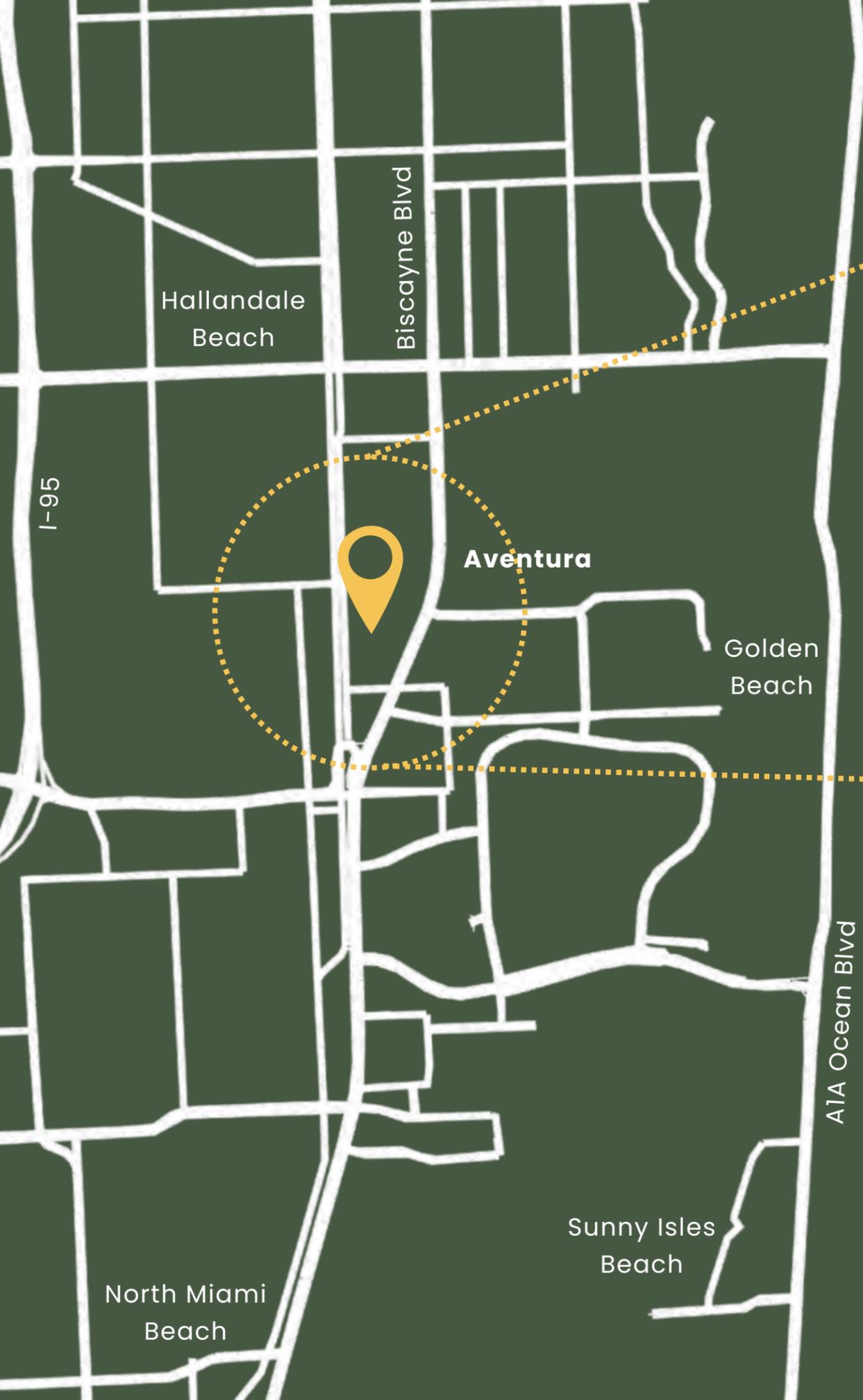


# HCA Florida Aventura Hospital

## Emergency Department Expansion





## SITE ANALYSIS

HCA Florida Aventura Hospital  
20900 Biscayne Blvd, Aventura, FL, 33180

Aventura Hospital, at 20900 Biscayne Boulevard, sits on a busy stretch of road with heavy traffic during peak hours, often causing delays entering or exiting. Parking is provided through two main garages (North and West), both open 24/7, with valet service available on weekdays. However, the garages can fill quickly, pushing some visitors to valet or more distant spaces. Noise from traffic, sirens, paging, and corridor activity is also reported near entrances and in patient rooms, especially when doors are open or at night.



# SPATIAL DIAGRAMS

Contract Area: 20,720 Sq. Ft.

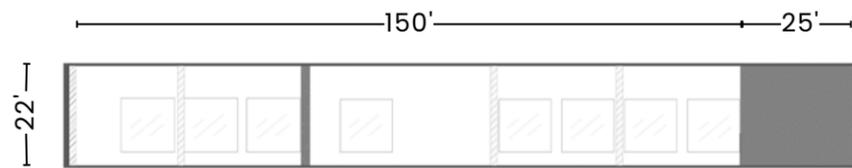
One Marked Entrance with Covered Drop-Off Passageway

Additional Emergency Egress Exits to be Placed as Required

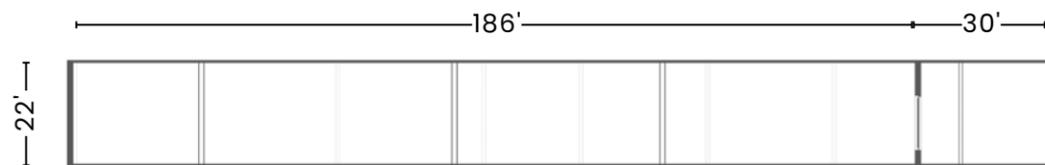
➡ Access to Existing ED to Remain

22' 3" Overall Height

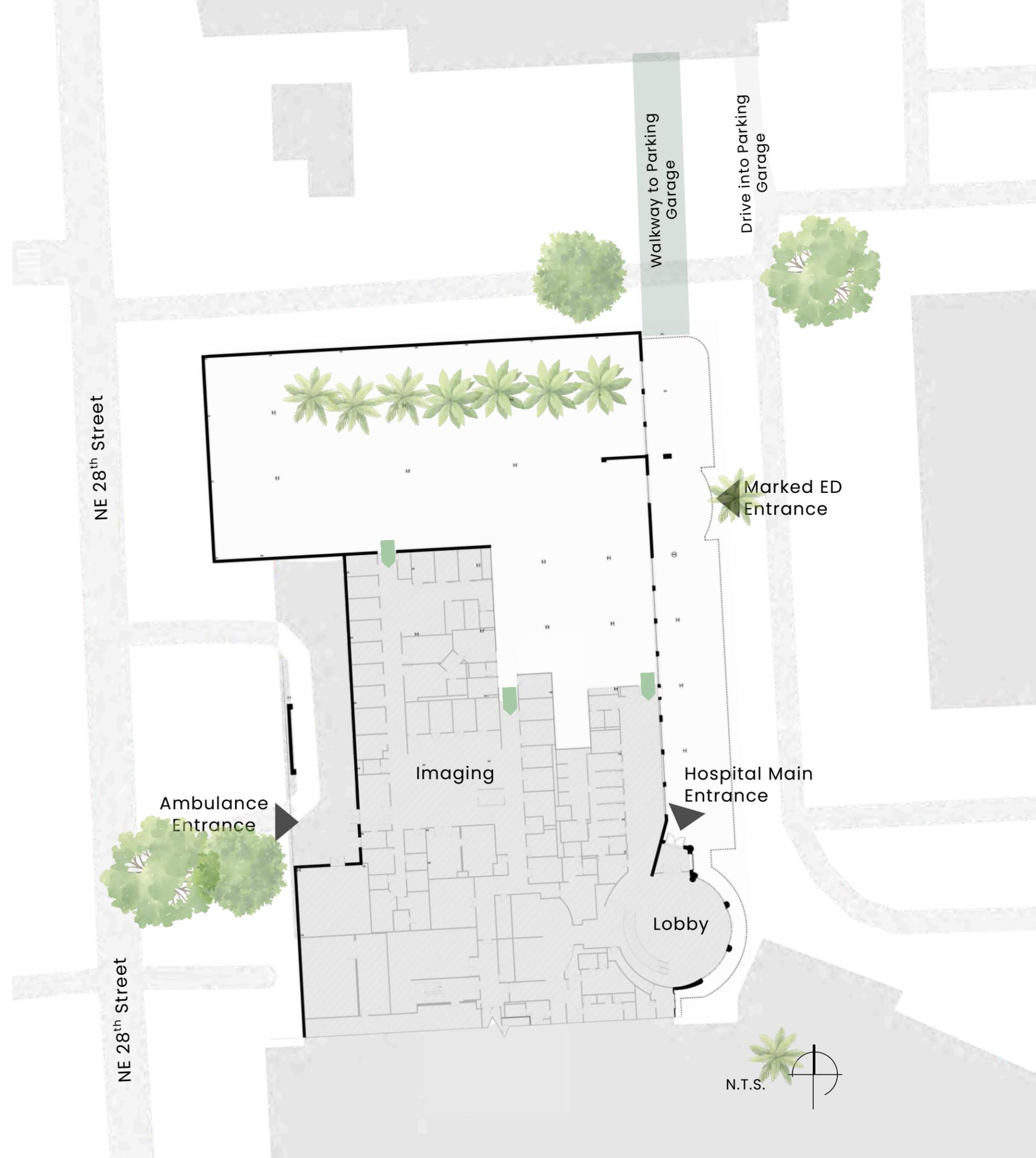
Primary pedestrian access from covered drop-off and parking garage is on the East face. This is also where the majority of windows are located. Additionally, we must keep access between the ED waiting room and the hospital main registration lobby. These factors suggest that the ED waiting area should be located at the Easternmost part of the space. There are also two hallways connecting the existing ED, Imaging area, Ambulance entrance, and hospital elevators which are useful to connect patient and staff areas to vital medical functions and administrative services.



Longitudinal Section



Latitudinal Section



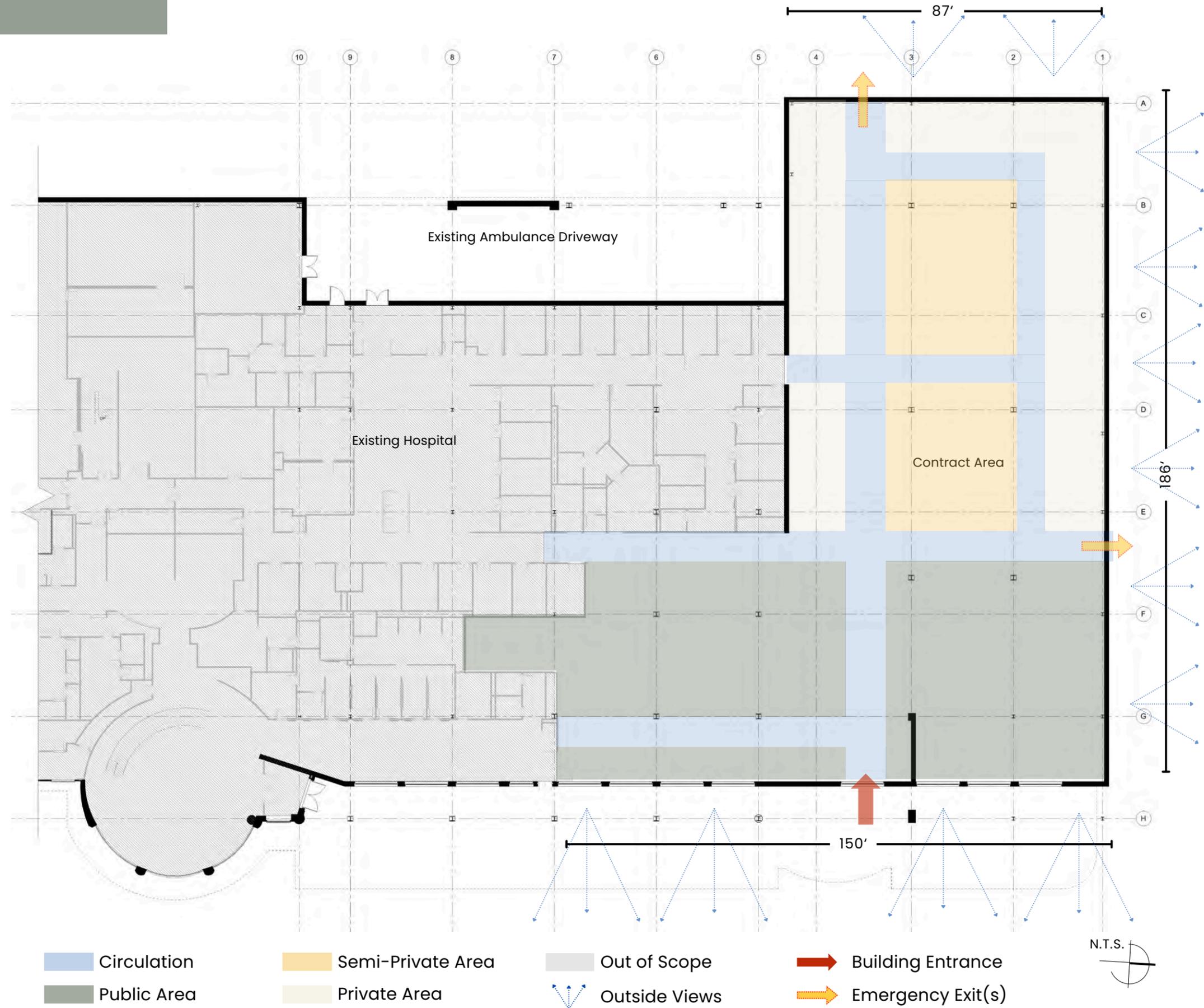
# SPATIAL DIAGRAMS

This roughly "L" shaped expansion of the existing hospital Emergency Department is approximately 20,720 Square Feet. On the East face is a pedestrian entrance marked "Emergency" with a covered drop off area and multiple large windows. The building has a clear structural grid of exterior bearing walls and evenly spaced steel "H" columns, as well as a sheer wall near the entrance door.

