



2017

AIA AAH Healthcare Design Awards

Academy of Architecture for Health

An **AIA** Knowledge Community

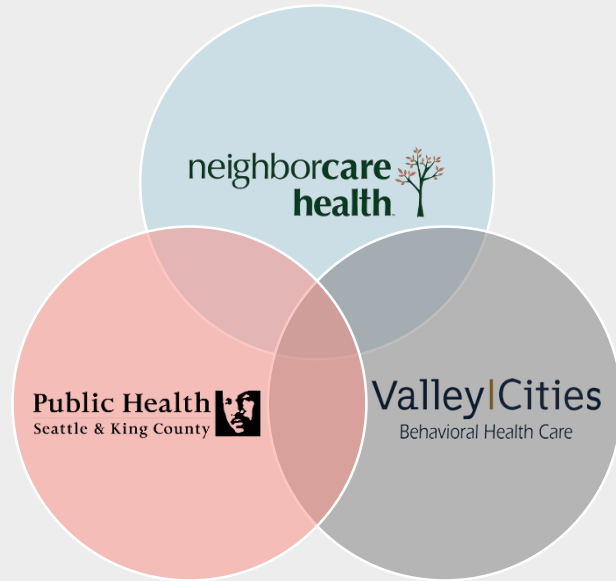


Neighborcare Health, Meridian Center for Health

nbbj

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integration





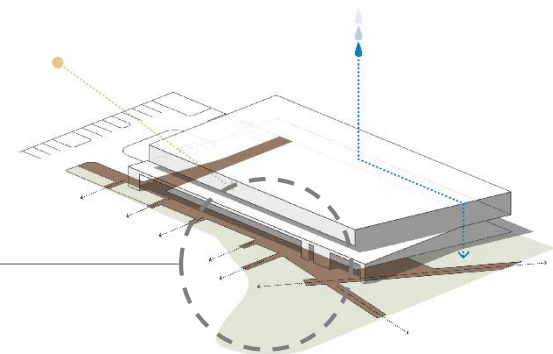
SITE PLAN

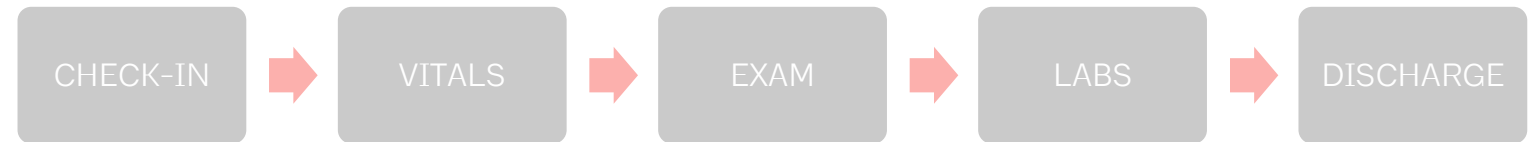


SCALE: 0 16 32 64 96 128 160

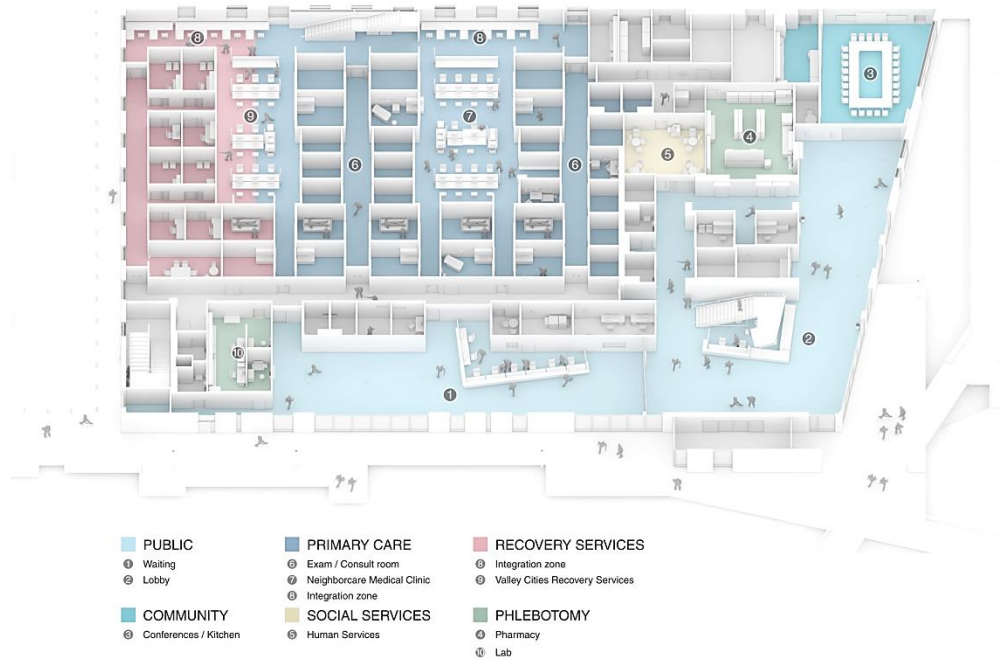


SUSTAINABILITY DIAGRAM

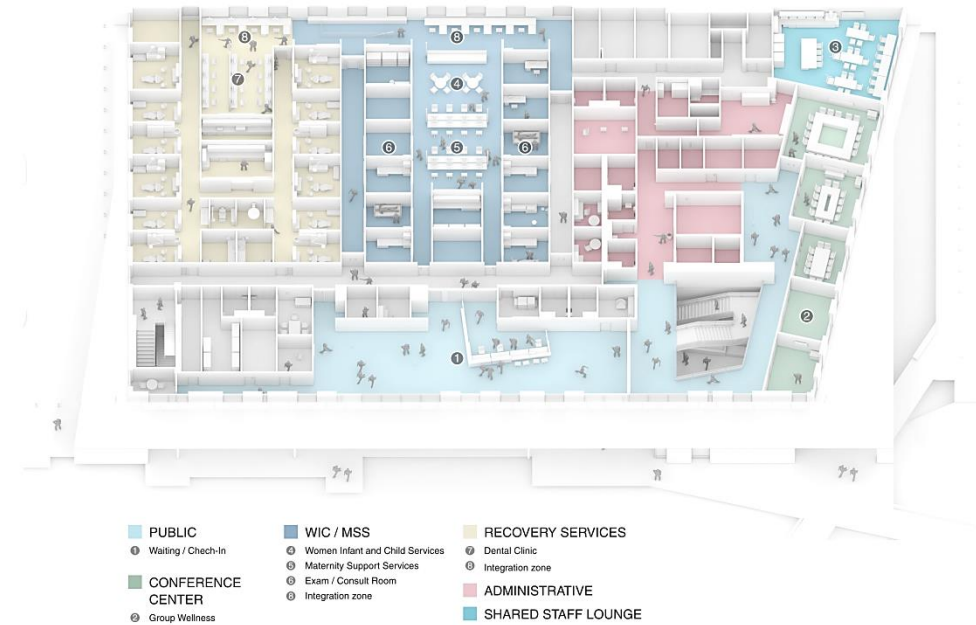




LEVEL 1

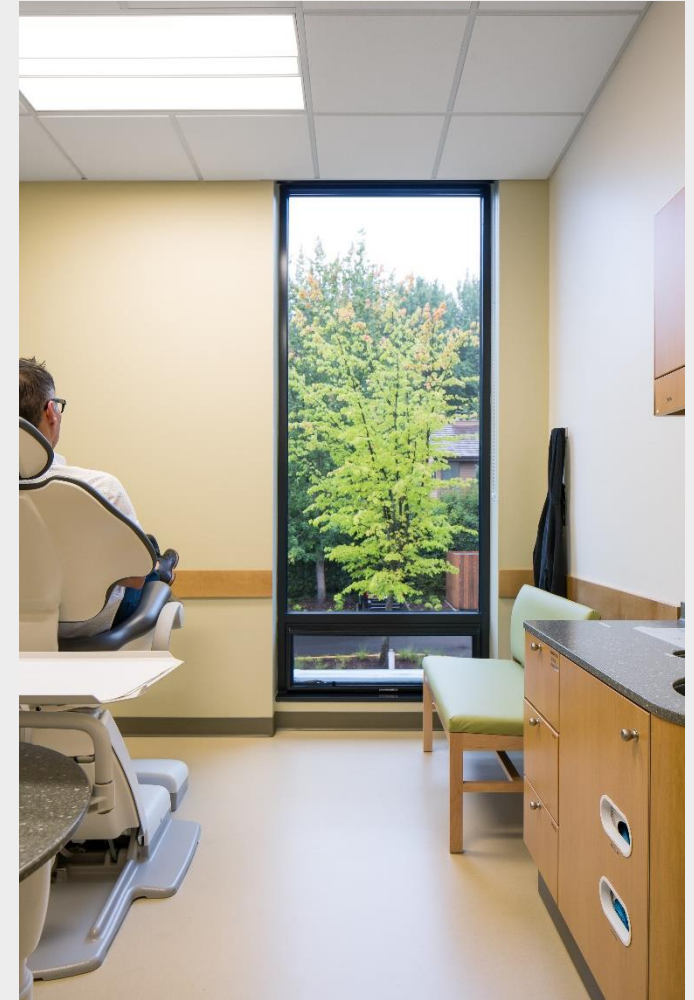


LEVEL 2





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Center for Health



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HISTORICAL NEIGHBORHOOD IMAGES



