

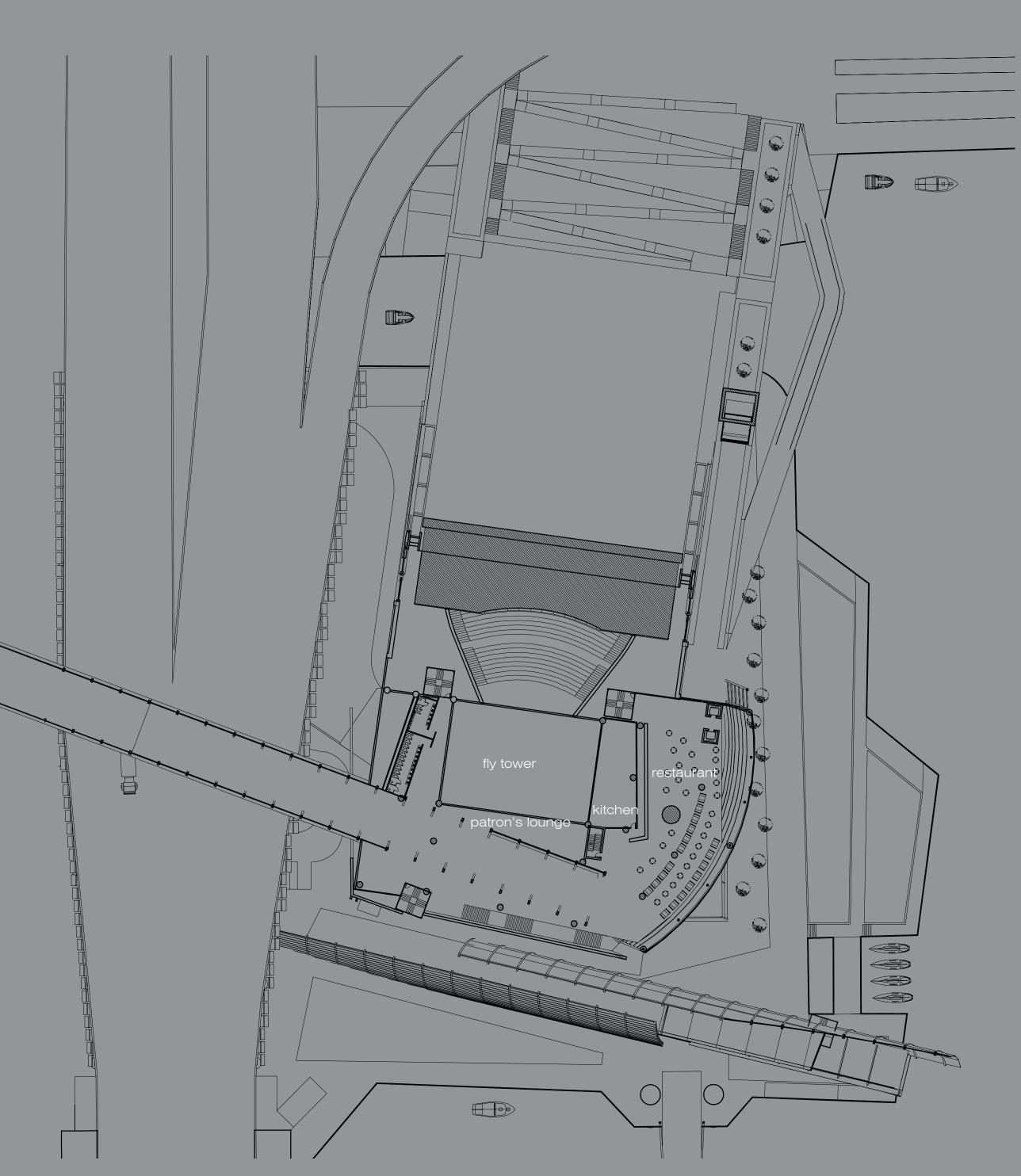
second floor theater



typical hotel/dorm units

dorm scenerio w/practice room

hotel sceneric



third floor theater



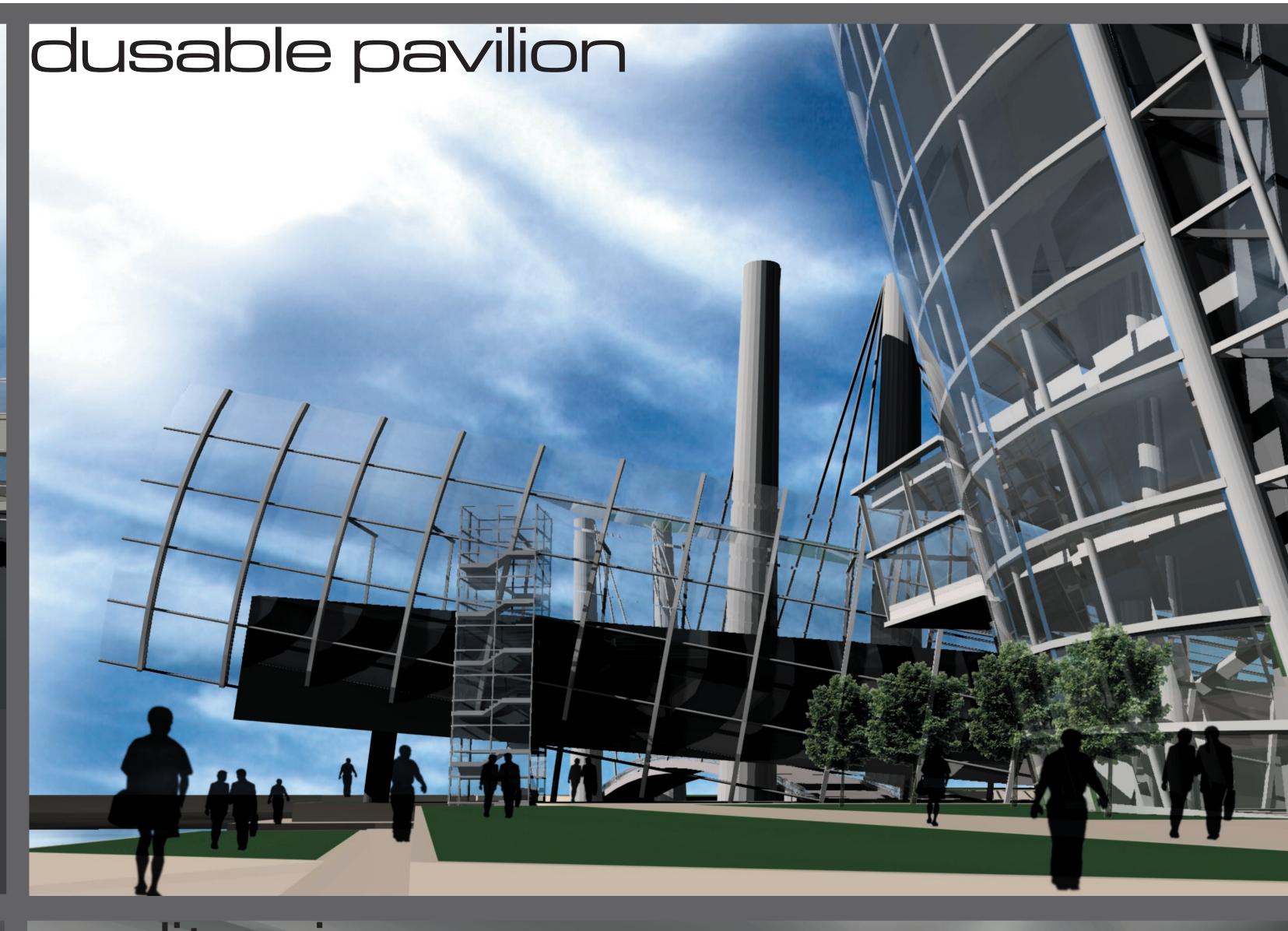
Imagine a performing arts community soaring into the sky overlooking the beautiful Lake Michigan outside the heart of downtown Chicago. The DuSable Tricademy for Artistic Expression is to be a contemporary public realm which connects the currently broken lakefront park system. The reason for the current disconnection among the parks is because of the condition of DuSable Park (proposed site) and its lack of access. The elevated Lake Shore Drive runs through the peninsula, allowing no access for pedestrians and bicyclists to cross the river from the site. The site has been run down for many years due to issues of soil contamination. Since it is zoned to be used as public green space, remediation of the soil has been a challenge. My solution argues that a public built environment can successfully reinforce the park system with sufficient public amenities and roof-top parks.

