



CAJ² Associates

Building Technology III - ARCH 2431



Carolin

What programs you work best at? - The programs I work the best are Rhino, Indesign, and Autocad.

What is your goal as architect? - I want to get my license and work on the city and do some crazy and fantastic building in NYC.

What is your favorite style of architect? - My favorite style of architect is modern because I feel that this has more geometric shapes and has unique style.



Arianna

What is your goal in Architecture? - My goal as is to design my own field, and be the best architect I can be.

Who is your favorite Architect? - One of My favorite Architects is Zaha Hadid, she is an inspiration even after her death. She was the first woman to receive the Pritzker Architecture Prize and the only one to be awarded the Royal Gold Medal.

What is your biggest struggle as an architect student? - My biggest struggle was learning the programs and understand the language used by architects..



Jovanny

Why do you like architecture?

I like architecture because it is where art meets the real world, and also where building do more than just become a habitable volume.

What do you hope to achieve from architecture? - I hope to be able to find an alternative to public housing, meaning to be able to create a form of housing that is affordable and can hold a vast amount of people.

What else do you do besides school? - I currently work for a non-profit, who helps day labors look for secure jobs that meet working standards.



Janel

When did you first get into architecture? - I started architecture in high school, we had to design our dream house using popsicle stick, and then eventually, we started using revit and autoCAD.

When you are not in school, what is your favorite thing to do? - I love to draw, write stories and listen to music.

What you struggle with the most? - I struggle with time management, and completing more than one goal at a time.

Fulton Center

Architects: UK firm Grimshaw Architects; the preservation architect Page Cowley; and, HDR/ Daniel Frankfurt.

Address: 200 Broadway, New York, NY 10038

Built: 1910

Remodel: 2014

Client: MTA Capital Construction / New York City Transit

Area: 34,653 sq ft

Zoning: C5-5

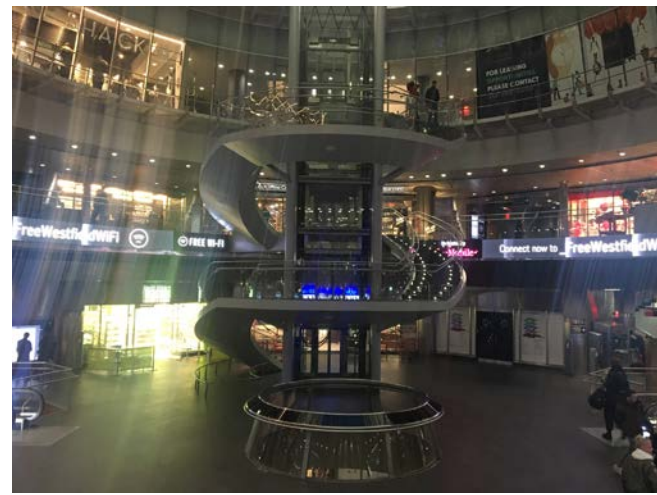
Floors: 4

Use: Train Station & Shopping Mall



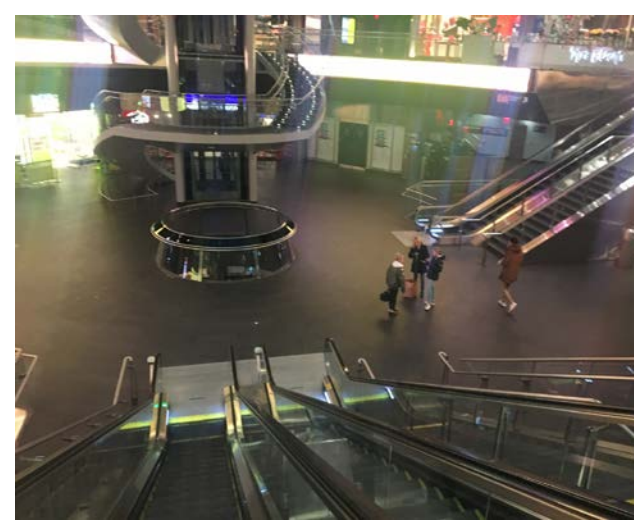
A \$1.4 billion project that created a new transit hub and improved links to six subway stations in Lower Manhattan.

