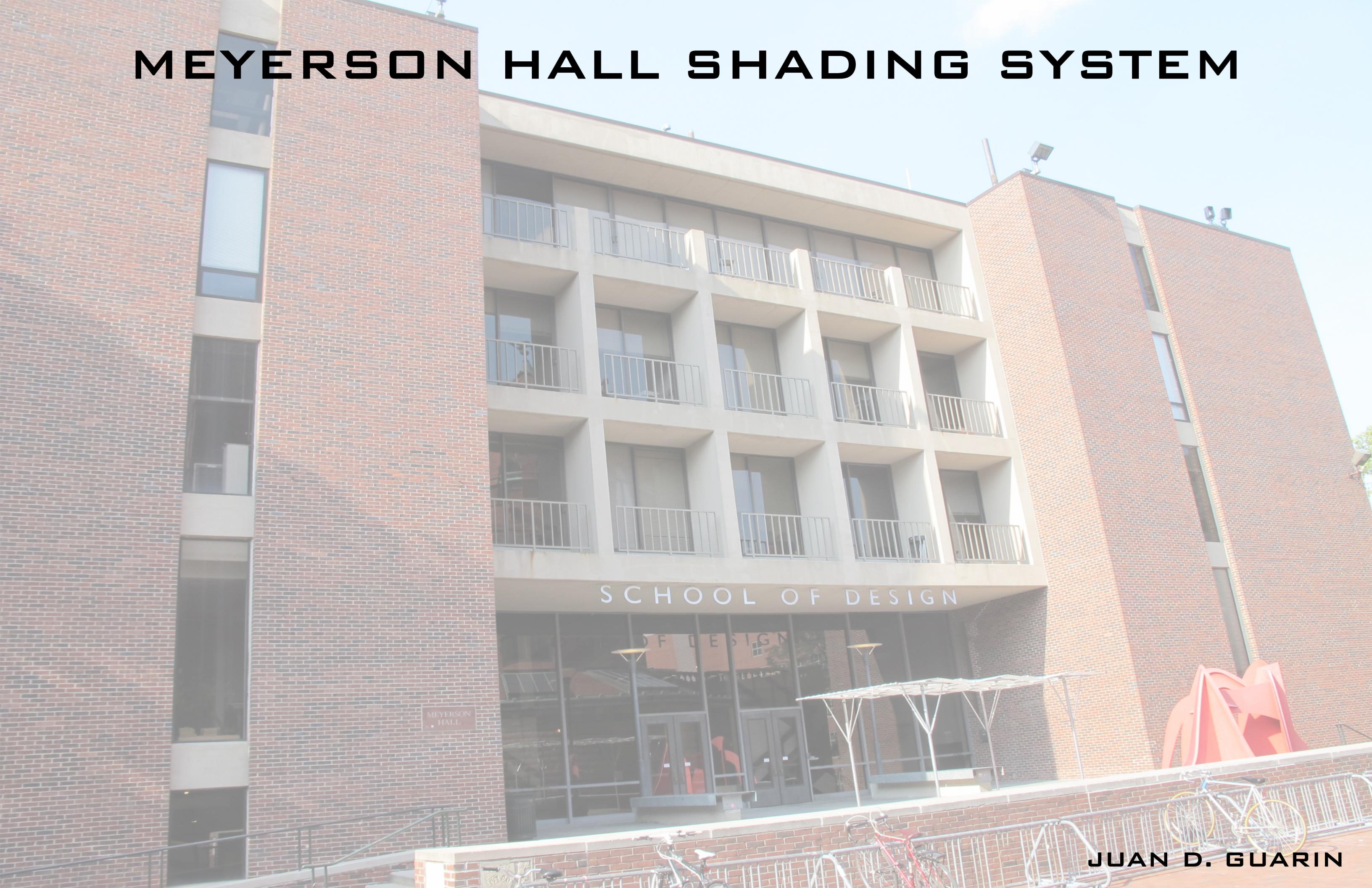


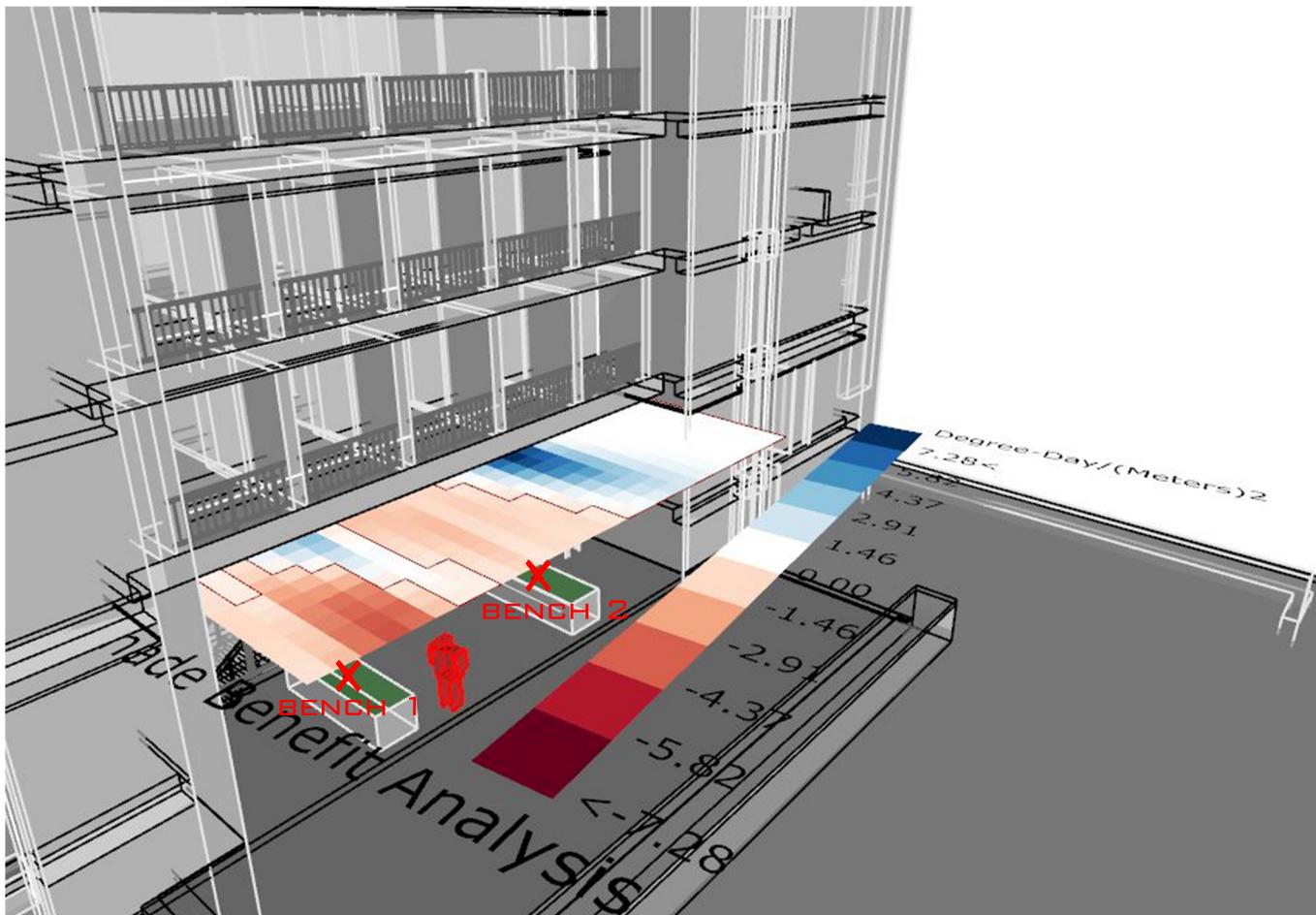
MEYERSON HALL SHADING SYSTEM



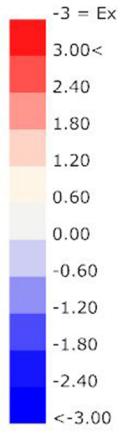
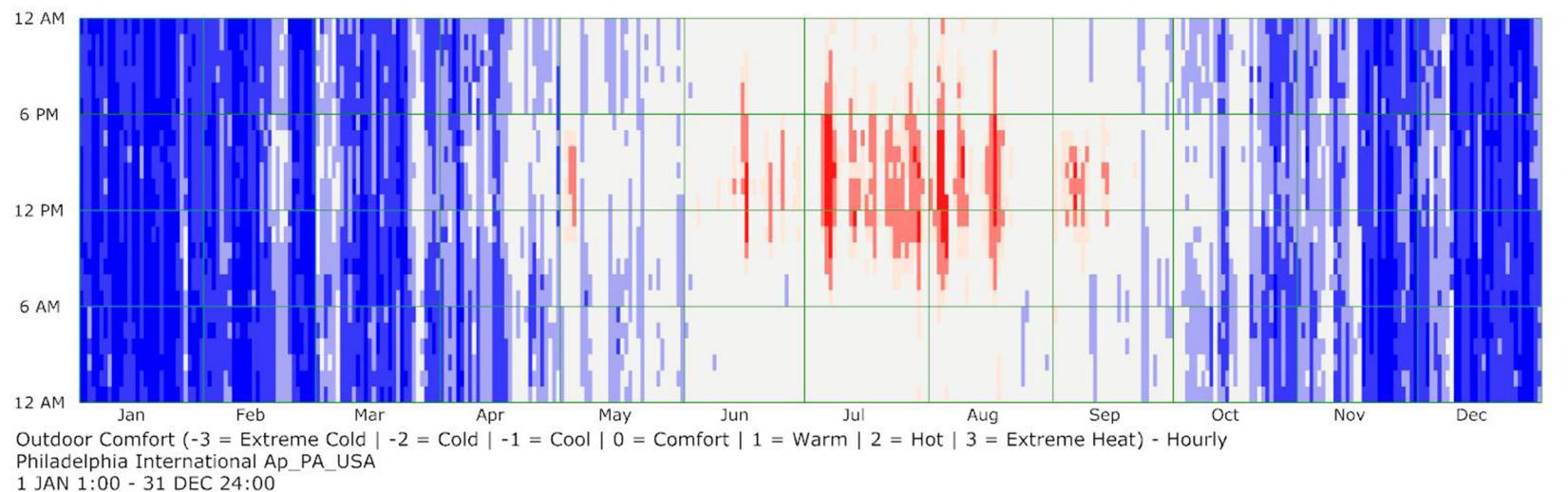
JUAN D. GUARIN

