

MITCHELL EKEDEDE NEUROLOGICAL REHABILITATION CENTER



CONCEPTUAL DESIGN

The center should evoke a feeling of calm, relaxation and serenity. The design, surroundings and architecture should create a sensory experience and a unique impression. Sight, sound, touch, smell and maybe even taste to activate centers of the brain intentionally and even subtly. Walking paths through lush gardens, the sound of water in the background, the smell of fresh flowers and fruits, the feeling of sun rays through shrubbery, the feeling of wood, stone and textured surfaces.

Secondly, the center should also be technologically advanced showcasing elements to make operation and function easy. This experience will also establish a confidence in the facility and the competence of the staff and physicians. A facility of this type, with lives on the line, should always have top-of-the-line equipment to increase the rate of successful procedures. This is also a huge part in giving value for money and keeps staff pride and morale high.

Finally, the center should be a sustainable facility. Sustainable in its design for low energy, optimum air quality, recyclable materials and sustainable in its concept. From design to operation the facility should be seen as an ally to the environment and have the lowest impact practicable. This should also directly impact the centers profitability through cost savings.

Site

- Ample parking
- Impressive entrance to site
- Sustainability
- Covered Entrance
- Accessible to the handicapped

Possible Building Features

In addition to the given parameters...

- Trauma Helipad suggested
- Covered entrance
- Accessible green space (elevated gardens)

Sustainability Concerns

- Physical building (Insulated exterior envelope with low maintenance
- Exterior, use of recyclable and up cycling materials (eg. aluminum framing and rapid renewable wood.)
- MEP Systems (low energy fixtures and equipment, low flow plumbing)
- Daylighting (Natural light, diffuse indirect light into the building)
- Waste recovery (Heat and coil collected water, stormwater reuse,
- Solar power (Maximum use of solar power to supplement main source)

CONCEPT CAMPUS SITE PLAN

Medical Module

- Rehab
- Surgery
- Medical Support
- Food Service & Cafe



Recovery Residence Module

- Recovery Rooms
- Recovery Suites

Administration Module

- Point of Entry
- Security
- Conference
- Offices
- Gift Shop
- Breakout Meeting Rooms

CONCEPT CAMPUS SITE PLAN

Ocean View
Very positive stimulating view,
cool breezes.

Lush coppice surround
Added privacy, cleans the air,
natural views.

Helipad
Allows emergency cases to be
flown in.

Light colored roofs
Keeps buildings 45% cooler.

Main vehicular approach
Creates first impression, con-
trols traffic flow.

Solar Array Carpark
Collects free power, shades ve-
hicle, encourages short walking
activity .

Covered Walkways
Connecting walkways for weather-
proof open air movement between
buildings.

