

Building Emergency Response Plan

Civil & Mechanical Engineering Labs (Rusty Hut including HHL & EERF)

2275 East Mall, Vancouver, V6T 1Z4

July 2023

To comply with the Freedom of Information and Protection of Privacy Act (FIPPA), the information within this document should only be retained as long as required, should only be used for the authorized purpose it was collected for, and access should be restricted to a need only basis (i.e. only those staff and faculty of a particular building that the Building Emergency Response Plan was developed for should have access to it).



THE UNIVERSITY OF BRITISH COLUMBIA



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UBC Emergency Contacts

Call 9-1-1

POLICE | FIRE | AMBULANCE | HAZARDOUS SPILL

RCMP Non-Emergency: 604-224-1322

Important: When calling 9-1-1, please provide the address of the building you are in or closest to.

For information during a campus emergency, visit www.ubc.ca

BUILDING NAME: Civil & Mechanical Engineering Building

BUILDING ADDRESS: 6250 Applied Science Lane, Vancouver, V6T 1Z4

CAMPUS SECURITY

UBC Campus Security.....604-822-2222

AMS SafeWalk.....604-822-5355

FIRST AID

Medical Emergencies..... 9-1-1, then call First Aid

UBC Faculty, Staff, and Student-staff.....604-822-4444

UBC Students and Visitors..... 604-822-2222

Closest defibrillator.....CEME lobby – 6250 Applied Science Lane

SAFETY

Safety & Risk Services (SRS).....604-822-2029

Biological & Radiation Safety.....604-822-4353

Chemical Safety604-827-3409

Emergency Management604-822-1237

UBC Equity & Inclusion.....604-822-6353

UBC Counselling Services.....604-822-3811

UBC Student Health604-822-7011

AMS Sexual Assault Support Centre.....604-827-5180

Sexual Violence Prevention & Response (SVPRO).....604-822-1588

Report an Accident or Incident.....www.cairs.ubc.ca

FOR MORE INFORMATION

Safety & Risk Services
srs.ubc.ca

604-822-2029

Download the
UBC Safe Vancouver App



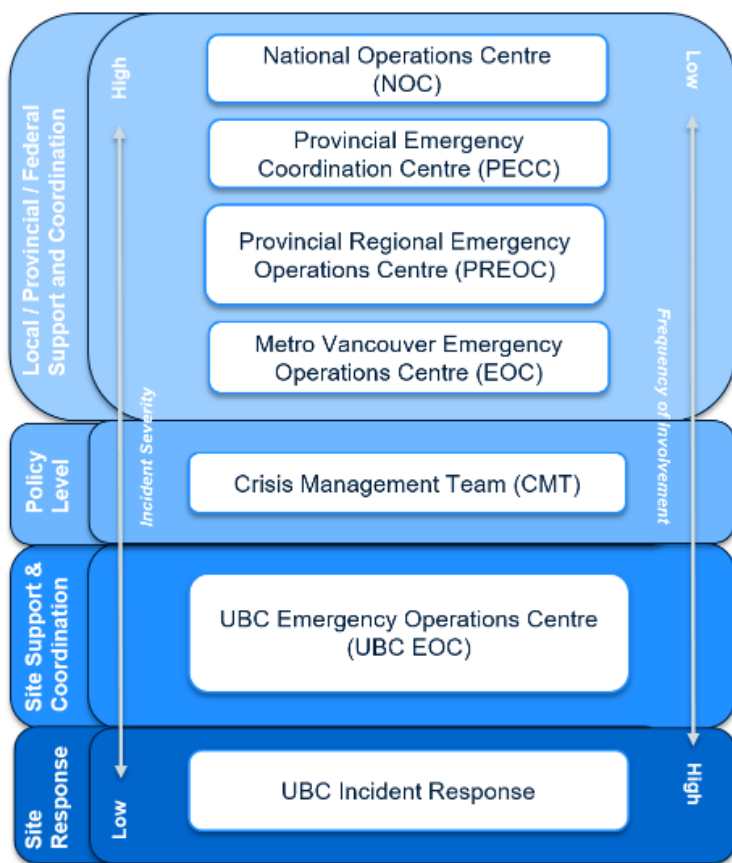
srs.ubc.ca/ubcsafe





1.0 Emergency Response Plan and Alerts

The Emergency Response Plan (ERP) provides the University of British Columbia Vancouver (UBC-V) campus with a management framework to prepare, respond and recover from emergencies affecting the entire UBC-V community. The ERP incorporates as its foundation for response, the British Columbia Emergency Management System (BCEMS) as seen in Figure 1.



UBC Vancouver's emergency response structure is divided into three levels—Site Response, and Site Support and Coordination, and Policy Level (governance and oversight). During any incident, communication flows both up and down the structure.

To respond to an emergency at the site level, Building Emergency Directors, Building Floor Wardens, Safety & Risk Services, First Responders and other resources work together. The Building Emergency Response Plan (BERP) details site response procedures for various emergencies.

Figure 1: BC Emergency Management System Response Structure

How to receive UBC Alerts

1. UBC Alert

Update your contact information on [Workday](#) (for staff and faculty) or the [Student Service Centre](#) (for students) to ensure you receive the latest information in urgent situations through UBC Alert

2. UBC Safe Vancouver App

Download the UBC Safe Vancouver App for direct access to campus safety resources and ***turn on push notifications to receive timely alerts and notifications.***

3. Monitor www.ubc.ca for information and updates



2.0 Objectives

The objectives of the Building Emergency Response Plan (BERP) are:

1. To ensure the safety of the building occupants through:

Fire Prevention

To reduce and prevent the incidence of fire by controlling fire hazards in the building and by maintaining the building facilities (see pages 10-11 “Responsibilities” for both the Building Emergency Director and the Building Floor Warden responsibilities);

And,

Emergency Evacuation

To establish a systematic method of safe and orderly evacuation of an area or building, in case of fire, bomb threat, earthquake, explosions, fires, gas leaks, or release of hazardous materials

2. To provide procedures for responding to and reporting an emergency.

3. To assist with recruiting and training of Building Emergency Directors and Building Floor Wardens.

The Building Emergency Response Plan has been designed and produced for distribution to all building occupants.

A priority in any emergency situation is to:

- 1) Save lives
- 2) Minimize injuries
- 3) Reduce Damage to Property



3.0 Responsibilities

3.1 Building Emergency Director

The Building Emergency Director is responsible for:

- Updating the BERP annually or whenever there is a significant change in the building (eg. renovation)
- Liaising with the Fire Chief to provide a summary of the evacuation and any other relevant information
- Collaborating with building floor wardens to ensure they are adequately trained to lead a safe building evacuation
- Organizing annual building fire drills
- Ensuring each floor has enough floor wardens to properly evacuate the building and that they are adequately trained to perform their duties in fire prevention and emergency evacuation of the building.
 - Having one (1) alternate for each position (Building Emergency Director and Building Floor Wardens) is required; however, having two (2) alternate is recommended.
 - All Building Emergency Directors and Building Floor Wardens should take the Floor Warden Training course available through Safety & Risk Services via www.srs.ubc.ca or request a building specific in person floor warden training from SRS (604 822 6513).
- Ensuring any deficiencies that floor wardens notify you of are rectified. The following resources are available to help rectify the deficiencies:
 - Local Safety Team
 - Joint Occupational Health and Safety Committee
 - Building Operations Service Centre (604-822-2173)
 - Safety & Risk Services
- Maintaining proper records of:
 - Current Building Floor Wardens
 - Evacuation times of fire drills,
 - Fire and emergency incidents in the building
 - Fire prevention activities
 - A list of regular building occupants with impairments.



3.0 Responsibilities

3.2 Building Floor Wardens

Building Floor Wardens are responsible for:

- Being familiar with their assigned areas to ensure a safe and orderly evacuation.
 - This includes knowing the location of pull stations, fire extinguishers, evacuation routes and predesignated meeting areas in real life rather than just on a map
- Knowing the civic address of a building (e.g. 2275 East Mall) before making call to 911
- Leading the evacuation of building occupants within their designated area.
 - They are responsible for recording the names and locations of areas of concern. (e.g. locked doors, missed areas, people who are unable or refuse to evacuate)
 - These concerns must be reported directly to the Building Emergency Director. The Building Emergency director reports all information to the Fire Chief.
 - If the Building Emergency Director is unavailable, the Building Floor Wardens shall their report to the Fire Chief or any member of the Fire Department.
- Conducting informal inspections focused on fire safety and check floor or area regularly for:
 - Accumulation of combustible or flammable materials and rubbish
 - Dangerous ignition sources (e.g. worn extension cords, oily rags, overheating equipment).
 - Hazardous equipment such as portable heaters must never be left unattended.
 - Ensure heat emitting equipment is not next to cardboard boxes, paper, or any combustible materials.
 - Exit signs in good order and adequate lighting in public corridors and stairwells.
 - Fire and exit doors and their self-closing hardware in good operating condition (Doors should not be wedged open under any conditions).
 - Exit routes (means of egress) are unobstructed.
 - Fire hose and portable fire extinguishers are not obstructed, in good order and ready to use.
 - Emergency Response Key Plans are correct.
- Notifying the building emergency director for any deficiencies found. The following resources are available to help rectify the deficiencies:
 - Local Safety Team
 - Joint Occupational Health and Safety Committee
 - Building Operations Service Centre (604-822-2173)
 - Safety & Risk Services

Note: Full inspection and maintenance of the fire safety equipment is the responsibility of UBC Building Operations. However, if any Building Floor Warden or Building Occupant notices fire safety equipment in need of repair, they must notify the Building Emergency Director, who will contact Building Operations Service Centre at 604 822 2173.



3.0 Responsibilities

3.3 Building Occupants

Building Occupants are responsible for:

- Being familiar with the contents of the Building Emergency Response Plan and Emergency Procedure Key Plans (e.g. evacuation routes)
- Following instructions of Building Floor Wardens and/or the Building Emergency Director
- Staying clear of the building during an evacuation to provide clear access for emergency vehicles
- Faculty (including instructors) and staff are expected to assist floor wardens by providing clear direction to students inside and outside of the building during an evacuation.
- Building Occupants should be familiar with the exact location of the building which includes:
 - The civic address (e.g. 2275 East Mall)
 - The building name
 - Any other information including notable landmarks and cross streets

Note: Full inspection and maintenance of the fire safety equipment is the responsibility of UBC Building Operations. However, if any Building Floor Warden or Building Occupant notices fire safety equipment in need of repair, they must notify the Building Emergency Director, who will contact Building Operations Service Centre at 604 822 2173.