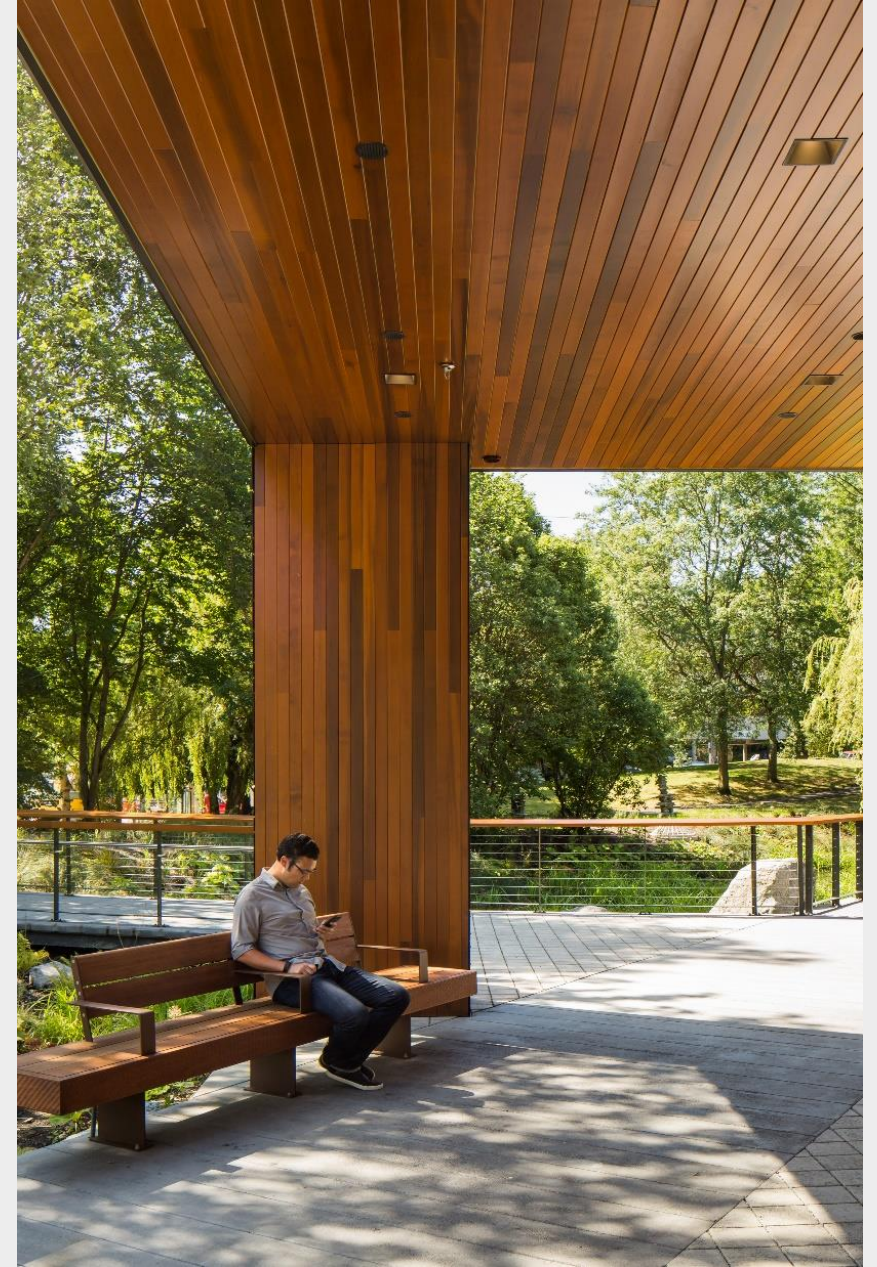


Neighborcare Health, Meridian
Center for Health

NBBJ



Neighborcare Health, Meridian
Center for Health



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Harvey Pediatric Clinic

MARLON BLACKWELL ARCHITECTS

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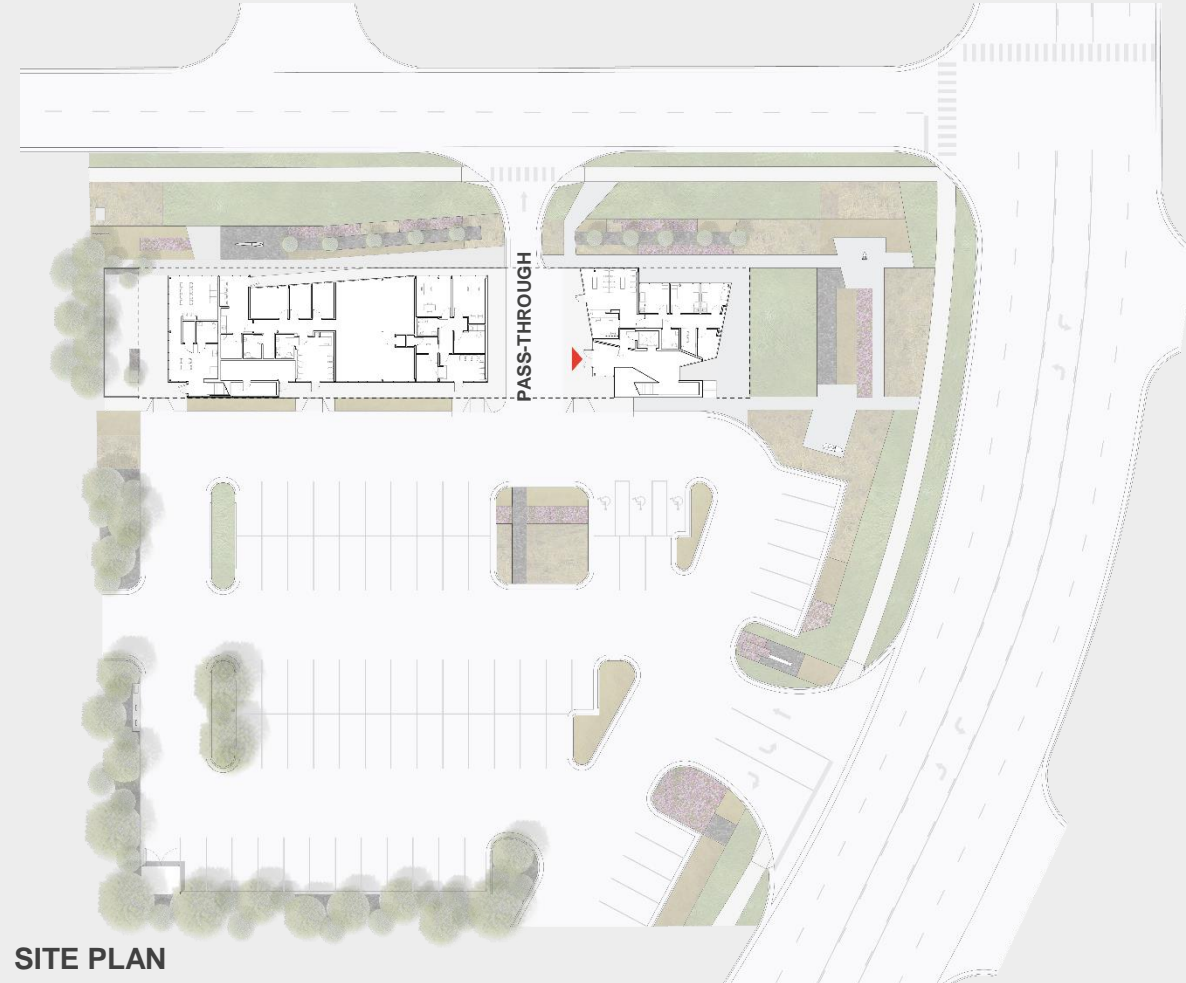
SOUTH ELEVATION





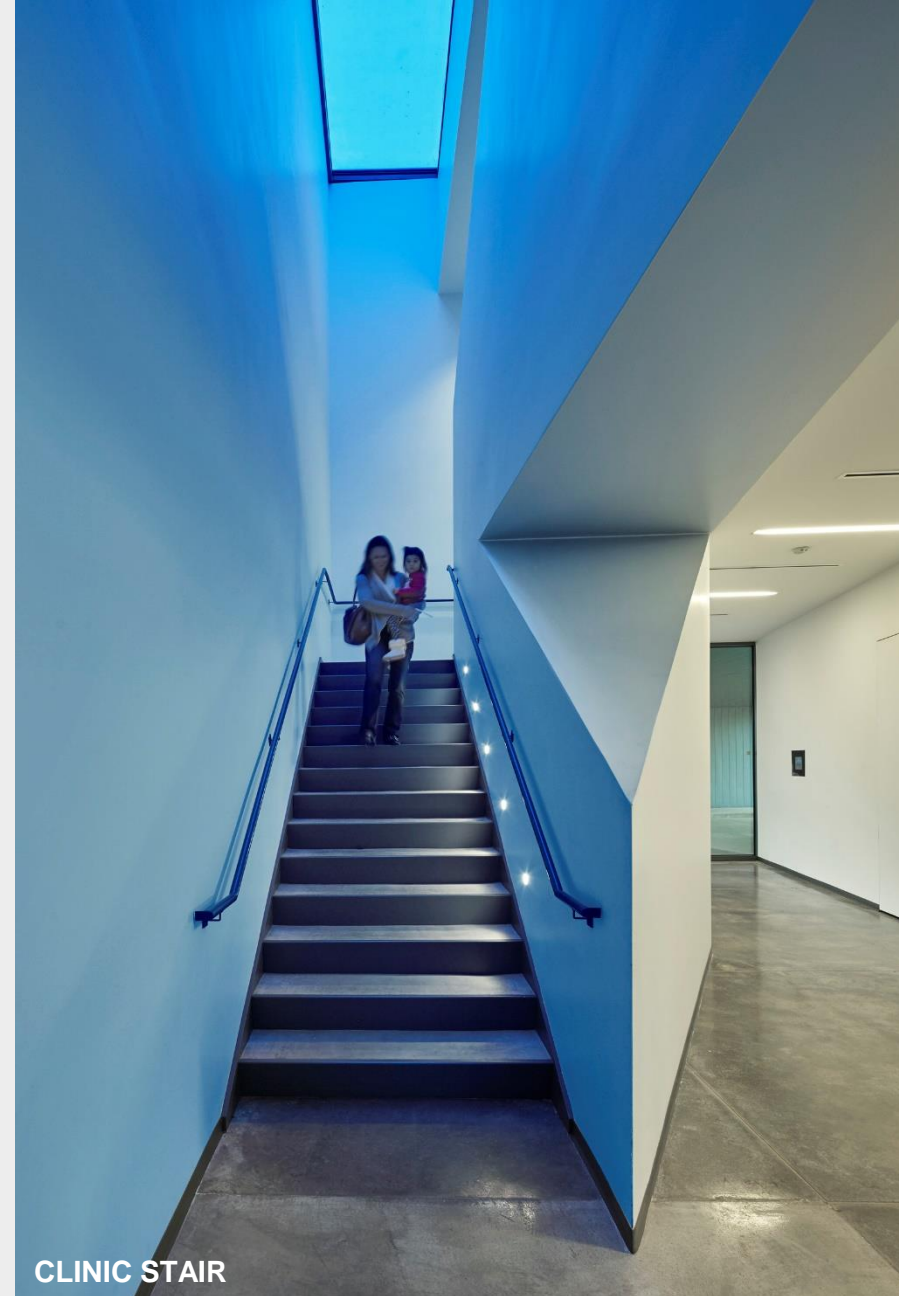
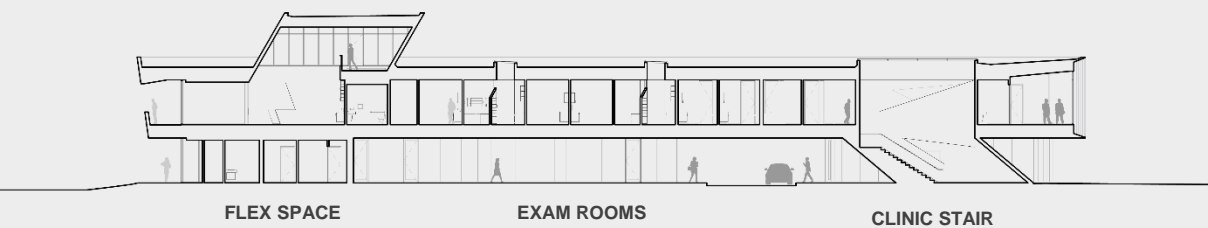
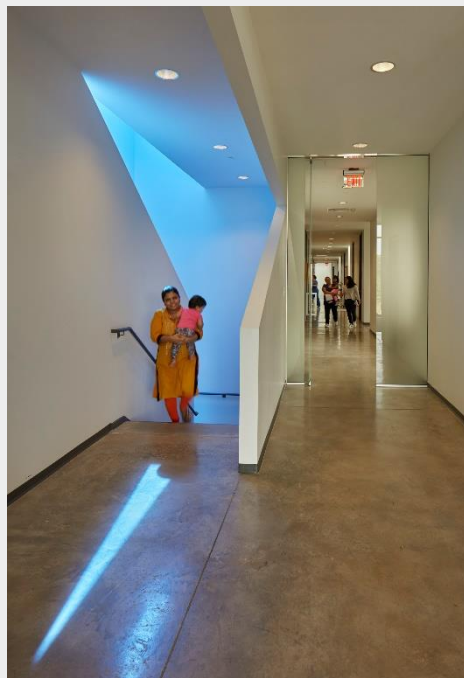
SOUTHEAST VIEW

Harvey Pediatric Clinic



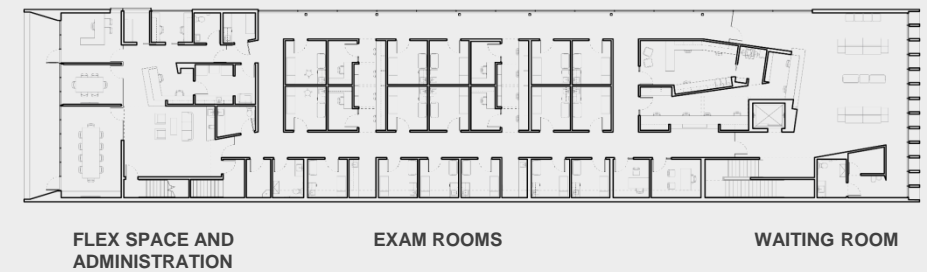
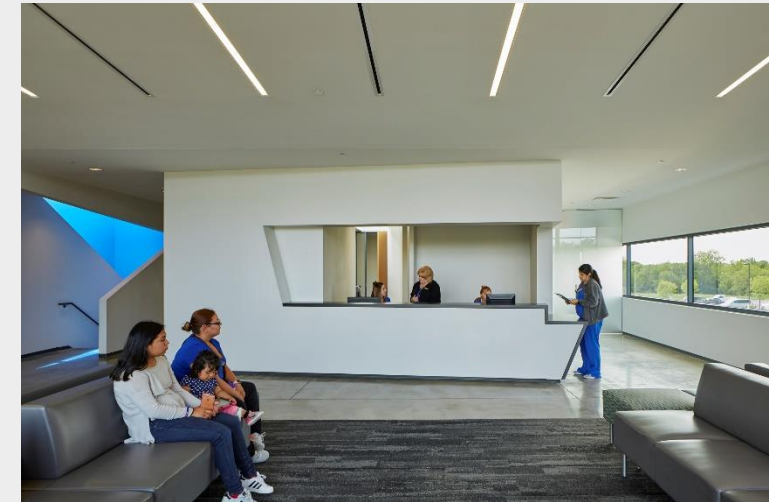
SITE PLAN

