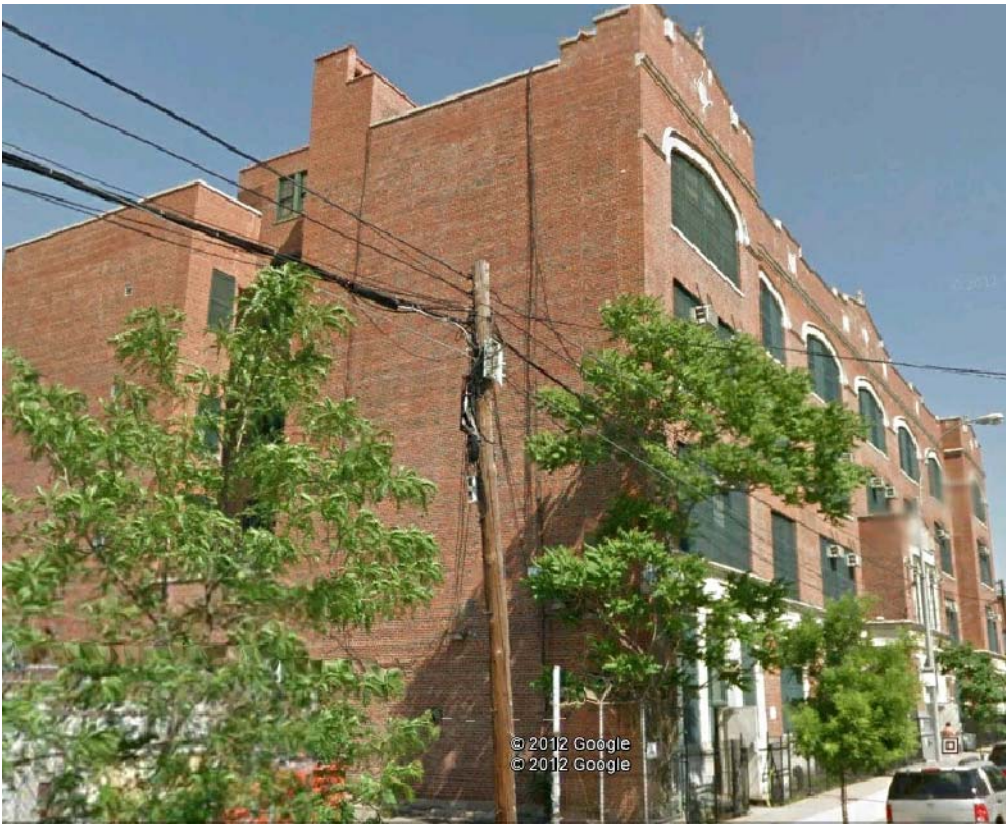


**FY13 Energy Audit Project – Existing Condition Layouts**

***PHOTOS***



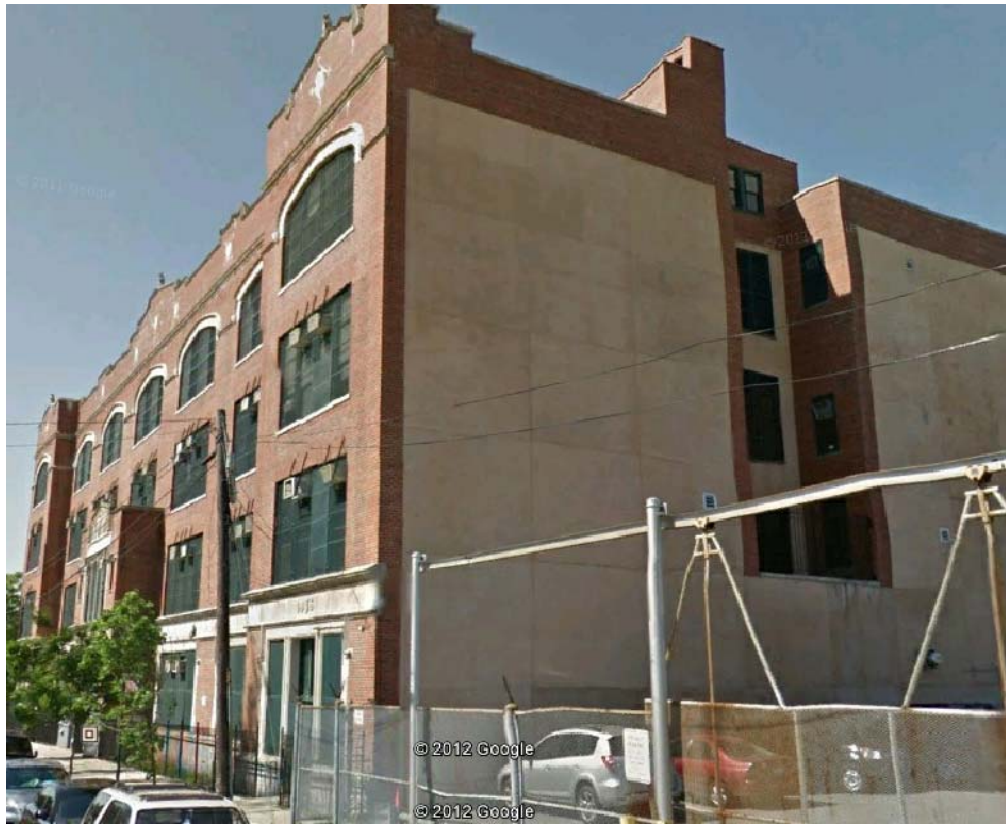




VIEW - A



VIEW - B



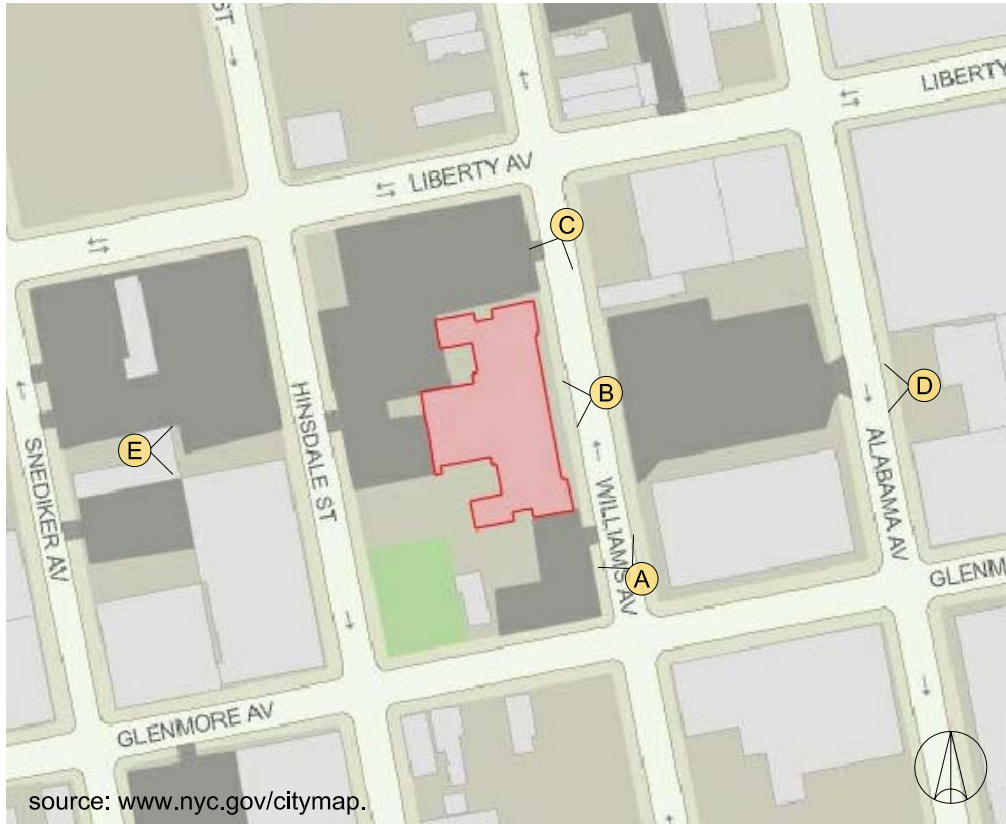
VIEW - C



VIEW - D



VIEW - E



KEYPLAN

## BUILDING EXTERIOR PHOTOS

source: Google Earth , Bing and Site visit photos





1 BOILER ROOM  
FLOOR LOCATION : BASEMENT



2 BOILER ROOM  
FLOOR LOCATION : BASEMENT



3 BOILER ROOM  
FLOOR LOCATION : BASEMENT



4 BOILER ROOM  
FLOOR LOCATION : BASEMENT

## BUILDING PHOTOS

source: Site visit photos





5 MAIN LOBBY STAIRCASE  
FLOOR LOCATION : 1ST FLOOR



6 HALLWAY  
FLOOR LOCATION : 1ST FLOOR



7 DINING ROOM  
FLOOR LOCATION : 1ST FLOOR



8 DINING ROOM  
FLOOR LOCATION : 1ST FLOOR

## BUILDING PHOTOS

source: Site visit photos





9 KITCHEN  
FLOOR LOCATION : 1ST FLOOR



10 KITCHEN  
FLOOR LOCATION : 1ST FLOOR



11 HALLWAY  
FLOOR LOCATION : 2ND FLOOR



12 OFFICE / CONFERENCE AREA  
FLOOR LOCATION : 2ND FLOOR

## BUILDING PHOTOS

source: Site visit photos





**13** CORRIDOR  
FLOOR LOCATION : 4TH FLOOR



**14** CORRIDOR  
FLOOR LOCATION : 4TH FLOOR



**15** DORM  
FLOOR LOCATION : 4TH FLOOR



**16** TOILET  
FLOOR LOCATION : 4TH FLOOR

## BUILDING PHOTOS

source: Site visit photos





**17** ROOFDECK  
FLOOR LOCATION : ROOF



**18** ROOFDECK  
FLOOR LOCATION : ROOF

## BUILDING PHOTOS

source: Site visit photos





1 B-1 - Boiler no. 1  
ROOM LOCATION : BOILER ROOM FLOOR LOC. : BASEMENT



2 B-2 - Boiler no. 2  
ROOM LOCATION : BOILER ROOM FLOOR LOC. : BASEMENT



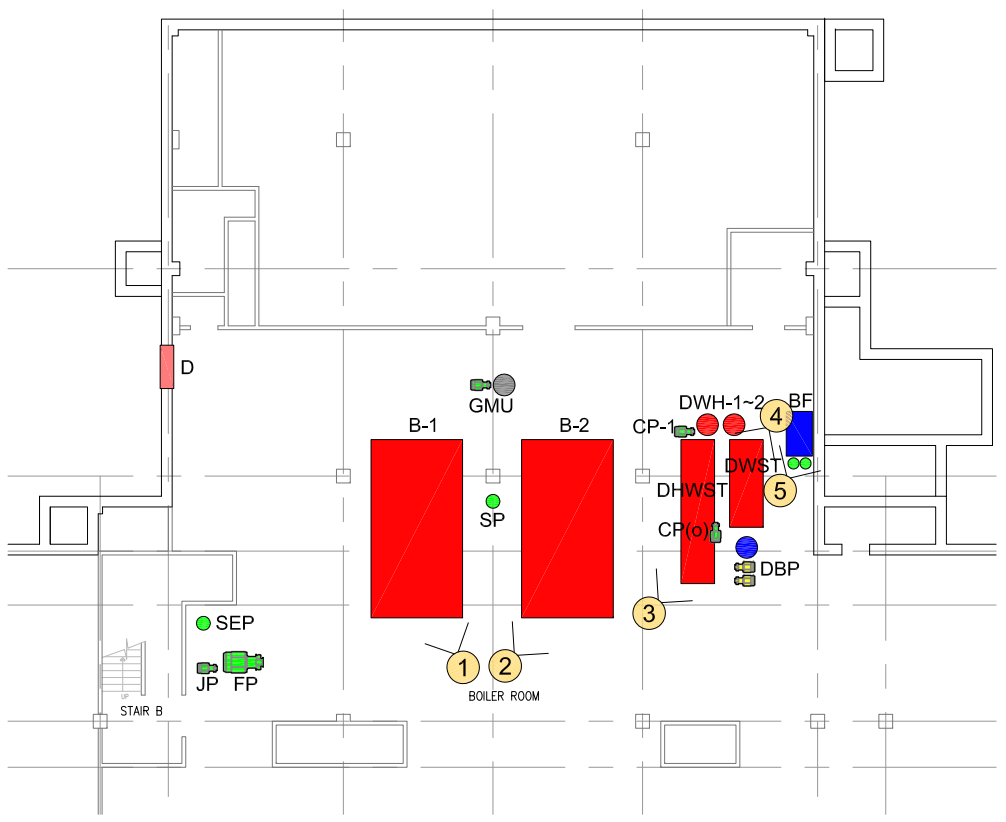
3 DHWST - Domestic Hot Water Storage Tank  
ROOM LOCATION : BOILER ROOM FLOOR LOC. : BASEMENT



