

University of California, Berkeley

Stanley Hall

Building Emergency Plan

Date Revised 2/1/2022

Prepared By:

Thom Opal
QB3 Safety Specialist
174E Stanley Hall
Berkeley, CA 94720-3220
510-666-3307
opal@berkeley.edu

TABLE OF CONTENTS

I.	BUILDING INFORMATION	3
	1. Building Name	3
	2. Building Coordinator Name	3
	3. Alternate BC Name	3
	4. Emergency Assembly Area Location	3
	5. Emergency Management Area Number	3
	6. Emergency Management Area Assembly Area Location	4
	7. Departments	4
	8. Stanley Hall Safety Committee	4
	9. Building Evacuation Team (BET): Floor Monitors, Roll Takers, Exit Monitors	6
	10. Audible and Visible Alarms	7
	11. Potential Fire Hazards	7
	12. Fire Prevention Procedures	8
	13. Critical Operations Found in Building	8
	14. Medical and Rescue Duties for Employees	8
II.	IMPORTANT PHONE NUMBERS	9
	1. Campus Telephone Numbers for Life-Threatening Emergencies	9
	2. Telephone Numbers for Non-Life Threatening Emergencies	9
	3. Where to Get Information During a Large-Scale Emergency	9
	4. What to Do When You Hear Campus Warning Sirens	10
III.	EMERGENCY PROCEDURES	11
	1. Emergency Notification Procedures	11
	2. Medical Emergency	11
	3. Evacuation Procedures	11
	4. Fire Procedures	12
	5. Earthquake Procedures	12
	6. Demonstration/ Civil Disturbance Procedures	12
	7. Criminal or Violent Behavior	13
	8. Explosion or Bomb Threat Procedures	13
	9. Hazardous Materials Release Procedures	14
	10. Utility Failure	14
	11. Elevator Failure	14
	12. Flooding, Plumbing or Steam Line Failure	15
	13. Natural Gas Release or Leak	15
	14. Ventilation Problem	15
IV.	EMERGENCY PREPAREDNESS	16
	1. Evacuation	16
	2. Supplies	16
	3. Training and Documentation	16
	4. Drills	17
	5. Securing Building Contents	17
V.	APPENDICES	18
	Appendix A: Acronyms and Terms	18
	Appendix B: Evacuation Policy for People with Disabilities	20
	Appendix C: Emergency Preparedness Guidelines for People With Disabilities	23
	Appendix D: Campus Alerting and Warning System	24
	Appendix E: Building Evacuation Diagrams	25
	Appendix F: Training Acknowledgement Form	37

BUILDING EMERGENCY PLAN

As a building occupant, it is your responsibility to be familiar with this plan. If you have questions, consult your Building Coordinator, Department Safety Coordinator, or Safety Committee representative. As you read this document, pay particular attention to:

- Evacuation routes, exit points, and the location of your Emergency Assembly Area
- When and how to evacuate the building
- Locations of emergency equipment, supplies, and materials, such as fire extinguishers, pull alarms, first aid kits, emergency eye wash stations, and emergency showers
- Proper procedures for notifying emergency responders about an emergency
- Your emergency responsibilities, if you are assigned any, such as being a roll taker or floor monitor
- Potential fire hazards in your building
- Potential exposure to hazardous materials or processes in and around your work area, and means of protecting yourself in the event of an emergency

I. BUILDING INFORMATION

1. Building Name: Stanley Hall

2. Building Coordinator (BC): Thom Opal

Campus Address: 174C Stanley Hall, Berkeley, CA 94720-3220
Phone: 510-666-3307 or 510-666-2666
Off-Hours: 510-326-0496
Fax: 510-666-3399
Email: opal@berkeley.edu

3. Alternate BC: (Building Manager)

Campus Address: 174C Stanley Hall, Berkeley, CA 94720-3220
Phone: 510-666-3306 or 510-666-2666
Off-Hours: 510-326-0496
Fax: 510-666-3399
Email: qb3stanley@berkeley.edu

4. Emergency Assembly Area (EAA) Location:

Hearst Mining Circle – lawn around west side of reflecting pool. See map in Appendix E.

5. Emergency Management Area (EMA) Number: 2

6. EMA Assembly Area Location:

Grassy area on the west side of Evans Hall and the east side of the Memorial Glade

7. Departments:

Department	Dept. Safety Coordinator	Phone	Email
QB3 Institute	Thom Opal	666-3307	opal@berkeley.edu
Bioengineering	Jennifer Teverbaugh	643-1582	jennifert@berkeley.edu

8. Stanley Hall Safety Committee:

Stanley Hall is occupied by the QB3 Institute (QB3), Research Enterprise Services (RES), and the Bioengineering Department Administration. QB3 and RES employees primarily reside in Stanley Hall. For this reason, the Stanley Hall building safety committee and the QB3 department safety committee have been unified into this Stanley Hall Safety Committee.

The Stanley Hall Safety Committee meets **quarterly, on the 2nd Wednesday of March, June, September, and December**

Safety Committee Chair:

Thom Opal
 QB3 Department Safety Coordinator (DSC)
 Stanley Hall Building Coordinator (BC)

