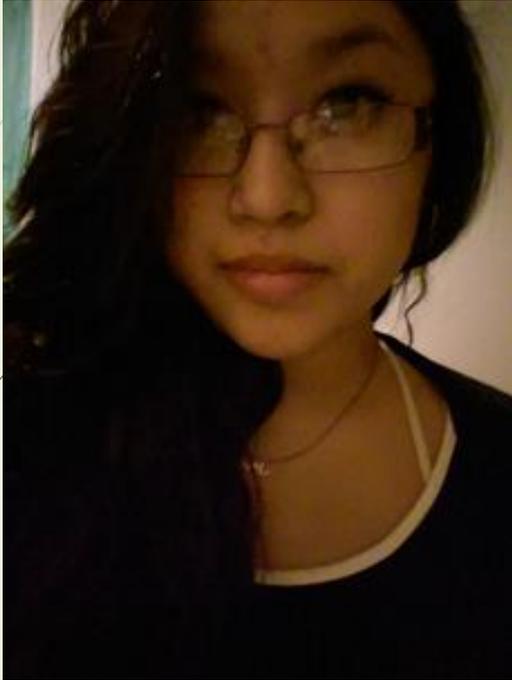


Jay Street Heath Club



Yocelyne Portillo

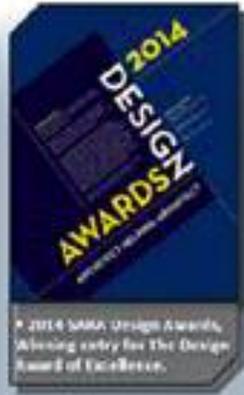


Laurin Moseley



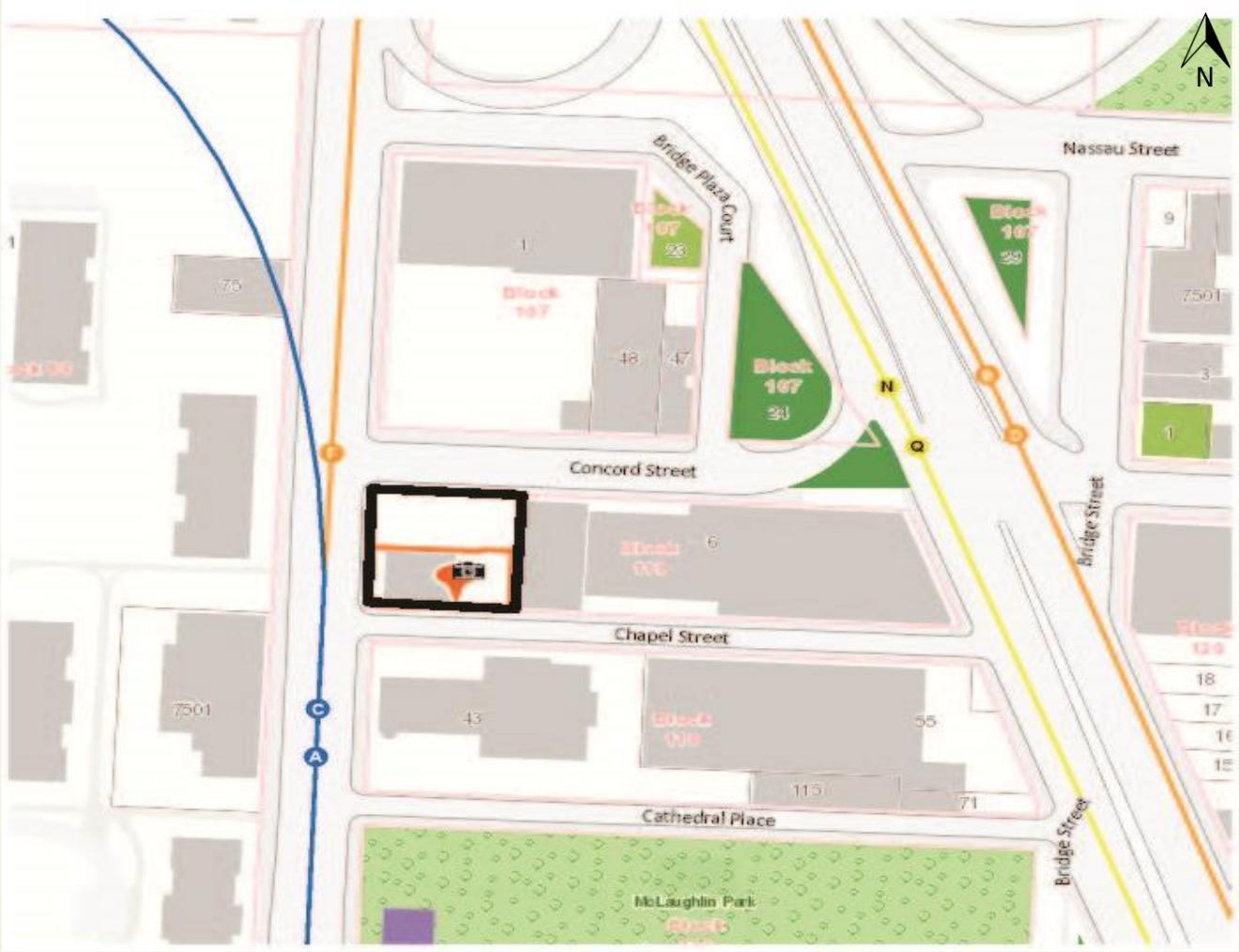
Taisha-Laure Rosemond

THE JAY STREET HEALTH CLUB



© Emerald Systematic Company
New York City College of Architecture
ARCH 2010 - Design 4
Fall 2013
Professor Vassilios Miller