A clear and linear circulation path separates the public spaces like the waiting areas from the private areas like the exam rooms and the nurse stations.



View of exterior pedestrian entrance



# MATERIALITY BOARD

## Guidelines

### Healing Environment

- Calm, stress-reducing materials and colors
- Biophilic elements to connect users with nature

### Wayfinding & Clarity

- Simple, direct circulation
- Highlight key routes with uplifting accents
- Consistent signage and cues

### Patient & Family Comfort

- Welcoming, supportive waiting areas
- Private yet accessible exam spaces
- Soft lighting and acoustical control

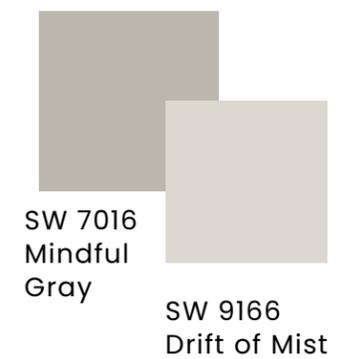
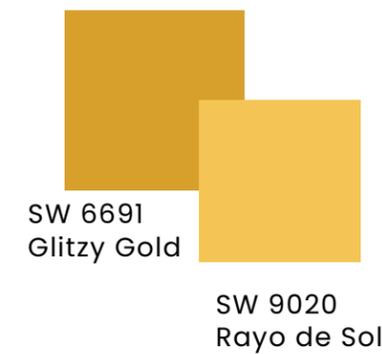
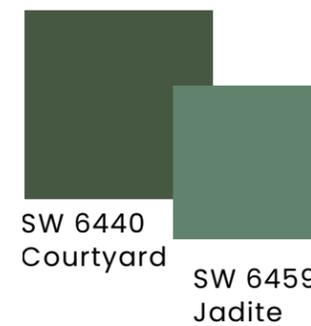
### Staff Support & Efficiency

- Efficient workstation placement
- Restorative staff areas
- Flexible layouts for changing needs

### Stability & Trust

- Durable materials that signal safety
- Cohesive visual language throughout

To provide a calming, comfortable, and grounded space through the use of natural materials in warm green and neutral tones. We anticipate that this will help users feel comfort and connection to the space while projecting the strength and stability that patients desire from a hospital system



# MATERIAL BOARD + PRINCIPLE



## AVOID IN PATIENT CARE ZONES:

- Live Plants: Not permitted—mold and bacteria risk
- Fake Plants: Collect dust and microbes
- Alternative: Nature-inspired art, graphics, and biophilic patterns for a safe natural feel

## HEALTHCARE-GRADE MATERIALS:

- Flooring: Heat-welded vinyl/rubber, coved
- Walls: PVC-free, impact-resistant, antimicrobial
- Counters: Seamless solid surface/quartz
- Cabinetry: Laminated or powder-coated metal
- Ceilings: Washable antimicrobial tiles
- Avoid: Wood/veneer, fabric walls, carpet, drywall, grouted tile

## CHEMICAL-RESISTANT SURFACES

- Withstand hospital-grade cleaners without discoloring or degrading
- Resist moisture, swelling, and delamination
- Endure frequent cleaning without finish damage or VOC release

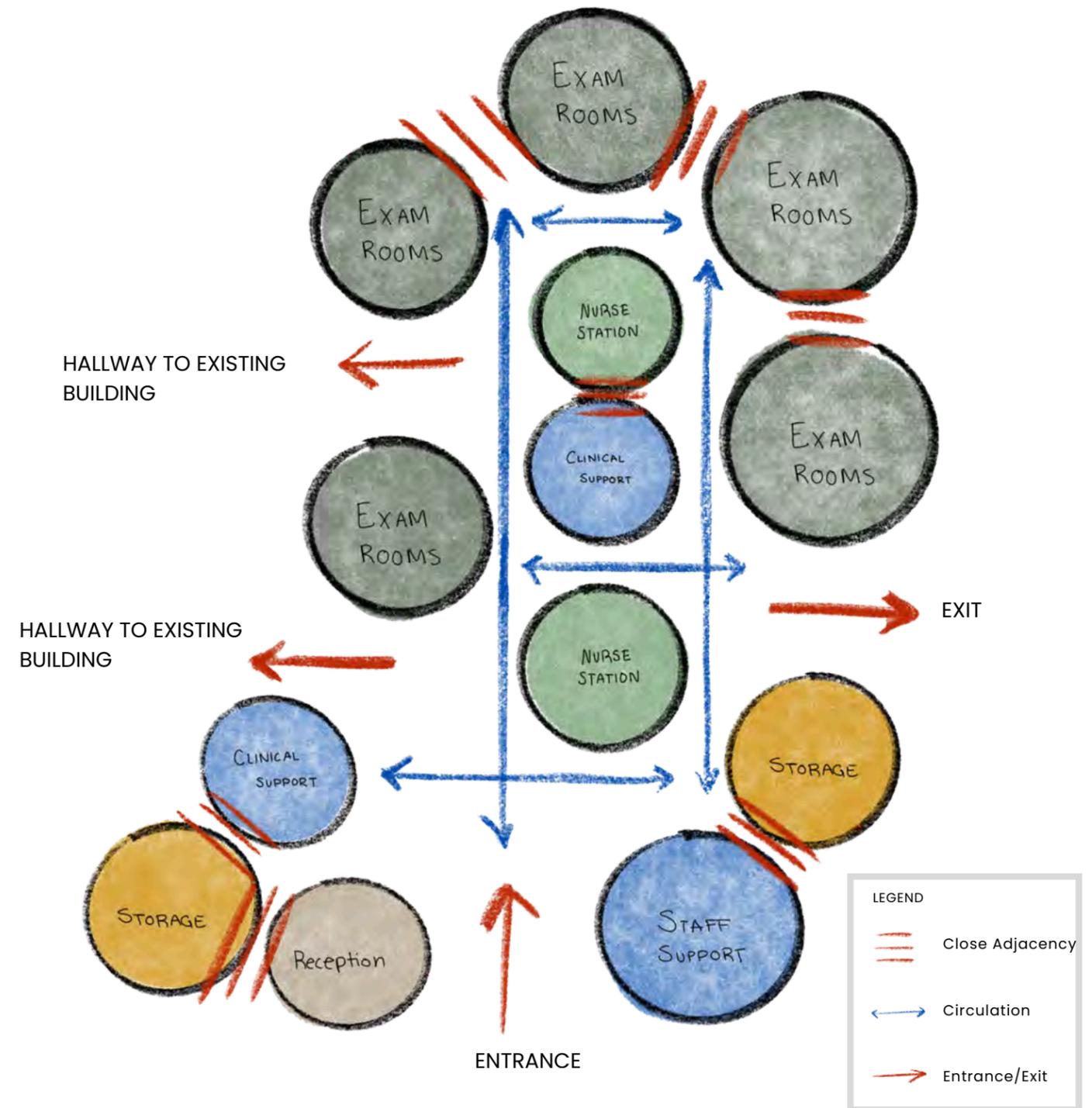
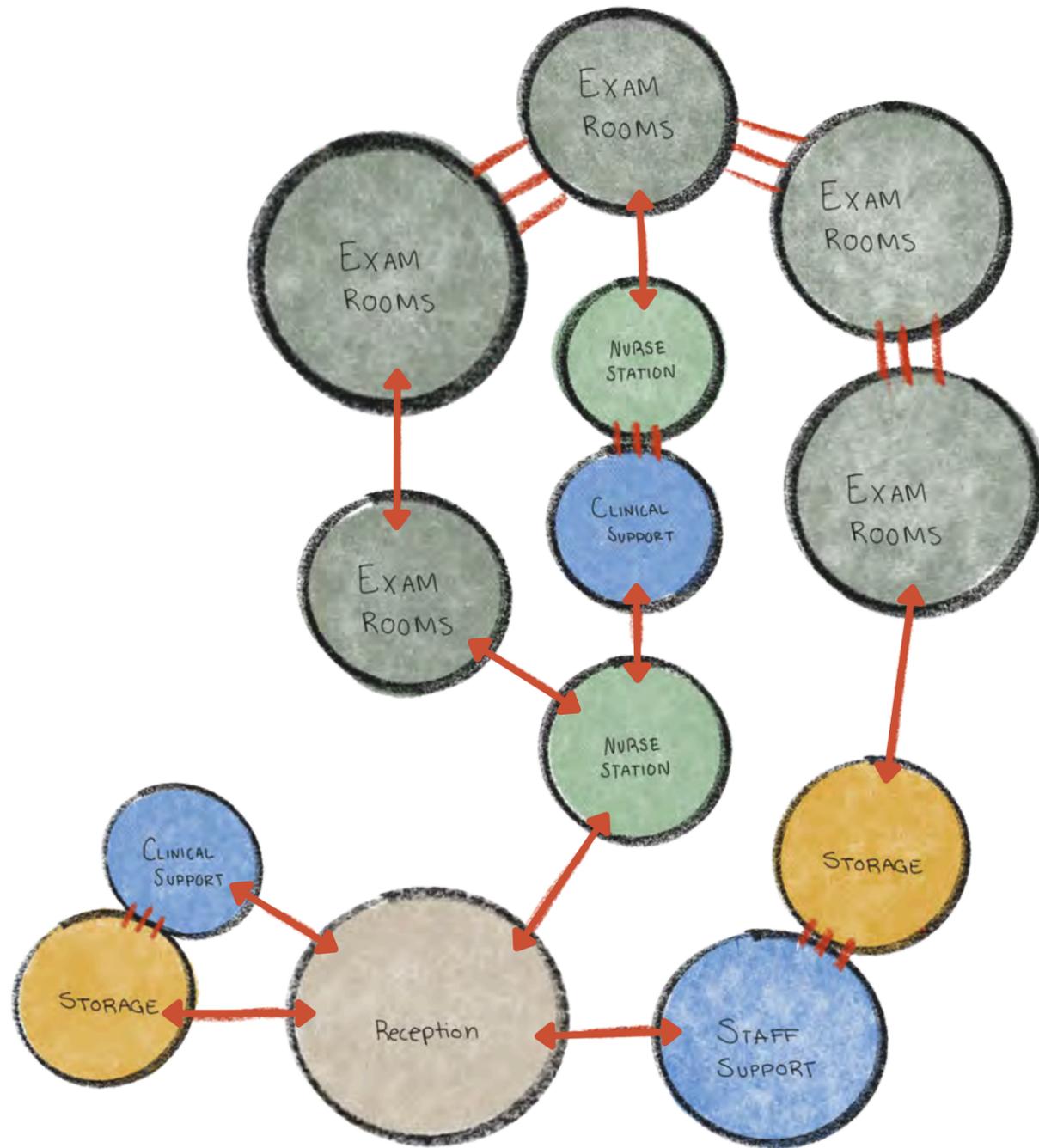
## FURNITURE & FIXTURES

- Seating: Wipeable vinyl/polyurethane, sealed seams
- Workstations: Powder-coated metal or solid surface, rounded edges
- Storage: Non-porous, wall-mounted, self-closing
- Lighting: Recessed, sealed fixtures to limit dust and microbes