Stanley Hall Safety Committee Members			
Unit	Safety Representative	Phone	E-Mail
Ajoy Lab	Emanuel Druga		epieon@berkeley.edu
B2-Level Core Facilities (NMR, Genomics Sequencing, Proteomics, Mass Spec.)	Jeff Pelton	666-2752	jgpelton@berkeley.edu
Barcellos Lab	Diana Quach	643-0829	dquach@genepi.berkeley.edu
BioE Dept. Admin.	Jennifer Teverbaugh (DSC)	642-5833	jennifert@berkeley.edu
BioE Instructional Lab (B1)	Mary West	664-4418	mwest@berkeley.edu
BioE Instructional Lab (1)	Paul Lum	666-3356	plum@berkeley.edu
Bio-Nano Center	Paul Lum	666-3356	p_lum@berkeley.edu
Bustamante Lab	Ledet Getachew	666-2759	ledetgetachew3@gmail.com
Cell&TissueAnalysis Facility	Mary West	664-4112	mwest@berkeley.edu
Clark Lab	Kevin Joslin		kevin_joslin@berkeley.edu
Conboy Lab	Mike Conboy	666-2793	conboymj@berkeley.edu
Fletcher Lab	Victor Gomez	642-5587	victorgomez@berkeley.edu
Francis Lab	Wendy Cao		wendyc@berkeley.edu
Genomics Sequencing Lab	Carrie Rose Miller	666-3372	carriane_rose@berkeley.edu
Groves Lab	Kiera Wilhelm	666-3604	wilhelmk@berkeley.edu
Hallatschek Lab	Joao Ascensao		joaoascensao@berkeley.edu
Head-Gordon Lab	Teresa Head-Gordon		thg@berkeley.edu
Healy Lab	Brian Siemons	666-2798	briansiemons@berkeley.edu

Unit	Safety Representative	Phone	E-Mail
Herr Lab	Gabriela Lomeli	664-4583	gabriela_lomeli@berkeley.edu
Holmes Lab	Ian Holmes	666-2791	ihh@berkeley.edu
Hurley Lab	Kevin Larsen	643-9491	kplarsen@berkeley.edu
King Lab	Victor Gomez		victorgomez@berkeley.edu
Klinman Lab	Eowyn Mader	642-7450	eowyn@berkeley.edu
Kumar Lab	Katherine Patterson	643-4191	kathmp94@berkeley.edu
Kuriyan Lab	Steven Jacques	642-4644	sjacques@berkeley.edu
Landry Lab	Ruby Nelson		rbynelson@berkeley.edu
Lee Lab	Seungwook Ji		mjgsw6280@berkeley.edu
Listgarten Lab	Jennifer Listgarten		jennifer.listgarten@gmail.com
Macro Lab	Chris Jeans	642-6445	c.jeans@berkeley.edu
Marletta Lab	Kim Houghton	642-8766	kimberly_houghton@berkeley.edu
Marqusee Lab	Brendan Maguire	666-2780	brendancmaguire@berkeley.edu
Martin Lab	Ken Dong	666-2766	k77dong@berkeley.edu
Merchant Lab	Anne Glaesener		aglaesener@berkeley.edu
Mofrad Lab	Erfan Ghazimirsaeed	664-4310	ghazimirsaeed@berkeley.edu
Moorjani Lab	Priya Moorjani		moorjani@berkeley.edu
NMR Facility	Jeff Pelton	666-2752	jgpelton@berkeley.edu
Nogales Lab	Jie Fang	666-3335	fangj@berkeley.edu
Park Lab	Sam Itskanov		samuel.itskanov@berkeley.edu
QB3 Institute	Thom Opal (DSC)	666-3307	opal@berkeley.edu
Schaffer Lab	Ruby Nelson	642-4923	rbynelson@berkeley.edu
Shekhar Lab	Salwan Butrus		salwan@berkeley.edu
Song Lab	Yun Song		yss@berkeley.edu
Streets Lab	Rodrigo Chaves		rchaves@berkeley.edu
Xu Lab	Alexander Choi		achoi45@berkeley.edu
Yildiz Lab	Andrew Hensley	647-5560	andrew.hensley@berkeley.edu
Zhang Lab	Colin Barber		cbarber@berkeley.edu

9. Building Evacuation Team (BET): Roll Takers, Floor Monitors, and Exit Monitors

A **Roll Taker** takes roll call for their respective work unit, at the EAA, after a building evacuation. A **Floor Monitor** alerts other occupants, urging them to evacuate immediately, on their way out of the building. An **Exit Monitor** take station outside building exits to prevent re-entry into the building prior to release of the building by emergency responders.

Safety Officers for each work unit act as *Floor Monitors* for their primary work area, as *Roll Takers* for their respective work unit, and as *Exit Monitors*, as detailed below. In addition, each

work unit must designate an employee to act as a back-up to the Safety Officer for these essential evacuation procedures. Safety Officers, their designated backups, the Stanley Hall Facilities Team, and a few other designated QB3 administrative staff comprise the **Stanley Hall Building Evacuation Team (BET)**. The Stanley Hall Facilities Team (Harry Stark, David Rogers and Thom Opal), Susan Marqusee, and Donna Hendrix are the **Core BET members**.

In event of an evacuation, signaled by audible or visible fire alarm (horn *or* strobe light), or by building alarm system announcement, the following procedures will be enacted. As occupants leave the building, BET members are expected to:

- Don BET gear (vest and hardhat), and take employee roster (on clipboard, by door)
- On the way out of the building, quickly sweep work area and common areas, urging all occupants to immediately exit the building. It is *not* your responsibility to force anyone to leave; simply urge them, and move on. Take note of any disabled occupants who have had to remain in a *designated waiting area*.
- Outside your nearest exit, coordinate with other BET members to decide which will become the Exit Monitor(s). See below for more detail on exit monitor procedures.
- Outside the building, urge building occupants to proceed to the EAA
- At EAA, take roll, using your work unit's employee roster
- Report any employees who are not accounted for, or building occupants who are known to have remained in the building, to a Core BET member
- Report any information known about event trigger to a Core BET member

Exit Monitors

The Exit Monitor role is necessary because the audible fire alarm may have been silenced by emergency responders while an active incident is still in progress. Safety Officers/BET members are expected to act as Exit Monitors, as needed. Only one or two Exit Monitors are necessary at each exit. If more than two BET members arrive at an exit, decide which will remain; all others should proceed to the EAA. Once emergency responders have cleared the building for re-occupation, Core BET members will communicate with Exit Monitors that it is safe to return to normal operations within the building.

