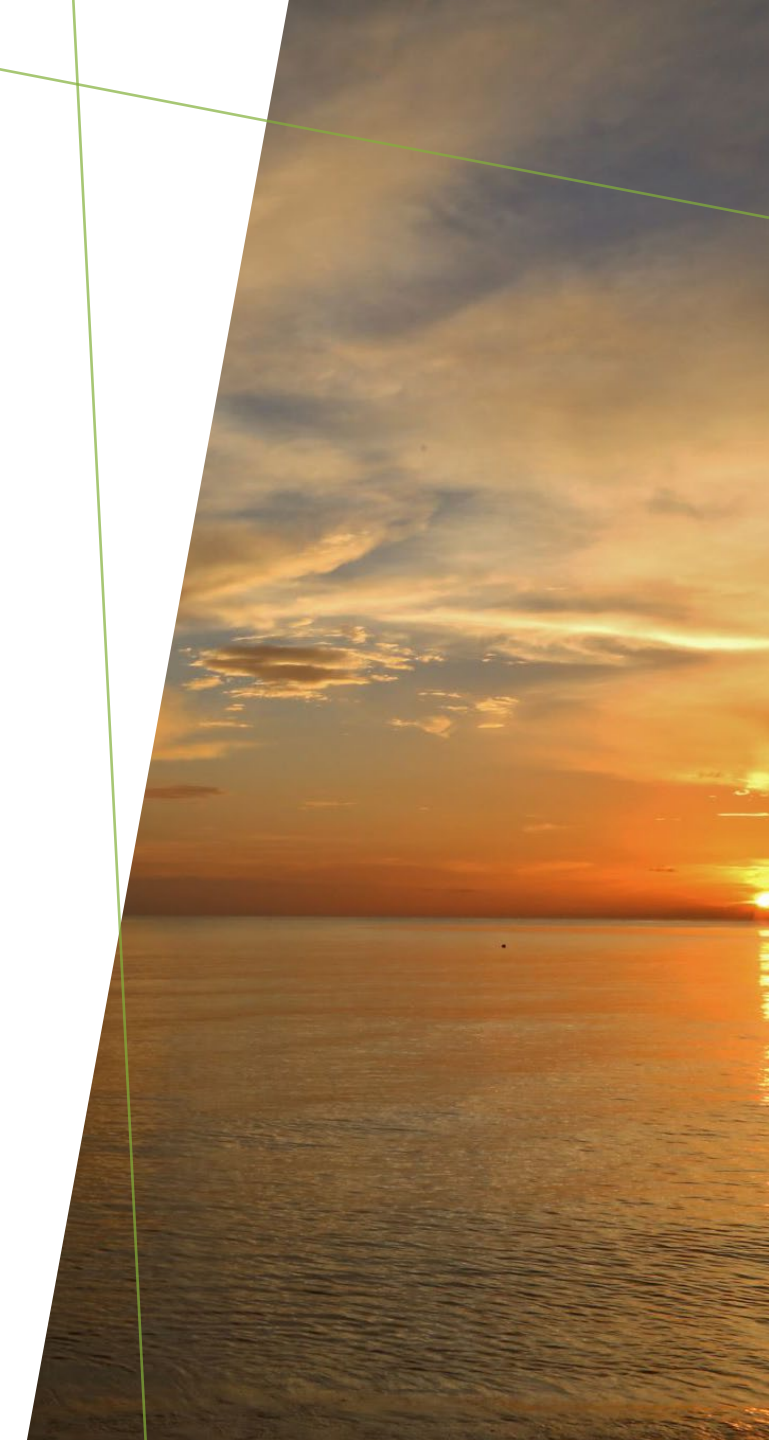


DESIGN VI

PROF AZAROFF

IBRAHIM BARRIE

*SITE SOLAR &  
WIND STUDY*





# *SOLAR STUDY*

# Equinox Solar Diagrams

## Massing #1

The diagrams show the solar analysis of March equinox, the shades and shadows cast by my massing on the site.