4 DWST - Domestic Water Storage Tank  
ROOM LOCATION : BOILER ROOM FLOOR LOC. : BASEMENT



5 BF - Boiler Vacuum Feed Pumps & Tank  
ROOM LOCATION : BOILER ROOM FLOOR LOC. : BASEMENT



KEYPLAN (Partial Basement Floor Plan)

## EQUIPMENT PHOTOS

source: Site visit photos





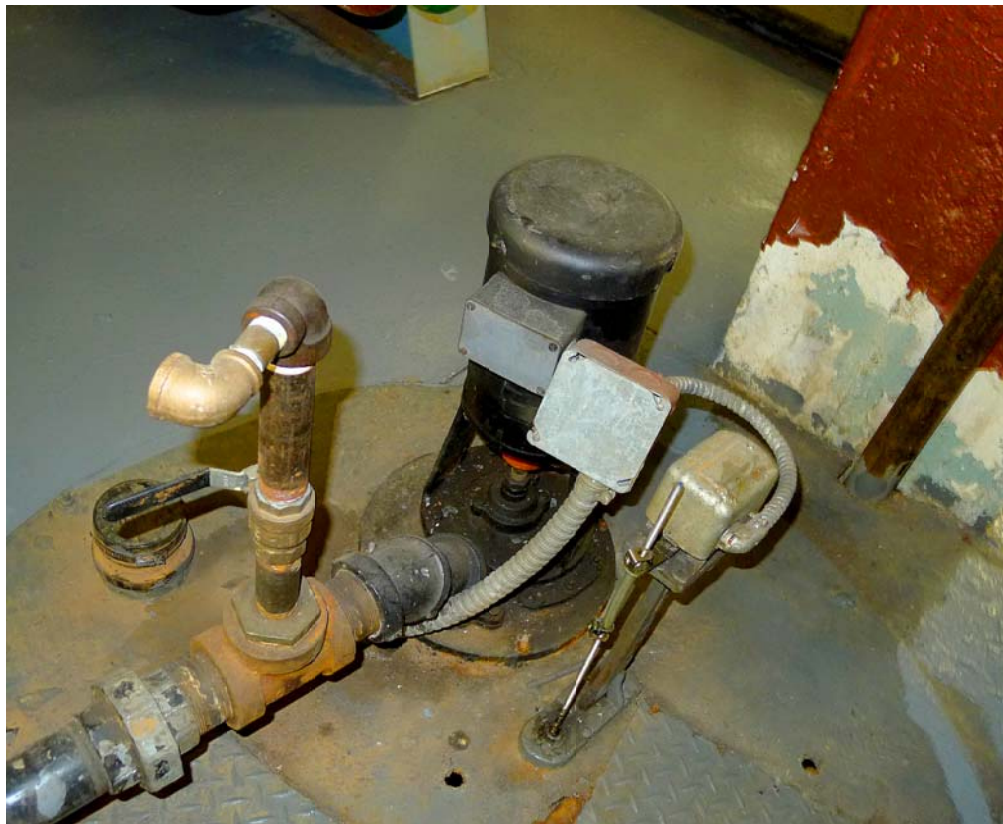
**6 DBP - Duplex Domestic Booster Pump Set**  
 ROOM LOCATION : BOILER ROOM FLOOR LOC. : BASEMENT



**7 DWH-1~2 - Domestic Hot Water Heater nos. 1~2**  
 ROOM LOCATION : BOILER ROOM FLOOR LOC. : BASEMENT



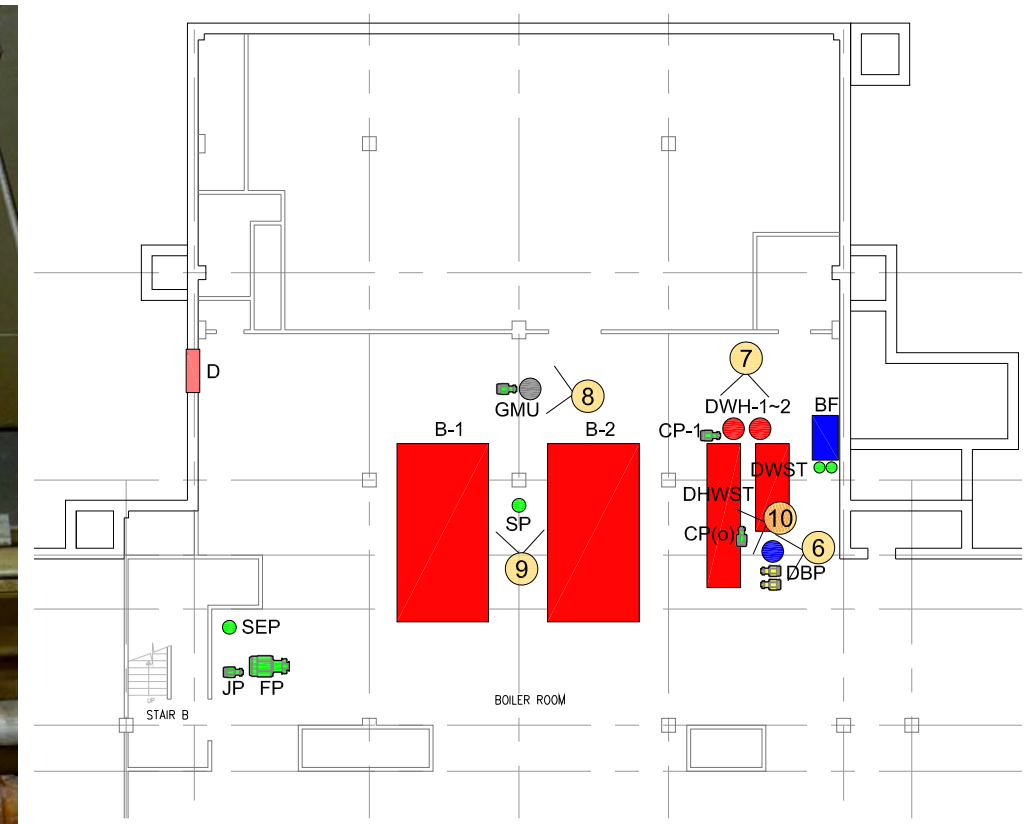
**8 GMU - Glycol Make-up Unit**  
 ROOM LOCATION : BOILER ROOM FLOOR LOC. : BASEMENT



**9 SP - Sump Pump**  
 ROOM LOCATION : BOILER ROOM FLOOR LOC. : BASEMENT



**10 CP(o) - Circulating Pump (overhead)**  
 ROOM LOCATION : BOILER ROOM FLOOR LOC. : BASEMENT



**KEYPLAN (Partial Basement Floor Plan)**

## EQUIPMENT PHOTOS

source: Site visit photos





**11 SEP - Sewage Ejector Pump**  
ROOM LOCATION : BOILER ROOM FLOOR LOC. : BASEMENT



**12 FP - Fire Pump**  
ROOM LOCATION : BOILER ROOM FLOOR LOC. : BASEMENT



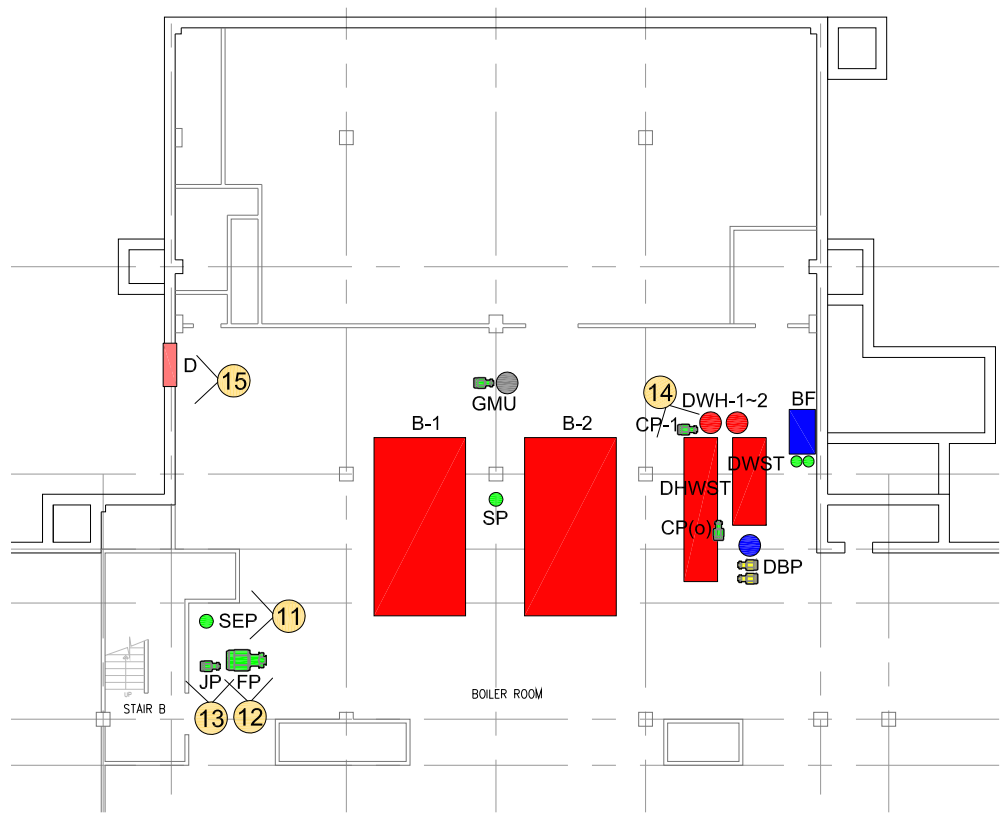
**13 JP - Jockey Pump**  
ROOM LOCATION : BOILER ROOM FLOOR LOC. : BASEMENT