- BET members from **floors 3-7** south stairwell/exit: take station outside the 2nd floor exit, on the south side of the building (near the East Gate). Or, if you exit from the north stairwell, take station outside the 3rd floor/Gayley Road exit, on the north side of the building, and also watch the nearby 2nd floor north exit.
- BET members from **floors 1 and 2** take station outside the loading dock door.
- BET members from **floors B1-B3** make sure everyone exits the B1 terrace, through the gated stairway.

10. Audible and Visible Alarms:

- a. Fire Evacuation Alarm: Horn with rising pitch, white strobe lights, and voice annunciator
When you hear (or see) the evacuation alarm, leave the building. Follow evacuation procedures, and assemble at the EAA to await further instruction.
- b. Elevator Alarm Sound: Bell
When you hear the elevator alarm, call University Police at 510-642-6760.
- c. Fire Alarm Control Panel (local: 100A/main entry way): high-pitched pulsing beep
- d. Oxygen Level Sensor near liquid nitrogen fill stations and NMR magnets (local: B307E, B307F, B307G, B304, B304B, 170, 224, 228, & 230A): Audible alarm, when oxygen level drops below 19.5%; evacuate room and get to fresh air.
- e. Refrigerant Leak Detector (local: B246 Chiller Room): Audible alarm and blue strobe light. In alarm, all occupants of room B246 must vacate the room immediately (the rest of the building may remain occupied). Alarm has three levels of detection, beginning at 20ppm of R-123; UCPD is automatically contacted at first level of alarm.
- f. Controlled Temperature Rooms (local: floors B1 and 2 through 7): Continuous, high-pitched tone.
- g. Carbon Monoxide Detector (local: 164/loading dock): Continuous, high-pitched tone.
- h. Diesel Overfill Protection Alarm (local: loading dock drive): Audible alarm and red light
- i. Sub-Surface Drain Pump (local: 174 and B315): continuous, high-pitched tone

11. Potential Fire Hazards:

The following are the potential fire hazards identified in this building:

- Combustible materials (e.g. paper, cardboard, wood, etc.).
- Flammable/combustible gases in laboratories or storage containers.
- Flammable/combustible solids in laboratories or storage containers.
- Flammable/combustible liquids in laboratories or storage containers.

Fire hazards are controlled by proper storage and housekeeping procedures.

12. Fire Prevention Procedures:

To prevent a fire, this building maintains a good housekeeping policy by storing flammable and combustible materials in an approved manner and avoiding accumulation of flammable and combustible materials in work areas and exit hallways.

The BC works with the Campus Fire Prevention Division at EH&S to ensure that there is no excess accumulation of flammable and combustible materials in this building.

Laboratory research occupants must present plans for new operations that pose significant hazards for approval by BC and possibly EH&S, prior to commencing these operations. Examples of such operations include:

- new chemical hazards,
- scaling up a prior chemical hazard process,
- fabrication of devices with exposed electrical leads, materials under pressure, stored mechanical energy such as springs, mechanical pinching or crushing potential, etc.

Custodial services are provided to this building by Facilities Services (sec. II-2d).

A schedule of custodial services in this building may be obtained by contacting Facilities Services. The BC also works with Facilities Services to maintain fire extinguishers, fire alarm systems, and fire sprinkler systems in this building.

13. Critical Operations Found in Building:

The following critical operation may require employees to remain in the building during an emergency:

Cryogen fill operations for NMR magnets in rooms B304, 224, or 244 require continuous attendance, with risk of magnet quench if operation is interrupted. Employees refreshing cryogenic fluids in a NMR must notify a member of the Stanley Hall Building Evacuation Team (BET) if personnel stay at the magnet during a building evacuation. The BET member will communicate with first responders, identifying the number of personnel, and their location in the building.

14. Medical and Rescue Duties for Employees:

No occupant has been assigned medical or rescue duties specific to emergency situations in this building. Employees may have volunteered and been trained for campus search and rescue or Disaster First Aid by OEM for campus disaster situations (e.g. a large earthquake). These volunteers will report to the specific department designated for field teams in a disaster.

II. IMPORTANT PHONE NUMBERS

Copy this page and post it near your work phone for easy reference.

1. Campus telephone numbers for life-threatening emergencies:

- a. From any office or campus public phone 911
- b. From your cell phone (510) 642-3333

2. Telephone numbers for non-life threatening emergencies:

- a. University Police (UCPD) (510) 642-6760
- b. EH&S (510) 642-3073
- c. Facilities Services (FS) (510) 642-1032
- d. FS: Custodial Services (510) 642-6515
- e. Medical Facilities

Tang Center Clinic, 2222 Bancroft Way (510) 642-2000
8:00 AM to 5:00 PM Monday – Friday
Schedule may vary.

Tang Center Urgent Care, 2222 Bancroft Way (510) 642-3188
8:00 AM to 5:00 PM Monday – Friday
9:00 AM to 5:00 PM Saturday
Closed Sundays and holidays

Advice Line (510) 643-7179
8:00 AM to 5:00 PM Monday – Friday

For summer hours, visit <http://www.uhs.berkeley.edu>.

Alta Bates-Summit Medical Center (510) 204-1303 (Emer. Room)
2450 Ashby Avenue
24 hours, 7 days a week

3. Where to Get Information During a Large-Scale Emergency:

- a. Campus emergency information line 1-800-705-9998
- b. Campus emergency web site <http://emergency.berkeley.edu>
- c. Campus radio station KALX 90.7 FM
- d. City of Berkeley emergency radio station 1610 AM

4. What to Do When You Hear Campus Warning Sirens:

Sirens are tested at *noon on the first Wednesday of each month*. If you hear the sirens at any other time:

- SHELTER: Go inside your office, a nearby building, or your car and shelter inside to avoid exposure.
- SHUT: Shut doors and windows. Building ventilation systems should be shut off if possible.
- LISTEN: Go to one of the information sources listed above for campus emergency information.