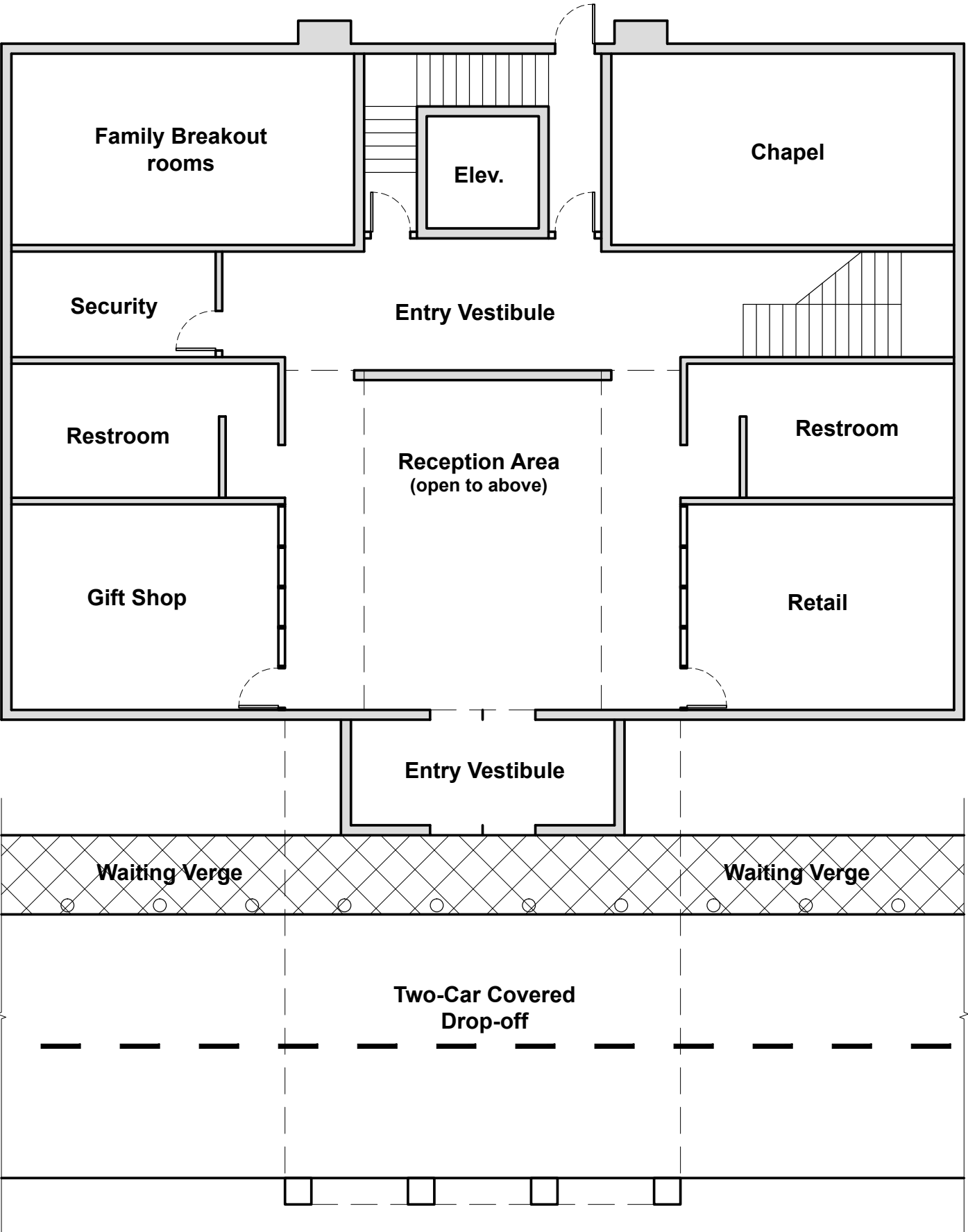


BUILDING MODULES - ADMINISTRATION

The Administration Module will greet the temporary visitor and house the executive offices of the compound. All business will take place at this building that is the first point of contact and also the security checkpoint for the facilities.



The Administration Module will also allow for drop offs and pick ups in a covered secure location. The design of all buildings value the nature experience through the use of much windows and outdoor covered spaces to interact with nature, enjoy clean air, and smell the essence of the outdoors. The buildings will be heavily nestled in vegetation and surrounded by water.