4.0 Life Safety Systems and Building Features

Building Name: **Civil & Mechanical Engineering Labs (Rusty Hut including HHL and EERF)**

Building Address: **2275 East Mall, 2275 East Mall, Vancouver, BC, V6T 1Z4**

Life Safety Systems in the building consist of the following:

Click on check box to indicate that the Life Safety System is present in the building

Note: You may contact your [Facility Manager](#) to assist in determining what's present

- ☐ Automated External Defibrillators (AEDs)
- ☒ Emergency exits
- ☒ Emergency lighting
- ☐ Emergency power
- ☒ Fire alarm pull station
- ☒ Fire extinguisher(s)
- ☒ Fire hose cabinets & standpipes
- ☐ Fire hydrant(s)
- ☐ Fire pump
- ☐ Sprinkler system
- ☐ Area(s) of Refuge

4.1 Automated External Defibrillators (if applicable)

Closest Location: First floor CEME lobby, next to the elevator – 6250 Applied Science Lane.

Automated External Defibrillators (AEDs) provide quick response in the event of a cardiac arrest and can increase the chance of saving someone's life.

An AED is a portable unit that provides a life-saving shock to a person in sudden cardiac arrest. Sudden cardiac arrest is when the heart unexpectedly and abruptly stops beating. This is usually caused by an abnormal heart rhythm called ventricular fibrillation.

Once applied, the AED analyzes a patient's heart activity and determines if a life-saving shock is required. The AED cannot deliver a shock unless the person is in cardiac arrest.

AEDs are now available at a number of publicly accessible buildings across UBC's Vancouver campus (if there is no AED in your building, visit the [UBC Vancouver AED Map](#) to find the nearest AED to you). If the location of the AED is not indicated on your Building's Emergency Key Plans, use the contact information provided in **Appendix 1: Emergency Response Key Plans** to obtain an updated EKP that lists this information.

The portable AED devices are located in a white cabinet and have an AED sign above the unit. In the event of an emergency, when a defibrillator is required, 9-1-1 dispatchers can also provide direction to the nearest AED.



4.0 Life Safety Systems and Building Features

4.1 Emergency Exits

Emergency exits are located throughout the building and marked by lighted signs and placards. Maintenance of lighted emergency exit signs is handled by UBC Building Operations. Refer to **Appendix 1: Emergency Response Key Plans** to find out how to obtain EKP for your building.

4.2 Emergency Lighting (if applicable)

In the event of a power failure, emergency lighting may be available to cover all common corridors, stairwells and exit signage. Maintenance of emergency lights is handled by UBC Building Operations.

4.3 Emergency Power (not applicable)

A power generator is not available in this building. However, emergency lighting and exit signage will be illuminated in the event of an emergency.

4.4 Fire Alarm System

Fire alarm pull stations and smoke detectors are located throughout the building. Fire alarm system is monitored by Vancouver Fire & Rescue Services through the 911 dispatch Centre (E-Comm). Fire alarm system maintenance is handled by UBC Building Operations. The locations of fire alarm pull stations are indicated on **Appendix 1: Emergency Response Key Plans**.

4.5 Fire Extinguisher(s)

Portable fire extinguishers placed strategically (i.e. visible and accessible) throughout the building. Refer to **Appendix 1: Emergency Response Key Plans** for locations of portable fire extinguishers.

4.5 Fire Hydrant(s)

Refer to **Appendix 2: Building Site Plan** for locations of fire hydrants located near the building.

4.6 Fire Pump (not applicable)

A fire pump is not installed in this building.

4.7 Sprinkler System (not applicable)

A sprinkler system is not installed in this building.



5.0 Life Safety Systems and Building Features

5.1 Area of Refuge (not applicable)

The CEME laboratories (Rusty Hut, HHL and EERF) do not have Areas of Refuge.

Area(s) of Refuge are predesignated locations in a building to hold occupants during a fire and/or other emergency or when evacuation may not be safe or possible. Area(s) of Refuge must: not be moved, remain in place, and never block any Means of Egress.

It is not standard for new buildings to have Area(s) of Refuge. In these buildings, occupants who require assistance must be placed in a safe location that is away from the hazard. The location of these occupants must be reported to the Emergency Responders (Fire Department) through the Building Emergency Directory and/or Building Floor Wardens *immediately*.



6.0 Contacts: Building Emergency Directors and Building Floor Wardens

The pre-determined meeting location for Building Emergency Directors and Building Floor Wardens is: East side of the Rusty Hut building (West side of East Mall) by the Health Sciences Parkade.

The Predesignated Meeting Area for Building Occupants is: Southwest corner of Hospital Lane and East Mall.

(this location should be away from the entrance to the building and allow for attending emergency vehicles to easily access the space)

Rusty Hut/EERF/HHL - Building Emergency Directors

Activities: Corresponds with Fire Dept, liaises with other Co-Directors and Floor Wardens

Position	Name	Activities:	Office	Phone	Email
Co-Director Rusty Hut	Scott Jackson <i>Civil</i>	Co-Director - Corresponds with Fire Dept, liaises with other Co-Directors and Floor Wardens	RH 124	604-822-4143 604-655-4911	scottj@civil.ubc.ca
Co-Director Rusty Hut	Doug Hudniuk <i>Civil</i>	Floor Wardens - Emergency Fire Duties, check assigned areas in emergency/fire drill, report to Co-Directors	RH 146	604-822-4414	dhudniuk@civil.ubc.ca

RHUT including EERF & HHL - Building Floor Wardens

CIVIL WEST

Section	Name	Position	Assigned areas / rooms:	Office	Phone	Email
A	Scott Jackson	Floor Warden	Electronic shops & grad. Geotech including rooms 124, 125, 130, 131, 132, 133, 134,	RH 124	822-4143	scottj@civil.ubc.ca



	Simon Lee	Alternate Floor Warden	135, 136A,136,137, North Entrance Door P	RH 125	822-4143	slee@civil.ubc.ca
CIVIL RUSTY HUT WORKSHOPS						
Section	Name	Position	Assigned areas / rooms:	Office	Phone	Email
B	Doug Hudniuk	Floor Warden	Civil machine shop including 140, 141, 142, 143, 144, 145,146	RH 146	822-4414	dhudniuk@civil.ubc.ca
	James Pearce	Alternate Floor Warden		RH 146	822-4414	jamesp05@mail.ubc.ca
NORTH EAST SECTOR						
Section	Name	Position	Assigned areas / rooms:	Office	Phone	Email
C	Doug Hudniuk	Floor Warden	Structures Lab including SL100 and offices 127, 129 and 129A	RH 146	822-4414	dhudniuk@civil.ubc.ca
	June Song	Alternate Floor Warden		RH 146	822-4414	jun@civil.ubc.ca
RUSTY HUT SOUTH EAST HYDRAULICS						
Section	Name	Position	Assigned areas / rooms:	Office	Phone	Email
D	Simon Lee	Floor Warden	Hydraulics & EFM lab including rooms 138, 139, 147, 148, 149, Doors H & J (red roll up door), Doors K,L & M (blue roll up door)	RH 146	822-4143	slee@civil.ubc.ca
	Shota Inoda	Alternate Floor Warden		RH124	822-4414	shota@civil.ubc.ca
MECH WING						
Section	Name	Position	Assigned areas / rooms:	Office	Phone	Email
E	Mrinmoy Chakraborty	Floor Warden	101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 118, 119, 123, Men’s Restroom, Ladies’ Restroom 120A, 120B, 120E, 120F, 120G, 120H, 120J, 120K, 120, 121A, 121, 122A, 122B, 122, 123G, West Entrance Doors O & N	RH102		mmrinmoy@mail.ubc.com
	Anand Kumar	Floor Warden		RH122		anand.kumar@ubc.ca
	Hamed Nikookar	Alternate Floor Warden		RH122		hamed.nikookar@ubc.ca
	Davi de Ferreyro Monitcelli	Alternate Floor Warden		RH102		dmonticelli@eoas.ubc.ca
EERF FACILITY						
Section	Name	Position	Assigned areas / rooms:	Office	Phone	Email
K	Mehrtash Motamedi	Floor Warden	All of EERF Facility	ERF 203	822-6203	mmotamedi@civil.ubc.ca
	Doug Hudniuk	Alternate Floor Warden	Pump room, basement offices 201 control room, 301, 302 conference room	RH 146	822-4414	dhudniuk@civil.ubc.ca



7.0 Persons Requiring Assistance

To identify if there are personnel in the building that require assistance

1. The Building Emergency Director distributes the [Qualtrics Survey](#) to all UBC occupants in the building to gather information on persons requiring assistance.
 - Information collected in this survey will be received by the Safety Program Advisor in Safety & Risk Services.
2. This information will be shared with the Building Emergency Director and Floor Warden who will then work with those personnel who have self-identified themselves as requiring assistance to develop a personal evacuation plan.
 - Relevant health or special needs information will be collected at this time.

In any case, when a Building Occupant is left in the building during an emergency evacuation the Building Floor Warden, the Building Emergency Director, and then the Fire Department need to be immediately notified.

Providing assistance is entirely voluntary and can be performed to varying degrees. Predetermined persons providing assistance can be anyone in the office or building such as a co-worker, friend, building staff, supervisor, Building Floor Warden, etc. Whether one person or multiple people are required to provide assistance, alternate people should be identified and this information should be recorded in the Personal Evacuation Plan.

Refer to **Appendix 3: Persons Requiring Assistance** and **Appendix 4: Personal Evacuation Plan** for full details.



8.0 Occupational First Aid

Campus Security responds to all First Aid calls for students, faculty, staff, and visitors on the UBC Vancouver Point Grey campus. Patrol officers are Occupational First Aid Level 2 (OFA2) certified and will respond and provide initial care and implement any critical interventions up to the scope of their training until paramedics arrive on scene.

Campus Security provides emergency support, first aid response, and helps to guide emergency responders (fire, ambulance, police) to the right place on campus quickly.

- For students and visitors, please dial 604-822-2222
- For faculty, staff, and student-staff, please dial 604-822-4444
- **In the event of a medical emergency, first call 9-1-1 and then call Campus Security for First Aid.**



9.0 Emergency Procedures – Building Fire

9.1 Building Emergency Directors and Floor Wardens – Instructions

1. If not activated, activate the closest fire pull alarm immediately.
2. If immediately accessible, put on your safety vest.
3. Building Emergency Directors: Ensure floor wardens proceed through their areas advising occupants to evacuate the building.

Floor Wardens: Direct all personnel within your area to the nearest safe exit.

- Urge people to stay calm and evacuate in a quick and orderly manner. WALK, DO NOT RUN
 - Knock on closed and/or locked doors, state the nature of the emergency and proceed without delay to sweep through area. Ensure you evacuate with your assigned personnel and report any rooms/areas that were locked or inaccessible.
 - If it is safe to do so, close (do not lock) windows and doors on your way out. This will help to prevent oxygen from feeding the fire, provide containment, and slow the spread of the fire.
 - Use the stairway to evacuate; DO NOT use the elevator(s)
 - If possible, assist occupants that are unable to evacuate using the stairs. Individuals requiring assistance are required to have a personal evacuation plan. Refer to **Appendix 3: Persons Requiring Assistance** and **Appendix 4: Personal Evacuation Plan**. Alternatively, individuals having difficulty can be directed to an area of refuge or a safe location inside the building, [Click here to enter text.](#) Building Floor Wardens and Building Emergency Directors must relay the location of these occupants to the Fire Department.
4. Direct evacuated occupants to the Predesignated Meeting Area upon exiting the building. The building's Predesignated Meeting Area is: on the east side of East Mall by the Health Sciences Parkade.
 5. Call 911:
 - a) State your name.
 - b) Provide the address and the nearest intersection. The address of your building is: 2275 East Mall, Vancouver, BC V6T 1Z4.
 - c) Provide the following information about the fire:
 - **WHERE:** Floor number, room number
 - **WHEN:** Approximate time fire started
 - **WHAT:** What caused the fire, is it spreading, are people injured or requiring urgent assistance
 - **OTHER INFORMATION:** Hazardous materials, potential access issues etc.
 6. Proceed to pre-determined meeting location for Building Emergency Directors and Building Floor Wardens located: Southwest corner of Hospital Lane and East Mall.
 7. Ensure all evacuation information from Building Floor Wardens is reported to the Building Emergency Director and that information is relayed over to First Responders when they arrive.



