

**Occupant Load IBC: (IBC Table 1004.1.1)**

Activity	IBC Function of Space	Area/SF	Load Factor	Occupant Load
<b>Tenant 1A - Bakery</b>				
<b>Furniture Seating</b> (milling around, no fixed, max 9 seats)	Assembly without fixed seats, Unconcentrated (tables & chairs)	120 sf	15	8
<b>Customer Service</b> (self serve, circulation to bathroom etc)	Mercantile, grade floor areas	170 sf	30	6
<b>Front Work/Prep</b>	Kitchens, commercial	230	200	2
<b>Rear Storage</b> (back of house)	Mercantile, storage	100 sf	200	1
<b>Bathroom Shared w 1B</b> (single user, not counted because occupants come from others areas already counted)		44 sf	0	0
<b>Subtotal 1A</b>		664 sf		<b>17</b>

<b>Tenant 1B - Retail</b>				
<b>Retail</b> (sales)	Mercantile, grade floor areas	300	30	10
<b>Customer Service</b> (circulation to bathroom)	Mercantile, grade floor areas	100	30	4
<b>Storage</b> (back of house)	Accessory storage areas	100	300	1
<b>Bathroom Shared w 1A</b> (single user, not counted because occupants come from others areas already counted)		44 sf	0	0
<b>Subtotal 1B</b>		544		<b>15</b>

<b>Tenant 1C - Yoga Studio</b>				
<b>Lobby</b> (milling around)	Assembly without fixed seats, Unconcentrated (tables & chairs)	170 sf	15	12
<b>Studio</b> (Yoga)	Exercise Room	630 sf	50	13
<b>Storage</b> (props, cleaning etc)	Accessory storage areas	44 sf	300	1
<b>Bathrooms</b> (single user, not counted because occupants come from others areas already counted)		136 sf	0	0
<b>Subtotal 1C</b>		980 sf		<b>26</b>

<b>Total Occupant Load 1<sup>st</sup> Flr Commercial IBC</b>				<b>58</b>
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**Occupant Load NFPA: (NFPA Table 7.3.1.2)**

Activity	NFPA Classification	Area/SF	Load Factor	Occupant Load
<b>Tenant 1A - Bakery</b>				
<b>Furniture Seating</b> (milling around, no fixed, max 9 seats)	Mercantile, restaurants < 50 persons. Class C, < 3000sf on one story only (36.1.4.2.1.3)	120 sf	30	4
<b>Customer Service</b> (self serve, circulation to bathroom etc)		170 sf	30	6
<b>Front Work/Prep</b>	Areas of floors not used for sales purposes, such as storage and not open to public shall not be counted (36.1.4.2.2.3)	230	0	0
<b>Rear Storage</b> (back of house)		100 sf	0	0
<b>Bathroom Shared w 1B</b> (single user, not counted because occupants come from others areas already counted)		44 sf	0	0
<b>Subtotal 1A</b>		664 sf		<b>10</b>

<b>Tenant 1B - Retail</b>				
<b>Retail</b> (sales)	Mercantile, grade floor areas	300	30	10
<b>Customer Service</b> (circulation to bathroom)	Accessory areas	100	300	1
<b>Storage</b> (back of house)	Areas not used for sales, such as storage and not open to public shall not be counted (36.1.4.2.2.3)	100	0	0
<b>Bathroom Shared w 1A</b> (single user, not counted because occupants come from others areas already counted)		44 sf	0	0
<b>Subtotal 1B</b>		544		<b>11</b>

<b>Tenant 1C - Yoga Studio</b>				
<b>Lobby</b> (milling around)	Assembly without fixed seats, Unconcentrated (tables & chairs)	170 sf	15	12
<b>Studio</b> (Yoga on mats)	Exercise Room with equipment (see Note #1 below)	630 sf	50	13
<b>Storage</b> (props, cleaning etc)	Accessory storage areas	44 sf	300	1
<b>Bathrooms</b> (single user, not counted because occupants come from others areas already counted)		136 sf		
<b>Subtotal 1C</b>		980 sf		<b>26</b>

<b>Total Occupant Load 1<sup>st</sup> Flr Commercial NFPA</b>				<b>47</b>
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**Note #1:** In exercise rooms with fixed equipment, the occupant load is limited by the number of pieces of equipment, because typically 1 person occupies 1 piece of equipment at a time. In addition, there is typically some space around and between each piece of equipment. Similarly in a Yoga Studio the occupant load is generally limited to the number of yoga mats (piece of equipment) because 1 person occupies 1 mat throughout the session. Similarly there is typically some space around and between each mat. Therefore the occupant load is based on Exercise Room with equipment classification.