The site on which the DuSable Tricademy for Artistic Expression will be placed consists of two halves. The half towards the west of Lake Shore Drive will contain condos, retail, a student center, dorms and hotels. To the east of Lake Shore Drive will be the main public spaces including a theater, observation tower/open-air market, and a memorial pavilion commemorating Jean Baptiste Pointe DuSable, the first settler to Chicago in 1779.

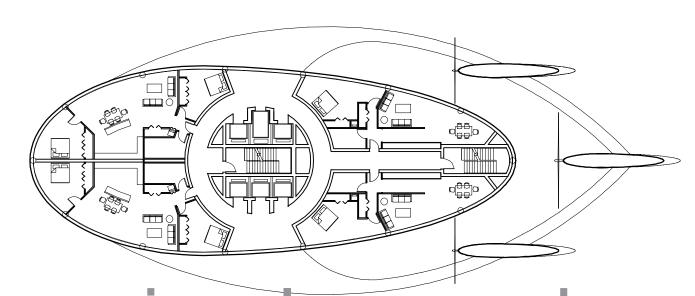
To continue the link between Olive Park to the north and Grant Park to the south, I have proposed a theater with an expansive green roof that spans Ogden Slip to meet the bike and pedestrian paths on the other side. Kinetic pedestrian bridges have also been incorporated into the design for a direct path along the lakefront, and to cater to bicyclists. Visitors to the site will use the roof to bathe in the sun and await entry into the observation tower which, like a ballet dancer, leaps toward the sky. If there is to be a summer festival or outdoor concert, the green roof folds down and transforms from an auditorium inside to an outdoor band shell complete with a grassy lawn for seating. The auditorium seating inside is able to fold flat by means of hydraulics. Therefore, the theater has the ability to transform from an auditorium into an exhibition space for a multitude of public or private events.





