CONVert

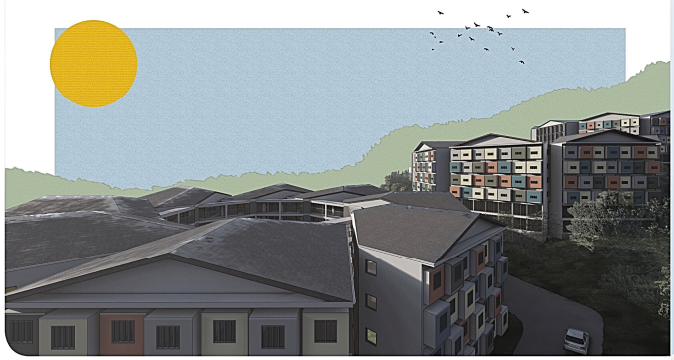
Reinventing the Prison Typology through a Humane Reformation Process

The idea began with an alternative point of view on fragility as not just an issue concerning cities and their road to sustainable urbanization, but also its existing fragile demographic, such as persons deprived of liberty (PDLs), as an equally important issue moving forward.

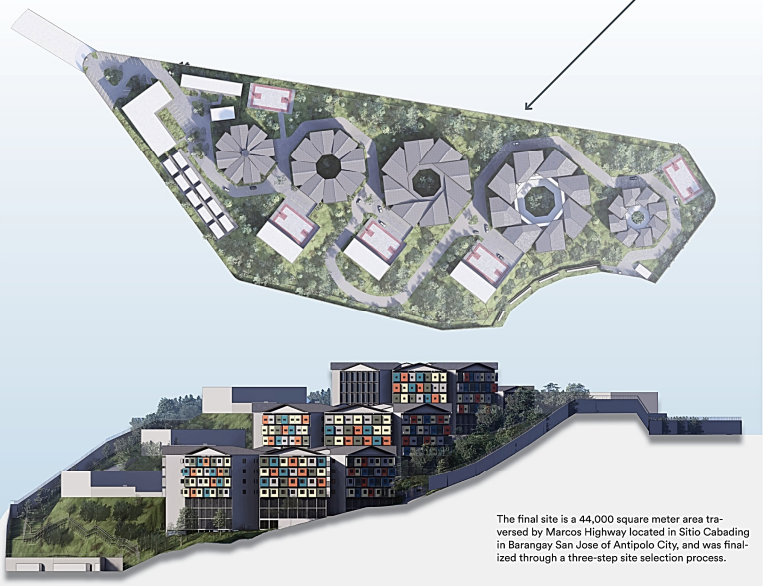
With restorative justice, rehabilitation, and reintegration, the proposed project strives to mold the PDL into a productive member of society through humane and inclusive spaces and programs that are organized in a procedural yet holistic approach.

CONVert endeavors to contribute theoretical and pragmatic design interventions through the discipline of architecture that seeks to achieve a meaningful reformation in correctional facilities and support the reentry of PDLs back to the society and their families to reduce recidivism and crime in our communities.

"AGILE CITIES SHOULD BE ABLE TO ADDRESS ITS FRAGILE PEOPLE"



SITE MACRO TO MICRO CONTEXT

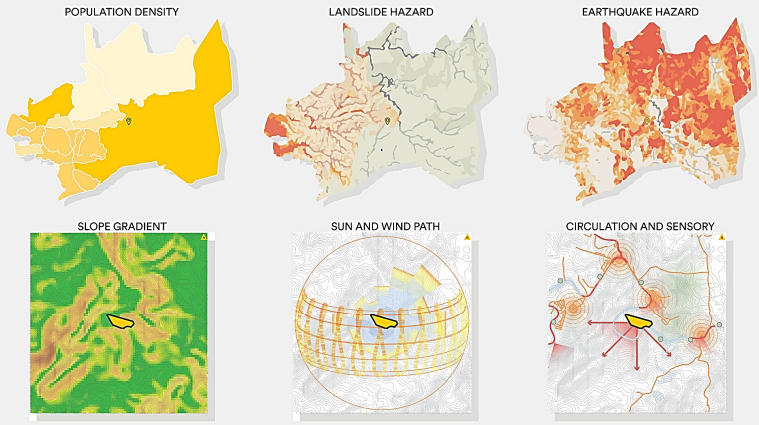


The final site is a 44,000 square meter area traversed by Marcos Highway located in Sitio Cabading in Barangay San Jose of Antipolo City, and was finalized through a three-step site selection process.

