**HAZARDOUS MATERIALS:**
- Compressed gas cylinders secured (IFC 3003.5)
- Rooms/areas properly labeled (IFC 2703.5)
- Acceptable quantities (IFC 2703.1.1)
- Separation of incompatible materials (IFC 2703.9.8)

**FLAMMABLE/COMBUSTIBLE LIQUIDS:**
- Safety containers if used (IFC 3405.2.4)
- No basement storage unless sprinklered (IFC 3404.3.4.4)
- Adequate ventilation (IFC 3405.3.7.5.1)

**FIRE EXTINGUISHERS:**
- Readily accessible (IFC 906.5)
- Travel distance not exceeded (IFC 906.1.1, 906.3)
- Tested/inspected at least annually (IFC 901.6.1)

**FLAMMABLE/COMBUSTIBLE LIQUIDS:**
- Safety containers if used (IFC 3405.2.4)
- No sources of ignition (IFC 3404.2.4)
- Quantities >10 gals in cabinet (IFC 3404.3.4.4)

**FIRE ALARM & DETECTION SYSTEMS:**
- Coverage is adequate (IFC 903.3.1)
- Controls are readily accessible (IFC 903.3.1)
- System and valves supervised [>20 sprinklers new, ≥ 100 in existing] (IFC 903.4)
- Heads in good condition (IFC 903.3.1)
- Wrench/spare sprinklers present (IFC 903.3.1)
- Tested/inspected at least annually (IFC 901.6.1)
- Riser/pump rooms labeled (IFC 510.1)

**FIRE EXTINGUISHERS:**
- Readily accessible (IFC 906.5)
- Travel distance not exceeded (IFC 906.1.1, 906.3)
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- Heads in good condition (IFC 903.3.1)
- Wrench/spare sprinklers present (IFC 903.3.1)
- Tested/inspected at least annually (IFC 901.6.1)
- Riser/pump rooms labeled (IFC 510.1)

**FIRE ALARM & DETECTION SYSTEMS:**
- Control panel/annunciator panel in normal condition [no trouble or alarm conditions] (IFC 901.6, 901.7)
- Detectors properly installed (IFC 907)
- Tested/inspected at least annually (IFC 907.20)
- Fire alarm system installed where required (IFC 907.2.1, 907.3.1)

**UTILITY/Mechanical/hvac:**
- Shut off valves present on gas appliances (IFC 603.1)
- Approved piping, connections & appliances used (IFC 603.1.2)
- Combustion air supply/venting present (IFC 603.1)
- Adequate clearance between combustibles and appliances (IFC 305.1, 603.5.3)
- Commercial hood ducts/filters are clean (IFC 904.11.6.3)

**RISER/PUMP ROOMS:**
- Labeled (IFC 903.3.1)
- Adequate ventilation (IFC 3405.3.7.5.1)

**MULTIPLE STORY:**
- This checklist is intended as a guide to assist fire inspection personnel in identifying general fire and life safety hazards, other possible code requirements may apply. Please refer to other checklists for information on certain occupancies/topics.
This checklist is intended as a guide to assist fire inspection personnel in identifying general fire and life safety hazards, other possible code requirements may apply. Please refer to other checklists for information on certain occupancies/topics.

MSFC = Minnesota State Fire Code

### COMMON OCCUPANT LOAD FACTORS (MSFC 1004.1.1):

<table>
<thead>
<tr>
<th>Occupancy</th>
<th>Load Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Airport Terminal Concourse</td>
<td>100 sq. ft/person</td>
</tr>
<tr>
<td>Assembly (chairs only)</td>
<td>7 sq. ft/person</td>
</tr>
<tr>
<td>Assembly (tables/chairs)</td>
<td>15 sq. ft/person</td>
</tr>
<tr>
<td>Assembly (standing)</td>
<td>5 sq. ft/person</td>
</tr>
<tr>
<td>Bowling</td>
<td>Allow for 5 persons/</td>
</tr>
<tr>
<td>Exercise Areas</td>
<td>50 sq. ft/person</td>
</tr>
<tr>
<td>Kitchens (commercial)</td>
<td>200 sq. ft/person</td>
</tr>
<tr>
<td>Stages</td>
<td>15 sq. ft/person</td>
</tr>
</tbody>
</table>

