CHAPTER 3
OCCUPANCY CLASSIFICATION AND USE

SECTION 301
SCOPE
301.1 General. The provisions of this chapter shall control the classification of all buildings and structures as to occupancy and use. Different classifications of occupancy and use represent varying levels of hazard and risk to building occupants and adjacent properties.

SECTION 302
OCCUPANCY CLASSIFICATION AND USE DESIGNATION
302.1 Occupancy classification. Occupancy classification is the formal designation of the primary purpose of the building, structure or portion thereof. Structures shall be classified into one or more of the occupancy groups listed in this section based on the nature of the hazards and risks to building occupants generally associated with the intended purpose of the building or structure. An area, room or space that is intended to be occupied at different times for different purposes shall comply with all applicable requirements associated with such potential multipurpose. Structures containing multiple occupancy groups shall comply with Section 508. Where a structure is proposed for a purpose that is not specifically listed in this section, such structure shall be classified in the occupancy it most nearly resembles based on the fire safety and relative hazard. Occupied roofs shall be classified in the group that the occupancy most nearly resembles, according to the fire safety and relative hazard, and shall comply with Section 503.1.4.

2. Business (see Section 304): Group B.
3. Educational (see Section 305): Group E.
7. Mercantile (see Section 309): Group M.
8. Residential (see Section 310): Groups R-1, R-2, R-3 and R-4.
9. Storage (see Section 311): Groups S-1, S-2 and S-3.
10. Utility and Miscellaneous (see Section 312): Group U.

302.2 Use designation. Occupancy groups contain subordinate uses having similar hazards and risks to building occupants. Uses include, but are not limited to, those functional designations listed within the occupancy group descriptions in Section 302.1. Certain uses require specific limitations and controls in accordance with the provisions of Chapter 4 and elsewhere in this code.

SECTION 303
ASSEMBLY GROUP A
303.1 Assembly Group A. Assembly Group A occupancy includes, among others, the use of a building or structure, or a portion thereof, for the gathering of persons for purposes such as civic, social or religious functions; recreation, food or drink consumption or awaiting transportation.

303.1.1 Small buildings and tenant spaces. A building or tenant space used for assembly purposes with an occupant load of less than 50 persons shall be classified as a Group B occupancy.

303.1.2 Small assembly spaces. The following rooms and spaces shall not be classified as Assembly occupancies:
1. A room or space used for assembly purposes with an occupant load of less than 50 persons and accessory to another occupancy shall be classified as a Group B occupancy or as part of that occupancy.
2. A room or space used for assembly purposes that is less than 750 square feet (70 m²) in area and accessory to another occupancy shall be classified as a Group B occupancy or as part of that occupancy.

303.1.3 Associated with Group E occupancies. A room or space used for assembly purposes that is associated with a Group E occupancy is not considered a separate occupancy.

303.1.4 Accessory to places of religious worship. Accessory religious educational rooms and religious auditoriums with occupant loads of less than 100 per room or space are not considered separate occupancies.

303.2 Assembly Group A-1. Group A-1 occupancy includes assembly uses, usually with fixed seating, intended for the production and viewing of the performing arts or motion pictures, including, but not limited to:
- Motion picture theaters
- Symphony and concert halls
- Television and radio studios admitting an audience
- Theaters

303.3 Assembly Group A-2. Group A-2 occupancy includes assembly uses intended for food and/or drink consumption, including, but not limited to:
- Banquet halls
- Casinos (gaming areas)
- Nightclubs
- Restaurants, cafeterias and similar dining facilities (including associated commercial kitchens)
- Taverns and bars
303.4 Assembly Group A-3. Group A-3 occupancy includes assembly uses intended for worship, recreation or amusement and other assembly uses not classified elsewhere in Group A including, but not limited to:

- Amusement arcades
- Art galleries
- Bowling alleys
- Community halls
- Courtrooms
- Dance halls (not including food or drink consumption)
- Exhibition halls
- Funeral parlors
- Greenhouses for the conservation and exhibition of plants that provide public access.
- Gymnasiums (without spectator seating)
- Indoor swimming pools (without spectator seating)
- Indoor tennis courts (without spectator seating)
- Lecture halls
- Libraries
- Museums
- Places of religious worship
- Pool and billiard parlors
- Waiting areas in transportation terminals

