RADIANT COMFORT

without the use of wet systems allows for a variety of heating and cooling equipment to deliver radiant comfort. Multitasking – is another powerful feature that combines both pre-cool the building while ventilating.
Stable in emergency and maintain comfort long after the conventional systems stopped to sustain it.

HOT CLIMATES

DURING THE DAY
the cooled supply air passes through the core in the slab.
At the concrete structure itself is cooled itabsorbs the supply air heat
much more efficiently than in a conventional system

DURING THE NIGHT
the cooled supply air is re-circulated in the building. The air cools down the slab dissipates the supply air heat stored during occupied hours.

COOL CLIMATES

DURING THE DAY
the surplus air fans are running and the building structure stores the supply air heat in the same way as the hot climate. Most commercial buildings need cooling even in winter.

DURING THE NIGHT
the surplus fans are switched off. The heavy concrete structure and good insulation enables the stored energy to be retained to provide adequate comfort the following morning. For very cold nights and weekends, additional heating may be required. This is done by re-circulating warm air through the slabs.

QUICK FACTS

1. TermoBuild is a supplier with a design that has to get involved in early stages of building design. TermoBuild is cutting edge and forward thinking by using precision software and computer-generated controls to oversee temperatures in the building. For detailed scope of TermoBuild web site and refer to www.termobuild.com/services
2. TermoBuild's breakthrough technology was conceived over 40 years and to date, hundreds of TermoBuild buildings are in use all over Europe for a multitude of purposes.
3. TermoBuild buildings operate like a hybrid car. The hollow core slabs act as a hybrid battery that recharges itself to release hot and cool temperatures throughout the building as needed.
4. TermoBuild buildings do not cost more to build versus conventional structures.
5. "Set it and forget it" – Hassle-free temperature control scheduling is achieved through intelligent algorithms based on individual self-administered needs and/or established usage patterns for heat and cool energy.
6. Radiant heating and cooling occurs silently and does not disturb the peace or enjoyment of building occupants at any time.
7. Begin saving on energy costs from day one of building occupancy.
8. "Green thinking" and "environmental consciousness" form an emotional link with people who care about the future of our world. Benefit from extra support for your building project by going green and champion as a leader of this movement.
9. Sustainable construction is the fastest growing segment of the building industry and TermoBuild is a leader of this market.
10. TermoBuild buildings work in all type of climates and in any weather conditions.

AWARDS AND ACCOLADES:

- Featured as "Green Tip #1" by ASHRAE Green Guide 2003
- Sheridan College in Brampton, Ontario was voted "Best Building of 2006" by Construct Canada.
- Winner of the 2006 Concrete Award for Sheridan College in Brampton, Ontario.

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at: www.cpci.ca

ratures.

From day one of occupancy, TermoBuild buildings are at work to reduce energy costs and consumption. The powerful forces of nature are harvested 24/7.

As a surplus feature, TERMOBUILD buildings are naturally self-cleansing through a sophisticatedly placed ventilation system – an amenity that supplies occupants with