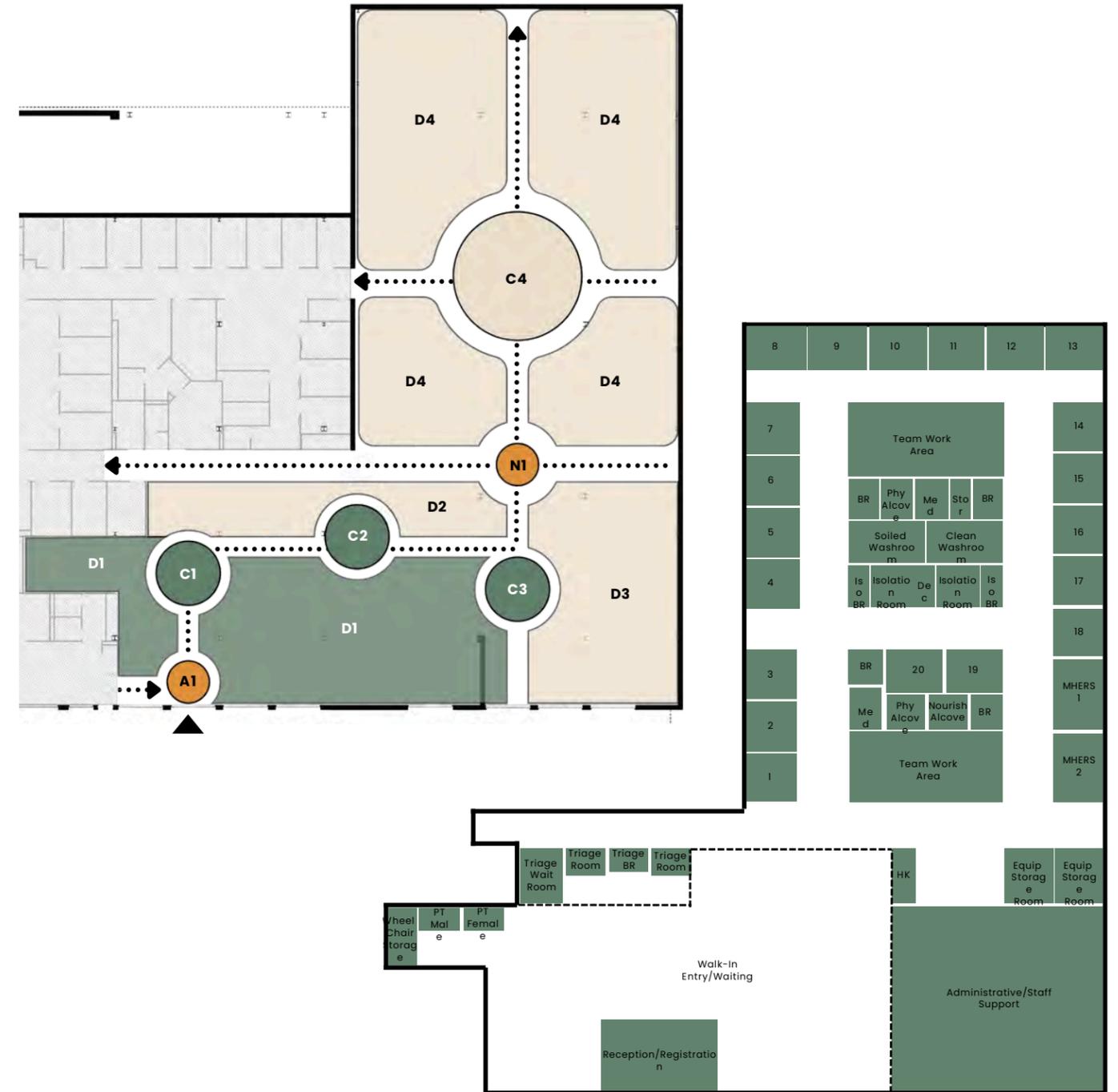
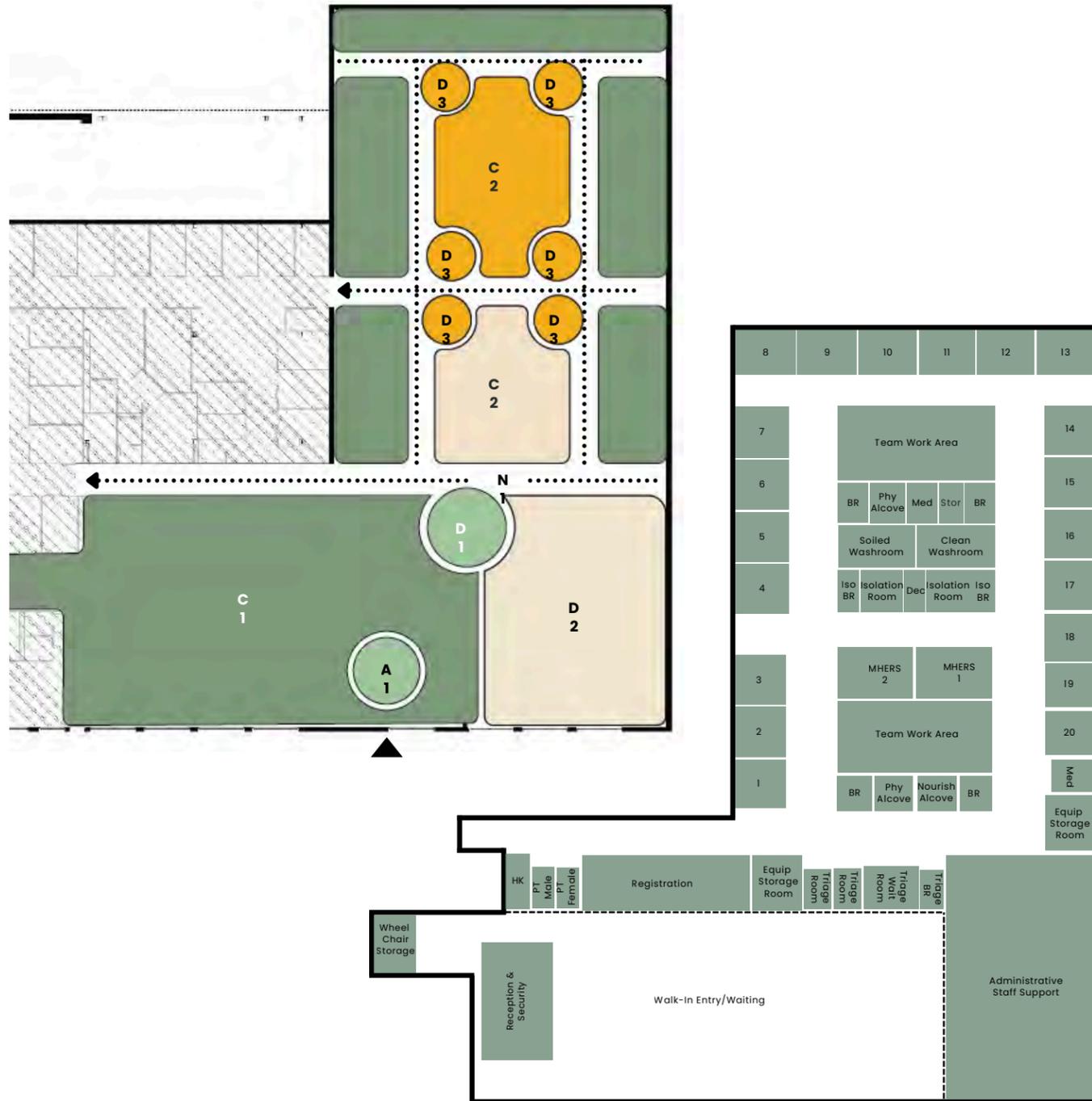
## FIXTURES, FITTING, & HARDWARE

- Hands-free faucets and hardware to reduce touchpoints
- Antimicrobial finishes on high-touch areas
- Avoid fixtures with seams or dirt-collecting joints
- Use flush, integrated baseboards for easier cleaning

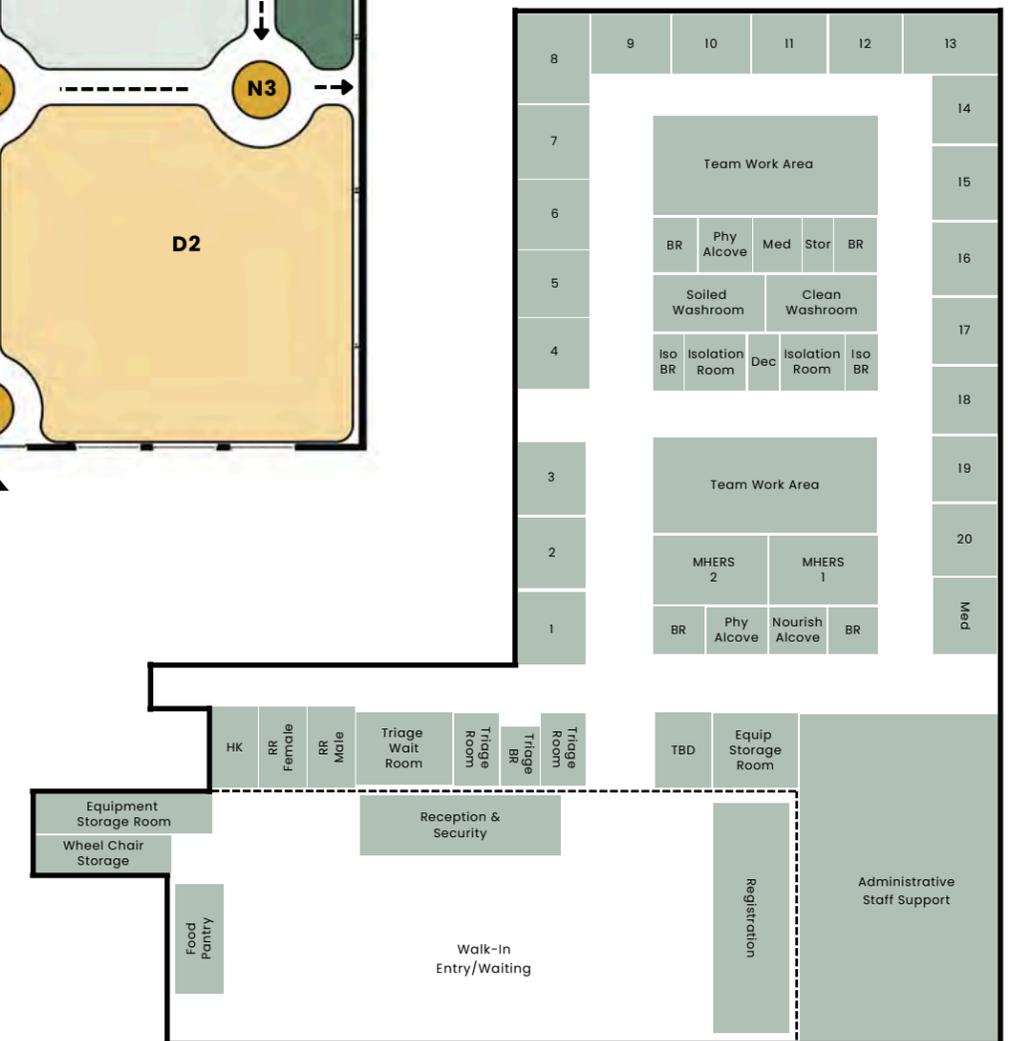
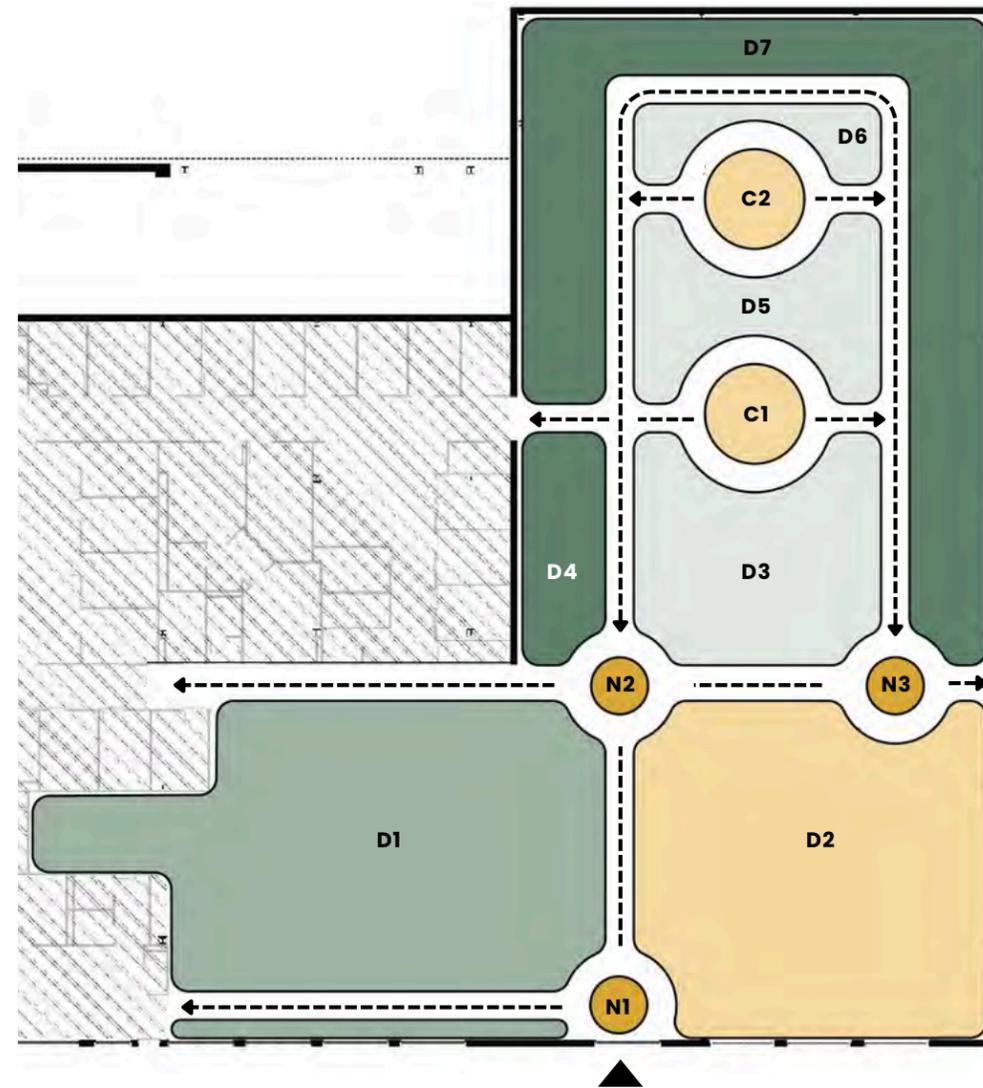
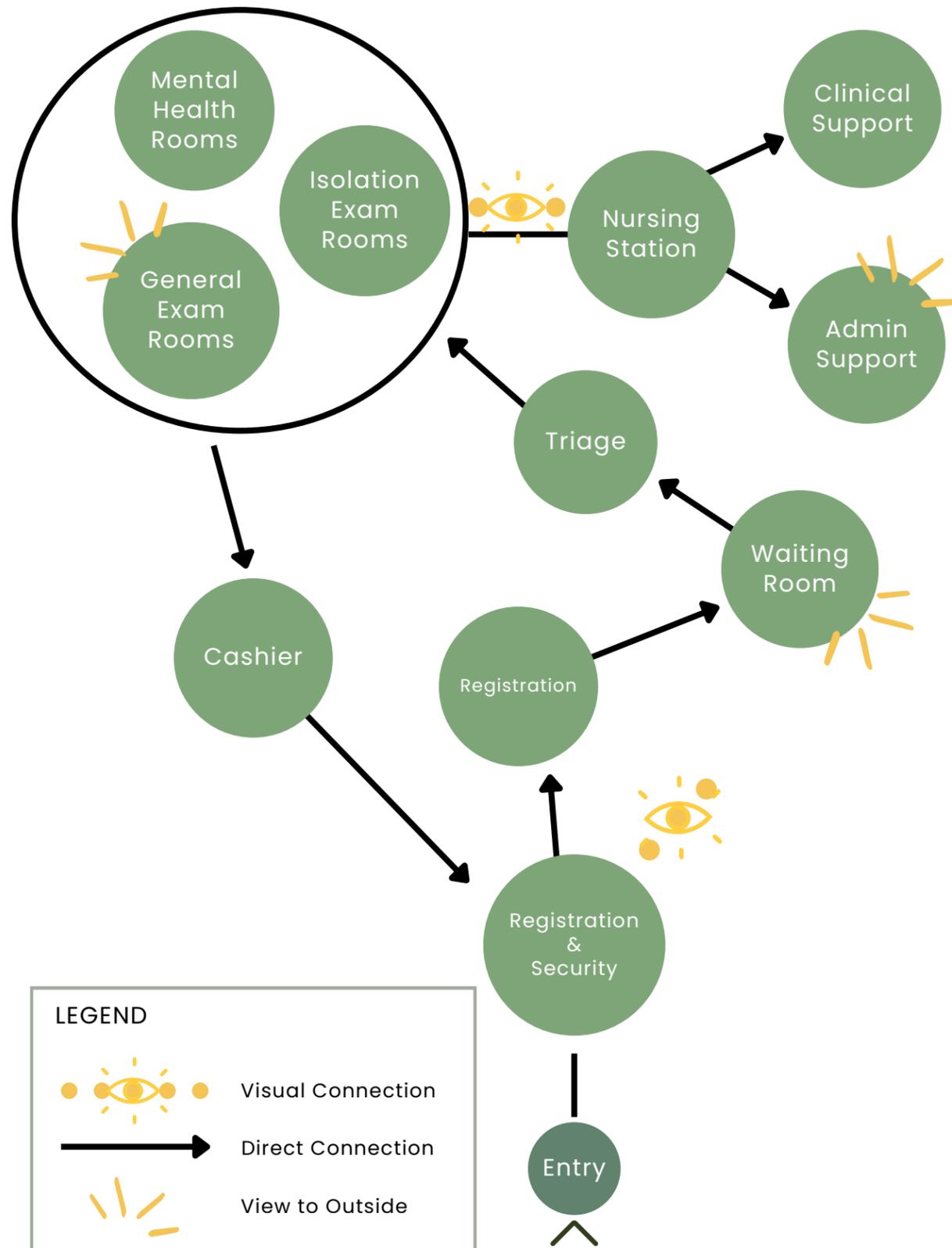
# PRELIMINARY DIAGRAMS



