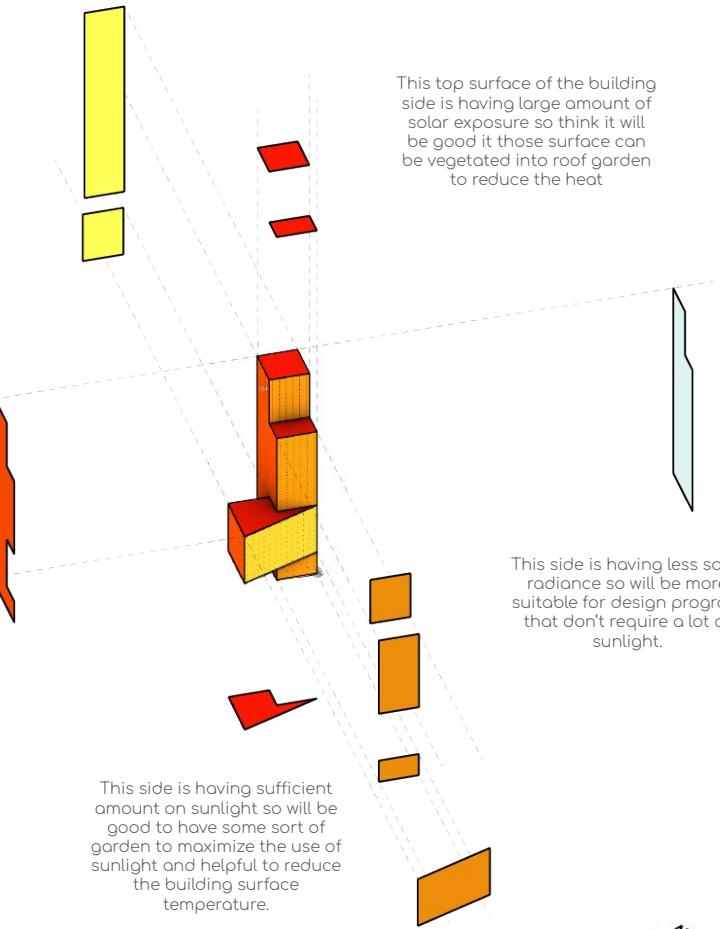
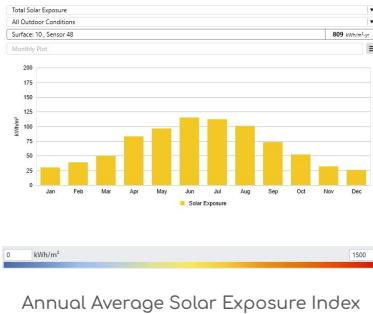
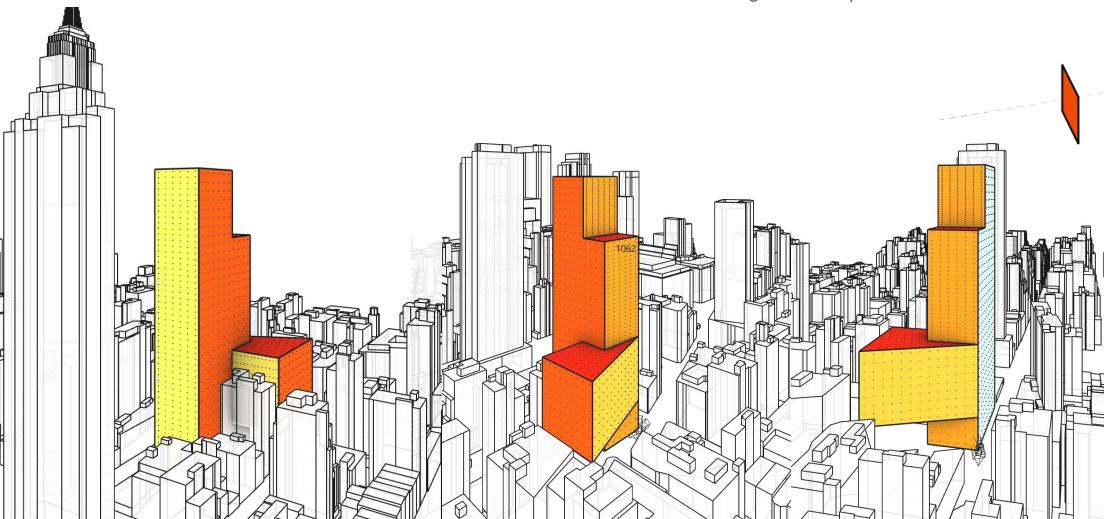


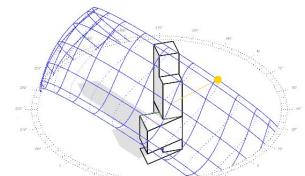
Basic Form and Surrounding Environment

Started from understanding the Radiance study on the basic form to visualize which side of the building received the most daylight and which side have less solar exposure to the sunlight. And also use this result as the metric to evaluate the program layout.