Site

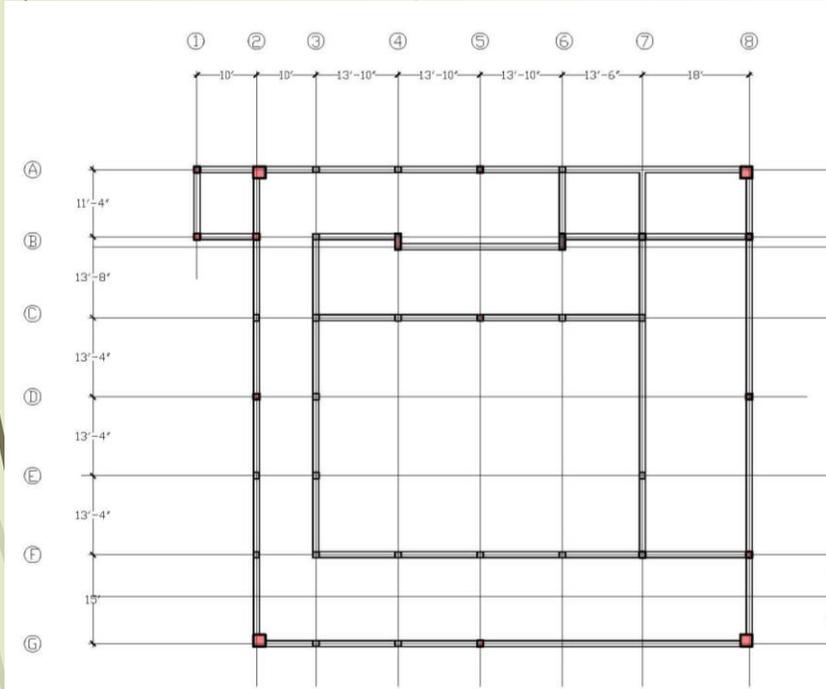


Views

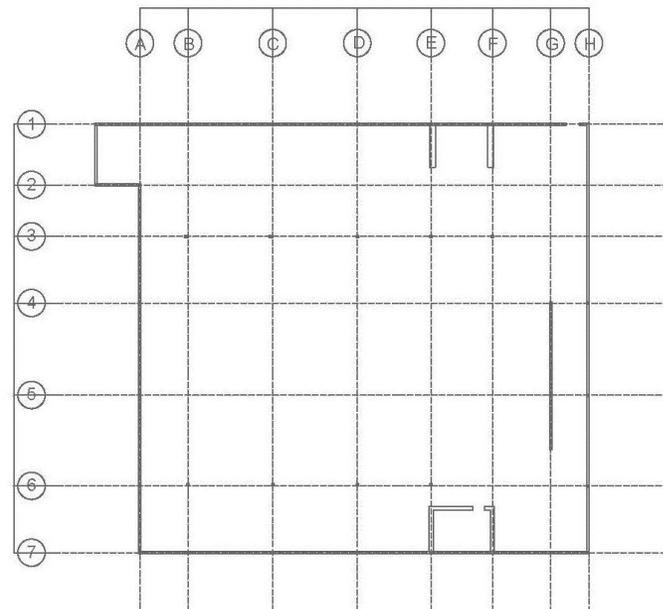


Structure

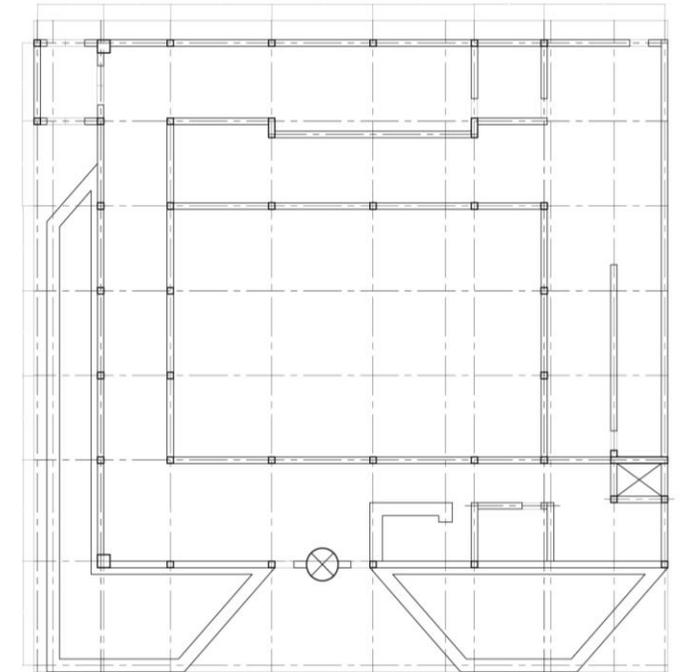
Laurin



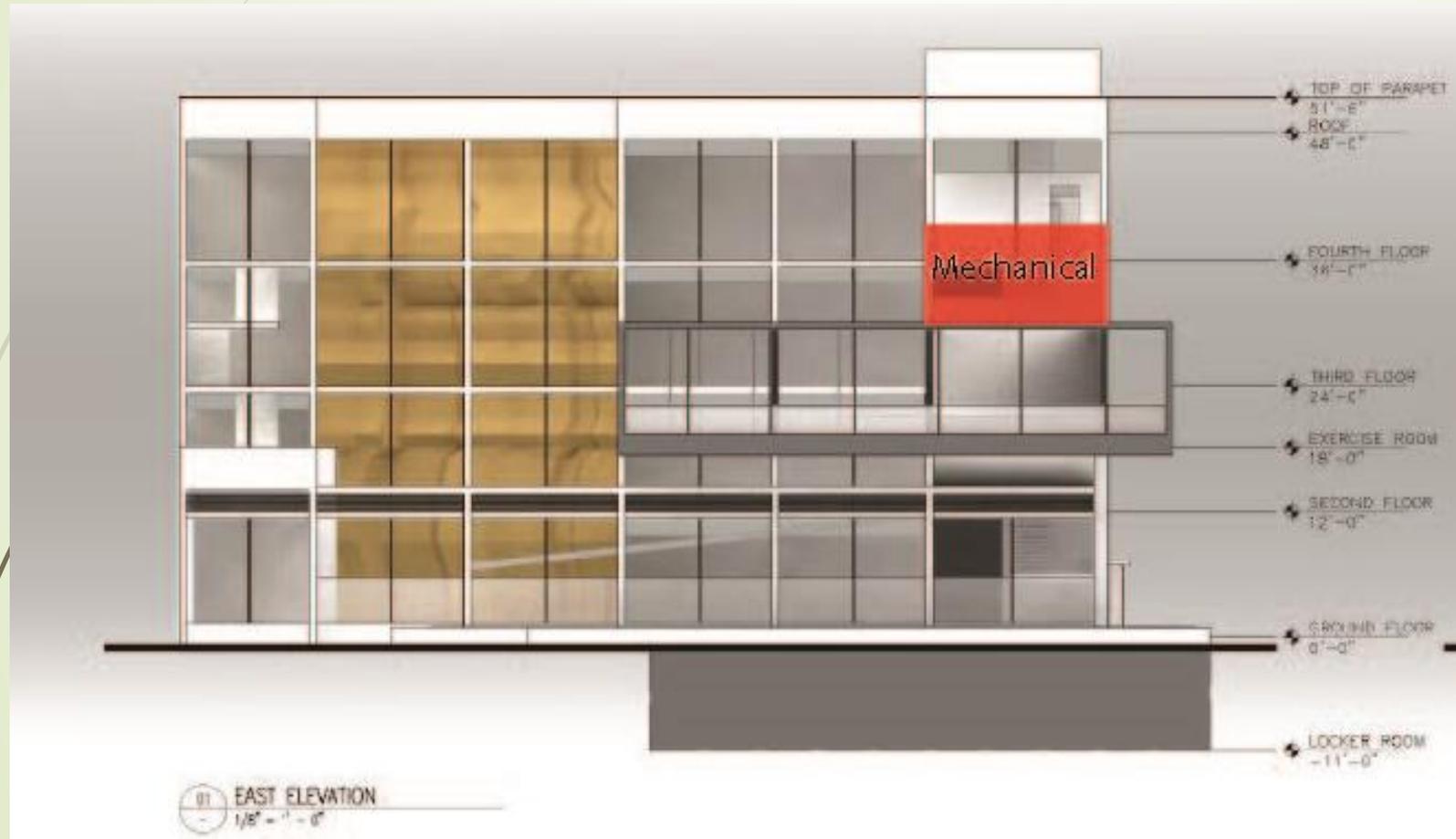
Taisha



Yocelyne

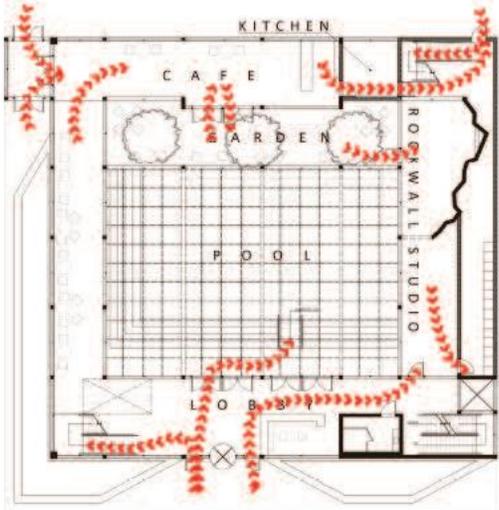


Mechanical System

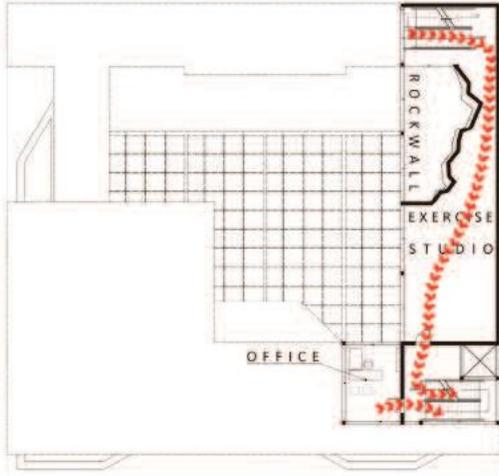


The Mechanical room will be located above the 2.5 floor on the building. The duct work will be distributed horizontally and upwards to the 3rd and 4th floors. It will also be distributed downwards to the 1st, 2nd and 2.5 floors of the building.