SHADING CALCULATION WITHOUT CONTEXT

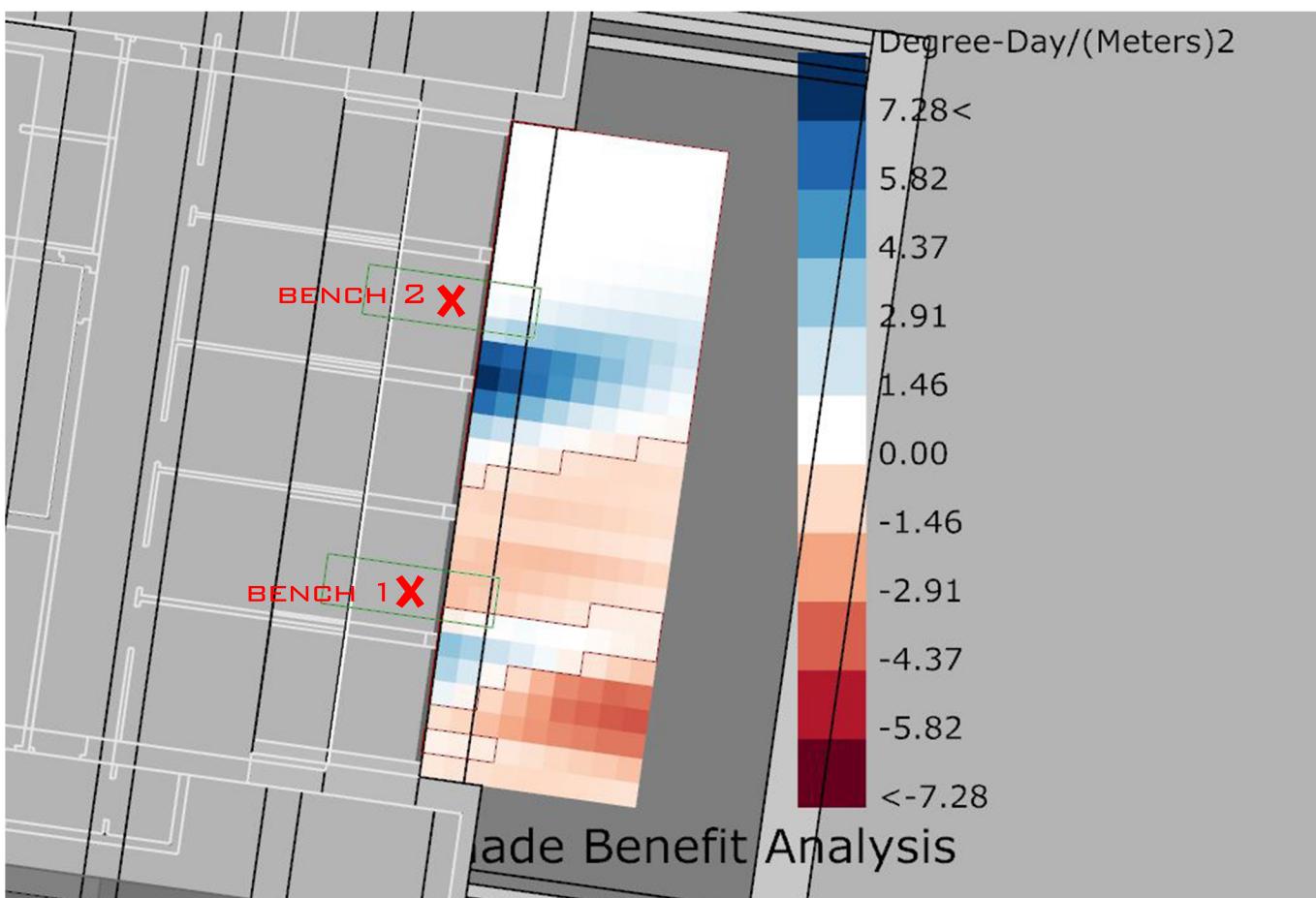
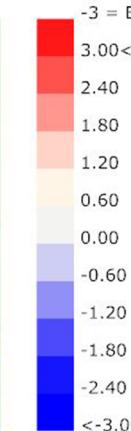
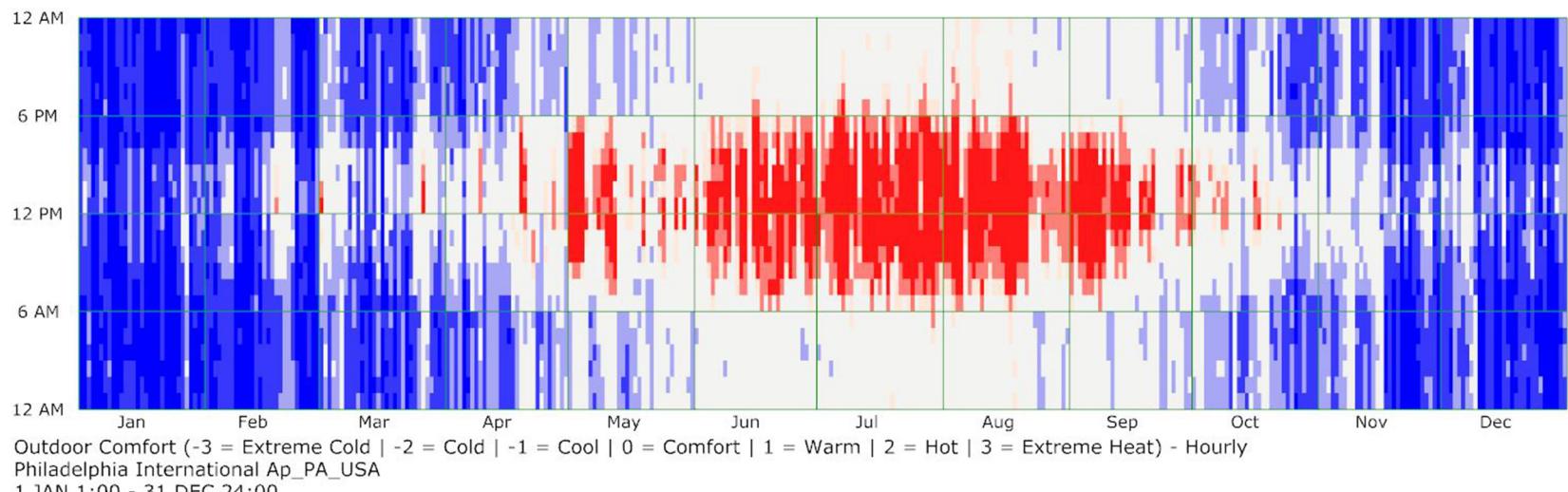
SHADING PERCENT TO KEEP: 60% / BASE COMFORT TEMPERATURE: 20°



