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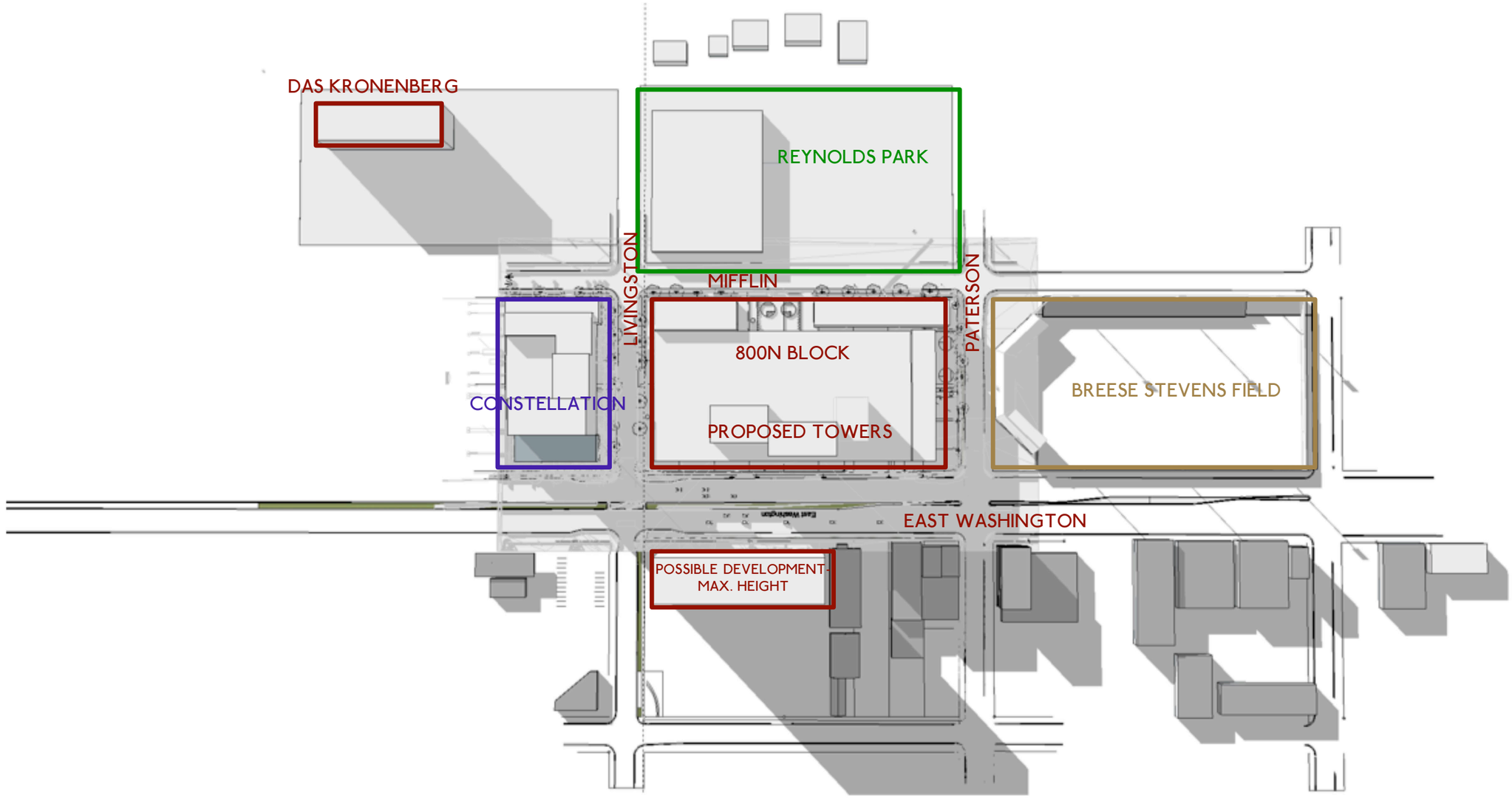
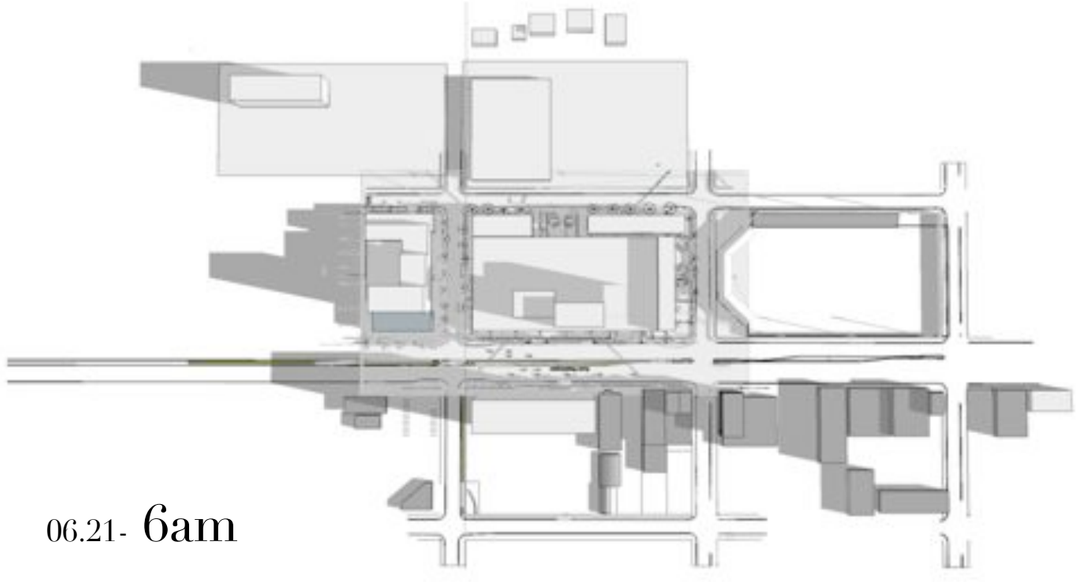
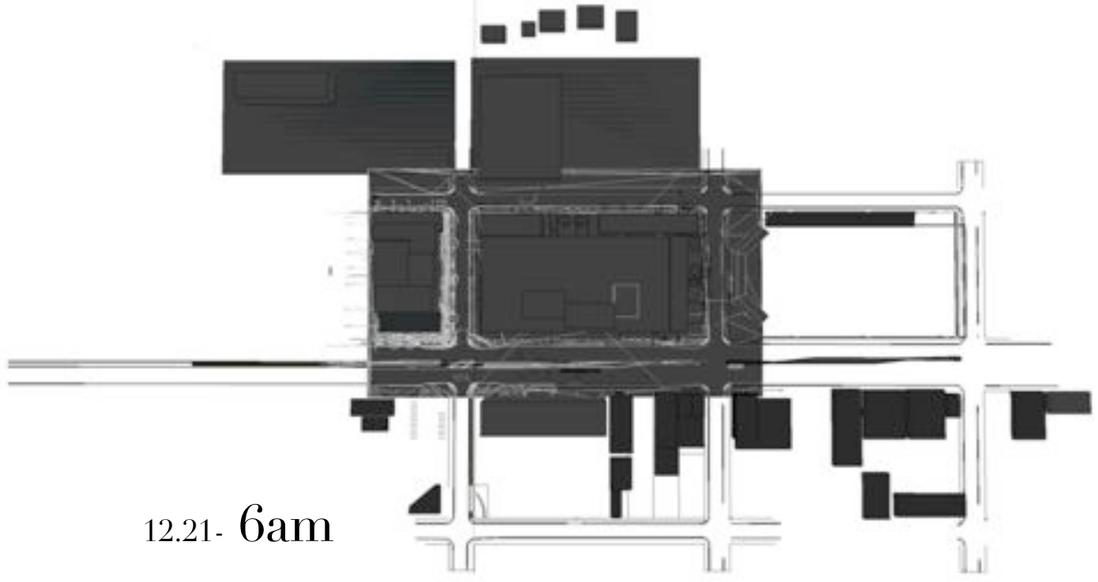

DAS KRONENBERG
REYNOLDS PARK
LIVINGSTON
MIFFLIN
PATERSON
800N BLOCK
CONSTELLATION
BREESE STEVENS FIELD
PROPOSED TOWERS
EAST WASHINGTON
POSSIBLE DEVELOPMENT-
MAX. HEIGHT

CENTER TOWER TO CAPITOL HEIGHT LIMIT



06.21- 6am



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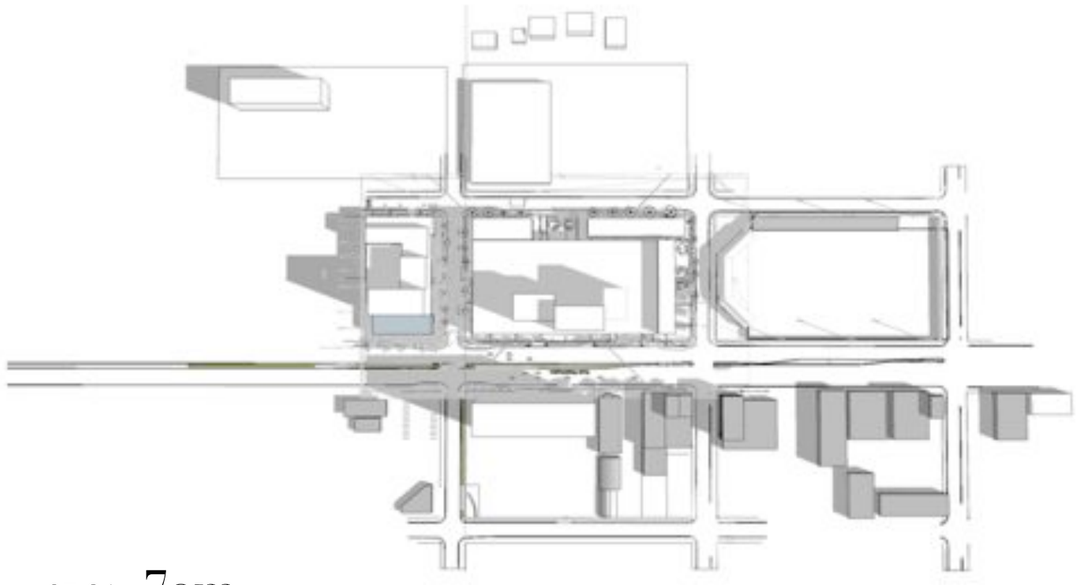

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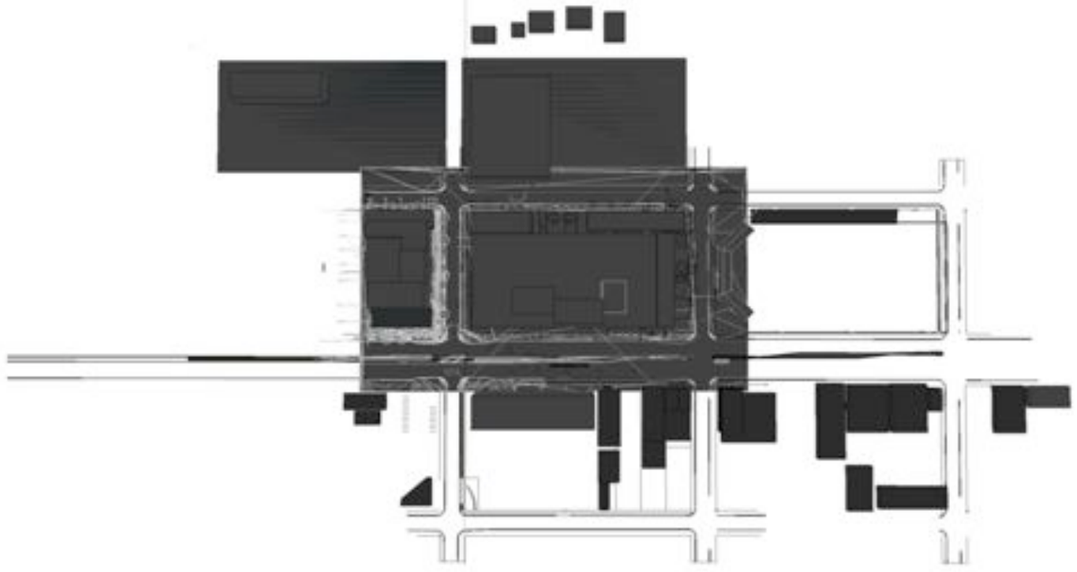

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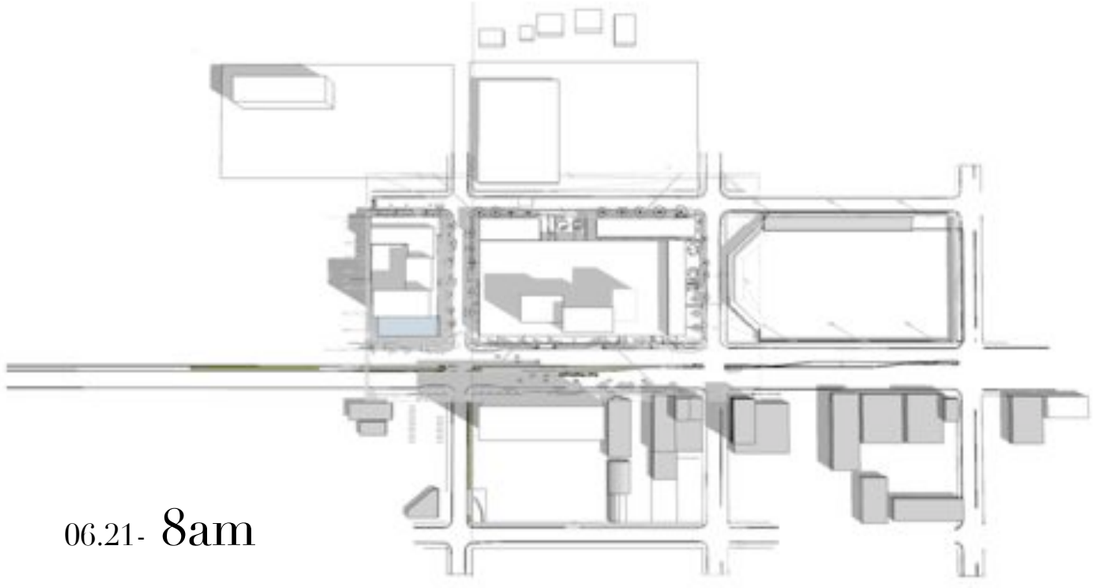