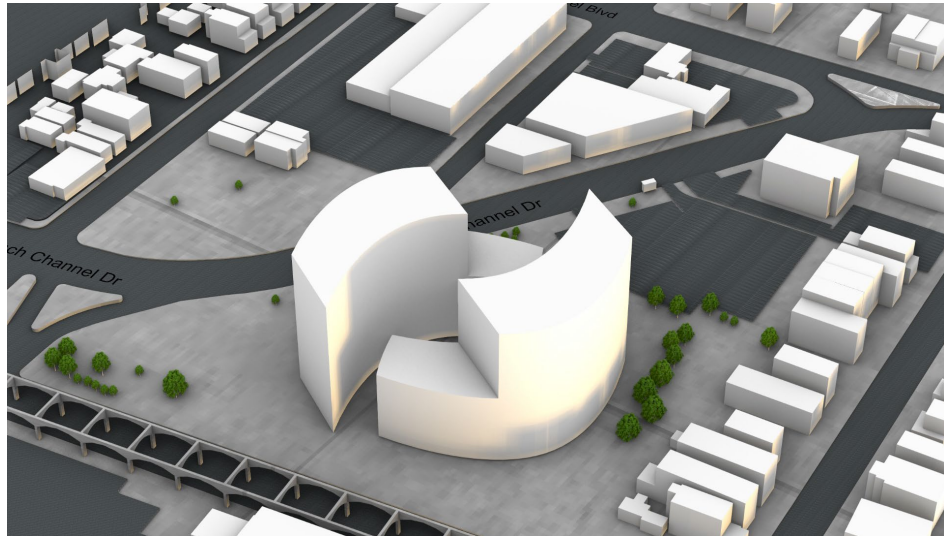
Sunset



Sunrise



Sunset



Sunrise



Noon



## Equinox Solar Diagrams

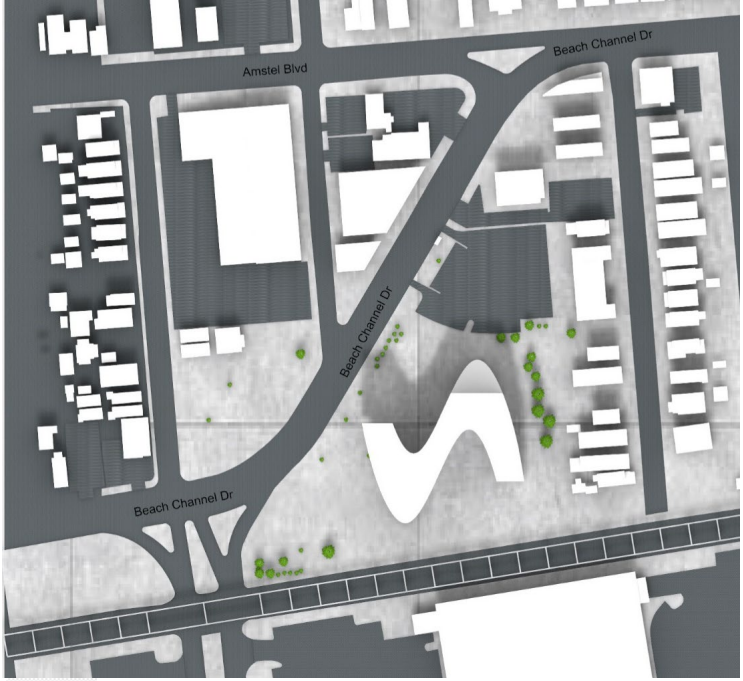
### Massing #2

The diagrams show the solar analysis of March equinox, the shades and shadows cast by my massing on the site.

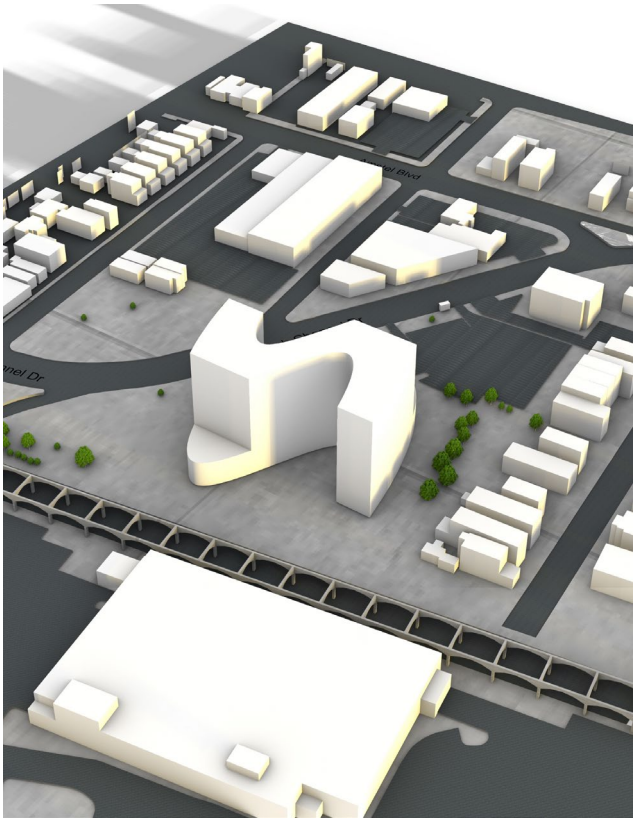




Sunset



Noon

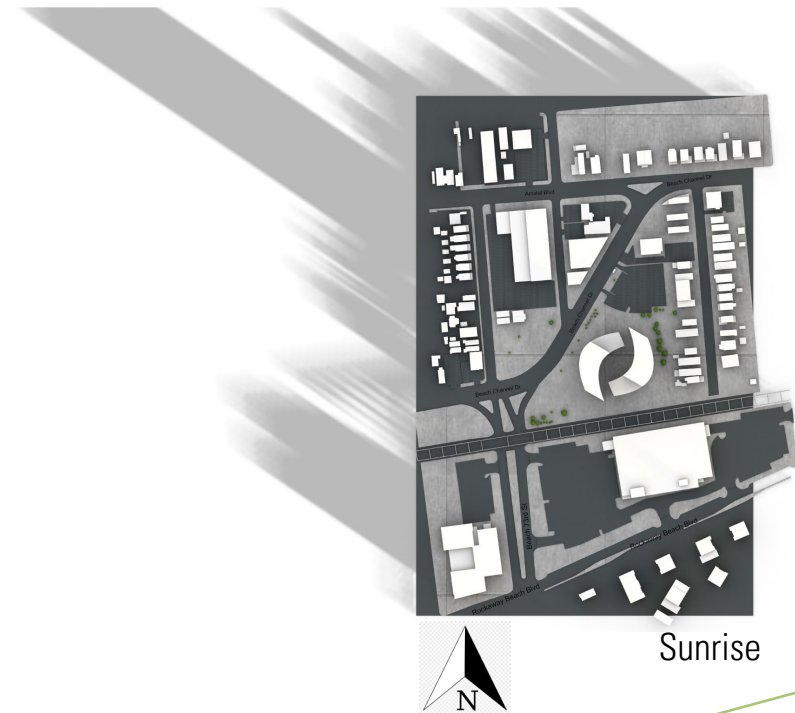
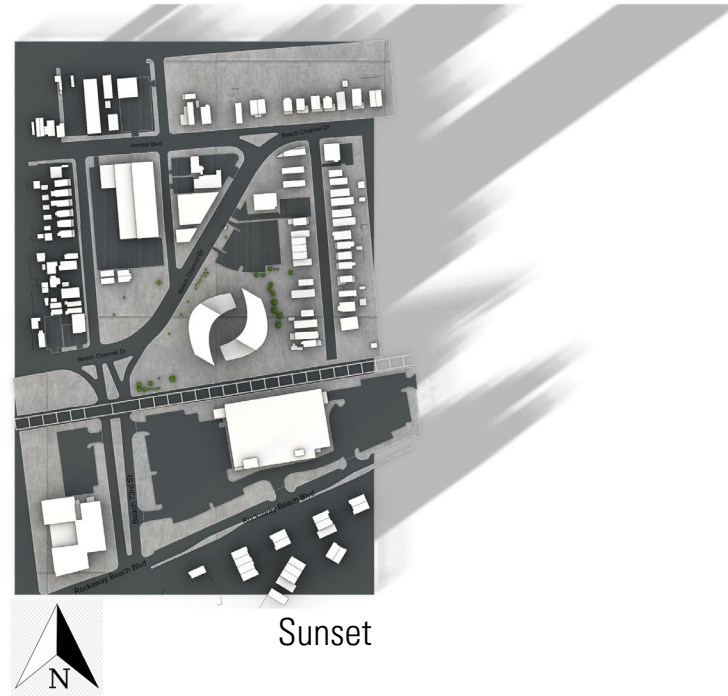