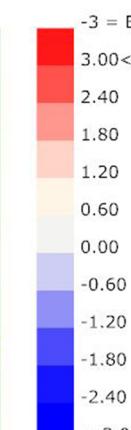
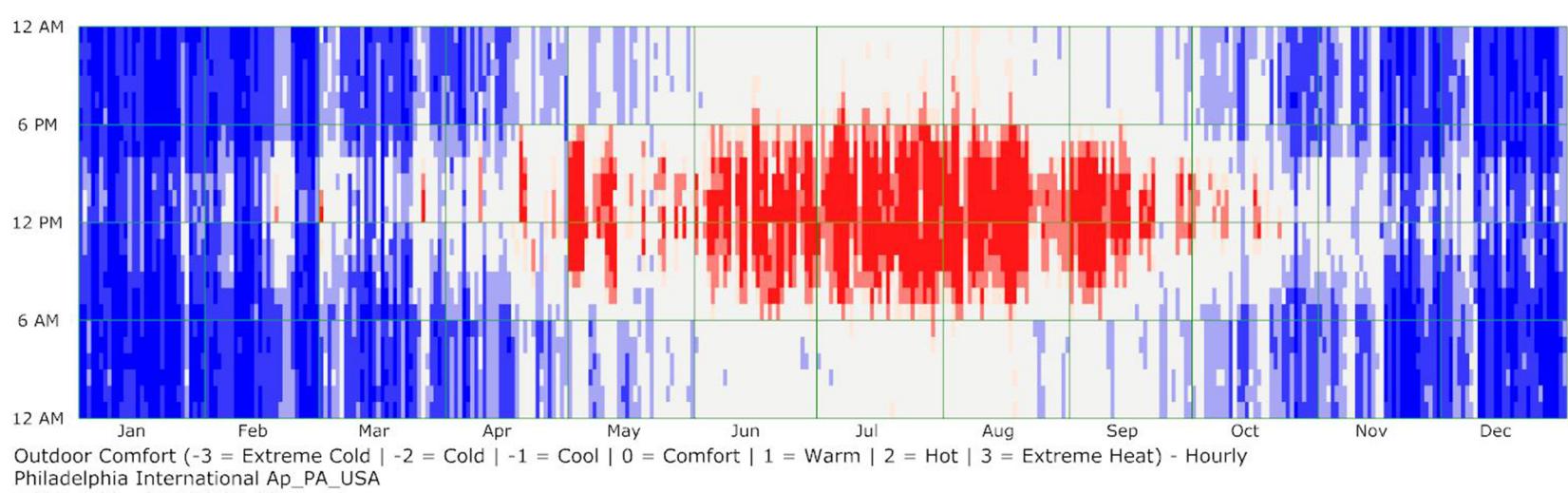
FULLY SHADED - COMFORT: 41.27%