III. EMERGENCY PROCEDURES

1. Emergency Notification Procedures:

When you call 911 or any other emergency number to request emergency assistance, you will be connected to the Police Dispatch. Call from a safe location, remain calm and be prepared to give the dispatcher as much information about the emergency as you can (what the emergency is, where it is, if there are injuries and how serious, etc.) The dispatcher will ask questions so do not hang up until you are told to do so. The dispatcher may also give you instructions.

2. Medical Emergency:

If you are injured or have a medical emergency in the workplace, call 911 immediately if you are able. If you are unable to use the phone, verbally call for help. Anyone who hears you should summon help by calling 911.

If you witness an injury or medical emergency in the workplace, immediately assist the injured if it is safe for you to do so. Then call 911 as soon as possible from a safe location. Become familiar with emergency notification procedures (III-1).

3. Evacuation Procedures:

A building occupant is required by law to evacuate the building when the fire alarm sounds. There may be instances where the building would be evacuated without a fire alarm sounding. Evacuations may be signaled by audible fire alarm (horn) or visible fire alarm (strobe light), or by building alarm system announcement.

When evacuating your building or work area:

- Stay calm; do not rush or panic.
- Safely stop your work.
- If safe, gather your personal belongings; take prescription medications with you.
- If safe, close your office door and window, but do not lock them.
- Use the nearest safe stairs and proceed to the nearest exit. Do not use the elevator.
- Pay attention to emergency staff for additional evacuation instructions.
- Proceed to the designated EAA and report to your roll taker.
- Wait for any instructions from emergency responders.
- Do not re-enter the building until the emergency responders instruct you.

Appendix E contains a complete set of evacuation diagrams for this building. Look for the appropriate evacuation diagram(s) for your floor showing the directions for evacuation to the building exits. After you exit your building, proceed to the EAA. Note that most building egresses are located on the first floor of a building.

4. Fire Procedures:

A building occupant is required by law to evacuate the building when the fire alarm sounds.

- If you see a fire and the alarm is not sounding, immediately notify the fire department by pulling the hand pull at the alarm station. Call 911 from a safe location to provide details of the situation.

- If trained, able and safe (with a sure and safe exit), use a portable fire extinguisher to extinguish the fire. Evacuate if one extinguisher does not put out the fire.
- Otherwise, evacuate the building as soon as the alarm sounds and proceed to the EAA.
- On your way out, warn others.
- Use stairs only; do not use elevators.
- Move away from fire and smoke. Close doors and windows if time permits.
- Touch closed doors. Do not open them if they are hot.
- Enter the building only when instructed to do so by emergency responders.

5. Earthquake Procedures:

During an earthquake:

Inside the Building:

- Duck under the nearest sturdy object and hold onto it until the shaking stops. If you are not near a sturdy object, make yourself as small as possible and cover your head and neck.
- If you stand in a doorway, brace yourself against the frame and watch out for a swinging door or other obstruction.
- Avoid windows, filing cabinets, bookcases, and other heavy objects that could fall or shatter.
- Stay under cover until the shaking stops, then leave the building and go to the EAA or another designated location. Report to your roll taker.
- If safe, before evacuating, stabilize any laboratory procedure that could lead to further danger. (Example: turn off Bunsen burners or electrical equipment.)

Outside the Building:

- Move away from trees, signs, buildings, electrical poles and wires, fires, and smoke.
- Protect your head with your arms from falling debris.
- Proceed to the EAA or a pre-designated alternate assembly area. Report to your roll taker.
- Stay alert for further instructions.

6. Demonstration/ Civil Disturbance Procedures:

Most demonstrations are peaceful and if one is conducted near or in your building, carry on business as usual. Avoid provoking or obstructing demonstrators. Should a disturbance occur, call Police for assistance (sec. II).

If protestors enter your building, let them. Try to carry on business as usual. If the noise becomes too great, or the crowd too large, feel free to close and lock your office doors and/or windows - this is a departmental decision.

Do not close your building unless the Police advise you to. If it becomes necessary to evacuate, follow directions from Police. Proceed to the EAA and wait for additional instructions.

7. Criminal or Violent Behavior:

Assist in making your work location a safe place by being alert to suspicious situations or persons and reporting them as outlined below.

If you are the victim of, are involved in, or a witness to any violation of the law such as assault, robbery, theft, overt sexual behavior, etc. call Police (sec. II) as soon as possible. Follow notification procedures (sec. III-1). If safe, wait for Police to provide them with more information.

8. Explosion or Bomb Threat Procedures:

A suspicious-looking box, package, object, or container in or near your work area may be a bomb or explosive material. Do not handle or touch the object. Move to a safe area and call the Police immediately. Use a telephone in a safe area. Do not operate any power switches, and do not activate the fire alarm.

If there is an explosion:

- Take cover under sturdy furniture, or leave the building if safe and directed to do so by emergency responders.
- Stay away from windows.
- Do not light matches.
- Move away from the hazard site to a safe location.
- If instructed to evacuate, use the stairs only; do not use the elevators (Sec. III-2).

If you receive a bomb threat (via the telephone):

- Stay calm and keep your voice calm.
- Pay close attention to details. Talk to the caller to obtain as much information as possible.
- Write down the date and time of the call.
- Take notes. Pay attention to details. Ask as many questions as possible:
 - When will it explode?
 - Where is it right now?
 - What does it look like?
 - What kind of bomb is it?
 - Where did you leave it?
 - Did you place the bomb?
 - Who is the target?
 - Why did you plant it?
 - What is your address?
 - What is your name?
- Listen to the caller's voice. See if you can identify
 - Speech patterns (accent, tone)
 - Emotional state (angry, agitated, calm, etc.)
 - Background noise (traffic, people talking and accents, music and type, etc.)
 - Age and gender
- Write down other data:
 - Date and time of call
 - How threat was received (letter, note, telephone)

- Call the Police (sec. II) and relay the information from the bomb threat telephone call or bomb threat letter. Follow the Police's instructions.
- Check your work area for unfamiliar items. Do not touch suspicious items; report them to the Police.
- If you are told by emergency responders to evacuate the building, see "Evacuation Procedures" above (sec. III-2):

9. Hazardous Materials Release Procedures:

If a hazardous material is released or spilled near you and you are not a user nor knowledgeable about hazardous materials, call Police immediately and move away from the release area.