303.5 Assembly Group A-4. Group A-4 occupancy includes assembly uses intended for viewing of indoor sporting events and activities with spectator seating including, but not limited to:

- Arenas
- Skating rinks
- Swimming pools
- Tennis courts

303.6 Assembly Group A-5. Group A-5 occupancy includes assembly uses intended for participation in or viewing outdoor activities including, but not limited to:

- Amusement park structures
- Bleachers
- Grandstands
- Stadiums

Educational occupancies for students above the 12th grade
Electronic data processing
Food processing establishments and commercial kitchens not associated with restaurants, cafeterias and similar dining facilities not more than 2,500 square feet (232 m²) in area.
Laboratories: testing and research
Motor vehicle showrooms
Post offices
Print shops
Professional services (architects, attorneys, dentists, physicians, engineers, etc.)
Radio and television stations
Telephone exchanges
Training and skill development not in a school or academic program (this shall include, but not be limited to, tutoring centers, martial arts studios, gymnastics and similar uses regardless of the ages served, and where not classified as a Group A occupancy).

304.2 Lockup facilities. Buildings containing lockup facilities, as defined in ORS 169.005(4), shall comply with the following provisions:

1. Areas containing lockup facilities shall be separated from other rooms, spaces or areas by an approved smoke barrier.

2. The smoke control zone in which the lockup cells are located shall be provided with an automatic sprinkler system complying with Chapter 9 requirements for Group I-3 occupancies.

3. The smoke control zone in which the lockup area is located shall be provided with an automatic smoke detection system complying with Chapter 9 requirements for Group I-3 occupancies.

4. The combined occupant load of the holding cells shall not exceed five.

SECTION 305
EDUCATIONAL GROUP E

305.1 Educational Group E. Educational Group E occupancy includes, among others, the use of a building or structure, or a portion thereof, by six or more persons at any one time for educational purposes through the 12th grade.

305.1.1 Accessory to places of religious worship. Religious educational rooms and religious auditoriums, which are accessory to places of religious worship in accordance with Section 303.1.4 and have occupant loads of less than 100 per room or space, shall be classified as Group A-3 occupancies.

305.2 Group E, day care facilities. This group includes buildings and structures or portions thereof occupied by more than five children older than 2 years of age who receive educational, supervision or personal care services for fewer than 24 hours per day.

305.2.1 Within places of religious worship. Rooms and spaces within places of religious worship providing such
day care during religious functions shall be classified as part of the primary occupancy.

**305.2.2 Five or fewer children.** A facility having five or fewer children receiving such day care shall be classified as part of the primary occupancy.

**305.2.3 Five or fewer children in a dwelling unit.** A facility such as the above within a dwelling unit and having five or fewer children receiving such day care shall be classified as a Group R-3 occupancy or shall comply with the Residential Code.

### SECTION 306
**FACTORY GROUP F**

**306.1 Factory Industrial Group F.** Factory Industrial Group F occupancy includes, among others, the use of a building or structure, or a portion thereof, for assembling, disassembling, fabricating, finishing, manufacturing, packaging, repair or processing operations that are not classified as a Group H hazardous or Group S storage occupancy.

**306.2 Moderate-hazard factory industrial, Group F-1.** Factory industrial uses that are not classified as Factory Industrial F-2 Low Hazard shall be classified as F-1 Moderate Hazard and shall include, but not be limited to, the following:

- Aircraft (manufacturing, not to include repair)
- Appliances
- Athletic equipment
- Automobiles and other motor vehicles
- Bakeries
- Beverages: over 16-percent alcohol content
- Bicycles
- Boats
- Brooms or brushes
- Business machines
- Cameras and photo equipment
- Canvas or similar fabric
- Carpets and rugs (includes cleaning)
- Clothing
- Construction and agricultural machinery
- Disinfectants
- Dry cleaning and dyeing
- Electric generation plants
- Electronics
- Engines (including rebuilding)
- Food processing establishments and commercial kitchens not associated with restaurants, cafeterias and similar dining facilities more than 2,500 square feet (232 m²) in area.
- Furniture
- Hemp products
- Jute products
- Laundries
- Leather products
- Machinery
- Metals
- Millwork (sash and door)
- Motion pictures and television filming (without spectators)
- Musical instruments
- Optical goods
- Paper mills or products
- Photographic film
- Plastic products
- Printing or publishing
- Recreational vehicles
- Refuse incineration
- Shoes
- Soaps and detergents
- Textiles
- Tobacco
- Trailers
- Upholstering
- Wood; distillation
- Woodworking (cabinet)

**306.3 Low-hazard factory industrial, Group F-2.** Factory industrial uses that involve the fabrication or manufacturing of noncombustible materials that during finishing, packing or processing do not involve a significant fire hazard shall be classified as F-2 occupancies and shall include, but not be limited to, the following:

- Beverages: up to and including 16-percent alcohol content
- Brick and masonry
- Ceramic products
- Foundries
- Glass products
- Gypsum
- Ice
- Metal products (fabrication and assembly)
- Wood barrel and bottled wine aging facilities in wineries

### SECTION 307
**HIGH-HAZARD GROUP H**

**307.1 High-hazard Group H.** High-hazard Group H occupancy includes, among others, the use of a building or structure, or a portion thereof, that involves the manufacturing, processing, generation or storage of materials that constitute a physical or health hazard in quantities in excess of those allowed in control areas complying with Section 414, based on the maximum allowable quantity limits for control areas set forth in Tables 307.1(1) and 307.1(2). Hazardous occupancies are classified in Groups H-1, H-2, H-3, H-4 and H-5 and shall be in accordance with this section and the requirements of Section 415. Hazardous materials stored, or used on top of roofs or canopies, shall comply with this code.

**307.1.1 Uses other than Group H.** An occupancy that stores, uses or handles hazardous materials as described in one or more of the following items shall not be classified as Group H, but shall be classified as the occupancy that it most nearly resembles.

1. Buildings and structures occupied for the application of flammable finishes, provided that such buildings or areas conform to the requirements of Section 416.
2. Wholesale and retail sales and storage of flammable and combustible liquids in mercantile occupancies conforming to this code.

3. Closed piping system containing flammable or combustible liquids or gases utilized for the operation of machinery or equipment.

4. Cleaning establishments that utilize combustible liquid solvents having a flash point of 140°F (60°C) or higher in closed systems employing equipment listed by an approved testing agency, provided that this occupancy is separated from all other areas of the building by 1-hour fire barriers constructed in accordance with Section 707 or 1-hour horizontal assemblies constructed in accordance with Section 711, or both.

5. Cleaning establishments that utilize a liquid solvent having a flash point at or above 200°F (93°C).


7. Refrigeration systems.

8. The storage or utilization of materials for agricultural purposes on the premises.

9. Stationary storage battery systems installed in accordance with this code and the Mechanical Code.

10. Corrosive personal or household products in their original packaging used in retail display.

11. Commonly used corrosive building materials.

12. Buildings and structures occupied for aerosol product storage shall be classified as Group S-1, provided that such buildings conform to the requirements of this code.

13. Display and storage of nonflammable solid and nonflammable or noncombustible liquid hazardous materials in quantities not exceeding the maximum allowable quantity per control area in Group M or S occupancies complying with Section 414.2.5.

14. The storage of black powder, smokeless propellant and small arms primers in Groups M and R-3 and special industrial explosive devices in Groups B, F, M and S, provided such storage conforms to the quantity limits and requirements prescribed in this code.