BENCH 1 WITH RADIATION - COMFORT: 37.34%

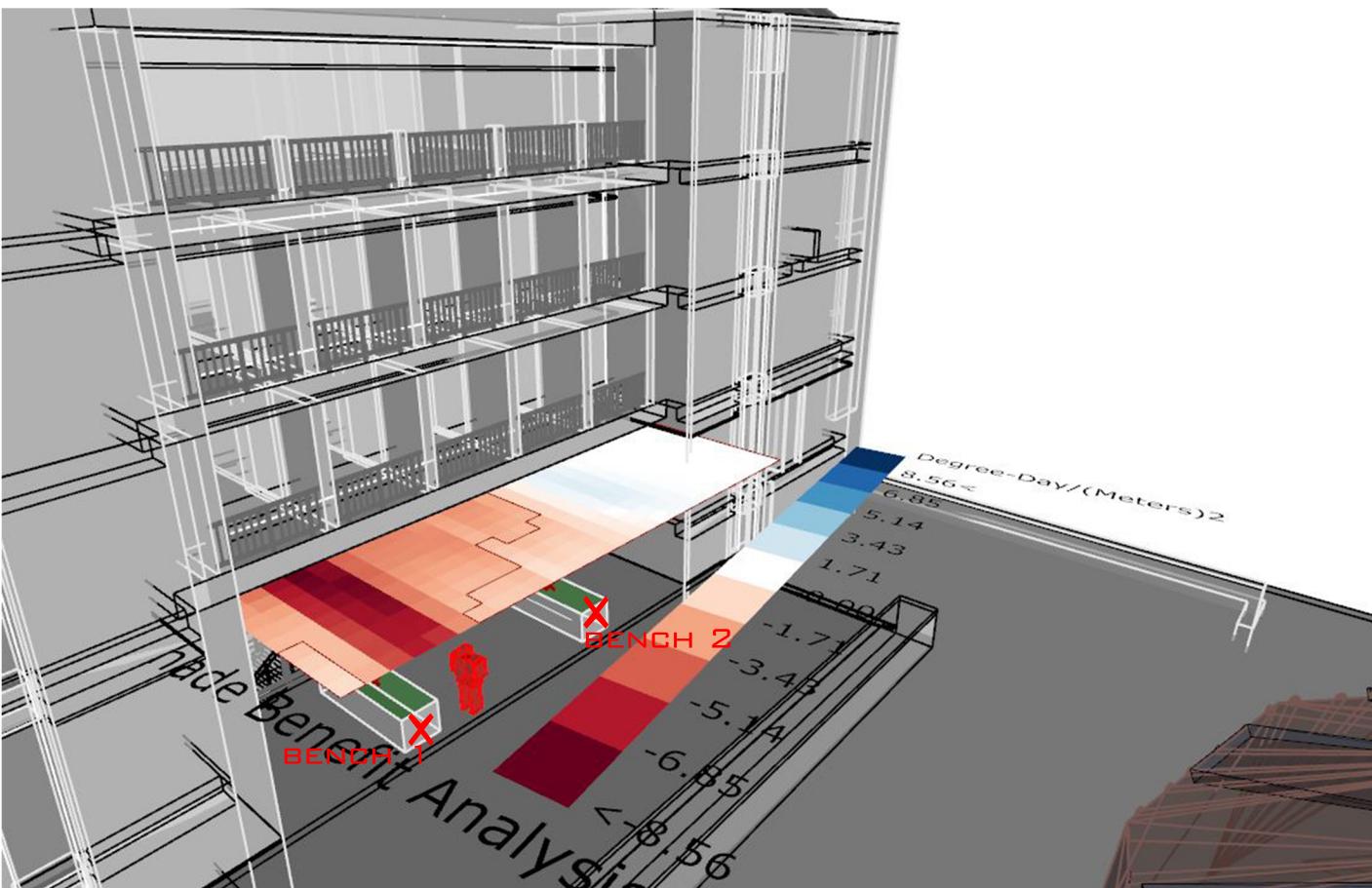


BENCH 2 WITH RADIATION - COMFORT: 37.34%

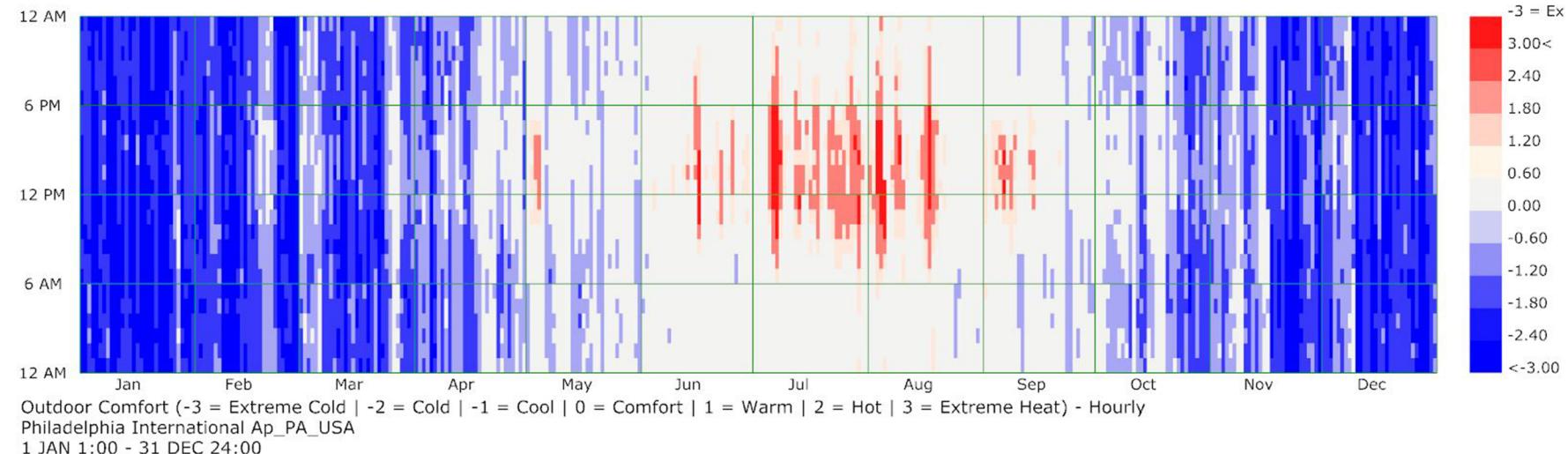


SHADING CALCULATION WITH MAYERSON HALL+FISHER ARTS LIBRARY

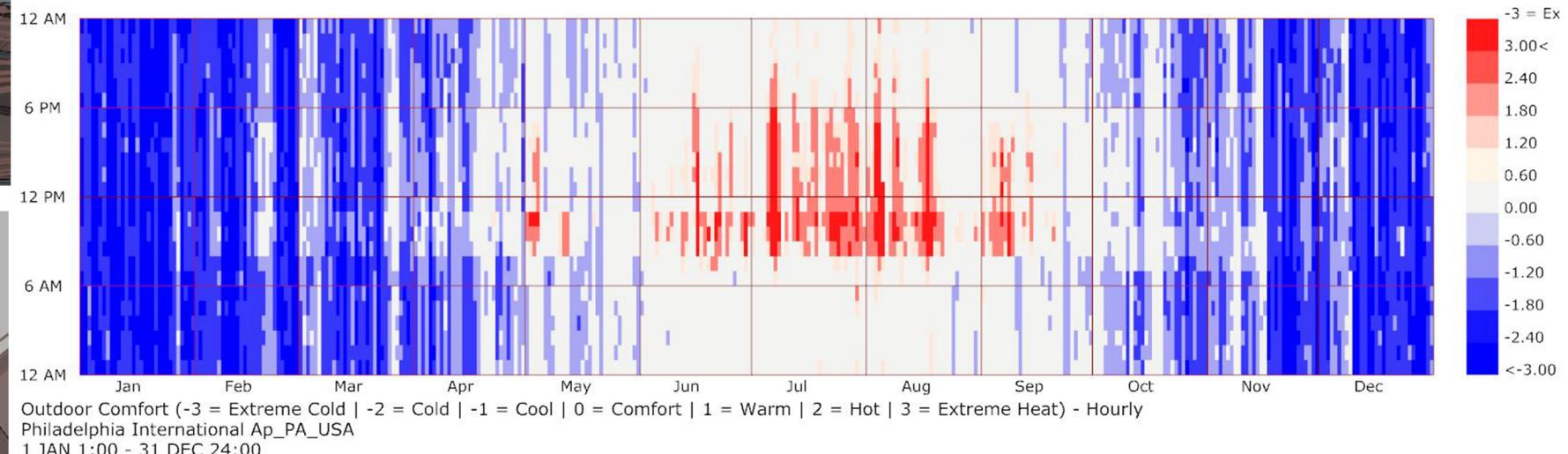
SHADING PERCENT TO KEEP: 60% / BASE COMFORT TEMPERATURE: 20°