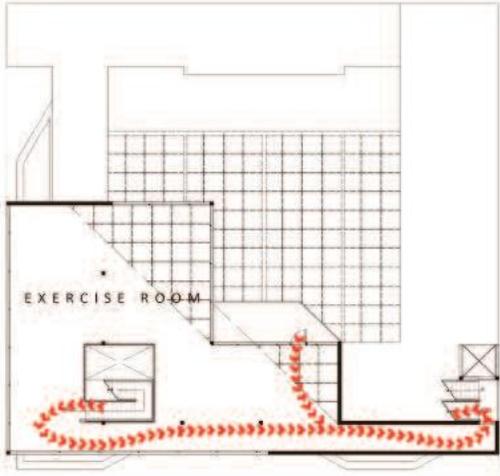
Circulation & Egress



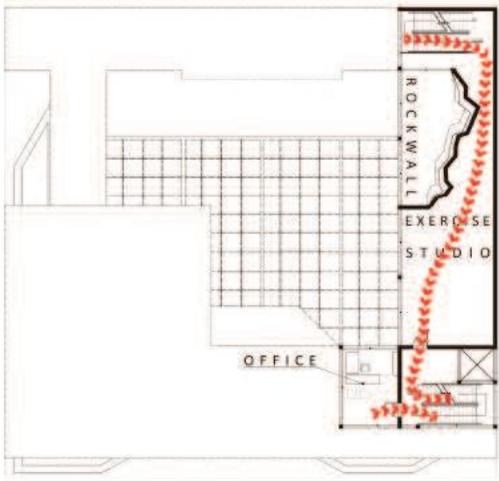
GROUND FLOOR PLAN



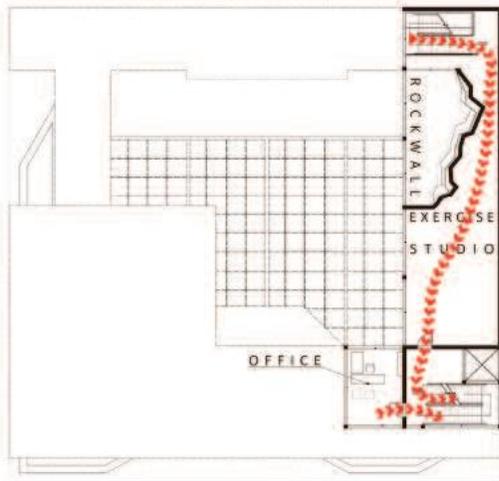
2nd FLOOR PLAN



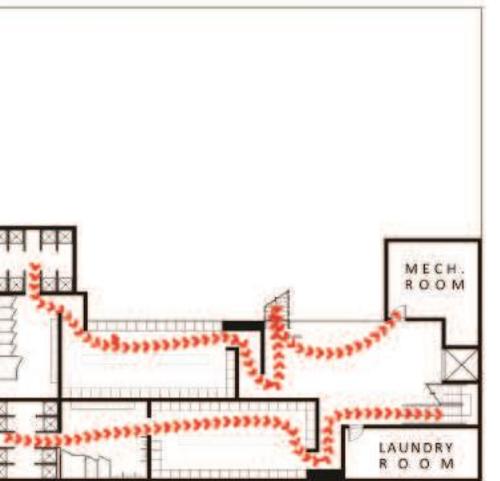
2.2 EXERCISE ROOM



3rd FLOOR PLAN



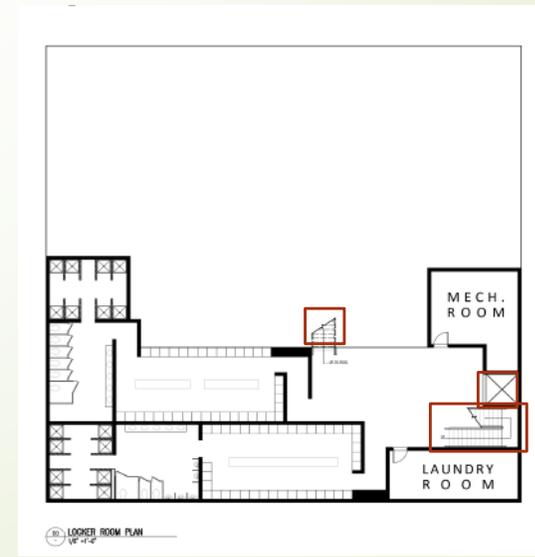
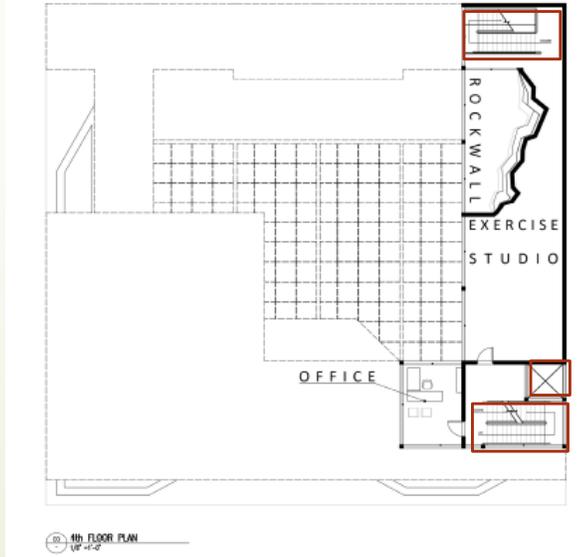
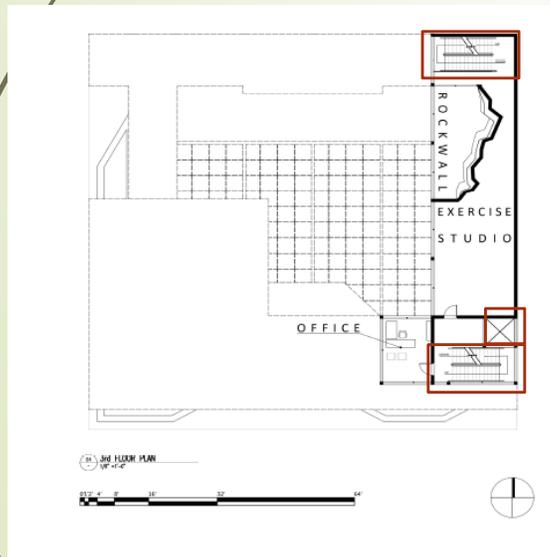
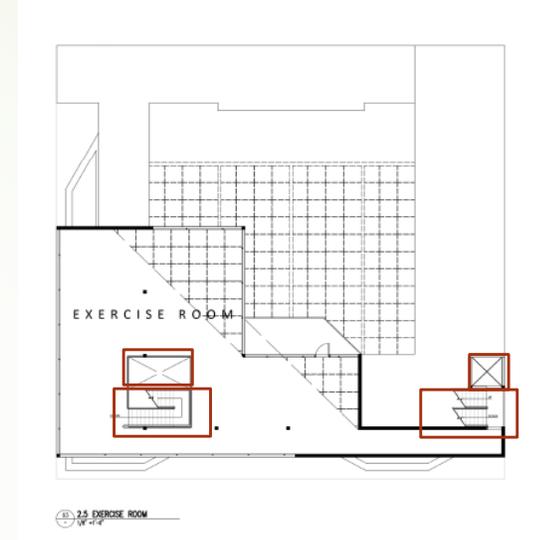
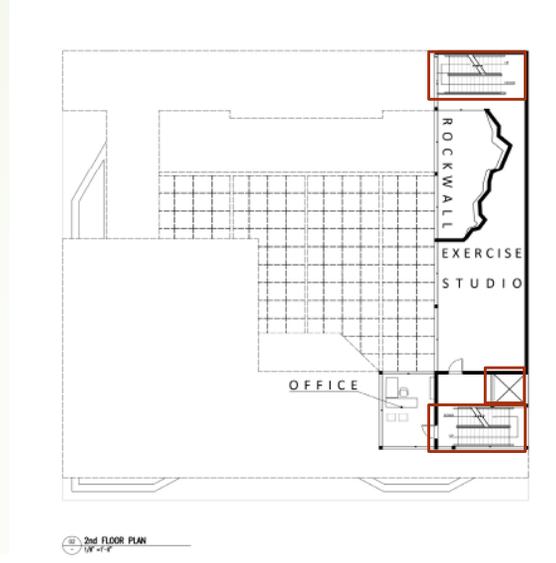
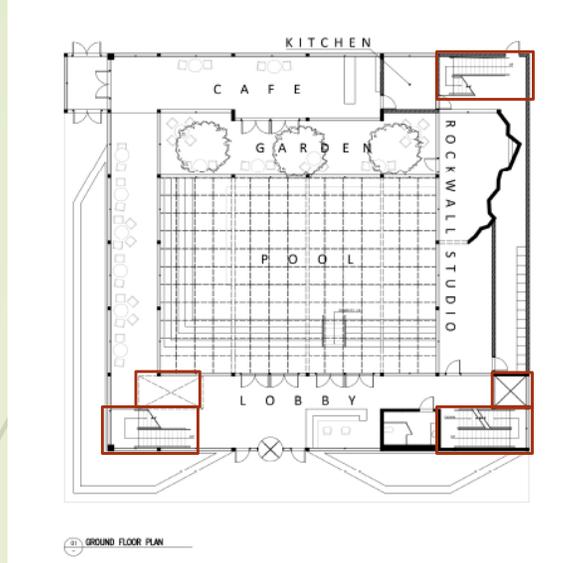
4th FLOOR PLAN