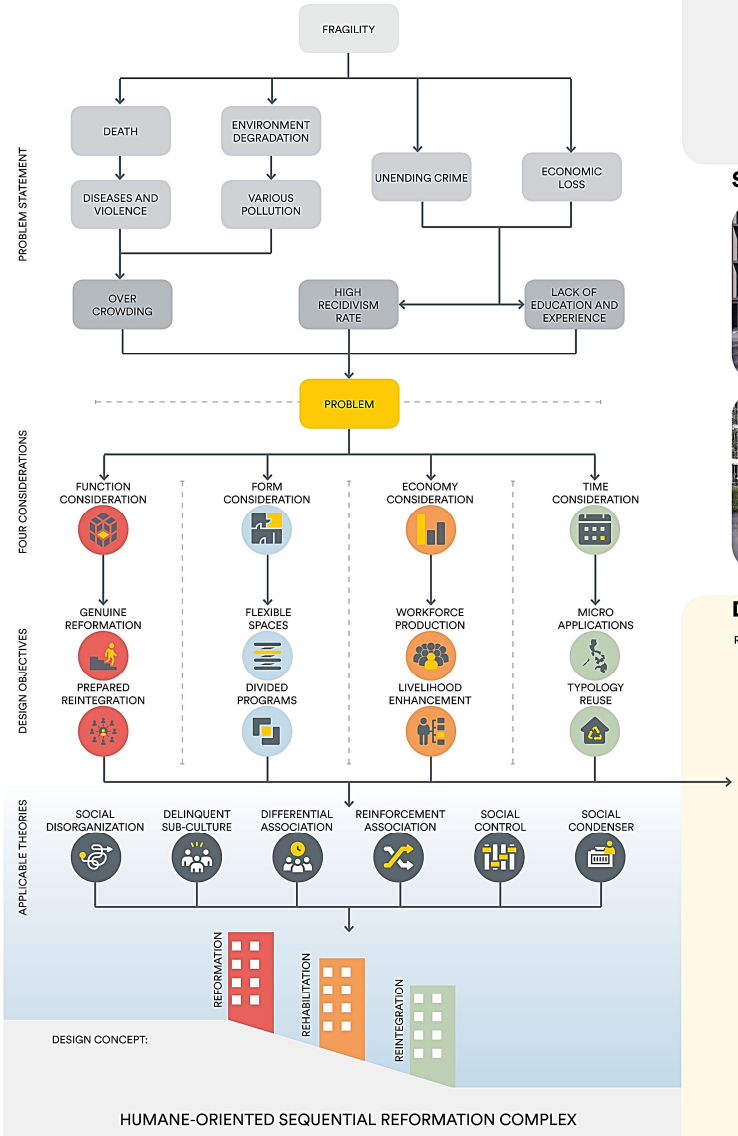
INTRODUCTION IN NUMBERS

- **215,000** current inmates with a capacity of only 4,000
- **310%** congestion rate at the Bureau of Corrections
- **534%** congestion rate at the Bureau of Jail Management and Penology
- **3/4** of the current prison population are repeat offenders
- **92%** of current prison population are members of the working force
- **100,000** pesos is spent per inmate every year