MARLON BLACKWELL ARCHITECTS





WAITING ROOM





EXAM ROOM

Harvey Pediatric Clinic



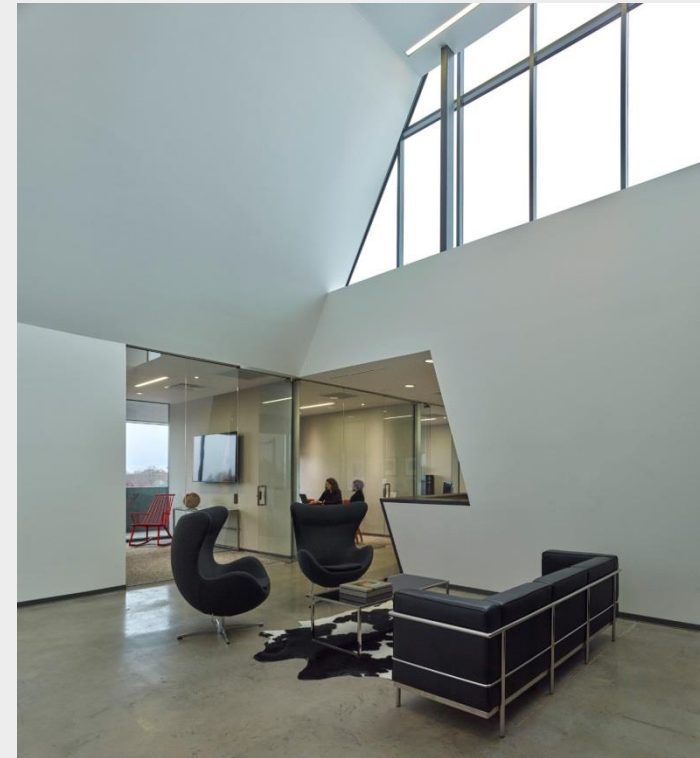
NURSES' STATION

MARLON BLACKWELL ARCHITECTS



FLEX SPACE AND ADMINISTRATION

Harvey Pediatric Clinic



MARLON BLACKWELL ARCHITECTS



Harvey Pediatric Clinic



MARLON BLACKWELL ARCHITECTS



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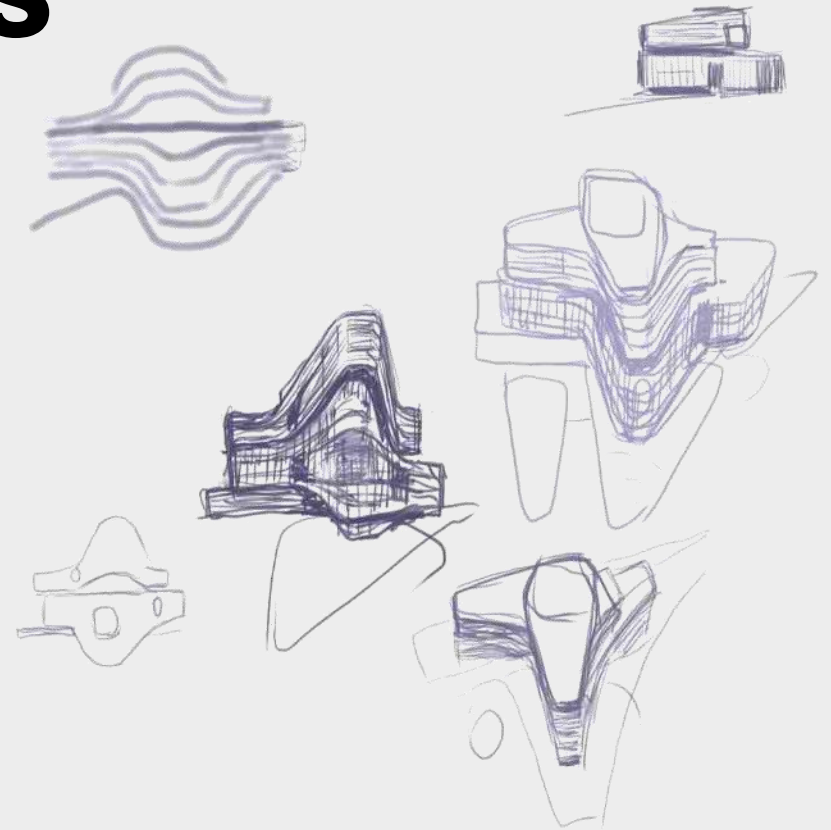
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UC San Diego Jacobs Medical Center

CannonDesign

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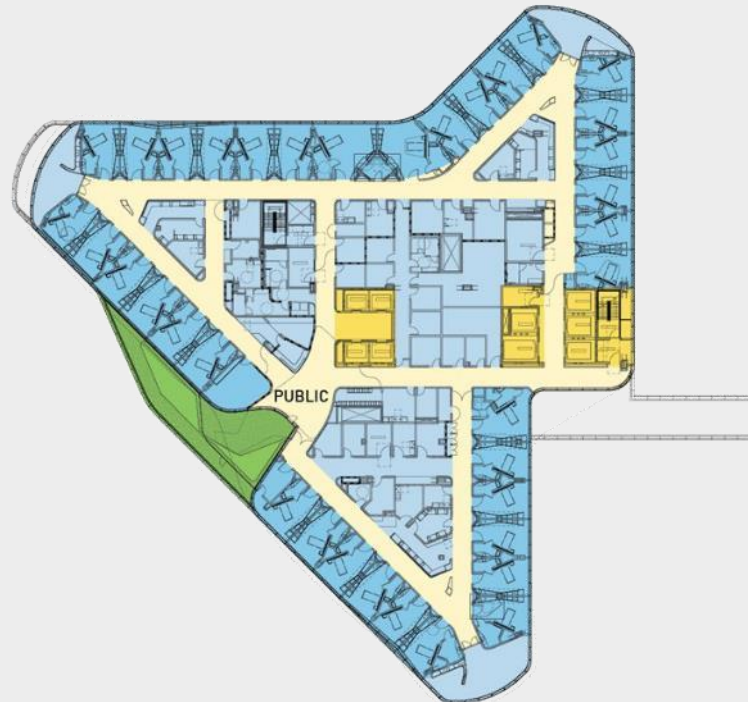
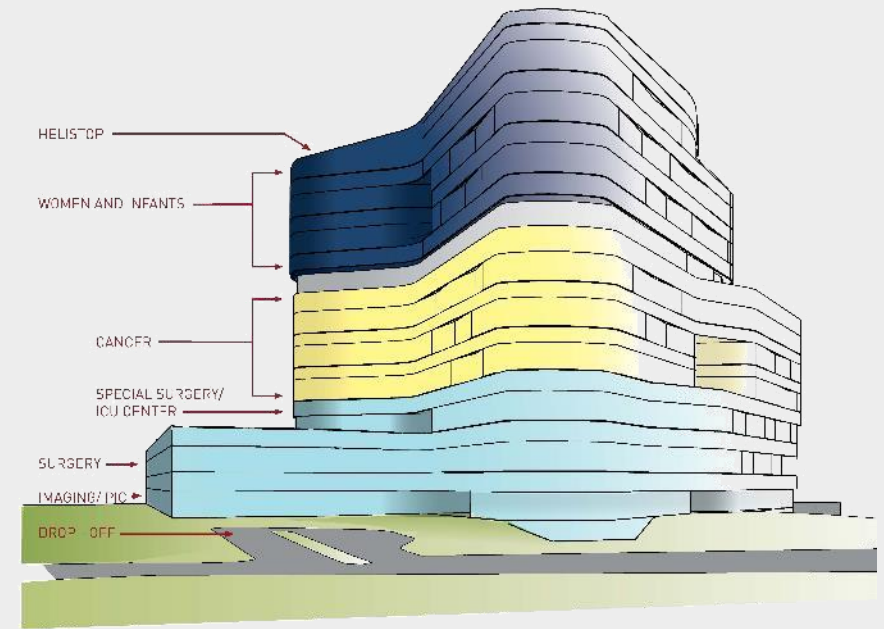


UC San Diego Jacobs Medical Center

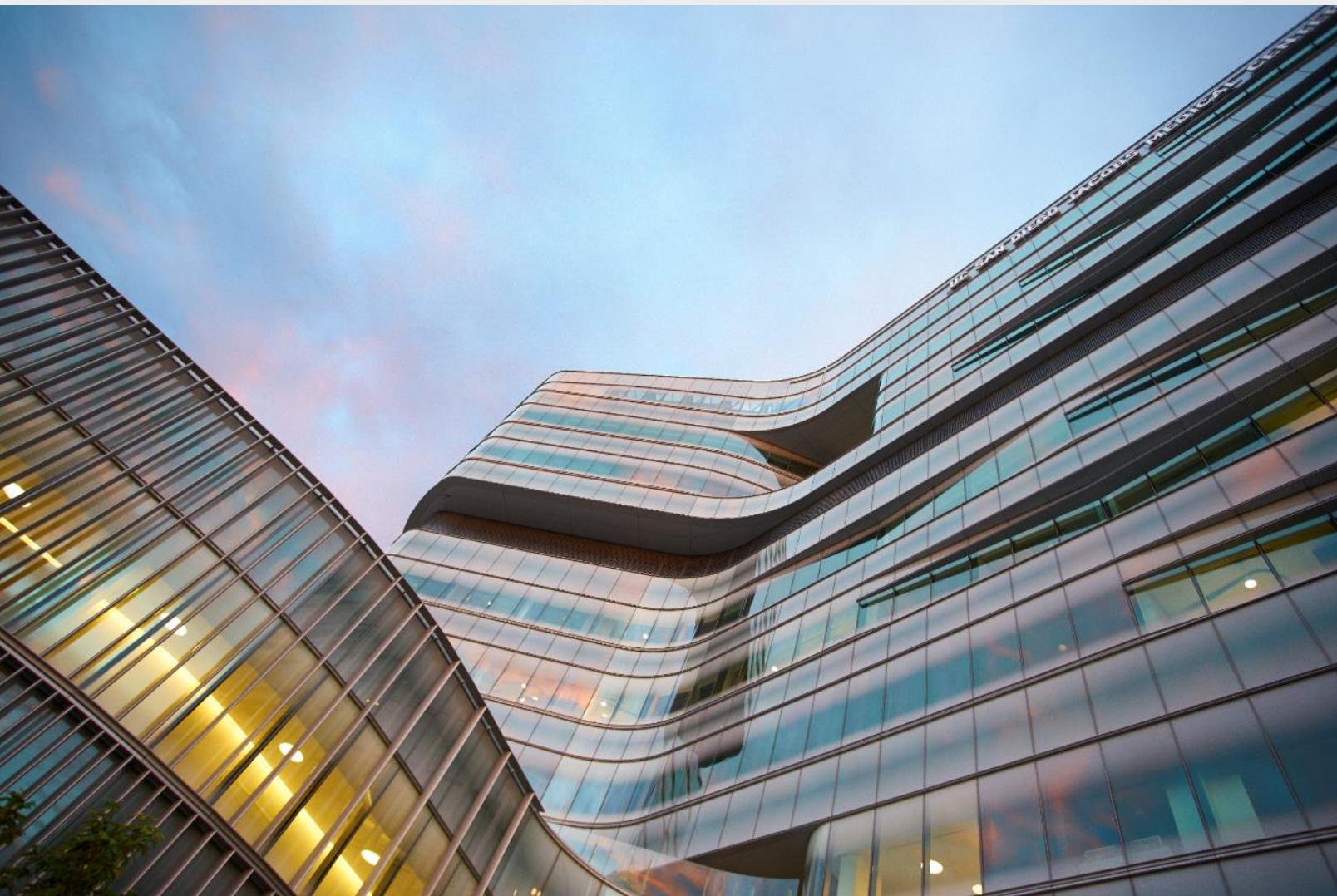
CannonDesign



UCSD Jacobs Medical Center



CannonDesign



UCSD Jacobs Medical Center



CannonDesign

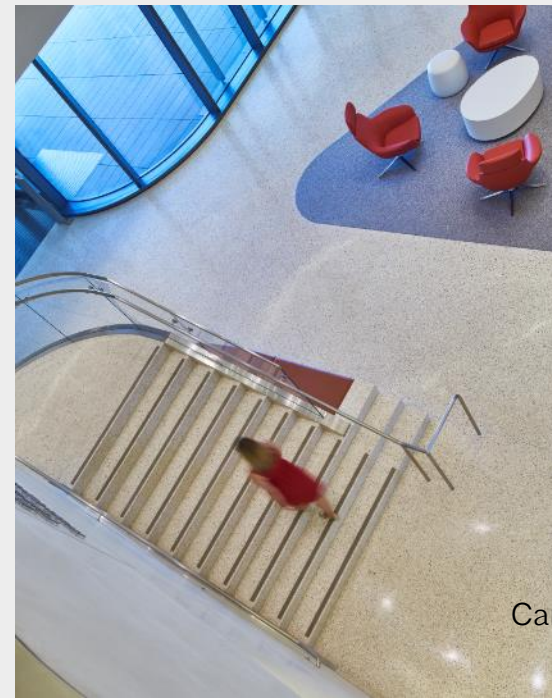
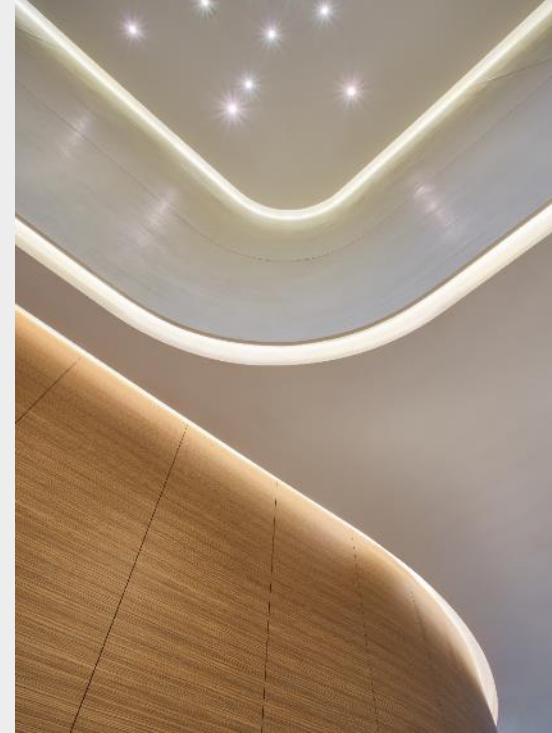