# PRELIMINARY DIAGRAMS



# FINAL DIAGRAMS



# FLOOR PLAN

- 1 Entry Vestibule
- 2 Reception + Security
- 3 Wheelchair Storage Room
- 4 Waiting Room
- 5 Children's Play Area
- 6 Registration
- 7 Family Consult Room
- 8 Vending Area
- 9 Telecom + Electrical Rooms
- 10 Restrooms
- 11 Triage Exam Rooms
- 12 Triage Waiting Room
- 13 Isolation Exam Rooms
- 14 Mental Health Exam Rooms
- 15 Exam Rooms
- 16 Nurses Station
- 17 Soiled Room
- 18 Clean Storage Room
- 19 Equipment Storage
- 20 Nourishment Alcove
- 21 Communications Room
- 22 Stretcher Storage Room
- 23 Housekeeping Room
- 24 Staff Break Room
- 25 Staff Locker Room
- 26 Staff Sleep Pods



- A Armstrong Sheet Vinyl Jade
- B Armstrong Sheet Vinyl Tan
- C Terrazzco Epoxy 165 Terrazzo
- D Armstrong Vinyl Plank
- E Daltile Marble Attach Porcelian
- F MMG Terra Checkerboard

N.T.S.



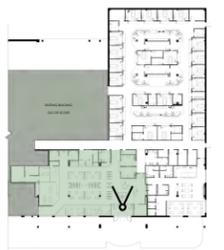
# LIGHTING SCHEDULE

Area	Area Sq Ft	Lighting Symbol	Fixture Name	Illuminance Type	Qualitative Goal	Illuminance Goal	Illuminance Achieved	Spacing Criteria	Lamp	CT or CCT	CRI	Watts Per Fixture	Number of Fixtures	Total Watts
Vestibule	205	⊙	EVO® 6" Round Healthcare	Ambient	Visual Clarity	30	32	108	LED	3500	90	473	4	1,892
Reception/Security	335	▬	MARKCOVE 504 Cove Luminaire	Ambient	Visual Clarity	30	31	N/A	LED	3500	90	1,472	12	17,664
Registration	300	▩	WHSPR LCTR Troffer	Task	Visual Clarity	30	30	122	LED	3500	90	333	4	1,332
Main Waiting	1750	⊙	EVO® 6" Round Healthcare	Ambient	Pleasant	20	20	108	LED	3500	90	473	16	7,568
Main Waiting		◦	Velia Chandelier	Accent	Pleasant	N/A		91	LED	3500	90	48	23	1,104
Main Waiting		⊙	Cooper Shaper Pendant	Accent	Pleasant	20	29	143	LED	3500	90	105	3	315
Wheelchair Storage	120	▩	WHSPR LCTR Troffer	Ambient	Visual Clarity	30	30	122	LED	3500	90	333	2	666
Family Consult	135	⊙	EVO® 6" Round Healthcare	Ambient	Relaxation	20	25	108	LED	3500	90	473	2	946
Triage Room	280	▩	WHSPR LCTR Troffer	Task	Visual Clarity	50	53	122	LED	3500	90	333	8	2,664
Coffee Station	160	⊙	EVO® 6" Round Healthcare	Task	Visual Clarity	50	58	108	LED	3500	90	473	6	2,838
Vending area	535	⊙	EVO® 6" Round Healthcare	Task	Visual Clarity	51	52	108	LED	3500	90	473	15	7,095
Vending Storage	40	▩	WHSPR LCTR Troffer	Task	Visual Clarity	20	26	122	LED	3500	90	333	1	333
Restrooms	160	▩	WHSPR LCTR Troffer	Task	Visual Clarity	20	19	122	LED	3500	90	333	2	666
Mechanical Rooms	380	▩	WHSPR LCTR Troffer	Task	Visual Clarity	30	29	122	LED	3500	90	333	6	1,998
Corridor	390	⊙	EVO® 6" Round Healthcare	Ambient	Visual Clarity	30	29	108	LED	3500	90	473	8	3,784
Restroom Corridor	390	⊙	EVO® 6" Round Healthcare	Ambient	Visual Clarity	30	29	108	LED	3500	90	473	8	3,784
Exitway	400	⊙	EVO® 6" Round Healthcare	Ambient	Visual Clarity	30	30	108	LED	3500	90	473	8	3,784
Hospital Exit	200	⊙	EVO® 6" Round Healthcare	Ambient	Relaxation	30	36	108	LED	3500	90	473	6	2,838
Triage Waiting	160	⊙	EVO® 6" Round Healthcare	Ambient	Relaxation	30	31	108	LED	3500	90	473	3	1,419
Triage Restroom	65	▩	WHSPR LCTR Troffer	Task	Visual Clarity	20	20	122	LED	3500	90	333	1	333
Exam Room x20	2840	▩	WHSPR LCTR Troffer	Task	Visual Clarity	50	53	122	LED	4500	90	333	20	666
Exam Room x20		□	POP Recessed	Task	Visual Clarity	50	53	122	LED	4500	90	333	80	2664
Nourishment	80	▬	MARKCOVE 504 Cove Luminaire	Task	Visual Clarity	50	53	122	LED	3500	90	333	6	1,998
Nourishment	80	▬	MARKCOVE 504 Cove Luminaire	Ambient	Visual Clarity	30	31	N/A	LED	3500	90	1,472	1	1,472
Nurse Station x3	1380	▬	MARKCOVE 504 Cove Luminaire	Task	Visual Clarity	50	53	122	LED	4500	90	333	36	11,988

# LIGHTING SCHEDULE

Area	Area Sq Ft	Lighting Symbol	Fixture Name	Illuminance Type	Qualitative Goal	Illuminance Goal	Illuminance Achieved	Spacing Criteria	Lamp	CT or CCT	CRI	Watts Per Fixture	Number of Fixtures	Total Watts
Nurse Station x3		⊙	EVO® 8" Round Healthcare	Task	Visual Clarity	50	53	122	LED	4500	90	333	24	7,992
Corridors	3860	⊙	EVO® 8" Round Healthcare	Task	Visual Clarity	50	53	122	LED	4500	90	333	75	24,975
Restrooms x 4	320	⊙	EVO® 8" Round Healthcare	Task	Visual Clarity	20	20	122	LED	3500	90	333	16	5,328
Soil/Clean x2	360	⊙	EVO® 8" Round Healthcare	Task	Visual Clarity	50	53	122	LED	4500	90	333	6	1,998
Storage x2	290	⊙	EVO® 8" Round Healthcare	Task	Visual Clarity	50	53	122	LED	4500	90	333	8	2,664
Mental Health x2	280	□	POP Recessed	Task	Visual Clarity	50	53	122	LED	4500	90	333	8	2,664
Mental Health x2		▩	WHSPR LCTR Troffer	Task	Visual Clarity	50	53	122	LED	4500	90	333	2	666
Mental Health RR x2	125	⊙	EVO® 8" Round Healthcare	Task	Visual Clarity	50	53	122	LED	4500	90	333	8	2,664
Isolation Room x2	280	⊙	EVO® 8" Round Healthcare	Task	Visual Clarity	50	53	122	LED	4500	90	333	8	2,664
Isolation Room x2		▩	WHSPR LCTR Troffer	Task	Visual Clarity	50	53	122	LED	4500	90	333	2	666
Isolation Room RR x2	125	⊙	EVO® 8" Round Healthcare	Task	Visual Clarity	50	53	122	LED	4500	90	333	8	2,664
Isolation Room Vestibule	120	⊙	EVO® 8" Round Healthcare	Task	Visual Clarity	50	53	122	LED	4500	90	333	4	1,332
Dinning Area	943	⊙	EVO® 6" Round Healthcare	Ambient	Pleasant	20	20	108	LED	3500	90	473	29	13,717
Locker Room	242	⊙	EVO® 6" Round Healthcare	Ambient	Pleasant	20	20	108	LED	3500	90	473	8	3,784
Staff Restroom	179	⊙	EVO® 6" Round Healthcare	Ambient	Pleasant	20	20	108	LED	3500	90	473	4	1,892
On Call Oasis	299	⊙	EVO® 6" Round Healthcare	Ambient	Pleasant	20	20	108	LED	3500	90	473	6	2,838
Kitchen	160	⊙	Topaz 6" LED Slim Downlight	Ambient	Visual Clarity	20	16	108	LED	3000	90	14	6	84
Kitchen		○	Katie Globe Pendants	Ambient	Pleasant	20	18	108	LED	1600	90	1,472	3	4,416
Lounge Area	458	⊙	Grapes LED 6-Light Round Multipoint Pendant	Ambient	Pleasant	20	18	108	LED	900	90	1,472	2	2,944
													Total Watts	17,747.76
													Total Square Footage	18,426.00
													Total Watts per Sq Ft	0.963

RECEPTION  
+  
WAITING ROOM



# RECEPTION AREA

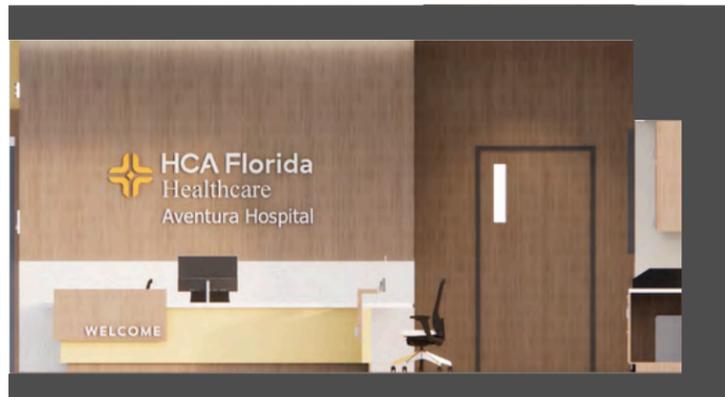


- 1 Entry Vestibule
- 2 Reception + Security
- 3 Wheelchair Storage Room
- 4 Waiting Room
- 5 Children's Play Area
- 6 Registration
- 7 Family Consult Room
- 8 Vending Area
- 9 Telecom + Electrical Rooms
- 10 Restrooms
- 11 Triage Exam Rooms
- 12 Triage Waiting Room

# RECEPTION AREA



Triage Room and Emergency Entrance



Reception Desk Section (N.T.S.)