MACRO AND MICRO SITE ANALYSIS



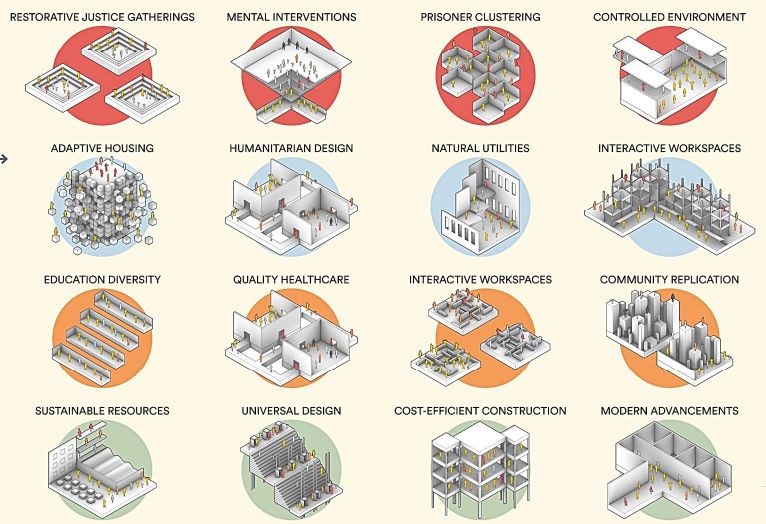
CONCEPTUAL AND THEORETICAL FRAMEWORK



HUMANE-ORIENTED SEQUENTIAL REFORMATION COMPLEX

SITE PERSPECTIVES

DESIGN STRATEGIES



DESIGN TRANSLATION

1 STUDY
2 ANALYZE
3 ZONE
4 SHAPE
5 GRADE
6 PLACE
7 DEVELOP
8 CONNNECT

A REINVENT
B FORM
C PROGRAM
D DETAIL

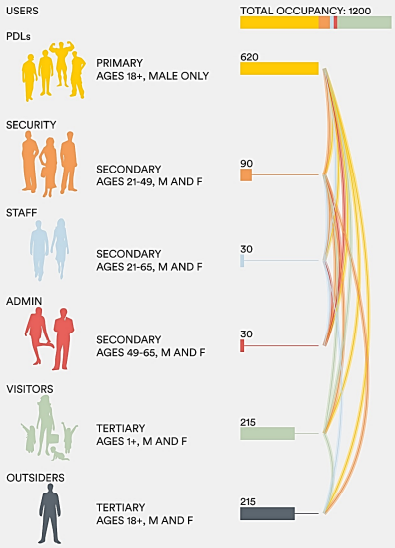
*FOR PRISON DESIGN PROCESS

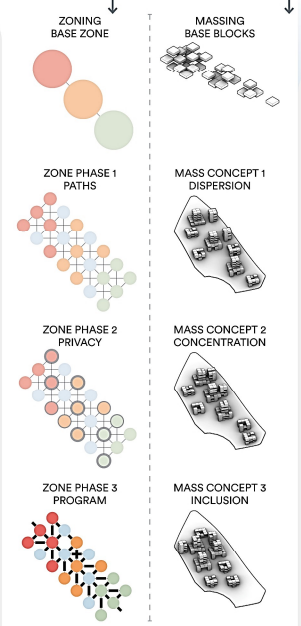
I SPACE
II FURNISH
III ENCLOSE
IV ATTACH

*FOR CELL CAPSULE CONFIGURATION

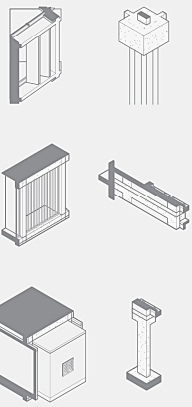
FINAL OUTPUT

USER BEHAVIOR ANALYSIS





DESIGN DEVELOPMENT



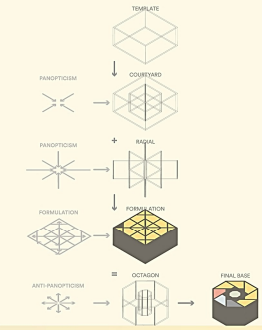
The evolution of the prison camp stems from a combination of two common layouts to form an octagonal base that contrasts the panoptic ideal by providing a central space while suggesting geometrically equal spaces and the necessary surveillance of the PDLs.

The camps' orientation corresponds to the micro site analysis done, with dormitory cells positioned towards the direction of natural ventilation, and most of the admin and staff spaces maximizing natural lighting.

Three façade systems are applied on the camps' exterior. The folding partitions, controllable from the inside, can be seen on the sides of the security, ancillary, and reformation spaces. The fixed louvers, to prevent escape and also to shade sunlight, are placed on the lower floors. For the capsules, their walls are pre-painted before attachment to display colors and extrusions that give life to the prison.