UCSD Jacobs Medical Center

CannonDesign



UCSD Jacobs Medical Center

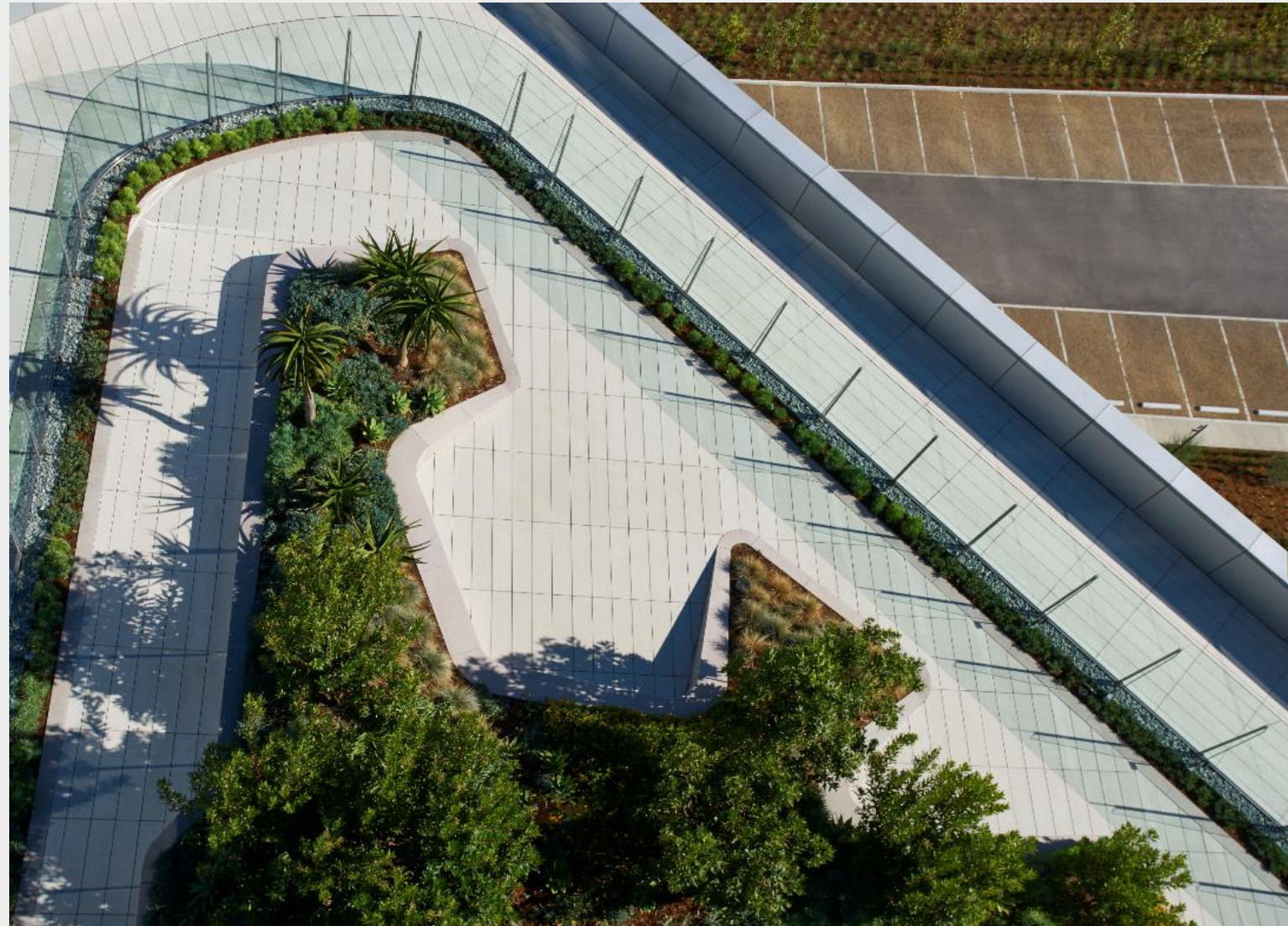


CannonDesign





UCSD Jacobs Medical Center



CannonDesign



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The Mercy Virtual Care Center

FORUM

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INNOVATION:

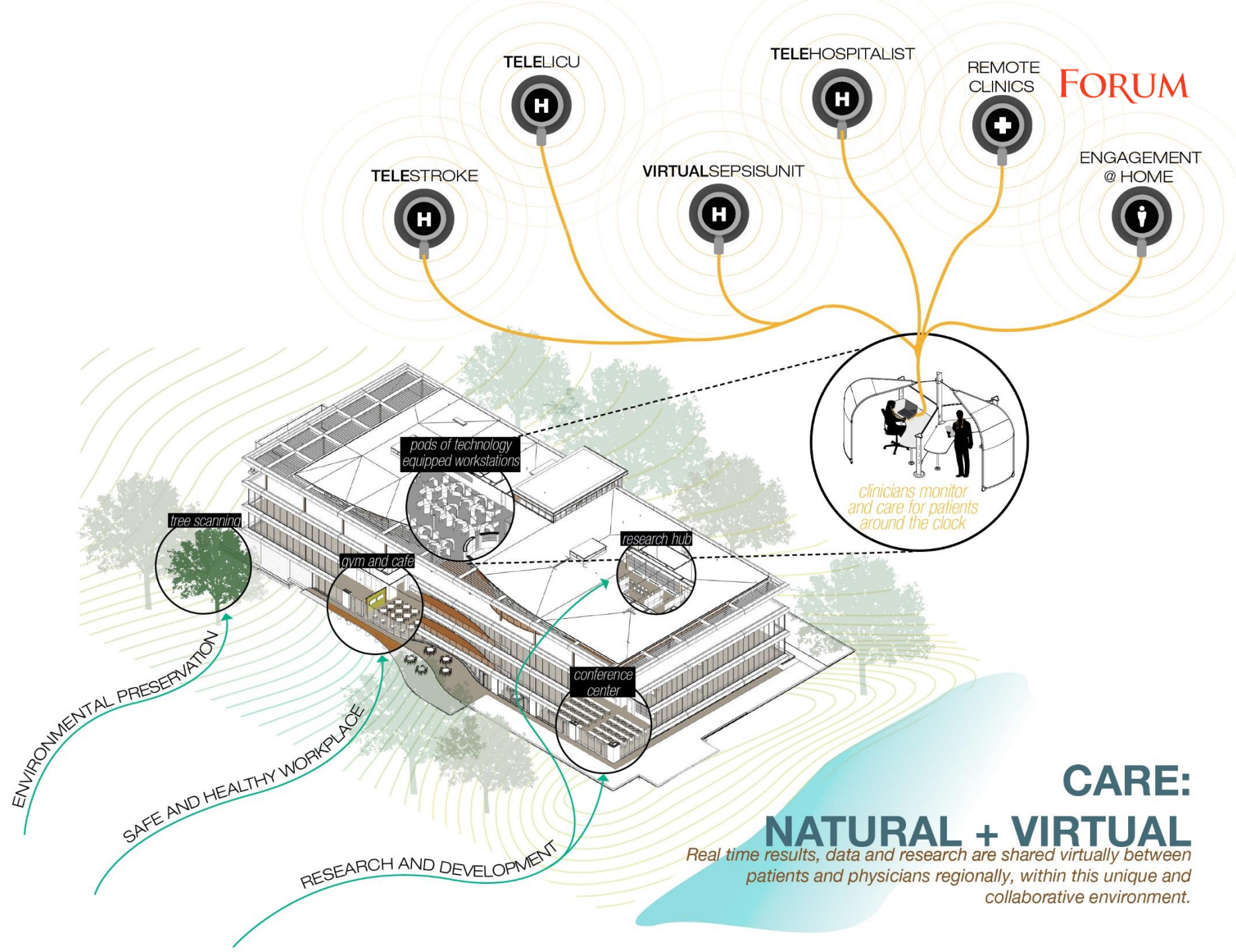
ROOTED + REVOLUTIONIZED

This first of its kind virtual care center is revolutionizing the way care providers and patients interact and how healthcare is provided world wide from a place based in nature.



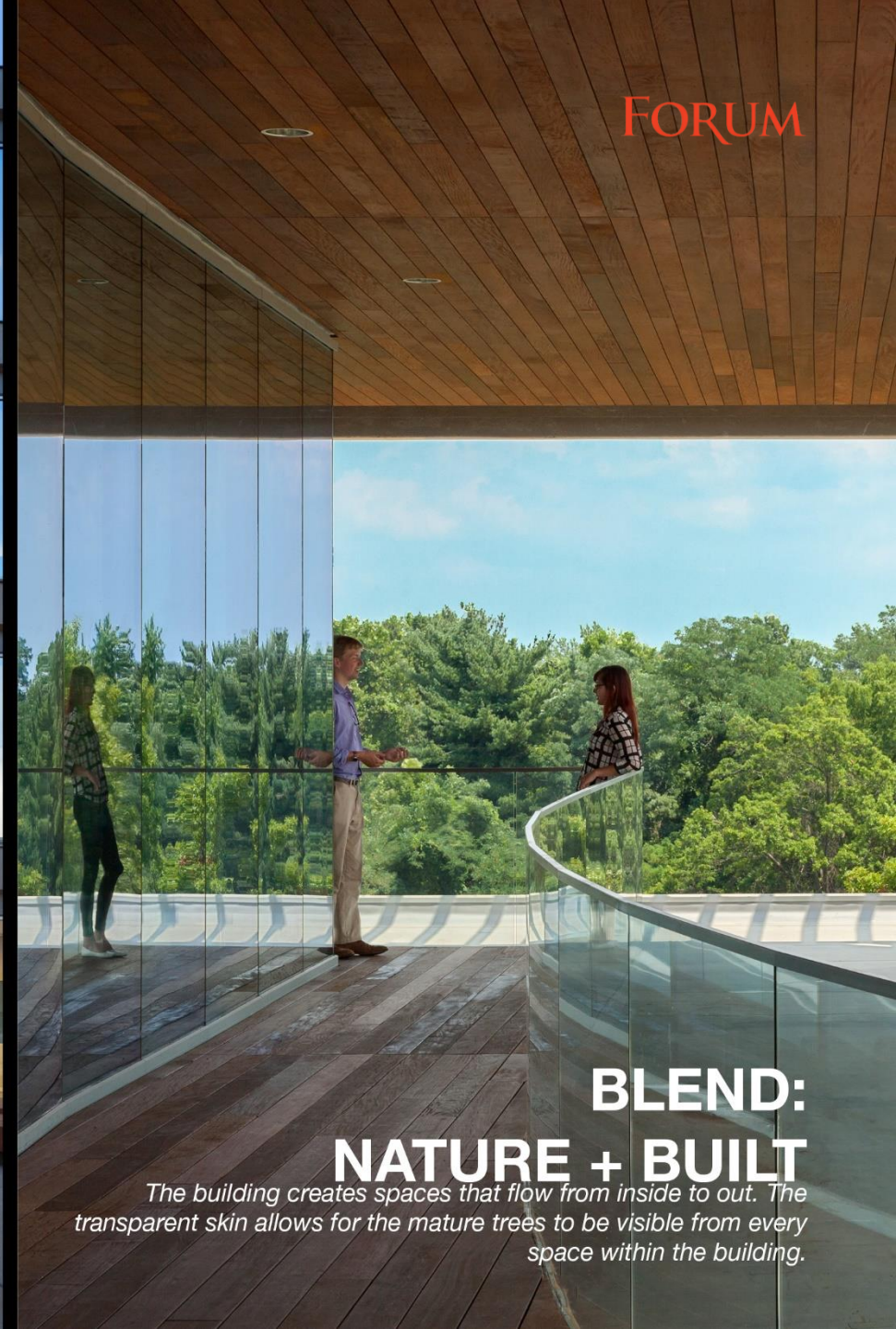
Mercy Virtual

FORUM





Mercy Virtual



FORUM

BLEND: NATURE + BUILT

The building creates spaces that flow from inside to out. The transparent skin allows for the mature trees to be visible from every space within the building.



EMBODY: MISSION AND VALUE

The architectural features of the building symbolize the strong mission and values of the healthcare practice and organization within.