Reception and Security Perspective

F, F, & E

- 1 Terrazzo Brand Terrazzo



- 2 Formica 6413A Silver Riftwood Antimicrobial



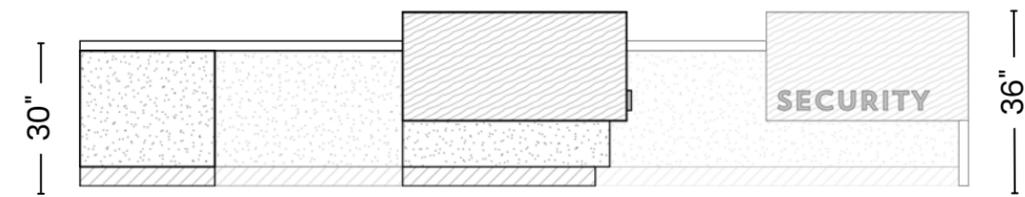
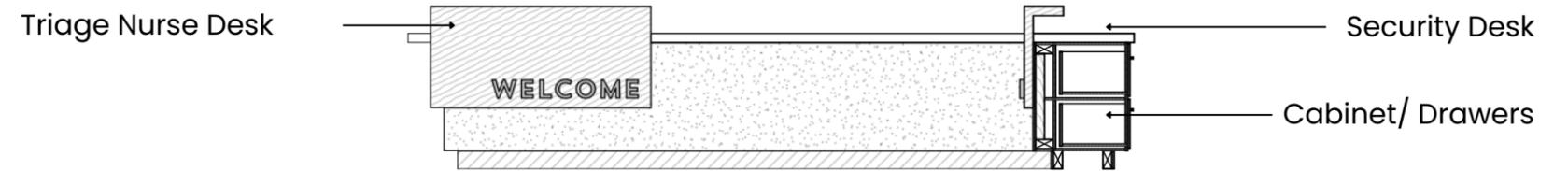
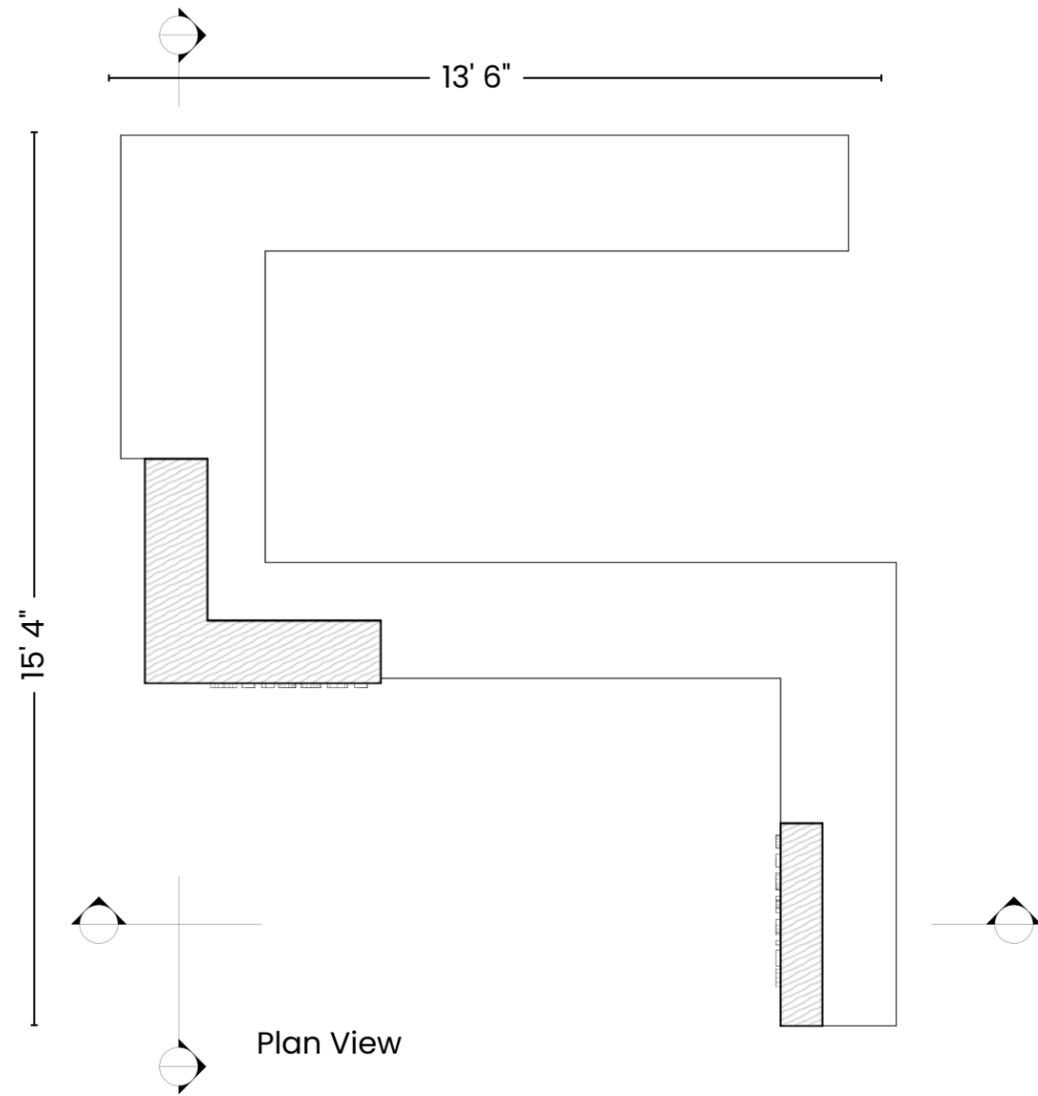
- 3 Formica 8846A Oiled Legno Antimicrobial



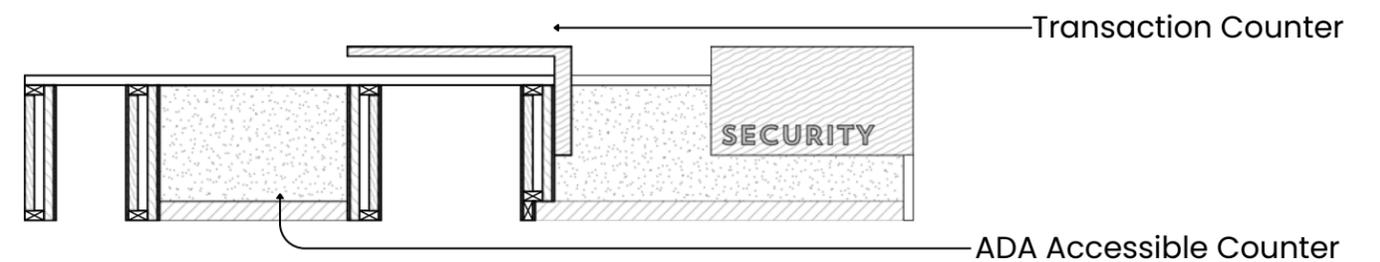
- 4 OFS Carolina Offshore Lounge



# RECEPTION DESK



Side Elevation



Longitudinal Section

WAITING  
+  
REGISTRATION



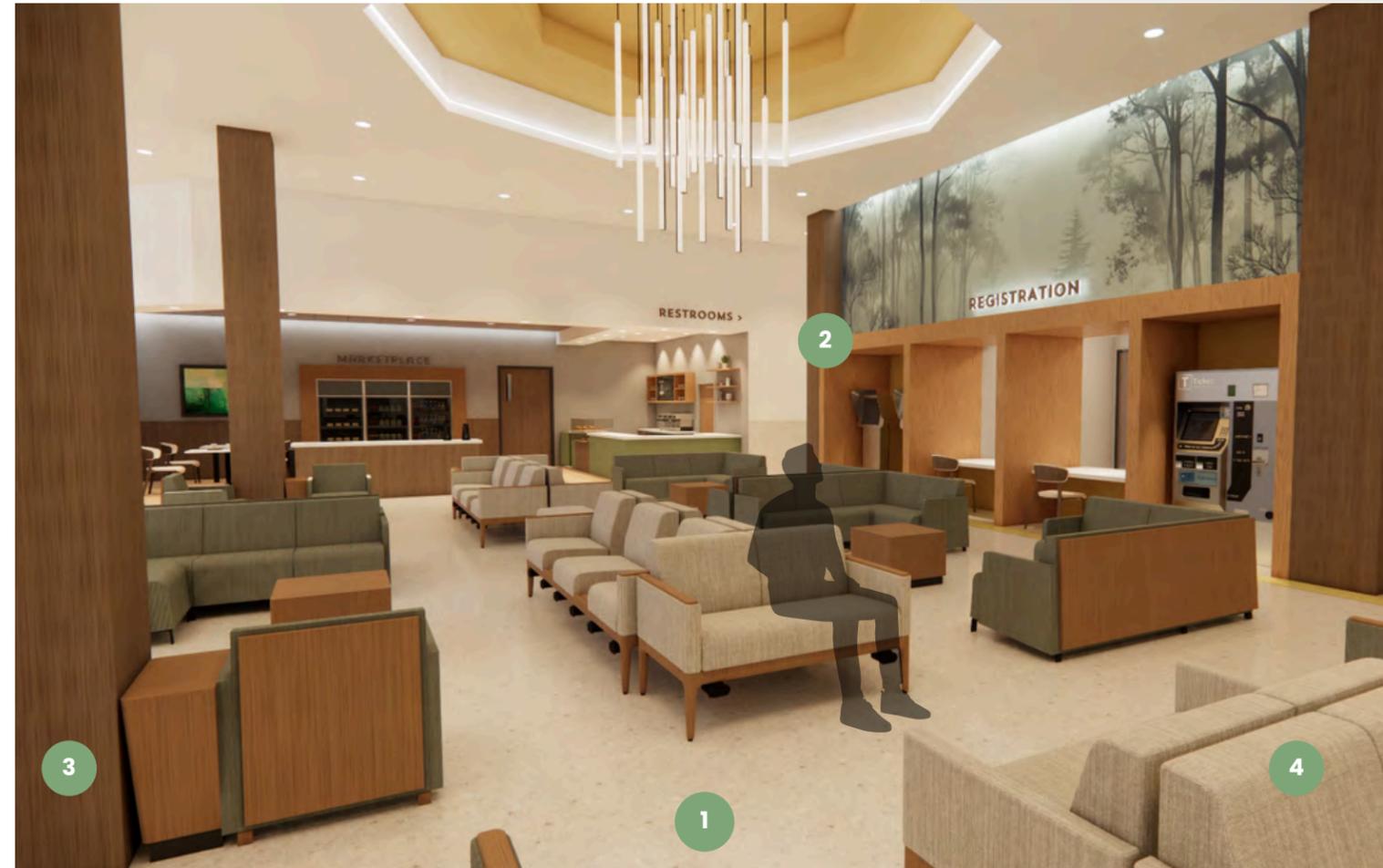
# WAITING + REGISTRATION



Children's Play Area



Registration Elevation



Registration and Waiting Room

F, F, & E

- 1 Terrazzo Brand Terrazzo



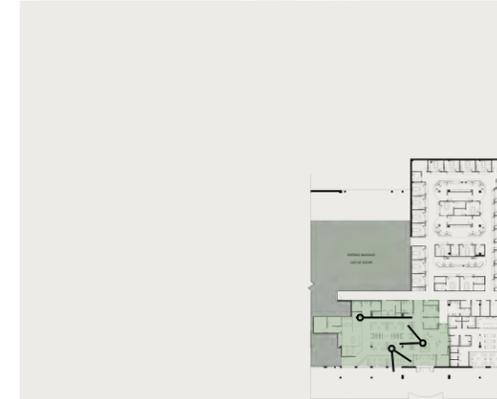
- 2 Formica 6413A Silver Riftwood Antimicrobial