The Fulton Center improves connections between six subway stations in Lower Manhattan and has regenerated an area badly affected by the 9/11 attack in 2001 and the economic crisis of 2008. The Fulton Center opened in November 2014, and was announced in October 2015 as the winner of this year's British Construction Industry International Award. This facility was designed in conjunction with three architects: UK firm Grimshaw Architects; the preservation architect Page Cowley; and, HDR/Daniel Frankfurt.

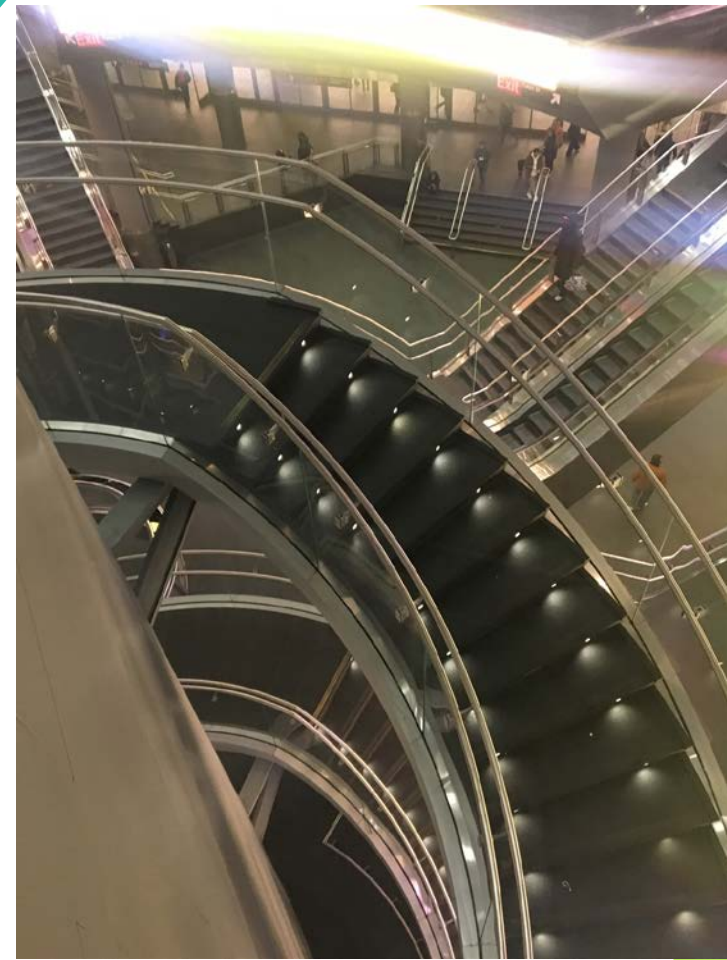


The principal purpose of the Fulton Center project was to join up six stations on 11 separate lines that were expressly built by competing private railway companies (1902–1933) so that they would not join up. Constructed in the early 20th century, the entrances were narrow; passengers changing platforms had to use cramped passages, or rise to ground level and cross busy streets.

Peak hour 'dwell times' for trains had become unacceptably high, reducing train frequency and increasing congestion still further, and the system-wide knock-on effects could affect services all day.



Some 30 m below ground was sound bedrock, too deep and too difficult to reach by piling. Near the surface was a typical mixture of urban fill. In between, where almost all the work was to take place, was a treacherous mixture of sands and silts including Manhattan's notorious 'Bull's Liver' soil, a vibration-sensitive stratified silt and fine sand. This is prone to consolidation, causing settlement under construction vibrations, and rapidly loses strength when disturbed or wetted: in its saturated state, it can quake like jelly when shaken, and even flow like a liquid.





Inspiration from the neighbourhood's cast iron buildings.



Encased in a glass and steel shell, Fulton Center improves the commuter experience by providing seamless transfers for up to 300,000 daily passengers of the **A** **C** **J** **Z** **2** **3** **4** **5** and **R** **W** lines and improves access to PATH trains and the **E** and **1** lines when additional work by the Port Authority of New York and New Jersey is completed.

