Occupant Load Calculation

TABLE 1004.1.1
MAXIMUM FLOOR AREA ALLOWANCES PER OCCUPANT

FUNCTION OF SPACE	FLOOR AREA IN SQ. FT. PER OCCUPANT
Accessory storage areas, mechanical equipment room	300 gross
Agricultural building	300 gross
Aircraft hangars	500 gross
Airport terminal 　Baggage claim 　Baggage handling 　Concourse 　Waiting areas	 20 gross 300 gross 100 gross 15 gross
Assembly 　Gaming floors (keno, slots, etc.)	 11 gross
Assembly with fixed seats	See Section 1004.7
Assembly without fixed seats 　Concentrated (chairs only—not fixed) 　Standing space 　Unconcentrated (tables and chairs)	 7 net 5 net 15 net
Bowling centers, allow 5 persons for each lane including 15 feet of runway, and for additional areas	7 net
Business areas	100 gross
Courtrooms—other than fixed seating areas	40 net
Day care	35 net
Dormitories	50 gross
Educational 　Classroom area 　Shops and other vocational room areas	 20 net 50 net
Exercise rooms	50 gross
H-5 Fabrication and manufacturing areas	200 gross
Industrial areas	100 gross
Institutional areas 　Inpatient treatment areas 　Outpatient areas 　Sleeping areas	 240 gross 100 gross 120 gross
Kitchens, commercial	200 gross
Library 　Reading rooms 　Stack area	 50 net 100 gross
Locker rooms	50 gross
Mercantile 　Areas on other floors 　Basement and grade floor areas 　Storage, stock, shipping areas	 60 gross 30 gross 300 gross
Parking garages	200 gross
Residential	200 gross
Skating rinks, swimming pools 　Rink and pool 　Decks	 50 gross 15 gross
Stages and platforms	15 net
Warehouses	500 gross

For SI: 1 square foot = 0.0929 m².

The formula is as follows:

Square footage of the space depending on function from table 1004.1.1

Maximum floor area allowance per occupant from table 1004.1.1

= Occupant Load

*If you need to calculate your occupant load, first look at your code footprint. It should already be calculated for you on those plans.
If you are unable to locate them, contact your local jurisdiction and see if they will measure the area for you.*