

- LEED v4 BD+C – EQc5- Thermal Comfort Narrative

uses CBE Thermal Comfort Tool Calculator which demonstrates compliance to ASHRAE Standard 55-2013. This calculator uses psychrometrics, and interpolation based on the ASHRAE Standard and can be used to show compliance with ASHRAE 55-2013, which exceeds the ASHRAE 55-2004 requirements. The 2013 edition of ANSI/ASHRAE Standard 55 provides two (2) compliance methods: a graphic method for simple situation and an analytical method for more general cases.

The Office, Processing and Packing & Distributing Areas implement the occupied design HVAC setpoints of 70°F - 75°F with onsite thermostats. The clothing levels are the same in the areas of Processing and Packing & Distributing, because trousers and long-sleeve shirts are mandatorily required in all weather.

The estimated Metabolic rates are calculated in the uploaded file:

EQc5 - Time Weighted Average MET Spreadsheet.

Non-regularly occupied zones are excluded from compliance (mechanical/electrical rooms and storage rooms).