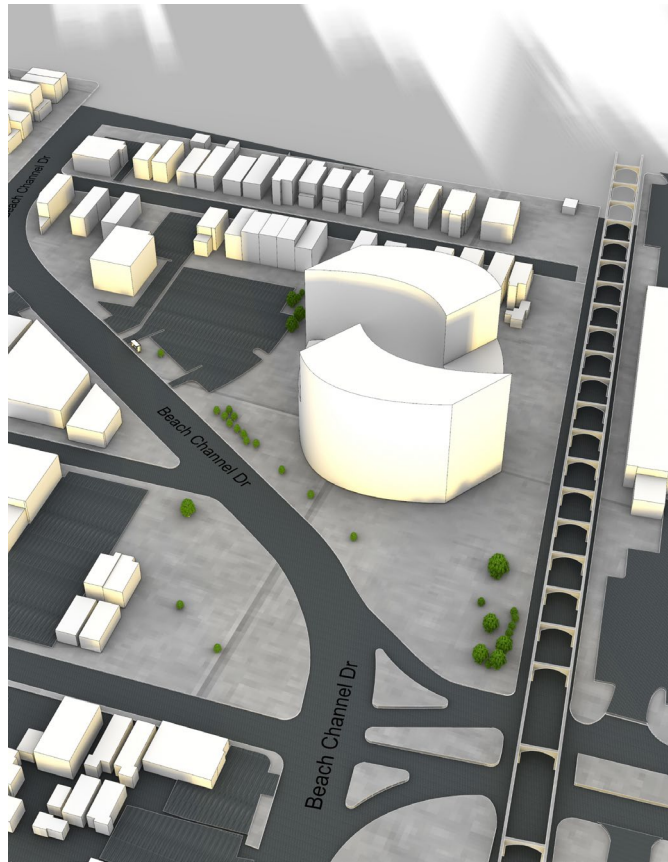
Sunrise

## Winter Solstice Solar Diagrams

### Massing #1

The diagrams show the solar analysis of winter solstice, the shades and shadows cast by my massing on the site.