**14 CP-1 - Circulating Pump no. 1**  
ROOM LOCATION : BOILER ROOM FLOOR LOC. : BASEMENT



**15 D - Combustion Air Damper and Fan**  
ROOM LOCATION : BOILER ROOM FLOOR LOC. : BASEMENT



**KEYPLAN (Partial Basement Floor Plan)**

## EQUIPMENT PHOTOS

source: Site visit photos





**16** UH - Unit Heater  
ROOM LOCATION : KITCHEN  
FLOOR LOC. : 1F



**17** UH - Unit Heater  
ROOM LOCATION : DINING  
FLOOR LOC. : 1F



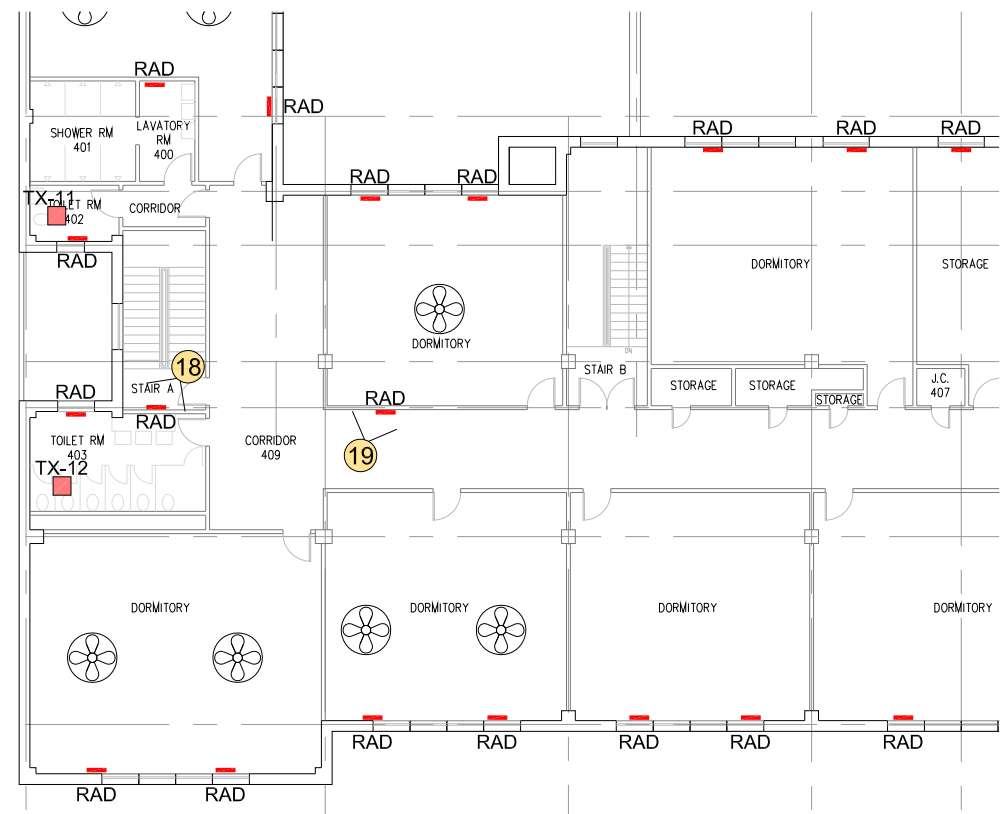
**KEYPLAN (Partial 1st Floor Plan)**



**18** RAD - Radiator  
ROOM LOCATION :  
FLOOR LOC. : 4F



**19** RAD - Radiator  
ROOM LOCATION : HALLWAY  
FLOOR LOC. : 4F



**KEYPLAN (Partial 4th Floor Plan)**

## EQUIPMENT PHOTOS

source: Site visit photos





**20 W/AC - Window Type AC**  
ROOM LOCATION : RECREATION ROOM

FLOOR LOC. : 3F



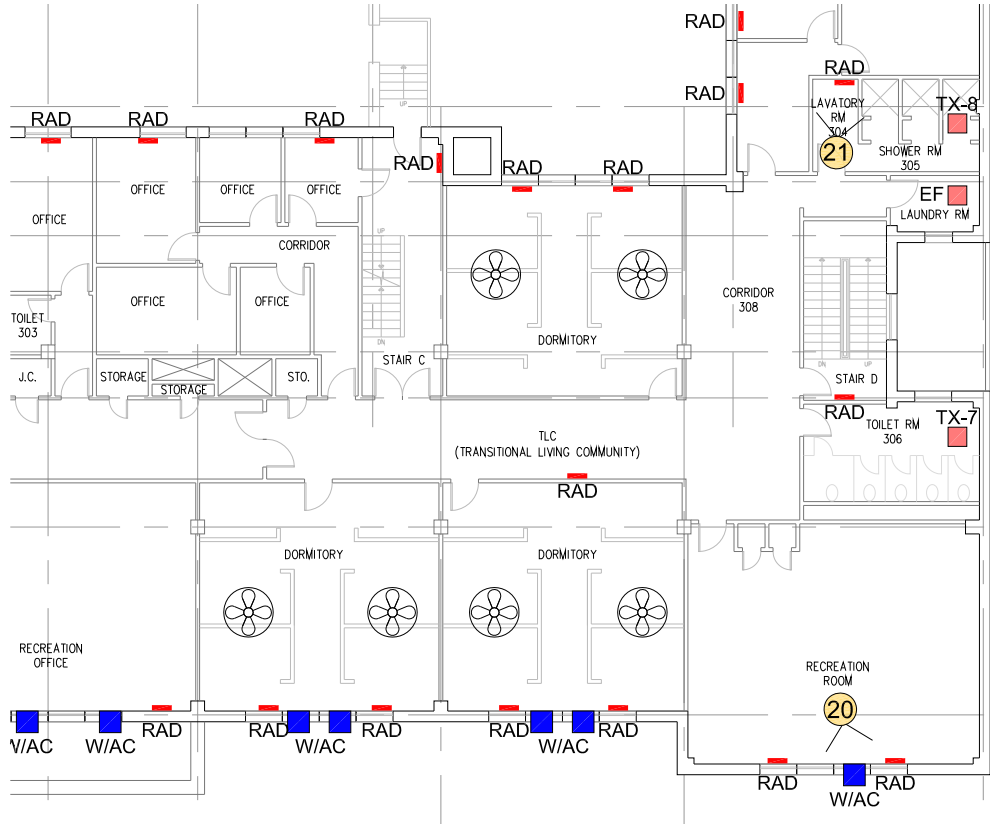
**21 RAD - Radiator**  
ROOM LOCATION : LAVATORY RM

FLOOR LOC. : 3F

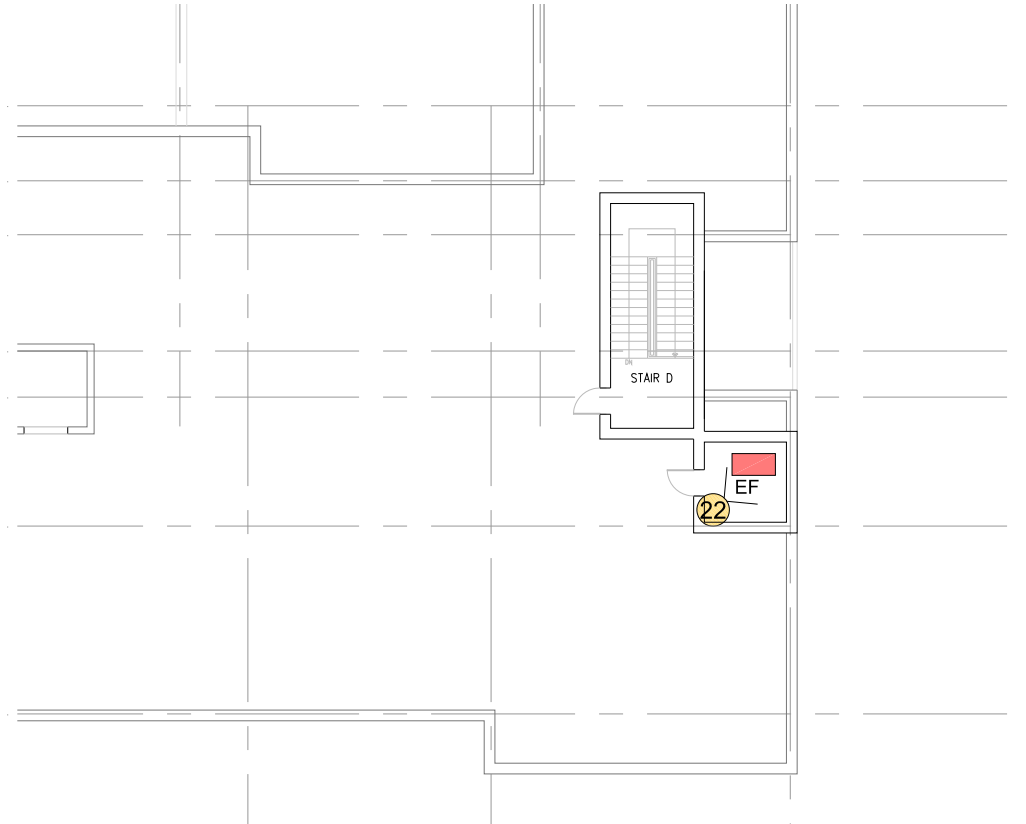


**22 EF - Exhaust Fan**  
ROOM LOCATION :

FLOOR LOC. : PH



KEYPLAN (Partial 3rd Floor Plan)



KEYPLAN (Partial PH/Roof Plan)

