

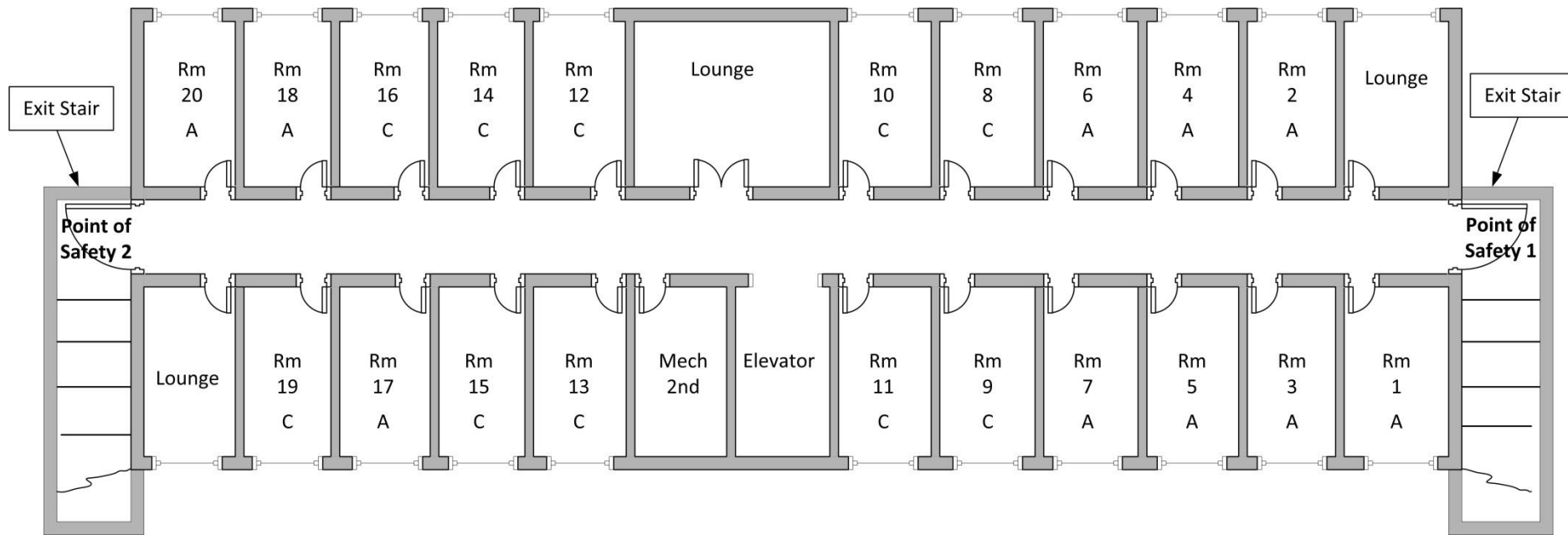


Approved Fire Drill Scenario (O. Reg. 150/13)

- Step 1 – Develop a Scenario Representing Lowest Staffing Level Complement
- Step 2 – Determine Time Available for Closing the Door to the Room of Fire Origin
- Step 3 – Determine Time Available to Evacuate Residents/Patients to Point of Safety
- Step 4 – Conducting and Observing the Fire Drill



Step 1: Developing the Scenario



***2nd Floor: Unsprinklered, Smoke Detectors, 20 minutes labelled doors
Fire in Room 11***



Step 1: Developing the Scenario



Action	Owner Proposal
<p>A.1. Propose a zone/floor area containing resident/patient room that poses the greatest evacuation challenge for staff.</p> <p>A.2. Identify number of residents/patients that will require evacuation to point of safety.</p>	<p>Floor Designation: _____</p> <p>Zone: _____</p> <p>Number: _____</p>

2nd Floor: Unsprinklered, Smoke Detectors, 20 minutes labelled door



Step 1, Cont'd : Developing the scenario



Action	Owner Proposal
B. Propose the point of safety (P.O.S.) to which residents/patients will be evacuated.	<input type="checkbox"/> Outside Building <input type="checkbox"/> Exit Stairwell (<i>30 minutes</i>) <input type="checkbox"/> Adjacent Zone (<i>30 minutes</i>)
C. Propose the resident/patient room that represents the room of fire origin.	Room Designation: _____ Number of occupants: _____
D1. Propose the time of day representing the lowest staffing level complement. D2. Identify number of staff available	Time of day: _____ Number of Staff: _____

2nd Floor: Unsprinklered, Smoke Detectors, 20 minutes labelled doors



Step 2: Determine Time Available for Closing Door



Action	Owner Proposal
<p>A. Estimate the time required for detecting a fire originating in the room using Table C of Appendix C of TG-01-2013.</p> <p>This time is denoted as time A</p>	<p>Fire Detection time (minutes):</p> <p>_____</p>
<p>B. Estimate the time period during which the room is safe to enter. Choose 2.5 minutes for an unsprinklered room or 5 minutes for a sprinklered room.</p> <p>This time is denoted as time B</p>	<p>Time room is safe to enter (minutes): _____</p>
<p>C. Calculate the time available for Closing the Door</p> <p>Time available (C) = B minus A</p> <p>This time is denoted as C</p> <p>Note: This is the time available for staff to:</p> <ul style="list-style-type: none">• Respond to the room of fire origin• Remove/assist occupants from the room• Close the room door	<p>Time available to close the door (minutes): _____</p>

2nd Floor: Unsprinklered, Smoke Detectors, 20 minutes labelled door



Step 2: Determine Time Available for Closing Door

Action	Owner Proposal
A. Estimate the time required for detecting a fire originating in the room using Table C of Appendix C of TG-01-2013.	Fire Detection time (minutes) _____