BUILDING MODULES - ADMINISTRATION

GROUND FLOOR PLAN



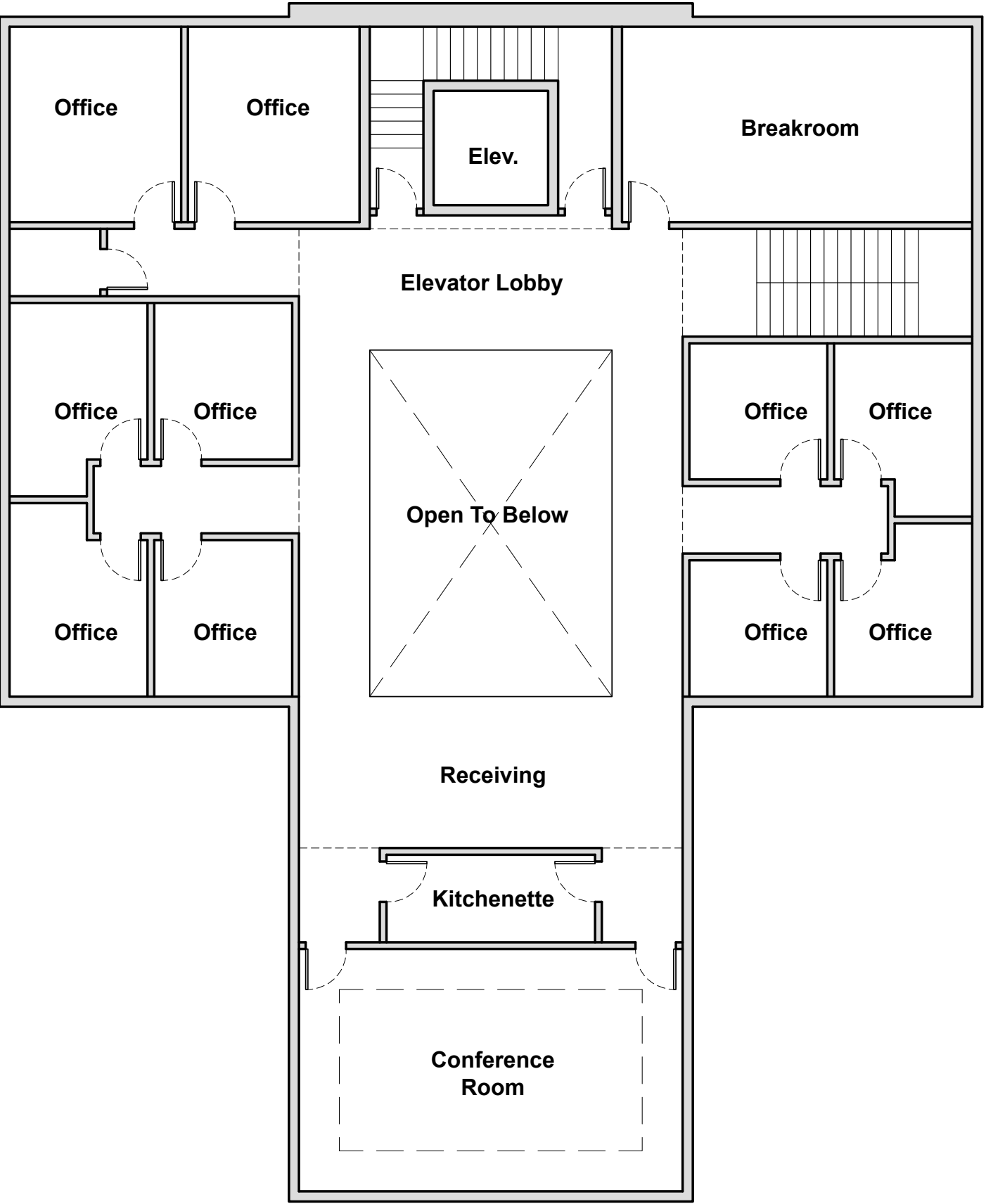
Chapel Concept



Reception Concept



Waiting Covered drop off Concept



BUILDING MODULES - ADMINISTRATION
GROUND FLOOR PLAN



Conference Room Concept

BUILDING MODULES - MEDICAL

The Medical Module will house all of the surgery and therapy spaces as well as the support element that drive these. Everything from therapy pools to the cafe will be elements of this building module. Secure check in either from the front or covered side