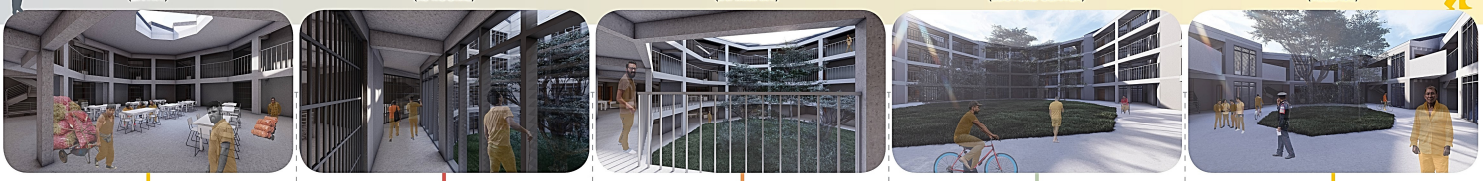
On construction, reinforced concrete columns and beams were utilized for a cheaper and simpler realization. The foundation is integrated with steel piles, given the clay soil of the site and the aggressive slope.

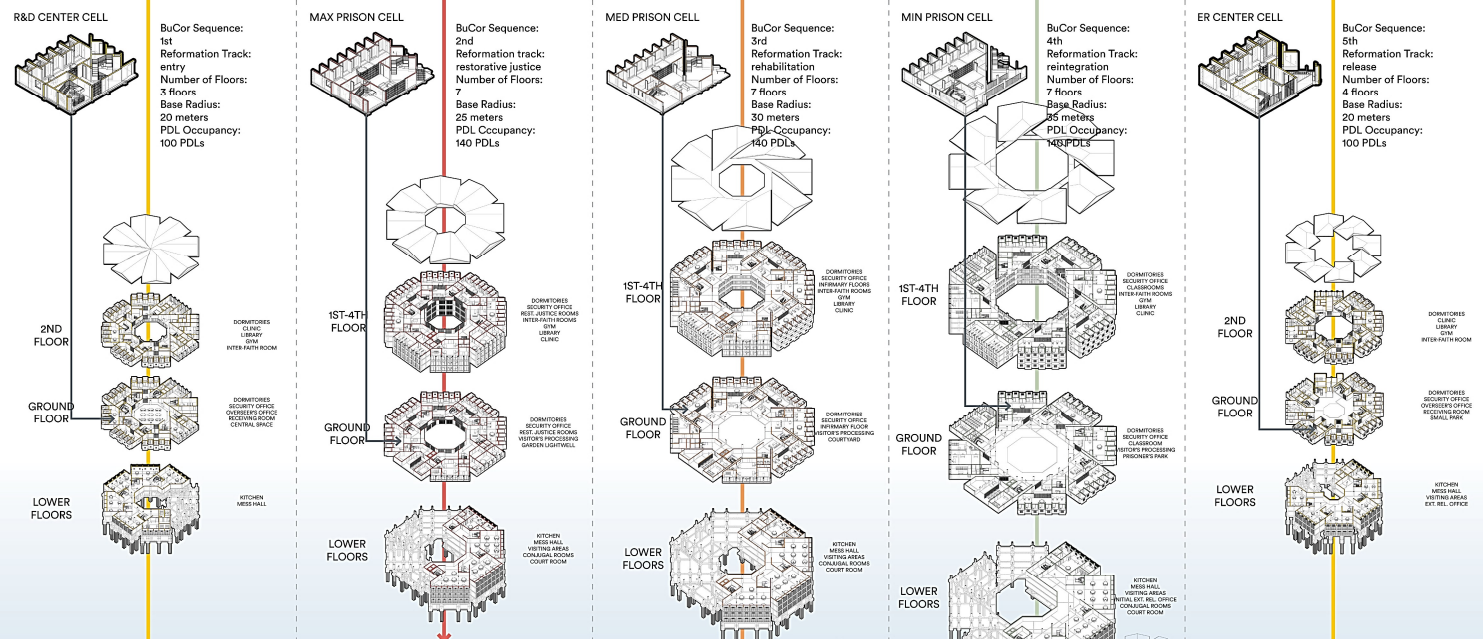
PRISON FORM



SECURITY CAMPS

RECEPTION & DIAGNOSTICS (ENTRY)
MAXIMUM SECURITY (RJ ROOMS)
MEDIUM SECURITY (INFIRMARY)
MINIMUM SECURITY (LECTURE CENTER)
EXTERNAL RELATIONS (RELEASE)





A permeation of the buildings is reflected that shows the adaptation of the architecture on the prison camps, even including other architectural details such as doors, fenestrations, and pathways. The camps adjust both in radius and connection to exhibit the incremental improvement of semi-liberty overtime until they are released back into the community.