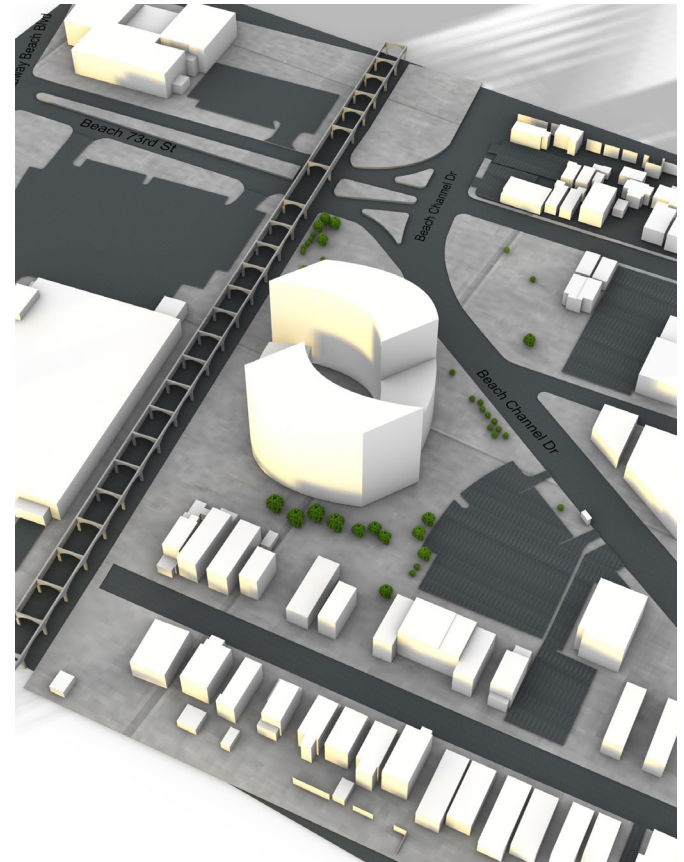




Sunset



Noon



Sunrise

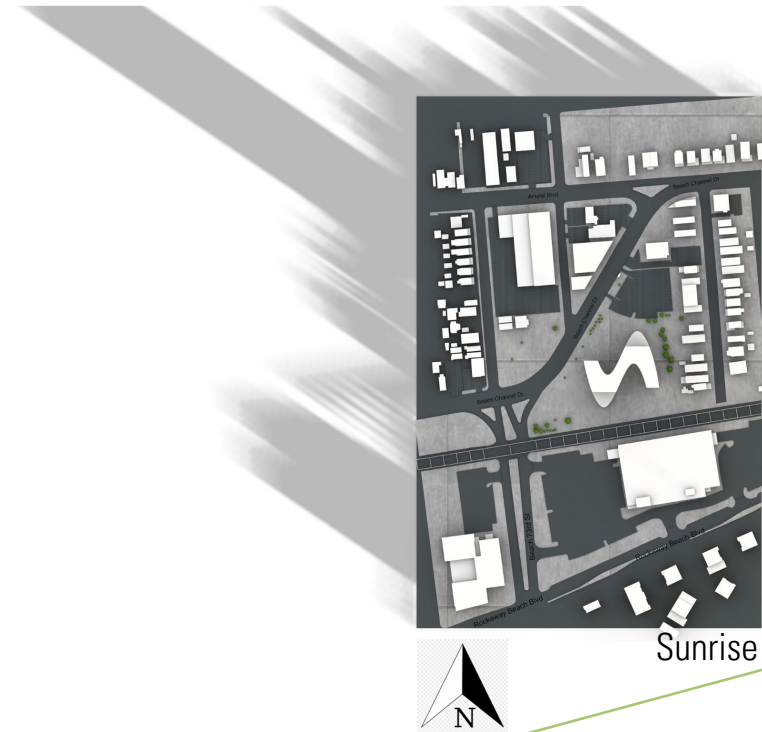
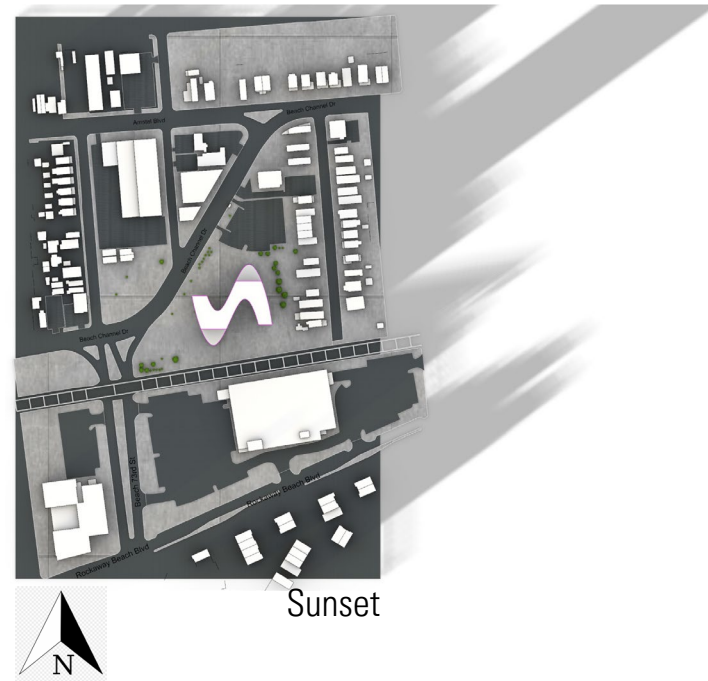


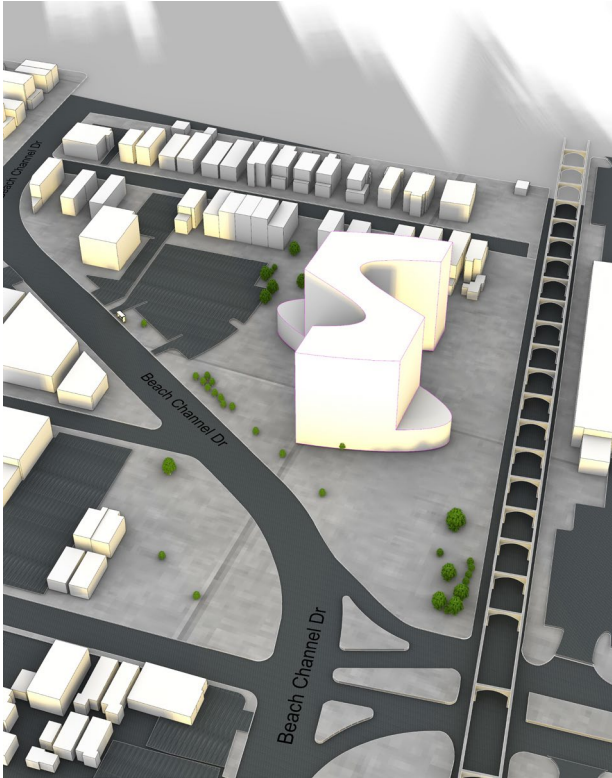


## Winter Solstice Solar Diagrams

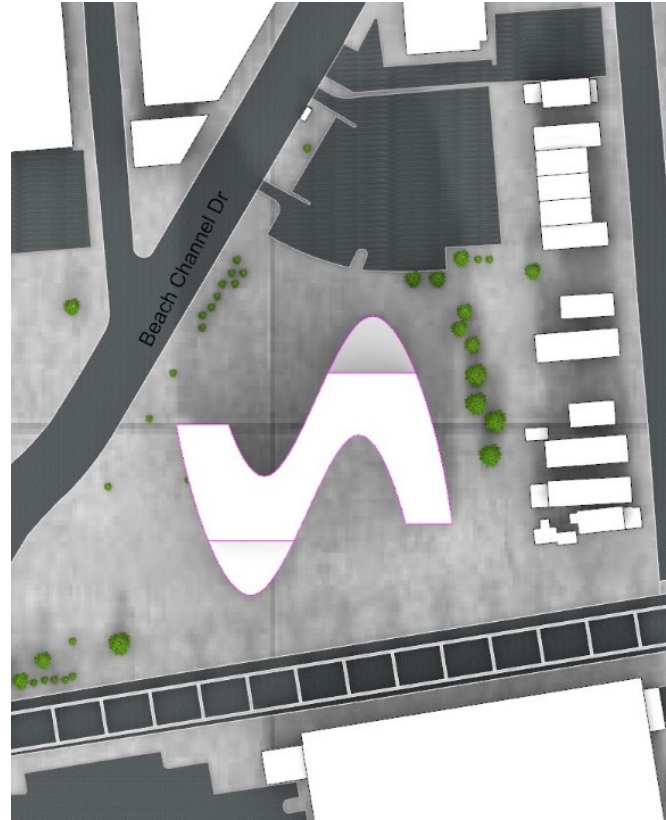
### Massing #2

The diagrams show the solar analysis of winter solstice, the shades and shadows cast by my massing on the site.