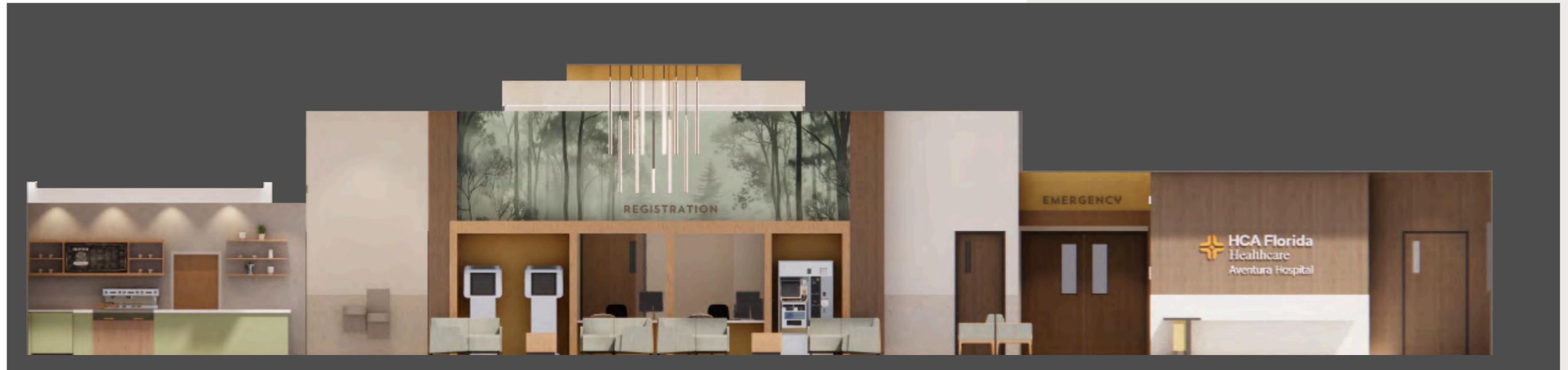
- 3 Formica 8846A Oiled Legno Antimicrobial



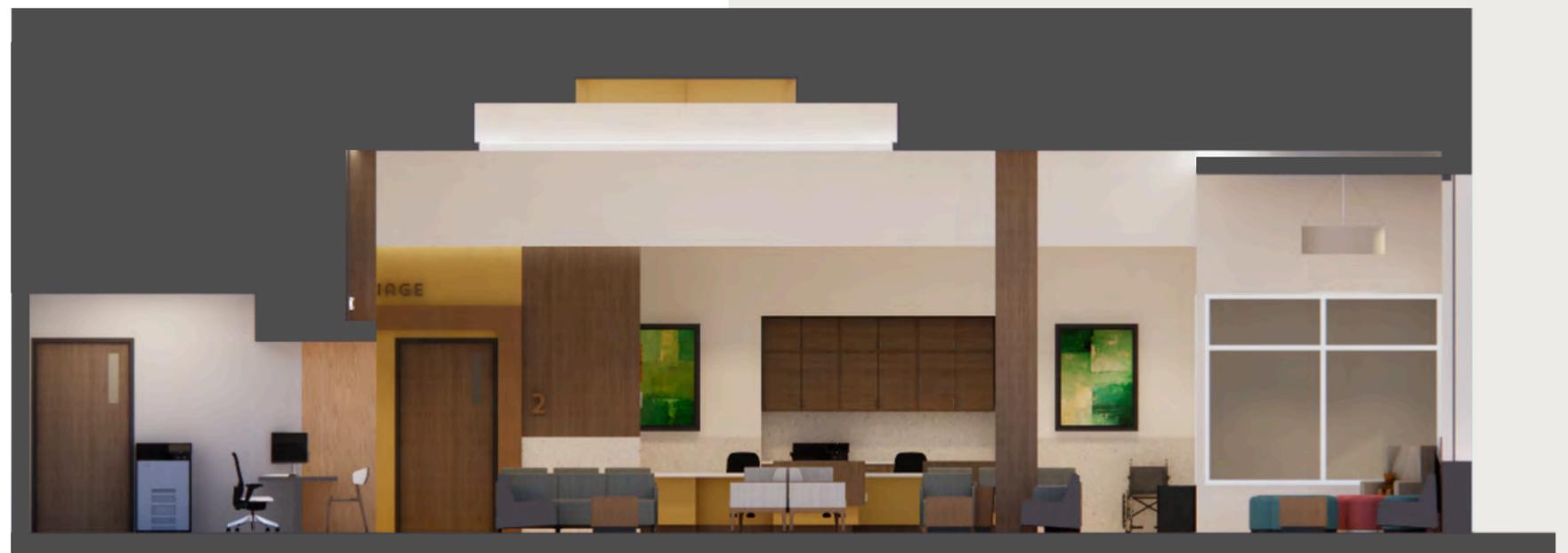
- 4 OFS Carolina Offshore Lounge



# WAITING + REGISTRATION



Waiting Room Longitudinal Section (N.T.S.)



Waiting Room Latitudinal Section (N.T.S.)

VENDING



# VENDING + COFFEE



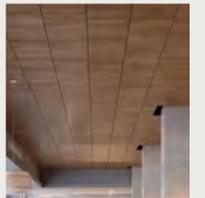
Vending Area Perspective

F, F, & E

- 1 Armstrong Flooring  
Luxury Vinyl



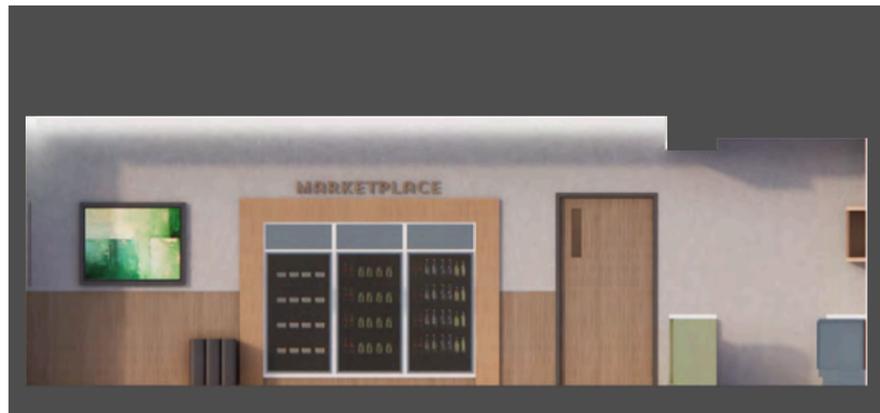
- 2 Armstrong  
Vectorworks  
Acoustical Ceiling



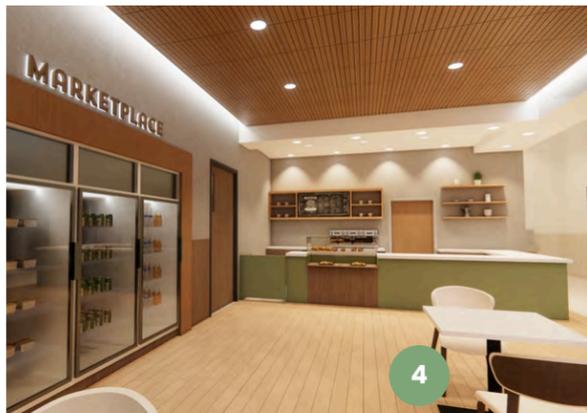
- 3 Formica 8793  
Green Slate



- 4 OFS Carolina  
Bistro Chair



Vending Area Section (N.T.S.)