## EQUIPMENT PHOTOS

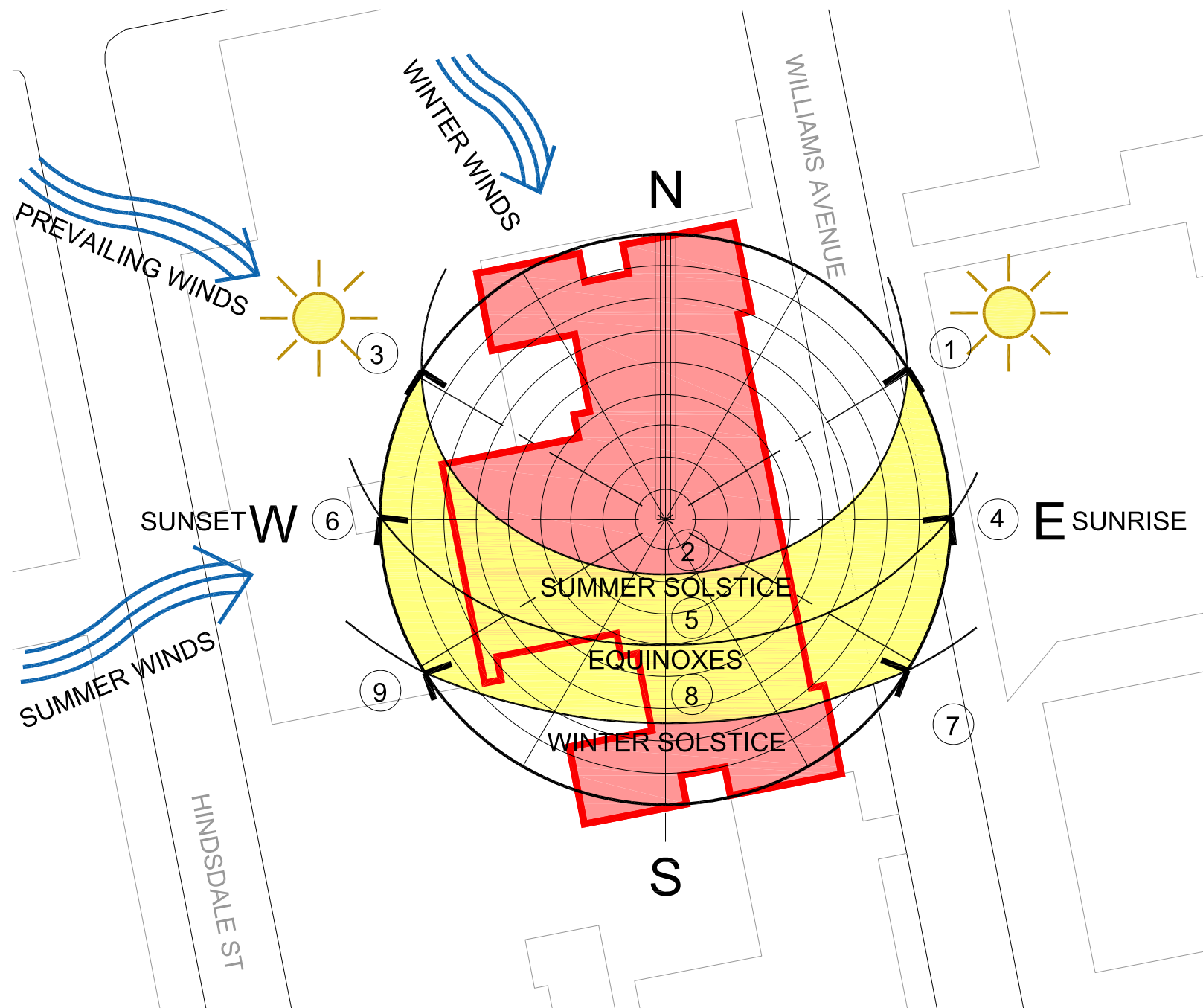
source: Site visit photos



## ***SOLAR ANALYSIS***







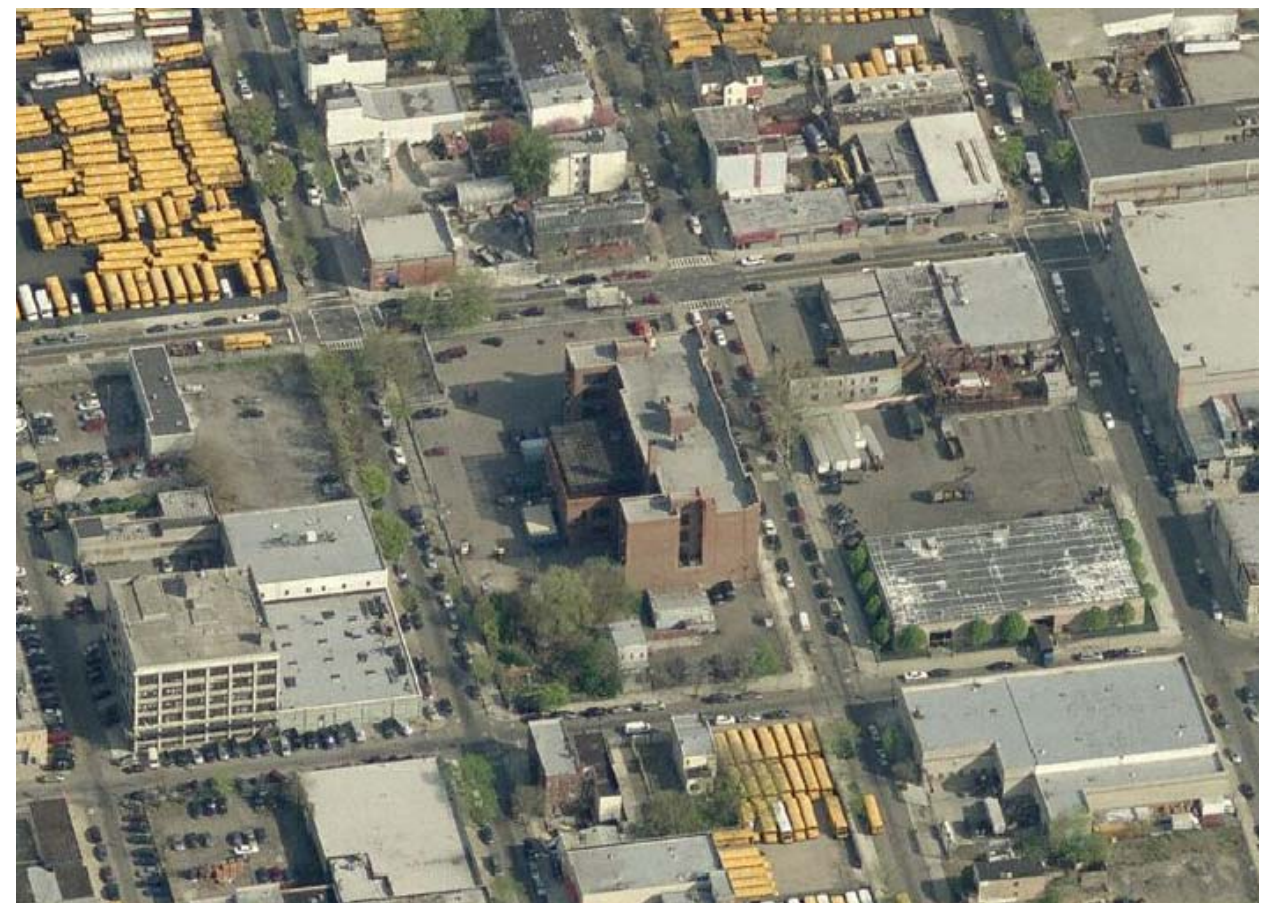
		EVENT	SOLAR TIME	BEARING ANGLE	ALTITUDE
SUMMER	①	Sunrise	4:30 am	121° East of South	0°
	②	Solar noon	12:00 pm	Due South	72.7 °
	③	Sunset	7:30 pm	121° West of South	0°
EQUINOX	④	Sunrise	6:00 am	90° East of South	0°
	⑤	Solar noon	12:00 pm	Due South	48.8°
	⑥	Sunset	6:00 pm	90° West of South	0°
WINTER	⑦	Sunrise	7:25 am	---	0°
	⑧	Solar noon	12:00 pm	Due South	25.8°
	⑨	Sunset	4:25 pm	---	0°

references: [www.gaisma.com/en/location/new-york-ny](http://www.gaisma.com/en/location/new-york-ny).  
[www.nyc.gov/html/ddc/downloads/pdf/solar\\_diagram.pdf](http://www.nyc.gov/html/ddc/downloads/pdf/solar_diagram.pdf)



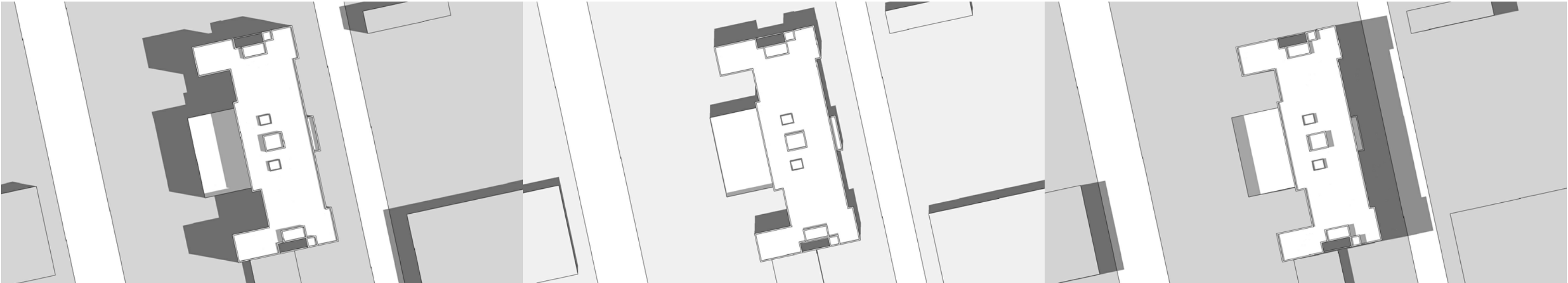
## SOLAR DIAGRAM

0 20ft 40ft 60ft 80ft 100ft 120ft 140ft 160ft  
 APPROXIMATE SCALE



## CONTEXTUAL SITE PHOTOS

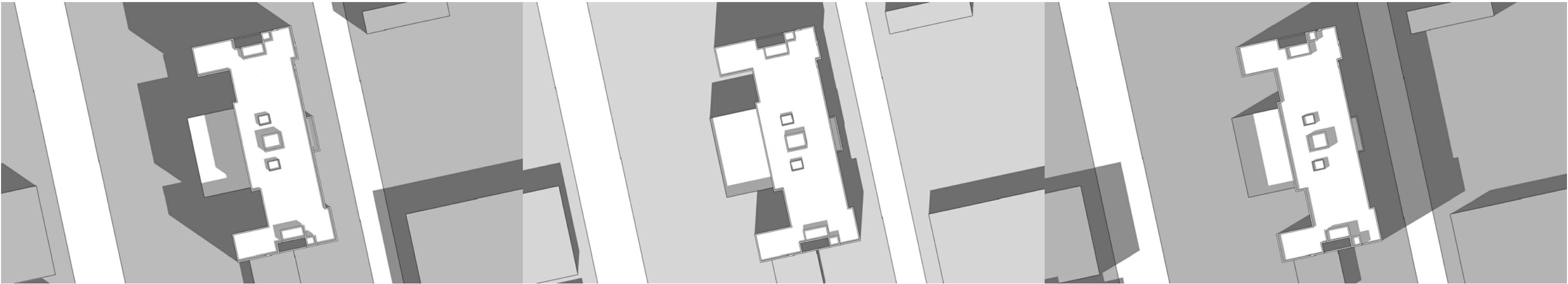




SUMMER 9:00 AM

SUMMER 12:00 PM

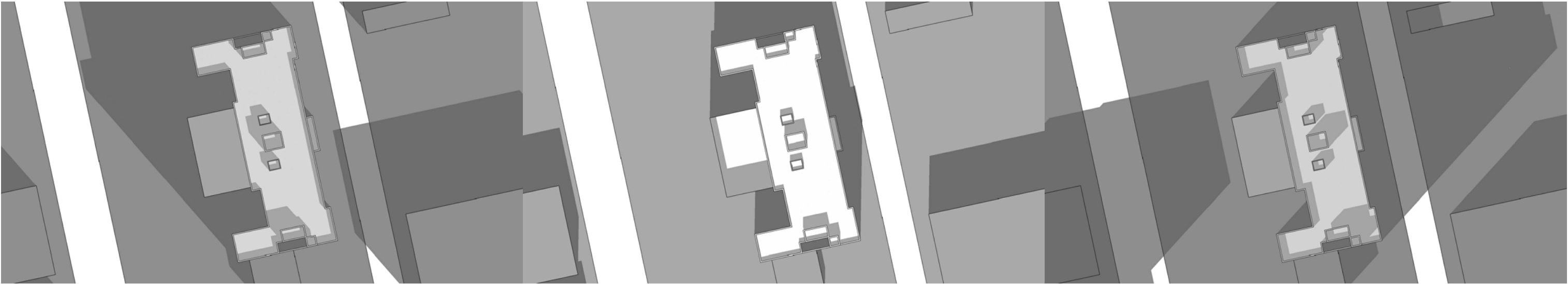
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EQUINOX 9:00 AM

EQUINOX 12:00 PM

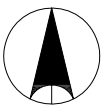
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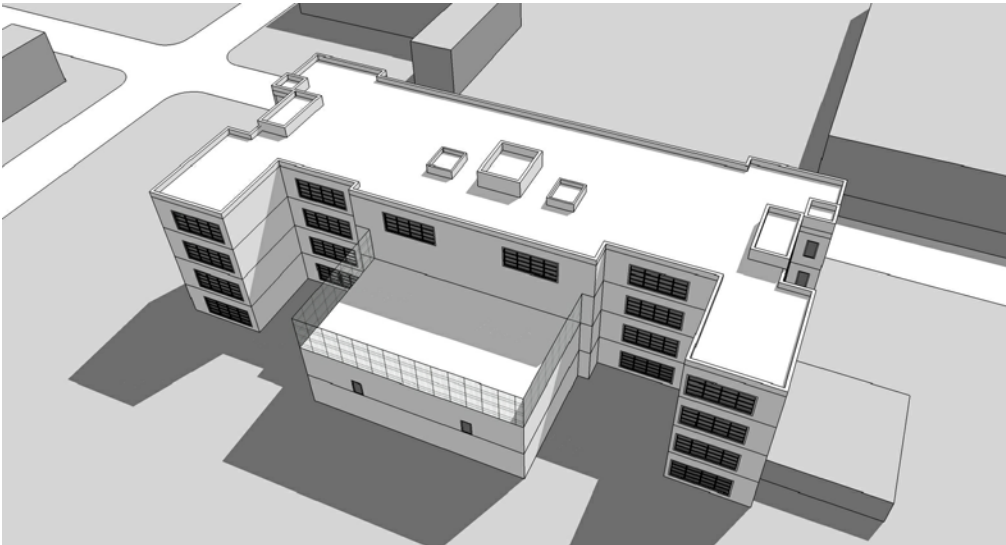
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WINTER 12:00 PM