If you are a hazardous material user and you cause a release of a hazardous material, you should know the emergency procedures for cleaning up a hazardous spill. All hazardous materials users should be trained on proper use and storage of hazardous materials, including proper procedures for preventing spills and emergency procedures when a spill occurs. If you have not been trained and don't know what to do, leave the area and warn others. When you are at a safe location, call Police immediately.

10. Utility Failure:

In the event of a major utility failure, notify Facilities Services. Evacuate the building if the fire alarm sounds and/or upon notification by Police. Do not panic; evacuate in an orderly manner, proceed to the EAA and wait for further instructions.

11. Elevator Failure:

If you are trapped in an elevator, use the emergency telephone inside the elevator to call for assistance or press the elevator alarm inside the elevator to signal for help.

12. Flooding, Plumbing or Steam Line Failure:

If your building has a plumbing failure, a flood, or a steam line failure:

- Cease using electrical equipment.
- Evacuate the building if necessary and proceed to the EAA.
- Call Facilities Services if necessary.

13. Natural Gas Release or Leak:

If you smell natural gas:

- Cease all operations immediately.
- Do not operate light switches.
- Evacuate as soon as possible.
- Call Police and Facilities Services.

14. Ventilation Problem:

If you smell odors coming from the ventilation system:

- Immediately notify Facilities Services and EH&S.
- If necessary, cease all operations immediately.
- If necessary, evacuate the building and proceed to the EAA.
- If smoke is present, pull the fire alarm, then call Police from a safe location.

IV. EMERGENCY PREPAREDNESS

1. Evacuation:

For a more efficient evacuation from your building, become familiar with the evacuation diagrams posted near stairs and elevators on your floor. Appendix E in this BEP also contains floor diagrams showing your evacuation routes and your building exits. Become familiar with them and practice the evacuation process to enable you to safely leave your building in a real emergency. Your DSC and BC are available to answer any relevant questions or concerns you may have (see Section 1 for contact information). EH&S (510-642-3073) and OEM (510-642-9036) are also available to help.

2. Supplies:

Be prepared for emergencies. One thing you can do is keep an emergency kit in your work area that is easy to carry when evacuating the building.

The following supplies are recommended for your personal kit:

- Drinking water (1 gallon a day; 3 days' supply recommended)
- Food (keep airtight in pest-proof packaging)
- Flashlight and extra batteries
- Utility knife
- First aid kit with special personal needs such as prescription medication and glasses
- Sturdy, comfortable shoes and clean socks
- Emergency blanket or a standard blanket
- Light sticks
- Heavy duty work gloves
- Cash (some in quarters)
- Sanitation needs (such as tissue paper, small bottle of bleach, plastic bags, plastic bucket)
- Duct tape and barrier tape
- Large sheets of paper, markers, pens and pencils
- Whistle
- Campus and area maps

Replace items when expired, or necessary.

3. Training and Documentation:

Law requires training on the BEP. The DSC is responsible for training the department employees on the BEP and keeping training records. It is the responsibility of the occupant to become familiar with the BEP, to know evacuation routes and assembly areas, and to attend training(s) given by the Department of Emergency Management. As a supplement to the training, the BC posts information in the building for occupants and guests.

Other training recommended for building occupants includes CPR, first aid, and fire extinguisher training. An occupant interested in any safety training should see his/her DSC or

BC. Call OEM for more information on CPR and first aid training, and EH&S for fire extinguisher training,

4. Drills:

Building evacuation drills are optional for all campus buildings except residence halls. Consult your BC if you wish to have an evacuation or fire drill in your building. The BC is responsible for conducting the drill and documenting it. Obtain a copy of the documentation and submit it to your DSC. The campus Fire Prevention Division at EH&S can help in planning. Call EH&S for more information.

If you wish to become familiar with your evacuation routes, particularly in a large building, consult the evacuation diagrams on your floor and follow the routes of exit until you reach the EAA. You can also use the evacuation diagrams in Appendix E of this BEP. Should you experience difficulty locating your evacuation route, consult your DSC or BC. EH&S (510-642-3073) and OEM (510-642-9036) are also available to help resolve this issue.

5. Securing Building Contents:

Many earthquake-related injuries do not come from collapsing buildings, but from objects inside the building which fall on people, or from windows shattering and causing lacerations. Make sure that shelves, computers, wall hangings, and equipment are physically secured. In most cases, as a part of your department's General Safety Inspections required by the Injury and Illness Prevention Program, items listed below are checked. However, you may conduct your own inspection of your work area. If there are concerns after your self-inspection, contact your DSC or call EH&S or OEM.

The main things to look for are:

- Shelves or cabinets that are not bolted to the wall
- Computers or typewriters on desks
- Objects on shelves which may fall or turn into projectiles
- Freestanding objects that do not have a high enough base: height ratio to be "fall proof" (e.g., a filing cabinet over 4 feet tall)
- Desks or seating areas directly under plate glass windows
- Heavy hanging pictures, mirrors, or plants
- Cupboards or cabinets without secure "automatic" latches
- Objects on wheels which are not locked in one position (e.g., an audiovisual cart)
- Heavy items which are above head height.
- Doorways that might be blocked by falling objects

For more information about securing falling hazards, please contact your DSC, BC, or FS.