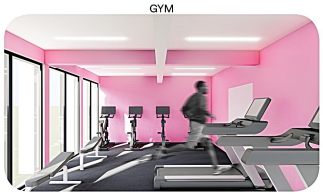
The reformation track is integrated into each of the prison camps, providing a sequential process driven by architecture through the programming of ancillary and supplementary spaces. The sequential programming, together with the eventual permeation and improvement of spaces, offer a reward system to the PDLs as they strive for better freedom and autonomy in the prison.

INTERIOR PERPSECTIVES

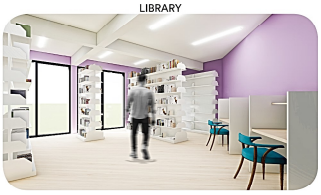
RESTORATIVE JUSTICE ROOMS

CLASSROOM

GYM

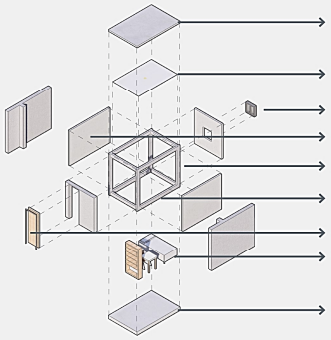


LIBRARY



INTER-FAITH ROOM

CELL CAPSULE UNITS



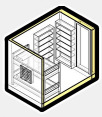
The idea of the plug-in units is rooted in Metabolism, which disappeared around the 1980s due to a failed assumption of nomadic-living and the complexity of its utilities.

The concept is revived in CONVert for prisons are genuinely nomadic as residents and users constantly change, with feasibility being more pragmatic given the straightforward utilities and connection.

Like the camps, the capsule units also expand in area and dimensions overtime. Stiffener beams and columns are utilized to ensure that the capsule units stand on their own. Precast concrete slabs are used to enclose the structure. Jalousie windows are applied for maximum natural ventilation, while a ceiling fan with light is placed with a readily available connection to the prison camp's electricity source once cpasule it attached.

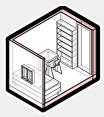
The capsule units are connected to the prison through bent-bar anchor bolts on the sides and on the front where a CHB wall is ready to receive it.

R&D CAPSULE



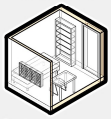
Furniture:
double-deck bed
shelving
Floor:
3 x 2 meters
Door:
0.7 x 2.1 meters
Window:
0.6 x 0.6 meters

R&D CAPSULE



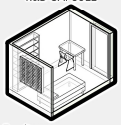
Furniture:
bed
table
shelving
Floor
3 x 2 meters
Door:
0.7 x 2.1 meters
Window:
0.6 x 0.6 meters

R&D CAPSULE



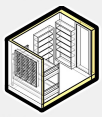
Furniture:
bed
table
shelving
Floor:
3 x 2.5 meters
Door:
0.8 x 2.1 meters
Window:
1.2 x 0.6 meters

R&D CAPSULE



Furniture:
bed
table
shelving
Floor:
3.5 x 2.5 meters
Door:
0.9 x 2.1 meters
Window:
1.2 x 1.2 meters

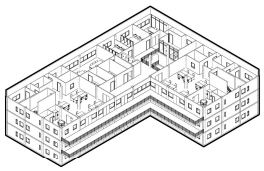
R&D CAPSULE



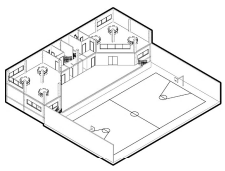
Furniture:
double-deck bed
shelving
Floor:
3 x 2 meters
Door:
0.9 x 2.1 meters
Window:
1.2 x 1.2 meters