2nd Floor: Unsprinklered, Smoke Detectors, 20 minutes labelled door

Appendix C – Detection Times

- | | |
|---|--------------------|
| • Smoke alarm/ detector in small room : | 15-30 sec |
| • Smoke alarm/detector in large room: | 15-45 sec |
| • Smoke detector in corridor:
<i>(fire initiating adjacent bedroom with door open)</i> | 30-90 sec |
| • Smoke detector in corridor:
<i>(fire initiating adjacent small bedroom with closed solid-core wood door)</i> | 160-300 sec |
| • 135°F heat detector in small bedroom: | 40-90 sec |
| • 135°F heat detector in med/LG bedroom: | 40-150 sec |
| • 135°F heat detector corridor:
<i>(fire initiating adjacent bedroom with door open)</i> | 120-200 sec |
| • 135°F heat detector corridor:
<i>(fire initiating adjacent small bedroom with closed solid-core wood door)</i> | 120-200 sec |
| • 165°F residential type sprinkler:
<i>(in bedroom of fire origin)</i> | 60-120 sec |
| • Supervisory staff at work station:
<i>(smelling smoke from fire in room with door open to corridor)</i> | 120-360 sec |
| • Supervisory staff at work station:
<i>(smelling smoke from fire in room with closed solid-core wood door)</i> | 120-360 sec |

Step 2: Determine Time Available for Closing Door

Action	Owner Proposal
<p>A. Estimate the time required for detecting a fire originating in the room using Table C of Appendix C of TG-01-2013.</p> <p style="text-align: center;">This time is denoted as time A</p>	<p>Fire Detection time (minutes):</p> <p style="text-align: center;">_____</p>
<p>B. Estimate the time period during which the room is safe to enter. Choose 2.5 minutes for an unsprinklered room or 5 minutes for a sprinklered room.</p> <p style="text-align: center;">This time is denoted as time B</p>	<p>Time room is safe to enter (minutes): _____</p>
<p>C. Calculate the time available for Closing the Door</p> <p style="text-align: center;">Time available (C) = B minus A</p> <p style="text-align: center;">This time is denoted as C</p> <p>Note: This is the time available for staff to:</p> <ul style="list-style-type: none"> • Respond to the room of fire origin • Remove/assist occupants from the room • Close the room door 	<p>Time available to close the door (minutes): _____</p>

2nd Floor: Unsprinklered, Smoke Detectors, 20 minutes labelled door

Step 3: Determine Time Available to Evacuate

Action	Owner Proposal
<p>A. Determine the fire rating (minutes for the door to the room from the following information:</p> <ul style="list-style-type: none"> Wood panel or hollow core door = 5 minutes 45 mm thick wood door = 15 minutes 20 minute labelled door and frame = 20 minutes Hollow core metal door = 30 minutes 45 minute labelled door and frame = 45 minutes 	<p style="text-align: center;">Door Type: _____</p> <p style="text-align: center;">Door Rating (minutes) _____</p>
<p>B. Determine the minimum water supply duration for automatic sprinklers from the following information:</p> <ul style="list-style-type: none"> No sprinklers = 0 minutes Sprinklers designed to NFPA 13D = 10 minutes Sprinklers designed to NFPA 13R = 30 minutes Sprinklers designed to NFPA 13 = 30 minutes Municipal water supply to sprinklers = 60 minutes 	<p style="text-align: center;">Sprinkler system water supply duration (minutes) _____</p>
<p>C. Calculate the time available to evacuate residents to the point of safety</p> <p style="text-align: center;">Time available (C) = A plus B</p> <p style="text-align: center;">This time is denoted as C</p>	<p style="text-align: center;">Time available to evacuate residents to point of safety (minutes) _____</p>

2nd Floor: Unsprinklered, Smoke Detectors, 20 minutes labelled door

Step 3: Determine Time Available to Evacuate

Action	Owner Proposal
<p>A. Determine the fire rating (minutes for the door to the room from the following information:</p> <ul style="list-style-type: none"> Wood panel or hollow core door = 5 minutes 45 mm thick wood door = 15 minutes 20 minute labelled door and frame = 20 minutes Hollow core metal door = 30 minutes 45 minute labelled door and frame = 45 minutes 	<p style="text-align: center;">Door Type: _____</p> <p style="text-align: center;">Door Rating (minutes) _____</p>
<p>B. Determine the minimum water supply duration for automatic sprinklers from the following information:</p> <ul style="list-style-type: none"> No sprinklers = 0 minutes Sprinklers designed to NFPA 13D = 10 minutes Sprinklers designed to NFPA 13R = 30 minutes Sprinklers designed to NFPA 13 = 30 minutes Municipal water supply to sprinklers = 60 minutes 	<p style="text-align: center;">Sprinkler system water supply duration (minutes) _____</p>
<p>C. Calculate the time available to evacuate residents to the point of safety</p> <p style="text-align: center;">Time available (C) = A plus B</p> <p style="text-align: center;">This time is denoted as C</p>	<p style="text-align: center;">Time available to evacuate residents to point of safety (minutes) _____</p>

2nd Floor: Unsprinklered, Smoke Detectors, 20 minutes labelled door

Step 4: Conducting and observing the fire drill

- Time available for actions 1 and 2 in the table below should be entered prior to the fire drill
- Staff should be located at their normal place of work at start of drill
- Fire alarm should be triggered by activating the fire alarm system
- Time required should be entered at the conclusion of the drill

Action	Time available	Time required
1. Closing door to room of fire origin	Enter value C from Step 2 : _____ (minutes)	Enter time taken during drill: _____ (minutes)
2. Evacuation to point of safety	Enter value C from Step 3 : _____ (minutes)	Enter time taken during drill: _____ (minutes)

2nd Floor: Unsprinklered, Smoke Detectors, 20 minutes labelled door



Thank you