8. Stay on the scene until the Fire Department arrives. Once evacuated, DO NOT ALLOW ANYONE TO RE-ENTER THE BUILDING until the Fire Department gives permission to do so. Door monitors are to be posted as shown on the “Area of Floor Warden Responsibility Map” on page 15.



9.0 Emergency Procedures – Building Fire

9.2 Building Occupants – Instructions

1. If it is not already activated, activate the closest fire pull alarm immediately.
2. Follow instructions of Building Floor Wardens during evacuation.
3. Leave the immediate area, alert others, and move everyone away from the area of the fire.
 - If it is safe to do so, close (do not lock) windows and doors on your way out. This will help to prevent oxygen from feeding the fire, provide containment, and slow the advancement of the fire.
 - Stay calm and evacuate in a quick and orderly manner; WALK, DO NOT RUN
 - Use the stairway to evacuate; DO NOT use the elevator(s).
 - If possible, assist occupants that are unable to evacuate using the stairs. Refer to **Appendix 3: Persons Requiring Assistance** and **Appendix 4: Personal Evacuation Plan**. Alternatively, individuals having difficulty can be directed to an area of refuge or a safe location inside the building, Building Floor Wardens and Building Emergency Directors must relay the location of these occupants to the Fire Department.
4. Proceed directly to the Predesignated Meeting Area upon exiting the building, and wait for further instructions from the Building Emergency Director. The building Predesignated Meeting Area is: on the east side of East Mall by the Health Sciences Parkade.
5. Call 911:
 1. State your name
 2. Provide the address and the nearest intersection. The address of your building is: 2275 East Mall, Vancouver, BC V6T 1Z4.
 3. Provide the following information about the fire:
 - **WHERE:** Floor number, room number
 - **WHEN:** Approximate time fire started
 - **WHAT:** What caused the fire, is it spreading, are people injured or requiring urgent assistance
 - **OTHER INFORMATION:** Hazardous materials, potential access issues etc.
6. Once evacuated, DO NOT RE-ENTER THE BUILDING until the Fire Department gives permission to do so.



10.0 Emergency Procedures – Power Outage

10.1 Building Emergency Directors, Floor Wardens and Building Occupants – Instructions

1. If a power outage has occurred, review the following considerations before exiting the building:
 - Emergency lighting: Does it exist? If it does, it may be battery powered and may last 30 minutes or less. Lights may slowly dim and turn off making egress difficult.
 - Emergency Power Generator: Some buildings are equipped with this feature. Contact your zone facility manager to find out if your building has a generator.
 - Weather and time of day: Extreme weather conditions (e.g freezing temperatures), day/night, start/end of work day.
 - Active equipment or research activities: Assess safety implications of leaving equipment and/or processes unattended. What could happen when the power goes out? (e.g. Fumehoods) What happens when power returns?
 - Review your email for communications received relating to the power outage and/or contact your zone's [Facility Manager](#). They may have information on when the power may be restored.
2. If evacuation is determined necessary, use the stairway to evacuate; DO NOT use the elevator(s). WALK, DO NOT RUN.
3. Proceed directly to the Predesignated Meeting Area
4. Once power has been restored to your facility, occupants should wait 5 minutes before re-entering the building to confirm power stability.

Types of Outages and Notifications

- Area within a Building Outage (i.e. room or floor)
 - No notification sent by UBC Facilities to anyone on campus.
- Single/Multiple Building Outage
 - Facilities Managers (FMs) notified. UBC Service Centre notified. Department heads and team leaders can contact FMs directly for updates.

If you require information about the power outage or need to notify Building Operations Service Centre about an outage, call 604 822 2173.

- a) State your name
- b) Provide the building name of where the power outage is located and the nearest intersection.
- c) Provide information about the power outage:
 - **WHERE:** floor number, room number
 - **WHEN:** When the power was lost? How long has emergency lighting been activated?
 - **OTHER INFORMATION:** Provide any notable safety concerns associated with the loss of power

For more information on electrical power at UBC, visit [UBC Facilities](#)



11.0 Emergency Procedures – Earthquake

11.1 Building Emergency Directors and Floor Warden – Instructions

If you are indoors - During the Shaking

1. **DROP** to the ground
2. Take **COVER** by getting under a sturdy desk or table
 - a. If you can't get under something strong, or if you are in a hallway, crouch against an interior wall and protect your head and neck with your arms.
 - b. Stay away from an exterior wall as it is more likely to sustain damage during an earthquake.
 - c. Stay away from windows, shelves, and heavy objects that may fall
3. **HOLD ON** to the object that you are under so that you remain covered. Be prepared to move with the object until the shaking has finished.
4. Stay indoors till the shaking stops and you are sure it is safe to exit. In most buildings in British Columbia, you are safer if you stay where you are until the shaking stops.

If you are indoors - After the shaking stops

1. Count to 60 to allow debris to finish falling after the shaking stops and before attempting to exit.
 - Assess your immediate surroundings for dangers (i.e. check for fires, gas leaks, exposed/arcing electrical components/wires, leaking sewage pipes, broken water pipes, dangling fixtures/furnishings).
2. Determine whether it is safer to stay indoors or evacuate. Do not assume it is safe to exit. Proceed with evacuating the building if it is safe/necessary.
3. Begin Evacuation Procedures:
 - Urge people to stay calm and evacuate in a quick and orderly manner. WALK, DO NOT RUN.
 - Do not allow building occupants to use the elevator(s).
 - Repeat DROP, COVER, AND HOLD procedure before resuming evacuation if an aftershock occurs during evacuation and you are still inside the building.
 - If possible, assist occupants that are unable to evacuate using the stairs. Refer to **Appendix 3: Persons Requiring Assistance** and **Appendix 4: Personal Evacuation Plan**. Alternatively, individuals having difficulty can be directed to an area of refuge or a safe location inside the building. Building Floor Wardens and Building Emergency Directors must relay the location of these occupants to the Fire Department.
4. Upon exiting the building, direct evacuated occupants to the Predesignated Meeting Area located on the east side of East Mall by the Health Sciences Parkade.
5. Proceed to pre-determined meeting location for Building Emergency Directors (BEDs) and Building Floor Wardens located at the Southwest corner of Hospital Lane and East Mall. Building Floor Wardens to report information about the earthquake, the evacuation, or about the building as required to the BED.
6. Ensure all evacuation information from Building Floor Wardens is reported to the Building Emergency Director and that information is relayed over to First Responders when they arrive. Once evacuated,



DO NOT ALLOW ANYONE TO RE-ENTER THE BUILDING until the Fire Department or authorized UBC building officials give permission to do so.



11.0 Emergency Procedures – Earthquake

11.2 Building Emergency Directors and Floor Warden – Instructions

If you are outdoors - During the Shaking

1. Stay outside if you are outdoors when the shaking starts, you should find a clear spot away from buildings, trees, streetlights, and power lines, then:
 - a) **DROP** to the ground,
 - b) **COVER** your head from falling debris. If you are in a crowded area, take cover where you won't be trampled.
 - c) **HOLD ON** until the shaking stops.

If you are outdoors - After the shaking stops

1. Count to 60 to allow debris to finish falling after the shaking stops.
2. Assess your immediate surroundings for dangers. (e.g. fallen wires). Stay away from exterior walls and heavy objects which may fall.
3. Proceed to pre-determined meeting location for Building Emergency Directors and Building Floor Wardens located on the Southwest corner of Hospital Lane and East Mall. Building Floor Wardens to report information about the earthquake, the evacuation, or about the building as required to the Building Emergency Director.
4. Ensure all evacuation information from Building Floor Wardens is reported to the Building Emergency Director and that information is relayed over to First Responders when they arrive
5. Do not enter your building to evacuate occupants.
6. **DO NOT ALLOW ANYONE TO ENTER THE BUILDING** until the Fire Department or authorized UBC building officials give permission to do so.

NOTE: *UBC strongly encourages staff, faculty, residents and students to be personally prepared by having [72 hours emergency preparedness kits](#).*



11.0 Emergency Procedures – Earthquake

11.3 Building Occupants – Instructions

If you are indoors - During the Shaking

1. **DROP** to the ground
2. Take **COVER** by getting under a sturdy desk or table
 - a. If you can't get under something strong, or if you are in a hallway, crouch against an interior wall and protect your head and neck with your arms.
 - b. Stay away from an exterior wall as it is more likely to sustain damage during an earthquake.
 - c. Stay away from windows, shelves, and heavy objects that may fall
3. **HOLD ON** to the object that you are under so that you remain covered. Be prepared to move with the object until the shaking has finished.
4. Stay indoors till the shaking stops and you are sure it is safe to exit. In most buildings in British Columbia, you are safer if you stay where you are until the shaking stops.

If you are indoors - After the shaking stops

1. Count to 60 to allow debris to finish falling after the shaking stops and before attempting to exit.
 - Assess your immediate surroundings for dangers (i.e. check for fires, gas leaks, exposed/arcing electrical components/wires, leaking sewage pipes, broken water pipes, dangling fixtures/furnishings).
2. Determine whether it is safer to stay indoors or evacuate. Do not assume it is safe to exit.
3. Proceed with evacuating the building if it safe/necessary and follow instructions of Building Floor Wardens and/or Building Emergency Director.
 - Remain calm, and evacuate quickly and in an orderly manner. WALK, DO NOT RUN.
 - Do not use the elevator(s).
 - Repeat DROP, COVER, AND HOLD procedure before resuming evacuation if an aftershock occurs during evacuation and you are still inside the building.
 - If possible, assist occupants that are unable to evacuate using the stairs. Refer to **Appendix 3: Persons Requiring Assistance** and **Appendix 4: Personal Evacuation Plan**. Alternatively, individuals having difficulty can be directed to an area of refuge or a safe location inside the building, Building Floor Wardens and Building Emergency Directors must relay the location of these occupants to emergency personnel.
4. Proceed directly to the Predesignated Meeting Area located upon exiting the building, and wait for further instructions from the Building Emergency Director. The Predesignated Meeting Area is: on the east side of East Mall by the Health Sciences Parkade.
5. DO NOT ENTER THE BUILDING until the Fire Department or authorized UBC building officials give permission to do so.