FORUM



TEXTURED BASE

BRAND:
Grounded in its context

PERFORMANCE:
Engaging Nature

MATERIAL:
Local Stone and Ironspot Brick

HORIZONTAL TRAYS

BRAND:
Strength of the Platform of Care

PERFORMANCE:
Solar Shading

MATERIAL:
Sculptural Precast Concrete Panels

UNDULATING GLAZING

BRAND:
Transparency of Care

PERFORMANCE:
Solar Control, Visual Connectivity
and Terrace access

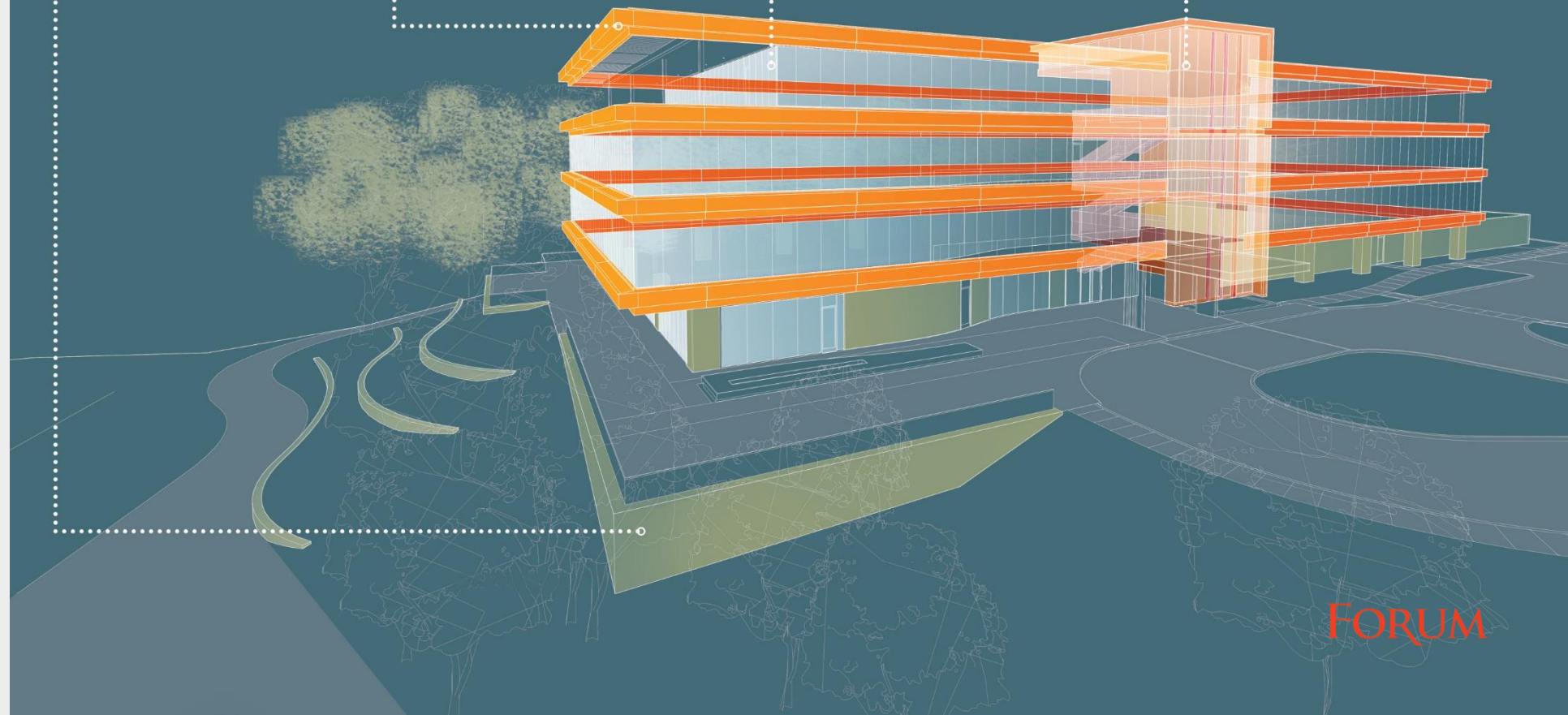
MATERIAL:
Structurally Glazed High
Performance Glass

VERTICAL LANTERN

BRAND:
Legacy of "Sharing Light with Others"

PERFORMANCE:
Celebrating Brand, Entrance and
Vertical Circulation

MATERIAL:
High Performance Glass, Steel, Wood,
Copper



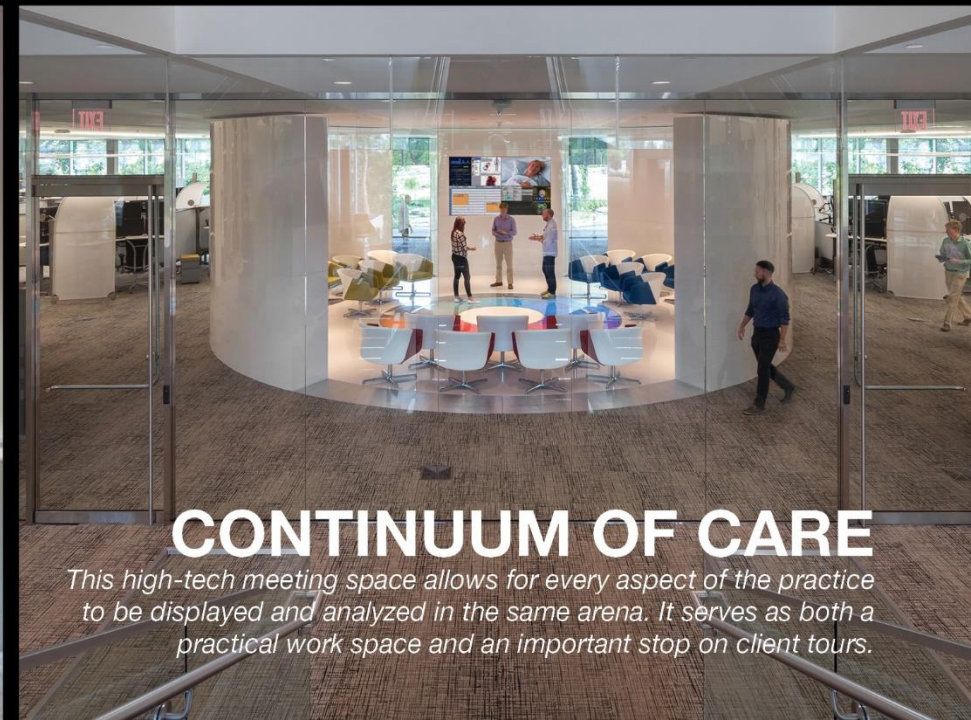
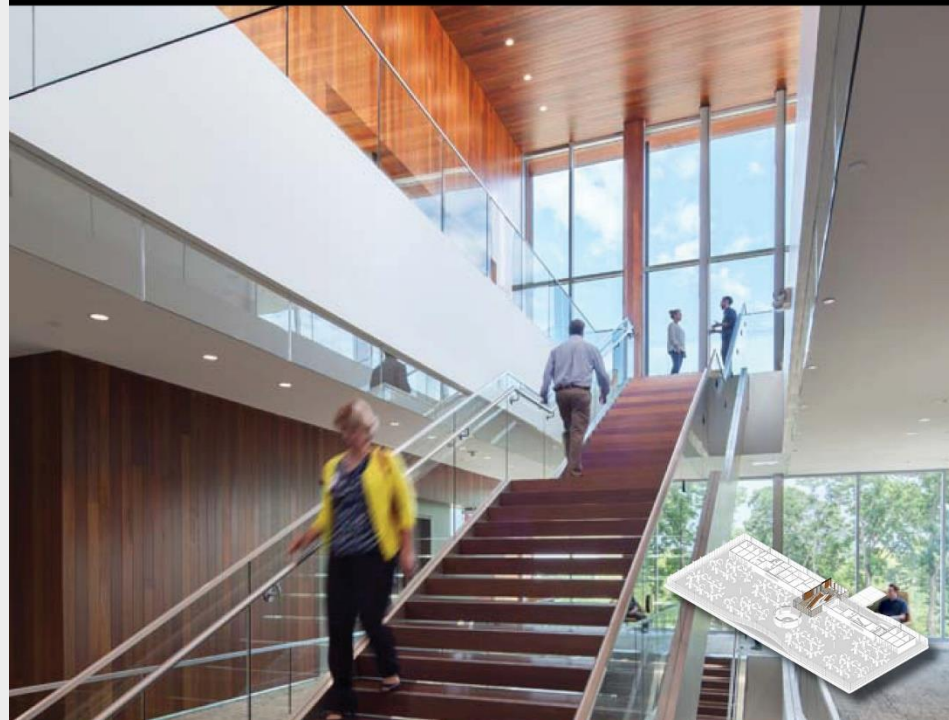


FORUM

Mercy Virtual

CONNECT: INTERIOR + EXTERIOR

Terraces at every level make it easy for the building's occupants to access nature, positively impacting their spirit, emotions, creativity and productivity.



CONTINUUM OF CARE

This high-tech meeting space allows for every aspect of the practice to be displayed and analyzed in the same arena. It serves as both a practical work space and an important stop on client tours.



FORUM



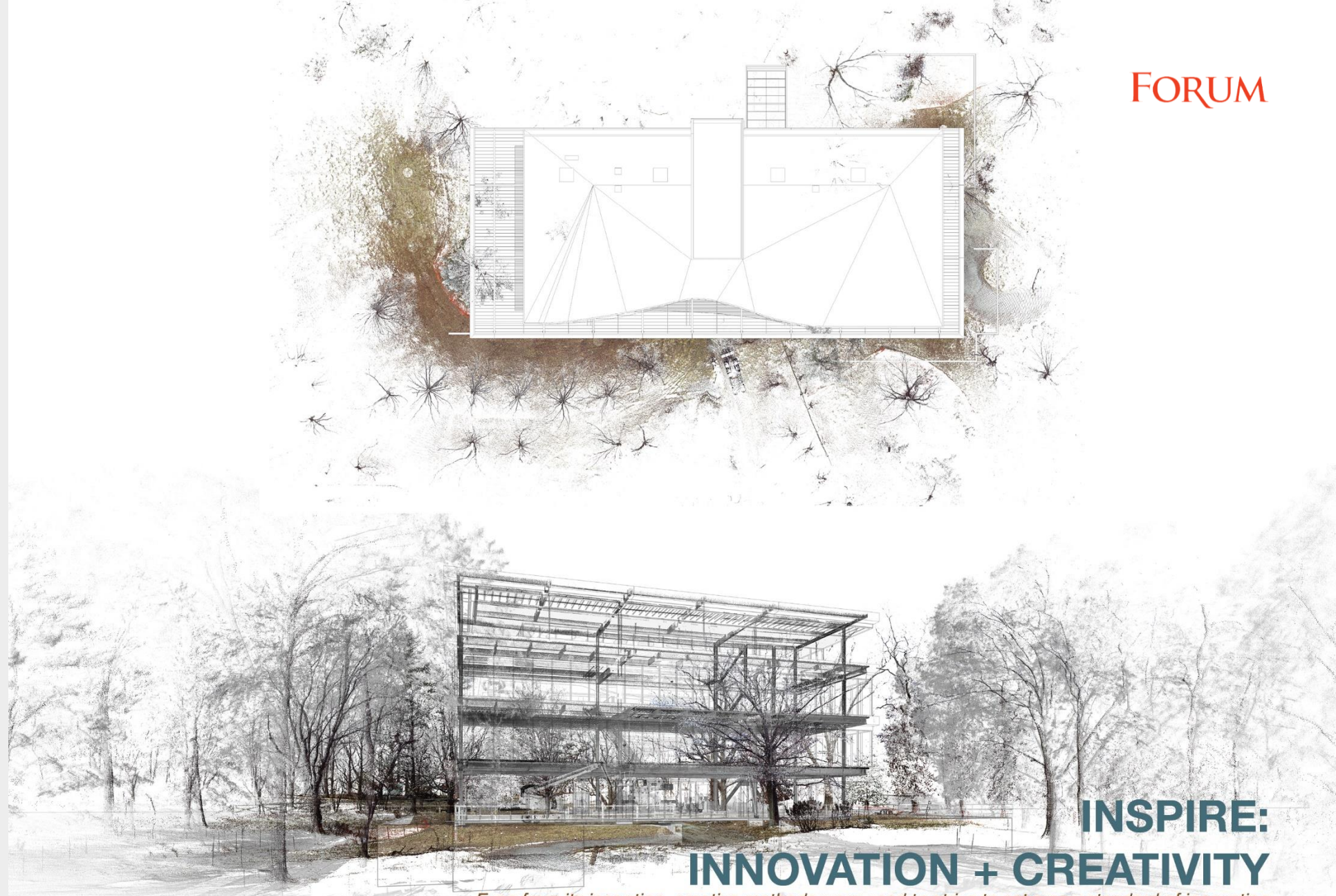
INTEGRATE: AUTHENTICITY + FLEXIBILITY

As the first of its kind, the spaces within the virtual care center are designed to morph and grow with the future of the practice and organization, establishing a new standard for an innovative workplace.