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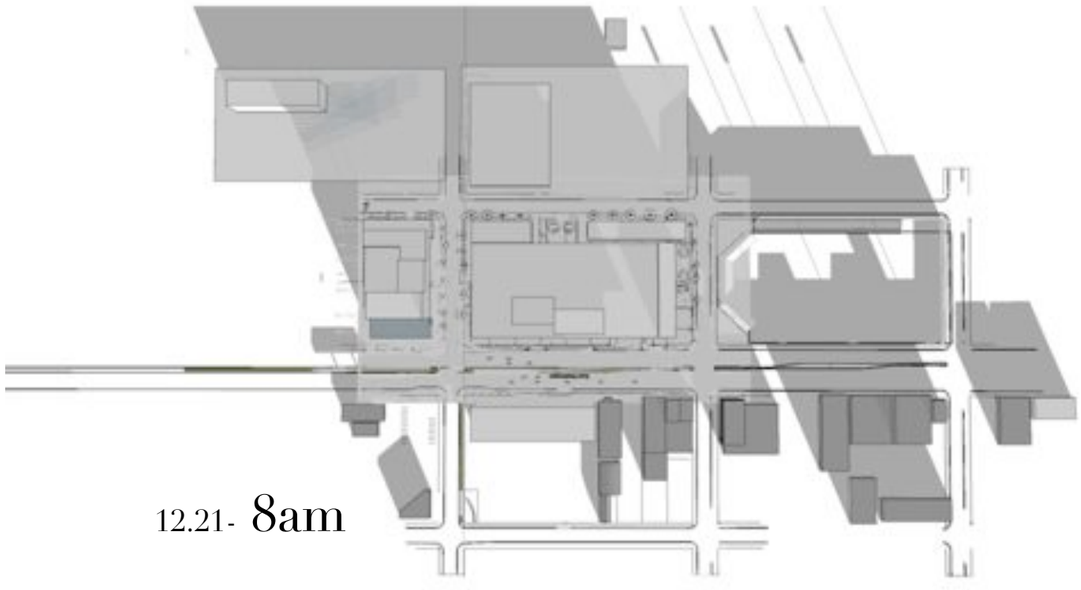

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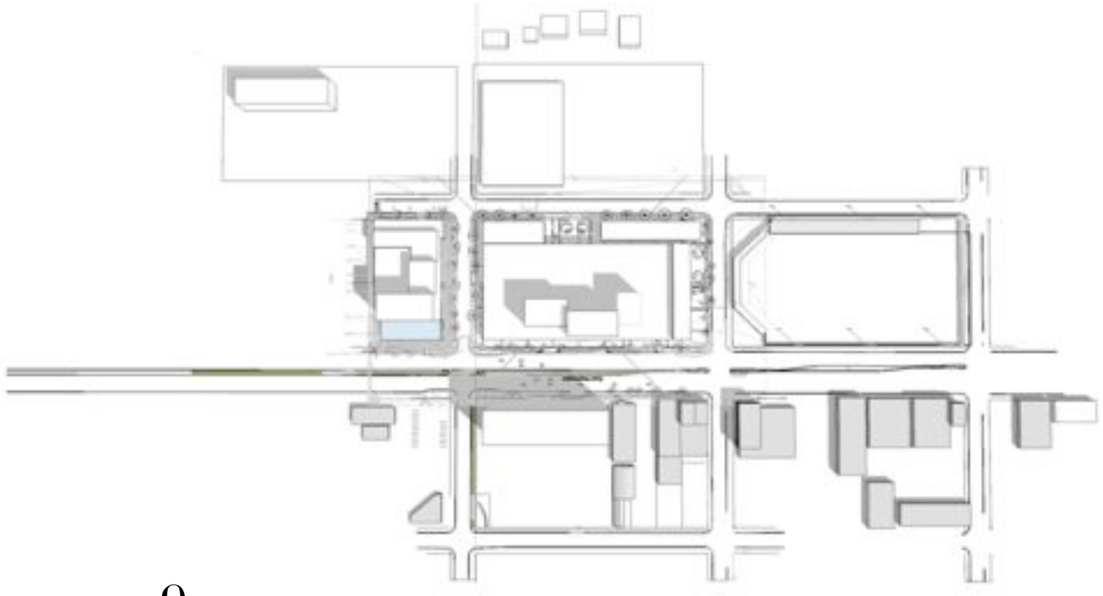

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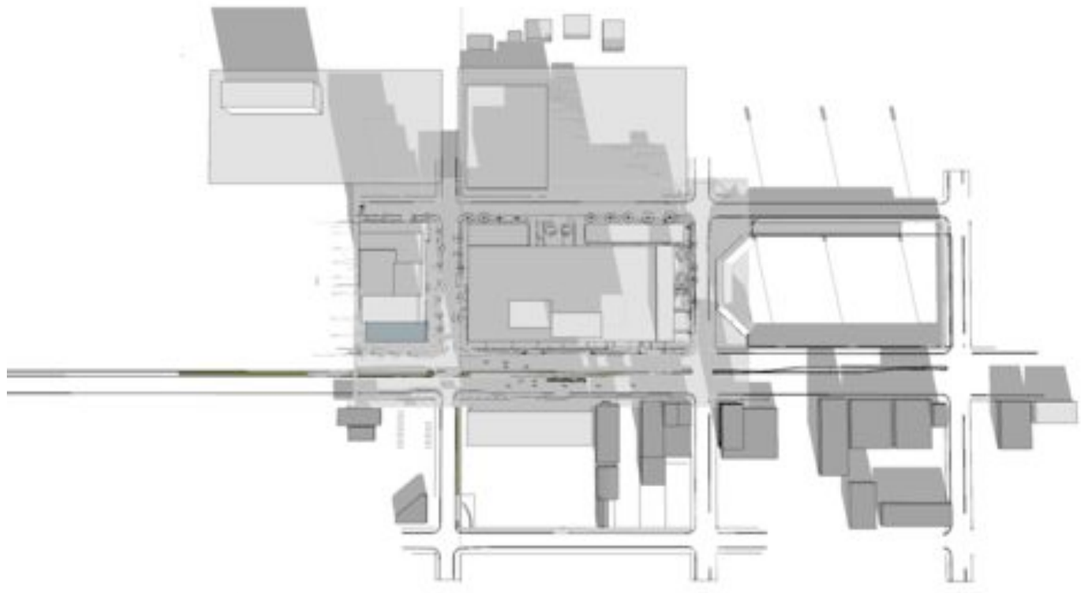

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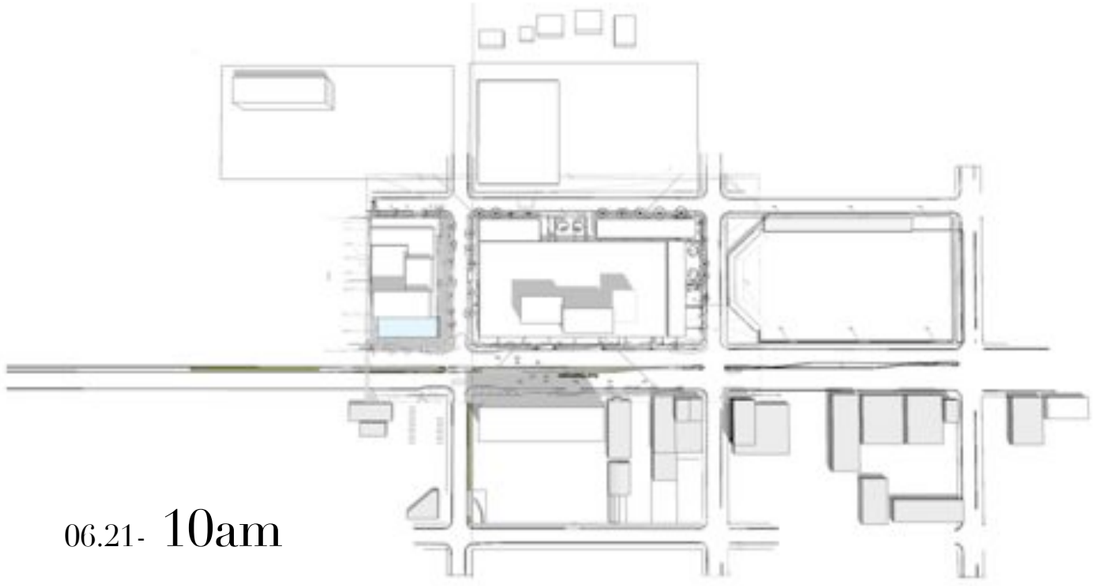

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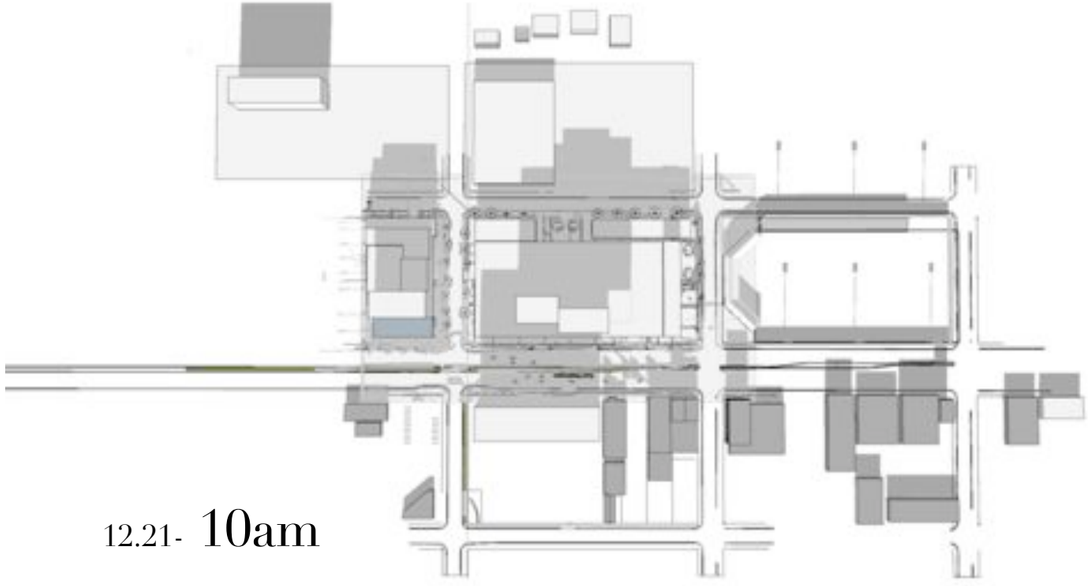

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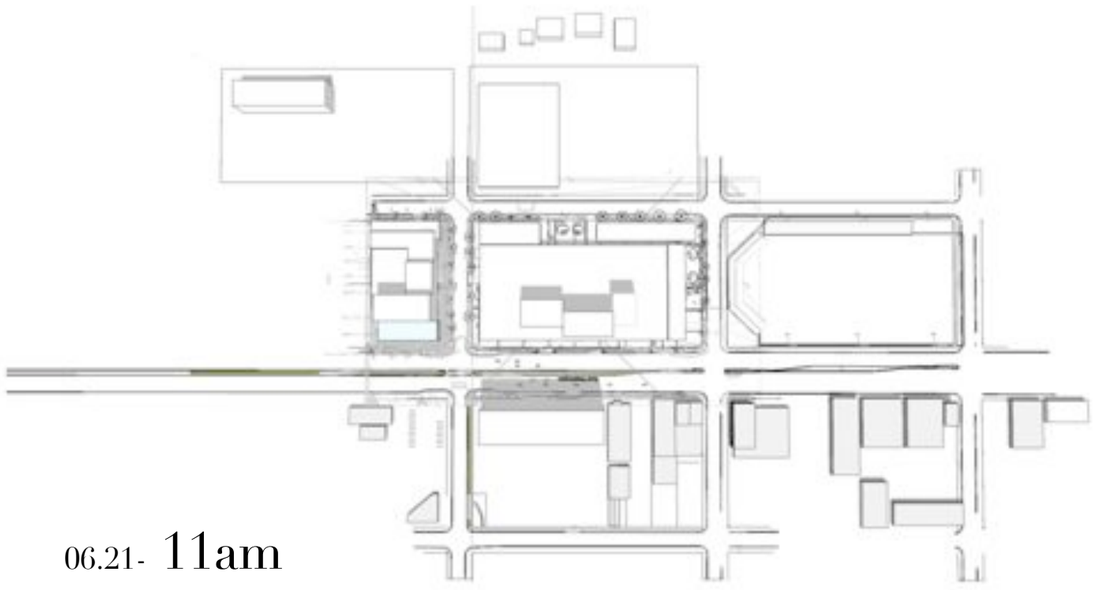

