



SANS 10400-A General Principles and Requirements - Regulation A20 Classification and Designation of Occupancies applicable to Energy Efficiency Regulation XA Energy usage in buildings.

A1	Entertainment and public assembly Occupancy where persons gather to eat, drink, dance or participate in other recreation
A2	Theatrical and indoor sport Occupancy where persons gather for the viewing of theatrical, operatic orchestral, choral, cinematographical or sport performances.
A3	Places of instruction Occupancy where school children, students or other persons assemble for the purpose of tuition or learning.
A4	Worship Occupancy where persons assemble for the purpose of worshipping.
C1	Exhibition hall Occupancy where goods are displayed primarily for viewing by the public.
C2	Museum Occupancy comprising a museum, art gallery or library
E1	Place of detention Occupancy where people are detained for punitive or corrective reasons or because of their mental condition
E2	Hospital Occupancy where people are cared for or treated because of physical or mental disabilities and where they are generally bed-ridden
E3	Other institutional (residential) Occupancy where groups of people who either are not fully fit, or who are restricted in their movements or their ability to make decisions, reside and are cared for.
E4	Health care Occupancy which is a common place of long term or transient living for a number of unrelated persons consisting of a single unit on its own site who, due to varying degrees of incapacity, are provided with personal care services or are undergoing medical treatment.
F1	Large shop Occupancy where merchandise is displayed and offered for sale to the public and the floor area exceeds 250 m ²
F2	Small shop Occupancy where merchandise is displayed and offered for sale to the public and the floor area does not exceed 250 m ² .
F3	Wholesalers' store Occupancy where goods are displayed and stored and where only a limited selected group of persons is present at any one time.
G1	Offices Occupancy comprising offices, banks, consulting rooms and other similar usage.
H1	Hotel Occupancy where persons rent furnished rooms, not being dwelling units.
H2	Dormitory Occupancy where groups of people are accommodated in one room.
H3	Domestic residence Occupancy consisting of two or more dwelling units on a single site.
H4	Dwelling house Occupancy consisting of a dwelling unit on its own site, including a garage and other domestic outbuildings, if any.
H5	Hospitality Occupancy where unrelated persons rent furnished rooms on a transient basis within a dwelling house or domestic residence with sleeping accommodation for not more than 16 persons within a dwelling unit.

Roof & Ceiling Total System R-value (m ² .K/W)		
Zone	R-Value m ² .K/W	Climatic conditions
1	3.7	Cold interior
2	3.2	Temperate interior
3	2.7	Hot interior
4	3.7	Temperate coastal
5	2.7	Sub-tropical coastal
6	3.5	Arid interior