NOTE: UBC strongly encourages staff, faculty, residents and students to be personally prepared by having [72 hours emergency preparedness kits.](#)



11.0 Emergency Procedures – Earthquake

11.4 Building Occupants – Instructions

If you are outdoors - During the Shaking

1. Stay outside if you are outdoors when the shaking starts, you should find a clear spot away from buildings, trees, streetlights, and power lines, then:
 - a) **DROP** to the ground,
 - b) **COVER** your head from falling debris. If you are in a crowded area, take cover where you won't be trampled.
 - c) **HOLD ON** until the shaking stops.

If you are outdoors - After the shaking stops

1. Count to 60 to allow debris to finish falling after the shaking stops.
2. Assess your immediate surroundings for dangers (e.g. fallen wires). Stay away from exterior walls and heavy objects which may fall.
1. Proceed directly to the Predesignated Meeting Area located and wait for further instructions from the Building Emergency Director and/ or Building Floor Warden(s). The Predesignated Meeting Area is: on the east side of East Mall by the Health Sciences Parkade.
3. Do not enter your building to evacuate occupants
4. DO NOT ENTER ANY BUILDINGS until the Fire Department or authorized UBC building officials give permission to do so.

If you use a wheelchair:

1. If you are able to, follow **DROP**, **COVER**, and **HOLD ON** procedure and seek shelter under a sturdy table or desk.
2. Try to get into an inside corner of the room (or an open area if you are outside), lock the wheels, and cover your head and neck with your arms.
3. Stay away from windows, shelves, and heavy objects that may fall. Additionally, stay away from an exterior wall as it is more likely to sustain damage during an earthquake.
4. Shield your face from falling debris and broken glass with the use of a blanket, seat cushions, or pillow, if available.
5. Move to the Area of Refuge, when the shaking stops or a safe location inside the building until assistance arrives. Building Emergency Directors and Building Floor Wardens will relay this location to emergency personnel.

NOTE: UBC strongly encourages staff, faculty, residents and students to be personally prepared by having [72 hours emergency preparedness kits.](#)



12.0 Emergency Procedures – Explosion or fire due to Hazardous Materials

12.1 Building Emergency Director, Floor Warden and Building Occupants – Instructions

1. Evacuate the immediate area, closing the doors behind you. If possible, control the fire with the appropriate fire extinguisher if it is a small manageable fire, you are trained, confident, and have an exit route behind you. Refer to **Appendix 6: Operating a Fire Extinguisher**. To help contain the fire, close windows and doors that are near to you on your way out, but **ONLY DO SO IF IT IS SAFE**.
2. Activate the fire alarm.
3. Follow instructions of Building Floor Wardens during evacuation.
4. Urge people to stay calm and evacuate in a quick and orderly manner. WALK, DO NOT RUN.
5. Use the stairway to evacuate; DO NOT use the elevator(s).¹
6. If possible, assist occupants that are unable to evacuate using the stairs. Refer to **Appendix 3: Persons Requiring Assistance** and **Appendix 4: Personal Evacuation Plan**. Alternatively, individuals having difficulty can be directed to an area of refuge or a safe location inside the building, Building Floor Wardens and Building Emergency Directors must relay the location of these occupants to the Fire Department.
7. Upon exiting the building, provide the Emergency Responders, Building Emergency Director and/ or Building Fire Wardens with any information on hazardous materials involved (e.g. Safety Data Sheets (SDS)) and location of individuals unable to exit the building.
8. Proceed directly to the Predesignated Meeting Area and wait for further instructions from the Building Emergency Director. The Predesignated Meeting Area is: on the east side of East Mall by the Health Sciences Parkade
9. Call 911 to ensure that the Fire Department received the alarm. Provide the following:
 - a) State your name
 - b) Provide the address where the fire is located and the nearest intersection. The address of your building is: 2275 East Mall, Vancouver, BC, V6T 1Z4.
 - c) Provide information about the fire:
 - **WHERE:** Floor number, Room number,
 - **WHEN:** Approximate time fire started
 - **WHAT:** what caused the fire, is it spreading, are people injured or requiring urgent assistance
10. Call Campus Security at 604 822 2222.
11. DO NOT ENTER THE BUILDING until the Fire Department or authorized UBC building officials give permission to do so.



13.0 Emergency Procedures – Gas Leak

13.1 Building Emergency Director, Floor Warden and Building Occupants – Instructions

1. **Stop what you're doing.** Don't use your cellphone or landline, don't smoke, light matches or operate electrical switches or create any other source of ignition.
2. **Go Outside.** As you exit, leave the door open behind you as well as any windows that may already be open
3. **Call Us.** Once outside, call
 - a. On Campus – Building Operations Service Centre 604 822 2173 (24hrs) or 911
 - b. At home - FortisBC Emergency Line at 1-800-663-9911 (24 hours) or 911



14.0 Emergency Procedures – Chemical, Biological or Radiation Spill

14.1 Building Emergency Director, Floor Warden and Building Occupants – Instructions

Any uncontrolled release of hazardous materials is considered a spill. Spills of small volumes or low risk substances can often be addressed by trained users. Where larger volumes or higher risk substances are involved that take clean up beyond capability of users these procedures must be followed:

1. Shut down equipment if time permits.
2. Evacuate immediate area or building as necessary. To help contain the area, close windows and doors that are near to you on your way out, but **ONLY DO SO IF IT IS SAFE**.
3. Prevent re-entry.
4. Proceed directly to an area that is at a safe distance outside the contained area. In case of building evacuation, this will be the main entrance of the building or the Predesignated Meeting Area located on the east side of East Mall by the Health Sciences Parkade.
5. Call 911. Provide the following information about the spilled material to the operator
 - a) State your name
 - b) Provide the location of the hazardous materials release (street address, room number). The address of your building is: 2275 East Mall, Vancouver, BC, V6T 1Z4.
 - a. Any injuries
 - b. Substance name
 - c. Quantity
 - d. Other hazards (e.g. energized equipment, sharps, etc.).
6. Contact Campus Security at 604 822 2222.
7. Have someone wait for emergency personnel outside the main entrance of the building. This person is responsible for directing the first responders to the exact location of the spill and providing information such as the Safety Data Sheet(s) (SDSs).
8. Inform the Supervisor or Department Head
9. **DO NOT RE-ENTER THE BUILDING** until the Fire Department or authorized UBC building officials give permission to do so



15.0 Emergency Procedures – Bomb Threat

15.1 Building Emergency Director, Floor Wardens and Building Occupants – Instructions

All threats must be taken seriously and handled as though an explosive device is on campus. If you receive a bomb threat, contact the RCMP (911) immediately, and then campus security (604-822-2222). In the event of an explosion, follow your evacuation procedures and exit building as quickly and calmly as possible.

What to do?

Bomb threats can be received by telephone, letter or email. If you receive a bomb threat by telephone, stay calm and try to get as much information as possible. Although this might be difficult, try to note any unique features about the voice and any background sounds you hear over the telephone. Keep the caller on the line as long as possible and take detailed notes about what is said. Do not upset the caller. Indicate your willingness to cooperate.

Take notes on everything said and on your observations:

- Time the call was received.
- Telephone number on which the call was received.
- Exact words of the person making the call (including location of bomb and any time factor involved).
- Noises (listen for any background noises including traffic, music, etc.).

Try to gather as much information as possible:

- Where is the bomb?
- When is the bomb going to explode?
- What kind is it?
- What does it look like?
- Permit the caller to say as much as possible without interruption.

Be aware of the caller's:

- Voice (child or adult, male or female, accent, whether or not the voice is familiar).
- Estimated age.
- State of mind (are they calm? agitated? angry? crying?).
- Any accent or distinguishing characteristics

What to do after?

Call RCMP — 911 immediately, and then UBC Campus Security to report the threat. If possible, get a co-worker to do this while you continue talking to the caller. (The purpose of keeping the person talking is to assist in identifying the caller. Tracing is not always possible.)

- Survey your immediate work area. If you see a package or a foreign object in an unusual place — **DON'T TOUCH IT**. Follow instructions given by emergency personnel. You will be advised if evacuation is necessary.
- An explosion of any type must be reported immediately to the Fire Department. Call 911.



16.0 Emergency Procedures – Suspicious Package

16.1 Building Emergency Director, Floor Wardens and Building Occupants – Instructions

UBC Campus Mail is trained in recognizing suspicious packages and letters and is the initial receiver of all UBC mail. In the event you do receive a suspicious package or find a written threat, take proper precautions and use the following procedures:

Notice a suspicious object

- Do not touch or disturb the object.
- Note the location and description of the object and provide that information to [Campus Security](#) at 604.822.2222
- Wait for instructions from Campus Security.
- Be prepared to evacuate.

Suspicious Envelopes or Packages

- If you have opened the letter, or package, set it down gently where you first read/opened it. Leave it alone, remain calm and avoid sudden movements.
- Inform a co-worker in the immediate area about what has happened and ask them to call [Campus Security](#) at 604.822.2222.
- Move to an area where you can avoid contact with others and stay there.
- Remain calm. Exposure does not mean that you will become sick. Campus Services will make sure you receive specific information about symptoms and effective treatment.

Common Features of Suspicious Letters or Packages

- No return address; postmark or name of sender is unusual.
- Excessive or inadequate postage.
- Handwritten or poorly typed addresses.
- Misspelling of common words.
- Restrictive markings such as “Confidential”, “Personal”, etc.
- Excessive weight and/or a feeling of a powdery substance.
- The letter/package is lopsided or unusually thick.
- Rub-on block lettering.
- Threat of any type of contamination.



17.0 Emergency Procedures – Active Shooter

17.1 Building Emergency Director, Floor Warden and Building Occupants – Instructions

An active shooter is a person actively shooting at people, usually at random, in a confined or populated area. In most cases, there is no pattern or method to their actions. Event is unpredictable and evolves quickly. Knowing what to do can save lives. When an active shooter is in your vicinity, you must be prepared both mentally and physically to deal with the situation. If faced with an active shooter incident either on UBC campus or elsewhere, you have THREE options to protect your personal safety immediately – **RUN, HIDE, FIGHT**. For updates in the event of an incident occurring, refer to www.ubc.ca

RUN (get out)

If you see or hear an armed intruder and if you believe it is possible to safely exit the area – RUN!

- Leave belongings behind
- Advise others to leave
- Assist others if you can
- Warn others of the threat
- Call police – 911 as soon as it is safe to do so.

HIDE (hide out)

If you don't know exactly where the shooting is happening or evacuation is not possible to escape safely – HIDE!

- Take shelter if you are inside a classroom or office, stay there. If you are in a corridor, go to the closest room that's not already locked
- Lock windows and doors, refer to any lockdown procedures posted in the room and await instructions from emergency personnel
- Barricade the entry if the door does not lock. Use tables and chairs.
- Close curtains and blinds. Turn off the lights
- Keep quiet. Put your cell phone on silent mode – including the vibrate feature
- Hide behind large objects if possible.
- Stay low and keep away from windows and doors
- Remain calm and await further instructions from emergency personnel
- Call 911 if safe to do so
- If the fire alarm is activated, remain where you are and await further instructions from emergency personnel
- Do not open the door for anyone unless they validate their identity as an emergency personnel.