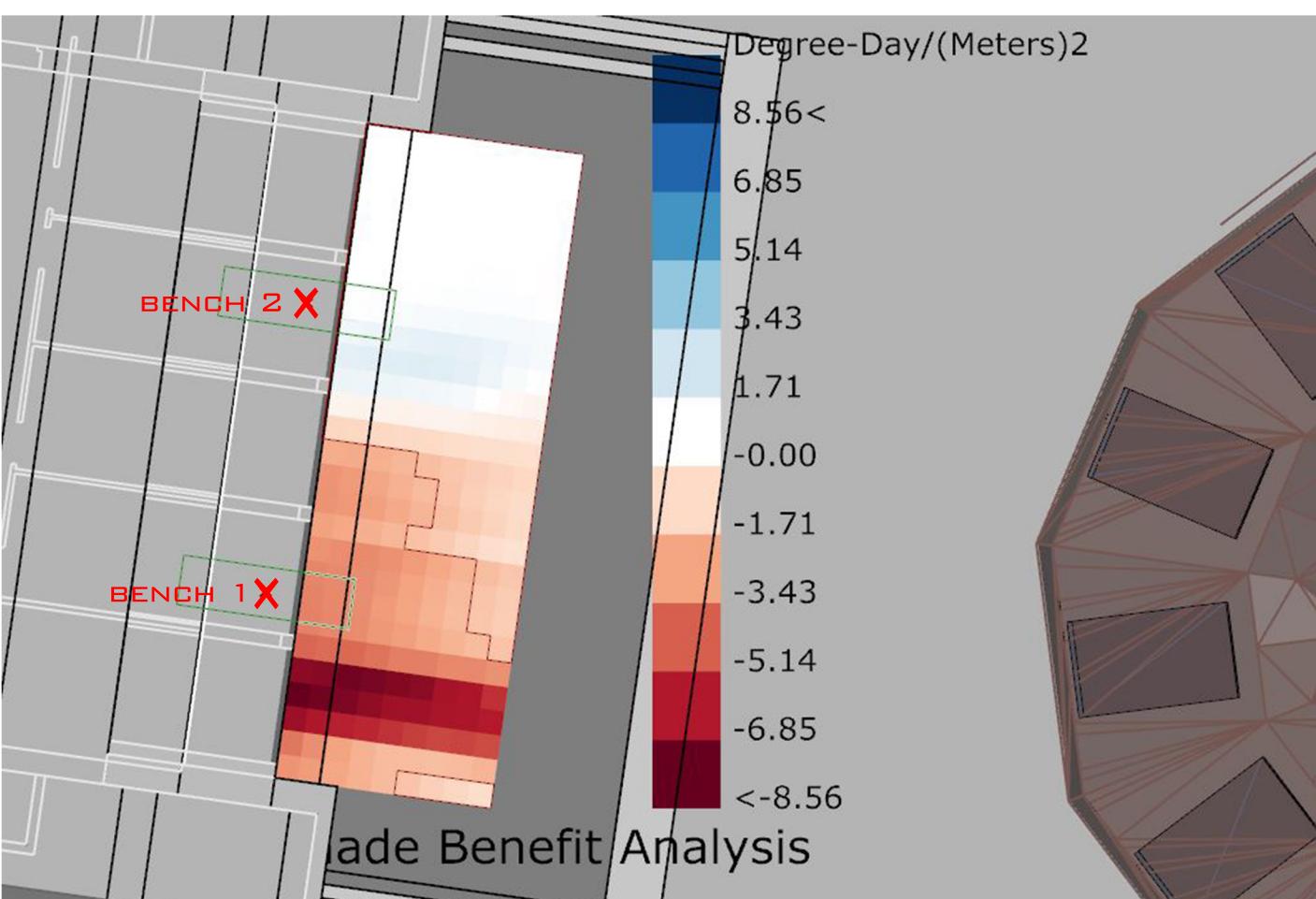
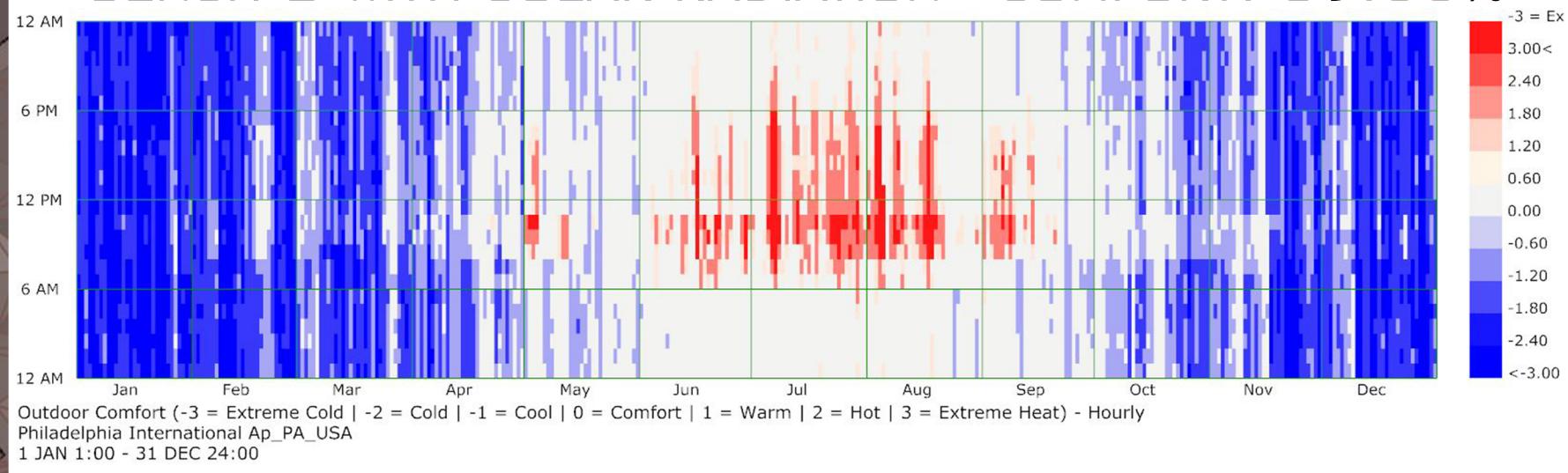
FULLY SHADED - COMFORT: 41.27%