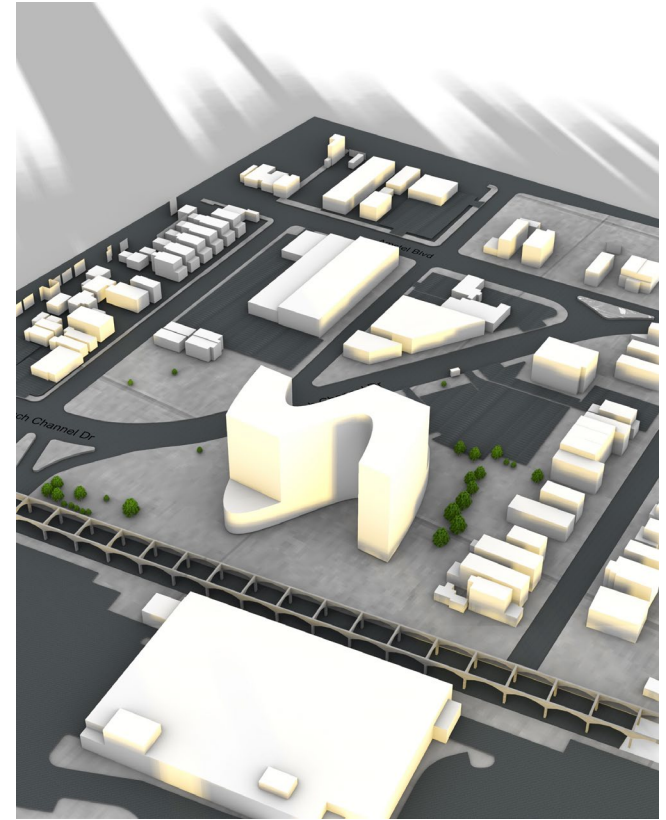




Sunset



Noon

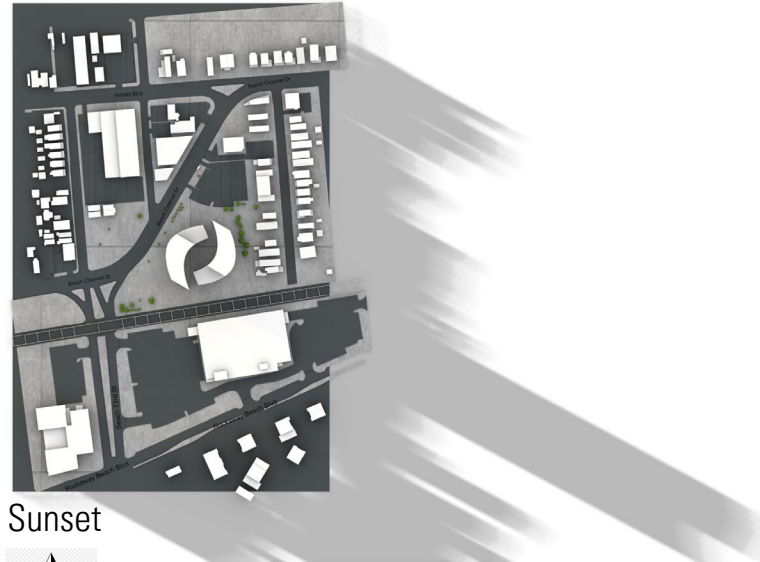


Sunrise

## Summer Solstice Solar Diagrams

### Massing #1

The diagrams show the solar analysis of summer solstice, the shades and shadows cast by my massing model on the surrounding site.