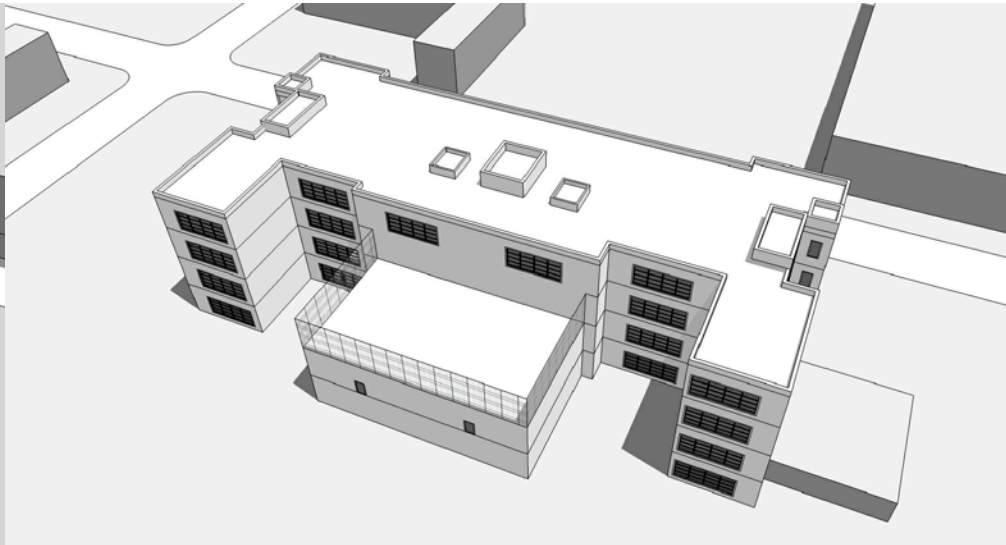
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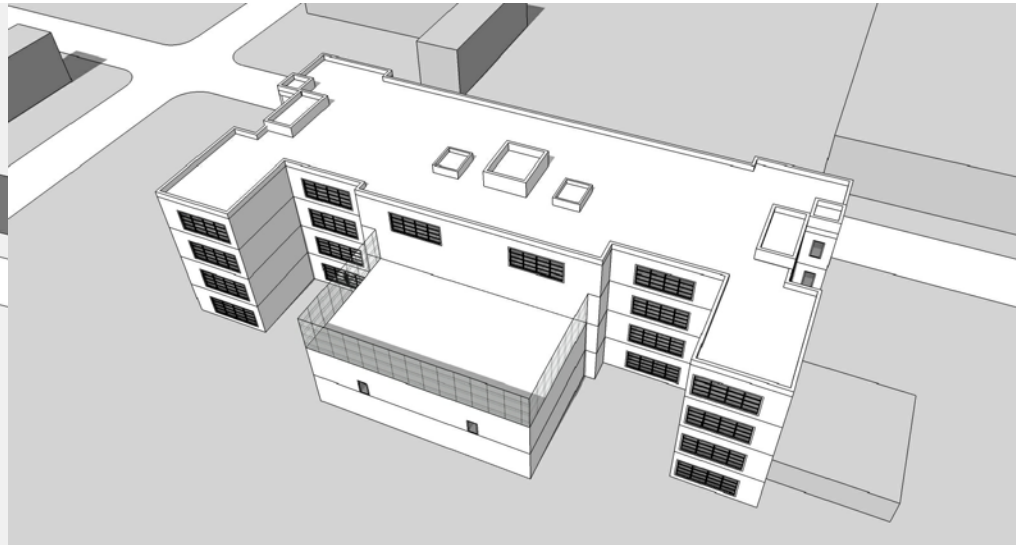




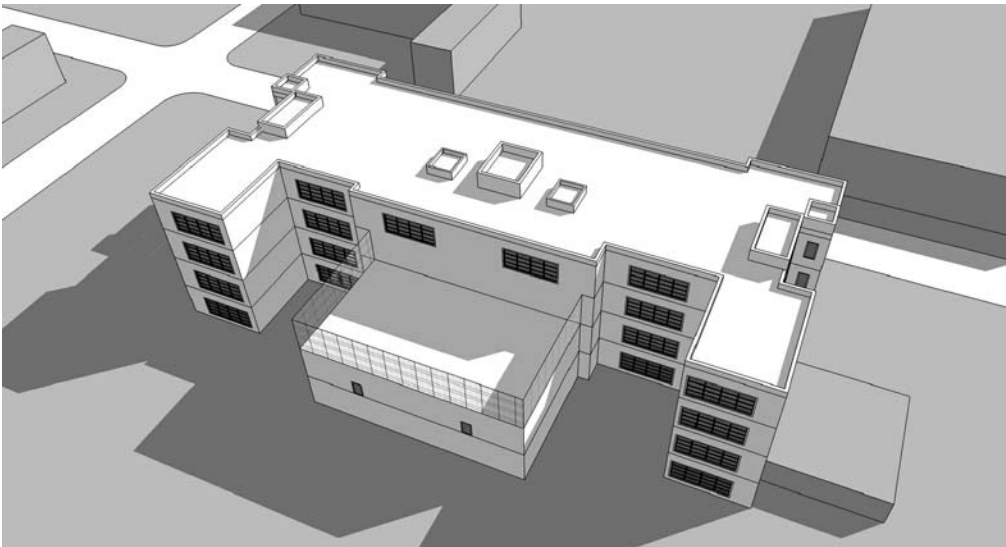
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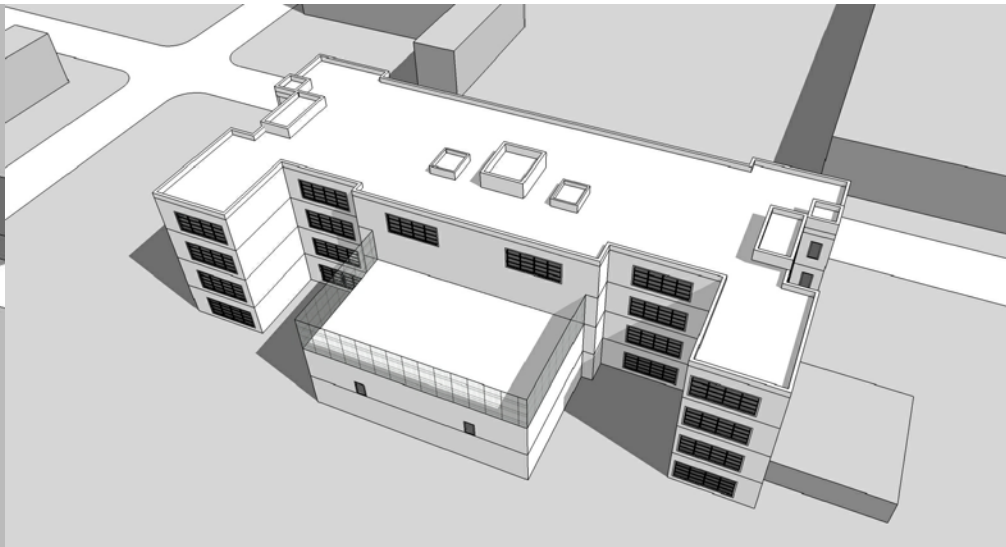
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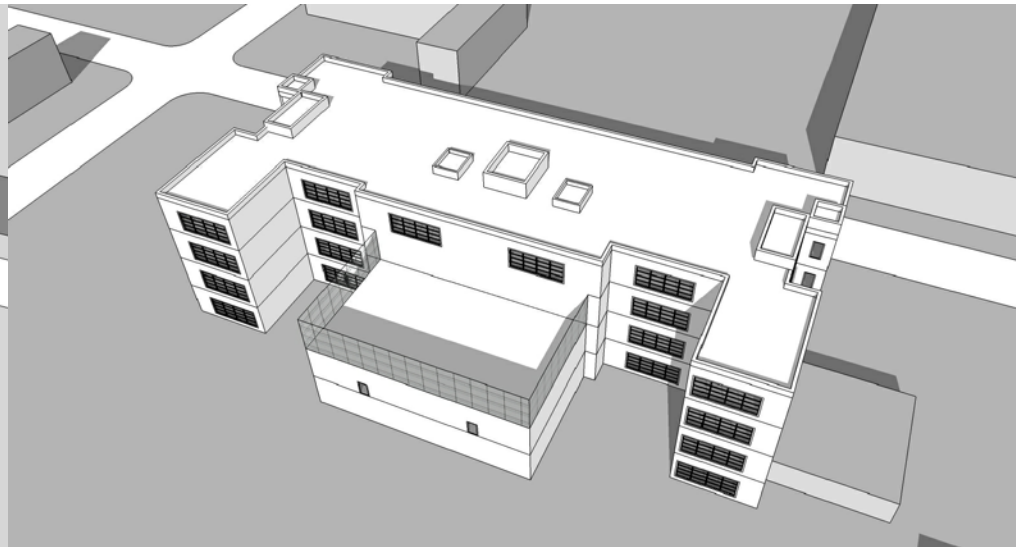
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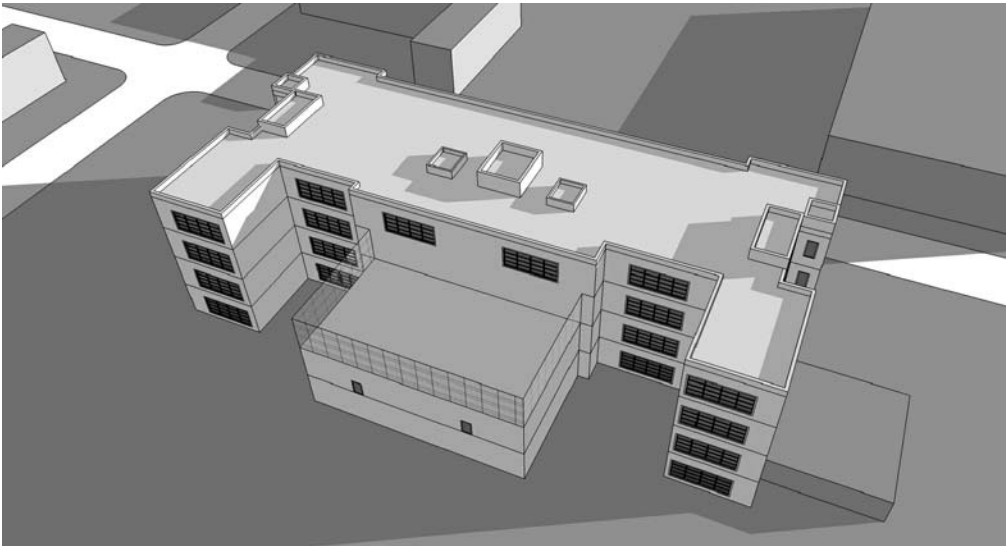
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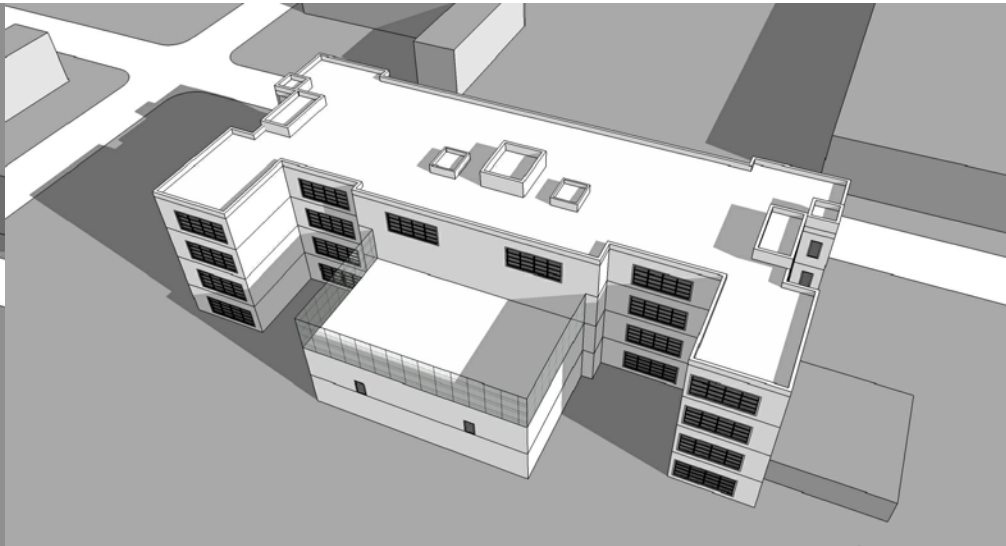
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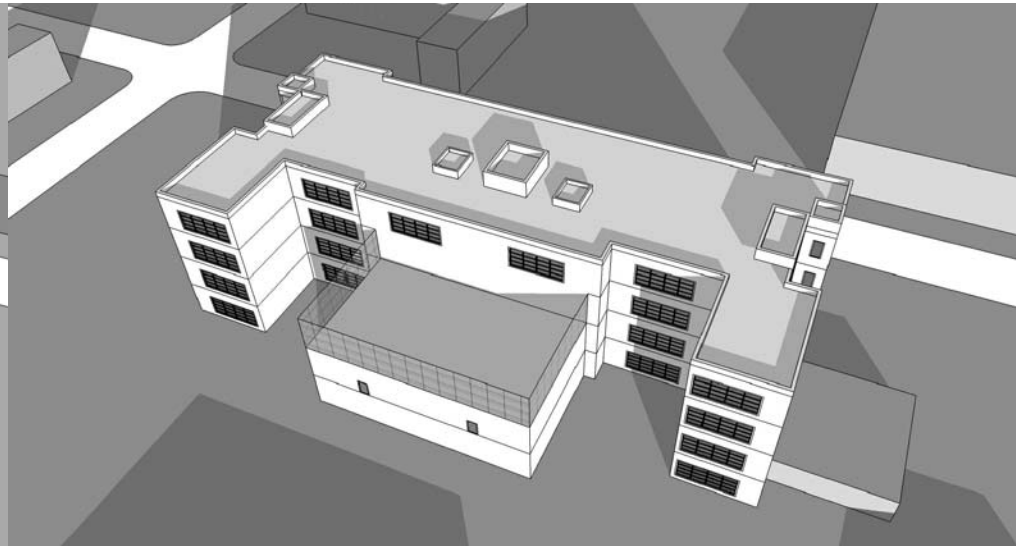
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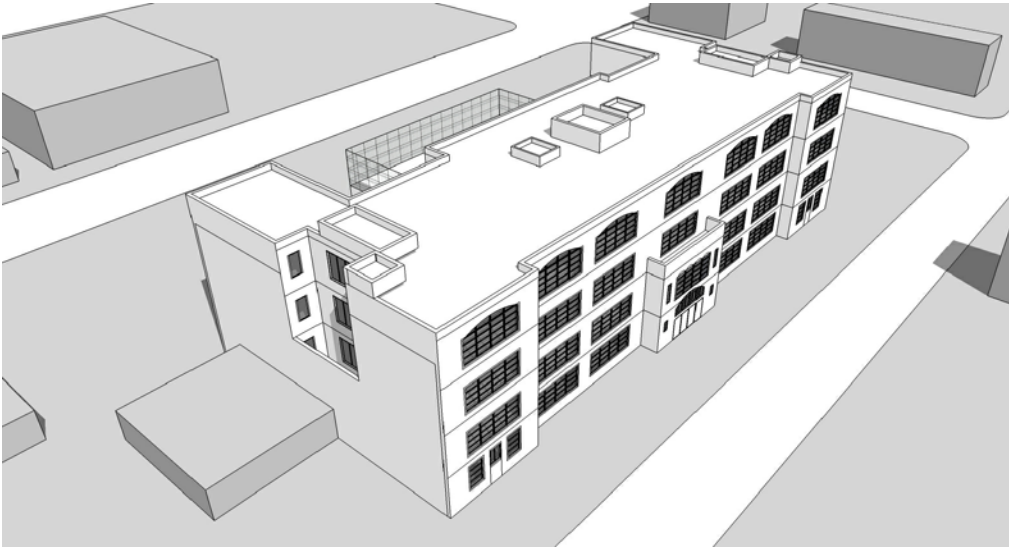
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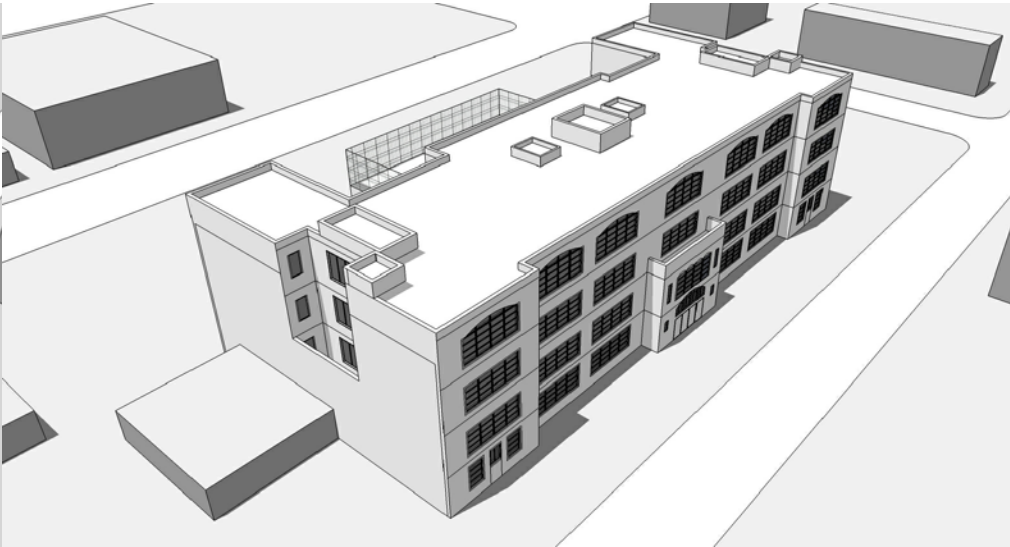
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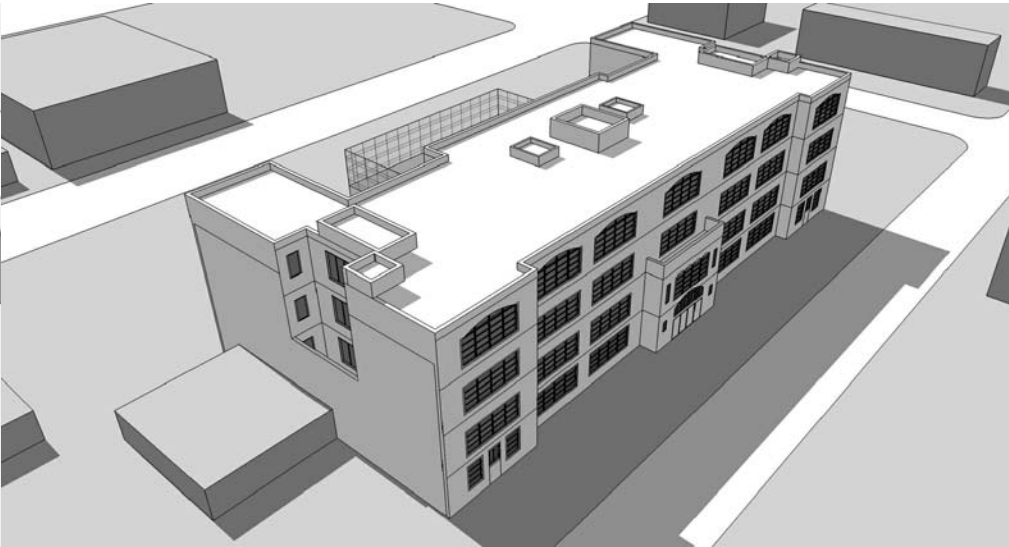