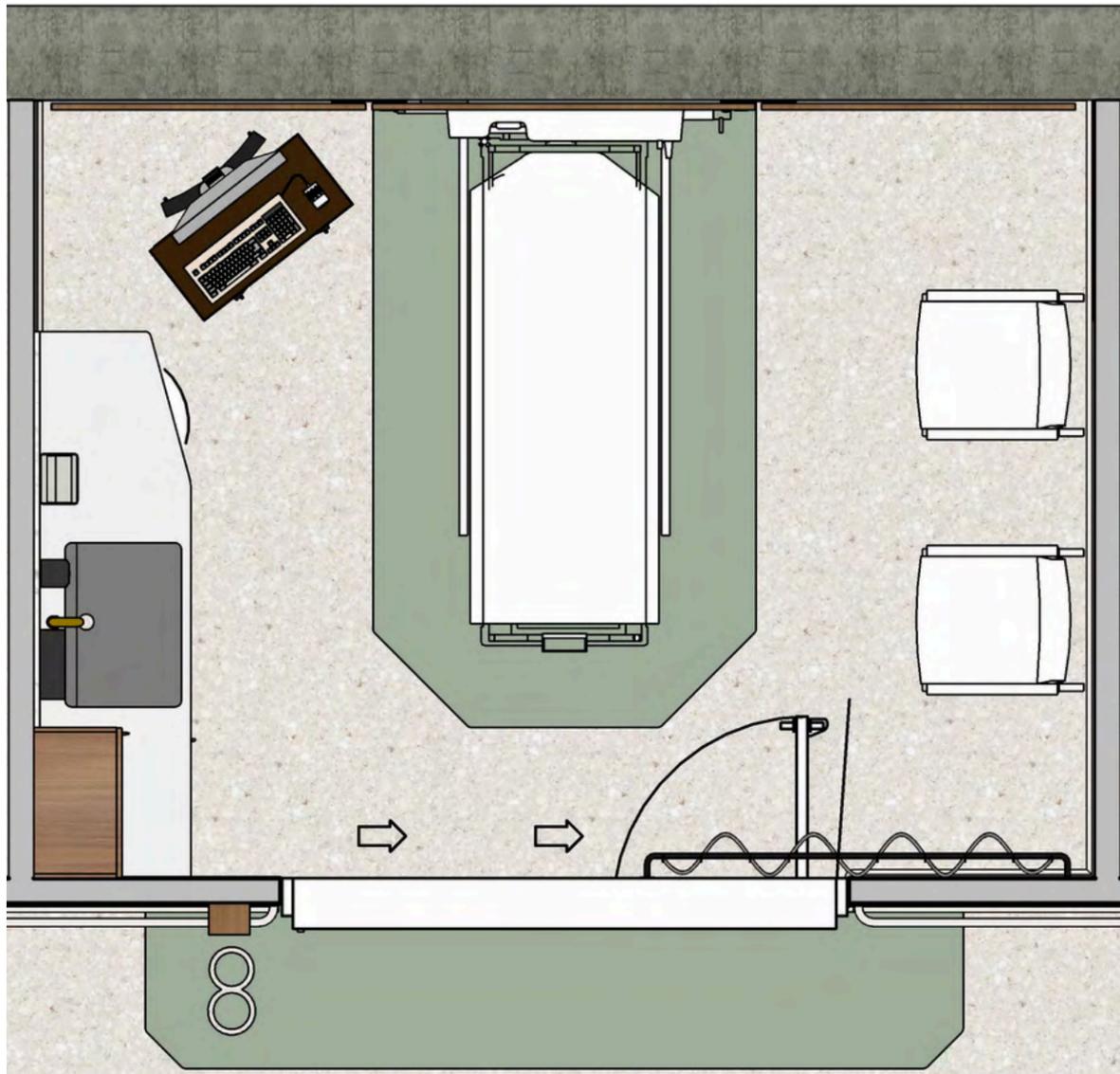
Vending Area Perspective



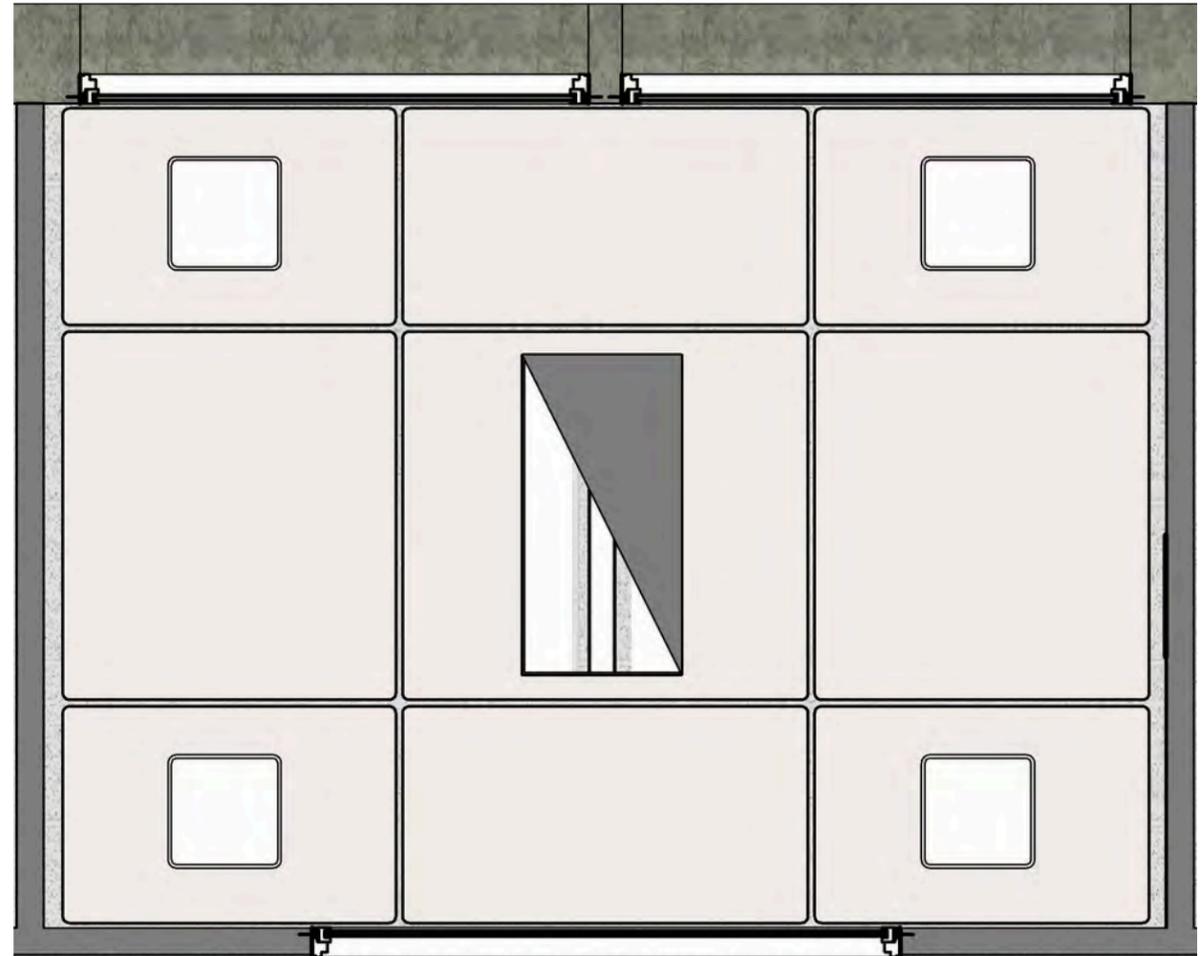
EXAM ROOMS



# FLOOR PLAN + RCP



Floor Plan NTS



RCP NTS

# GENERAL PATIENT ROOM



Feature Wall Section



Exterior Elevation



Axonometric

F, F, & E

- 1 OFS Carolina Mile Marker.G2



- 2 Connex® Integrated Wall System



- 3 AMICO Recessed Console Unit



- 4 NaviCare® Nurse Call Standard Room Station



- 6 Hill-Rom Procedural Stretcher



- 5 OFS Carolina Voyage



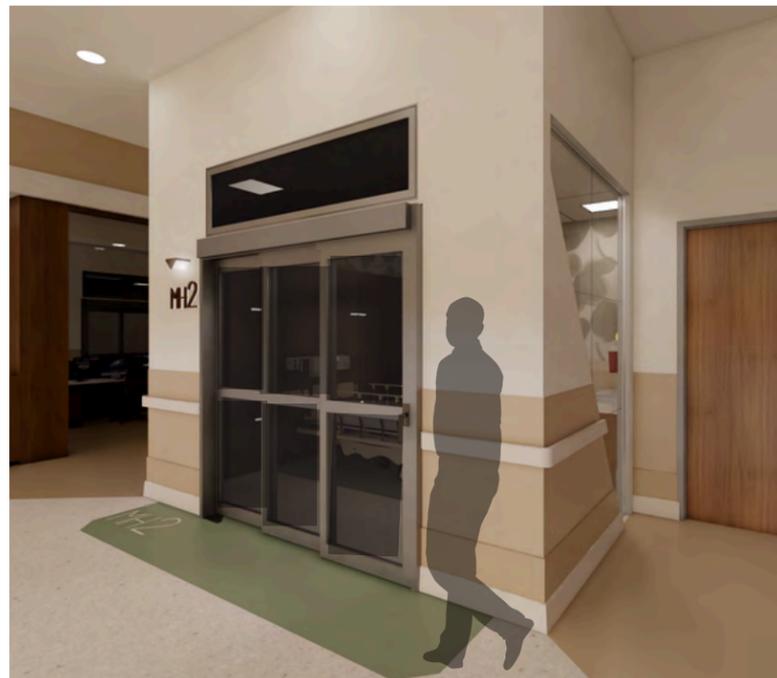
# GENERAL PATIENT ROOM



# MENTAL HEALTH ROOM



Section



Exterior Perspective



Perspective

F, F, & E

- 1 OFS Carolina Mile Marker.G2



- 2 Connex® Integrated Wall System



- 3 AMICO Recessed Console Unit



- 4 NaviCare® Nurse Call Standard Room Station



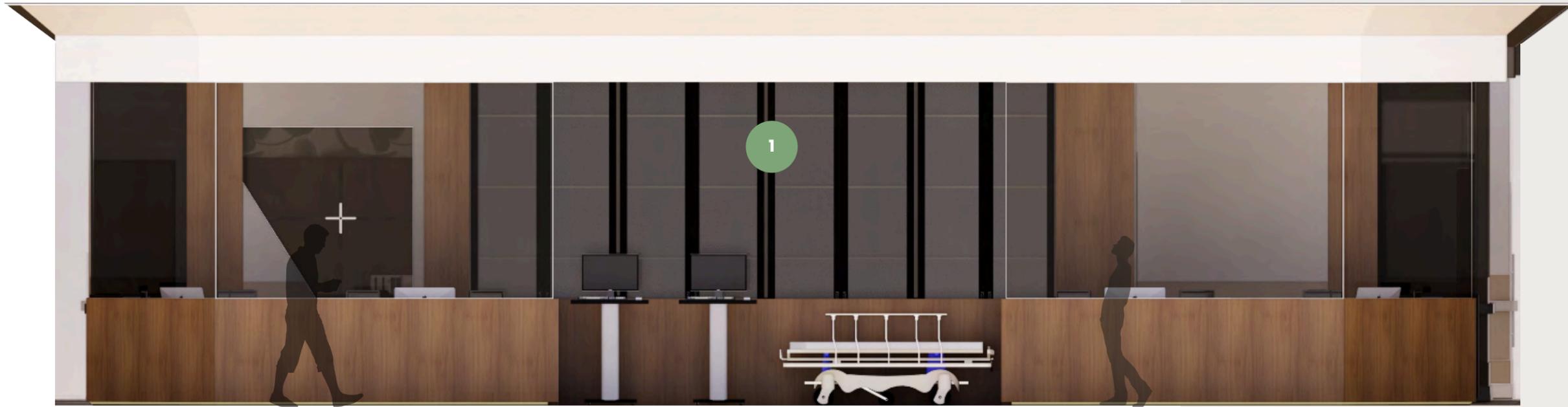
- 5 Hill-Rom Procedural Stretcher



NURSE STATION



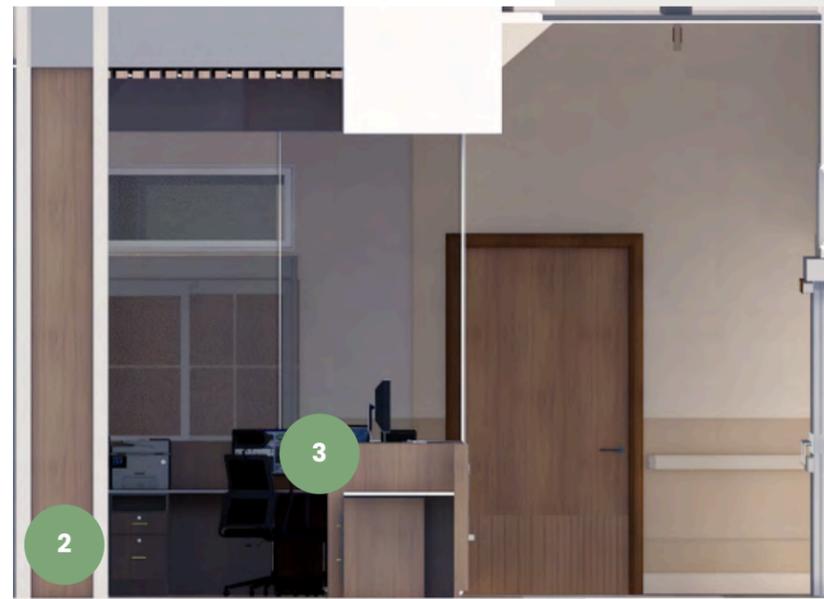
# NURSE STATION



Elevation



Perspective



Section Cut

F, F, & E

1 Industrial Clear-View Cabinet



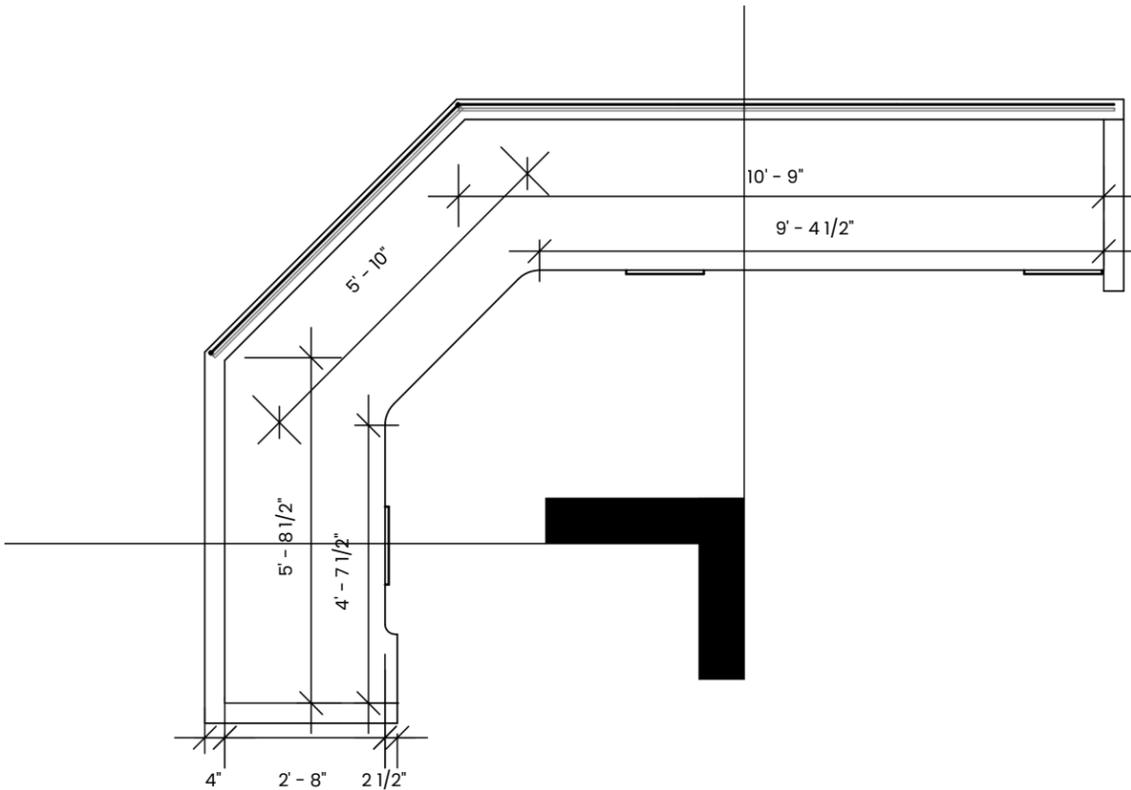
2 Downtown Mobile Pedestal Files



