Building Technology 3
Team 4

Francis Kwok
- Born in Michigan and turning 20 years old.
- Pursuing architecture because he likes how things are created as well as building stuff since he is a hands-on person.
- Enjoys going to the gym and playing games.
- His weakness when it comes to school is focusing and studying for long periods of time.
- Favorite kind of architecture is a mix of traditional and modern Japanese.

Danielle Kraus
- Lives in Staten Island and is 23 years old.
- Decided to do architecture because since high school it has been her passion.
- Hobbies include boxing, walking, reading, and travel.
- Her weakness when it comes to school is learning new computer software.
- Favorite kind of architecture is Romanesque and gothic.

Ting Ting Lau
- Born in downtown, Manhattan and 23 years old.
- Interested in architecture because it’s intriguing and challenging at the same time and involves everything she’s interested in.
- She reads, writes, and sketches but she plays sports, bike rides and cooks during summer.
- Her weakness in school is she gets uncomfortable being with people for a while.
- Favorite kind of architecture includes a mixture of Modern, Contemporary and Asian.

Fareez Mohammed
- Interested in architecture because he always had an interest in it.
- His hobbies are video games and the gym.
- His weakness when it comes to school is studying for long periods of time.
- Favorite kind of architecture is modern.
Building Technology 3

Health Club Dumbo Grids

These are the floor plans with the grid's from basement floor to the 2nd floor. Also showing each room with the area and dimensions.

☐ Is a symbol of where the elevator is going to be placed.
Site Analysis
219 Jay Street

Key:
- Traffic/Noise
- Street Parking
- Populated Area
- Main Wind
- Sun Path

Front View
Plan View
Adjacent Building
Transportation and Land Use

Train lines A, C, F are located nearby at high street and down the block at Jay street station.

Jay Street Train Station

Land Use Key
- 1 & 2 Family Residential
- Multi-family Residential
- Mixed Use
- Open space & outdoor recreation
- Commercial
- Institutions
- Industrial
- Parking
- Transportation / Utilities
- Vacant Lots
Our main goal when going to study the building was to see how their mechanical equipment is distributed through the building. It is all exposed and doesn’t require a separate mechanical room. There were many things I would change with the layout of the equipment, such as, being too close together and directly under the light.
Missing Pieces

- Control Points: Sign In
- ADA Regulation: Ramps (route minimum of 36 inches)
- Shower (after pool use)
- MER
- Elevators

- Laundry room not necessary
Rearrangements:
Materials:

Danielle: Curtain wall - Storefront with composite panels

Francis: Precast concrete walls - Solid Panels and storefront

Ting: Structural Glazing: Glass fin with steel connections and Stone Veneer (Honeycomb panels)

Fareez: Curtain wall and vision glass