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**TABLE 307.1(1)**

**MAXIMUM ALLOWABLE QUANTITY PER CONTROL AREA OF HAZARDOUS MATERIALS POSING A PHYSICAL HAZARD**

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>CLASS</th>
<th>GROUP WHEN THE MAXIMUM ALLOWABLE QUANTITY IS EXCEEDED</th>
<th>STORAGEb</th>
<th>USE-CLOSED SYSTEMSb</th>
<th>USE-OPEN SYSTEMSb</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>H-2</td>
<td>Solid pounds (cubic feet)</td>
<td>Liquid gallons (pounds)</td>
<td>Gas cubic feet at NTP</td>
</tr>
<tr>
<td>Combustible dust</td>
<td>NA</td>
<td>H-2</td>
<td>See Note q</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Combustible fiber</td>
<td>Loose Baled</td>
<td>H-3</td>
<td>(100)</td>
<td>(1,000)</td>
<td>NA</td>
</tr>
<tr>
<td>Combustible liquid</td>
<td>II</td>
<td>IIA</td>
<td>IIIB</td>
<td>H-2 or H-3</td>
<td>H-2 or H-3</td>
</tr>
<tr>
<td>Cryogenic flammable</td>
<td>NA</td>
<td>H-2</td>
<td>NA</td>
<td>45d</td>
<td>NA</td>
</tr>
<tr>
<td>Cryogenic inert</td>
<td>NA</td>
<td>H-3</td>
<td>NA</td>
<td>45d</td>
<td>NA</td>
</tr>
<tr>
<td>Cryogenic oxidizing</td>
<td>NA</td>
<td>H-3</td>
<td>NA</td>
<td>45d</td>
<td>NA</td>
</tr>
<tr>
<td>Explosives</td>
<td>Division 1.1</td>
<td>H-1</td>
<td>1e,g</td>
<td>(1)e,g</td>
<td>120d</td>
</tr>
<tr>
<td>Division 1.2</td>
<td>H-1</td>
<td>1e,g</td>
<td>(1)e,g</td>
<td>120d</td>
<td>330d,e</td>
</tr>
<tr>
<td>Division 1.3</td>
<td>H-1 or H-2</td>
<td>1e,g</td>
<td>(1)e,g</td>
<td>120d</td>
<td>330d,e</td>
</tr>
<tr>
<td>Division 1.4</td>
<td>H-3</td>
<td>50e,f</td>
<td>(50)e,f</td>
<td>125f</td>
<td>(1)f,g</td>
</tr>
<tr>
<td>Division 1.4G</td>
<td>H-3</td>
<td>125f</td>
<td>(1)f,g</td>
<td>50f</td>
<td>NA</td>
</tr>
<tr>
<td>Division 1.5</td>
<td>H-1</td>
<td>1e,g</td>
<td>(1)e,g</td>
<td>120d</td>
<td>330d,e</td>
</tr>
<tr>
<td>Division 1.6</td>
<td>H-1</td>
<td>1e,g</td>
<td>(1)e,g</td>
<td>120d</td>
<td>330d,e</td>
</tr>
<tr>
<td>Flammable gas</td>
<td>Gaseous Liquefied</td>
<td>H-2</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Flammable liquid</td>
<td>IA</td>
<td>IB and IC</td>
<td>H-2 or H-3</td>
<td>30f</td>
<td>120g,e</td>
</tr>
<tr>
<td>Flammable liquid, combination (IA, IB, IC)</td>
<td>NA</td>
<td>H-2 or H-3</td>
<td>NA</td>
<td>120d,e,h</td>
<td>NA</td>
</tr>
</tbody>
</table>