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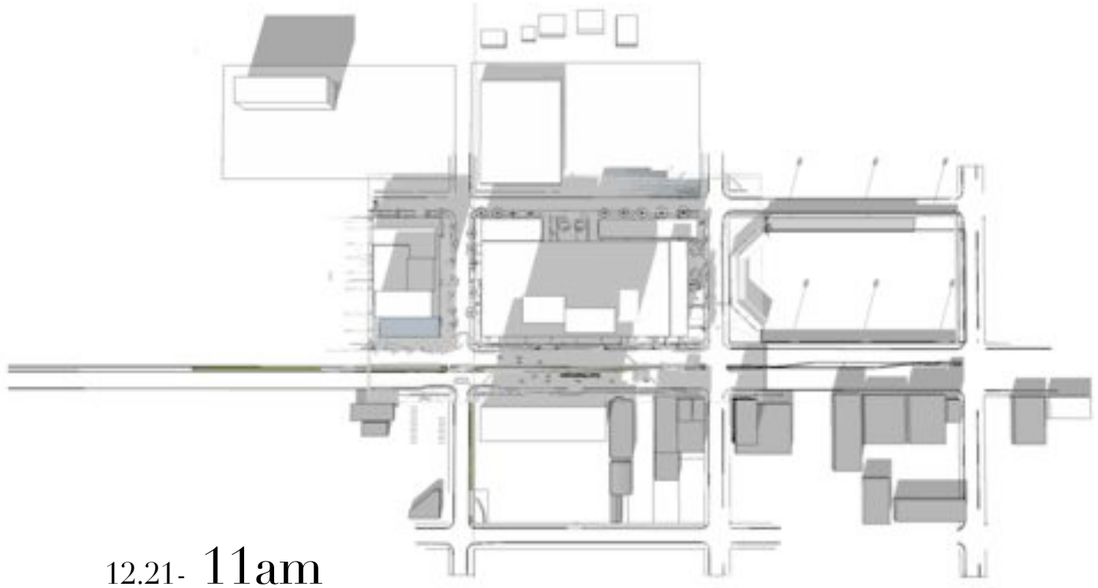

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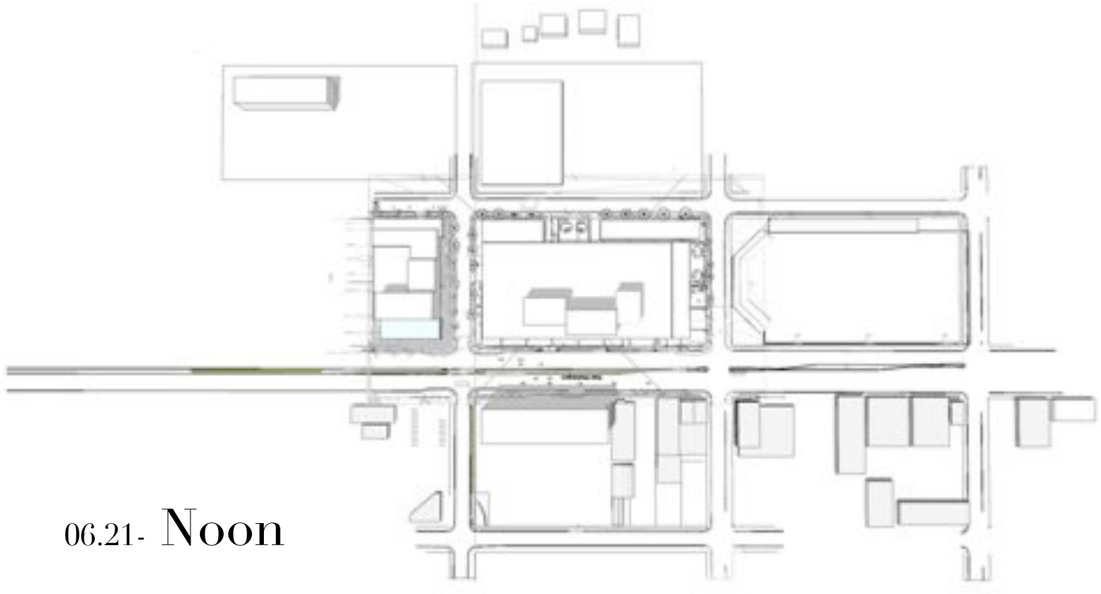

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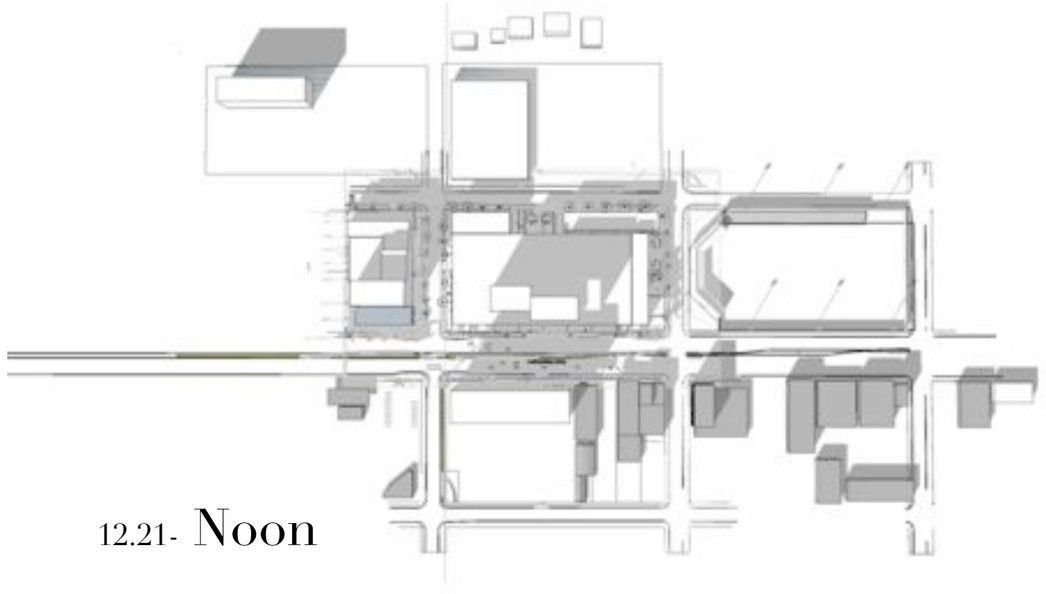

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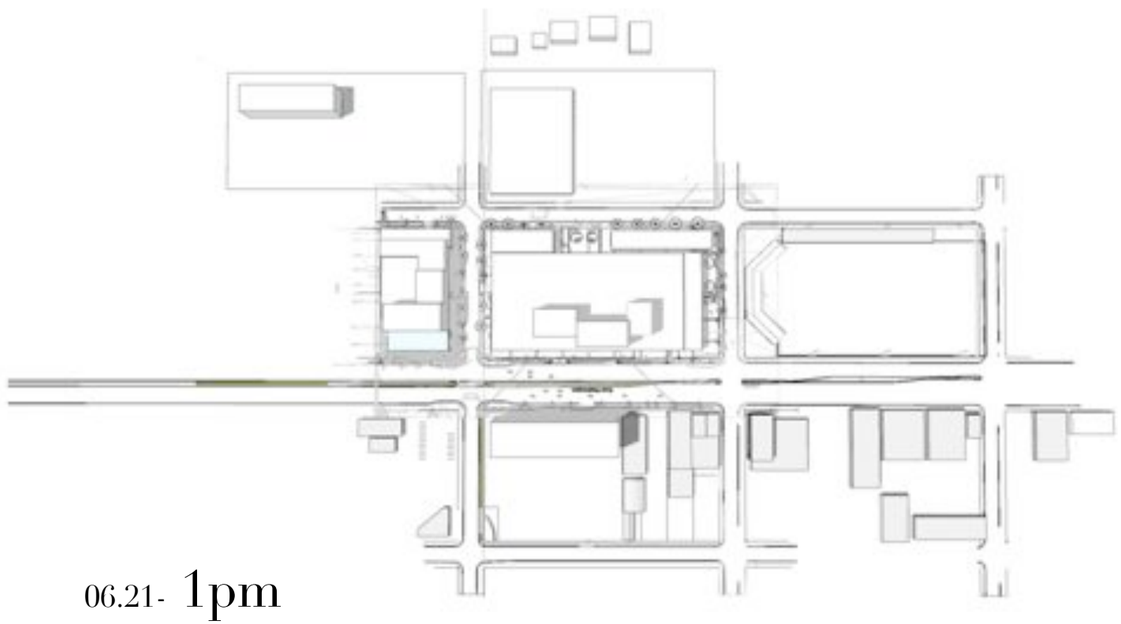

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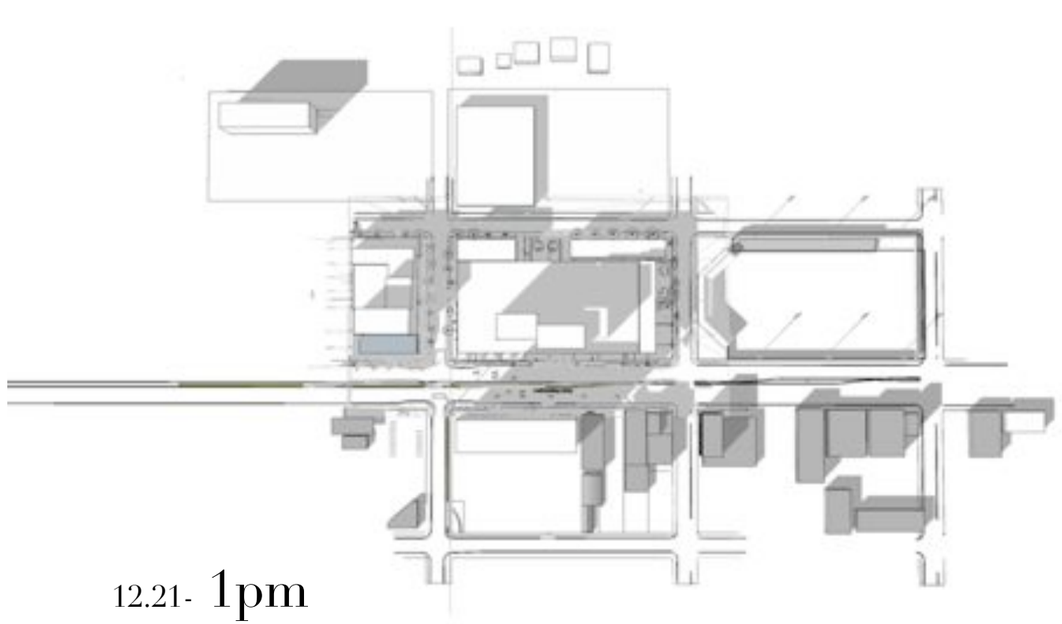

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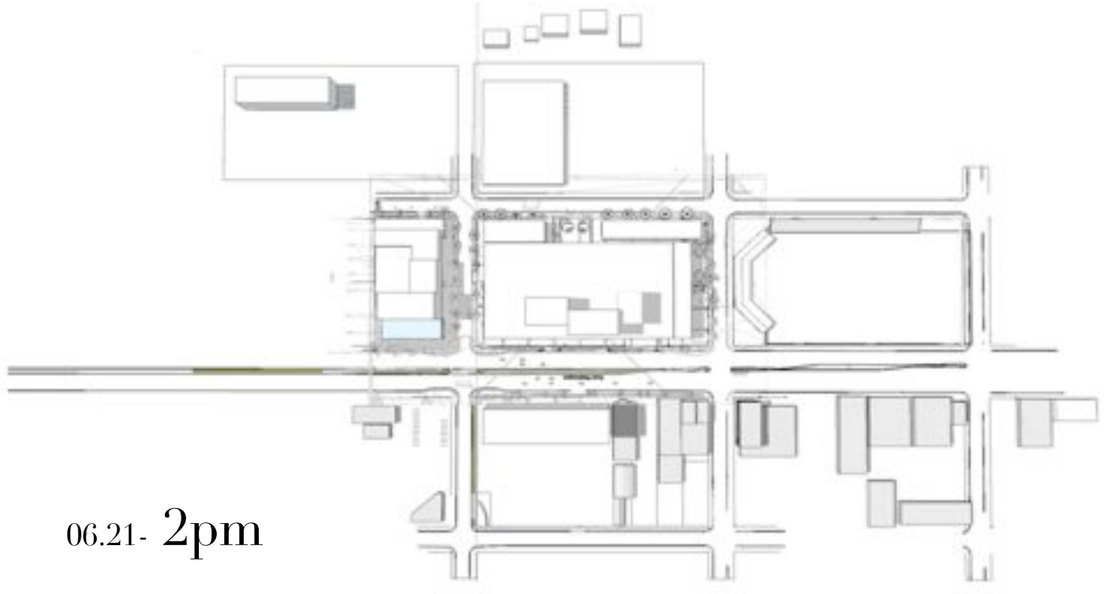

