

**ENERJOY® Installation:  
Cooley Law School  
East Lansing, Michigan**

**Radiant Ceiling Heating**



Cooley Law School is the largest law school in the country, with multiple Michigan campuses and national internet instruction courses. Cooley purchased a ten story circa 1970's building in East Lansing, Michigan to serve as headquarters. Each floor was removed and the structure converted to a six story building of the same height, permitting a grand, fully updated and securitized office and classroom structure. With a large arched window over ten (10) feet wide and five (5) feet tall in each office and the office areas, they wanted to assure perimeter comfort right up to the window.

The renovation has been an ongoing project, with the offices and lobbies completed in 2000, and the 5<sup>th</sup> and 6<sup>th</sup> floors completed in 2005. ENERJOY Radiant Ceiling Panels were chosen both initially and for the final completion. Above each arched office area window are five (5) revealed edge 2 foot by 2 foot (2' X 2') T bar grid lay-in ceiling panels, which perfectly match the chosen ceiling tiles.

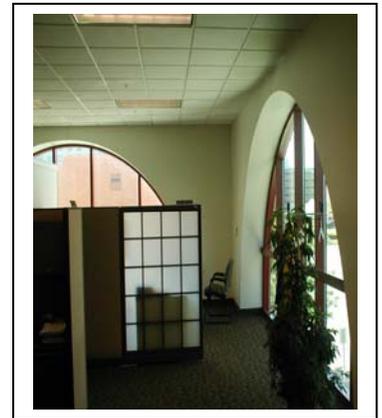


The building has an extensive ventilation system to assure optimum indoor air quality. The air, which is tempered according to the area needs, maintains the desired building temperature at the specified dry bulb air temperature set point. Located by each window, just above the sill, is a thermostat which is set to activate the ENERJOY panels whenever the perimeter air temperature falls more than four (4) degrees below the master area temperature set point. In this way, the occupant, whose chair is just in front of the

window facing the desk, can be comfortable as the cold window down draft is eliminated.

The expansive ground floor lobby has multiple entrances, spiral stair case, and reception, study, meeting, and lounge areas. There are large floor to ceiling windows and ample opportunity for drafts and discomfort due to swinging door entry, revolving door entry, open stair case to the second floor, and slab on grade floor. ENERJOY panels are used to address each of these heat losses by working with the laws of physics to take advantage of the opacity of glass to long wave radiant energy, radiant warming of the floor, tempering of surface temperatures near the entries, and provision of radiant warmth upon entry.

With over 1,000 panels installed, there have been no failures due to manufacturing defects. Occupant thermal comfort has been maintained in the harsh Michigan winter conditions, valuable office space has been fully used right up to the perimeter, and ENERJOY was reordered for the final phase of building completion. The Facilities Manager, RJ Brennan, says of the effectiveness of ENERJOY "It's a great design that works real well. We will consider it for other campus building renovations that may be done."



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