Project Summary

6

subway stations

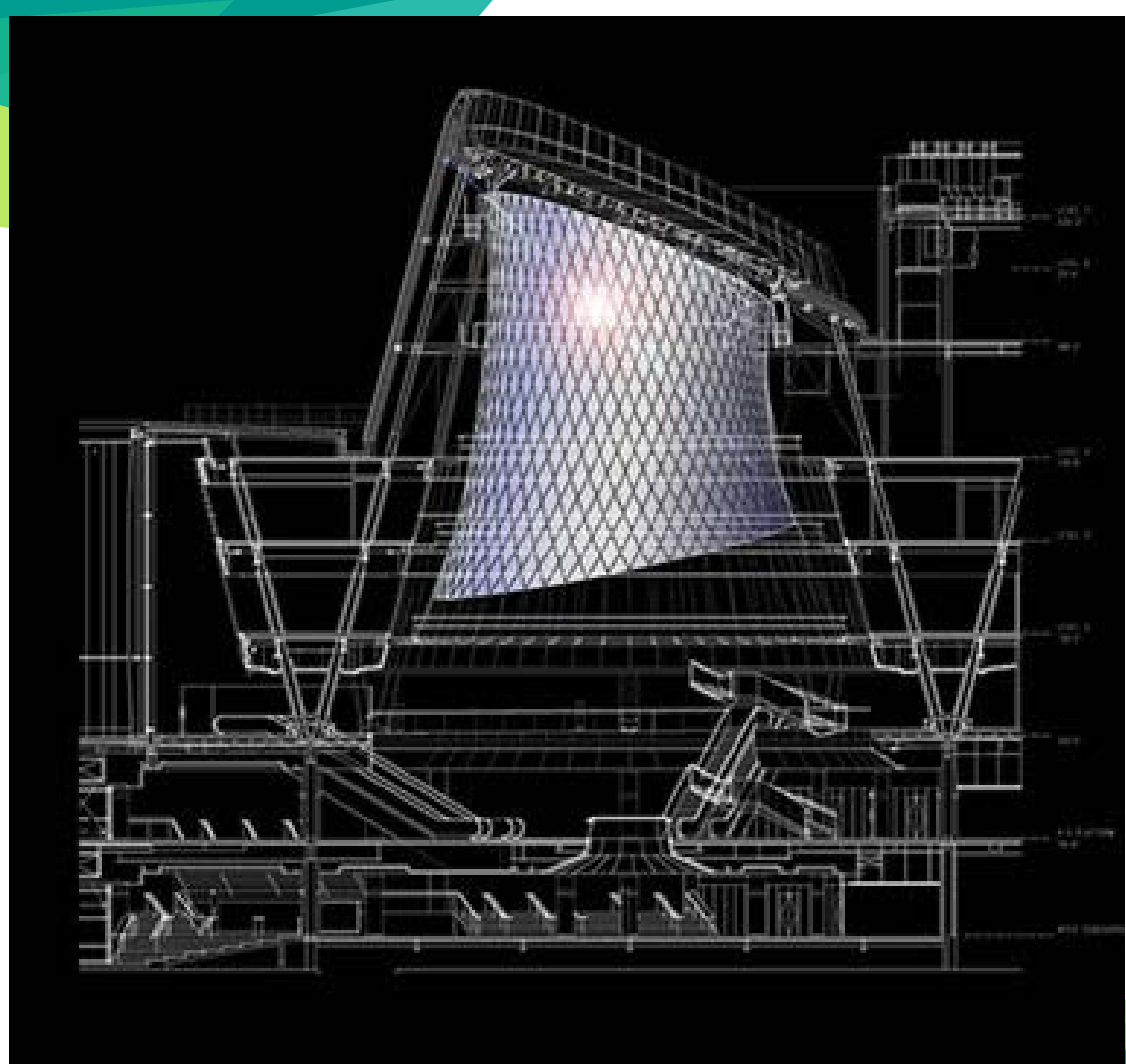
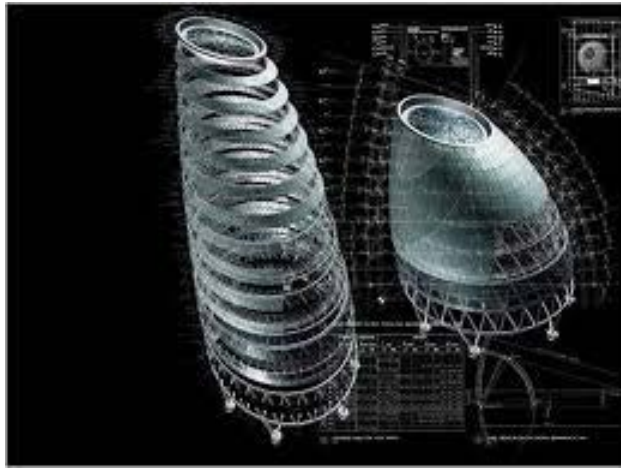
10