17.0 Emergency Procedures - Active Shooter (cont'd)

Fight/Defend (take out)

As an absolute last resort if you cannot run or hide, and if you feel your life is in imminent danger – FIGHT!

- Commit to your actions with the goal being to delay, block, or overcome the threat
- Work with the people around you
- Do what you need to stay alive, including using force to protect yourself
- Look for objects that could be used as tools for self-defense

What to do when law enforcement arrives

- Remain calm and follow instructions
- Drop items in your hands (ie. Bags, jackets)
- Keep hands raised (spread fingers) and visible at all times
- Avoid quick movements towards officers, such as holding on to them for safety
- Avoid pointing, screaming or yelling
- Do not ask questions when evacuating

The first officers to arrive on scene are tasked to end the incident, and they may not stop to help the injured. Know that rescue teams will enter after the initial officers. These rescue teams will treat and remove the injured once it is safe to do so.

Once you have reached a safe location, you will likely be held in that area by police until the situation is under control and all witnesses have been identified and questioned. Do not leave the area until police have instructed you to do so.

What to do when law enforcement arrives

- Location of the active shooter
- Your location
- Number of shooter(s)
- Number and type of weapons held by the shooter(s)
- Number of potential victims at location

For more information, take the [Active Shooter Preparedness Online Training](#)



18.0 Fire Evacuation Drills – Procedures and Records

As per [BC Fire Code](#), fire drills must be conducted at least once per year. They are intended primarily to ensure that all Building Occupants know how to respond safely and effectively in the event of a life-threatening emergency.

It is the responsibility of the Building Emergency Director when arranging a fire drill to:

1. Contact the Building Operation Service Centre (604 822 2173) to request an “Annual Fire Drill.” They submit a service request for a representative from Building Operations Fire Life Safety to sound the alarms in your building. The following information is required:
 - a. Date and time of drill (Recommended days are Tuesday to Thursday, Times to avoid are: 6:30 – 9:15am, 11:15 – 12:15, and 3:00pm – 3:30pm)
 - b. Location: Building name and address
 - c. Contact information of person making the request
2. A representative from Building Operations Fire Life Safety will contact you to confirm the date and time they will be able to attend.

If you have any questions about your building, contact your [UBC Facility Manager](#)

18.1 Record of Fire Drills

Fire Drills were conducted on the following date(s):

DATE/TIME	ARRANGED BY	TOTAL BUILDING EVACUATION TIME	ATTENDED BY FIRE DEPARTMENT? YES/NO
2014/10/21 @ 10:00 am	S. Margraff	5:51 min	No
2017/06/01 @ 10:00 am	J. Pelletier	5:34 min	Yes
2018/06/19 @ 10:00 am	M. Clarkson	5:28 min	No
2019-2020	Cancelled Due to Pandemic	N/A	N/A
2021/06/19 @ 11:00 am	J. Pelletier	5:30 min	Yes
2022/06/23	M. Clarkson	4:05 min	Yes

Please indicate on the Joint Occupational Health and Safety Committee or Local Safety Team (LST) meeting minutes any follow up items noted following a fire drill.



Appendix 1: Emergency Procedure Key Plans

To obtain Emergency Procedure Key Plans for your building, send an email to: records.section@ubc.ca and specify the building of interest.

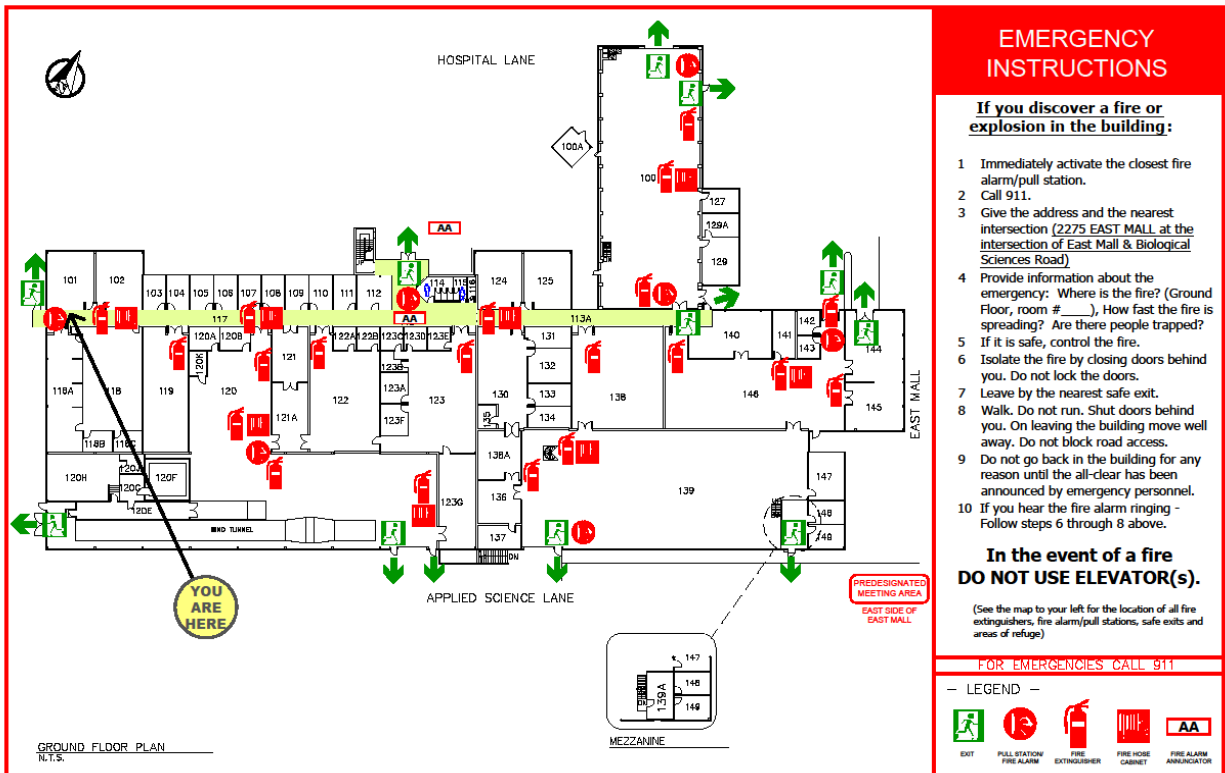
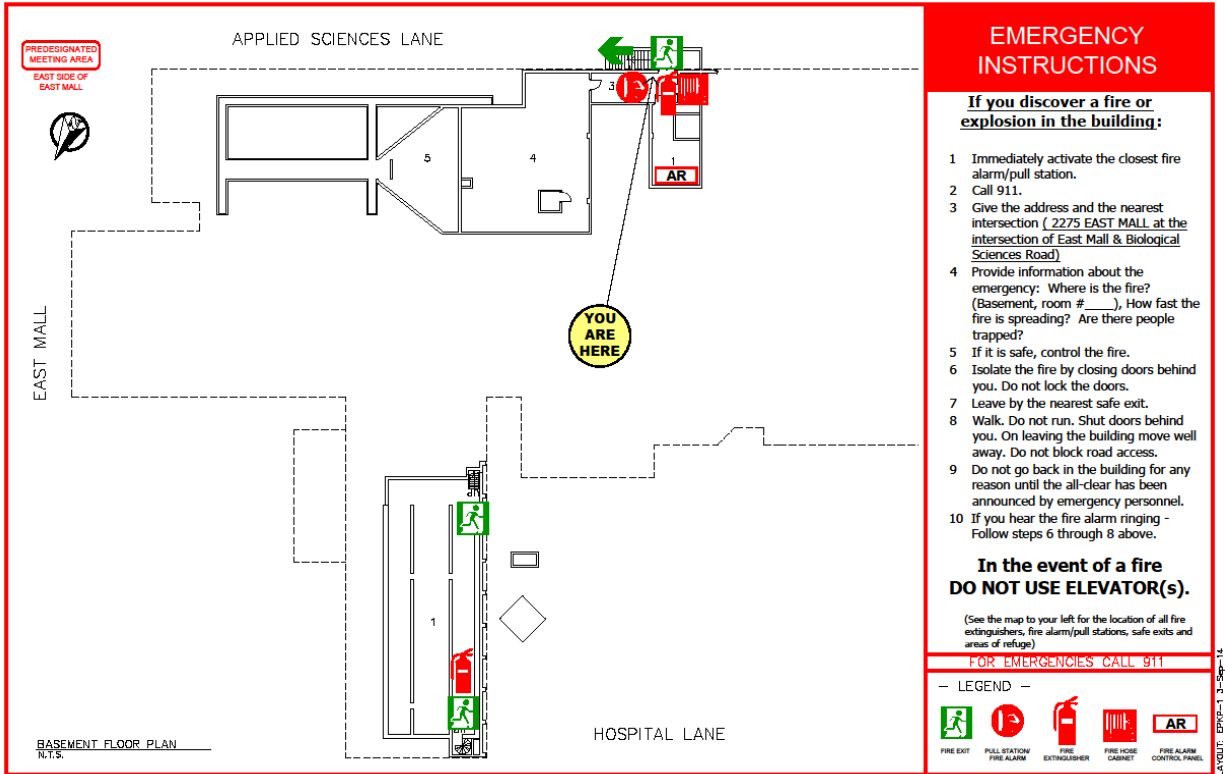
If you receive a response indicating that your building's EPKs are not available, contact your [facility manager](#) who will be able to assist in drafting the key plans that identify the location of the items listed below. These drafts can then be submitted to records.section@ubc.ca.