access points allows for maximum access by staff and patients. Ease of access is paramount while still embracing the stimuli of the nature around. Bringing the outdoor in continues to be the goal. Exterior usable spaces, lots of viewing glass for visual interest as well as maximizing natural light to the interior.

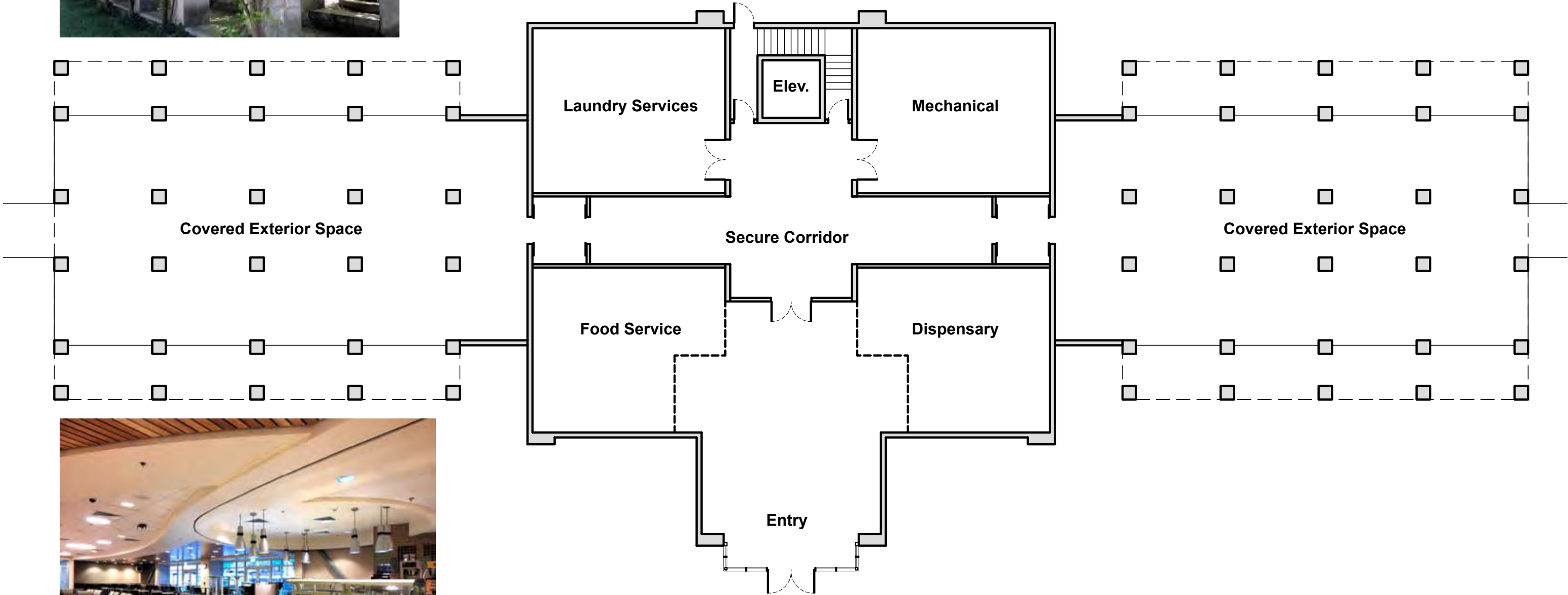
The overall aesthetic clings to a clean line simple design that takes a back seat to the surroundings. The stimulus of nature is the key component to the healing process.