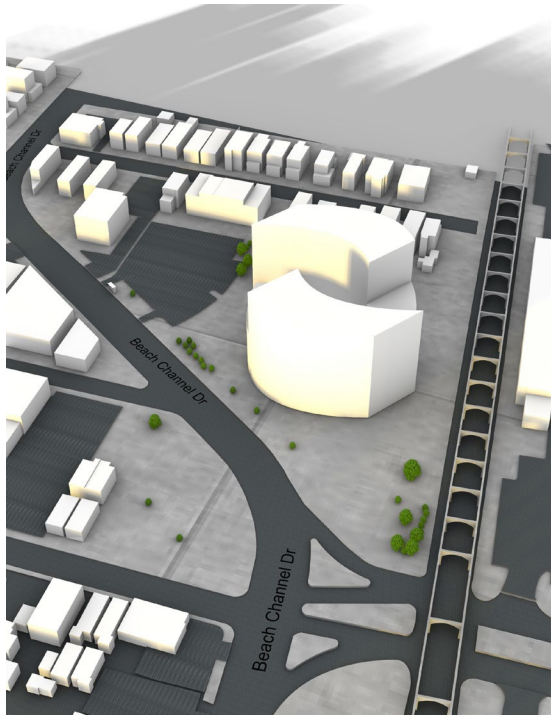


Sunset



Sunrise

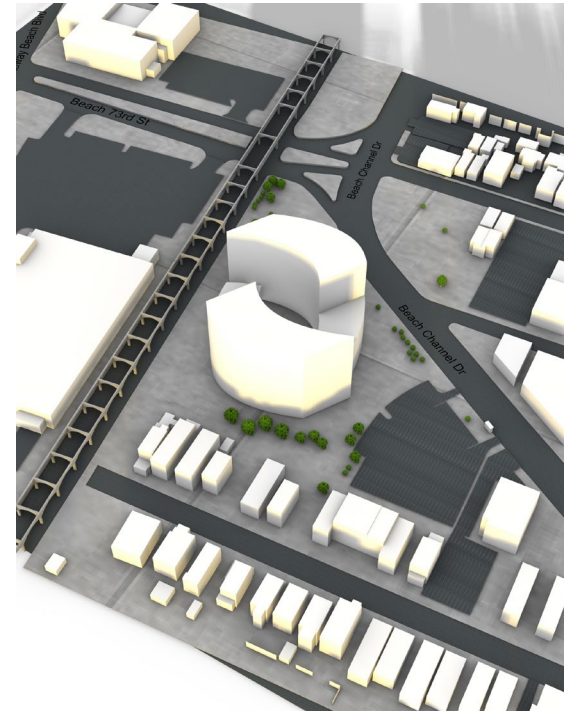




Sunset



Noon



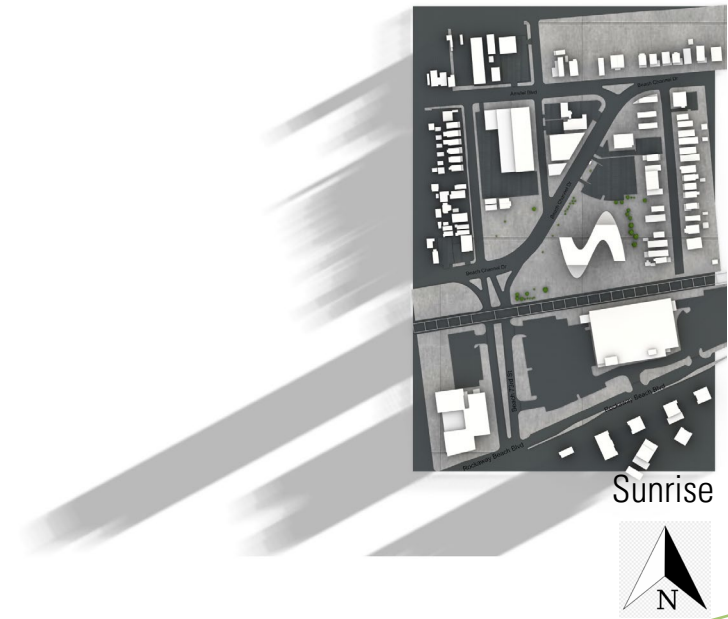
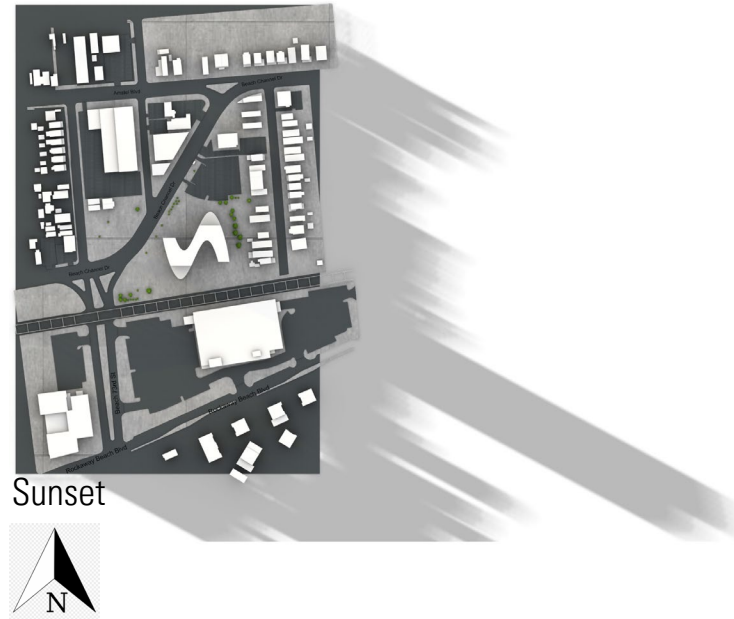
Sunrise

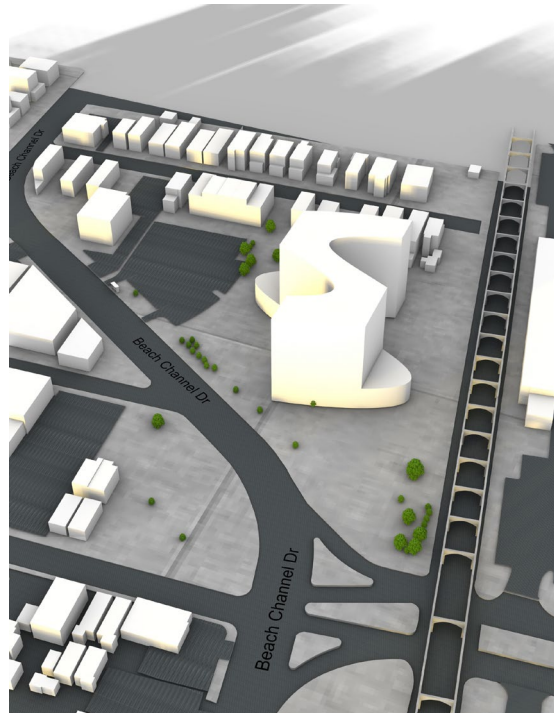


## Summer Solstice Solar Diagrams

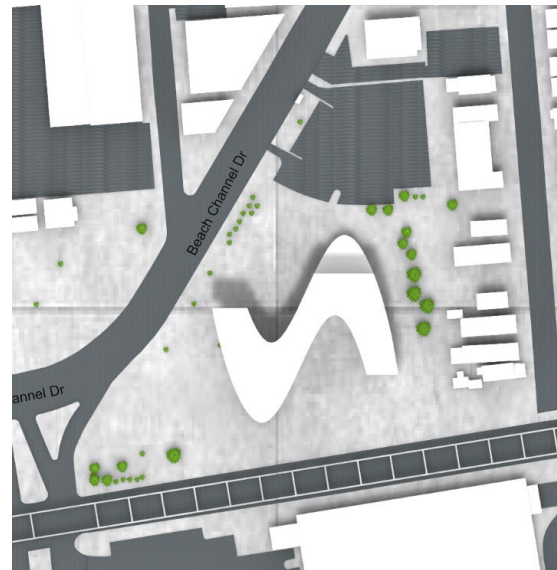
### Massing #2

The diagrams show the solar analysis of summer solstice, the shades and shadows cast by my massing model on the surrounding site.

