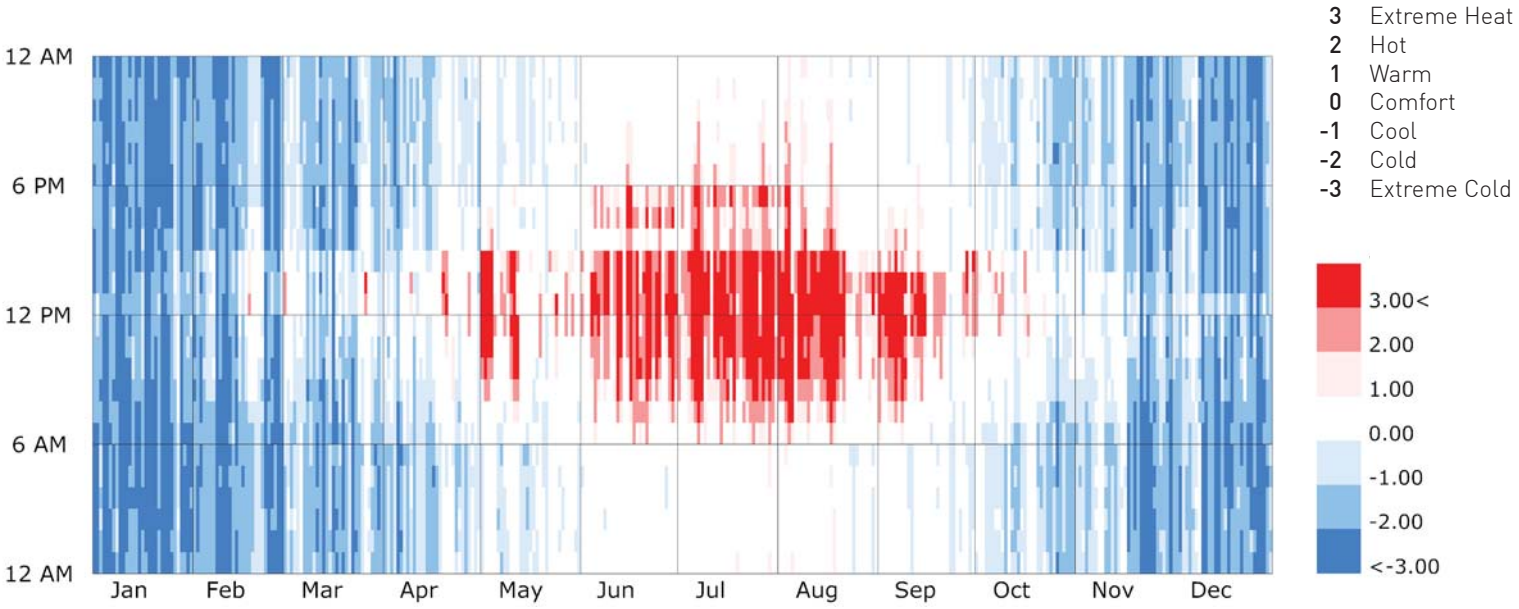
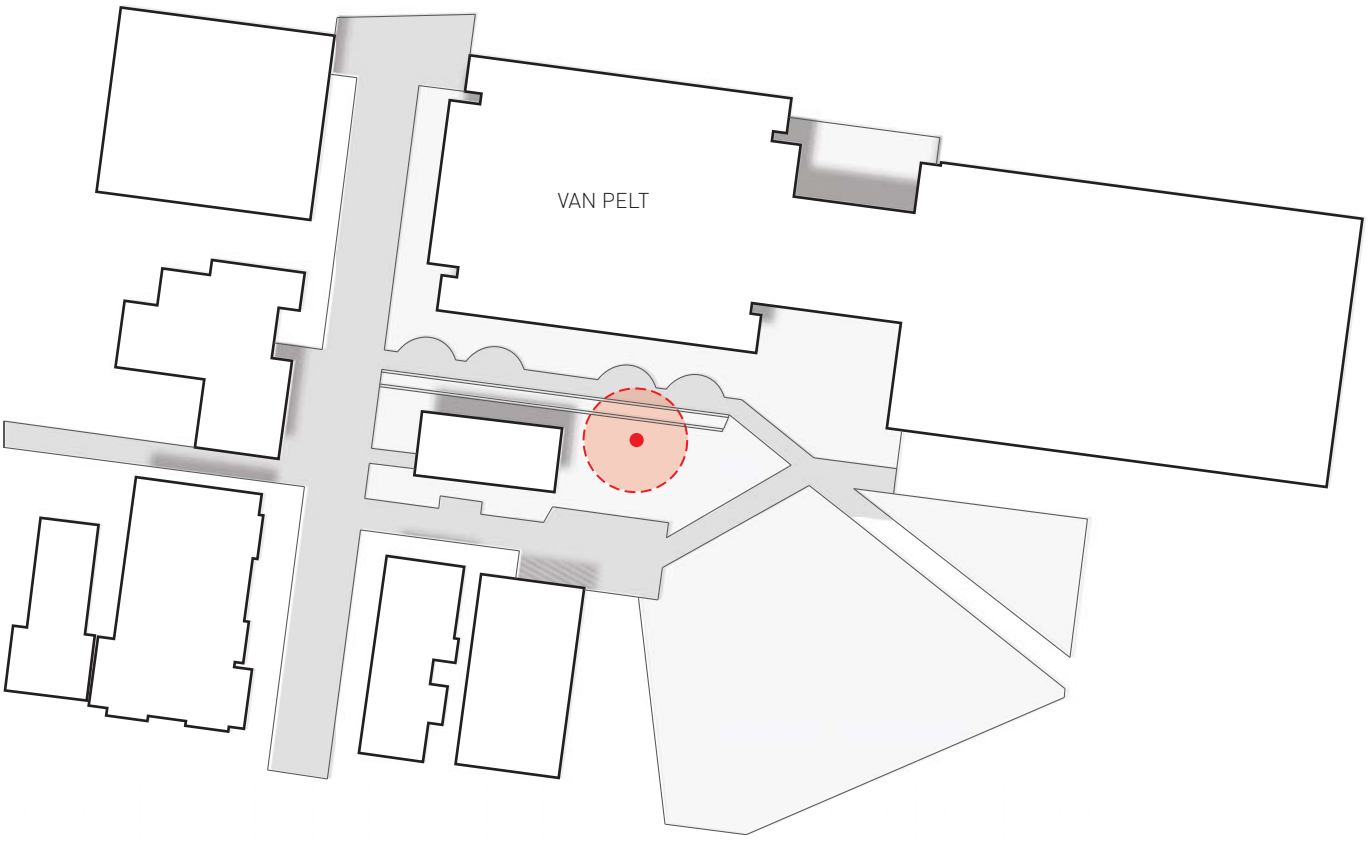
LOCATION A

