-GREEN CAVE-DESIGN SOLUTION FOR LARGE FLOW OF USERS

The design solution of 'Green Cave' focus on distributing users and visitors at the entrance level. High rise building often has issue with the long queuing to taking the elevator, with the situation of having a school rise vertically, it would had make the case much tougher. Green Cave was designed to optimize the population flow by merging supportive columns and vertical transfer (elevator) together. The outcome was a design that distributed four elevators equally throughout the building plans. Each of the four elevator has their own floor purpose, this will enhance the productivity by having similar purpose groups of people taking the same elevator, while also stopping fewer floors. Moreover, with a two floors of entrance spacing, designed specifically to deal with the large flow of individuals, Green Cave provide an design solution in solving the unproductivity of long queuing.

The building facade is covered by diamond shaped glass planes. What the design propose is to tell the audiences, Architecture isn't only about form and shapes, but also a well facade design, importantly, it able to maintain low construction cost by repetition.

Public Elevator Higher floors Public Elevator (Lower Floors) -1,0-3 0,4-8 & Profession 0,4,5,8 To High School (3 Elevators) 1,8-14 Elevator Stopping Floor Plan Typical Floor (1F) with site boundry

Student library/ Learning Resource Center/ Activity Rooms __ Class Rooms- For Basic/ Science/ Language/ Computer/ Architecture/ Out-of School Time Youth Programes/ Lockers Dining Center/ Culinary Department/ Urban Garden

Out-of School Time Youth Programes Learning Spaces/ CAF Learning Space -

Administration- For High School Student and Staff/ Youth Programs/ CTBUH Program/ CAF

Tall Building Library/ Lounge & Resource Center ____

Exhibit Spaces- Chicago Model/ CAF& CTBUH Skyscraper Exhibit/ Temporary exhibitions and Support Spaces

Gallery Space/ Stairs to Exhibit Spaces/ Elevators to High School \

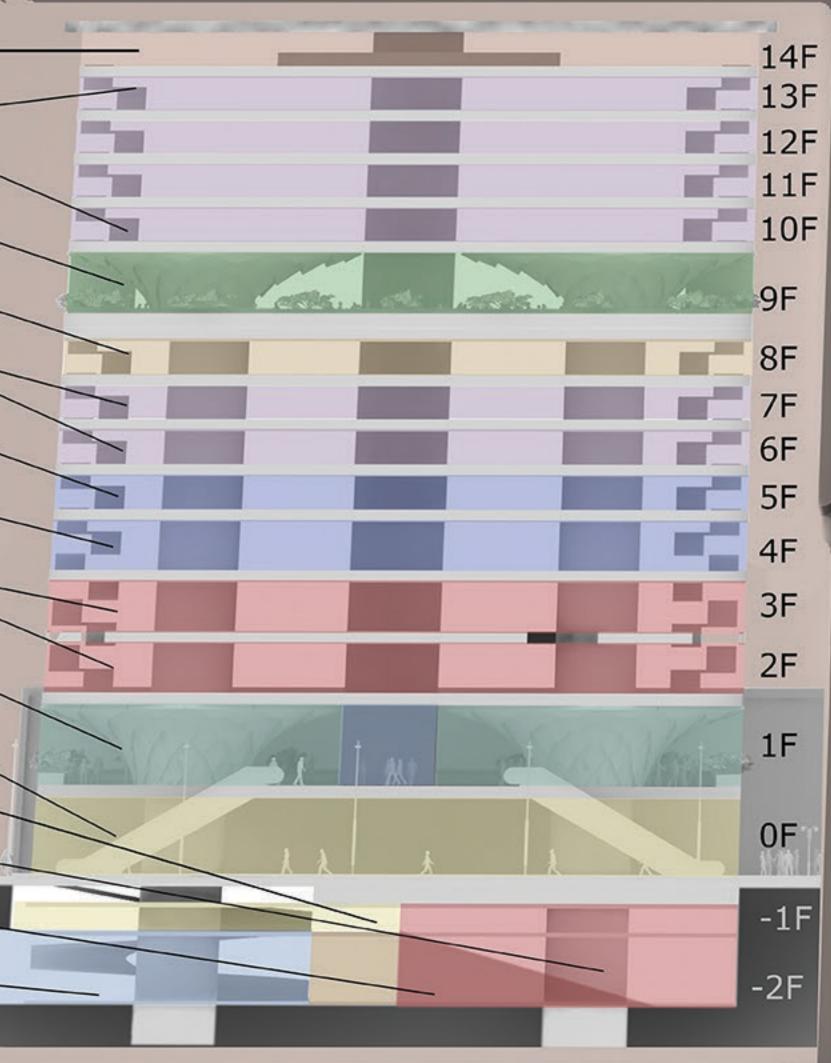
Public Spaces- Retail/ Cafe/ Tour Staging/ Event Space \