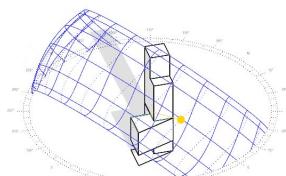
9 AM

Summer Solstice

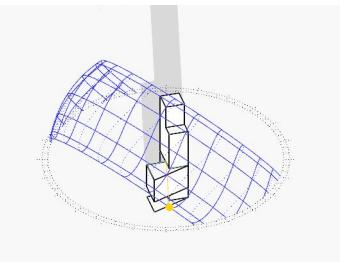


Noon

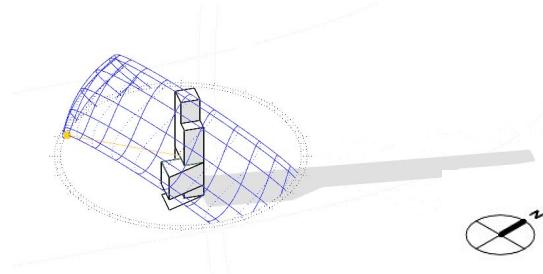
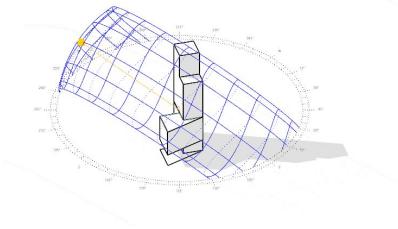
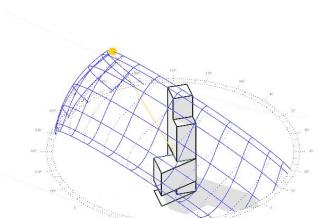
Equinox



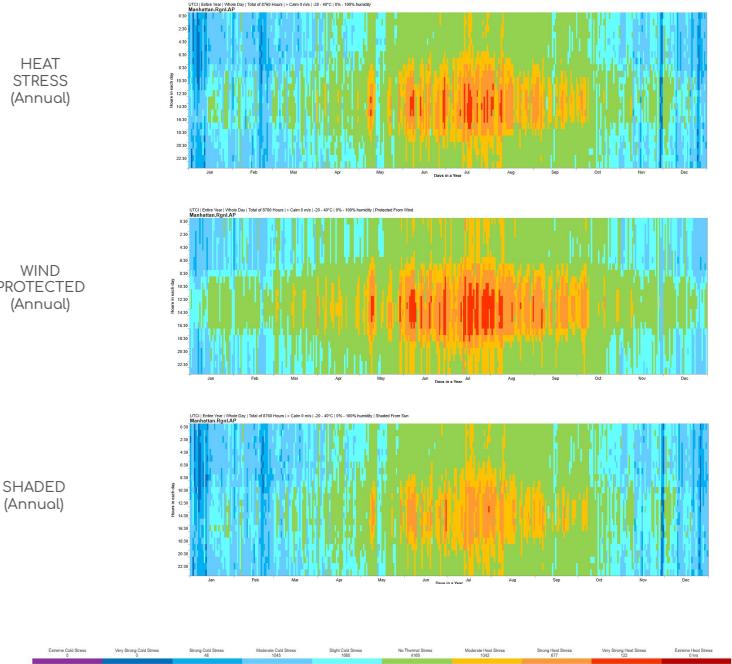
Winter Solstice



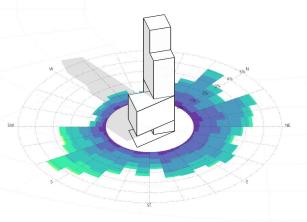
3PM



From this analysis, I conclude that the prevailing winds occur mainly during the summer and fall. Creating open space at the ground level would help enhance natural ventilation, which is especially valuable for a site located in a dense urban area. Based on the UTCI map, summer also shows significant heat stress, so incorporating shaded areas at ground level would greatly improve occupant comfort.

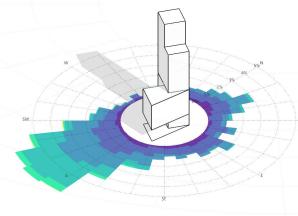


SPRING



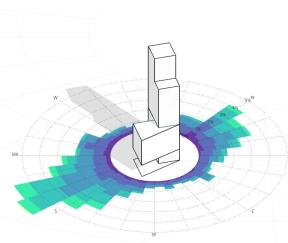
- MAR to JUNE
- All Day

SUMMER



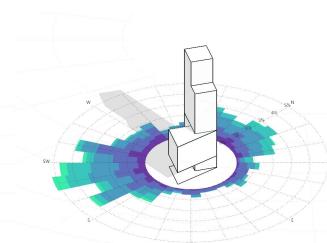
- JUL to SEP
- All Day

FALL



- SEP to DEC
- All Day

WINTER



- DEC to FEB
- All Day