Outdoor Comfort (Hourly)

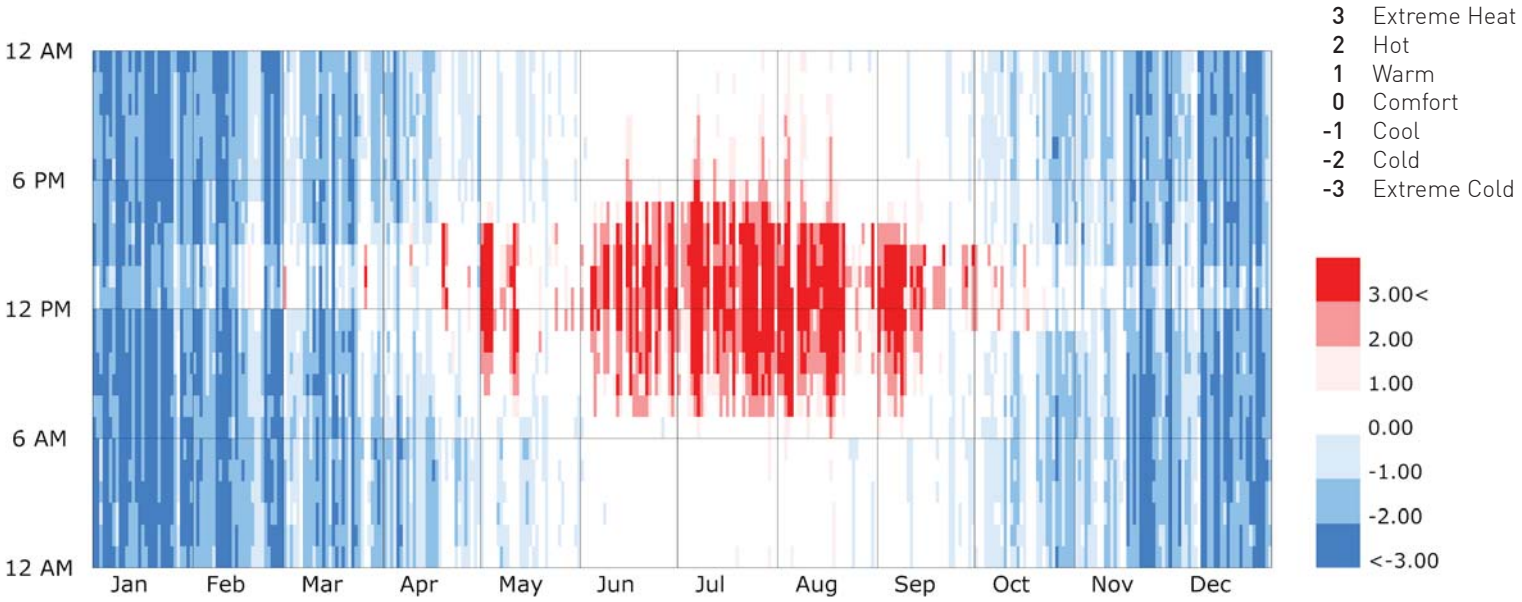


Comfortable: 38.61% **Short Pd Comfort:** 19.36% **Heat