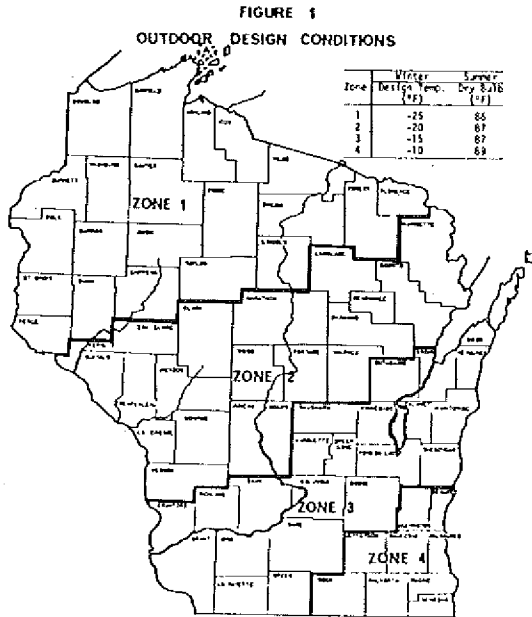


(b) *Summer.* The summer design temperature differential shall be determined using an indoor design temperature of 78° F and the outdoor design temperature as given in Figure 1.



(5) **PROHIBITION OF HEATED SIDEWALKS.** The installation or use of heated sidewalks is prohibited as specified in s. 101.124, Stats.

Note: Section 101.124, Stats., reads as follows:

"Heated Sidewalks Prohibited. In this section "exterior pedestrian traffic surface" means any sidewalk, ramp, stair, stoop, step, entrance way, plaza or pedestrian bridge not fully enclosed within a building and "heated" means heated by electricity or energy derived from the combustion of fossil fuels, but not including the use of waste thermal energy. "Exterior pedestrian traffic surface" does not include any means of ingress and egress by the physically disabled required under s. 101.13 (2), Stats. No person may construct a heated exterior pedestrian traffic surface. The department may not approve any plan under s. 101.12, Stats., which includes such heated surface. The department shall order any existing heated exterior pedestrian traffic surface in operation after April 30, 1980, to be shut off. This section does not apply to any inpatient health care facility as defined in s. 140.85 (1), Stats."

History: Cr. Register, May, 1978, No. 269, eff. 7-1-78; r. and recr. (3), Register, May, 1980, No. 293, 6-1-80; am. (3) and (4), cr. (5), Register, December, 1981, No. 312, eff. 1-1-82.

**Ind 63.12 Design criteria. (1) THERMAL PERFORMANCE.** (a) Except as provided in par. (b), the thermal performance values for the exterior envelope of all buildings, shall not exceed the values specified in Table 63.12-A.

TABLE 63.12-A

## THERMAL PERFORMANCE VALUES

Number of Stories	Thermal Performance Values*
1-2	12
3-4	13
5-7	16
8-12	18
13-20	20
Over 20	21

\*Expressed in Btu/hour/square foot of above-grade exterior envelope.

(b) 1. The thermal performance values for the exterior envelope of residential buildings including but not limited to apartments, row houses, town houses, condominiums, convents and monasteries of 3 stories or less in height shall not exceed 9 Btu/hour/square foot of above-grade exterior envelope.

2. The thermal performance values specified in Table 63.12-A shall not apply to special use buildings, such as greenhouses, tents, inflatable and similar types of structures.

3. The thermal performance values specified in par. (a) may be increased or decreased provided the U value for other components is decreased or increased so the total heat gain or loss for the entire building envelope and floor area does not exceed the total heat gain or loss resulting from conformance to the values specified in subs. (1) through (3).

Note: To determine the thermal performance value of a building, the designer may use a static or dynamic method of calculation provided such calculation method is acceptable to the department.

(2) FLOORS OVER UNCONDITIONED SPACES. The overall heat transmission coefficient (U-value) for floors of heated or mechanically cooled spaces over unconditioned spaces shall not exceed 0.08 Btu °F. Sq. Ft. hour.

(3) SLAB-ON-GRADE PERIMETER INSULATION. For slab-on-grade floors, the thermal resistance of the insulation around the perimeter of the floor shall not be less than the values shown in Table 63.12-B. The insulation shall extend downward from the top of the slab for a minimum distance of 24 inches, or downward to the bottom of the slab then horizontally beneath the slab for a minimum total distance of 24 inches.

TABLE 63.12-B

## PERIMETER INSULATION REQUIREMENTS

Slab-on-grade Perimeter Insulation	Zone 1	Zone 2	Zone 3	Zone 4
$R = \frac{°F \text{ Sq. Ft. Hour}}{\text{Btu}}$	6.7	6.2	5.9	5.2

History: Cr. Register, May, 1978, No. 269, eff. 7-1-78; am. (1) (intro.), Register, January, 1980, No. 289, eff. 2-1-80; r. and recr. (1), Register, May, 1980, No. 293, eff. 6-1-80; am., Register, December, 1981, No. 312, eff. 1-1-82; am. (1) (b) 1., Register, October, 1982, No. 322, eff. 11-1-82.

Register, October, 1982, No. 322  
Building and Heating,  
Ventilating and Air Conditioning