Covered Exterior Space Concept

BUILDING MODULES - MEDICAL
GROUND FLOOR PLAN

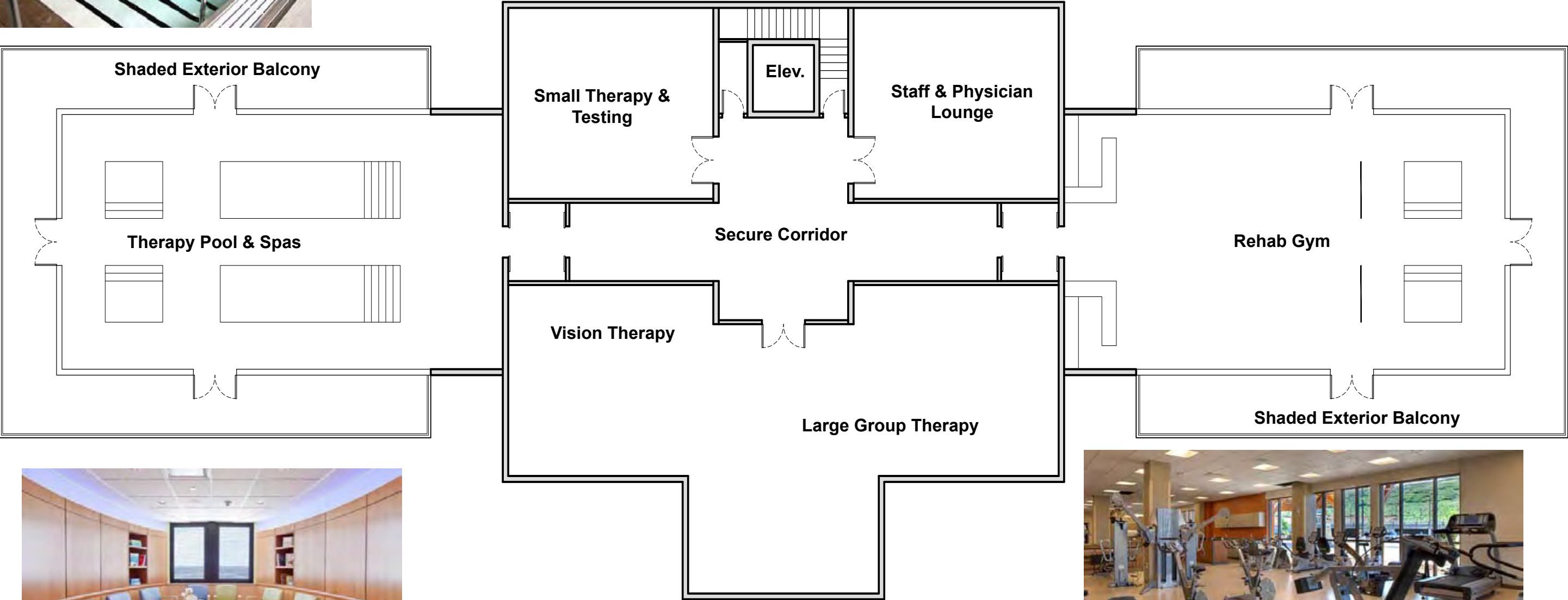


Food Service Concept



Therapy Pool Concept

BUILDING MODULES - MEDICAL
SECOND FLOOR PLAN



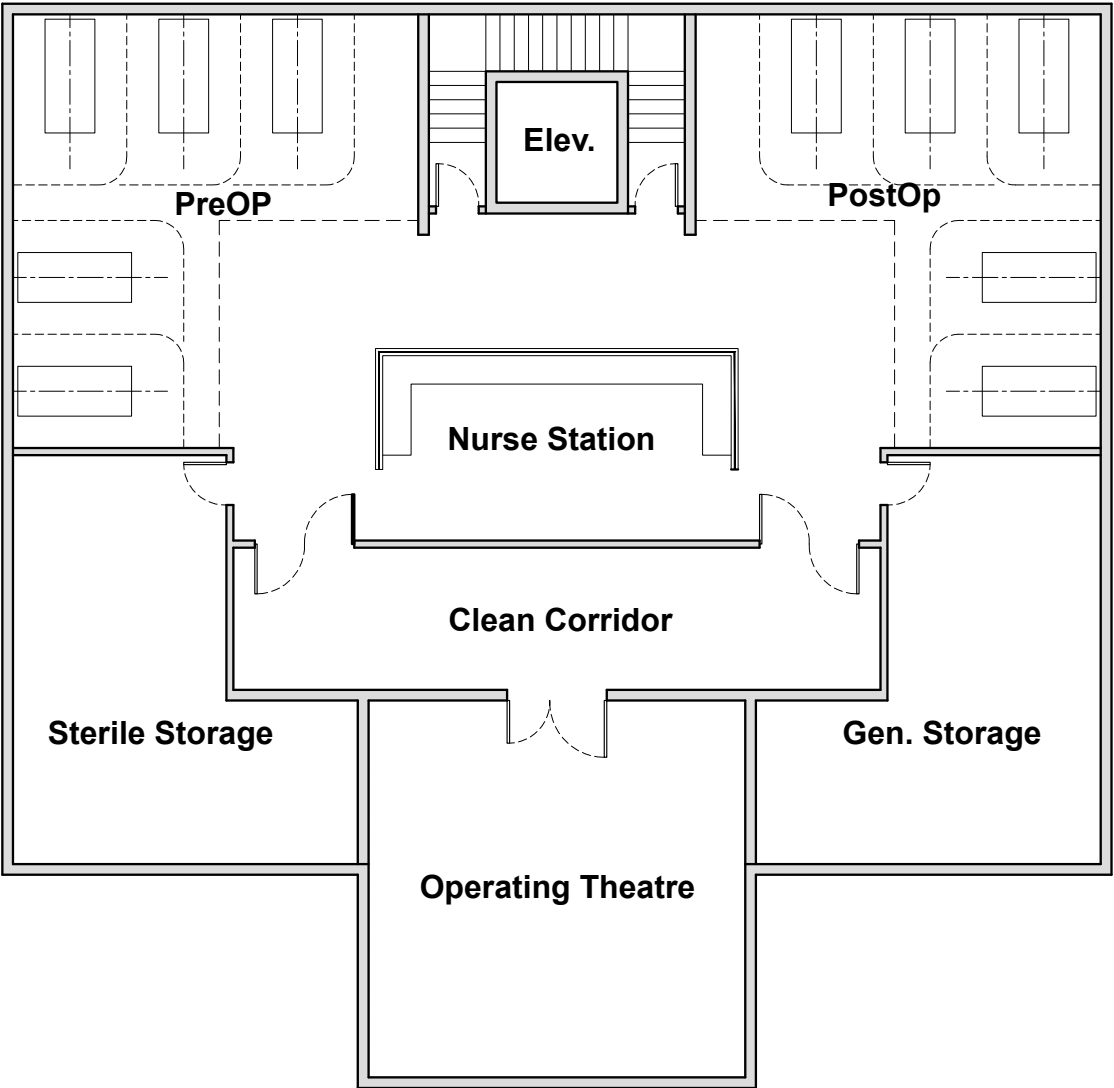
Group Therapy Concept



Gym Concept



PreOP/PostOp Concept



BUILDING MODULES - MEDICAL
THIRD FLOOR PLAN



Neuro Operating Theatre Concept



Nurse Station Concept

BUILDING MODULES - RECOVERY RESIDENCE

The Recovery Residence Module allows for long term stays for monitoring and recovery on the campus. There will be different types of rooms from the basic **One-bed Room** with all the stabilization and monitoring equipment to the **Recovery Suite** that houses a larger space with adjoining room and small kitchenette.