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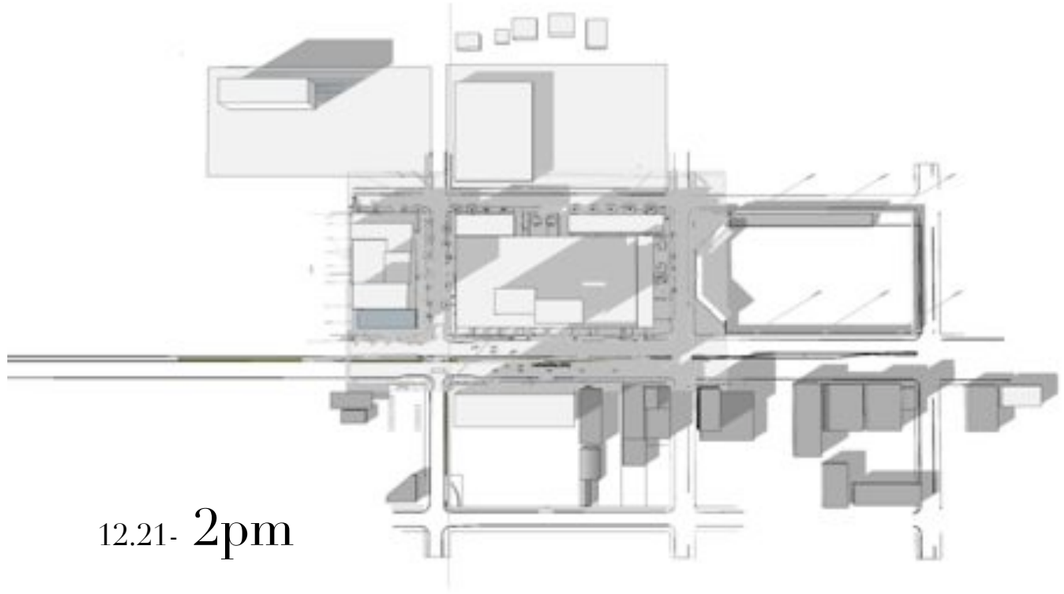

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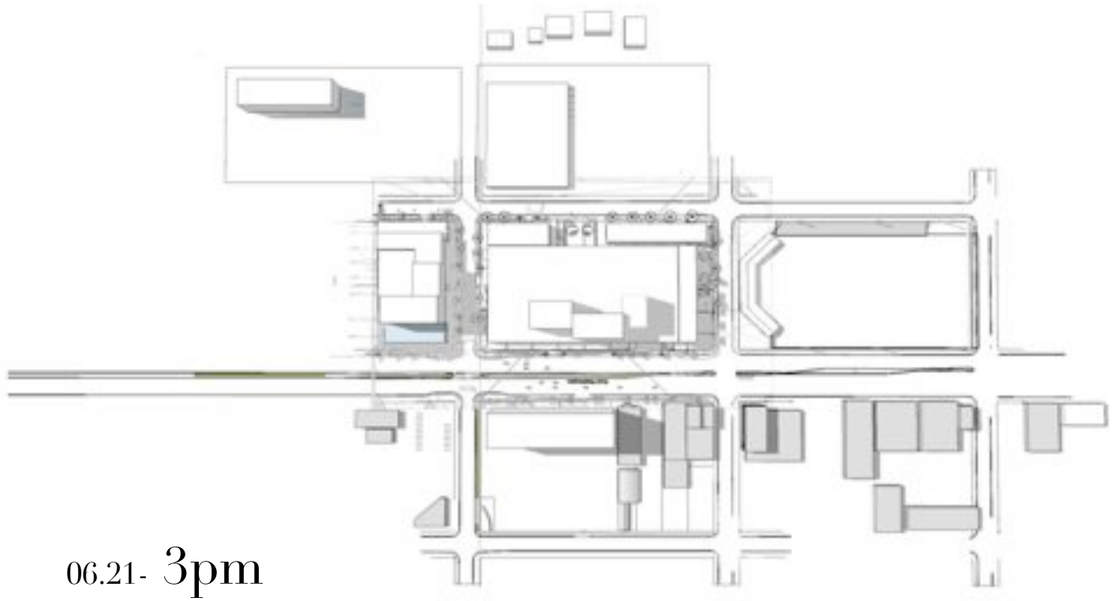

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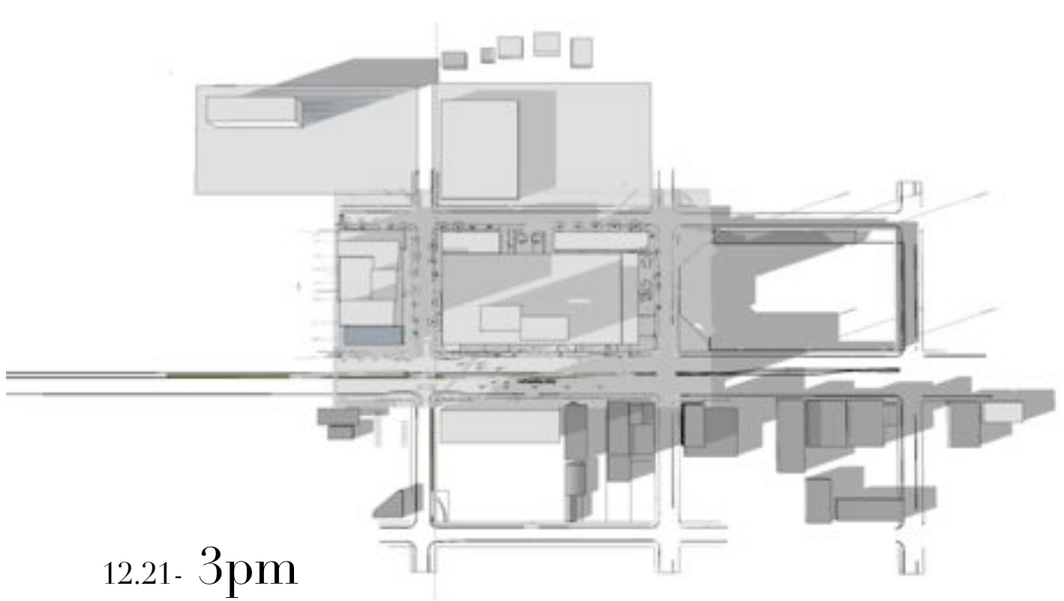

12.21- 3pm

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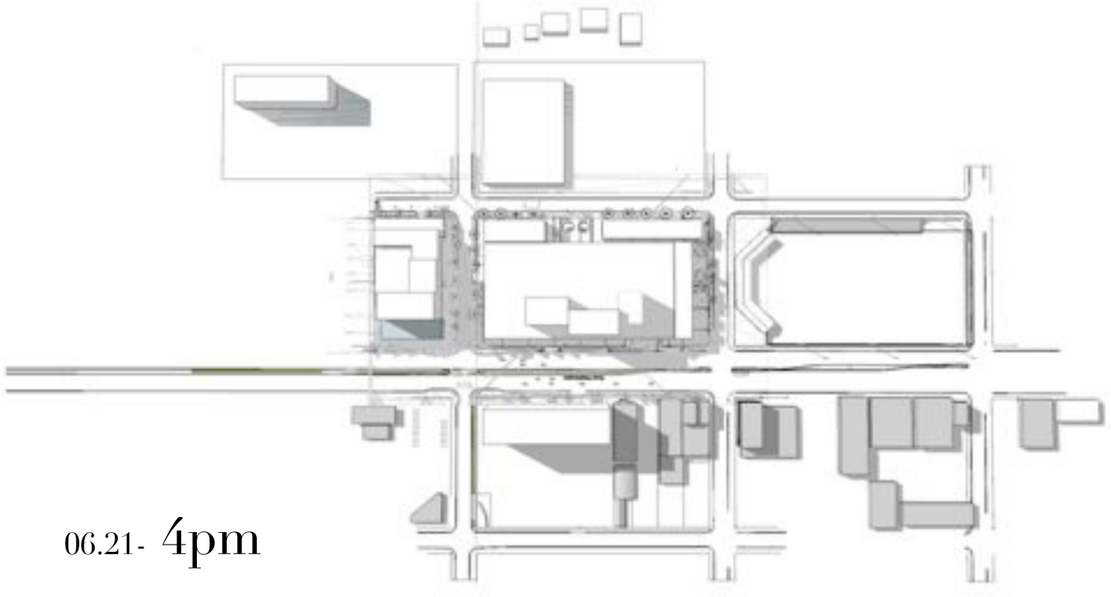

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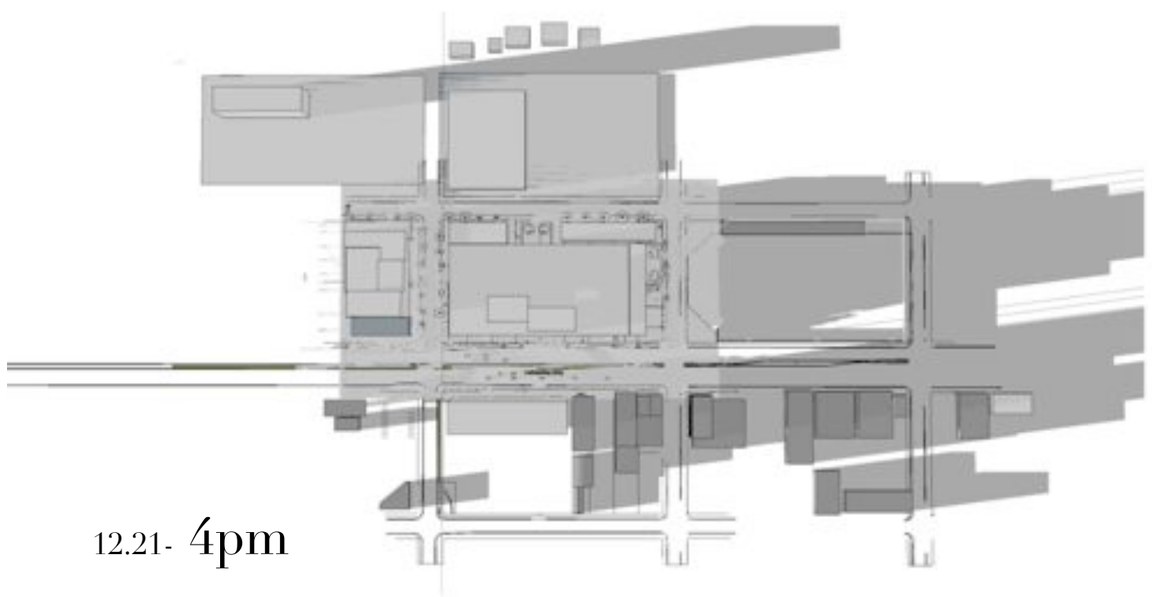

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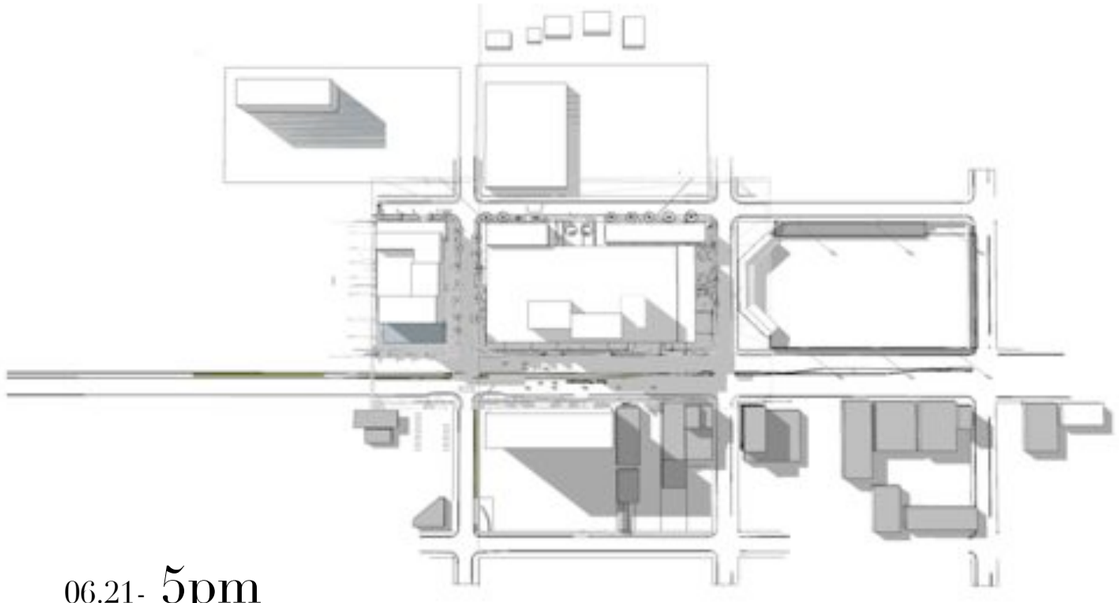

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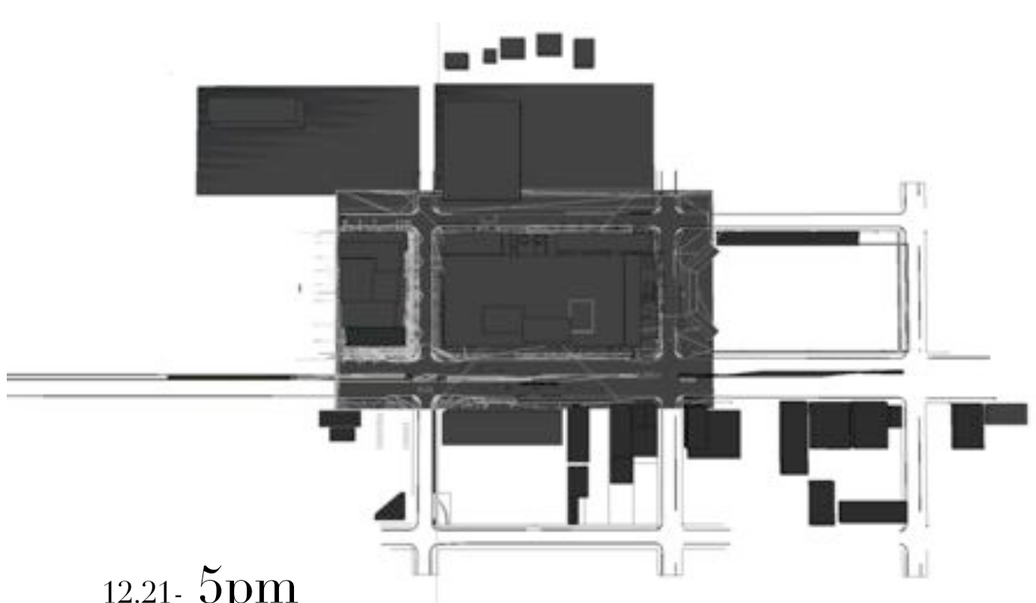