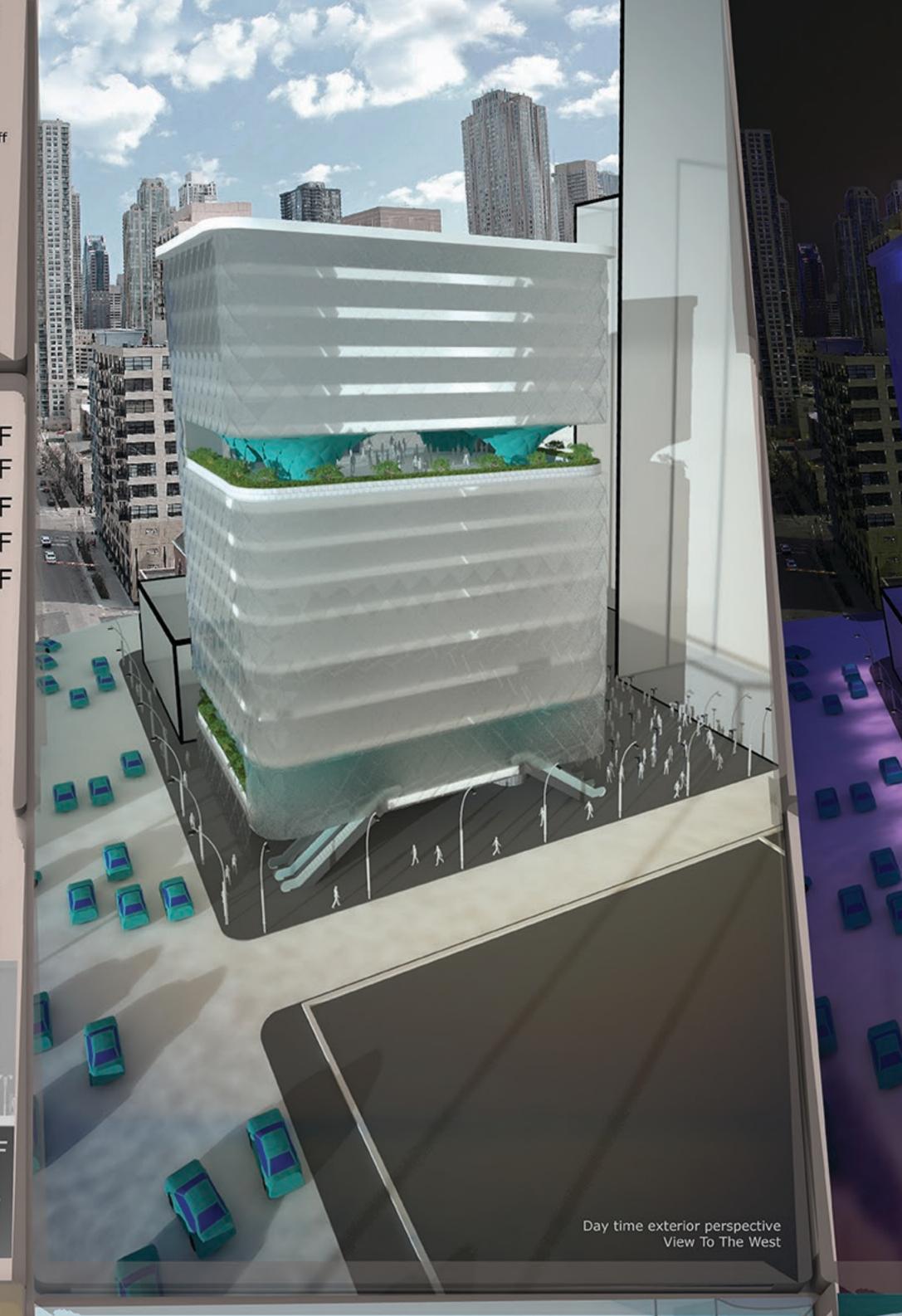
Public Space- Box Office/ Public Toilet~