(continued)
### TABLE 307.1(1)—continued

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>CLASS</th>
<th>GROUP WHEN THE MAXIMUM ALLOWABLE QUANTITY IS EXCEEDED</th>
<th>STORAGE&lt;sup&gt;a&lt;/sup&gt;</th>
<th>USE-CLOSED SYSTEMS&lt;sup&gt;b&lt;/sup&gt;</th>
<th>USE-OPEN SYSTEMS&lt;sup&gt;c&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Solid pounds (cubic feet)</td>
<td>Liquid gallons (pounds)</td>
<td>Gas cubic feet at NTP</td>
<td>Liquid gallons (pounds)</td>
</tr>
<tr>
<td>----------</td>
<td>-------</td>
<td>-------------------------</td>
<td>------------------------</td>
<td>----------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>Flammable solid</td>
<td>NA</td>
<td>H-3</td>
<td>125&lt;sup&gt;d&lt;/sup&gt;,&lt;sup&gt;e&lt;/sup&gt;</td>
<td>NA</td>
<td>125&lt;sup&gt;d&lt;/sup&gt;</td>
</tr>
<tr>
<td>Inert gas</td>
<td>Gaseous Liquefied</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
<td>NA</td>
</tr>
<tr>
<td>Organic peroxide</td>
<td>UD</td>
<td>I</td>
<td>1&lt;sup&gt;d&lt;/sup&gt;,&lt;sup&gt;e&lt;/sup&gt;</td>
<td>5&lt;sup&gt;d&lt;/sup&gt;</td>
<td>NA</td>
</tr>
<tr>
<td>Oxidizer</td>
<td>4</td>
<td>3&lt;sup&gt;d&lt;/sup&gt;</td>
<td>10&lt;sup&gt;d&lt;/sup&gt;</td>
<td>250&lt;sup&gt;d&lt;/sup&gt;</td>
<td>4,000&lt;sup&gt;d&lt;/sup&gt;</td>
</tr>
<tr>
<td>Oxidizing gas</td>
<td>Gaseous Liquefied</td>
<td>NA</td>
<td>(150)&lt;sup&gt;d&lt;/sup&gt;</td>
<td>1,500&lt;sup&gt;e&lt;/sup&gt;</td>
<td>NA</td>
</tr>
<tr>
<td>Pyrophoric</td>
<td>NA</td>
<td>H-2</td>
<td>4&lt;sup&gt;d&lt;/sup&gt;,&lt;sup&gt;e&lt;/sup&gt;</td>
<td>(4)&lt;sup&gt;d&lt;/sup&gt;</td>
<td>50&lt;sup&gt;d&lt;/sup&gt;</td>
</tr>
<tr>
<td>Unstable (reactive)</td>
<td>4</td>
<td>H-1</td>
<td>1&lt;sup&gt;d&lt;/sup&gt;,&lt;sup&gt;e&lt;/sup&gt;</td>
<td>(1)&lt;sup&gt;d&lt;/sup&gt;</td>
<td>10&lt;sup&gt;d&lt;/sup&gt;</td>
</tr>
<tr>
<td>Water reactive</td>
<td>3</td>
<td>H-2</td>
<td>5&lt;sup&gt;d&lt;/sup&gt;,&lt;sup&gt;e&lt;/sup&gt;</td>
<td>(5)&lt;sup&gt;d&lt;/sup&gt;</td>
<td>50&lt;sup&gt;d&lt;/sup&gt;</td>
</tr>
</tbody>
</table>

For SI: 1 cubic foot = 0.028 m<sup>3</sup>, 1 pound = 0.454 kg, 1 gallon = 3.785 L.

1. Liquid or gaseous fuel in fuel tanks on vehicles.
2. Liquid or gaseous fuel in fuel tanks on motorized equipment operated in accordance with this code.
4. Liquid fuels in piping systems and fixed appliances regulated by the Mechanical Code.

Where manufactured, generated or used in such a manner that the concentration and conditions create a fire or explosion hazard based on information prepared in accordance with Section 414.1.
15. *Stationary fuel cell power systems* installed in accordance with this code and the *Mechanical Code.*

16. *Capacitor energy storage systems* in accordance with this code.

17. *Group B higher education laboratory* occupancies complying with Section 428.

### 307.2 Hazardous materials. Hazardous materials in any quantity shall conform to the requirements of this code, including Section 414.

#### 307.2.1 Storage of Class 1.4G (Class C, Common) fireworks. A permanent building used for the temporary storage of 1.4G (Class C) fireworks, as authorized by a retail sales permit under ORS 480.127, may be classified as either a Group M, Group S-1 or a detached Group U occupancy, provided:

1. The total amount of 1.4G retail fireworks is less than 5,000 pounds (2268 kg) gross weight; or
2. Where the building is protected by an *approved automatic sprinkler system* and the amount of 1.4G retail fireworks is less than 10,000 pounds (4536 kg) gross weight.