3 OFS Carolina Pret



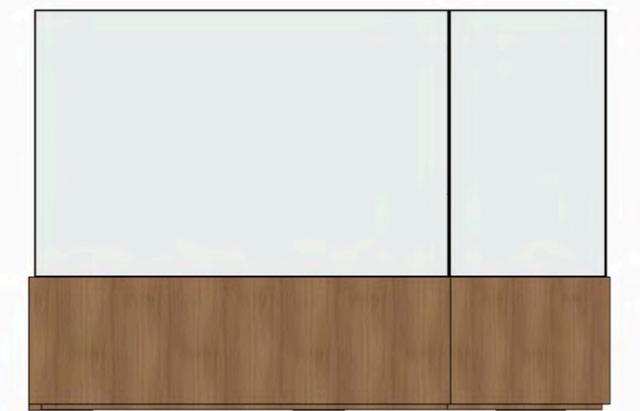
# NURSE STATION DESK



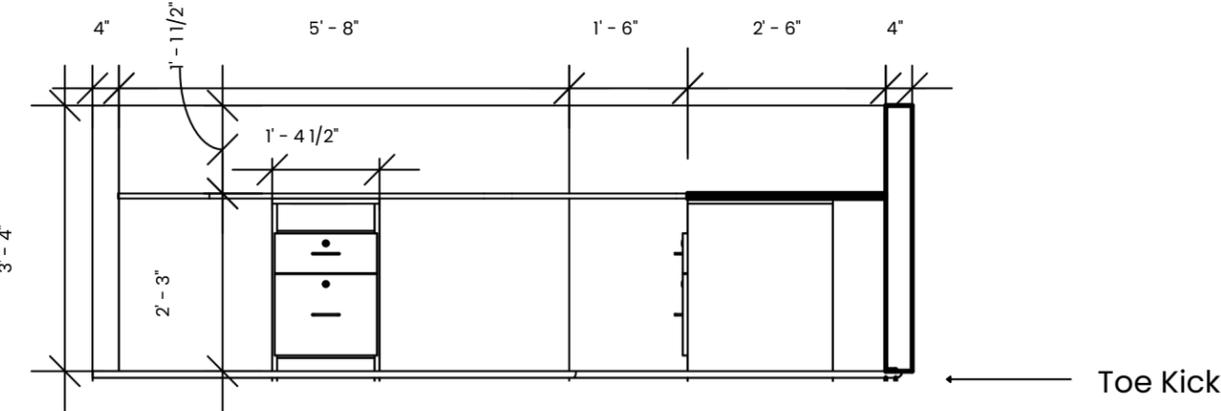
Plan View



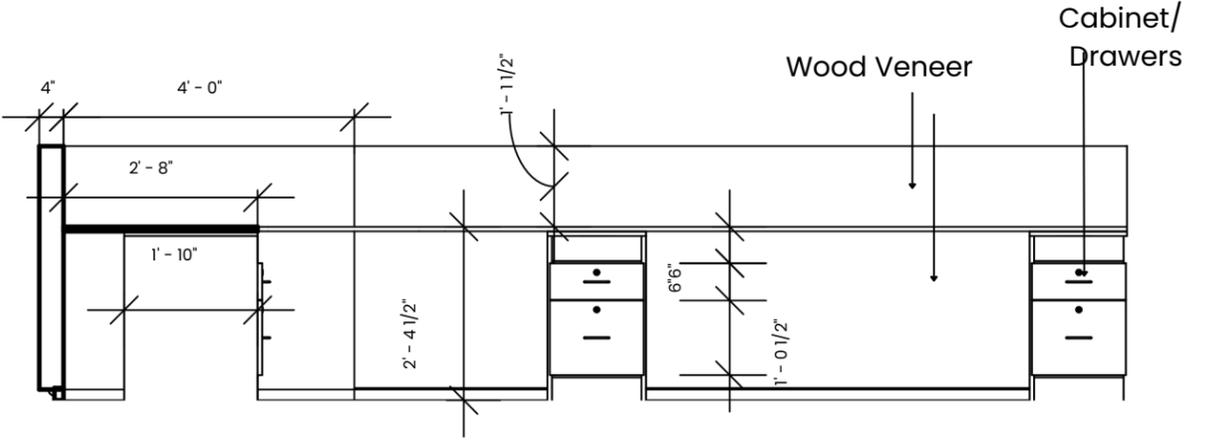
Axonometric View



Front Elevation



Transversal Section



Longitudinal Section

# NURSE STATION



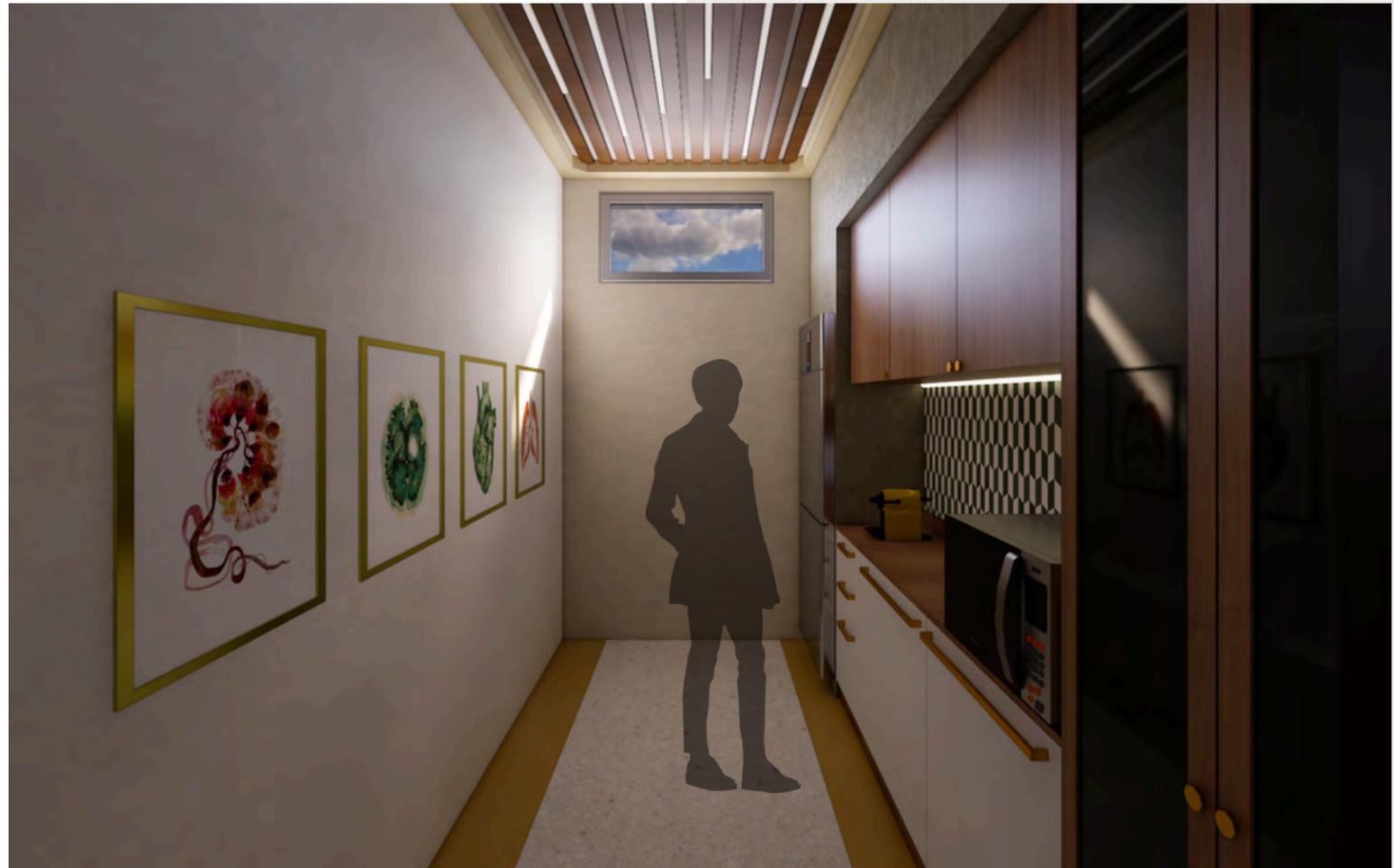
NOURISHMENT



# NOURISHMENT ALCOVE



Section



Perspective



Perspective

**F, F, & E**

**1** OFS Carolina Mile Marker.G2



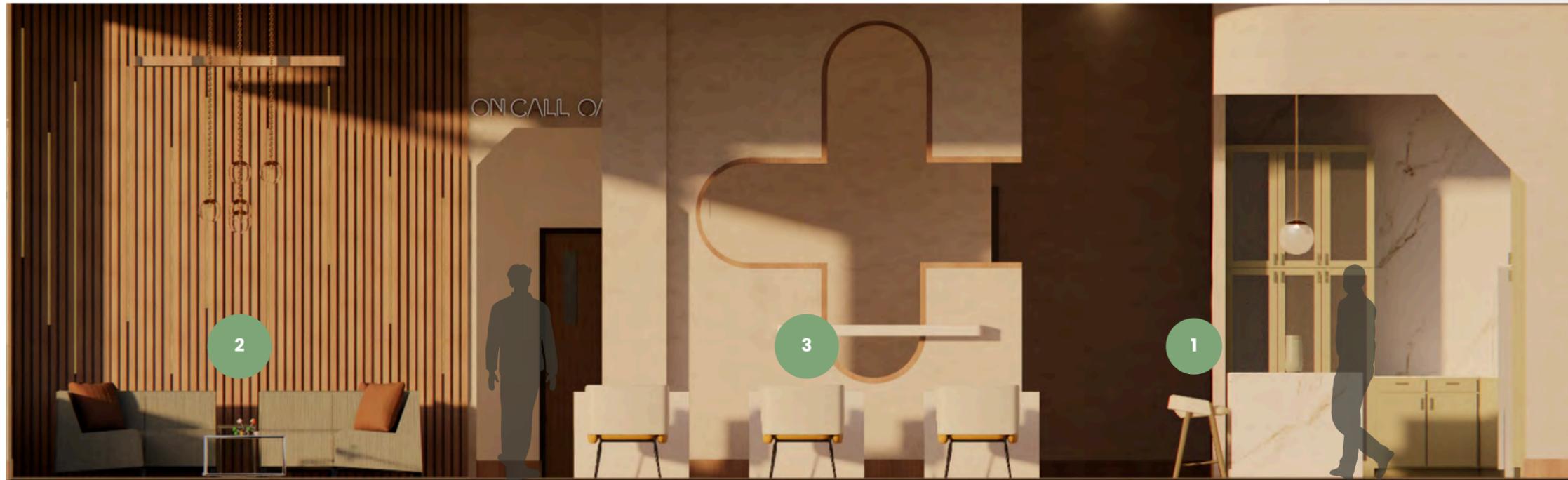
**2** One Section Reach In Refrigerator



STAFF ROOM



# STAFF ROOM



Dinning Area Perspective



Nurse Sleeping Nock Elevation

F, F, & E

1 OFS Carolina RAYA Stool



2 OFS Neom Modular Lounge



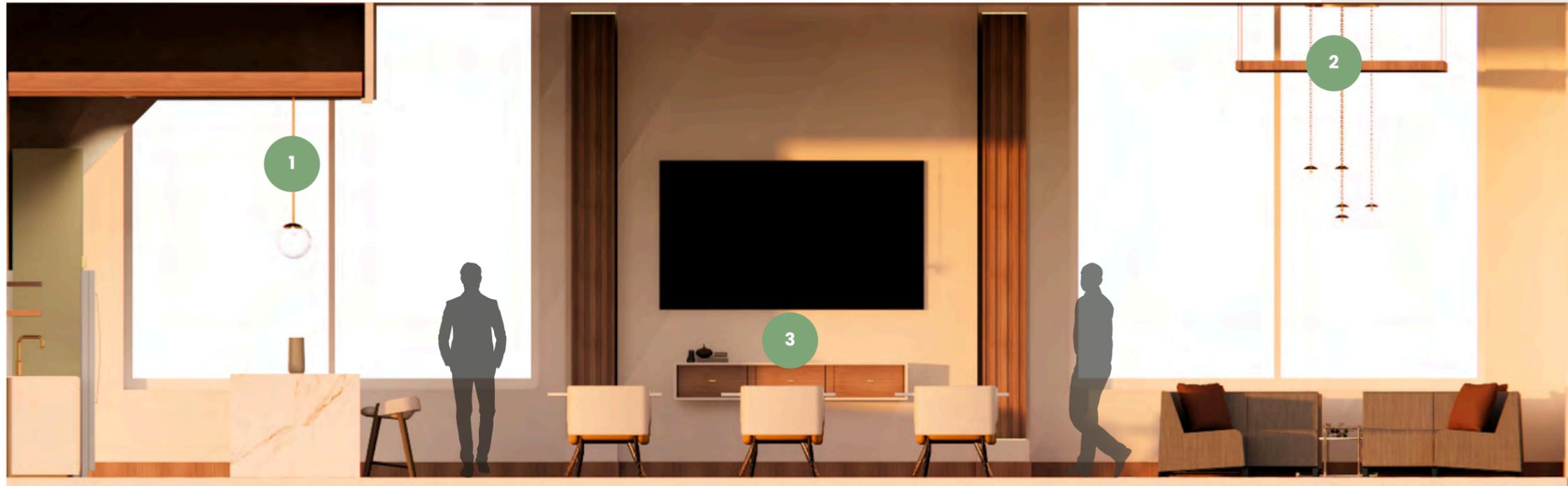
3 BINGSTA Armchair,



4 Bover Platet Wall Light



# STAFF ROOM



Dining Area Perspective



Kitchen Elevation (N.T.S.)



Lounge Area Elevation (N.T.S.)

F, F, & E

1 Lumens Katie  
Globe Pendant



2 Lumens  
Sonneman  
Lighting



3 BESTÅ Wall-  
mounted cabinet



# STAFF ROOM



Staff Room Perspective

# STAFF ROOM



Staff Room Perspective

THANK YOU!