LOCKER ROOM PLAN



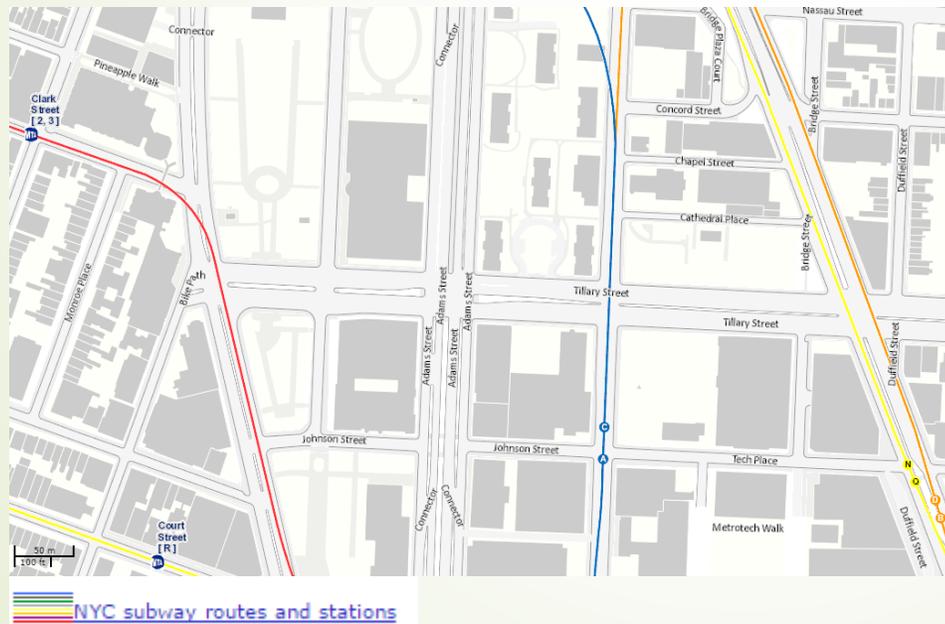
Circulation & Egress



Circulation

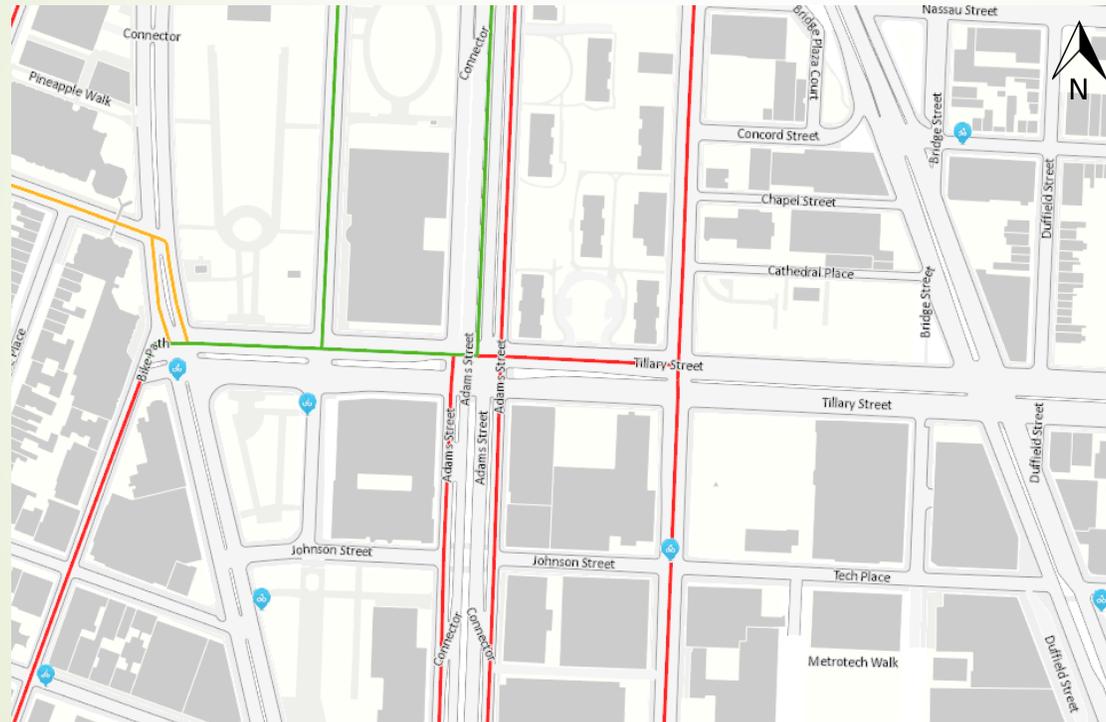
Transportation Types:

Transportation to and from the site includes the subway system, bike routes, buses, by car and by walking.