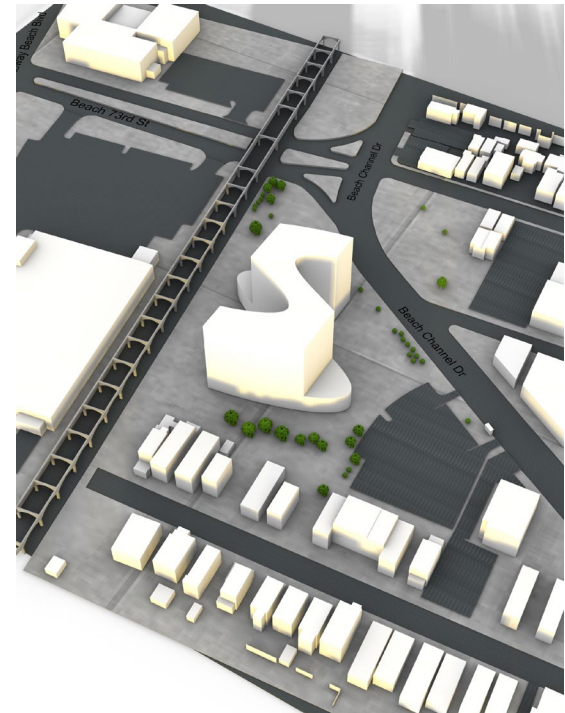




Sunset



Noon



Sunrise

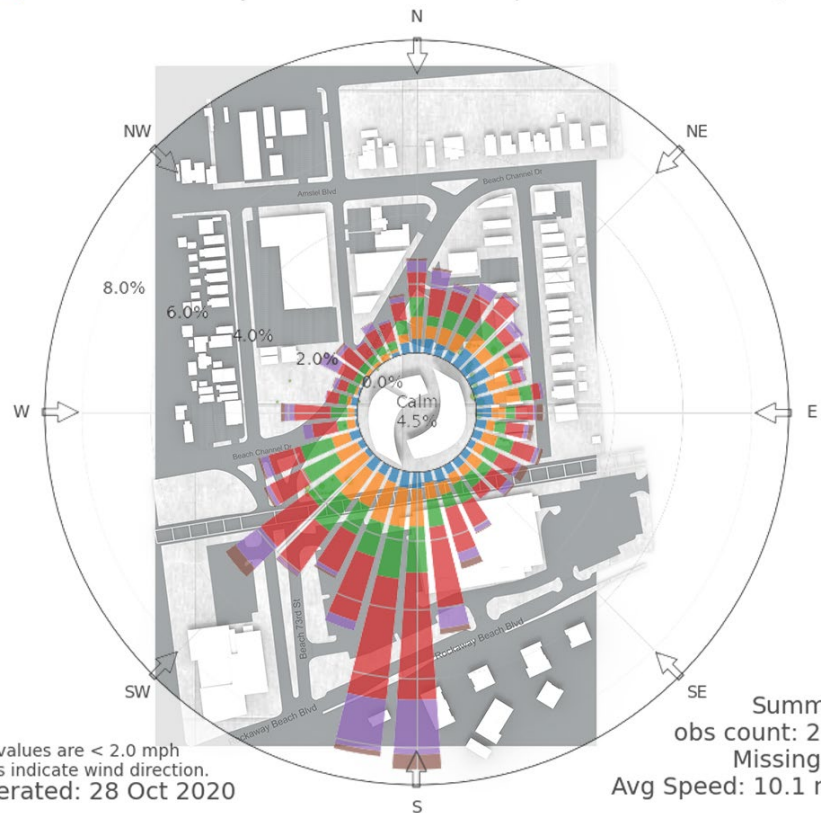


# *WIND DIAGRAM*

# Summer Wind Diagrams

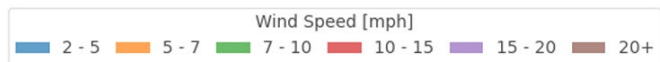


[JFK] NEW YORK/JF KENNEDY  
 Windrose Plot  
 Time Bounds: 20 Jun 2020 05:51 AM - 22 Sep 2020 07:51 PM America/New\_York



Calm values are < 2.0 mph  
 Arrows indicate wind direction.  
 Generated: 28 Oct 2020

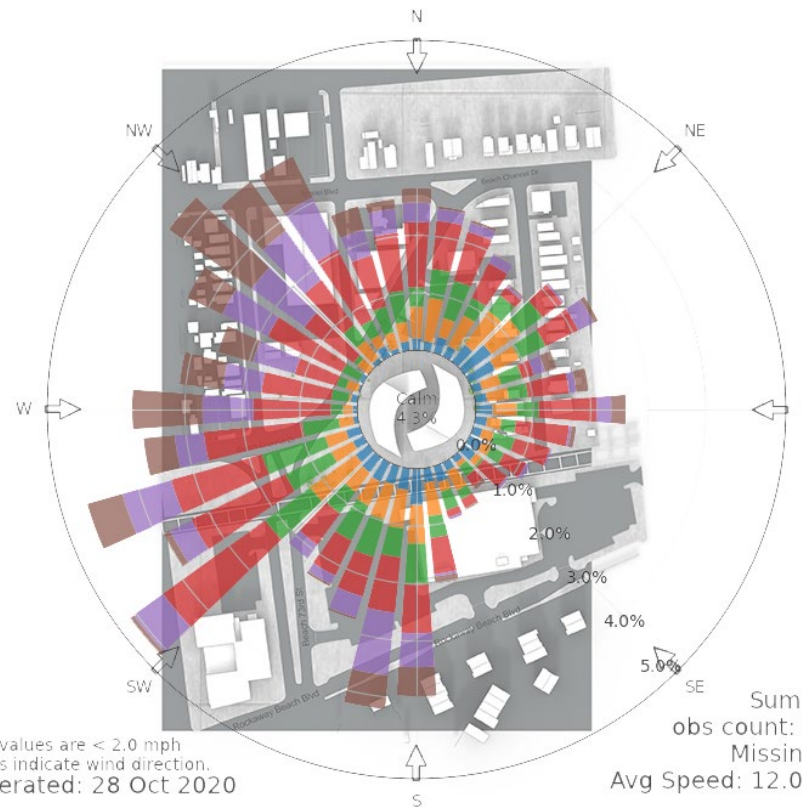
Summary  
 obs count: 2487  
 Missing: 20  
 Avg Speed: 10.1 mph



