

MechSE WELLness

T02 Enhanced Thermal Performance

Intent: Enhance thermal comfort and improve productivity by ensuring that 80% of occupants perceive their environment as thermally acceptable.

Building users who are satisfied with their thermal environment have been shown to be more productive in the workplace, while thermal discomfort is associated with sick building syndrome symptoms and other conditions that lead to a decrease in productivity. Unfavorable levels of heat, humidity and ventilation are associated with symptoms of itchy eyes, headaches, and throat irritation.

Impact: Satisfaction with their thermal is linked to improved health, well-being, and productivity.

What are the requirements to earn this credit?

1. During standard occupied hours (8am to 5pm excluding holidays and weekends), 100% of regularly occupied spaces achieve satisfactory thermal conditions per ASHRAE 55 – Thermal Environmental Conditions for Human Occupancy – within +/- 0.5 PMV level.
2. Administer an occupant survey at least twice a year, including once in June, July, or August and once in December, January, or February which all regular building users invited to participate, at least 35 responses if more than 45 solicitants, survey includes assessment of overall satisfaction, and the results comply with target satisfaction thresholds of 90% of occupants (2 points).

How is MechSE accomplishing these requirements?

Due to advanced diagnostics, and user control of the space temperature, the space should meet the thermal comfort requests unless there is equipment failure. To meet the survey requirements, MechSE Human Resources and Communications send a survey that includes thermal environment questions twice a year. These are sent department-wide, with results tallied specifically for occupants of LUMEB to meet the WELL Certification requirements. Your anonymous participation and honest answers are very helpful in maintaining optimal thermal environment and are taken seriously. Please take the less than five minutes to help us maintain certification even if everything is great!



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