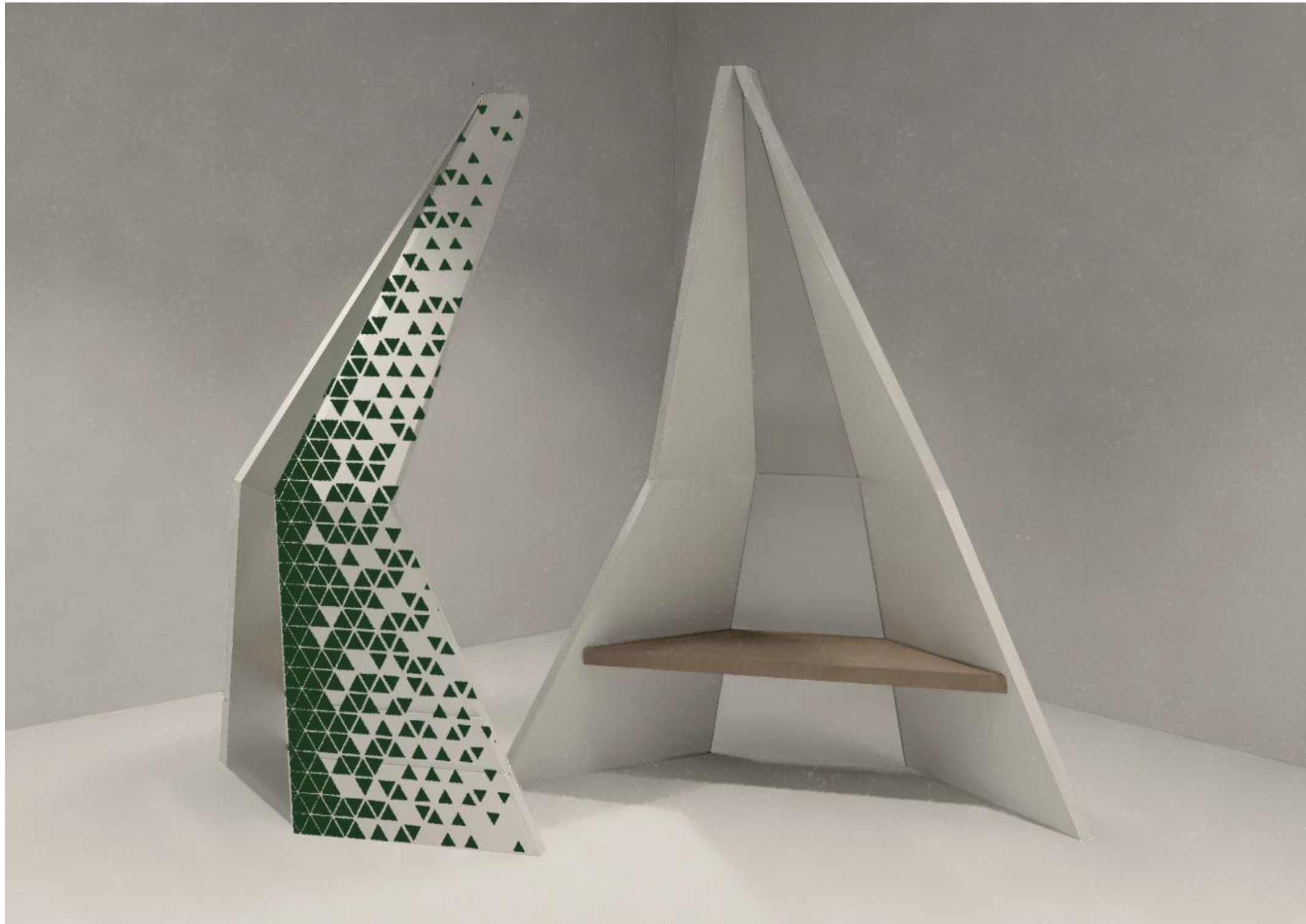


Acoustical Privacy



Windows (Views + Natural Lighting)

PROTOTYPE



Acoustical Privacy

Adaptability with seating while providing users with intimacy and acoustical privacy. Each unit is mobile while resting on ball casters, allowing user full 360 degree control.

Figure References:

- Fig. 1 <https://laughingsquid.com/alternate-perspectives-distorted-panorama-by-randy-scott-slavin/>
- Fig. 2 <http://seawayblog.blogspot.com/2007/12/13-surrealistic-masterpieces-by.html>
- Fig. 3 <http://seawayblog.blogspot.com/2007/12/13-surrealistic-masterpieces-by.html>

Cited References:

Goddard, S. (2011). *The genius of natural childhood: secrets of thriving children*. Stroud: Hawthorn.