CMM
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Fire and evacuation routines at CMM

This document explains the current fire and evacuation routines used in the CMM L8-building. The routines apply to all employees and students who have their workplace within the building.

Introduction

Everyone concerned by this document shall participate in an introductory session where the fire safety and evacuation procedure at the workplace is presented. The introduction shall provide an understanding of fire safety and the ability to act according to current instructions and routines if the building's fire and evacuation alarm is activated.

The responsibility to ensure that the fire safety and evacuation procedure at the workplace is presented and documented on a continuous basis lies with the staff members' or the students' closest manager.

The building has three fire safety coordinators.

The fire safety design of CMM

Fire and evacuation alarm



The building is equipped with an automatic fire- and evacuation alarm. The purpose of the fire alarm is to identify if a fire or smoke has occurred within the building. The fire alarm activates the automatic evacuation alarm to warn people within the building that a fire has occurred and that evacuation of the building shall start. The evacuation alarm can also be manually activated by alarm buttons, see top figure to the right.



The evacuation alarm consists of sirens and beacons that flashes until the alarm has been reset.

Both security guards and the fire brigade are called to the main entrance of the building (Anna Steckséns street) when the fire alarm is activated.

Automatic water suppression system

The building is equipped with an automatic water suppression system, which will either extinguish or limit a fire. The sprinkler system will activate by heat (>68°C). Therefore, the system will normally activate after the fire- and evacuation alarm has been activated.



It is of great importance that no sprinkler heads are blocked. Therefore, a distance of at least 0,5 m under the hight of the sprinkler heads shall be held clear from storage and furnishings.

Fire compartments

The building is divided into fire compartments to limit the spread of both fire and smoke within the building. It is of great importance that doors within a fire compartment are closed to limit fire spread outside the fire compartment. Therefore, no doors shall be held open by a wedge or similar item.

As shown in figure 1; the two stairwells, shafts, garbage rooms, ancillary rooms and each floor are designed as individual fire compartments.

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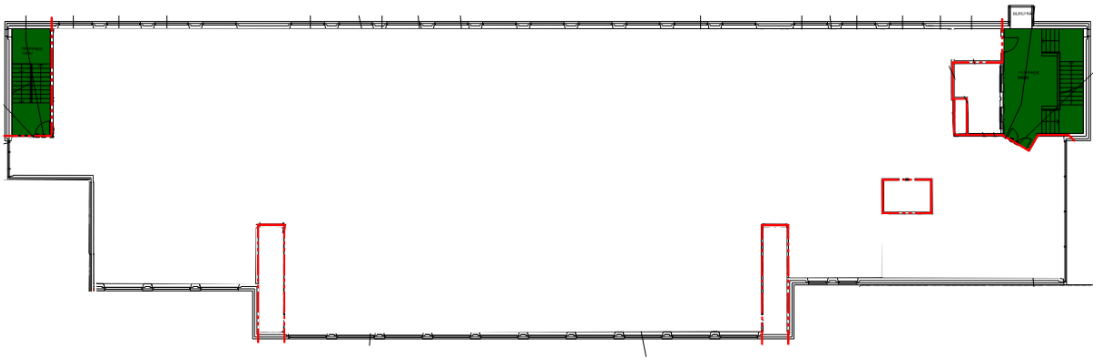


Figure 1. Read lines show an example of the fire compartmentation.

Manual fire extinguishers

The building is equipped with manual fire extinguishers and fire blankets. The location of these is shown on the evacuation plans on each floor.

Means of egress

The evacuation strategy of each floor is presented on the evacuation plans which can be found on each floor. The building is also equipped with exit signage to help people find the way out from the building.

In case of an evacuation, everybody shall gather at the assembly point located in front of building M1 (Gustaf V:s forskningsinstitut).

Means of egress for people requiring assistance

Specific routines for permanent staff requiring assistance in case of evacuation shall be put in place by their closest manager and CMM. The host is responsible for assigning two evacuation assistants for any visitors requiring assistance in case of evacuation and meetings should be restricted to floor 0 for these visitors.

Routines in case of activated fire and evacuation alarm

If the fire and evacuation alarm is activated everybody shall gather at the closest evacuation station. An evacuation station can be found on each floor within the building. The following can be found at this location:

- Fire Warden vest (yellow)
- Fire Warden instruction card with search areas
- Flashlight

In case of an activated fire alarm the following measures shall be taken:

- All staff and students shall gather at the evacuation station located on each floor.
- The first persons to arrive at the station shall be appointed ‘Fire Wardens’ and put on a yellow vest.
- The Fire Wardens are responsible for going through the premises and instructing colleagues to evacuate to the assembly point, and investigate if there is a fire in the premises before they leave the building.
- All remaining persons shall evacuate to the assembly point.
- The Fire Wardens shall report to the fire safety coordinator (red vest) at the assembly point and report if anyone is left in the building and if a fire was noticed within the premisses.
- The fire safety coordinator (red vest) shall announce when it is possible to return to the building.

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The following measures shall be conducted if a fire is confirmed within the building:

- **Rescue and warn** – Evacuate and warn others close to the fire
- **Alert** – Push an alarm button and call 112
- **Extinguish** – Try, if possible, to put out the fire with a fire extinguisher or other fire tool or close the door to the room where the fire occurs. Note that you are your own risk manager and should never expose yourself to danger.

Specific risks within CMM

Chemicals

Different chemicals are handled and stored within the building's laboratory and chemical supplies. Some of these chemicals may develop hazardous characteristics when put in contact with fire (e.g. explosion, release of hazardous substances, rapidly increase the fire etc.). Before trying to extinguish these types of fires, it is important to quickly evaluate the following:

- Are any of the chemicals exposed to fire unknown to you?
- If all chemicals are known, do anyone of them acquire any hazardous characteristics when put in contact with fire?
- Are gas tanks involved or located near the fire?
- Is the room filled with smoke?
- Is the fire spreading fast and growing rapidly in size?

If the answer is YES to any of the questions above – do not try to extinguish the fire. Instead, close the door to the room, evacuate to the assembly point and inform one of the Fire Wardens about the fire and its risks. Always remember that you are responsible to make your own risk assessment of the situation and not expose yourself to unnecessary risks. This also applies if the answer would be NO on all questions listed above.

Handling of gases

Separate gas tanks that may be affected by the fire and are not stored in a fire safety cabinet suitable for gas, shall be moved to a safe place if possible. Remember to not expose yourself to any unnecessary risks.