Stress:** 9.26% **Cold Stress:** 32.77%

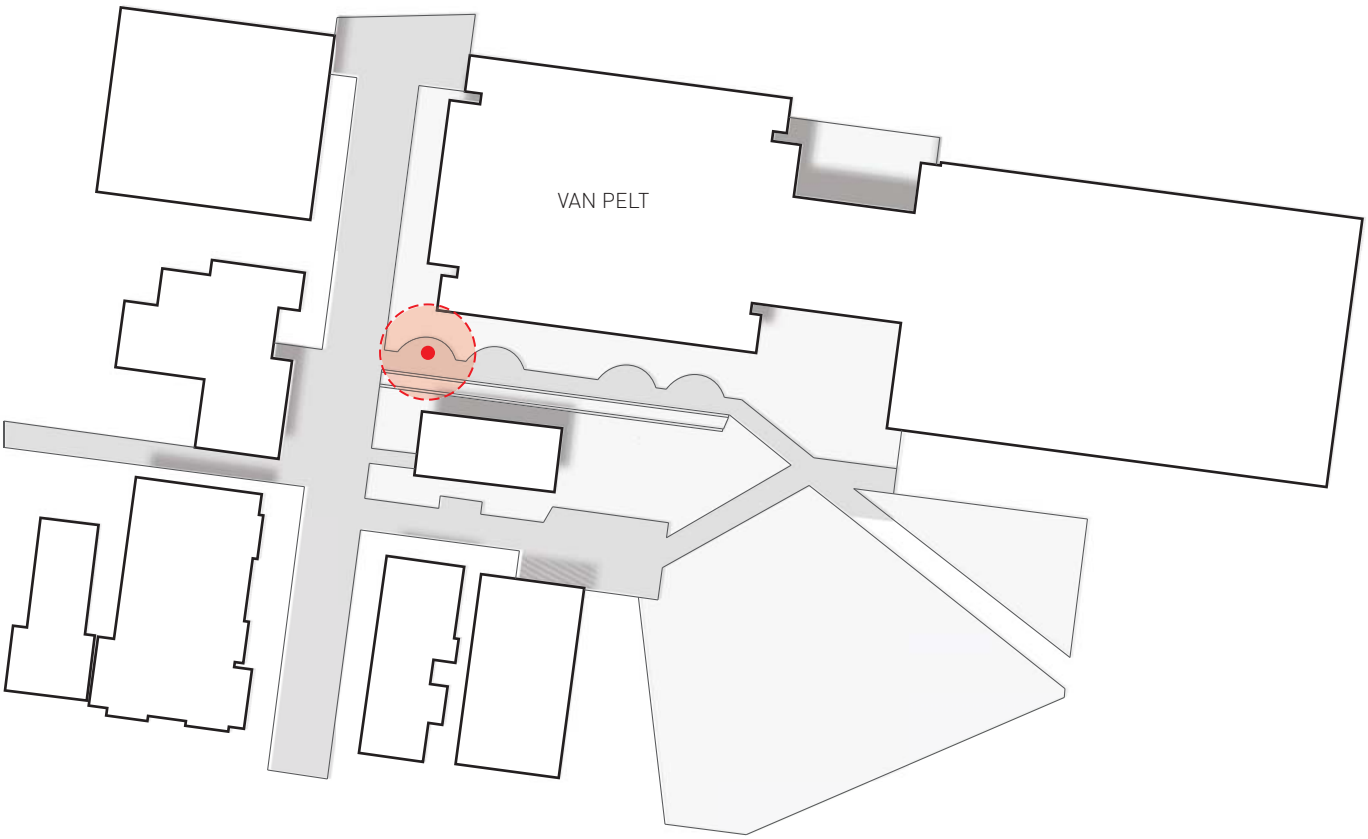


LOCATION B

Outdoor Comfort (Hourly)