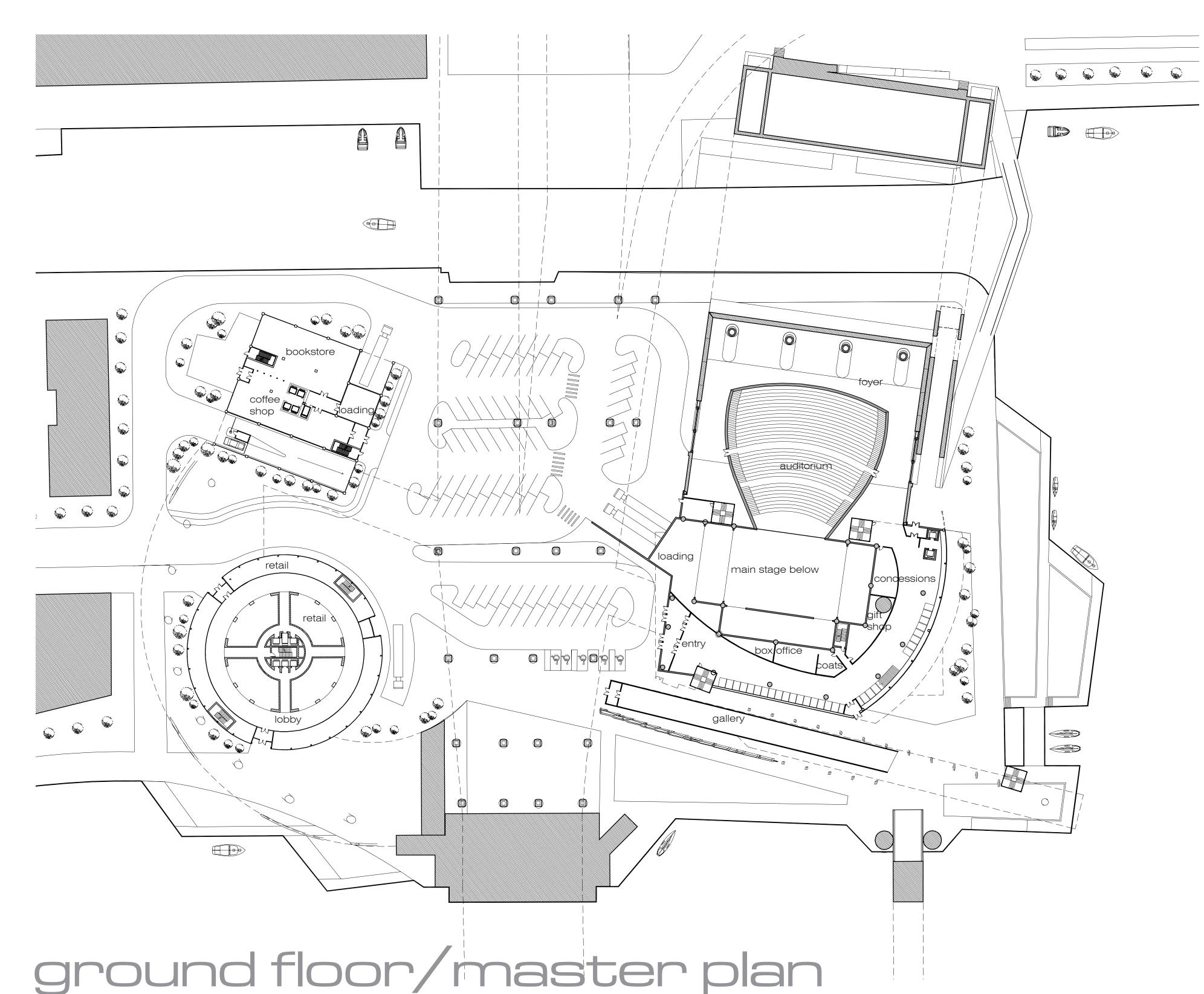






typical condo units

residential: 1/32"=1' of contract of the ater: 1"=50'-0"



This thesis focuses on kinetic architecture as it corresponds to a performing arts community. Today's society is one of constant change and innovation. With such accelerating trends in technology and culture, there is a need to satisfy our dynamically changing society. Kinetic architecture is architecture capable of movement, whether it is displaceable, deformable, expandable, or disposable. This thesis explores a community for living, learning, and performing, but in a way in which spaces change and move for the sake of function, form, and/or visual

pleasure.

Like the auditorium that transforms into an outdoor band shell, student dorms located to the west of the theater have the ability to transform into hotel rooms. During the summer months, when it is prime tourist season, the units will convert into hotels to accommodate the influx of guests visiting the shows at the theater or other local events. In the winter, when classes are in effect, students will occupy the spaces as dorm units. Dorms at the DuSable Tricademy for Artistic Expression are unlike any others, however, because students each have the option of having a dorm unit with a sound-proof practice room for rehearsing music or skits, or one that transforms to provide an outdoor terrace. College students are avid consumers with a taste for luxury, and campus life within the urban realm of Chicago is jam-packed with wonderful amenities.