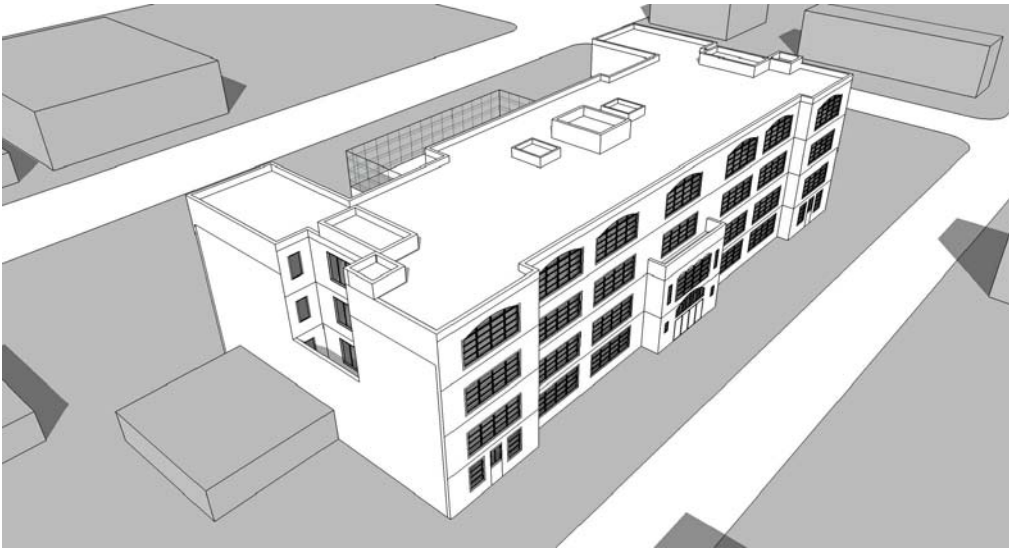
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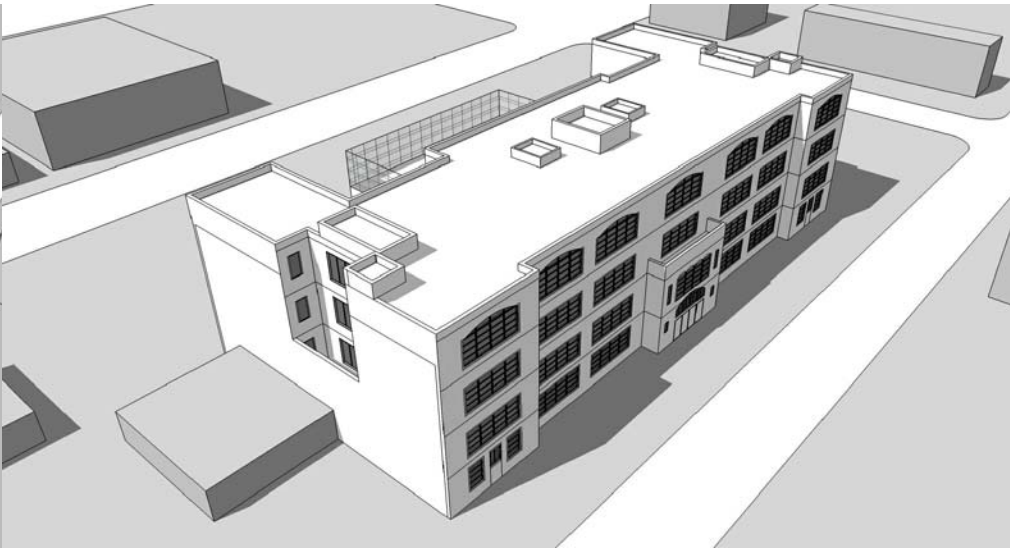
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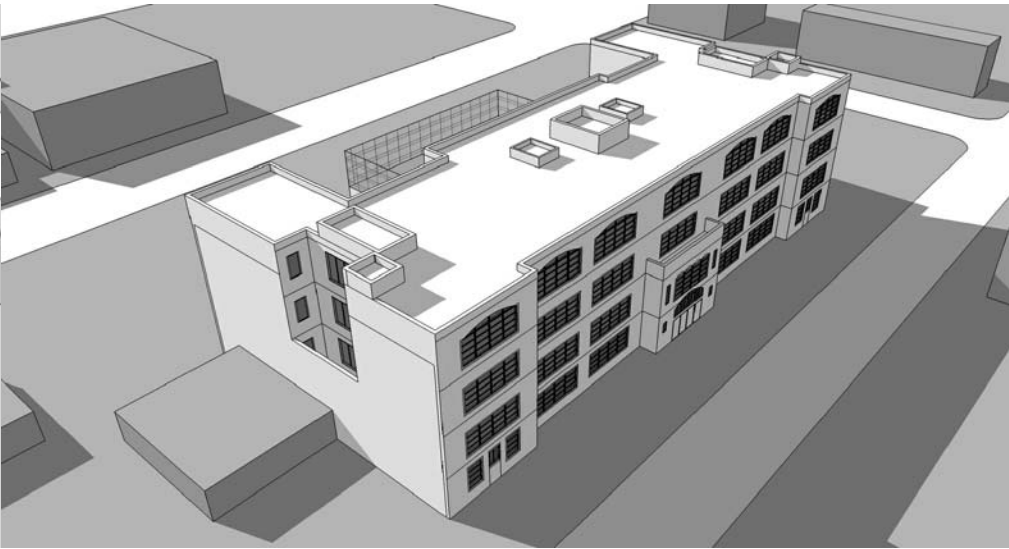
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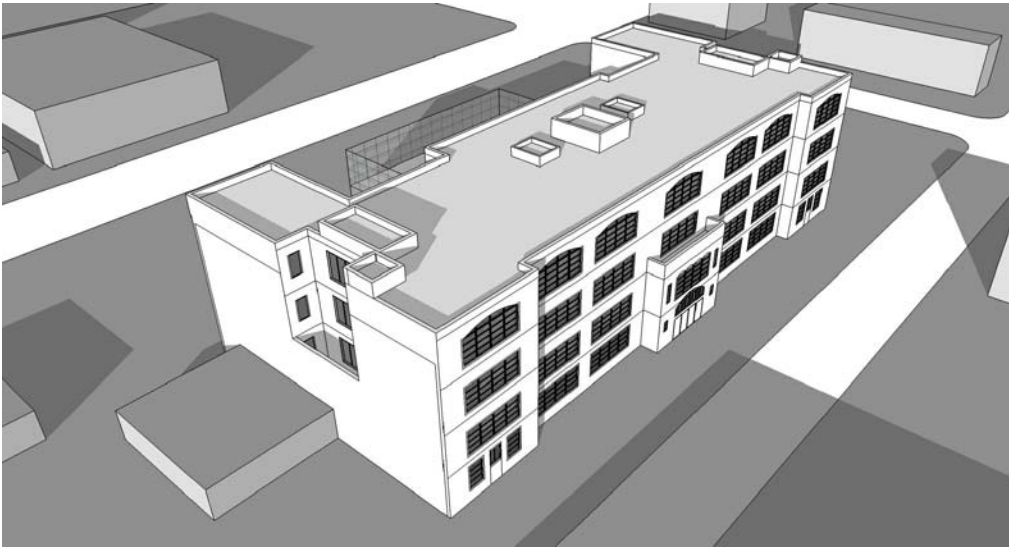
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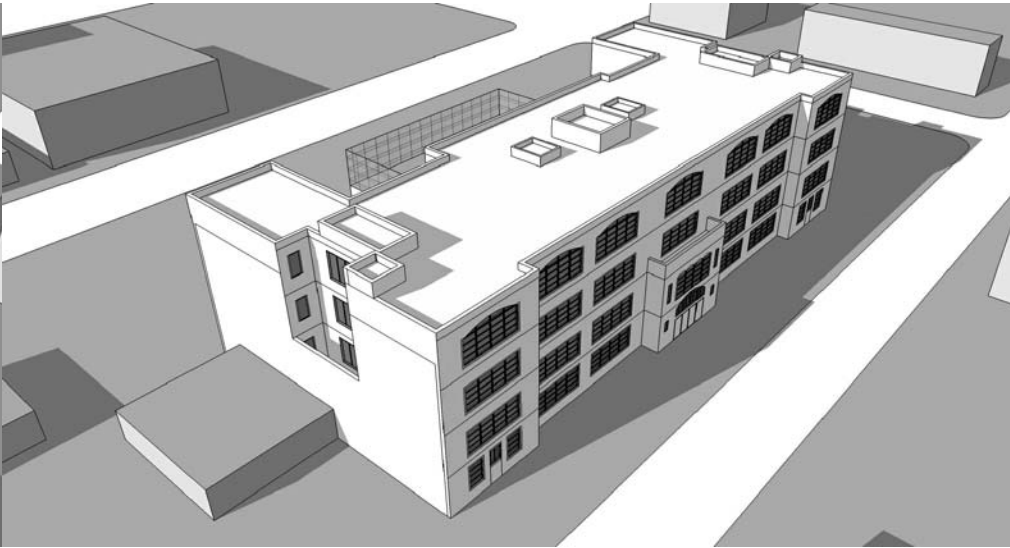
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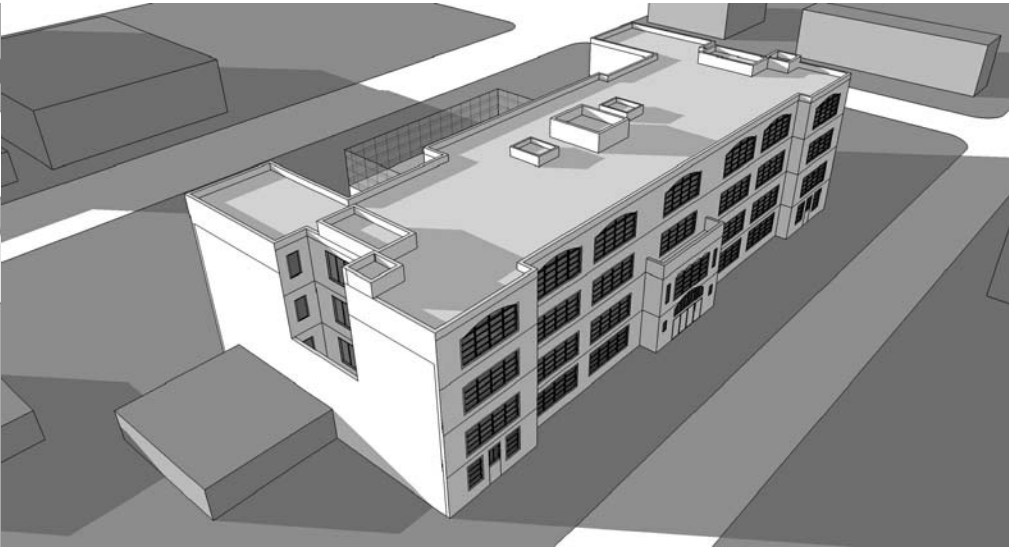
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WINTER 9:00 AM