Mercy Virtual



FORUM



INSPIRE: INNOVATION + CREATIVITY

*Even from its inception, creative methods were used to strive to set a new standard of innovation
in the building's design and site preservation, including 3D scans of the existing trees.*



Mercy Virtual

FORUM



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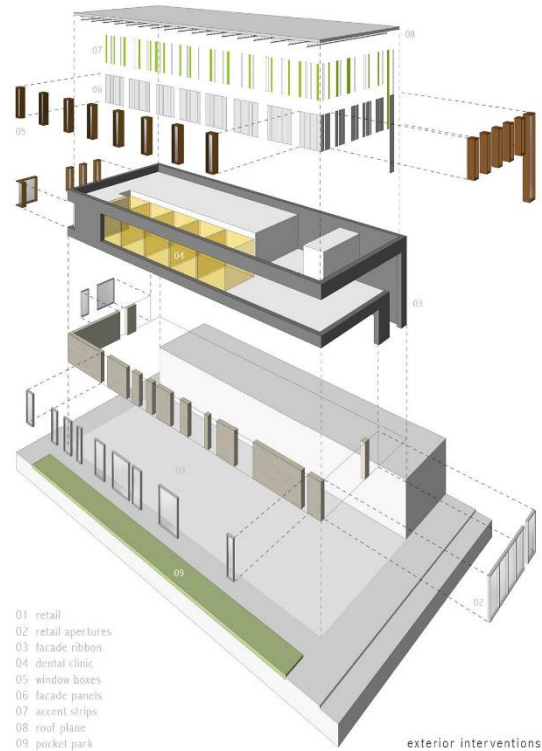
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Bayshore Dental

JOHNSEN SCHMALING ARCHITECTS

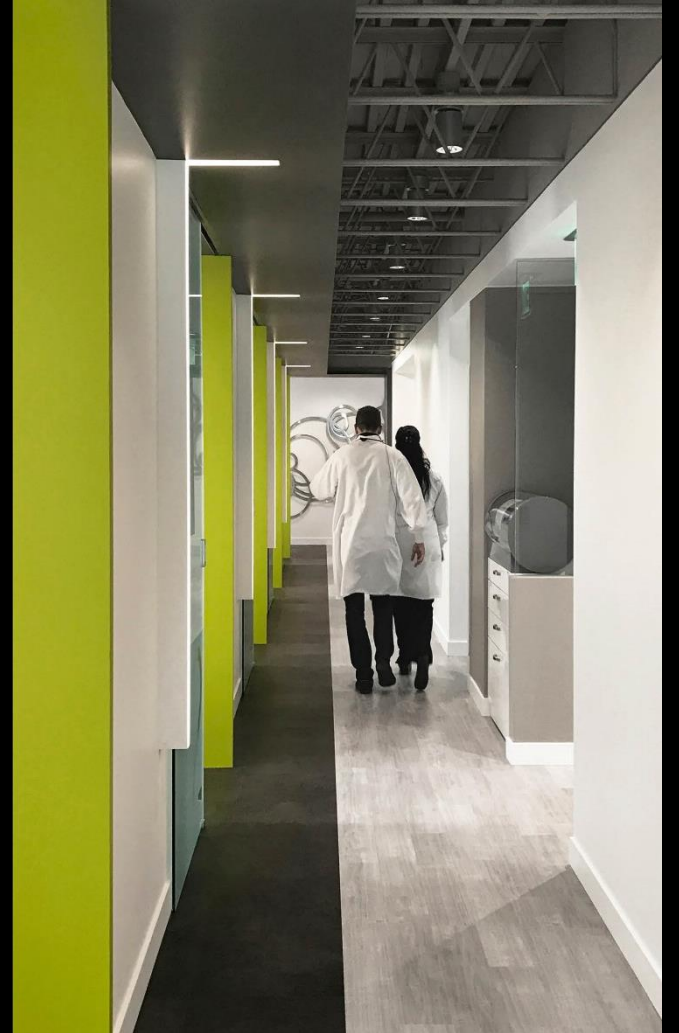
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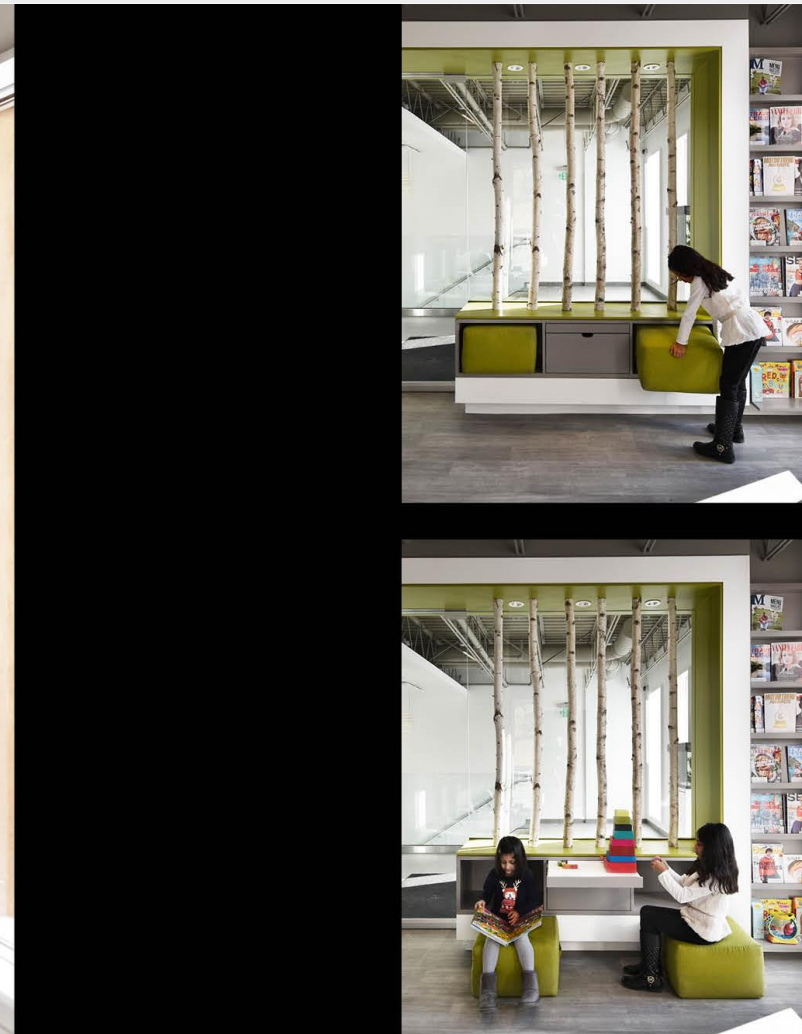




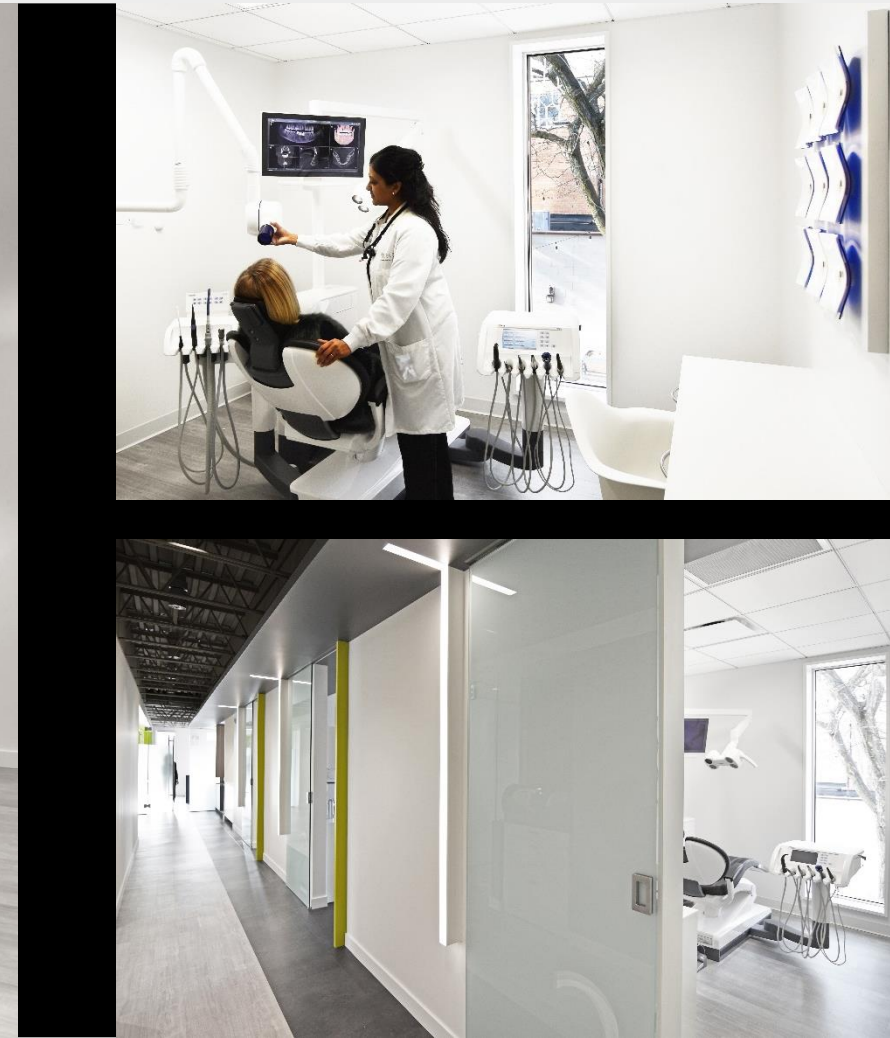




Bayshore Dental



Johnsen Schmalig Architects







Bayshore Dental



Johnsen Schmaling Architects



Advocate Lutheran General Hospital Cardiac Catheterization Suite

Philips Design and Anderson Mikos Architects

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What are patients currently experiencing?



Orientation & Wayfinding

Currently, patients and families traverse a fragmented path, registering at the main lobby of the hospital tower and then guided to a basement location in another building, the physical environment is visually inconsistent along the journey. Anxiety builds when patients or families have a difficult time locating the dept.



Waiting

The waiting room is a cramped, uncomfortable space that is too small for multiple families to wait; lack of windows, wireless internet access or positive distraction results in many families leaving the dept. altogether while they wait for their loved one.



Department Impression

Patients have high expectations for this prestigious teaching hospital, however the impression upon entering is of a dated and cluttered environment. This is an underwhelming sense of arrival that forms a negative "first" impression of the department.



Prep/Recovery Bays

Non-private recovery bays have only a curtain to separate patients from each other, creating privacy and acoustic concerns. The bays are undersized for families who may feel in the way. A lack of positive distraction or lighting settings makes these rooms inflexible for different patient types.



Procedure Room

An overwhelming and intimidating room may cause additional anxiety for patients as they enter into a very technical space; the clutter can be perceived as unprofessional or unclear, and patients distracted by this may find it difficult to pay attention to the staff's explanations.

What are staff currently experiencing?



Location

The department's location in the basement next to Environmental Services is a major dissatisfier for physicians and staff. The odors and fly problems are a health concern, and lack of any daylight whatsoever can negatively affect staff mood, health and performance.



Layout

The current cath labs are dispersed, creating a disjointed and inefficient workflow. Equipment is isolated in various locations, and staff have to keep track of what is where, traveling long distances. The 'red zone' is not consistent and staff must pass an Environmental Services corridor between two rooms.



Control Room

Current control rooms suffer from extremely compromised viewpoints of the patient and screens within the procedure room, due to equipment layout, window mullions, and suboptimal lighting. Staff satisfaction also suffers by poor ergonomic features and lack of choice between sitting/standing.



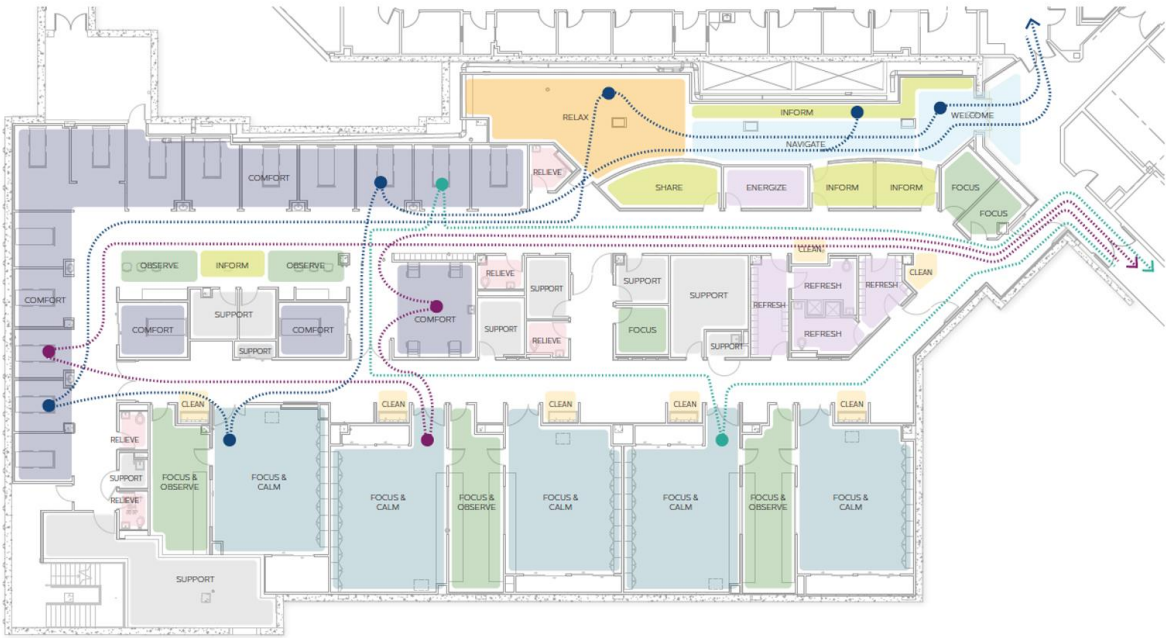
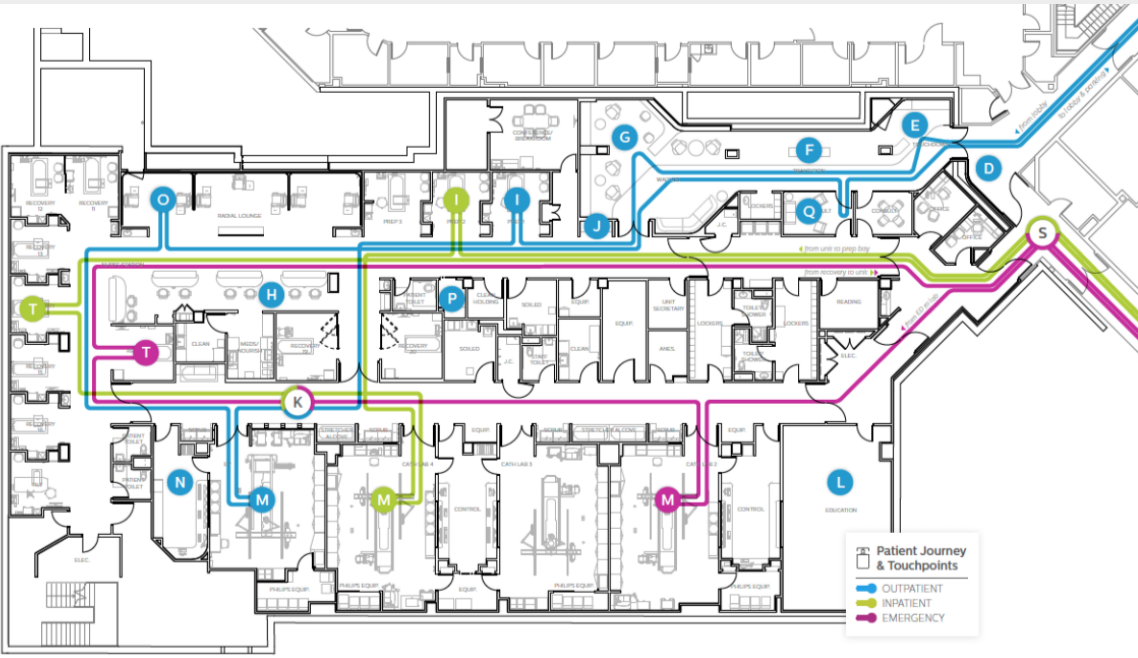
Supply & Equip. Storage

The procedure rooms contain modular, movable storage units, but these are rarely if ever moved and contribute to visual clutter. Further, they are not optimally stored for the supplies they are storing. Staff often need to leave the treatment room during critical procedures to locate supplies or equipment.