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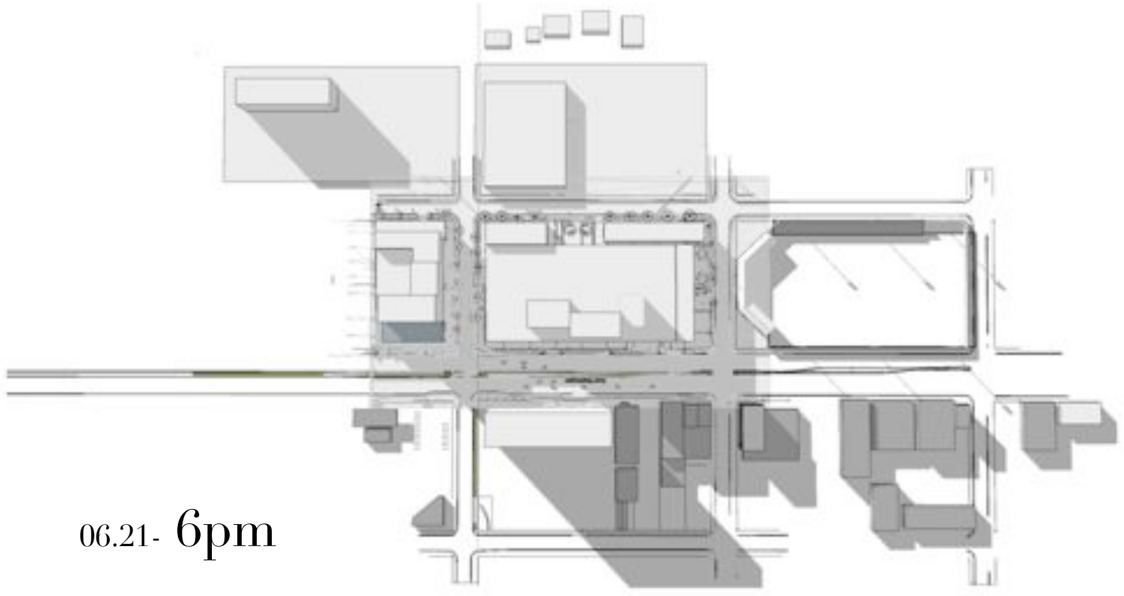

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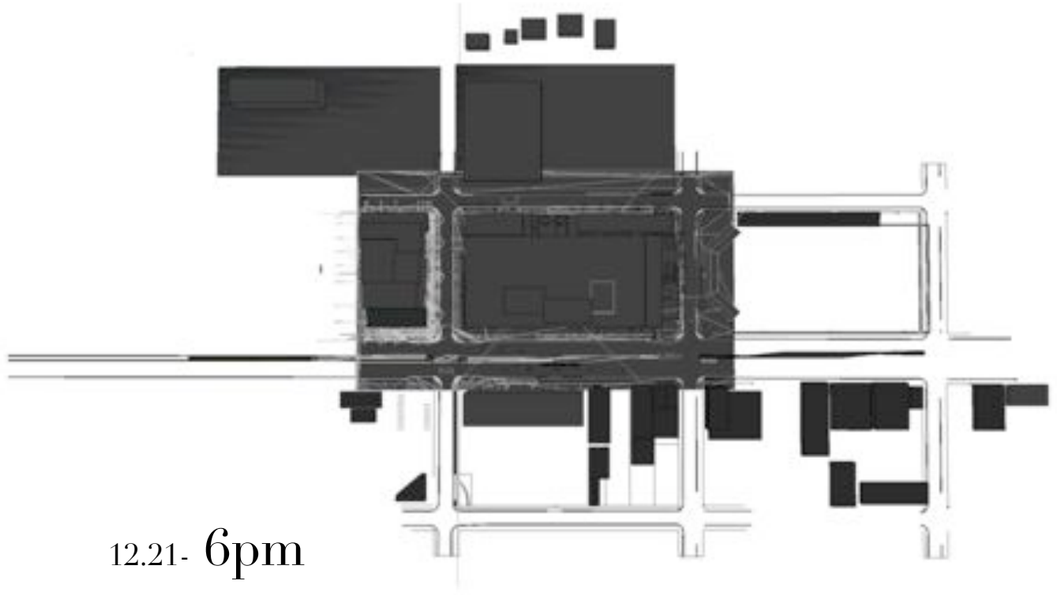

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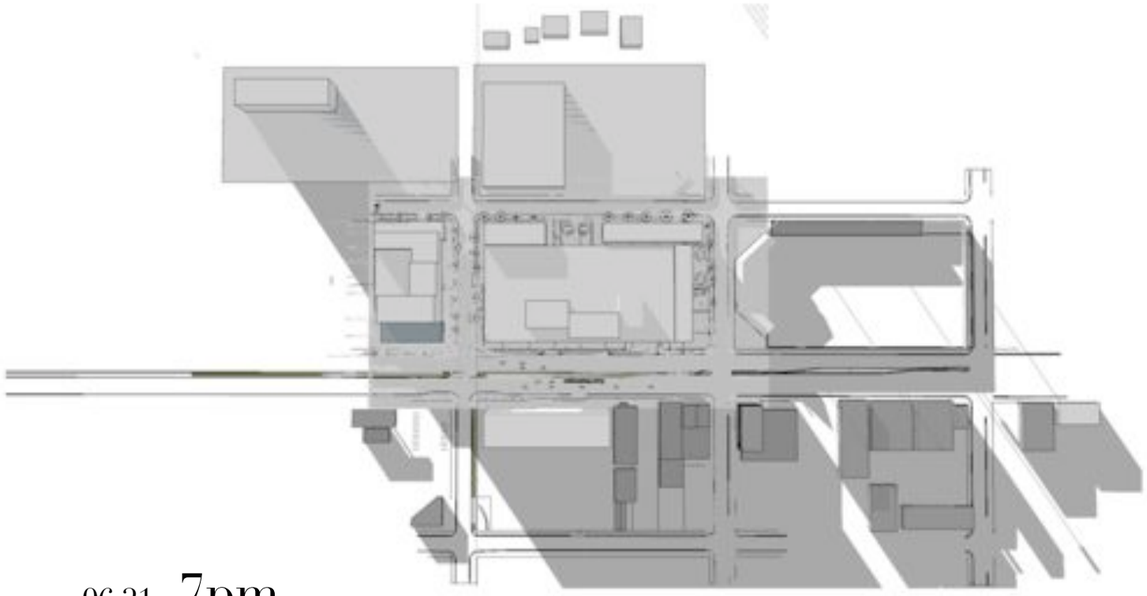

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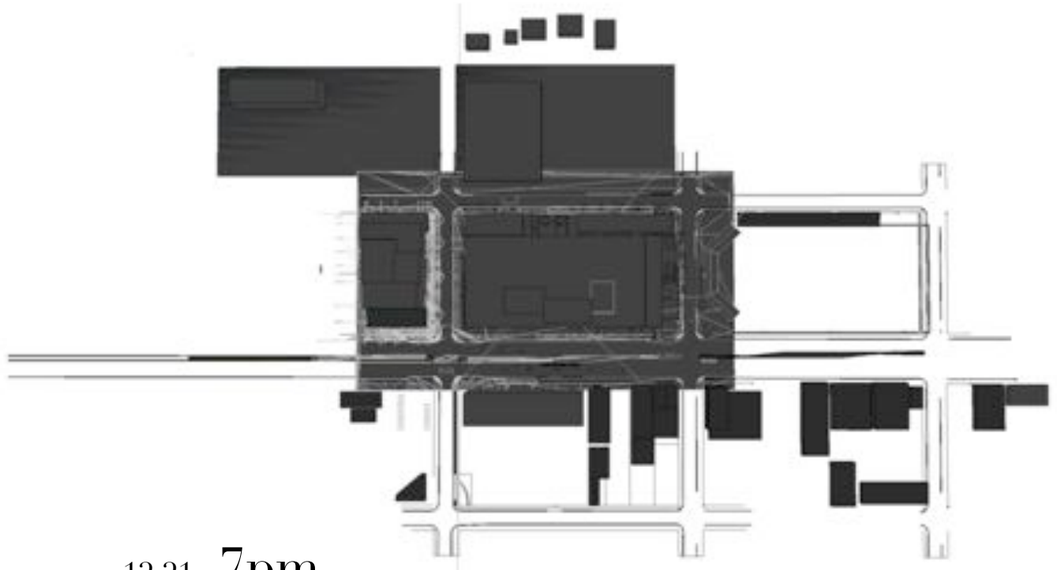

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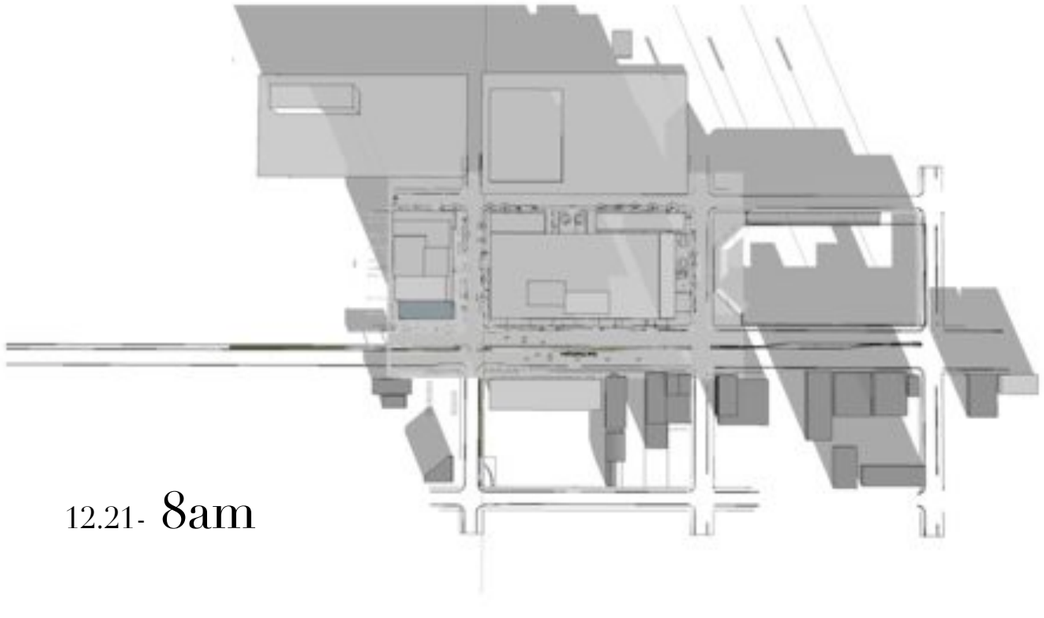

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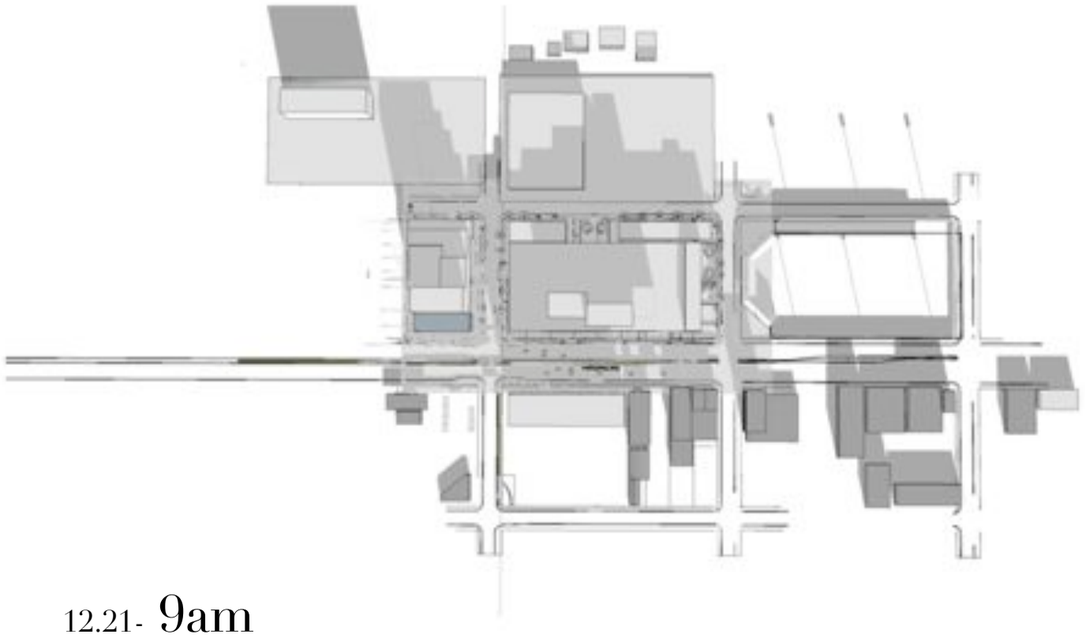