V. APPENDICES

Appendix A: Acronyms and Terms

<u>Acronym</u>	<u>Meaning</u>
BC	Building Coordinator
BEP	Building Emergency Plan
DSC	Department Safety Coordinator
EAA	Emergency Assembly Area
EMA	Emergency Management Area
EH&S	Environment, Health & Safety
FS	Facilities Services
IIPP	Injury and Illness Prevention Program
OEM	Office of Emergency Management

<u>Term</u>	<u>Definition</u>
Building Coordinator	A University employee who has a defined role in campus emergency/disaster preparedness: he or she prepares the BEP and serves as the communication liaison between campus service agencies and building occupants for specific circumstances enumerated in the BC position description.
Building Emergency Plan	A document which consists of emergency information and procedures, activities for preparing for emergencies, and roles and responsibilities of building occupants.
Building Safety Committee	A group usually composed of members of each department in the building, generally chaired by the BC, charged with building emergency preparedness and overseeing building safety concerns.
Department Safety Coordinator	A University employee who assists department management in coordinating, implementing, and documenting the department's safety program. This includes maintaining the department's IIPP, and ensuring department employees are trained on their BEP(s).
Department Safety Committee	A group composed of department representatives (preferably from each major unit in the department). If a department occupies different buildings, representatives from each building should be on the committee. The committee takes care of the department's health and safety issues and must meet quarterly as outlined in the campus IIPP.
EAA	A pre-designated safe location near a building where building occupants assemble and report to the roll taker(s) after evacuating the building.
EMA	EMAs are part of the overall campus disaster preparedness

program activated and used by emergency responders in major disasters. The campus is divided into 18 EMAs (See the map on the inside back cover of the campus telephone book for a list and location of EMAs.) An EMA can be a section of campus, an off-campus area, or a satellite area. Each EMA has a designated location (signified by red dots and numbers on the campus map) that will be the site of an incident command post and focus of activity (e.g., dissemination of information, administration of first aid, etc.) in a major disaster.

Emer. Operations Center (EOC)	The headquarters for designated representatives of campus essential services, where campus response is coordinated and resources are allocated during a disaster.
Emergency Responder(s)	Trained personnel who provide assistance in an emergency. They are not building occupants and may be from the University, Police, local fire departments, EH&S, FS, etc. In critical situations they may take charge of the building and have full authority over activities in and around the building.
Floor Monitor	A building occupant assigned to assist with a building evacuation during an emergency by alerting other occupants on their way out of the building.
IIPP	A department's written program for identifying and addressing workplace hazards. A main component is an active department safety committee.
Roll Taker	A building occupant assigned to take roll call at the EAA after a building evacuation.

Appendix B: University of California, Berkeley Evacuation Policy for People with Disabilities

The following guidelines have been adopted by the Berkeley campus to assist in planning for the evacuation of people with physical disabilities.

IN ALL EMERGENCIES, AFTER AN EVACUATION HAS BEEN ORDERED:

- Evacuate people with disabilities if possible.
- If immediate evacuation is not possible, shelter in a *designated waiting area* and notify emergency responders of the need for evacuation. Designated waiting areas are located in north and south stairwells. Refer to evacuation maps for exact locations.
- Do not use elevators, unless authorized to do so by police or fire personnel. Elevators could fail during a fire or a major earthquake.
- If the situation is life threatening, call 911.
- Check on people with special needs during an evacuation. A "buddy system", where people with disabilities arrange for volunteers (co-workers/ neighbors) to alert them and assist them in an emergency, is a good method.
- Attempt a rescue evacuation ONLY if you have had rescue training or the person is in immediate danger and cannot wait for professional assistance.
- Always ask someone with a disability how you can help BEFORE attempting any rescue technique or giving assistance. Ask how he or she can best be assisted or moved, and whether there are any special considerations or items that need to come with the person.

RESPONSES TO EMERGENCIES:

BLINDNESS OR VISUAL IMPAIRMENT

Bomb Threat, Earthquake, Fire, Hazardous Materials Releases, and Power Outages:

- Give verbal instructions to advise about the safest route or direction using compass directions, estimated distances, and directional terms.
- Do not grasp a visually impaired person's arm. Ask if he or she would like to hold onto your arm as you exit, especially if there is debris or a crowd.
- Give other verbal instructions or information (i.e. elevators cannot be used).

DEAFNESS OR HEARING LOSS

Bomb Threat, Earthquake, Fire, Hazardous Materials Releases, and Power Outages:

- Get the attention of a person with a hearing disability by touch and eye contact. Clearly state the problem. Gestures and pointing are helpful, but be prepared to write a brief statement if the person does not seem to understand.
- Offer visual instructions to advise of safest route or direction by pointing toward exits or evacuation maps.

MOBILITY IMPAIRMENT

Bomb Threat, Earthquake, Fire, and Hazardous Materials Releases:

- It may be necessary to help clear the exit route of debris (if possible) so that the person with a disability can move out or to a safer area.
- If people with mobility impairments cannot exit, they should move to a *safer area*, e.g.,
— landing within enclosed stairwell (designated waiting area)

- an office with the door shut which is a good distance from the hazard (and away from falling debris in the case of earthquakes)
- If you do not know the safer areas in your building, call the campus Fire Prevention Division at 510-642-3073 for a building survey.
- Notify police or fire personnel immediately about any people remaining in the building and their locations.
- Police or fire personnel will decide whether people are safe where they are and will evacuate them as necessary. The Fire Department may determine that it is safe to override the rule against using elevators.
- If people are in immediate danger and cannot be moved to a safer area to wait for assistance, it may be necessary to evacuate them using an evacuation chair or a carry technique.

Power Outages:

- If an outage occurs during the day and people with disabilities choose to wait in the building for electricity to be restored, they can move near a window where there is natural light and access to a working telephone. During regular building hours, BCs should be notified so they can advise emergency personnel.
- If people would like to leave and an evacuation has been ordered, or if the outage occurs at night, call Police at 510-642-6760 from a campus telephone to request evacuation assistance from the Fire Department.
- Some multi-button campus telephones may not operate in a power outage, but single-line telephones and pay telephones are likely to be operating. As soon as information is available, the campus emergency information line (510-642-4335) will have a recorded message stating when power is likely to be restored.