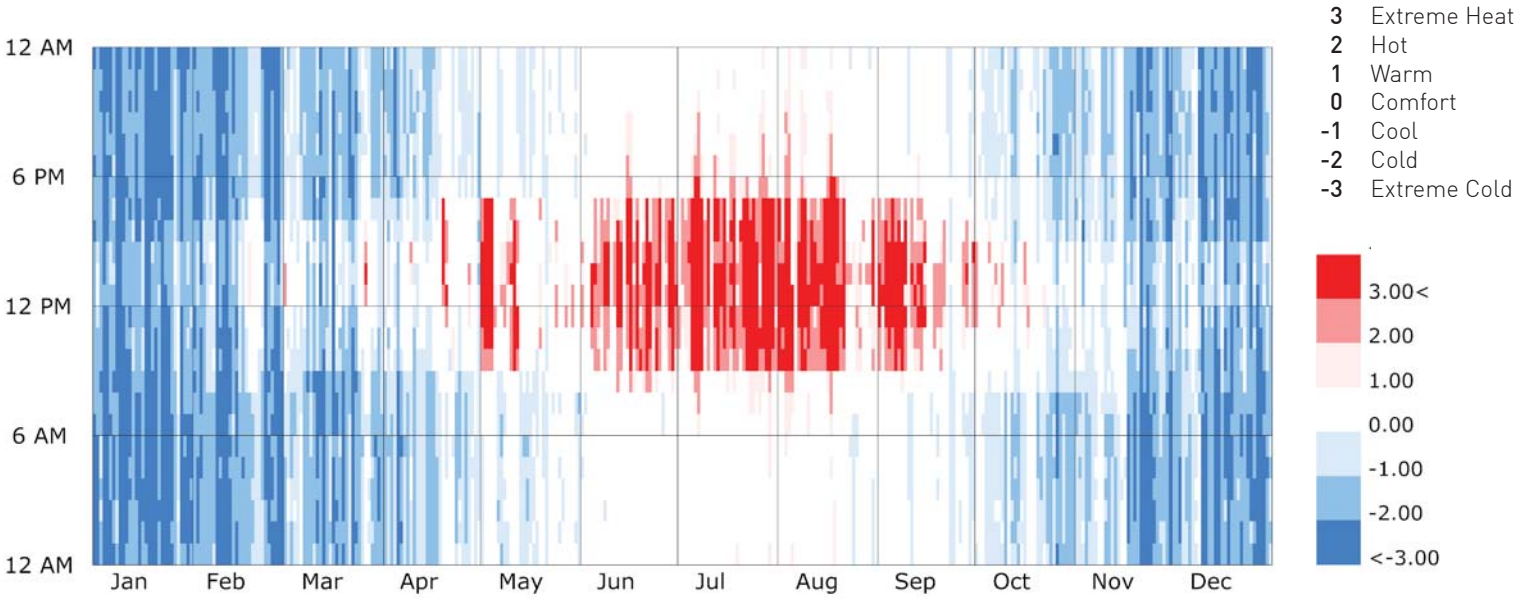


Comfortable: 37.84% **Short Pd Comfort:** 19.17% **Heat Stress:** 9.27% **Cold Stress:** 32.72%