12.21- 9am

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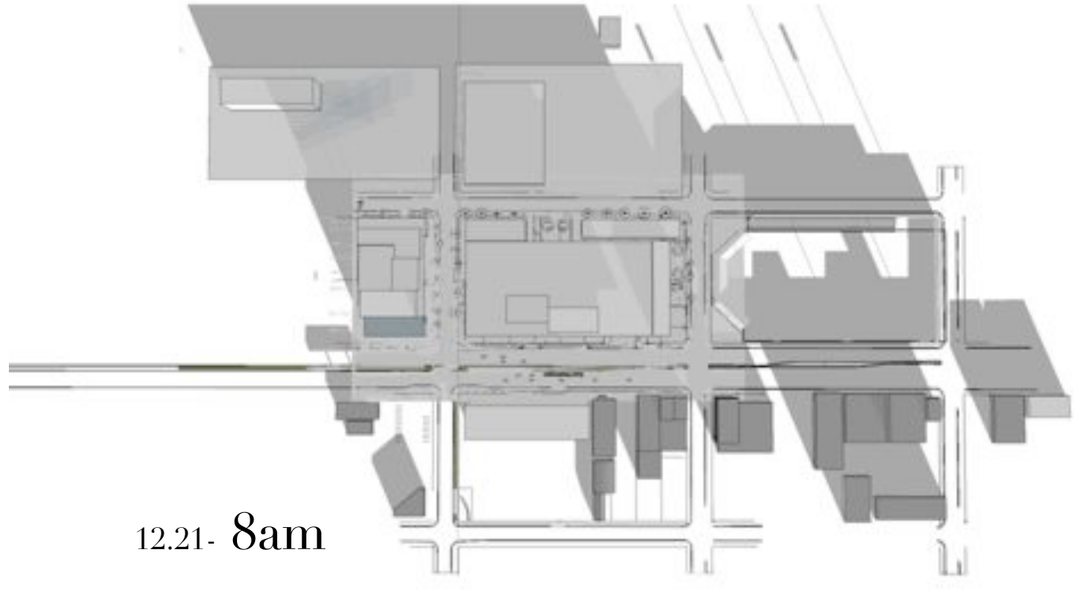

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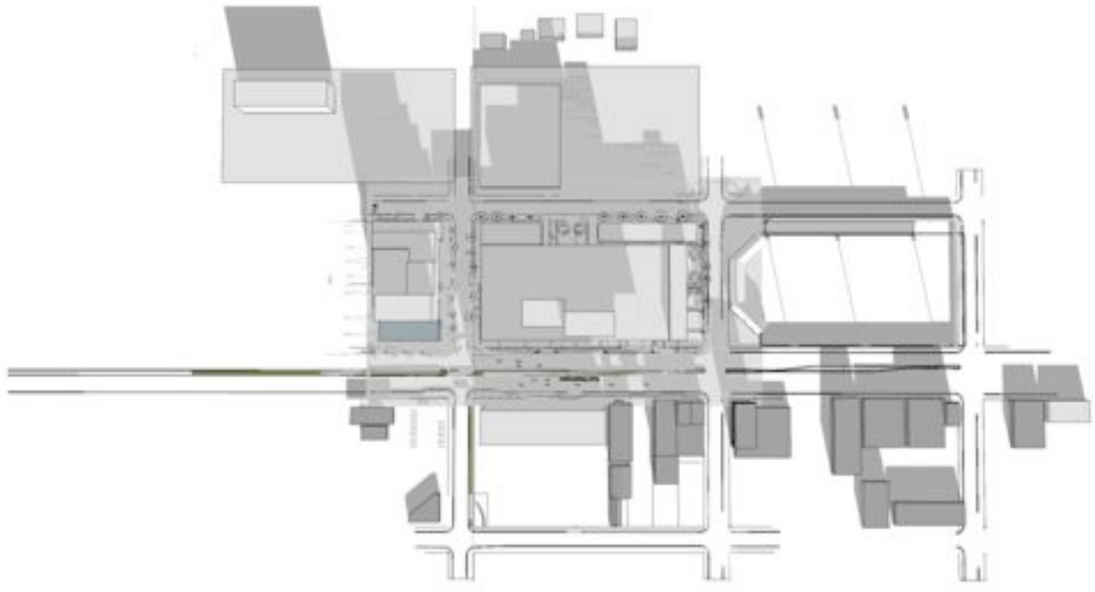

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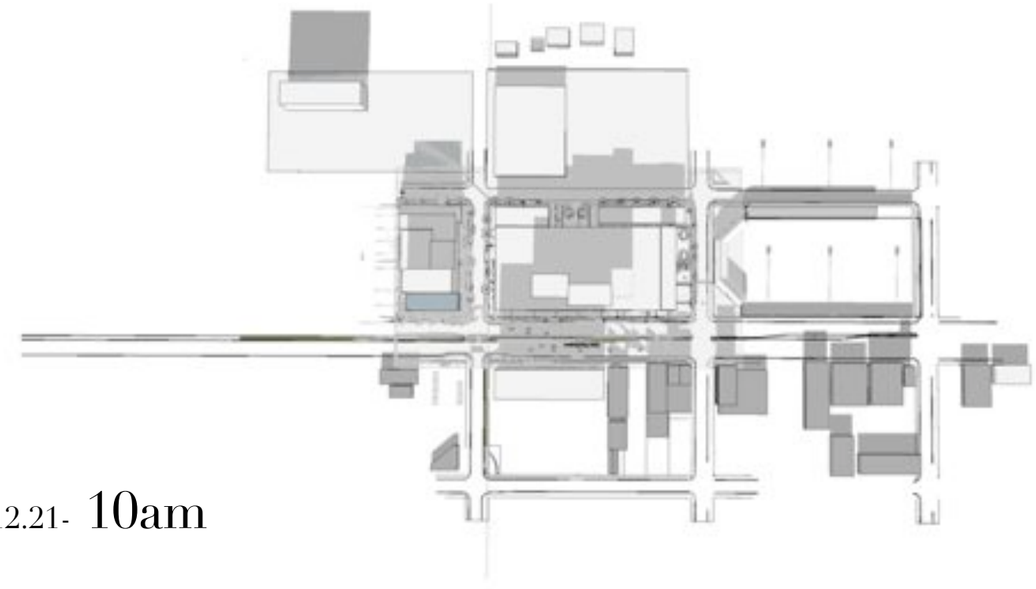

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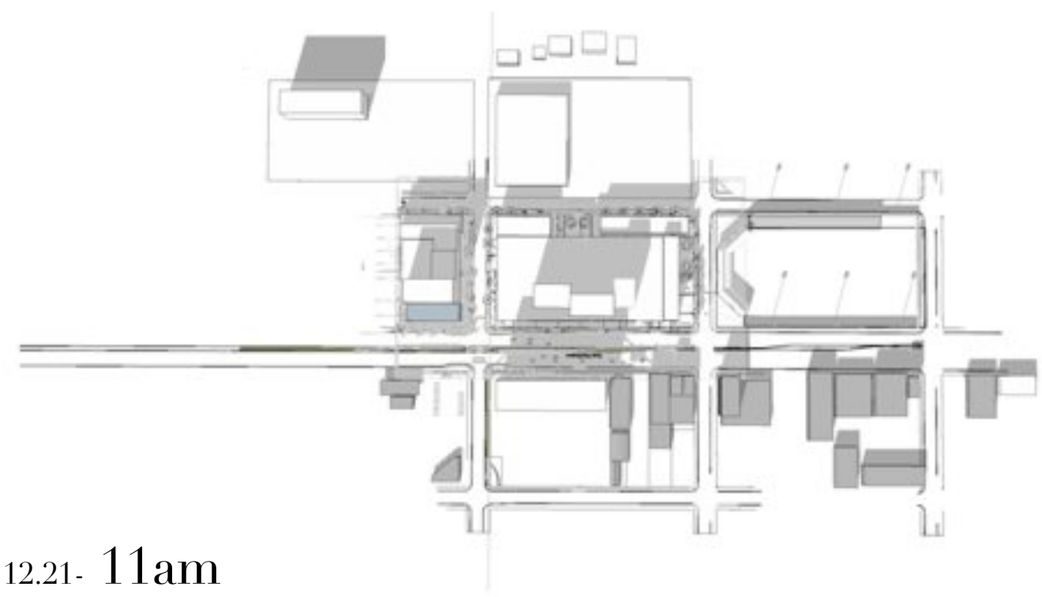

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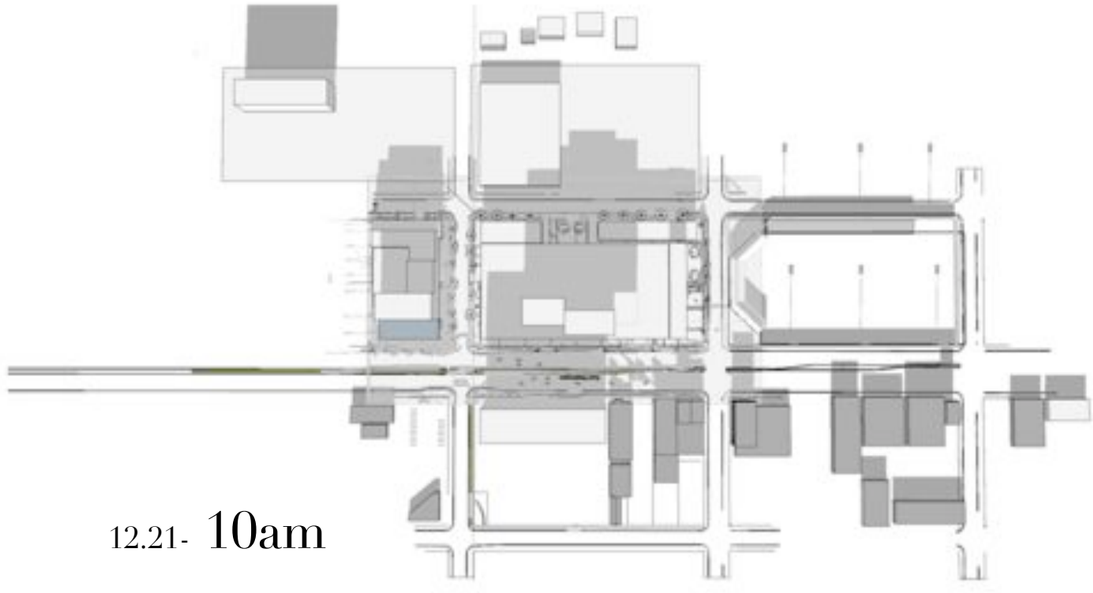

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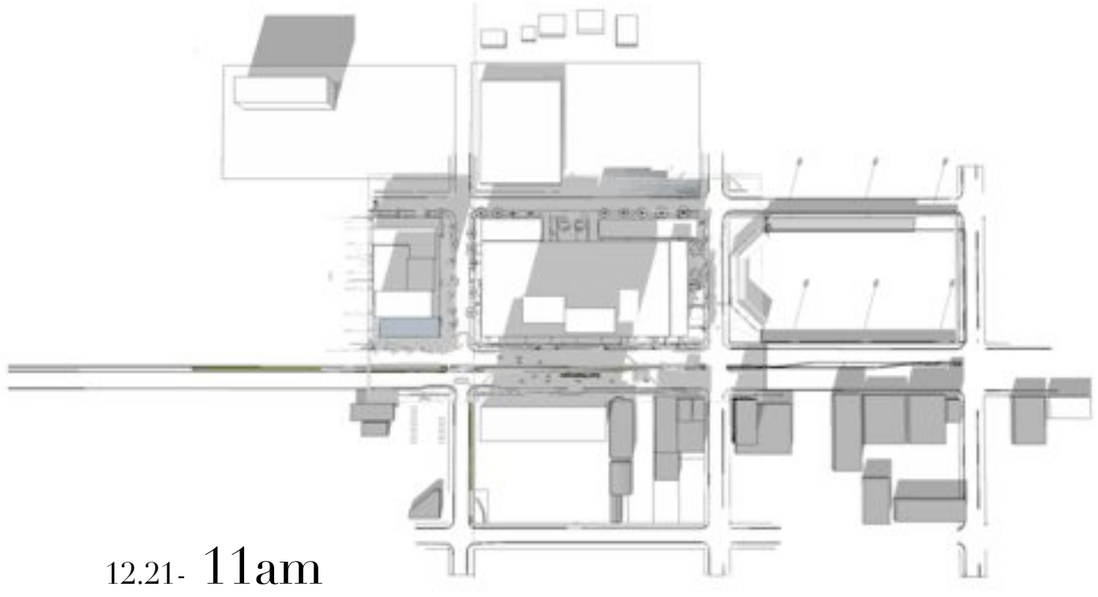