EMERGENCY EVACUATION OF PEOPLE WITH DISABILITIES:

Evacuating a disabled or injured person yourself is the last resort. Consider your options and the risks of injuring yourself and others in an evacuation attempt. Do not make an emergency situation worse.

Evacuation is difficult and uncomfortable for both the rescuers and the people being assisted. Some people have conditions that can be aggravated or triggered if they are moved incorrectly. Remember that environmental conditions (smoke, debris, loss of electricity) will complicate evacuation efforts.

The following guidelines are general and may not apply in every circumstance:

- Occupants should be invited to *volunteer* ahead of time to assist disabled people in an emergency. If a volunteer is not available, designate someone to assist who is willing to accept the responsibility.
- Volunteers should obtain evacuation training for certain types of lifting techniques through the Disabled Students' Program (D.S.P.).
- Two or more trained volunteers, if available, should conduct the evacuation.
- DO NOT evacuate disabled people in their wheelchairs. This is standard practice to ensure the safety of disabled people and volunteers. Wheelchairs will be evacuated later if possible.

- Always ASK disabled people how you can help BEFORE attempting any rescue technique or giving assistance. Ask how they can best be assisted or moved, and if there are any special considerations or items that need to come with them.
- Before attempting an evacuation, volunteers and the people being assisted should discuss how any lifting will be done and where they are going.
- Proper lifting techniques (e.g. bending the knees, keeping the back straight, holding the person close before lifting, and using leg muscles to lift) should be used to avoid injury to rescuers' backs. Ask permission of the evacuee if an evacuation chair or similar device is being considered as an aid in an evacuation. When using such devices, make sure the person is secured properly. Be careful on stairs and rest at landings if necessary.
- Certain lifts may need to be modified depending on the person's disabilities.

Summary:

Prepare occupants in your building ahead of time for emergency evacuations. Know your building occupants. Train staff, faculty, and students to be aware of the needs of people with disabilities and to know how to offer assistance. Hold evacuation drills in which occupants participate, and evaluate drills to identify areas that need improvement. Plans must cover regular working hours, after hours, and weekends. Everyone needs to take responsibility for preparing for emergencies. People with disabilities should consider what they would do and whether they need to take additional steps to prepare. "Emergency Guidelines for People with Disabilities" is available from your BC or DSC.

If you have questions about this campus policy or need additional information, contact one of the organizations below:

- Evacuation policies: OEM, 510-642-9036
- Student disability issues: Disabled Students' Program, 510-642-0518 (voice), 510-642-6376 (TTY / TDD)
- Fire regulations, safe areas: Campus Fire Prevention Division, EH&S, 510-642-3073

Appendix C: Emergency Preparedness Guidelines for People With Disabilities

Follow the guidelines on the "Emergency Info" poster or in the Evacuation Policy for People with Disabilities. In particular:

- Make your environment earthquake and fire safe (do not place heavy objects above where you sit or sleep, bolt bookcases to the wall, make sure your exit route is clear).
- Keep sufficient emergency supplies to last three days (include food, water, prescription medicines and any other supplies you might need).
- Become familiar with alternate evacuation routes, and *designated waiting areas*, in buildings you use frequently.
- Learn what may constitute a safe area in buildings you use frequently.

If the "Emergency Info" poster guidelines do not apply to you, develop other strategies for your protection. For example, if you use a wheelchair and cannot duck and cover under a table:

- Protect your head as much as possible.
- Move away from windows, filing cabinets, bookcases, light fixtures, and heavy objects that could shatter, fall, or tip over.
- Engage the electronic brake or wheel locks on your wheelchair.

Consider various disaster scenarios and decide ahead of time what you would do in different emergencies. For example, people with power wheelchairs should consider the following:

- In evacuations, it is standard practice to evacuate disabled people without their wheelchairs. Where should you be located while waiting for your wheelchair?
- Are there certain medications or support systems that you need?
- Do you have access to another wheelchair if yours cannot be evacuated?

Know your limitations and be aware of your needs in different emergencies.

If you need assistance, ask for it. People may not be aware of your circumstances or know how they can help.

Consider how people will give you emergency information and how you will communicate your needs if you have impaired speaking, hearing, or sight.

Consider arranging a buddy system with friends or colleagues so that someone will check with you, alert you as necessary, and see whether you need any assistance.

If you need to be evacuated, help yourself and rescuers by providing others with information about your needs and the best ways to assist you.

Appendix D: Campus Alerting and Warning System

The Alerting and Warning System (AWS) is a network of sirens and communication links that warn and inform the campus community of what to do in an emergency or disaster. This includes dangers resulting from natural or technical hazards such as chemical spills, flooding, fires, storms, power outages, transportation incidents, and other public safety incidents.

The campus has four hazard warning sirens strategically located to cover the main campus and adjacent campus facilities. The University of California Police Department activates these sirens. Depending on the incident, sirens and/or public address announcements may be transmitted over this system.

What do you do when you hear a warning siren?

- **SHELTER:** Go inside your office or residence, a nearby building, or your car and shelter inside to avoid exposure. If driving a car, safely pull over to the side of the road, turn off the engine and stay tuned.
- **SHUT:** Shut all doors and windows. Building managers should turn off ventilation systems, if feasible.
- **LISTEN:** Access one the following sites to obtain campus emergency information, such as disaster type, evacuation routes, shelter and aid locations, special instructions, etc.
- **Emergency Information Line:** 1-800-705-9998. This out-of-area number allows recorded messages to be accessed by any standard, cell or pay phone, free of toll charges. Information about the emergency is recorded as an outgoing message, and is updated as the situation evolves.
- **Web Site:** <http://emergency.berkeley.edu>. This off-site alternate emergency web presence is reachable anytime, from anywhere. Like the 800 service, local area power failures or other crisis conditions will not affect the operation of this web site.
- **Radio Station:** KALX 90.7 FM. The campus radio station, broadcasting at 500 watts, will be utilized to disseminate emergency information during critical incidents and disasters. KALX normally broadcasts live 24 hours a day. KCBS (740 AM), KGO (810 AM), and KNBR (680 AM) also carry Bay Area emergency information.