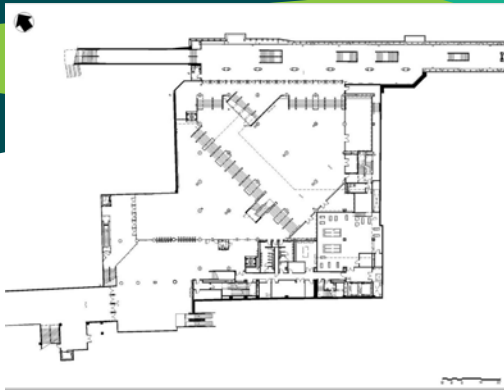
subway lines

300,000

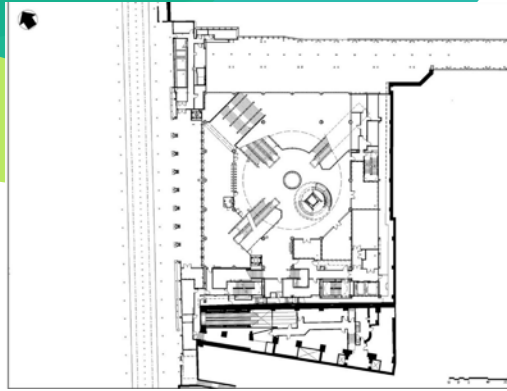
*passengers pass
through the station on
weekdays*