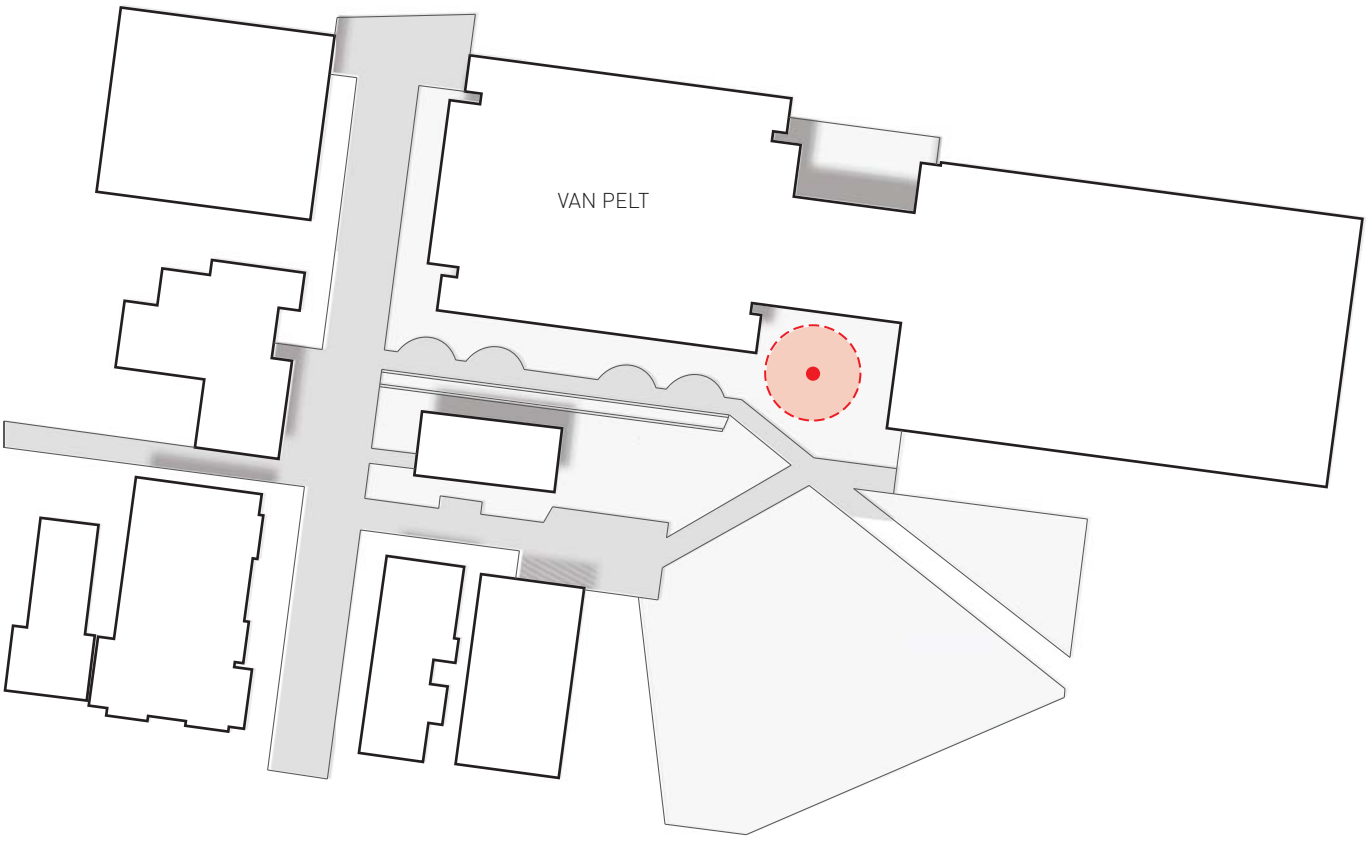


LOCATION C

Outdoor Comfort (Hourly)