WINTER 12:00 PM



WINTER 3:00 PM







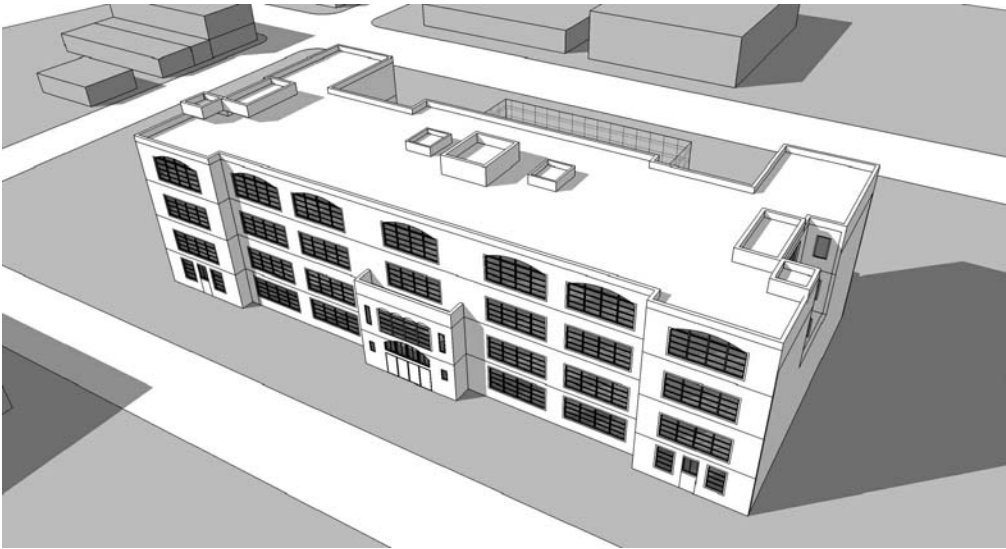
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SUMMER 12:00 PM



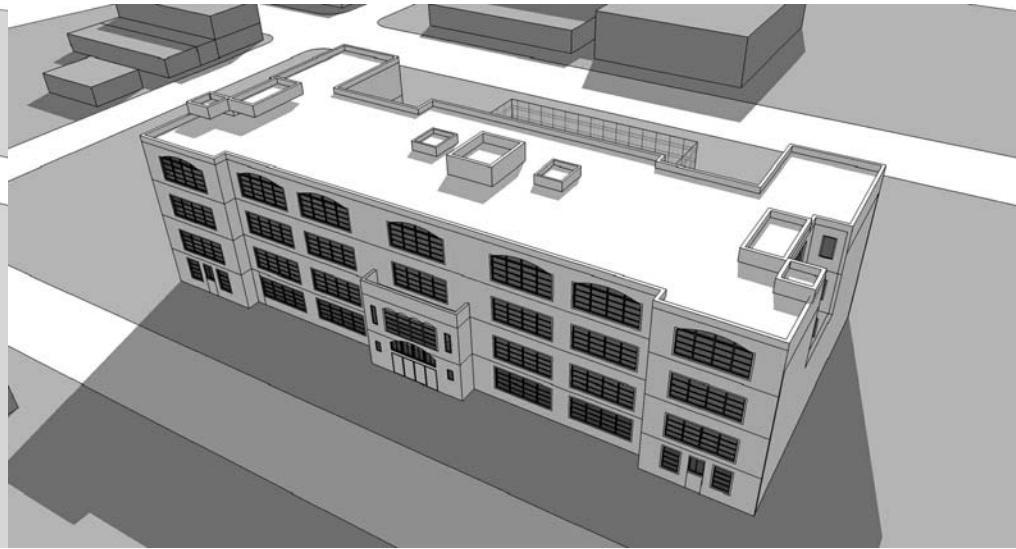
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EQUINOX 9:00 AM



EQUINOX 12:00 PM



EQUINOX 3:00 PM



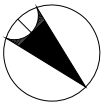
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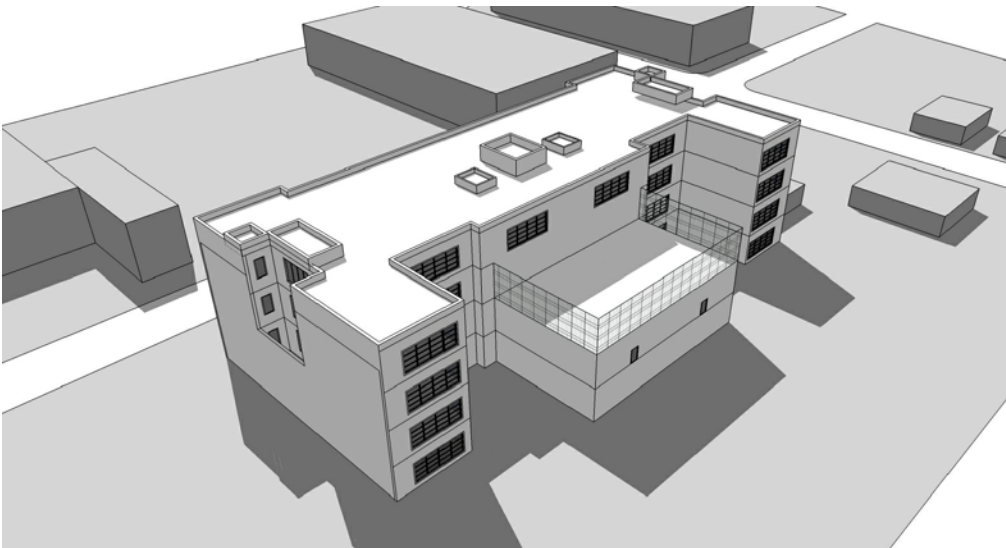
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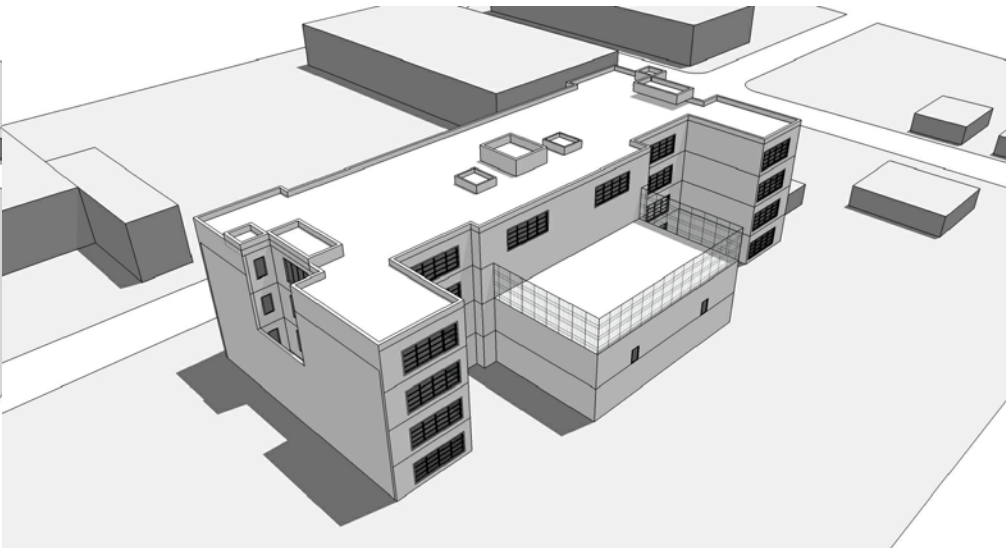
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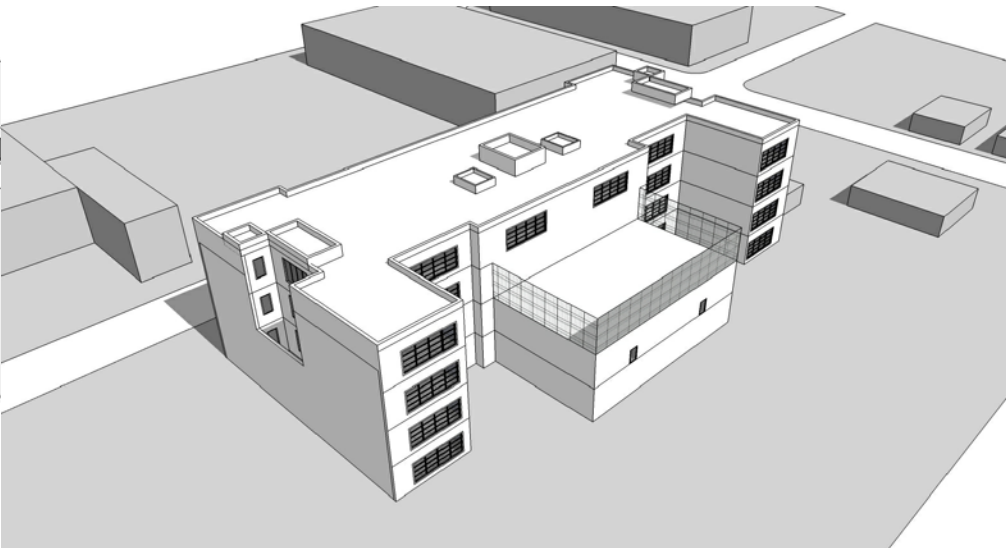