Circulation

Transportation Types:



- NYC bike routes**
- Greenway / Multi-use
 - On-street striped lane
 - On-street signed route
 - Striped & Signed
 - Striped w/ Auto Free Hours
 - Link
 - CitiBike kiosk

Site Surroundings (Land Use)

Adjacent Building Types:

The project site is located on commercial land but is also surrounded by land used for institutions by Chapel Street, mostly Multi-Family or 1 & 2 Family Residential land on Tillary Street and Concord Street. There is a couple of vacant lots up on Bridge Street, as well as open space & outdoor recreation near Cathedral Place.



Massing



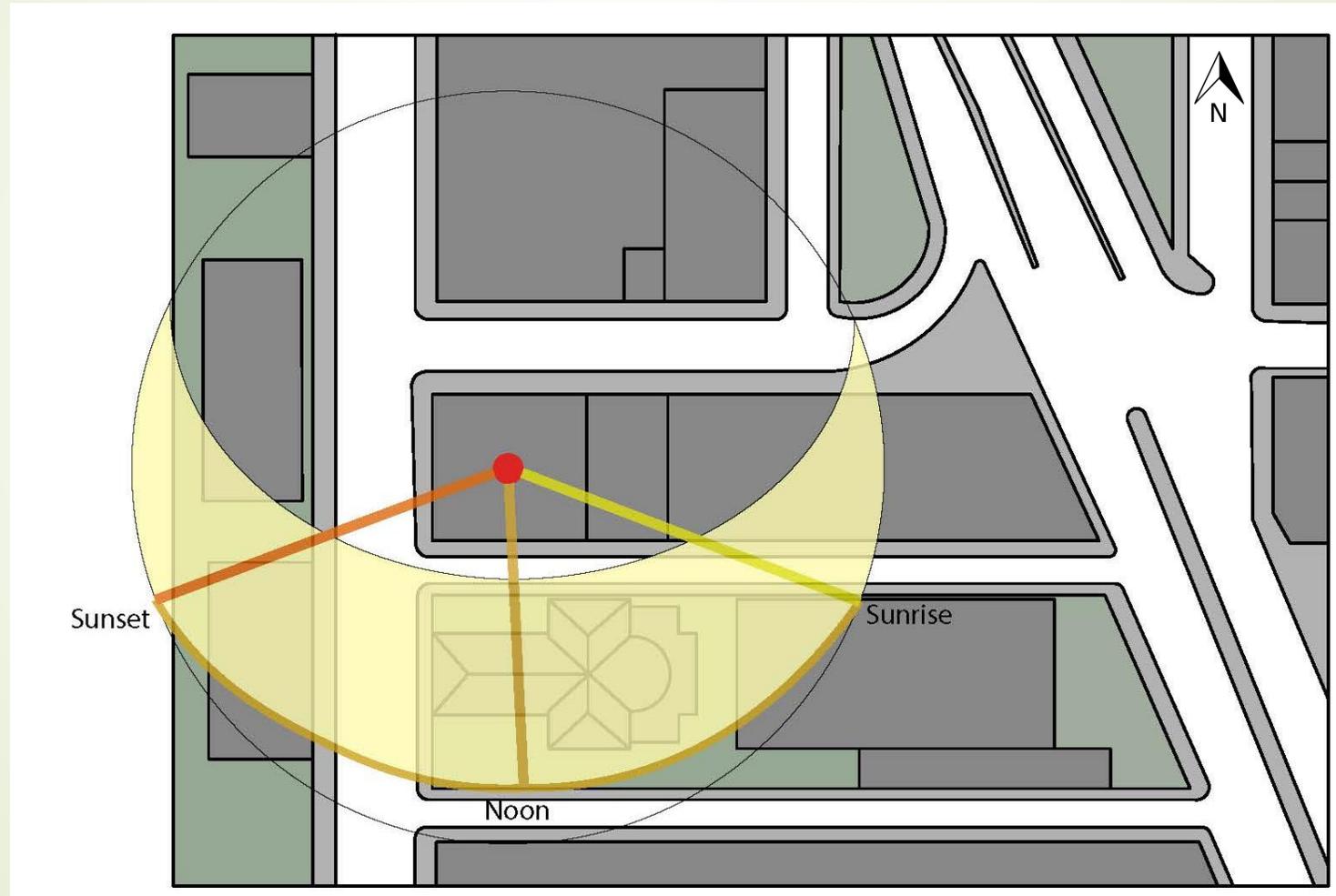


Vibration



- ▶ Contact with a vibrating machine transfers vibration energy to a person's body, such as tractors, and other heavy machine from the construction site up ahead, and trains.
- ▶ A car or car's engine may vibrate because of the motor.
- ▶ When a car is stopped at a red light or turned on in park, a noticeable vibration may occur.