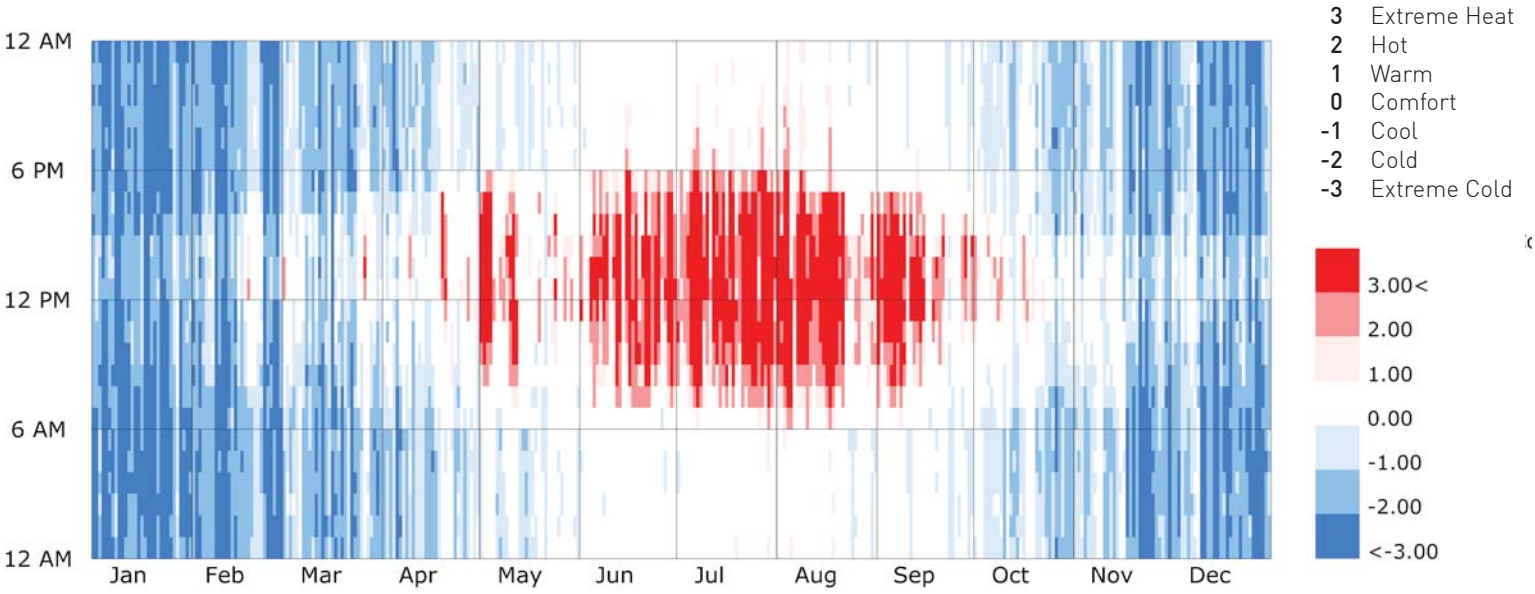


Comfortable: 39.18% **Short Pd Comfort:** 19.43% **Heat Stress:** 8.93% **Cold Stress:** 32.47%