BENCH 1 WITH SOLAR RADIATION - COMFORT: 39.85%

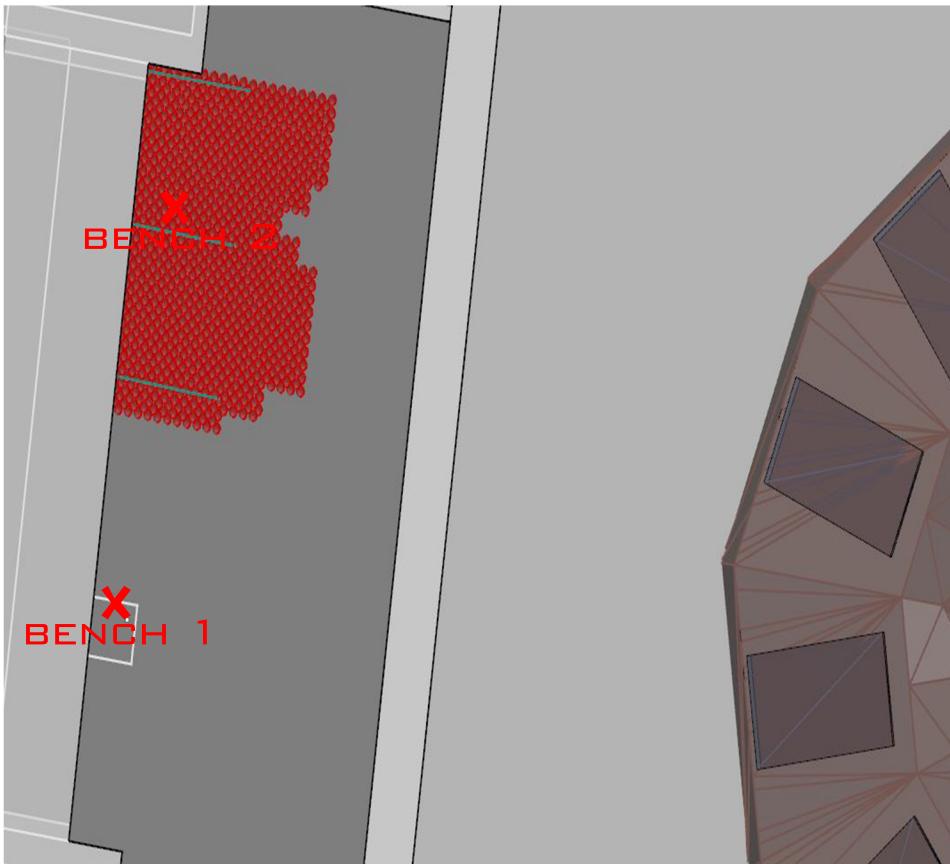


BENCH 2 WITH SOLAR RADIATION - COMFORT: 39.66%