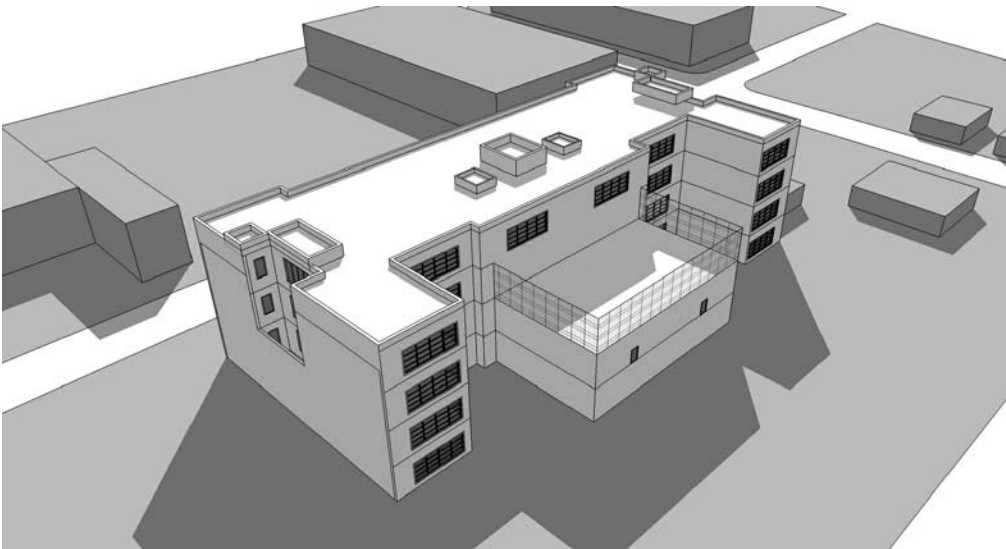
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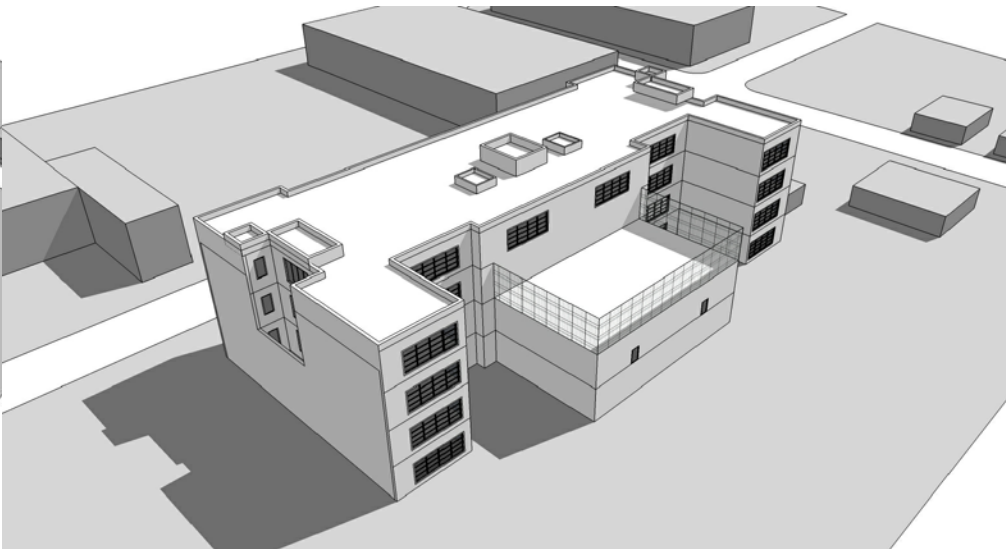
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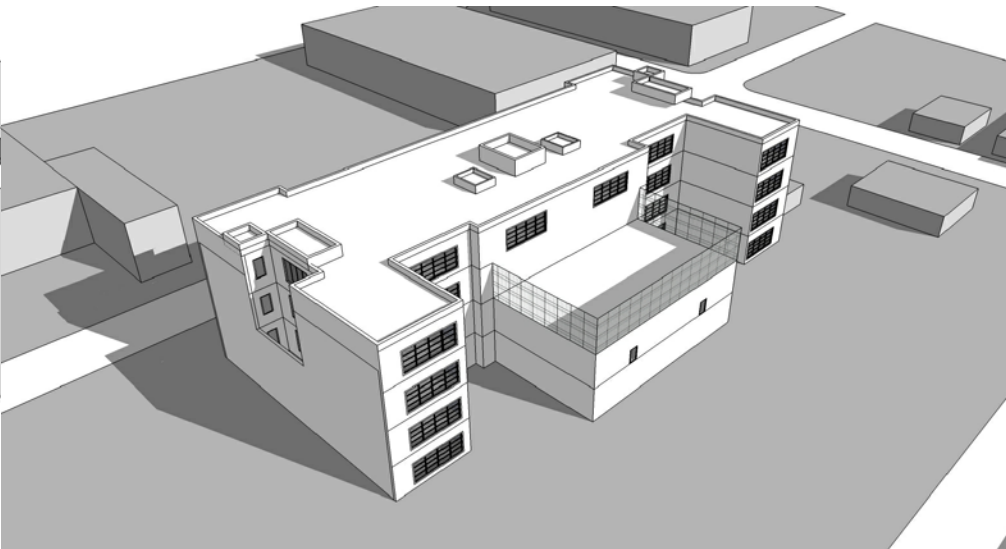
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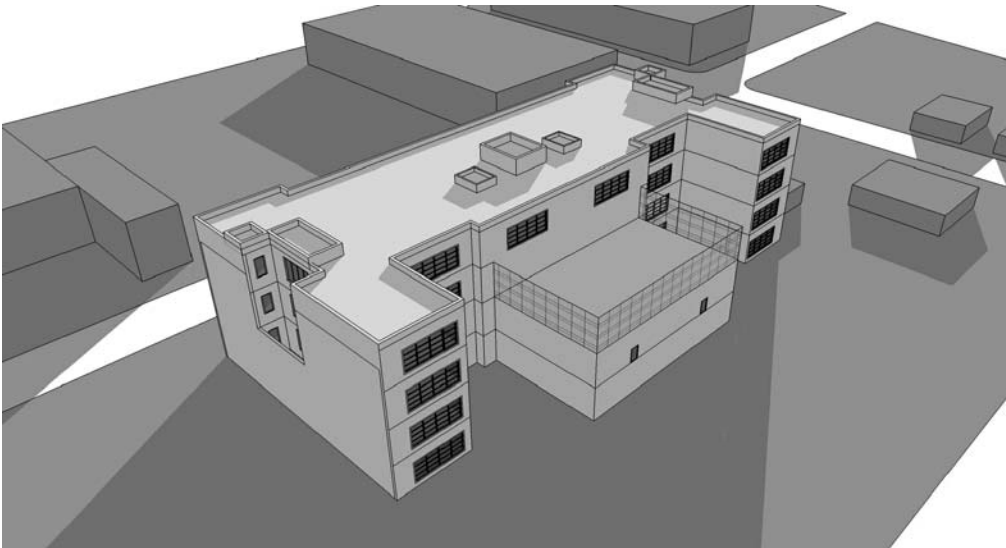
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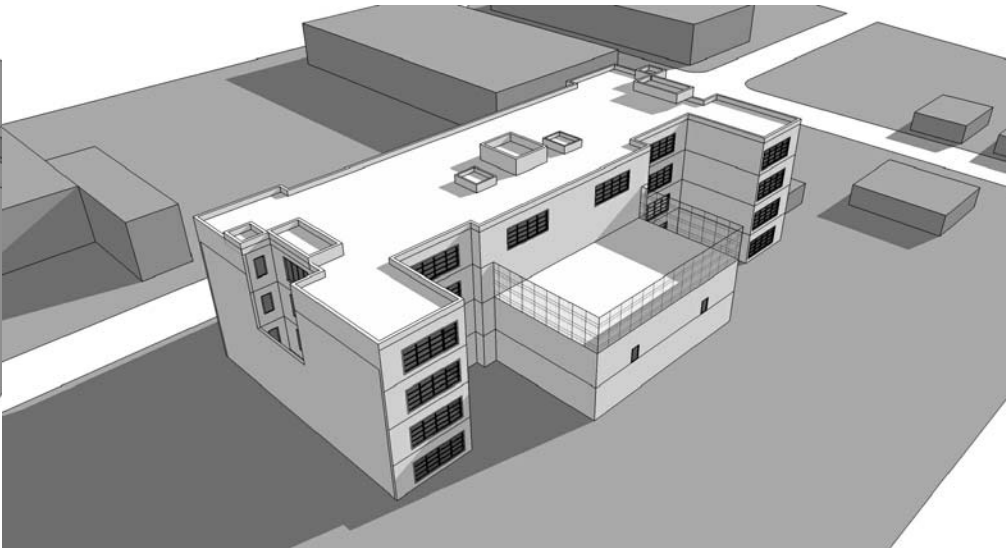
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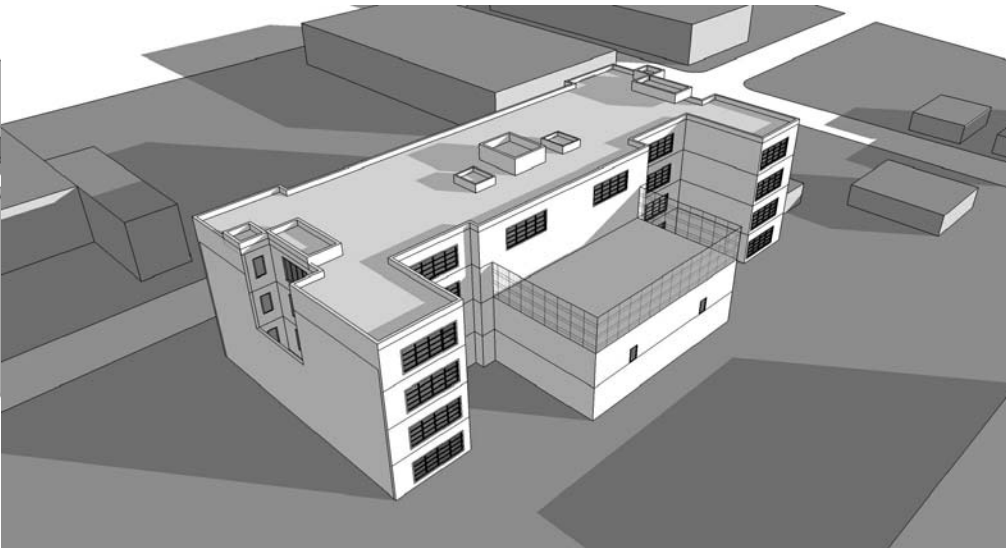
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