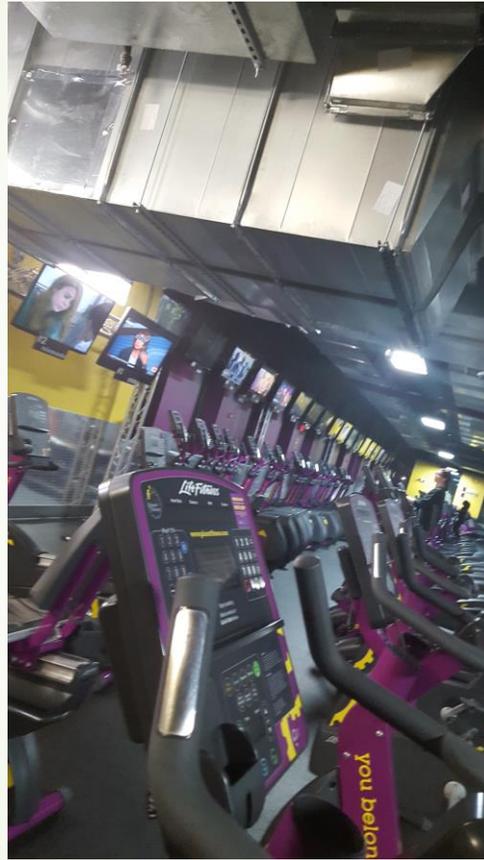
Sun Diagram



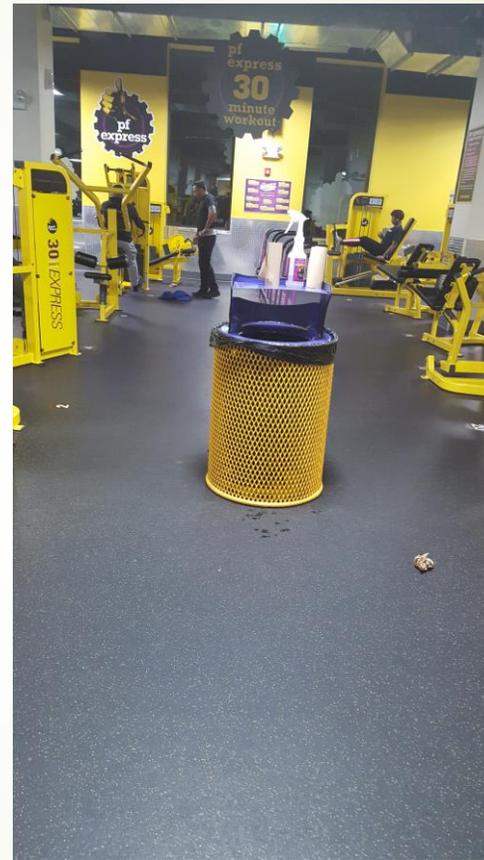
Precedent Study: Planet Fitness



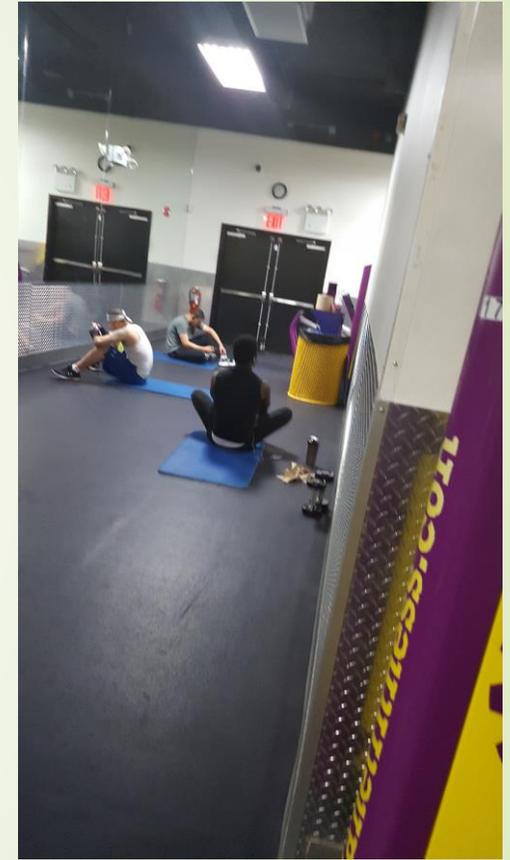
Information desk as soon as you walk in with elevator to the left and stairs leading to the gym above.



Dozens of equipment laid out in a linear form, most facing and connected to TVs for entertainment. Square mechanical ducts are visible.



Theme: Yellow black and purple walls with with aluminum diamond plate at base

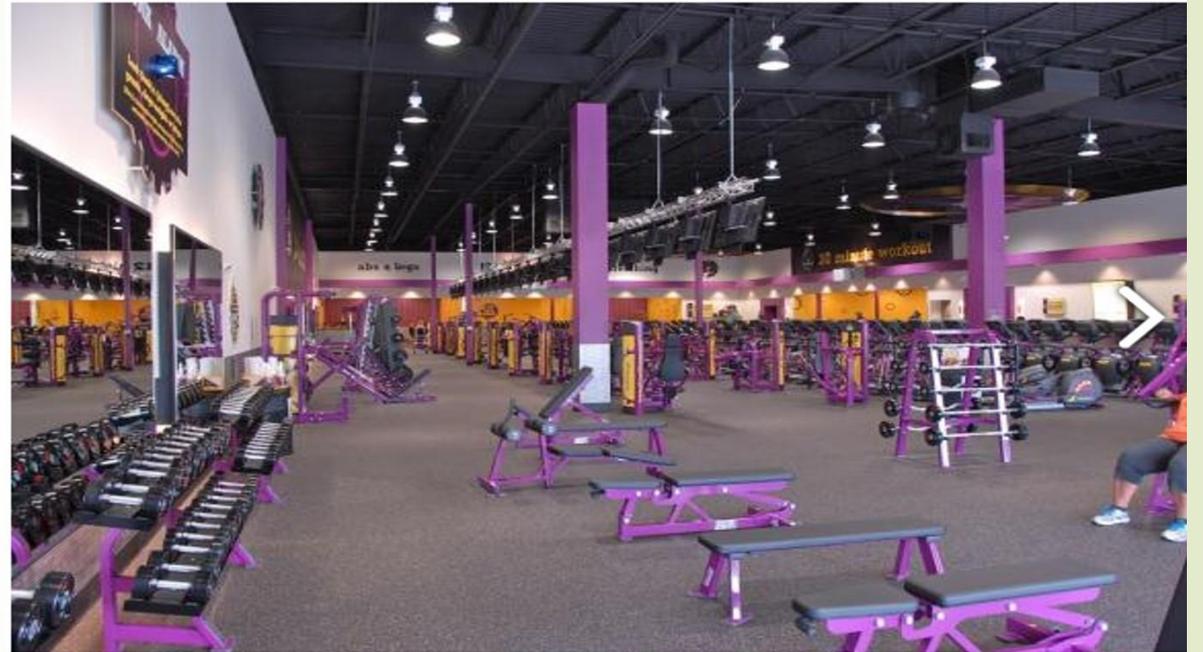


Two fire exits, one at main entrance and one at the back.