The building design and footprint is designed to be modular allowing for the repeated floor to be built multiple times as the need requires to satisfy operational numbers.

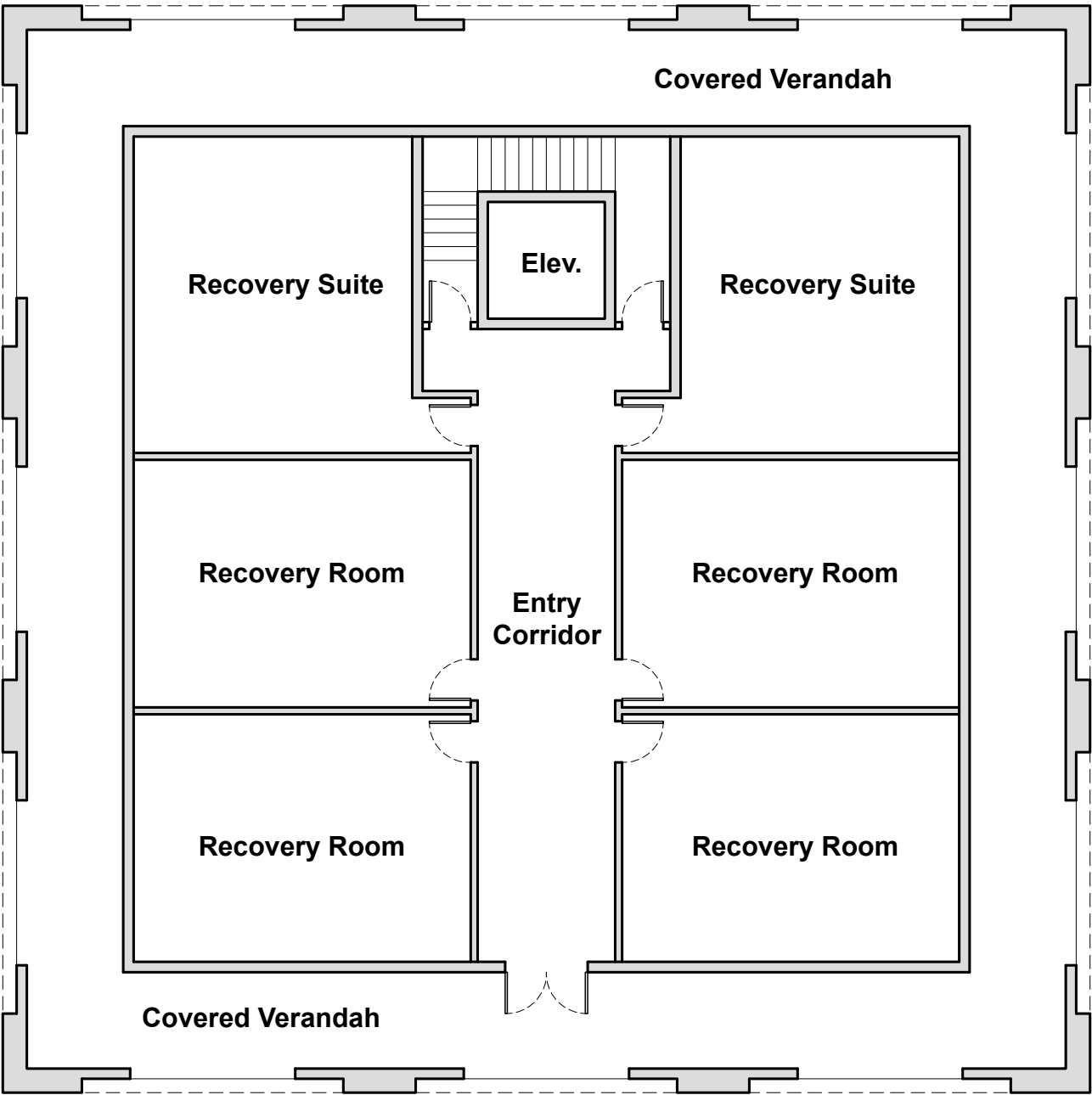


BUILDING MODULES - RECOVERY RESIDENCE

MULTIPLE FLOOR PLAN



Recovery Suite Concept



Recovery Room Concept