Awards & Recognition

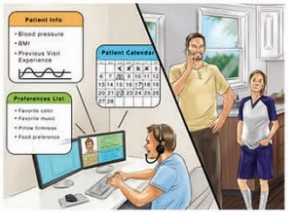
As a teaching hospital, Lutheran General is on the leading edge of cardiac research technology, and were named as one of the Truven's 50 Top Cardiovascular Hospitals in 2013. A few awards are on display in the current facility, but these could be positioned more prominently and updated frequently to celebrate staff achievement.





Referral, Pre-Education and Registration

A



- Inclusive planning
- The right amount of information
- Understanding what to expect

To prepare for Joy's appointment, a nurse schedules the appointment, provides an information package about what to expect, and explains the procedure. She helps Bill download the Heart Institute app to his phone, which provides reminders, make parking easier, and tracks Joy's information. The day before, Bill receives a reminder call.

Reminders, Parking, & Navigation

B



- Easy parking & valet services
- Clear wayfinding
- Feeling Important
- Short travel distances

Bill receives a reminder notification from the Heart Institute app the day of Joy's appointment. Bill and Joy live 10 minutes from the hospital, and they leave the house early. As they arrive, clear signage directs them to the valet. Bill valets his car through his phone app and escorts Joy to the main lobby.

Entrance for Outpatient Client

C



- Wall feature visible to patients & visitors
- Sense of arrival
- Reassuring and welcoming

Following the hallway, Bill and Joy see a warm light at the end of the corridor. As they arrive at the entrance, the light that was drawing them is the Heart Institute logo glowing through the wall. Joy runs her fingers along the patterned Corian as they slowly walk through the doors.

Patient Education & Follow-Up

R



- Inclusive planning & feeling in control
- Extensive education
- Understanding what to expect
- Notifications, reminders, and updates

Bill and Joy use the discharge packet, the phone app, and the Heart Institute's online resources in the days following the procedure. Soon after, Bill receives a follow-up call from the Heart Institute checking in to see how Joy is doing and ensuring the whole family understands how they can monitor Joy's progress.

Patient & Family Consultation

Q



- Privacy
- Clear communication, feeling a part of the process
- An adaptive environment

After Joy is deemed ready to go home, Alice brings Bill and Joy to a consultation room where they meet with Joy's doctor. They take a seat on the couch and discuss the post-care plan. Bill comments, "The procedure was much easier than I thought it would be - and I felt kept in the loop the whole time."

Radial Lounge Recovery

P



- Safety
- Calm and relaxing
- Reduced intimidation

After the procedure, Alice leads Bill and Joy to the Radial Lounge. After Joy is settled, she spends several hours in a recliner watching TV shows on her digital tablet. She wears an inflatable wristband and is monitored with wireless telemetry, so she has the freedom to walk around, eat and text her friends while in the lounge.

Service Strategy

Envisioning and scripting the ideal future experience while highlighting key service and environmental touchpoints.

- Patient Education
- Wayfinding
- Patient Tracking
- Patient Prep & Recovery
- Procedure
- Consultation
- After-care








BEFORE



The new prep/recovery bays offer personalized tunable feature panels and colored lighting in an environment designed to enhance safety while decreasing stress and anxiety





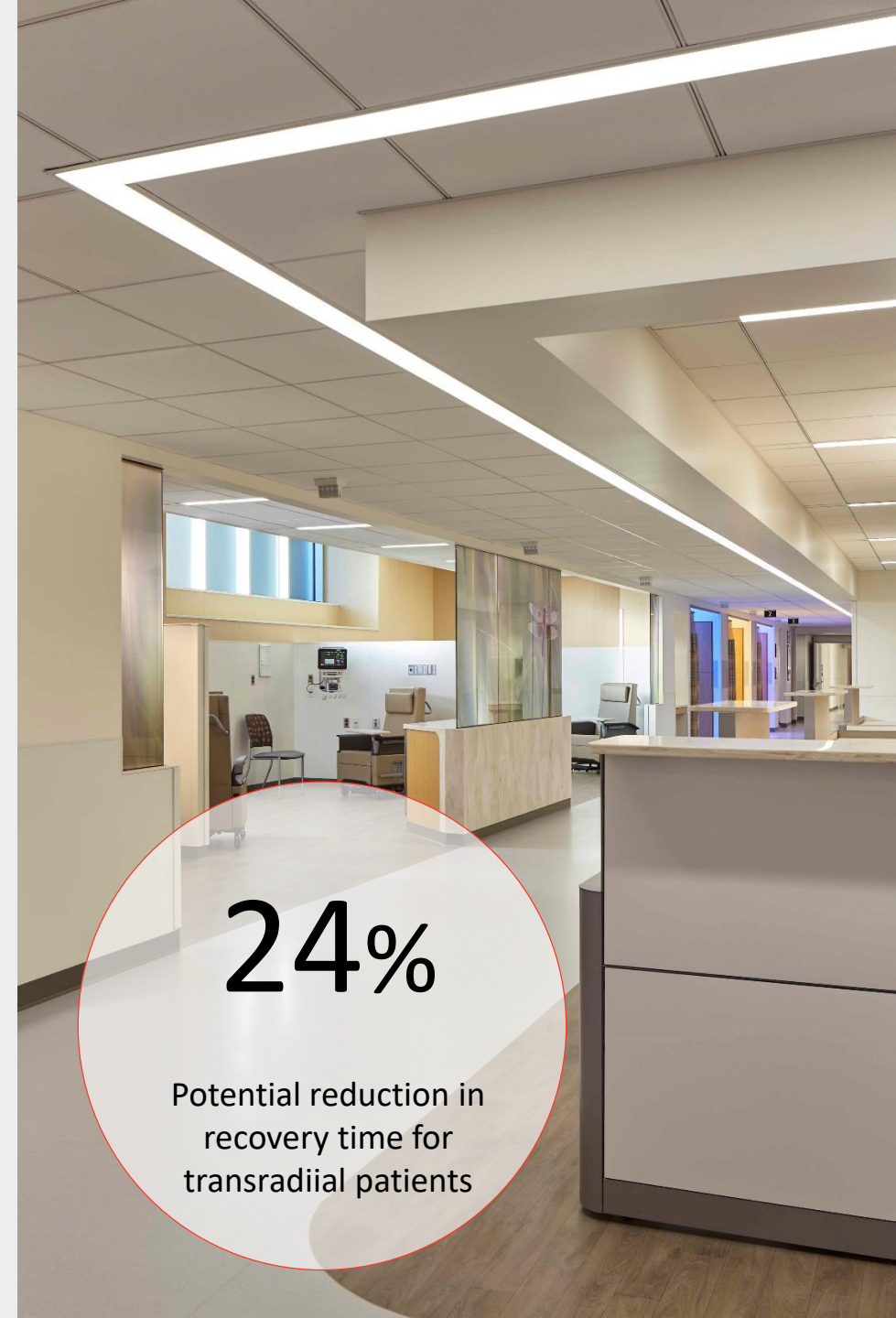


45%

documented radiation dose
reduction

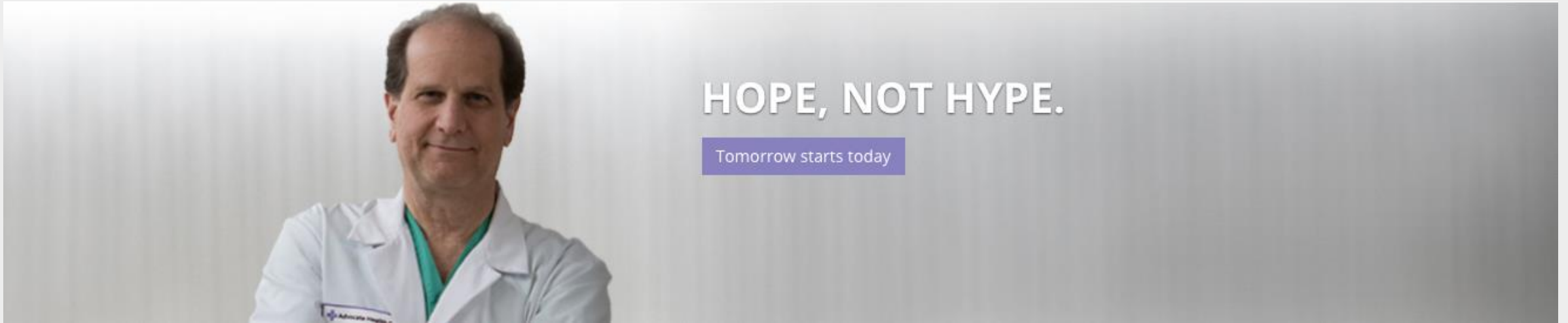


BEFORE



24%

Potential reduction in
recovery time for
transradial patients



PHILIPS

**Anderson
Mikos Architects Ltd.**





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Ambulatory Surgical Facility Kyabirwa, Uganda

Kliment Halsband Architects

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Global Surgery: Enormous Needs

5 billion people without
safe, affordable surgery -
let's create a
reproducible concept.