Precedent Study

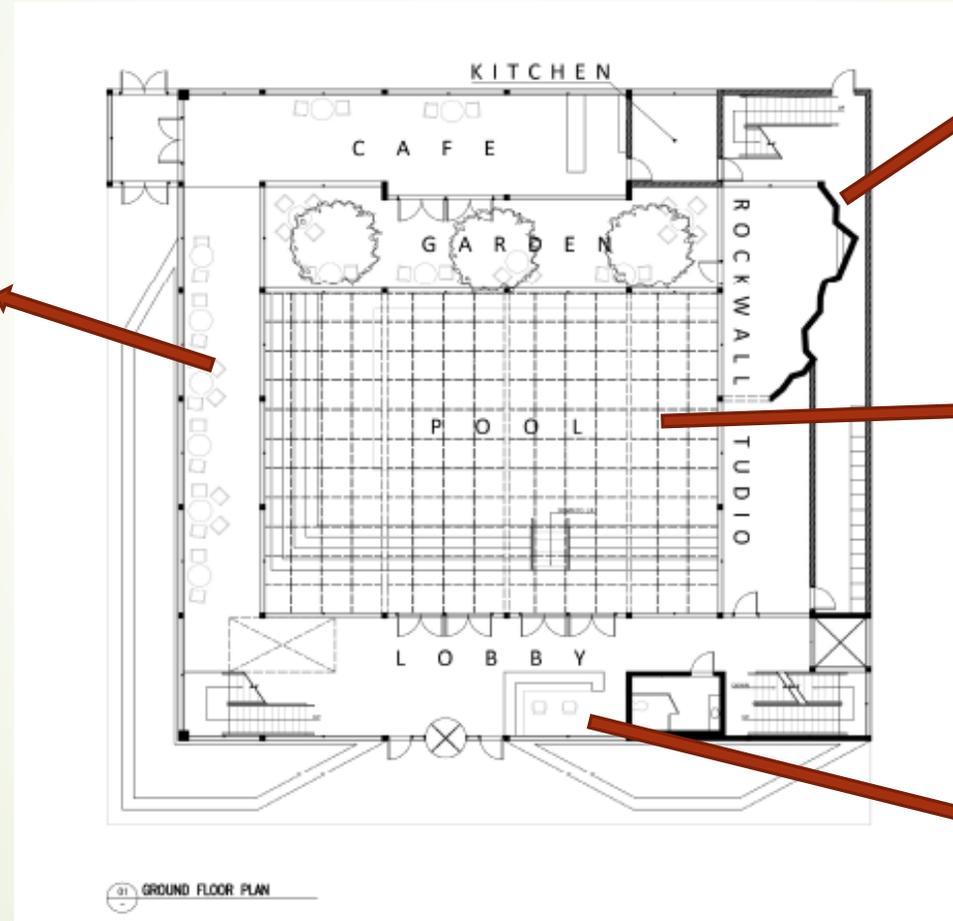


Circular mechanical ducts – more aesthetically pleasing

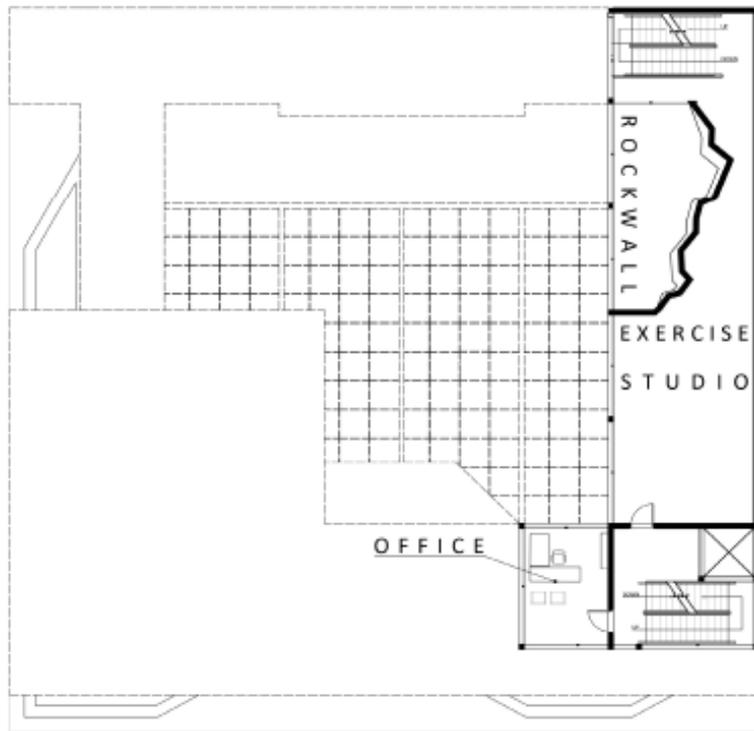


Square mechanical ducts painted black to blend in with the black ceiling

Program: 1st Floor



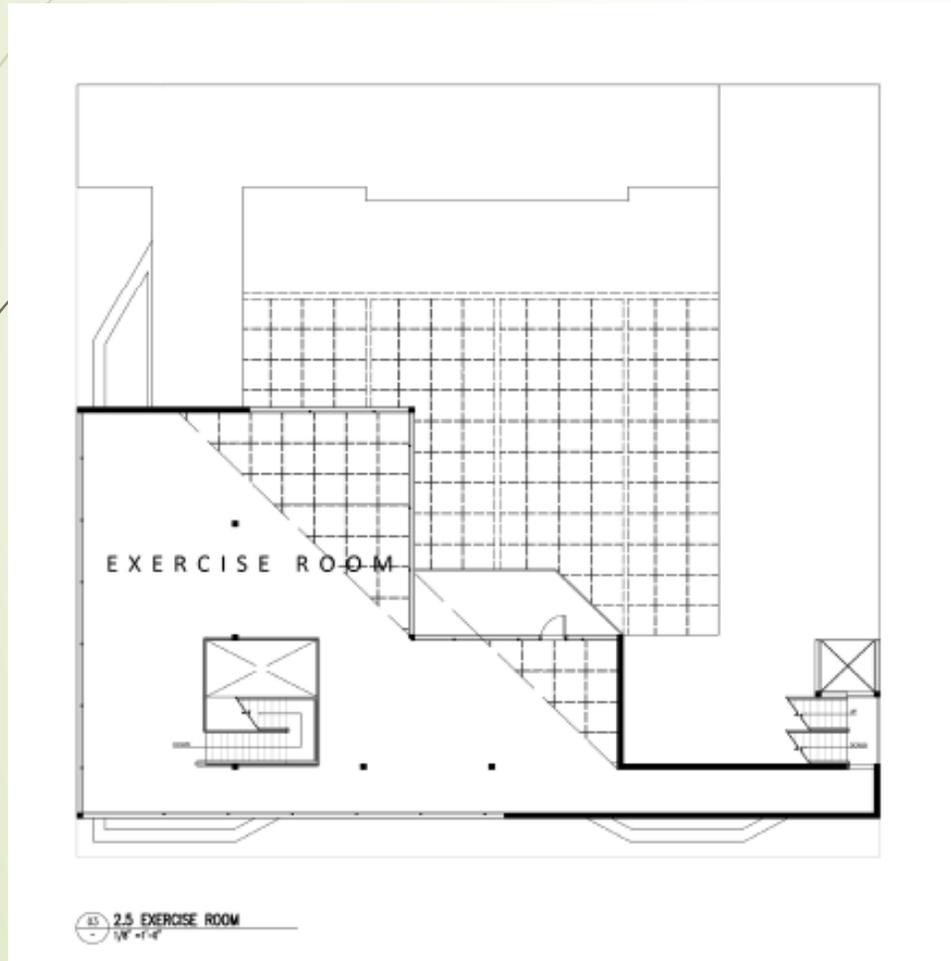
Program: 2nd Floor



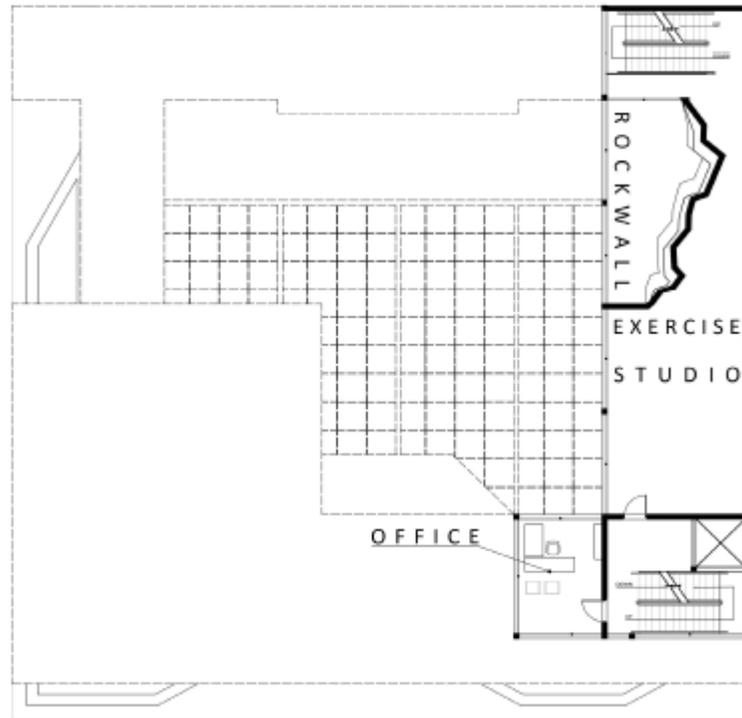
02 2nd FLOOR PLAN
1/4" = 1'-0"