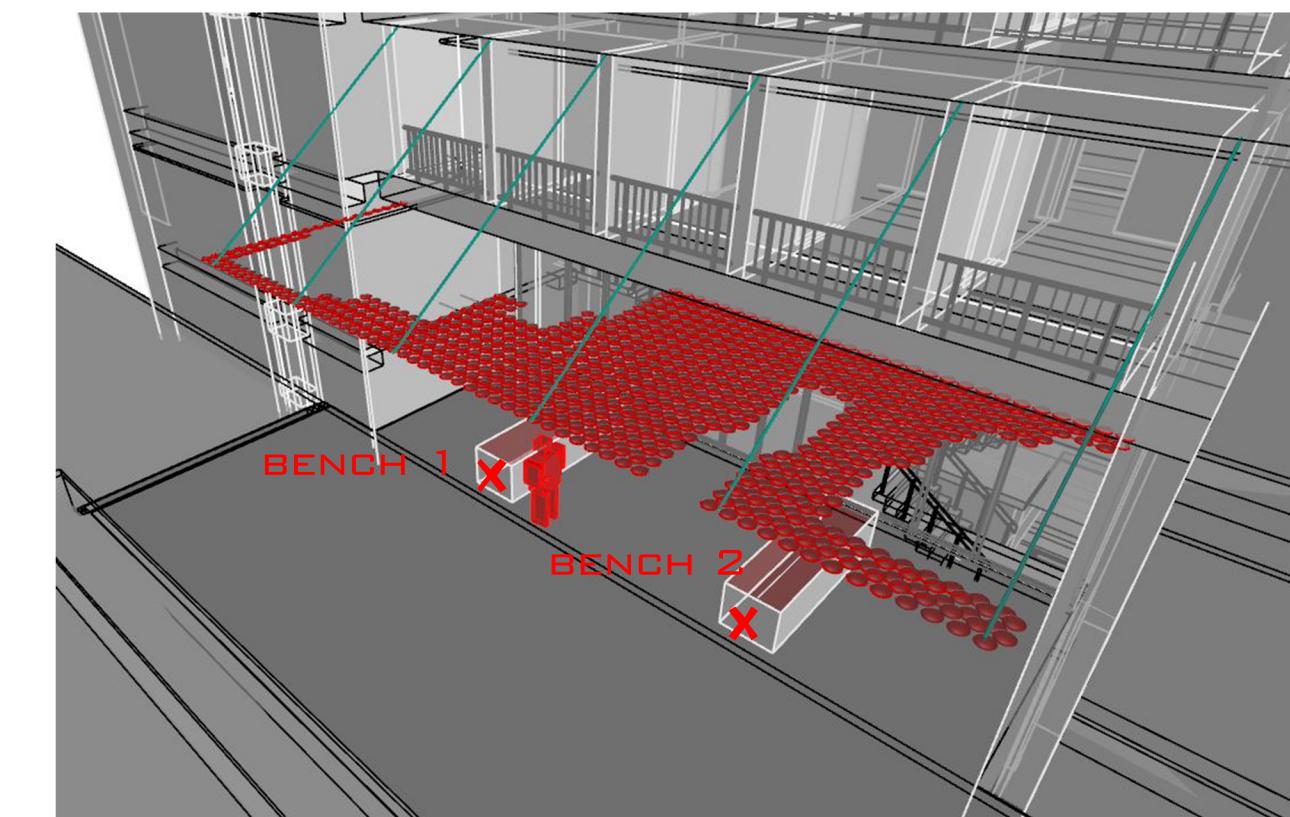
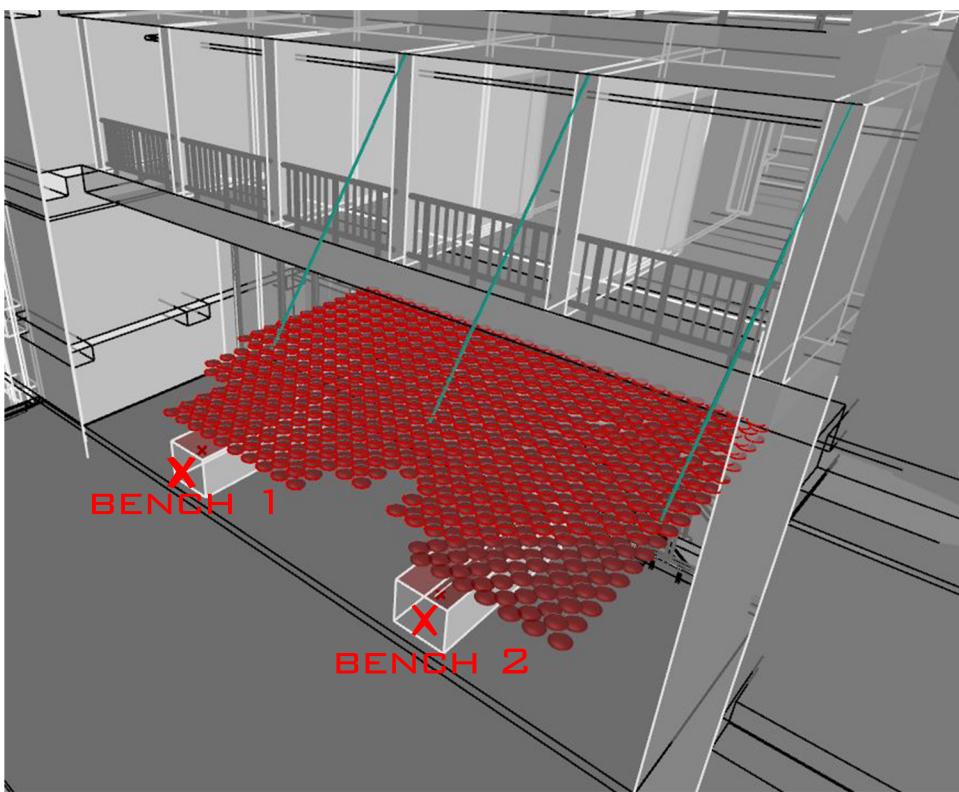
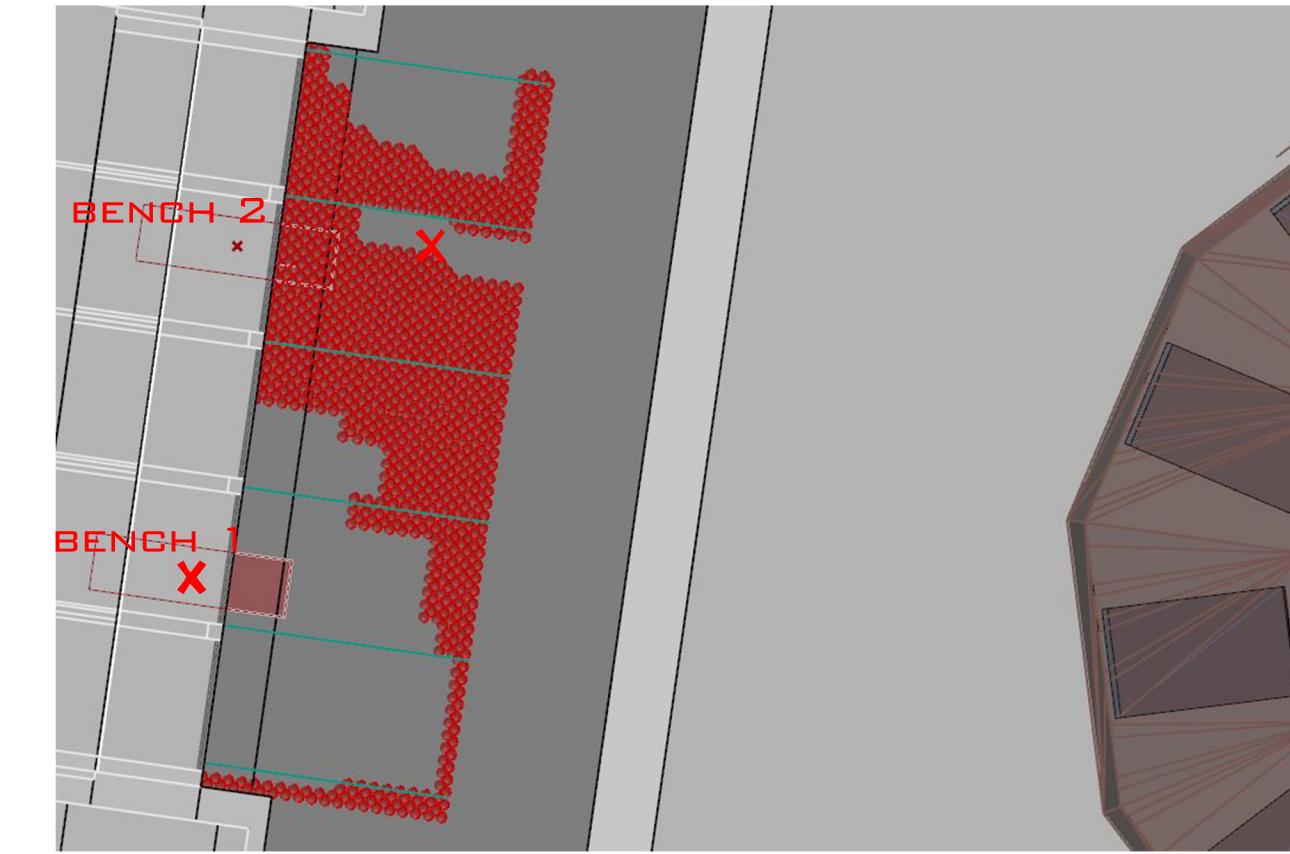