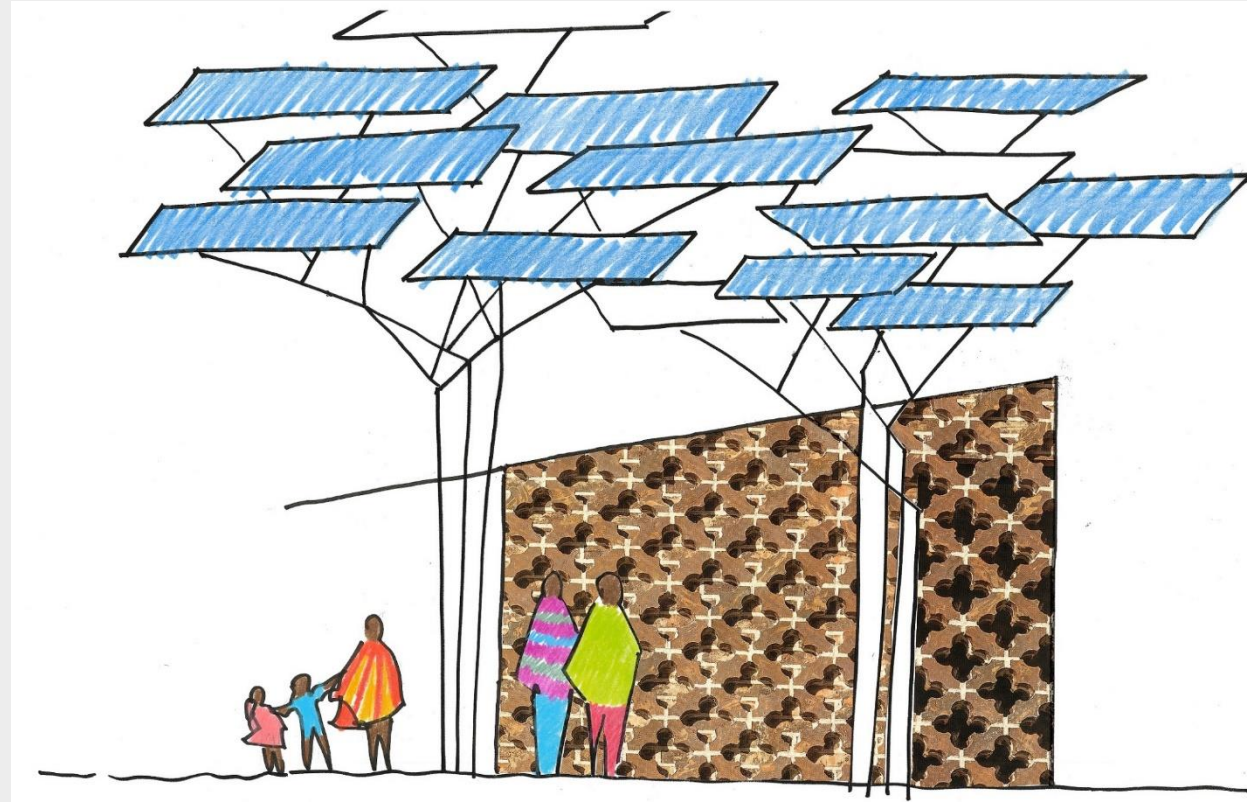
SITE PLAN

Ambulatory Surgical Facility

Kliment Halsband
Architects

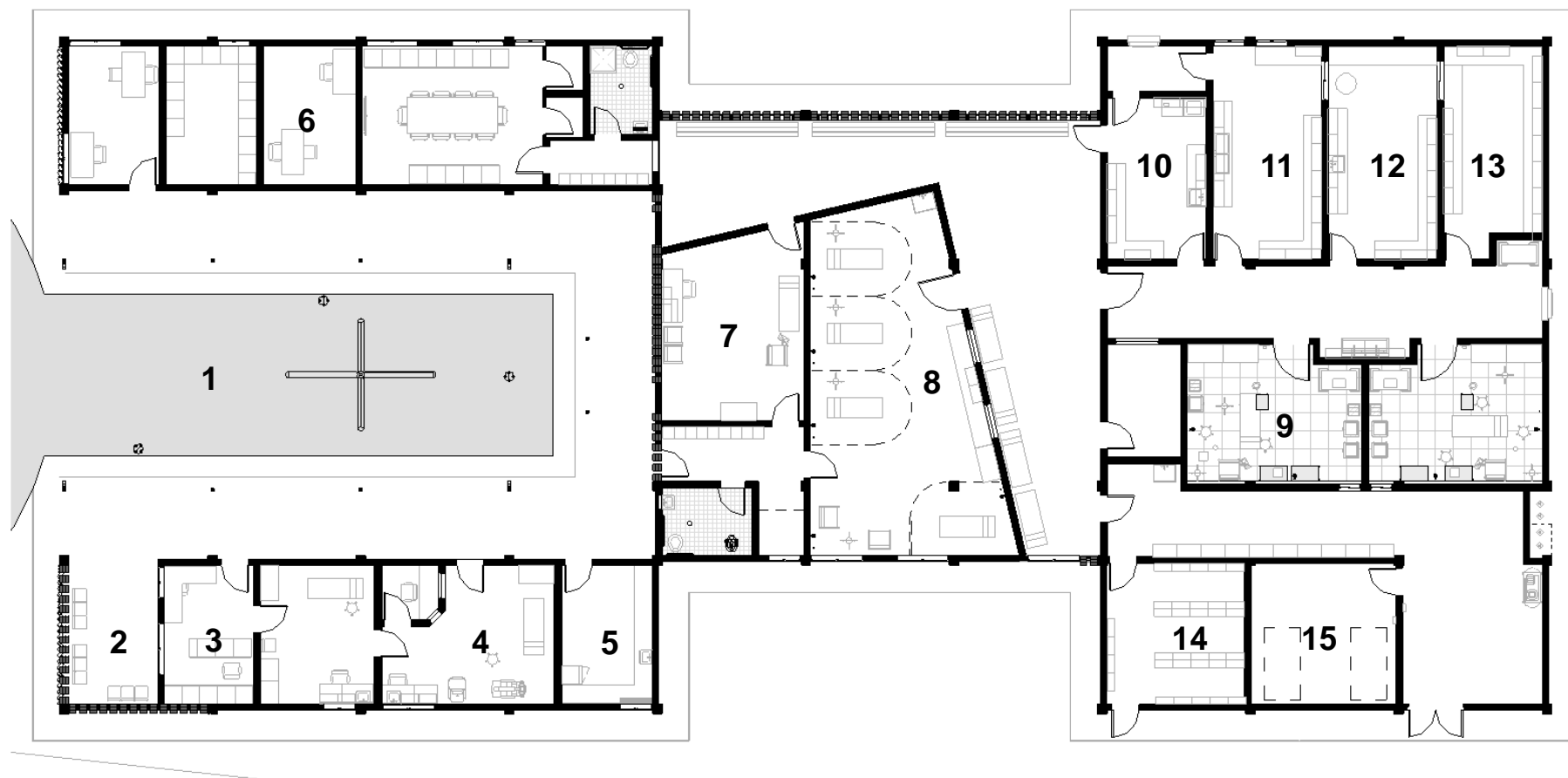


Ambulatory Surgical Facility

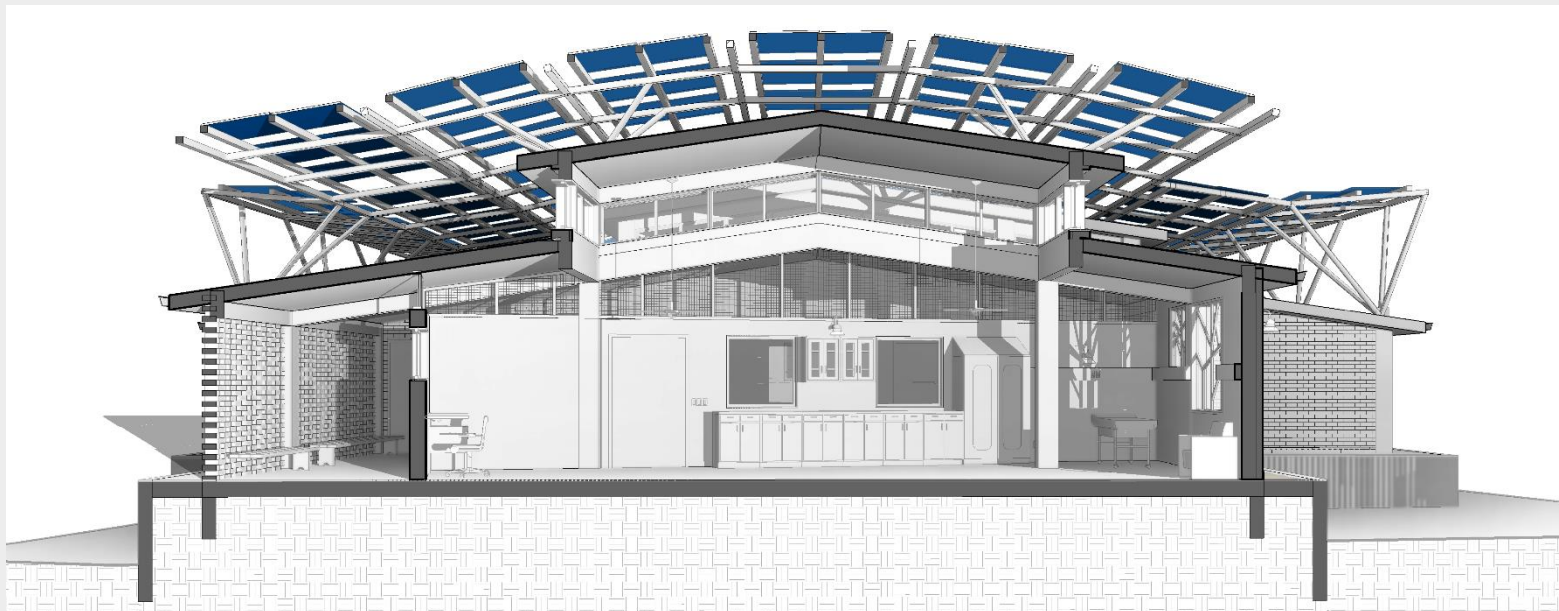


Kliment Halsband
Architects

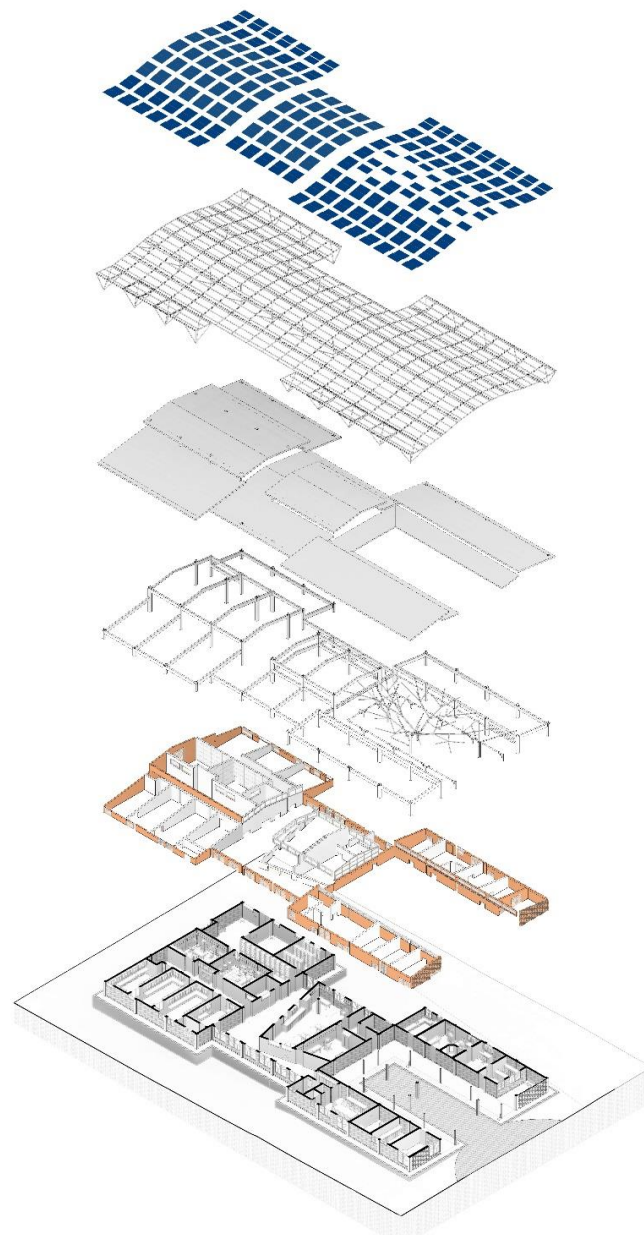


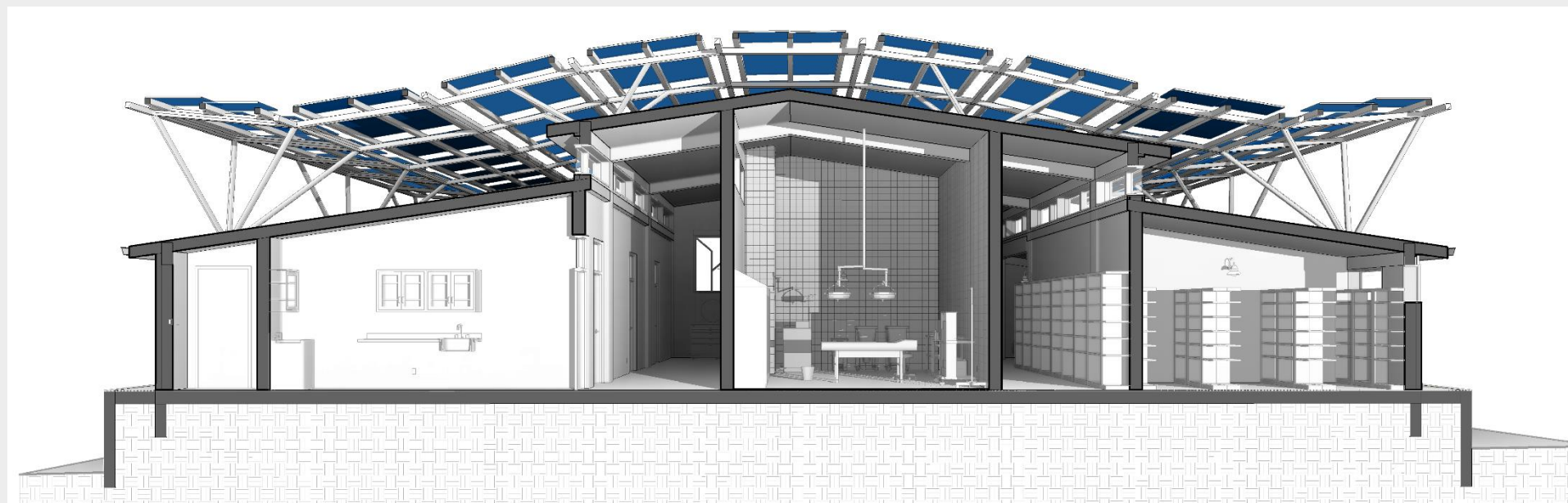


- 1 Courtyard
- 2 Waiting
- 3 Registration
- 4 X-Ray / Exam Room
- 5 Lab
- 6 Office
- 7 Pre-Op
- 8 Recovery Room
- 9 Operating Room
- 10 Wash/Linen
- 12 Surgical Clean Room
- 13 Sterile Supply
- 14 Medical Supplies
- 15 Electrical / Battery Room



SECTION – THROUGH RECOVERY





SECTION – THROUGH OPERATING ROOM





Q and A

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