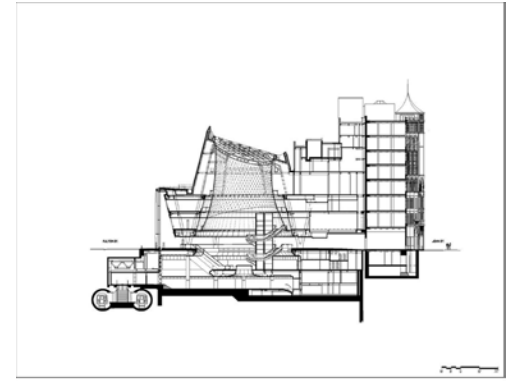




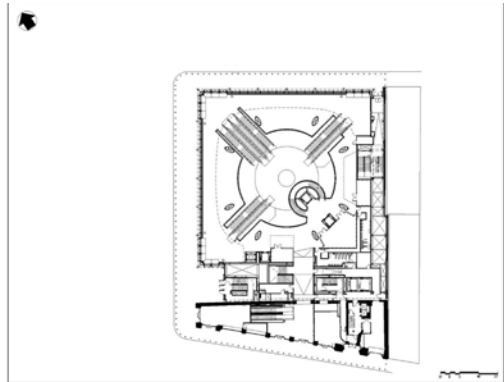
Basement



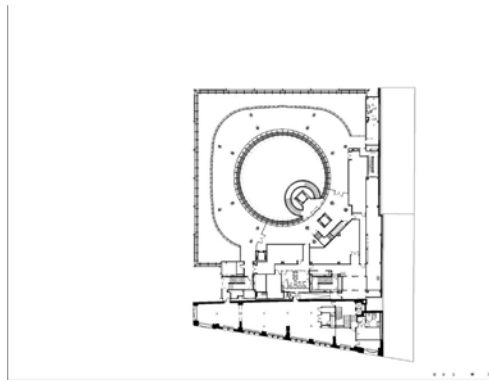
Ground Floor



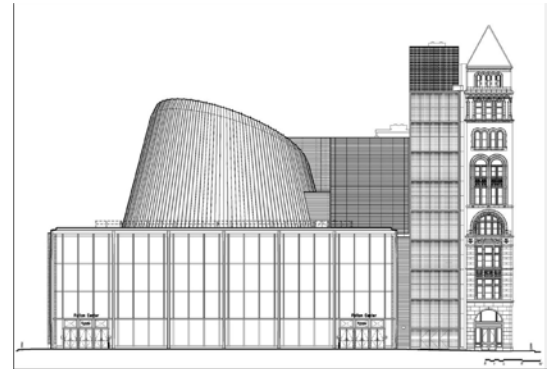
Section



First Floor



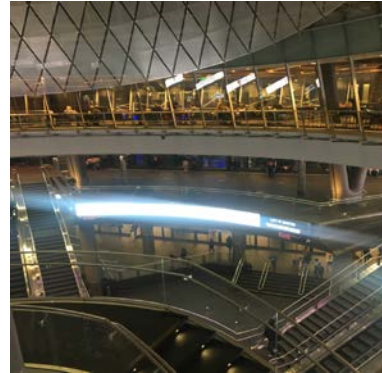
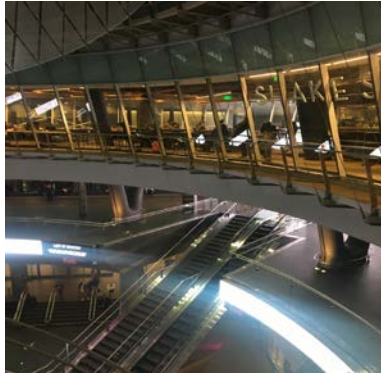
Second Floor



Elevation



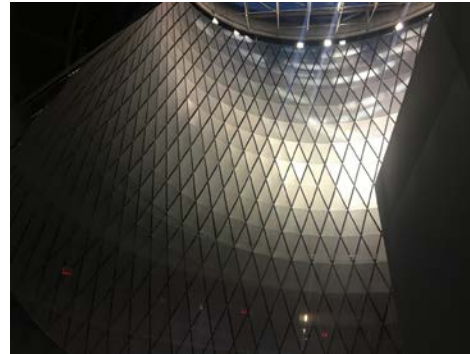
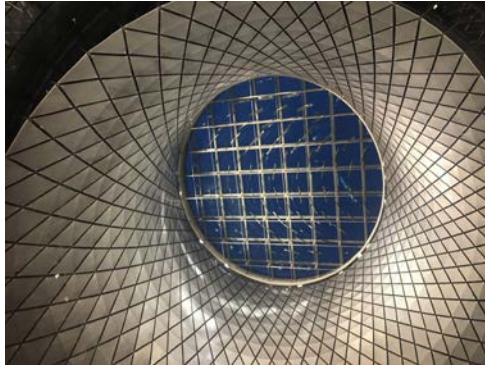
Pictures



Open Space Area



Pictures



Diamond Shapes aluminum panels each hung from a stainless steel cable.



Cited:

<http://www.ingenia.org.uk/Ingenia/Articles/997>

https://en.wikipedia.org/wiki/Fulton_Center

<https://www.arup.com/projects/fulton-center>

http://web.mta.info/capital/fulton_alt.html

[https://www.google.com/search?q=e+neighbourhood%E2%80%99s+cast+iron+buildings&source=ms&tbm=isch&sa=X&ved=0ahUKEwijrcOS-](https://www.google.com/search?q=e+neighbourhood%E2%80%99s+cast+iron+buildings&source=ms&tbm=isch&sa=X&ved=0ahUKEwijrcOS-Y3ZAhXOxlkKHcEDA6EQ_AUICygC&biw=1366&bih=637#imgrc=47U5zuP3-1vD1M)

[Y3ZAhXOxlkKHcEDA6EQ_AUICygC&biw=1366&bih=637#imgrc=47U5zuP3-1vD1M](https://www.google.com/search?q=e+neighbourhood%E2%80%99s+cast+iron+buildings&source=ms&tbm=isch&sa=X&ved=0ahUKEwijrcOS-Y3ZAhXOxlkKHcEDA6EQ_AUICygC&biw=1366&bih=637#imgrc=47U5zuP3-1vD1M)