12.21- 11am

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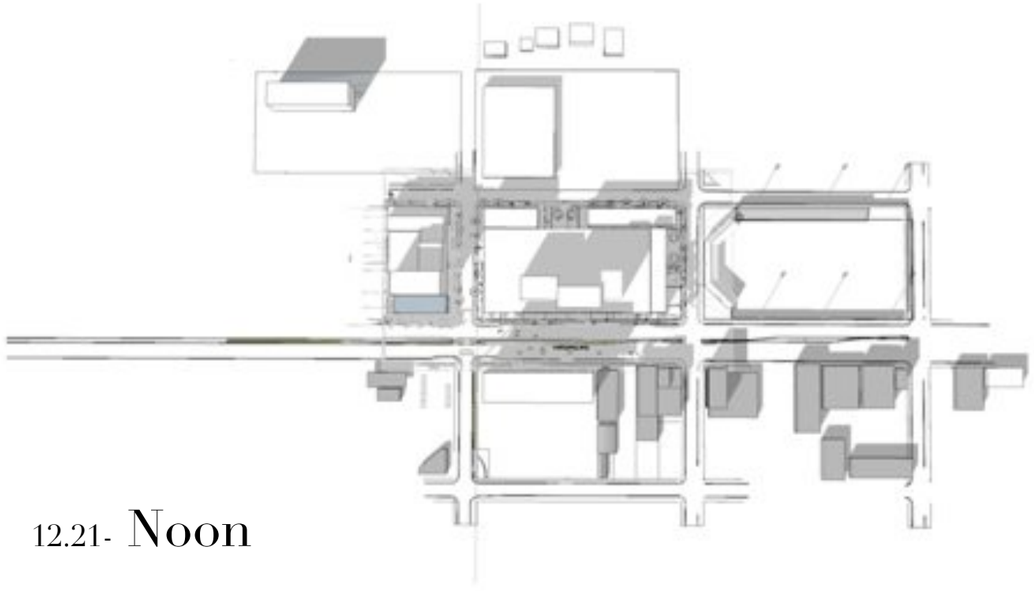

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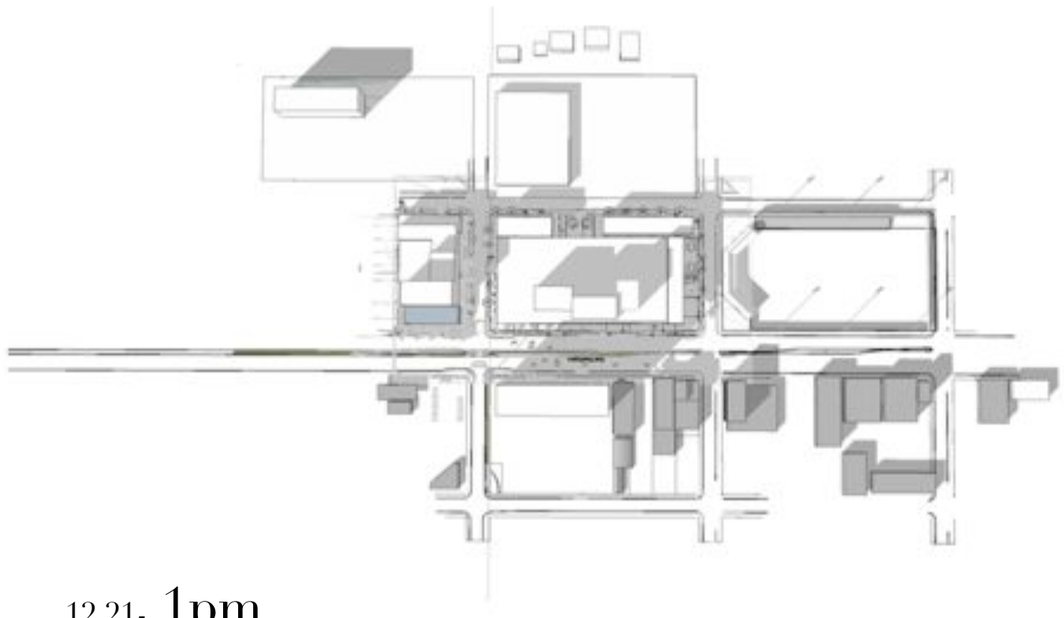

12.21- 1pm

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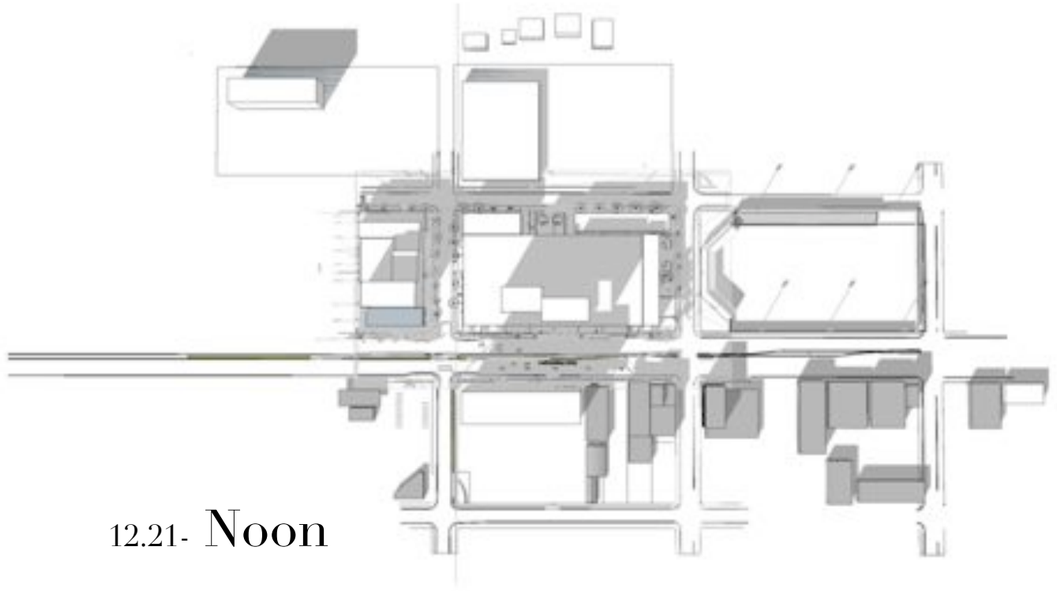

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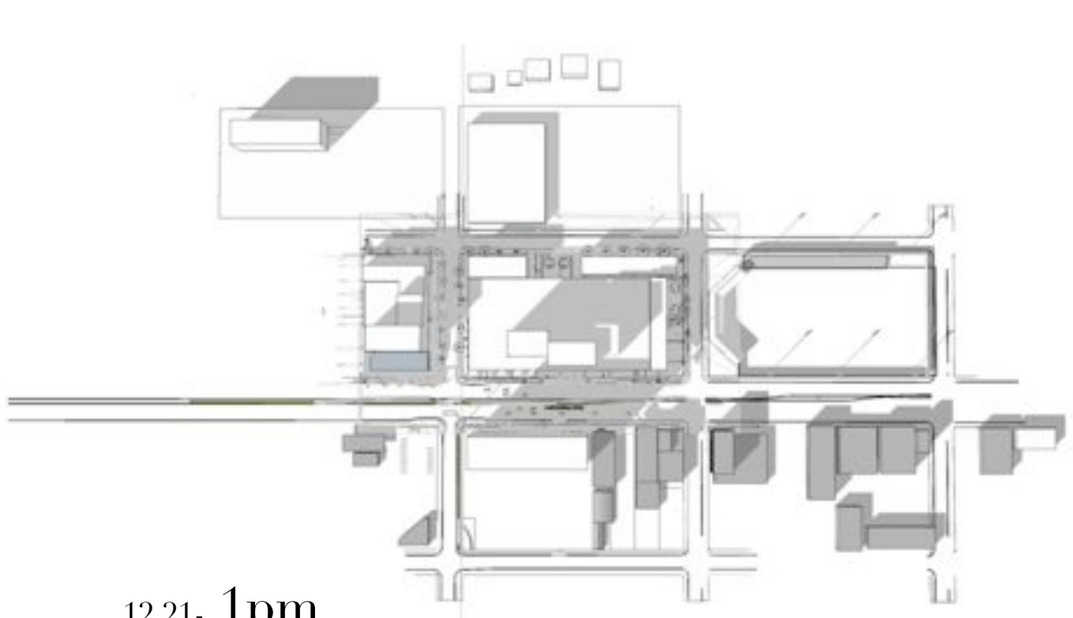
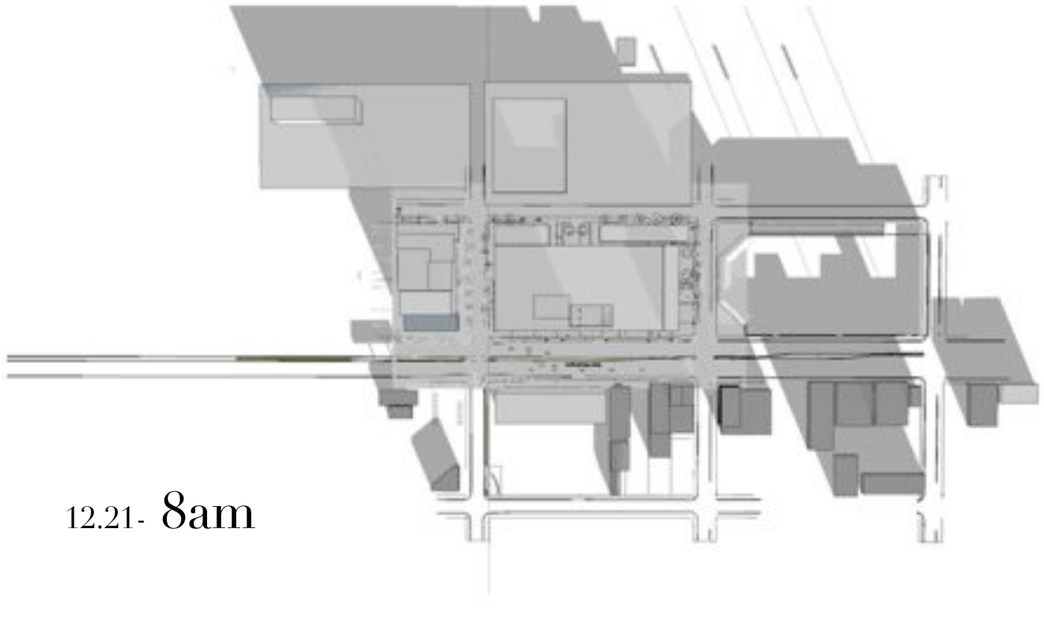


12.21- 1pm

NO HEIGHT GREATER THAN 4 STORIES (NO TOWER)



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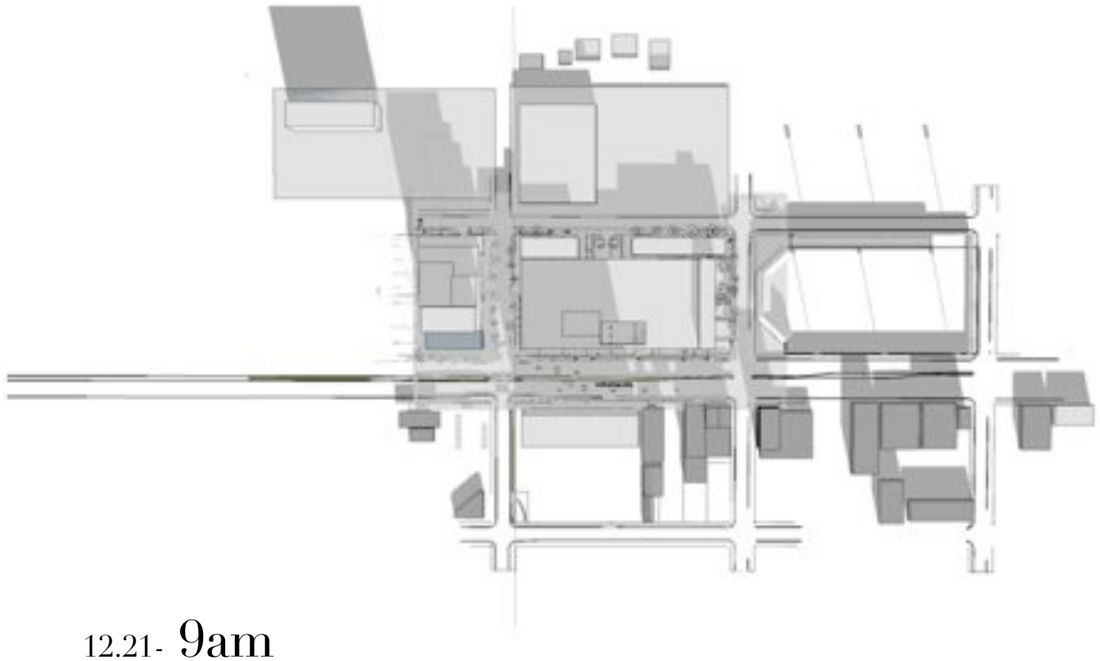

12.21- 9am

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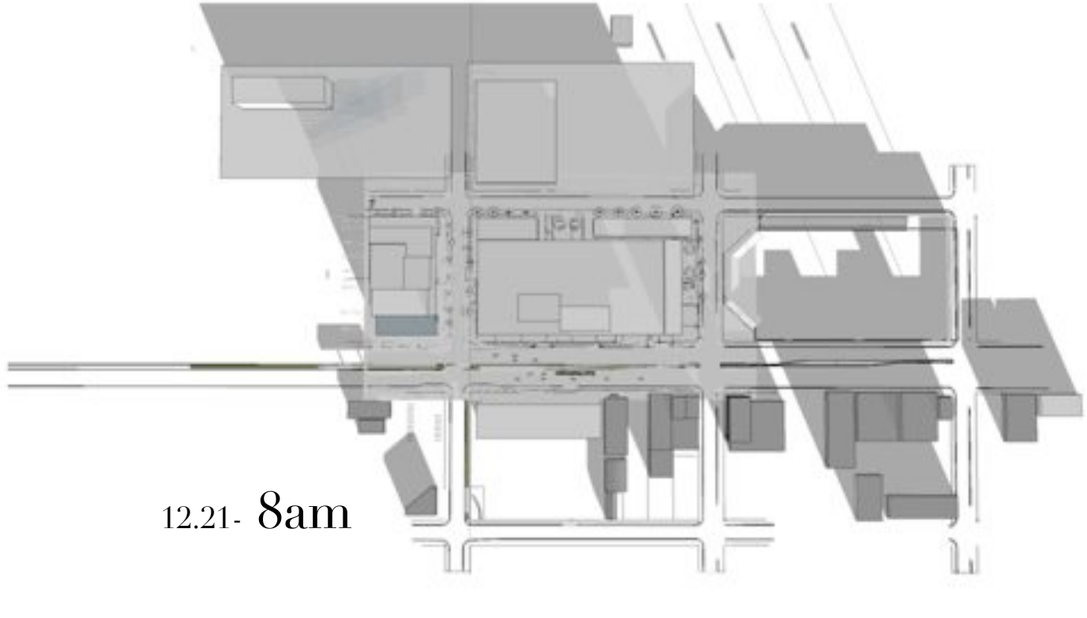