Program: 2.5 Floor



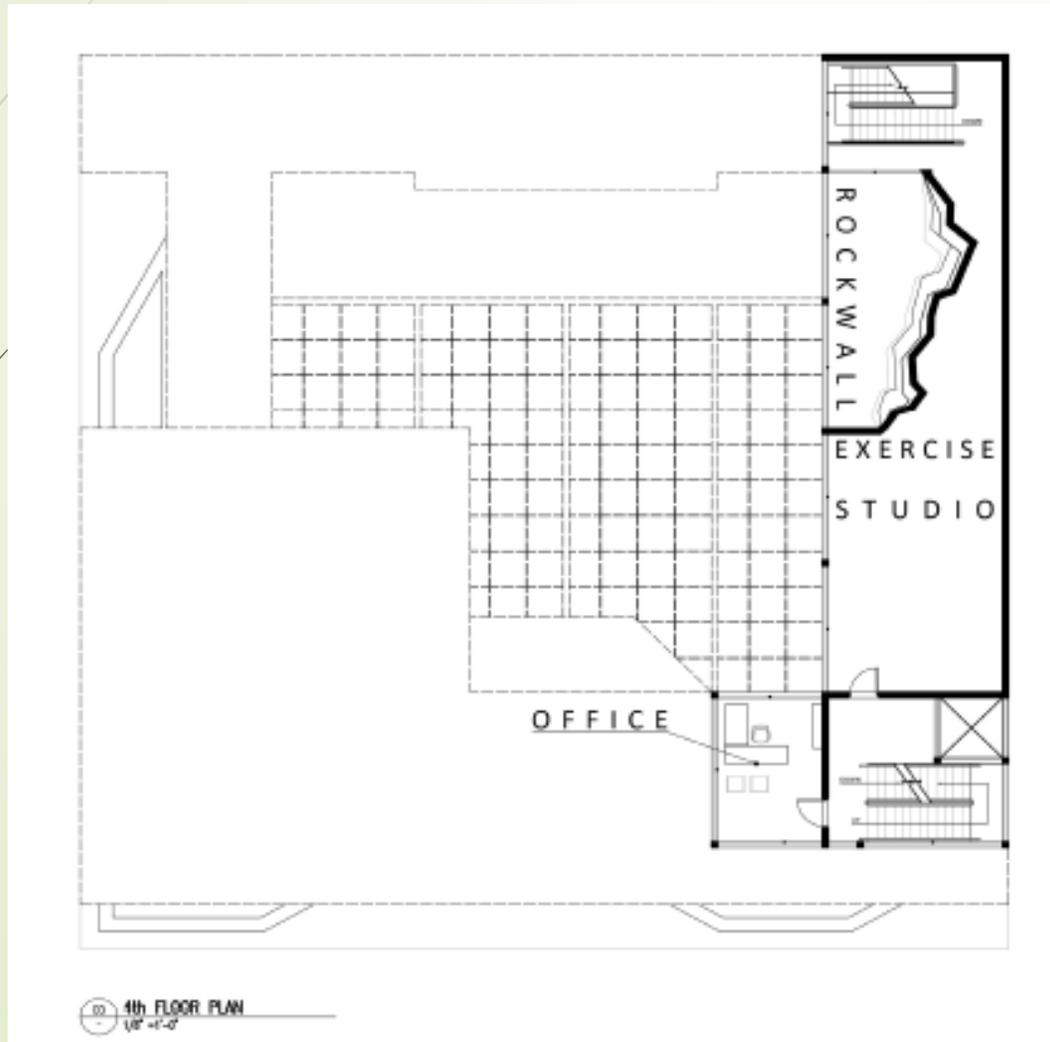
Program: 3rd Floor



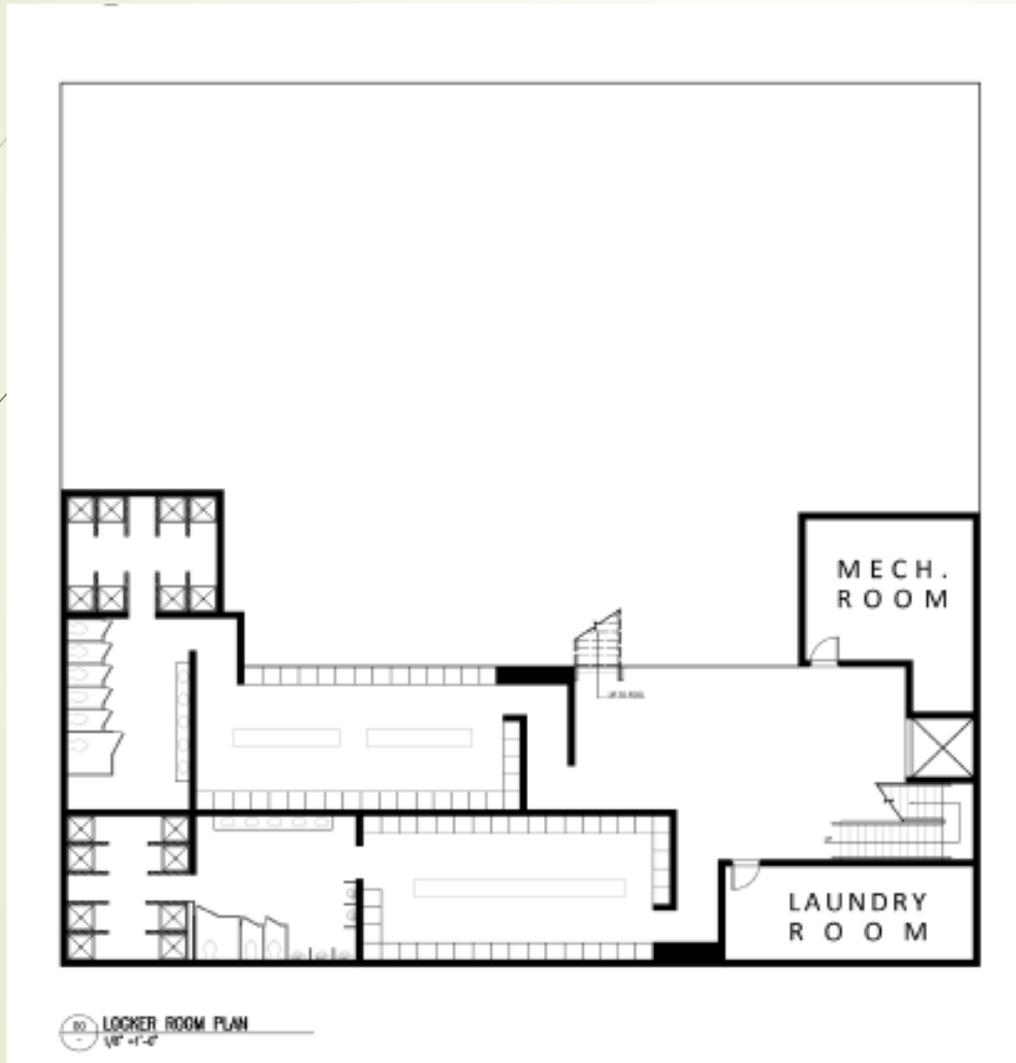
31. 3RD FLOOR PLAN
1/8" = 1'-0"



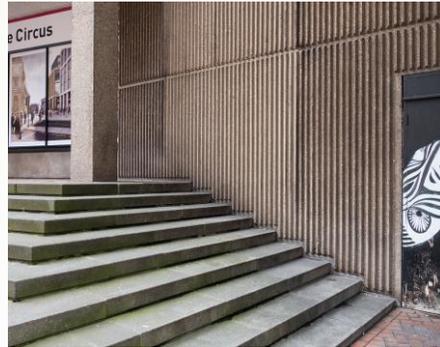
Program: 4th Floor



Locker Rooms



Materials



Taisha

- Precast Concrete
- Curtain Wall: Storefront
- Precast concrete products can withstand the most extreme weather conditions and will hold up for many decades of constant usage.
- Precast concrete building components are used architecturally as fireplace mantels, cladding, trim products, accessories and curtain walls.

Yocelyne

- Precast Concrete Ribbed Panels
- Curtain wall: Panelized

Laurin

- Aluminum Curtain Wall
- Curtain wall: Stick system



Citation

- ▶ <http://www.sprucepointcap.com/planet-fitness-inc/>
- ▶ <http://www.planetfitness.com/>
- ▶ <https://www.blinkfitness.com/>
- ▶ <http://dancefeverstudios.com/>
- ▶ <http://inyogacenter.com/>
- ▶ <http://www.evolutionyoga.com/how-to-help-your-yoga-studio-stand-out-from-the-crowd/>
- ▶ <http://www.slideshare.net/richlux/building-code-egress>
- ▶ <https://www.google.com/maps/@40.6987122,-73.9875339,102a,20y,156.98h,57.69t/data=!3m1!1e3>
- ▶ Brendan Sigvardsson