If modifications to your EPK are required, contact Facility Information Inventory System (id.fis@ubc.ca)

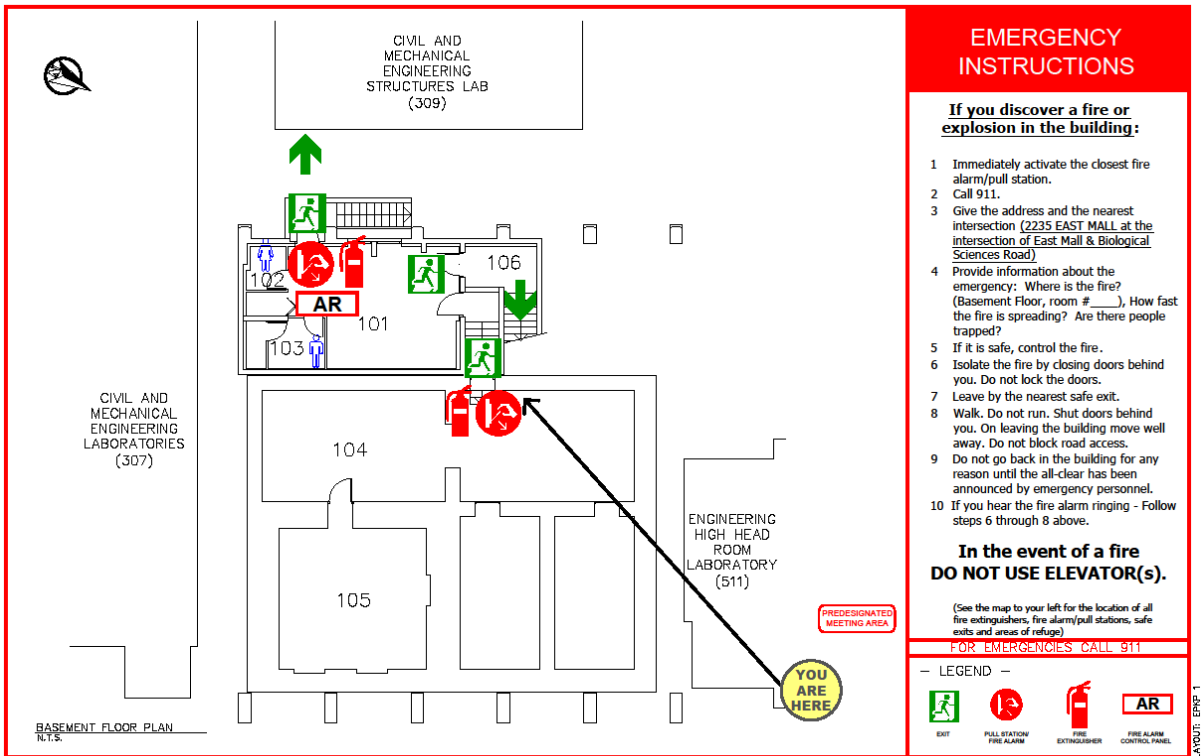
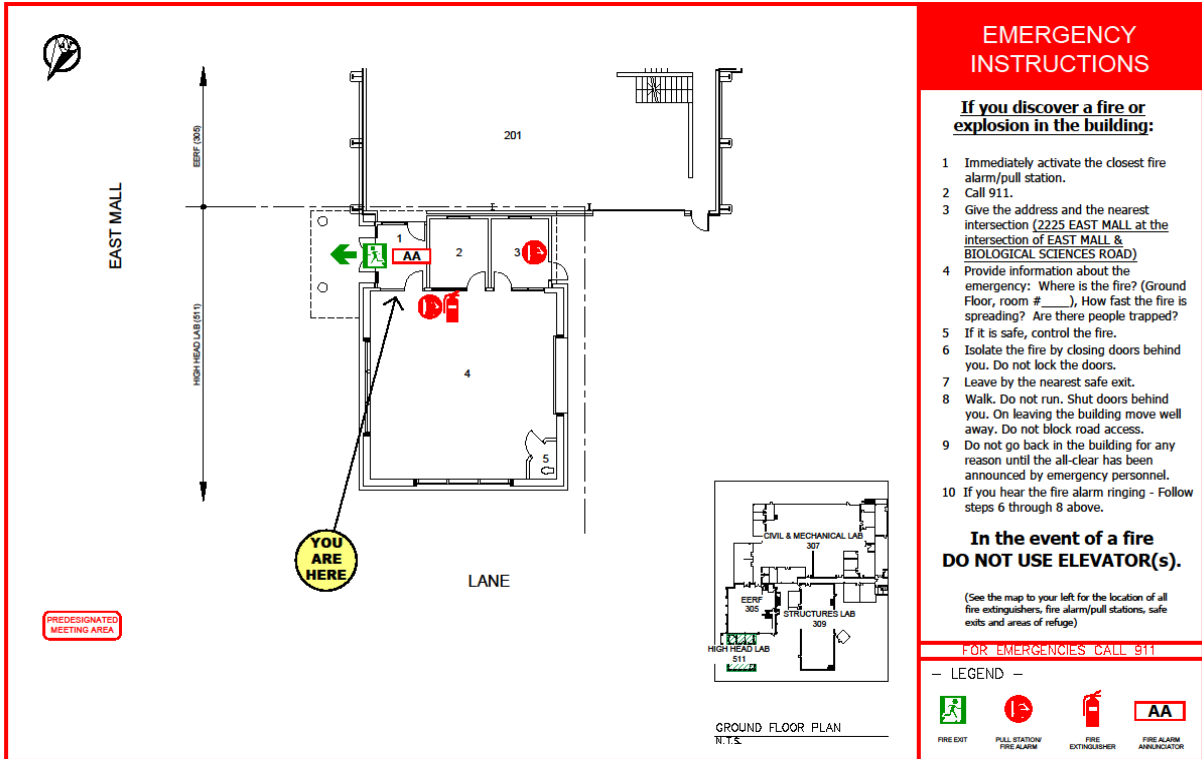
Emergency Response Key Plans should include the location of the following (if applicable):

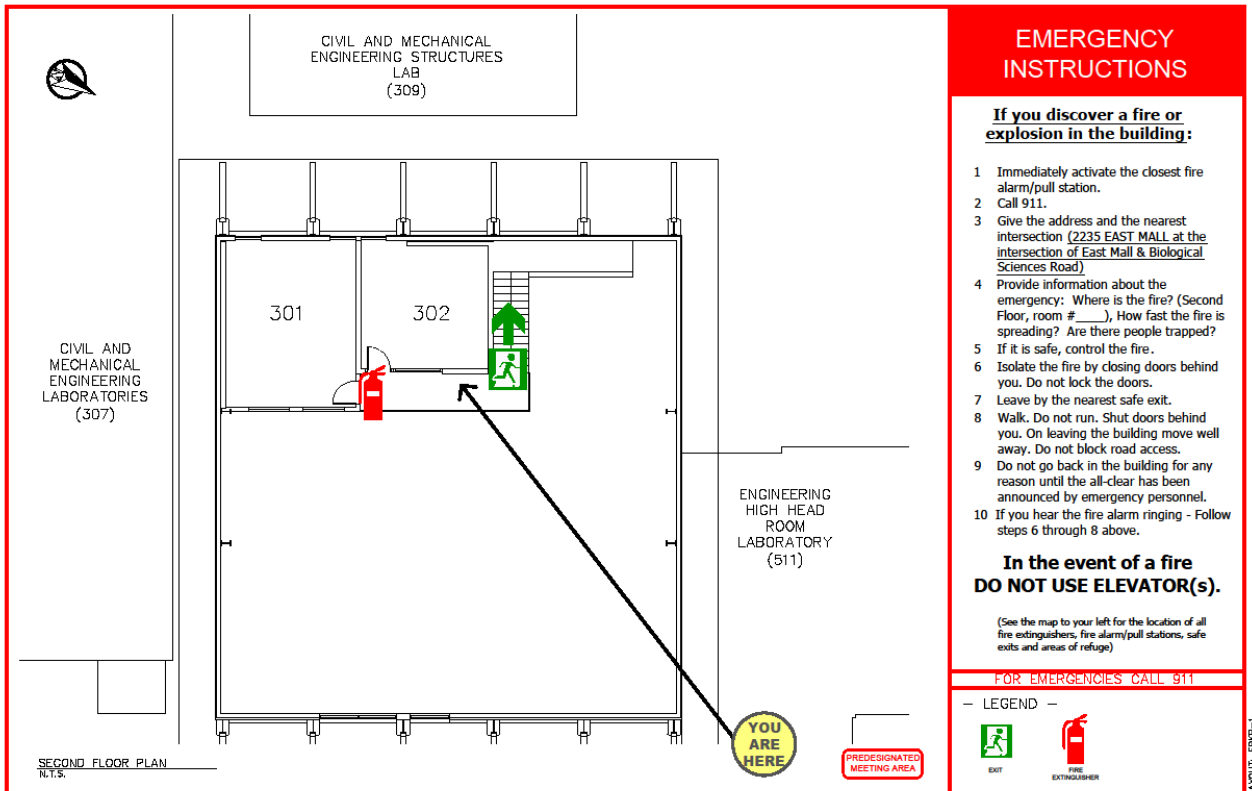
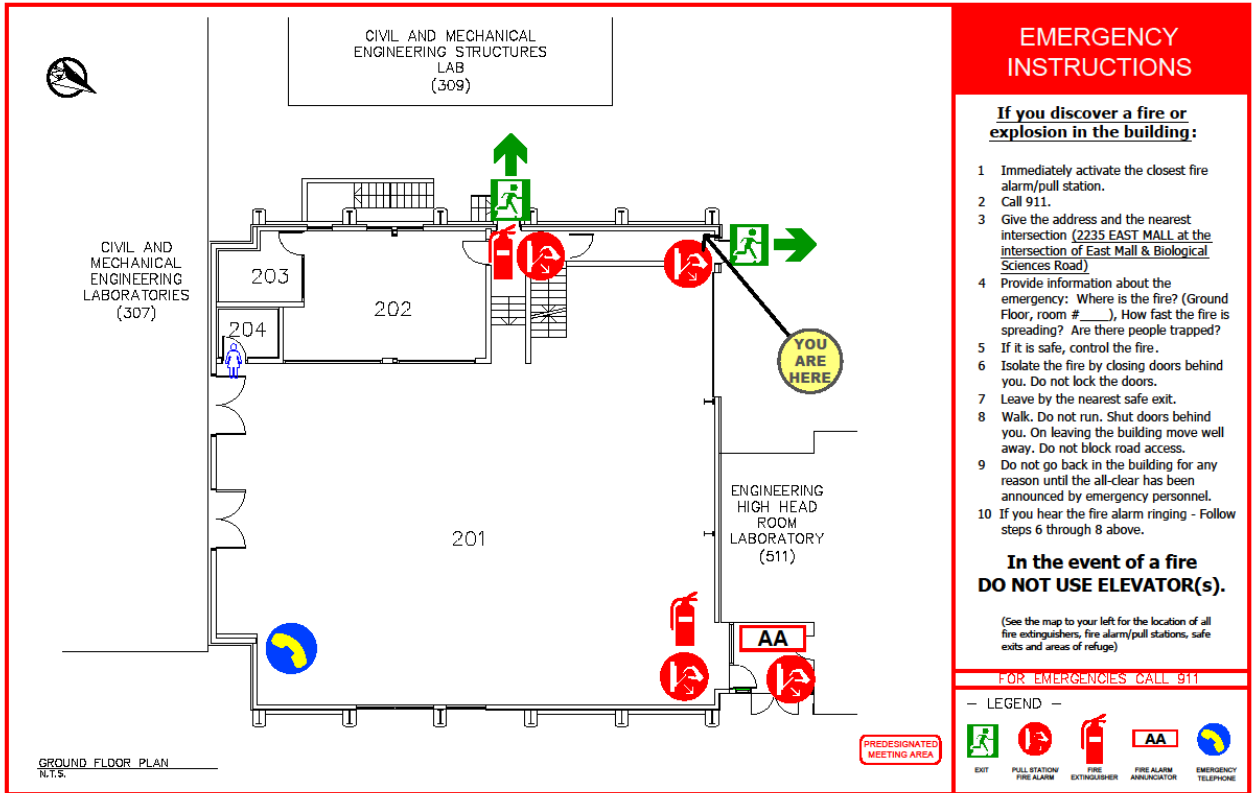
Click on check box to fill in

- ☐ Automated External Defibrillators (AEDs)
- ☒ Emergency exits
- ☒ Emergency lighting
- ☐ Emergency power
- ☒ Fire alarm pull station
- ☒ Fire extinguisher(s)
- ☒ Fire hose cabinets & standpipes
- ☐ Fire hydrant(s)
- ☐ Fire pump
- ☐ Sprinkler system
- ☐ Area(s) of Refuge



Emergency Response Key Plans are posted on walls near exit doors.