#### 307.3 High-hazard Group H-1. Buildings and structures containing materials that pose a detonation hazard shall be classified as Group H-1. Such materials shall include, but not be limited to, the following:

- Detonable pyrophoric materials
- Explosives:
  - Division 1.1
  - Division 1.2
  - Division 1.3
  - Division 1.4
  - Division 1.5
  - Division 1.6

### 307.4 High-hazard Group H-2. Buildings and structures containing materials that pose a deflagration hazard or a hazard from accelerated burning shall be classified as Group H-2. Such materials shall include, but not be limited to, the following:

- Class I, II or IIIA flammable or combustible liquids that are used or stored in normally open containers or systems, or in closed containers or systems pressurized at more than 15 pounds per square inch gauge (103.4 kPa).

**TABLE 307.1(2)**

<table>
<thead>
<tr>
<th>MATERIAL</th>
<th>STORAGE&lt;sup&gt;b&lt;/sup&gt;</th>
<th>USE-CLOSED SYSTEMS&lt;sup&gt;b&lt;/sup&gt;</th>
<th>USE-OPEN SYSTEMS&lt;sup&gt;b&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Solid pounds&lt;sup&gt;c&lt;/sup&gt;</td>
<td>Liquid gallons (pounds)&lt;sup&gt;c&lt;/sup&gt;</td>
<td>Gas cubic feet at NTP (pounds)&lt;sup&gt;c&lt;/sup&gt;</td>
</tr>
<tr>
<td>Corrosives</td>
<td>5,000</td>
<td>500</td>
<td>Gaseous 810&lt;sup&gt;e&lt;/sup&gt; Liquefied (150)</td>
</tr>
<tr>
<td>Highly Toxic</td>
<td>10</td>
<td>(10)</td>
<td>Gaseous 20&lt;sup&gt;f&lt;/sup&gt; Liquefied (4)&lt;sup&gt;f&lt;/sup&gt;</td>
</tr>
<tr>
<td>Toxic</td>
<td>500</td>
<td>(500)</td>
<td>Gaseous 810&lt;sup&gt;e&lt;/sup&gt; Liquefied (150)&lt;sup&gt;c&lt;/sup&gt;</td>
</tr>
</tbody>
</table>

For SI: 1 cubic foot = 0.028 m³, 1 pound = 0.454 kg, 1 gallon = 3.785 L.

a. For use of control areas, see Section 414.2.
b. The aggregate quantity in use and storage shall not exceed the quantity listed for storage.
c. In retail and wholesale sales occupancies, the quantities of medicines, foodstuffs or consumer products, and cosmetics containing not more than 50 percent by volume of water-miscible liquids and with the remainder of the solutions not being flammable, shall not be limited, provided that such materials are packaged in individual containers not exceeding 1.3 gallons.
d. Maximum allowable quantities shall be increased 100 percent in buildings equipped throughout with an approved automatic sprinkler system in accordance with Section 903.3.1.1. Where Note e also applies, the increase for both notes shall be applied cumulatively.
e. Maximum allowable quantities shall be increased 100 percent where stored in approved storage cabinets, gas cabinets or exhausted enclosures as specified in this code. Where Note d also applies, the increase for both notes shall be applied cumulatively.
f. For storage and display quantities in Group M and storage quantities in Group S occupancies complying with Section 414.2.5, see Tables 414.2.5(1) and 414.2.5(2).
g. Allowed only where stored in approved exhausted gas cabinets or exhausted enclosures as specified in this code.
h. Quantities in parentheses indicate quantity units in parentheses at the head of each column.
i. For gallons of liquids, divide the amount in pounds by 10 in accordance with Section 414.1.5.1.

Organic peroxides, unclassified detonable
Oxidizers, Class 4
Unstable (reactive) materials, Class 3 detonable and Class 4