# Winter Wind Diagrams



[JFK] NEW YORK/JF KENNEDY  
 Windrose Plot  
 Time Bounds: 21 Dec 2019 08:51 AM - 20 Mar 2020 04:51 PM America/New\_York



Calm values are < 2.0 mph  
 Arrows indicate wind direction.  
 Generated: 28 Oct 2020

Summary  
 obs count: 2394  
 Missing: 18  
 Avg Speed: 12.0 mph

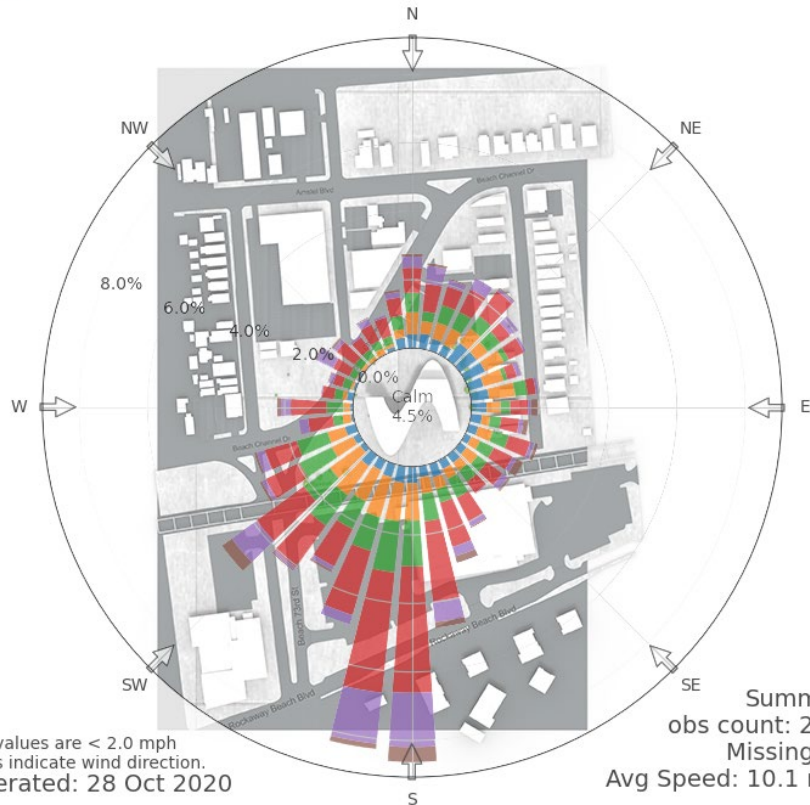




# Summer Wind Diagrams

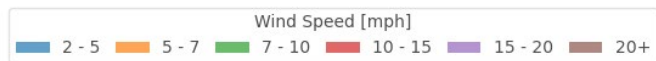


[JFK] NEW YORK/JF KENNEDY  
 Windrose Plot  
 Time Bounds: 20 Jun 2020 05:51 AM - 22 Sep 2020 07:51 PM America/New\_York



Calm values are < 2.0 mph  
 Arrows indicate wind direction.  
 Generated: 28 Oct 2020

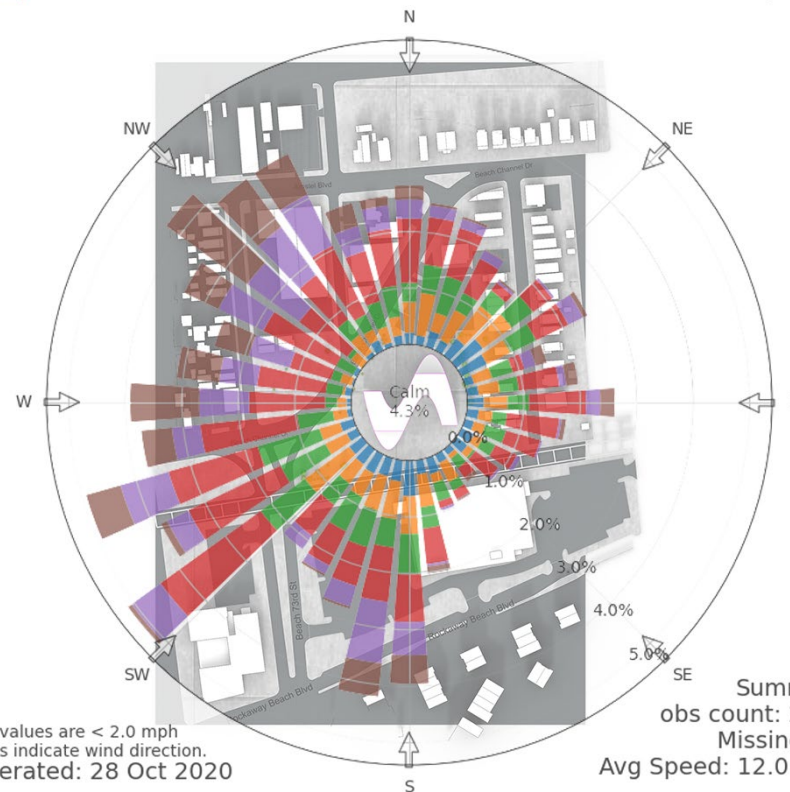
Summary  
 obs count: 2487  
 Missing: 20  
 Avg Speed: 10.1 mph



# Winter Wind Diagrams

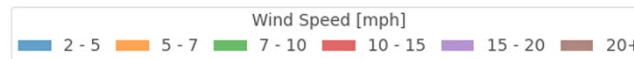


[JFK] NEW YORK/JF KENNEDY  
 Windrose Plot  
 Time Bounds: 21 Dec 2019 08:51 AM - 20 Mar 2020 04:51 PM America/New\_York



Calm values are < 2.0 mph  
 Arrows indicate wind direction.  
 Generated: 28 Oct 2020

Summary  
 obs count: 2394  
 Missing: 18  
 Avg Speed: 12.0 mph





*SITE PROGRAM DIAGRAMS*

## Program Diagrams

The program diagram is used to visualize and locate the different programmatic elements that will be incorporated in the project.