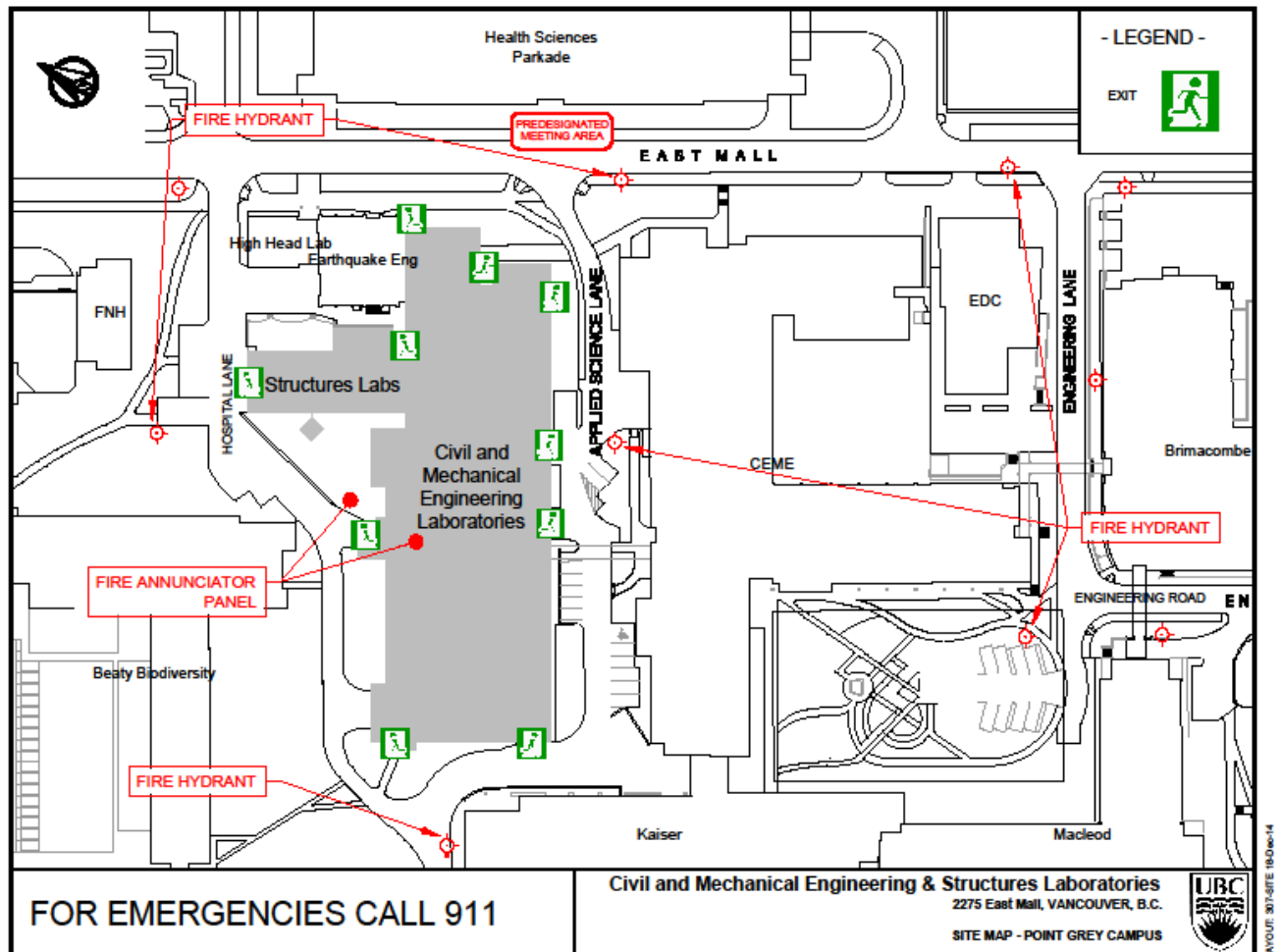


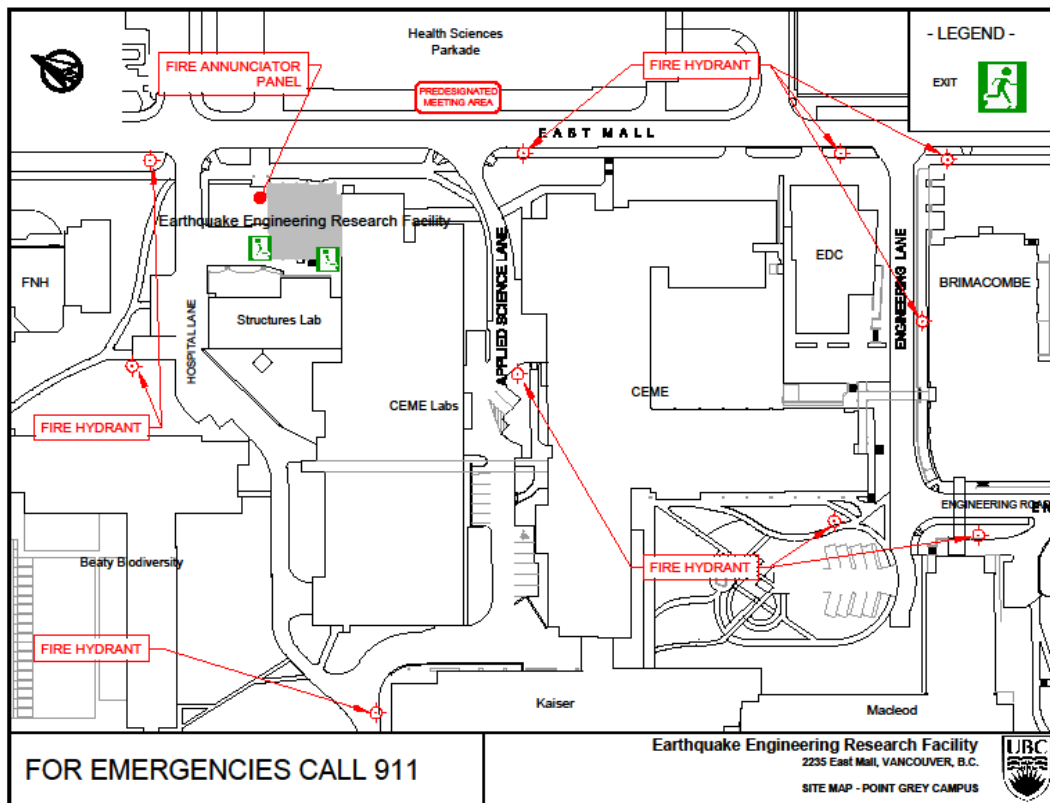
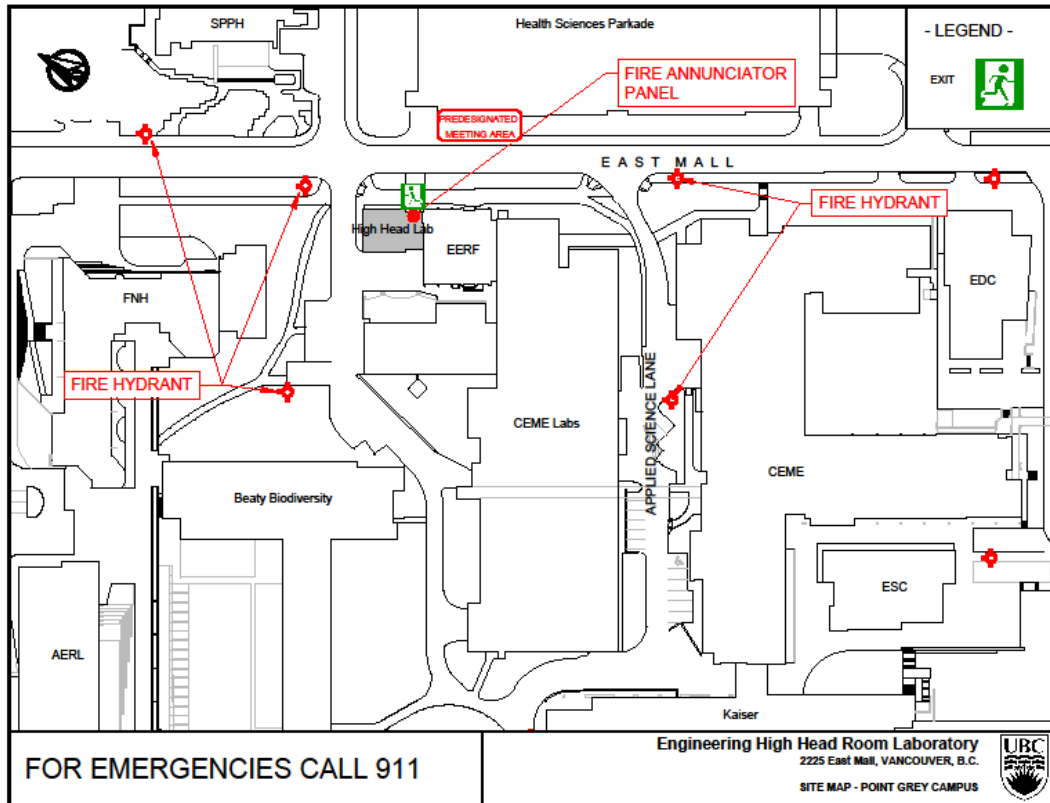




Appendix 2: Building Site Plan

– This is a map which shows the location of the civil & Mechanical Engineering Laboratories building, nearest cross streets, location of fire hydrants, etc.







Appendix 3: Persons Requiring Assistance

Providing assistance is entirely voluntary and can be performed to varying degrees as seen below:

Type of assistance provided includes:

- Guidance
 - Explaining information about where to go, the type of emergency occurring, and what needs to be done
 - Escorting the persons to the Area of Refuge or safe location to shelter or to the exit
- Minor Physical Effort
 - Offering an arm to assist the persons
 - Opening the door(s)
- Major Physical Effort
 - Operating a stair-descent device
 - Participating in carrying a wheelchair down the stairs
 - Carrying a person down the stairs

Training

Where person(s) with impairment(s) has to make an exceptional effort to get out unaided, it may not be practical for them to practice during drills. However, timing a short section of the escape will assist in establishing how long a full escape might take.

Where will the person(s) start providing assistance?

- From the location of the Person Requiring Assistance
 - The person providing assistance and the person requiring assistance should determine the best method for communication (face-to-face, phone, e-mail, etc.) prior to an emergency evacuation.
- From a specific, predetermined location such as the entry to the stairs.