ANCILLARY BUILDINGS OF THE PRISON COMPLEX

1 ADMINISTRATIVE BUILDING

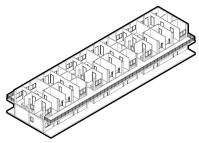


2 MULTIPURPOSE HALLS

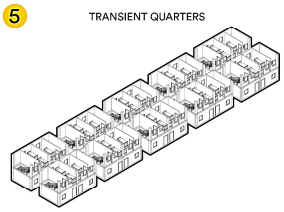


3 CO QUARTERS

4 NCO QUARTERS



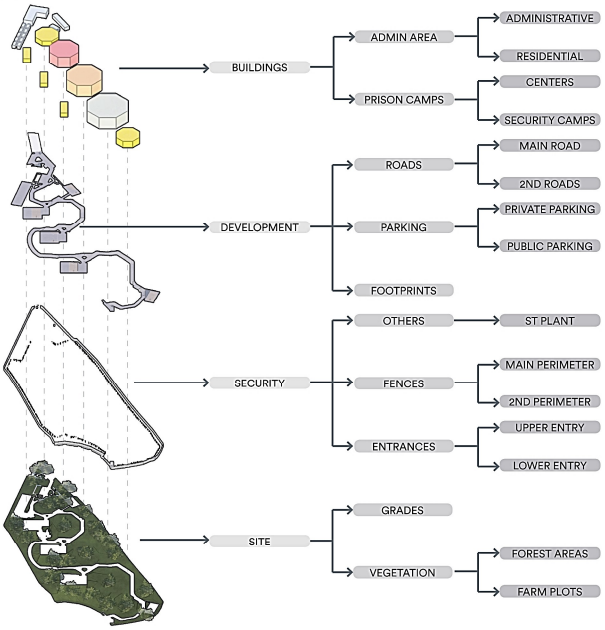
5 TRANSIENT QUARTERS



6 GUARDHOUSES

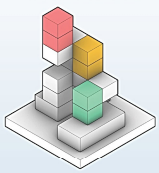
7 SEWAGE TREATMENT PLANT

SITE DETAILS

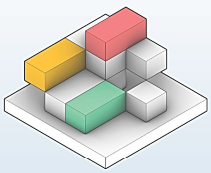


REFORMATION PROJECTIONS

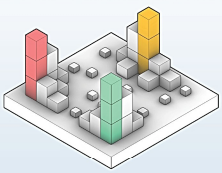
HIGH-RISE BUILDINGS



LONGITUDINAL STRUCTURES

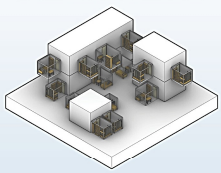


MICRO APPLICATIONS IN MACRO CONTEXTS

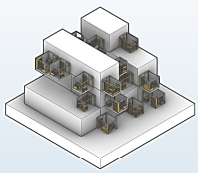


CELL CAPSULE APPLICATIONS

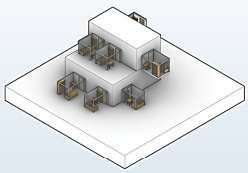
INFORMAL SETTLER COMMUNITIES

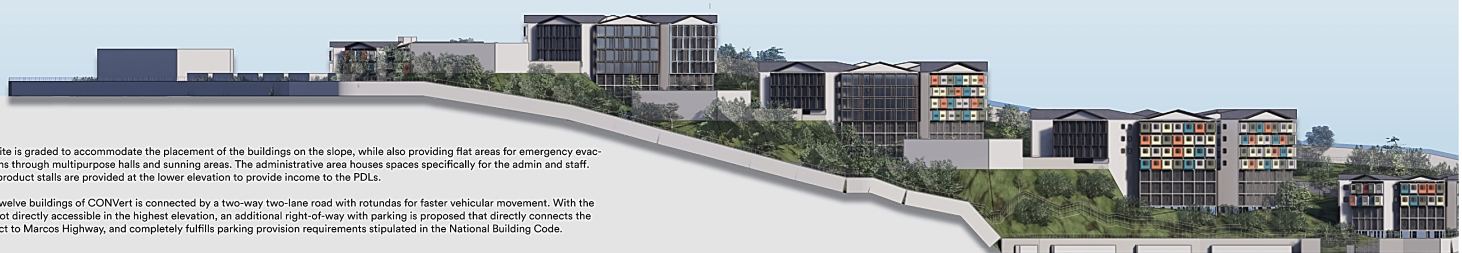


SOCIALIZED HOUSING



AFFORDABLE RESIDENTIALS





The site is graded to accommodate the placement of the buildings on the slope, while also providing flat areas for emergency evacuations through multipurpose halls and sunning areas. The administrative area houses spaces specifically for the admin and staff. PDL product stalls are provided at the lower elevation to provide income to the PDLs.

The twelve buildings of CONVert is connected by a two-way two-lane road with rotundas for faster vehicular movement. With the site not directly accessible in the highest elevation, an additional right-of-way with parking is proposed that directly connects the project to Marcos Highway, and completely fulfills parking provision requirements stipulated in the National Building Code.