### GENERAL OCCUPANCY REQUIREMENTS:

<table>
<thead>
<tr>
<th>EGRESS FEATURE</th>
<th>UNSPRINKLERED:</th>
<th>SPRINKLERED:</th>
<th>REFERENCE SECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Egress Width – Stairs (in./occupant)</td>
<td>0.3</td>
<td>0.2</td>
<td>IFC 1005.1</td>
</tr>
<tr>
<td>Egress Width – Other (in./occupant)</td>
<td>0.2</td>
<td>0.15</td>
<td>IFC 1005.1</td>
</tr>
<tr>
<td>Common Path of Travel – new (ft.)</td>
<td>30/75</td>
<td>30/75</td>
<td>IFC 1025.8</td>
</tr>
<tr>
<td>Common Path of Travel – existing (ft.)</td>
<td>20/75</td>
<td>20/75</td>
<td>IFC 1027.19</td>
</tr>
<tr>
<td>Dead-End Limit – new (ft.)</td>
<td>20</td>
<td>20</td>
<td>IFC 1017.3</td>
</tr>
<tr>
<td>Exit Access Travel Distance (ft.)</td>
<td>200</td>
<td>250</td>
<td>IFC 1016.1 – N; 1027.18 – E</td>
</tr>
<tr>
<td>Corridor Fire-Rating Req. – new (hr.)</td>
<td>1</td>
<td>0</td>
<td>For &gt; 30 occupants. IFC 1017.1</td>
</tr>
<tr>
<td>Corridor Fire-Rating Req. – exist. (hr.)</td>
<td>1</td>
<td>0</td>
<td>For &gt; 30 occupants. IFC 1027.17.1</td>
</tr>
</tbody>
</table>

### ASSEMBLY OCCUPANCY SPECIFIC REQUIREMENTS:

<table>
<thead>
<tr>
<th>EGRESS FEATURE</th>
<th>UNSPRINKLERED:</th>
<th>SPRINKLERED:</th>
<th>REFERENCE SECTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>Minimum Aisle Width – Seats on both sides – level or ramped aisle (in.)</td>
<td>42/36/30</td>
<td>42/36/30</td>
<td>IFC 1025.9.1 (42 serving &gt; 50 seats; 36 serving 14-50 seats; 30 serving ≤ 14 seats)</td>
</tr>
<tr>
<td>Minimum Aisle Width – Seats on one side – level or ramped aisle (in.)</td>
<td>36/30</td>
<td>36/30</td>
<td>IFC 1025.9.1 (36 serving &gt; 14 seats; 30 serving ≤ 14 seats)</td>
</tr>
<tr>
<td>Minimum Aisle Width – Seats on both sides – stair aisle (in.)</td>
<td>48/36</td>
<td>48/36</td>
<td>IFC 1025.9.1 (48 serving &gt; 50 seats; 36 serving ≤ 50 seats)</td>
</tr>
<tr>
<td>Minimum Aisle Width – Seats on one side – stair aisle (in.)</td>
<td>36</td>
<td>36</td>
<td>IFC 1025.9.1</td>
</tr>
</tbody>
</table>

### COMMON OCCUPANT LOAD FACTORS:

- 2nd Exit Required - more than 50 occupants (IFC 1015.1) OR common path of travel exceeds 75 ft. (MSFC 1015.1) OR all stories above 2nd story (IFC 1019.2)
- 3rd Exit Required - 501 to 1,000 occupants (IFC 1019.1)
- 4th Exit required - 1,001 or more occupants (IFC 1019.1)

### FIRE ALARM SYSTEM AND DETECTION REQUIRED

NEW: Assembly occupancies with occupant load of 300 or more (IFC 907.2.1)
EXISTING: Assembly occupancies with occupant load of 300 or more (IFC 907.3.1)

NOTE: Exceptions exist for churches, sprinklered buildings and A portions of E occupancies in new and existing buildings, refer to IFC.

Automatic detection (heat or smoke) is required in boiler rooms, furnace rooms, shops, laundry rooms, mechanical rooms, electrical rooms, trash collection rooms, storage rooms, and similar areas (not required if sprinklered).

### SPRINKLER SYSTEM REQUIRED

New: Fire area exceeds 12,000 sq. feet OR all fire areas located above/below level of exit discharge (IFC 903.2.1) OR windowless stories and basements exceeding 1,500 sq. feet (IFC 903.2.10.1)