How will the person(s) providing assistance be contacted?

- Face-to-face
- Phone
- Email

When will the person(s) provide assistance?

- Always
- Only when asked



Appendix 3: Persons Requiring Assistance

Mobility

Mobility impairments include individuals with wheelchairs, individuals who can walk but with difficulty, individuals who have difficulty using building features such as stairs, individuals with respiratory impairments, etc. Additionally, persons with mobility impairments can hear standard alarms and voice announcements and can see activated visual notification appliances (strobe lights) that warn of danger and the need to evacuate.

People with any type of mobility impairments should be provided with a map showing all emergency evacuation routes including alternate evacuation routes. Written plans should include information on assistance devices (i.e. where they are kept, how to use them, etc.) and/ or the type of method used to carry an individual (e.g. cradle carry or swing carry), if applicable. Training, practice, and an understanding of the benefits and risks of using assistance devices and/ or carrying methods are important and necessary aspects of the planning process.

Important notes:

- Persons with mobility impairments may require assistance with operating door locks, latches, and other devices due to impairments of their hands, fingers, legs, feet, or arms.
- Persons with mild to severe mobility impairment may require assistance to exit the building. A personal evacuation plan should be developed (See **Appendix 4: Personal Evacuation Plan**).

Cognitive

Persons with cognitive impairments can understand hear standard alarms and voice announcements and see visual indicators that warn of danger and the need to evacuate. However, they may not have the ability to recognize and understand emergency alarm systems or other emergency features and what they mean. If person does not recognize and understand alarms systems or emergency features, then plans need to be developed.

Cognitive impairments prevent a person from using or accessing building features due to an inability to process or understand the information necessary to use the features. In general, persons with cognitive impairments have some decreased level of ability to process or understand information or situations. It should be verified whether a person with a cognitive impairment has the ability to find and use the exits. If not, plans for assistance need to be developed.

Possible accommodations for emergency evacuation for people with cognitive impairments:

- Providing a picture book of drill procedures and/ or simple floor plans
- Colour coding fire doors and exit ways
- Implementing a buddy system
- Using a job coach for training



Appendix 3: Persons Requiring Assistance

Visual

- Persons with visual impairments (i.e. blind or with low vision) can hear standard building fire alarms and voice announcements that warn danger or the need to evacuate or that provide instructions. On the other hand, persons with visual impairment may not be able to evacuate on their own. It is important to verify prior to an emergency evacuation if persons with visual impairments can evacuate unassisted or not (this information should be detailed in a personal evacuation plan). See **Appendix 4: Personal Evacuation Plan Template**.

Important notes:

- Exit signage and directional signage for those with visual impairments is clearly and strictly specified by codes (requirements include type, size, spacing, color of letters, etc.). Tactile signage must be designed and properly located so they can be readily found by a person with a visual impairment from any direction of approach to the exit access.
- If tactile signage is used in the workplace, it may be practical to physically take persons with visual impairments to these areas.
- During an emergency evacuation, pre-determined evacuation routes may be obstructed, persons with visual impairment will need to know if an alternate route should be taken.

The personal evacuation plan for a person with a visual impairment needs to be prepared and kept in the alternative format preferred by that person, including but not limited to Braille, large type, or tactile characters.

Speech

People with speech impairments can hear standard alarms and voice announcements and can see visual indicators that warn of danger and the need to evacuate. Once notified, people with speech impairments can use any standard means of egress and can read and follow standard exit and directional signs.

Elevators are required to have both a telephone and an emergency signaling device. People with speech impairments should be aware of whether the telephone is limited to voice communications and where the emergency device rings - whether it connects or rings inside the building or to an outside line - and who would be responding to it. Additionally, they may need some assistance with voice communication devices in an elevator.



Hearing

Persons with hearing impairments cannot hear alarms and voice announcements that warn of danger and the need to evacuate. Many codes require new buildings to have flashing strobe lights (visual devices) as part of the standard building alarm system, but because the requirements are not retroactive many buildings do not have them. Additionally, strobe lights are required only for fire alarm systems and simply warn that there may be a fire, and not for other type of emergency evacuations systems.

It is extremely important for people with hearing impairments to know what visual notification systems are in place. They need to be aware of which emergencies will activate the visual notification systems and which emergencies will not. Alternative methods of notification need to be put in place in your workplace for people with hearing impairments so they can get all the information they need to evacuate in a timely manner.

Once notified, people with hearing impairments can read and follow standard exit and directional signs.

Important notes:

- If a person with a hearing impairment is likely to be in one location for a significant period of time, such as at a desk in an office, installation of a reader board in the work area might be useful.
- Other notification methods include personal notification devices which can be activated by a building's alarm system, instant email, or phone communications.

General Tips for persons requiring assistance

- Ask others for input, such as community directors, staff, faculty, supervisors, and co-workers.
- Choose two evacuation routes for each building
- Assign primary and alternate assistants
- Do not consider using elevators in your plan
- Consider alternative carry and/or communication methods.
- Attach written instructions to all disability related equipment
- Think about your needs for preparedness kits, for example, disability related equipment, communication devices, service animal food, and three days' worth of medication, if applicable.
- Have a list of all your medications (names, dose, frequency, and name of doctor).
- Have easy access to emergency contact information at all time.
- Participate in drills and review effectiveness of plan.

References

Dartmouth College. (September 2005). Special Assistance Needs and Disability Emergency Building Evacuation Plan.

NFPA. (June 2016). Emergency Evacuation Planning Guide for People with Disabilities. National Fire Protection Association.



Appendix 4: Personal Evacuation Plan

Identifying the persons requiring assistance

The Building Emergency Director should distribute the [Qualtrics Survey](#) to all UBC occupants in the building to gather information on persons requiring assistance. Only the persons that require assistance are required to complete the survey. Note that information collected in this survey will be received by the Advisor, Safety Programs in Safety & Risk Services. This information will be shared with the Building Emergency Director and Floor Warden who will then work with those personnel who have self-identified themselves as requiring assistance to develop a personal evacuation plan. Relevant health or special needs information will be collected at this time. In any case, when a Building Occupant is left in the building during an emergency evacuation the Floor Warden, Building Emergency Director, and the Fire Department need to be immediately notified.

Providing assistance is entirely voluntary and can be performed to varying degrees. Predetermined persons providing assistance can be anyone in the office or building such as a co-worker, friend, building staff, supervisor, Building Floor Warden, etc. Whether one person or multiple people are required to provide assistance, alternate people should be identified and this information should be recorded in the Personal Evacuation Plan.

To respect personal privacy, please do not distribute or publish these plans. Please remove these pages from the BERP before widely distributing the BERP within the building.

The completed forms are to be kept in a binder with the BERP in a controlled access area so they are not readily available to others. There should be a regular review of persons who need assistance, especially if need is only temporary. If assistance is no longer required, the Personal Evacuation Plan will be kept locked up for one year and then shredded as per BC's *Freedom of Information and Protection of Privacy Act* requirements.



Appendix 4: Personal Evacuation Plan

Personal Evacuation Plan Developed for:

Name _____

PART 1: YOUR PRIMARY LOCATION		
Building	Room Number	Department
PART 2: YOUR CONTACT INFORMATION		
Primary Phone	Cell Phone	Email Address
PART 3: DURATION OF ASSISTANCE		
Detail if assistance is required for a temporary time frame or permanent (throughout entire employment duration)		
PART 4: TYPE OF ASSISTANCE		
Detail the number of assistants required and the role of the assistant considering the following factors (use of disability related equipment, use of area of refuge or "safe location to shelter," assisting until a certain point or until safely out of the building, are service animals involved?)		
PART 5: CONTACT INFORMATION FOR PRIMARY ASSISTANT(S)		
Primary Phone	Cell Phone	Email Address
PART 6: CONTACT INFORMATION FOR ALTERNATE* ASSISTANT (S)		
*Alternates are to assist when the primary assistants are not available		
Primary Phone	Cell Phone	Email Address
PART 7: PRIMARY EVACUATION ROUTE		
Describe the primary route that will be taken and attach a map outlining it		
PART 8: SECONDARY EVACUATION ROUTE		
Describe the secondary route that will be taken and attach a map outlining it		
PART 9: TRAINING FOR THE ASSISTANT		
Is Training required for the assistant?	Is the required training completed by the assistant?	Is there documentation showing completed training?
PART 10: PERSONAL EMERGENCY PREPAREDNESS KIT (if applicable)		
Detail the location of any Personal Emergency Preparedness Kit		



Appendix 5: Elevator Upgrade Project

The Elevator Code has been revised to include Firefighters' Emergency Operation (FEO). This ensures that the fire department can use the elevator during a fire. As a result of this code, if applicable, the university has performed upgrades elevators that provide the Fire Department the ability to manually control elevators in emergency situations. The upgraded elevators will have a smoke detector installed in the lobby of the elevator on every floor. When smoke is detected, the elevators will not be operational to building occupants but can still be manually operated by the fire department.

For more information on these upgrades please contact Building Operations Fire Life Safety at fls.buildingops@ubc.ca



Appendix 6: Operating a Fire Extinguisher

The following instructions are applicable for most fire extinguishers. However, it is recommended that Building Fire Wardens take instruction in operating fire extinguishers. This is no longer done by the Fire Department or Safety & Risk Services and training must be arranged through a private contractor.

Building Floor Wardens should concentrate on a safe evacuation of their area of responsibility if they are not trained in fire extinguisher operation.

If you need to use a fire extinguisher, remember the word PASS –

- **Pull** the pin – Fire extinguishers often have a pin, latch, or puncture lever that you need to release first.
- **Aim** low – Aim the nozzle or hose of the extinguisher at the base of the fire.
- **Squeeze** the handle – This releases the extinguishing agent.
- **Sweep** from side to side – Move in close, and sweep across the base of the fire. Always back away and watch for rekindling of the fire.

Discharge the entire contents of the extinguisher.

Immediately contact Building Operations Service Centre at 604-822-2173 and arrange for the fire extinguisher to be recharged.

*Foam and water extinguishers require a slightly different technique. Always read the instructions on the label before you need to use a fire extinguisher.



Appendix 7: Contributors and Resources

The table shown below lists the UBC departments and external agencies that have contributed information as subject matter experts in the development of this document. These individuals also serve as resources for any questions/concerns arising out of this document.

DEPARTMENT/AGENCY	NAME (TITLE)
Fire Department	Rick Cheung (Assistant Chief- Fire Protection Engineer UEL/UBC)
UBC Building Operations	Naval Aery (Fire & Life Safety Head)
UBC Energy and Water Services	Richard Hugli (Senior Manager – Electrical Utilities, Engineering & Utilities)
UBC Safety & Risk Services	Rae Ann Aldridge (Executive Director, Safety & Risk Services)
	Bruce Anderson (Director, Occupational Health & Safety)
	Sam Stevens (Director, Campus Security)
	Paul Nakagawa (Manager, Safety Program Management & Systems)
	Teela Narsih (Advisor, Safety Programs)