SHADING SYSTEM DESIGN

SHADING PERCENT TO KEEP: 40%



SHADING PERCENT TO KEEP: 60%

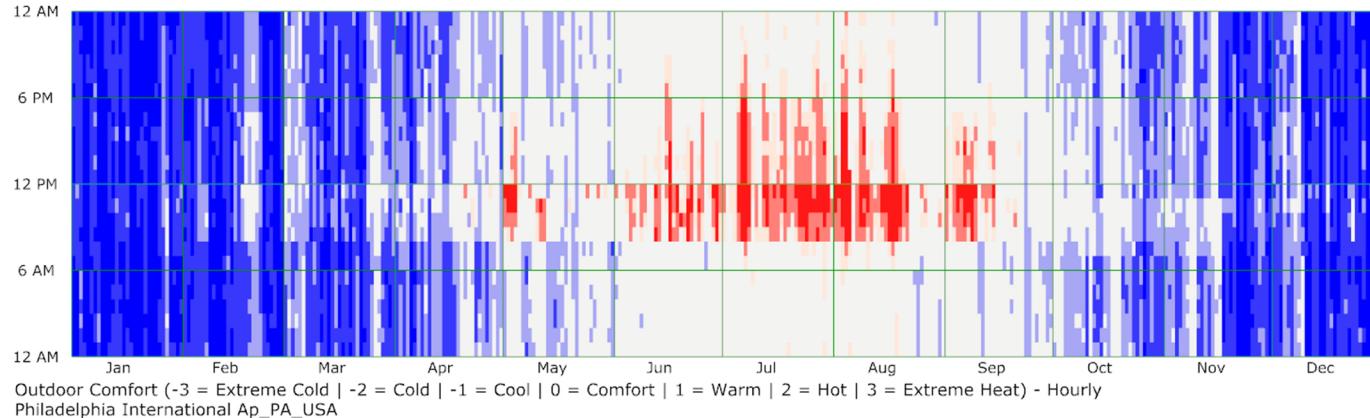


SHADING SYSTEM DESIGN CONCLUSIONS

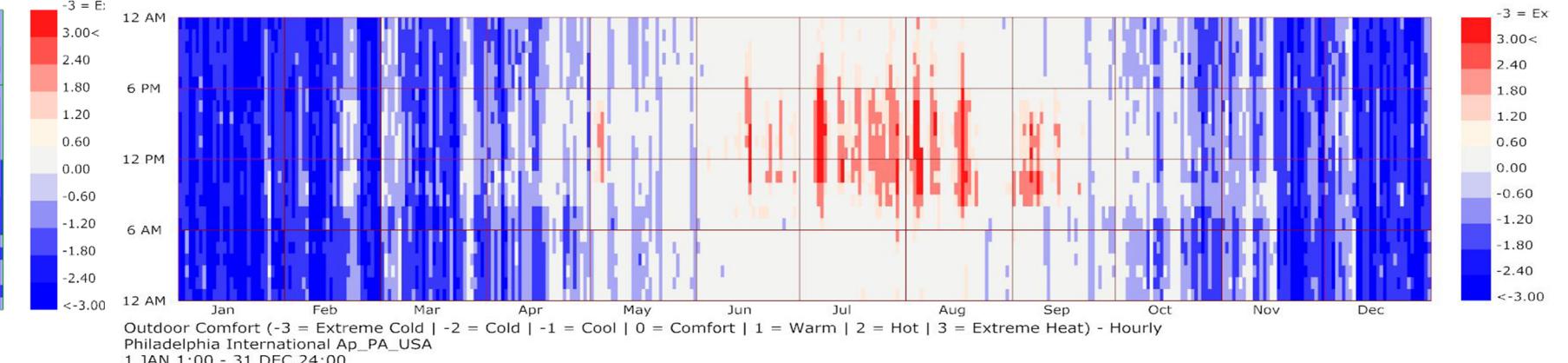
SHADING PERCENT TO KEEP: 40%

SHADING PERCENT TO KEEP: 60%

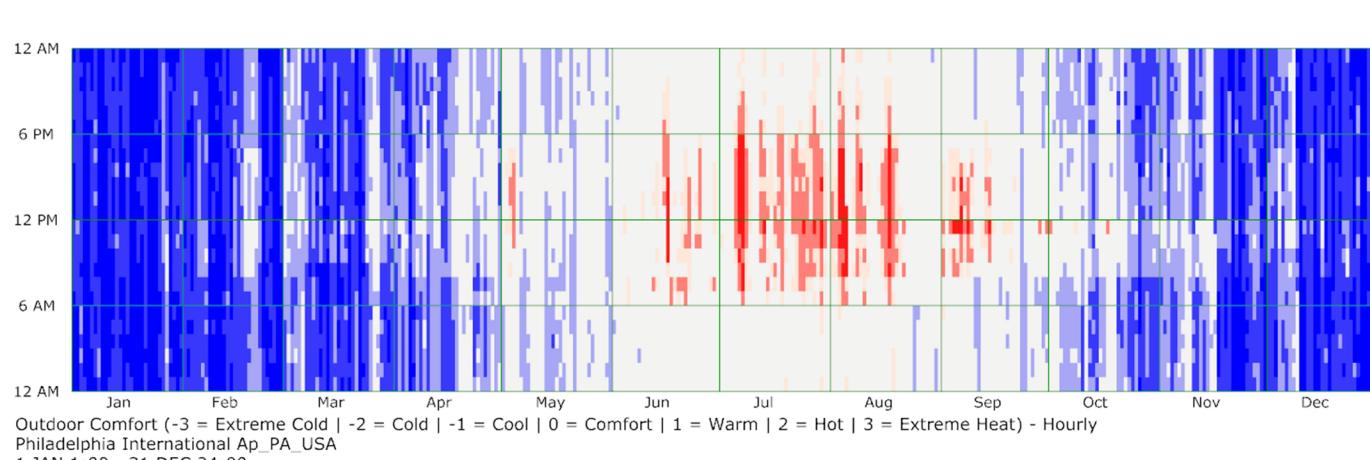
BENCH 1 - COMFORT: 39.86%



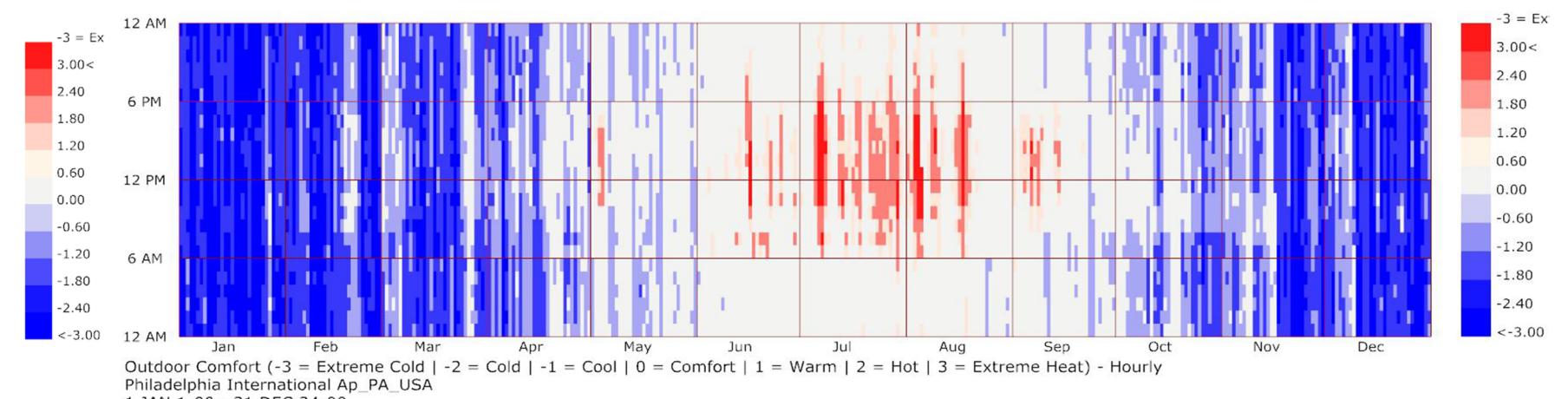
BENCH 1 - COMFORT: 41.17%



BENCH 2 - COMFORT: 41.11%



BENCH 2 - COMFORT: 41.21%



KEEPING 60% OF THE SHADING SYSTEM WILL GENERATE MORE COMFORT IN MAYERSON HALL'S PLAZA
ESPECIALLY IN BENCH #1. COMFORT RESULTS WHEN KEEPING SHADING PERCENT TO 40% IN BENCH #1
ARE CONSIDERABLY LOW MAKING IT AN UNEFFICIENT SOLUTION FOR ACHIEVING A PROPER SHADING SYSTEM