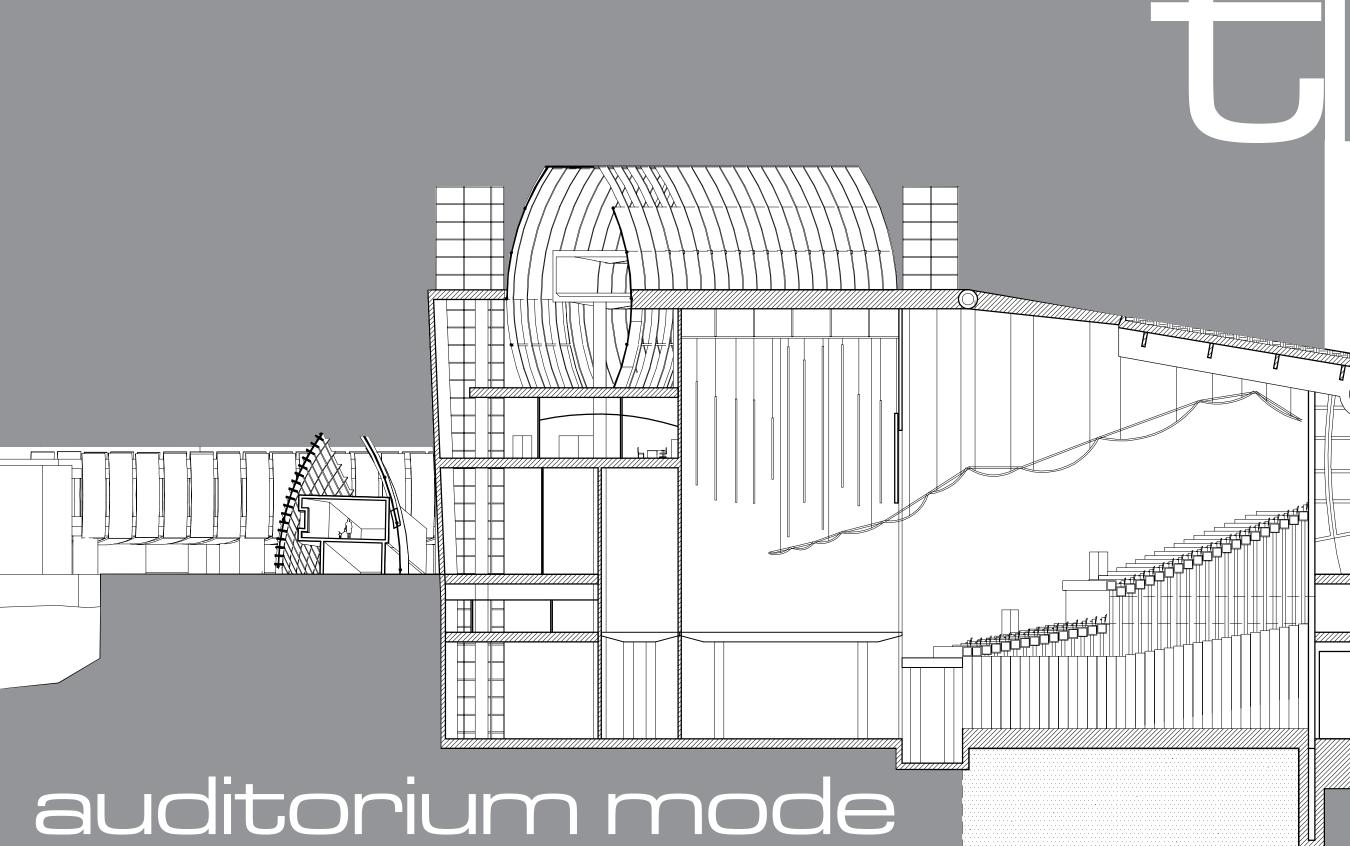
Of great amenity is the view from the luxury condo high rise. The residents living in the tower will have constantly changing views because the tower actually rotates in the wind. One morning you may wake up to the sunrise reflecting on the waters of Lake Michigan and that evening, view the sun set behind Chicago's magnificent skyline. Not only does a rotating tower provide a lifestyle of constant change, but also facilitates wind into turbines mounted at the back of the tower where wings

mounted at the back of the tower where wings help turn the tower into the direction of the wind. Likewise, lateral wind loads are reduced due to a smaller surface area always facing the wind.









lake michigan

chicago locks

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exhibition mode

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dusable tricademy for

an application of *kinetic* architectural désign for a performing arts community in Chicagolline