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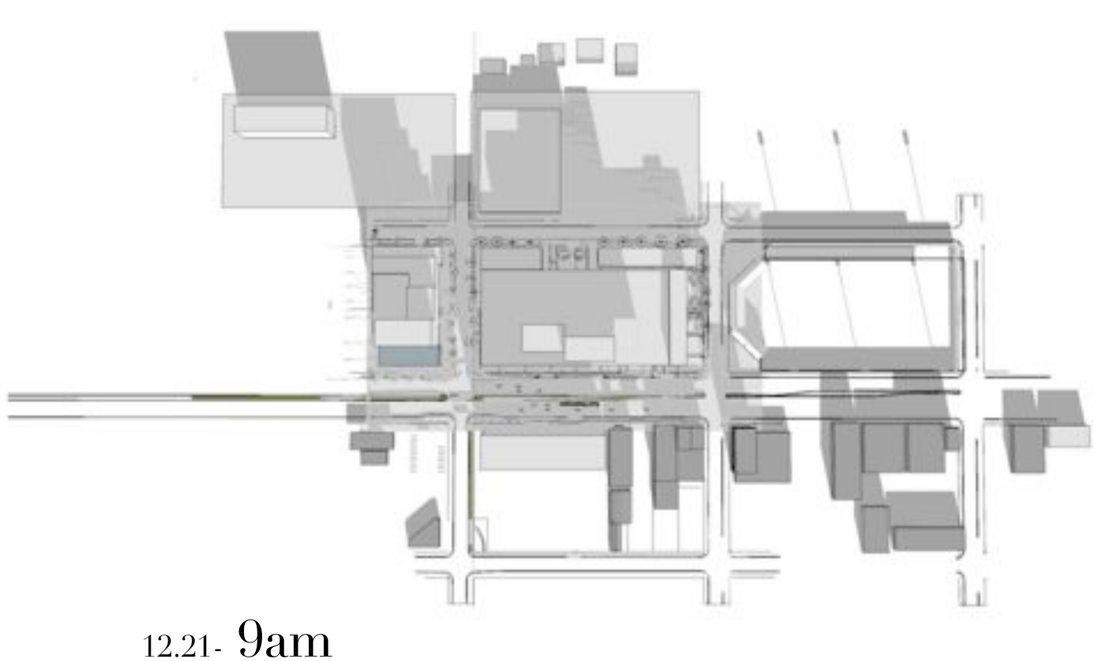
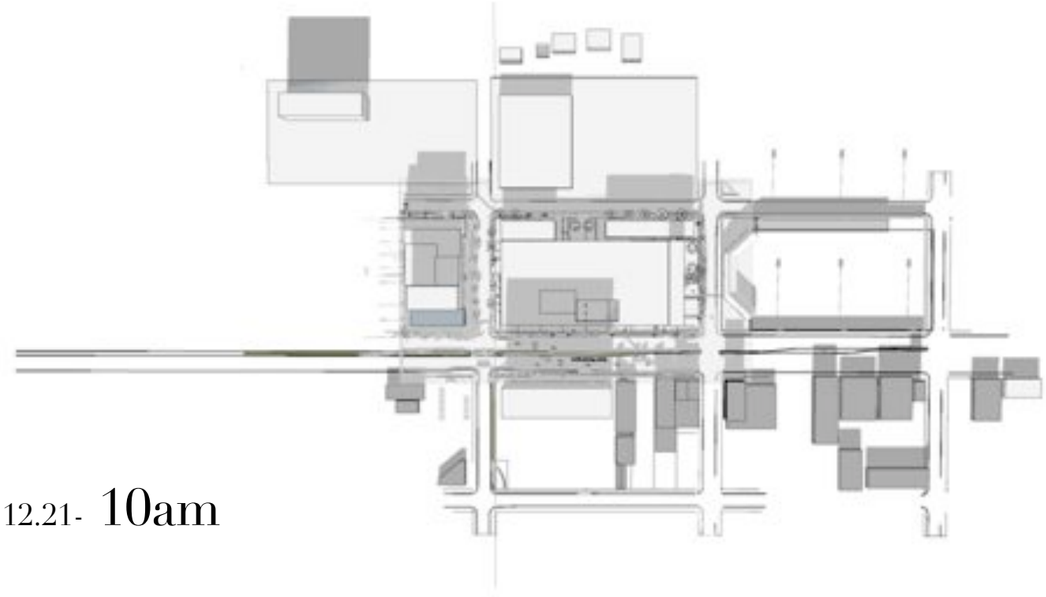


12.21- 9am

NO HEIGHT GREATER THAN 4 STORIES (NO TOWER)



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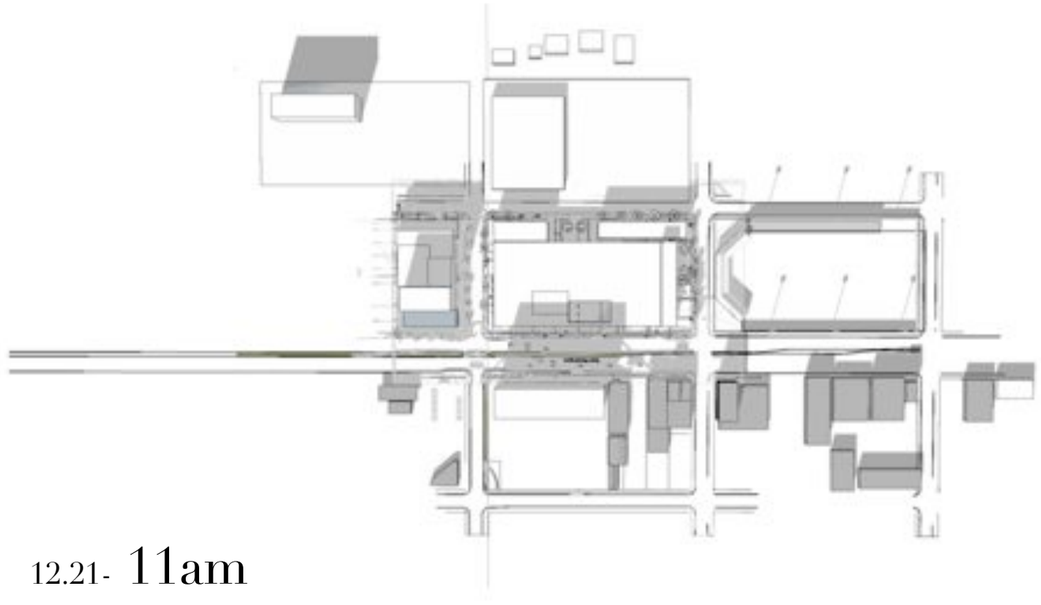

12.21- 11am

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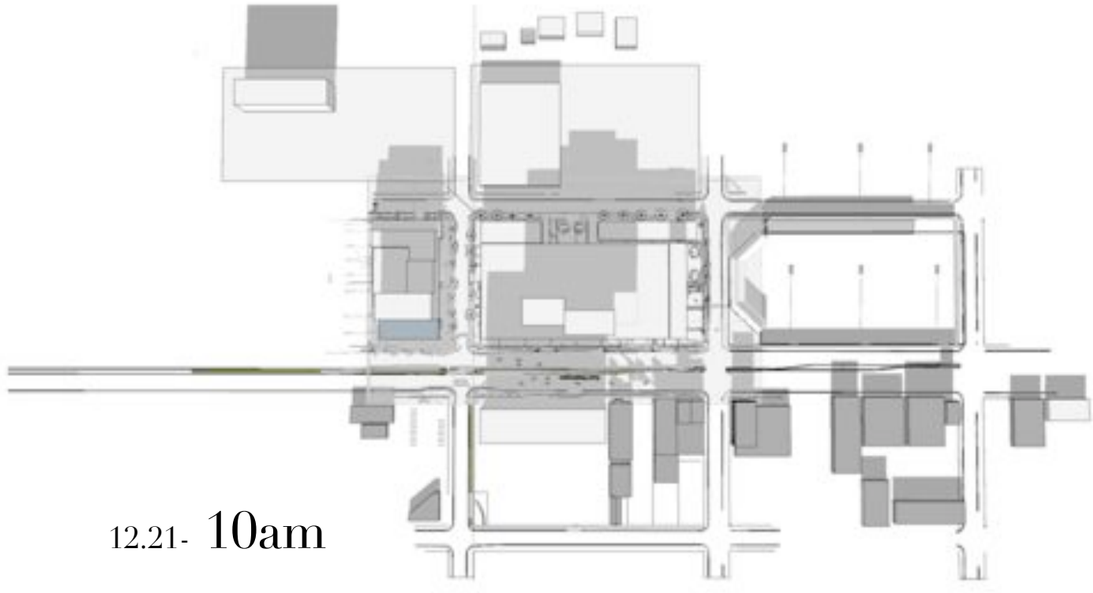

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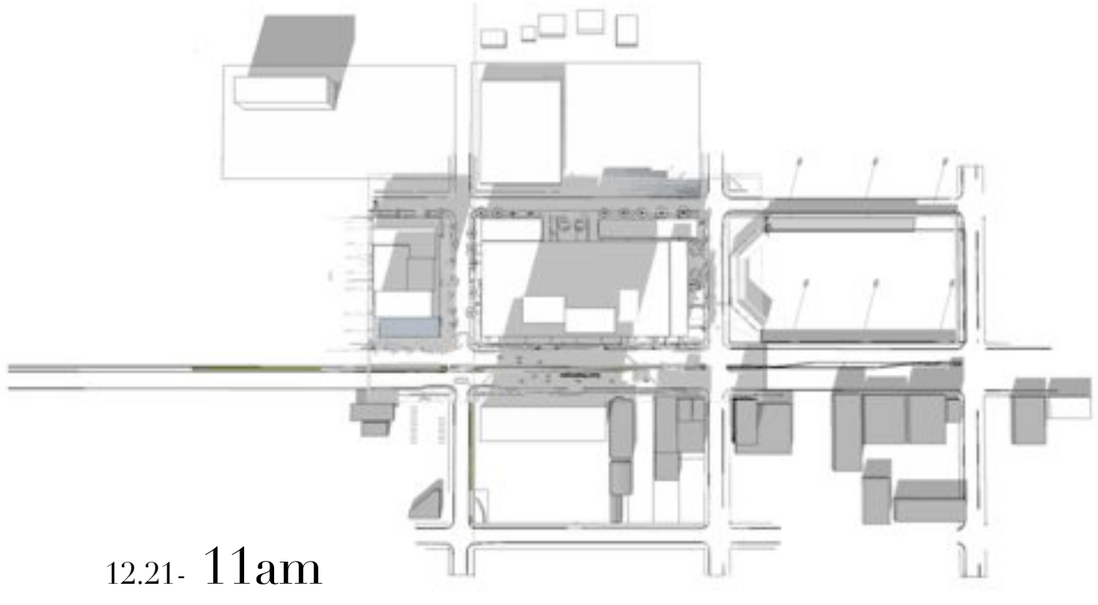

12.21- 11am

800 Block North East Washington Avenue Shadow Study:

submitted by Christopher Gosch, Bark Design

Following is an explanation of the analysis:

Index page: This labels the primary components of the study

Slides 2-8
The analysis concerned 2 times of year- the summer solstice (June 21) and the winter solstice (December 21). These are the days where the sun is highest and lowest in the sky and represent the extremes of shadowing effects.

We are showing the 800N residential tower at a height equivalent to the Capitol height limit, and are showing shadow effects at hourly increments from sunrise to dusk.

The slides are showing the summer and winter solstices side by side at each hour through the day. The December images showing the site as black are prior to sunrise, or after sunset.

Upon review, it was determined that the morning hours had the greatest effects on non-privately owned properties in the immediate area due to the orientation of the site, geography, existing buildings, and street grid.

Slides 9-11
Once we determined the times that had the most impact, we provided a study that showed the residential tower at the County (FAA) height limit (equal to the Constellation) and compared this height and shadows to the
tower at the Capitol height limit. These comparisons are side by side in these slides with the County (FAA) height on the left and the Capitol Height on the right.

Slides 12-13
We then compared the effects of a 4 story structure on the 800N block (no residential tower) to the shadows created with the residential tower to the Capitol Height limit, for the hours when the impact of the shadows affected Reynolds Park. After such time,
shadows are contained within the site.

We believe that the shadowing outcome is very well served by the 30 degree angle as per UDD8. Rebecca Cnare in Planning can be of additional assistance with answering questions regarding the strategy for that guideline and
desired/expected outcomes.

We believe that a review of the studies and comparisons demonstrate that shadows will fall on a specific and small portion of the site during a very small window of time during the day and year.

Again, if there are other concerns that we haven't heard about yet, please let us know. We are more than happy to share our data and coordinates used to create the studies if an independent analysis is desired. Also, we can create individual snapshots for any day and time if this is needed.