

Cornell NYC Tech Central Utility Plant Community Board 8

February 12, 2014

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Site Plan: CUP at North of Site

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Concept: CUP as a ribbon to connect the adjacent buildings



552'

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North Elevation: **CUP** in context of N Loop Road

- 11,000 GSF
- Un-Occupied Equipment Building
- Not a Public Building / No Public Access
 - Only Accessible by Con Ed and Authorized Cornell Personnel
- Con Edison and Other Electrical Equipment to Serve Campus Buildings
- Renewable Energy Equipment Rooms (Photovoltaic Cells, Future Fuel Cell)
- Ancillary Equipment to Support the Building
- Non-Occupiable Green Roof and Rooftop Equipment with Screen



Building Program



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ConEd utility louvers in NYC: Required per Con Ed Guidelines



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Floor Plan



SCALE 1 - SAWTOOTH OF BUILDING



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Sawtooth at Multiple Scales



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The building saw-soothes at three scales



- 1
- Green Roof System Rooftop Enclosure Wood Screen 2
- Bulkhead 3
- Fuel Cell 4
- AHU 5

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Generator 6

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Roof Plan: Majority of the roof is a green roof system



BOULDERS AND GREENERY

BENCHES - BLACK LOCUST

The CUP emerges as a complement to the mineral material palette of the campus landscape and Queensboro Bridge

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Campus and Context Material Palette



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FAB Material Palette: CUP material is complementary



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Metal Material Precedent: Create visual interest with tone



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- The CUP receives direct sunlight only in warmer months. It receives ambient light the rest of the year.



Sun Path Diagram



CUP MATERIAL SAMPLE - VARIED PATINA AND REFLECTIVITY

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The metal panels will have a varied finish, in both color and reflectivity to provide visual interest along the North facade.

CUP Material Palette





PHOTO 1 - VIEW LOOKING UP AT METAL PANEL SAMPLE

PHOTO 2 - INDIRECT NATURAL LIGHT

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Photos of metal panel sample in varied natural light conditions



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Rendering of proposed metal panel finish





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North Elevation Rendering





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ConEd required louvers outlined; to be behind metal panel system





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Lighting Analysis and Night Rendering



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View West on North Loop Road: CUP left, existing building right



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North Facade: View looking at one bay of metal panel system