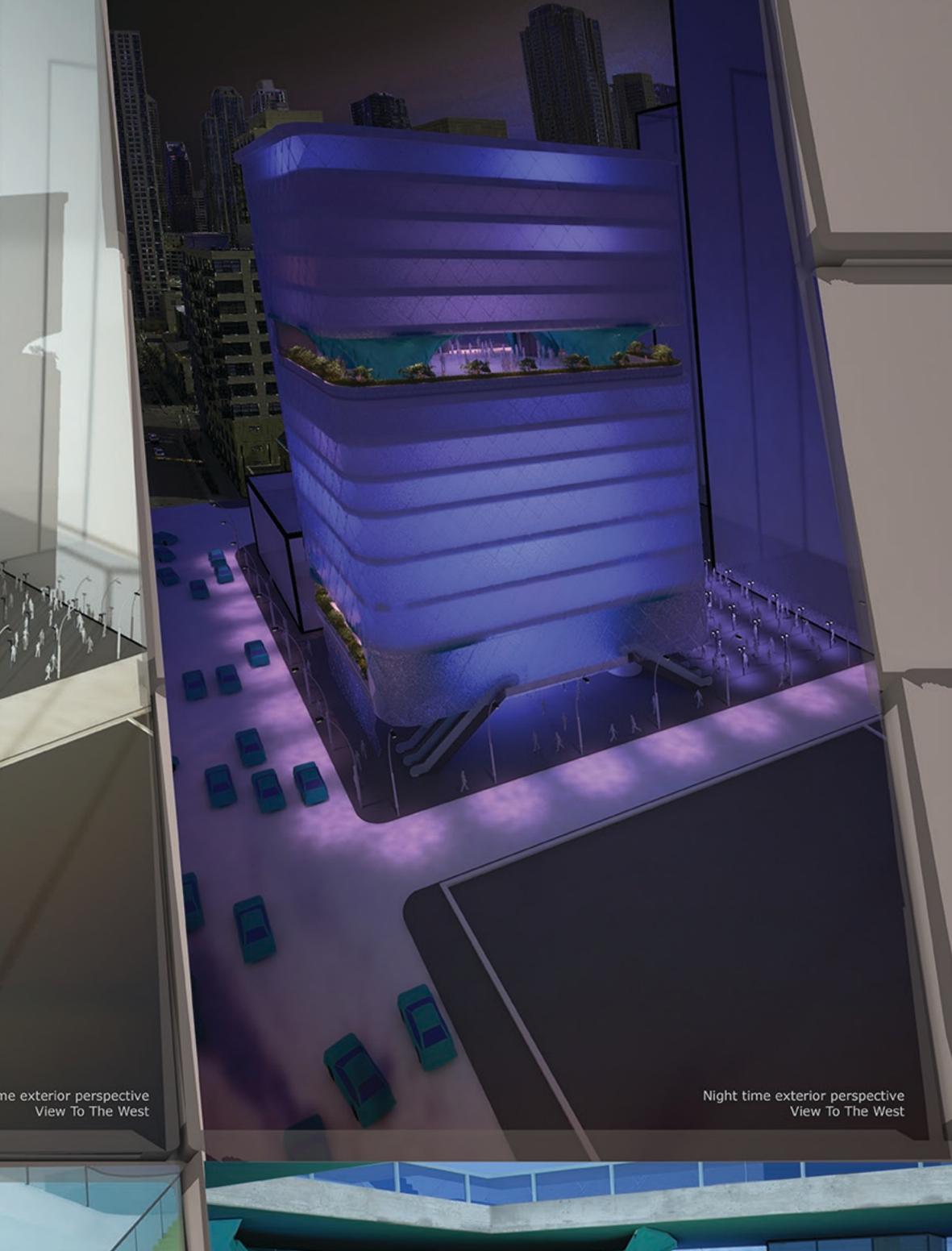
Theater/ Performance Space —

Backstage -

Shipping& Receiving/ Storage/ Security -











Ground Floor Entrance

Visitors will find a help reception desk at first glance of the entrance. This is important when each corner elevators are design specific for different floor.

First Floor Entrance

way towards the elevators. While Visitors take the stairs to the exhibition

Eighth Floor Gymnasium

The Column of elevators stops at lower level, but the column facade was kept to maintain consistence design.