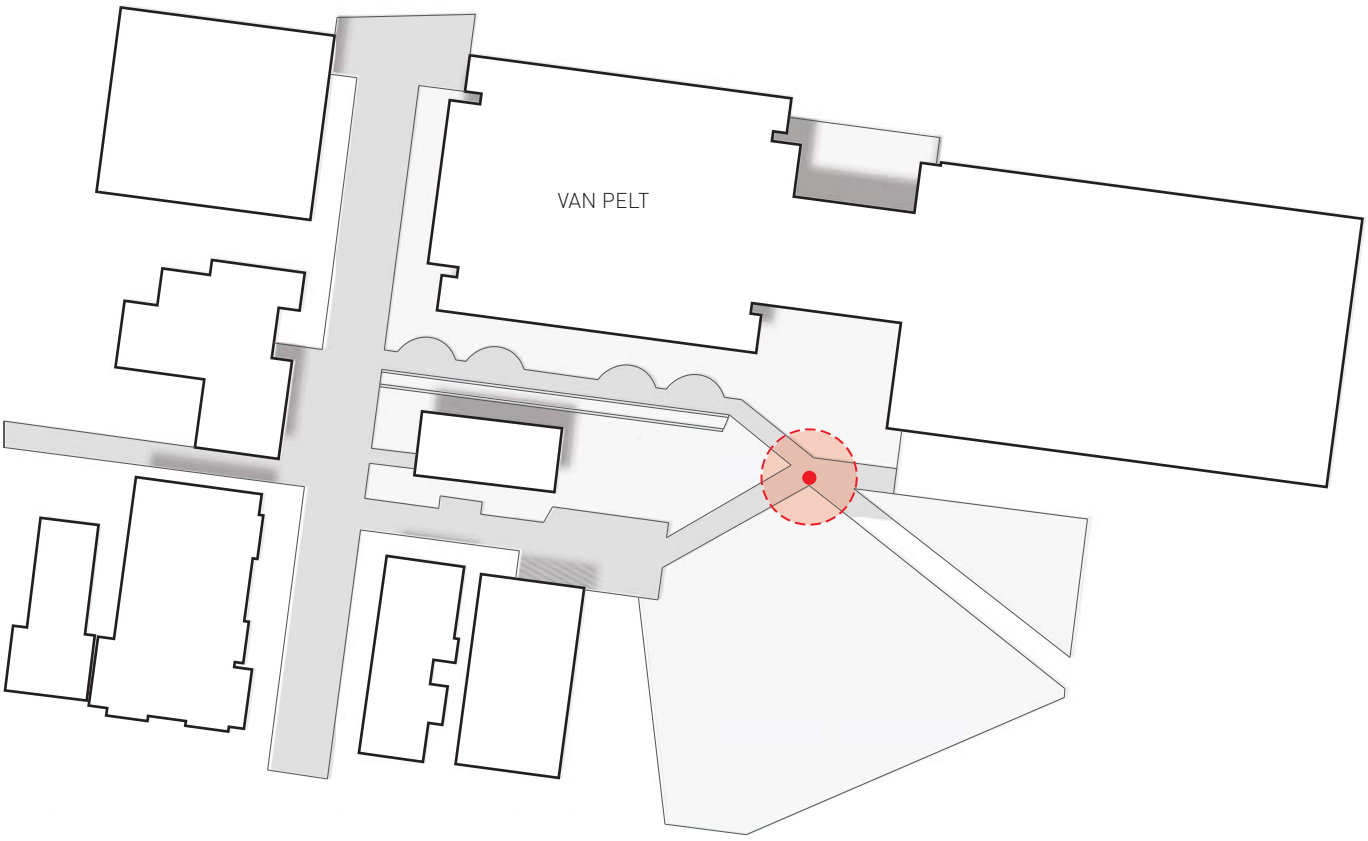


LOCATION D

Outdoor Comfort (Hourly)

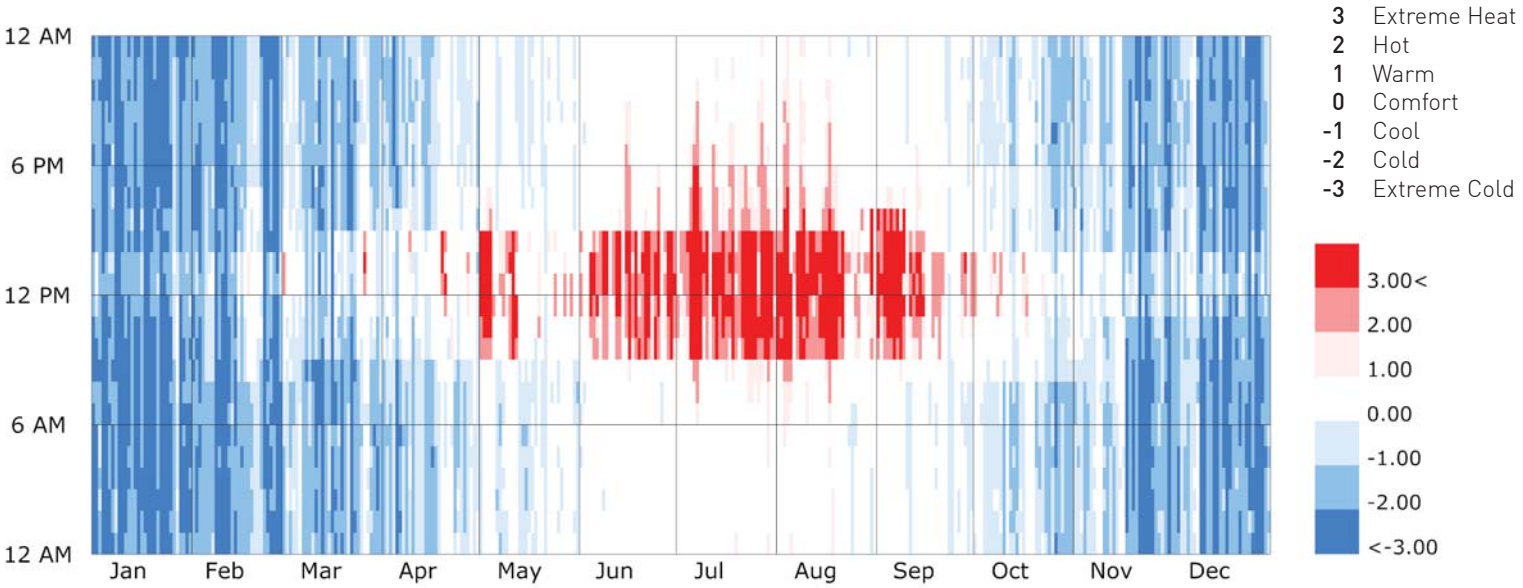


Comfortable: 37.92% **Short Pd Comfort:** 19.05% **Heat Stress:** 10.97% **Cold Stress:** 32.05%

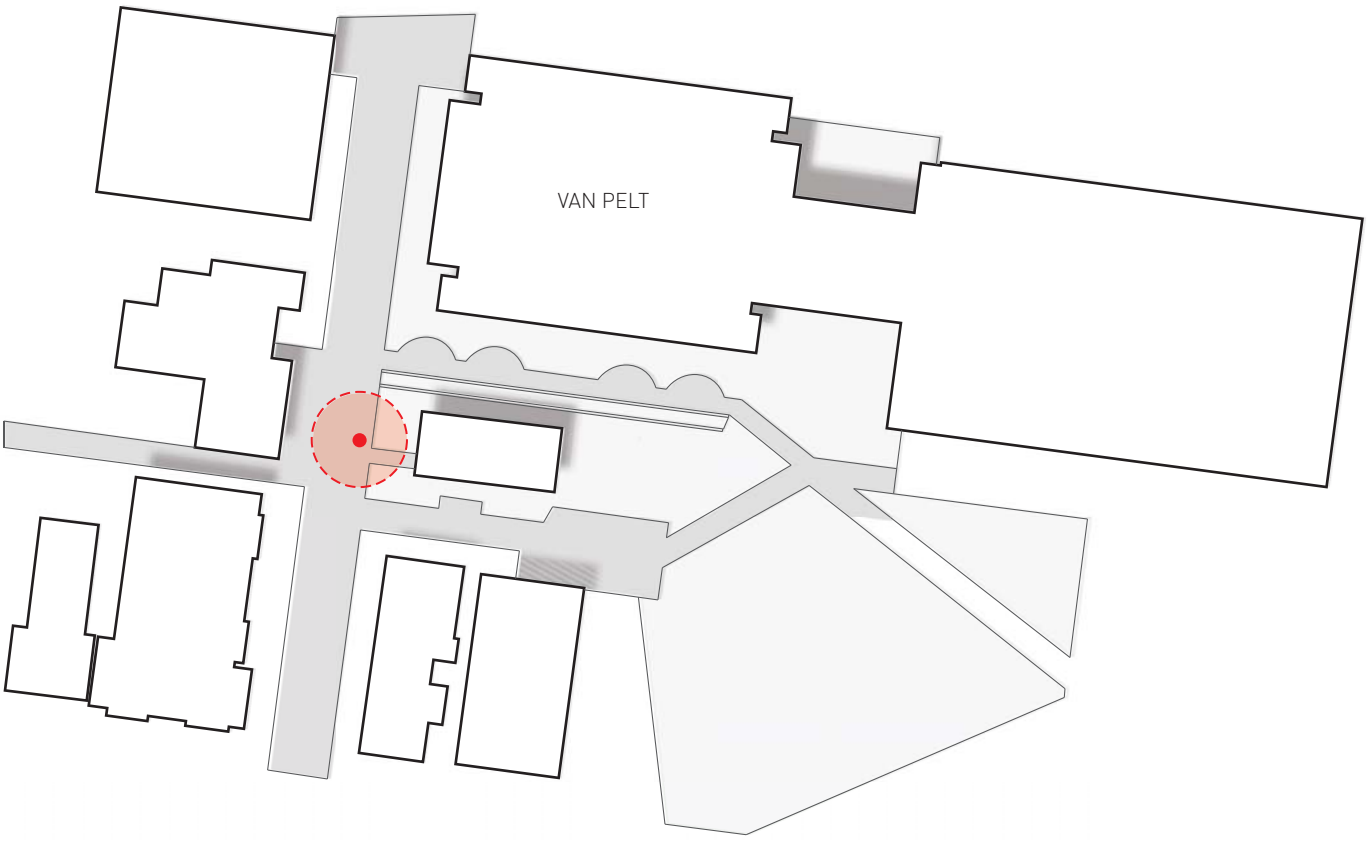


LOCATION E

Outdoor Comfort (Hourly)



Comfortable: 39.36% **Short Pd Comfort:** 19.58% **Heat Stress:** 7.69% **Cold Stress:** 33.37%



1. What was your thinking to find the best location?

I looked for areas that received a moderate amount of sun exposure, based on the sunlight hours analysis we performed on the site. I tried to pick areas with varying amounts of shade, provided by surrounding buildings or trees.Ideally the location would be protected from the summer sun but would receive solar gain during the winter.

2. What is the difference between the best and the worst locations?

The best location, E, receives a moderate amount of sunlight during the daytime, and the surrounding buildings block the eastern and western sun. Most of the heat stress occurs between 9 am and 3 pm during the summer months.

The worst location, B, receives more sunlight over the course of a day. It also seems to have less protection from the early morning / late aftenoon sun.

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3. What are the effective parameters that makes the best location perform better than other spots?

The buildings on the east and west side of the location prevent heat stress and block radiation. It still receives solar gain during the winter.

4. What are the main limitations of the current simulation method for your study?

It doesn't account for trees on the site, the clothing of the person, the personal comfort preference of the person, or other factors such as wind and humidity.