DO NOT CALL 911 IF YOU HEAR A WARNING SIREN. ONLY CALL 911 IF YOU HAVE A LIFE-THREATENING EMERGENCY.

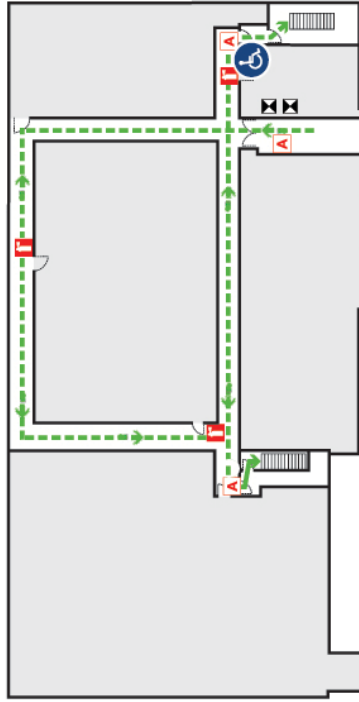
Since disasters are unpredictable, one must be prepared for an emergency whether at home, at work, at school, or in the car. Think about places where you spend your time and how you can best prepared for an emergency at any given location and time. It is wise to keep a battery operated AM/FM radio and extra sets of batteries at home, at work, and in your car.






Emergency Assembly Area (EAA) Mining Circle Lawn



STANLEY HALL

EVACUATION PLAN



-  Fire Extinguisher
-  Fire Alarm Pull
-  Exit Path
-  Elevators
-  Designated Waiting Area

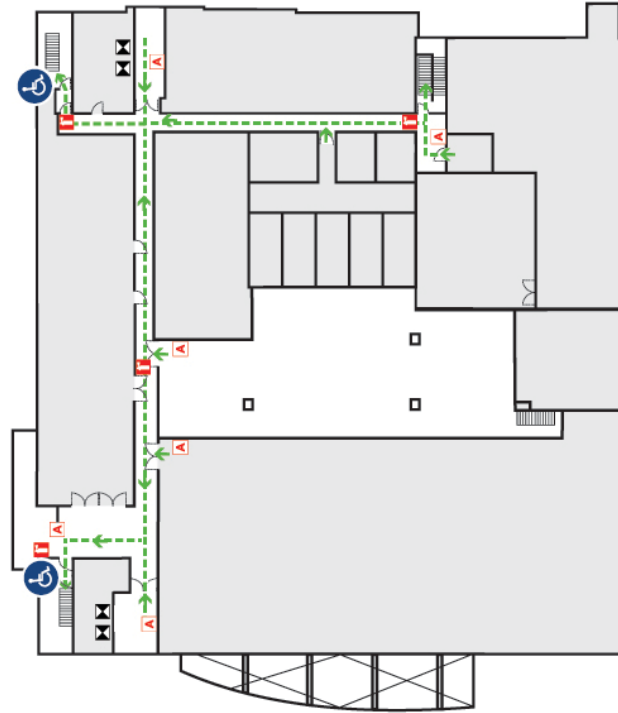
In case of fire, use stairway for exit.
Do not use elevators.

Fire Alarm will give evacuation instructions.
Strobe lights will flash. Public address
system will be used for announcements.

LEVEL B3

CALL **911** FIRE / POLICE / MEDICAL
OR **15101 642-3333** FROM YOUR CELL PHONE

STANLEY HALL EVACUATION PLAN



-  Fire Extinguisher
-  Fire Alarm Pull
-  Exit Path
-  Elevators
-  Designated Waiting Area

In case of fire, use stairway for exit. Do not use elevators.

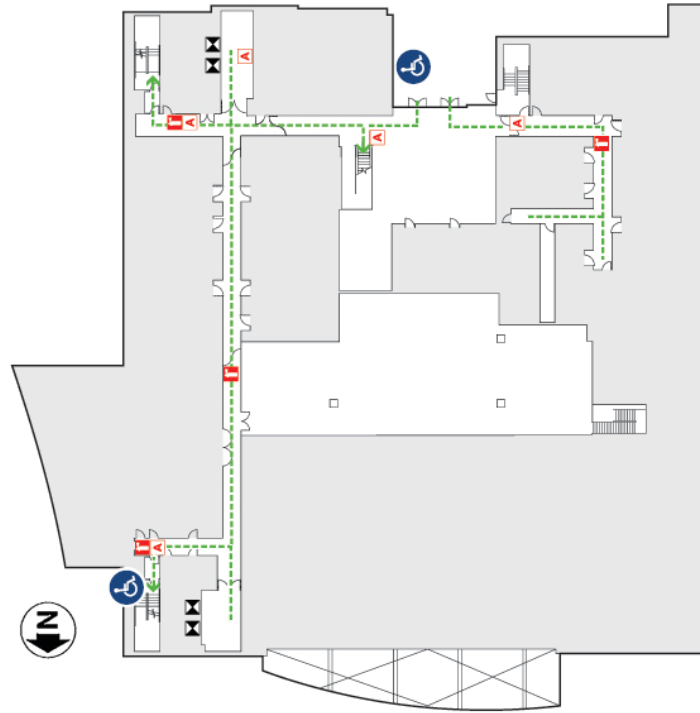
Fire Alarm will give evacuation instructions.
Strobe lights will flash. Public address system will be used for announcements.

LEVEL B2

CALL **911** FIRE / POLICE / MEDICAL
OR (510) 642-3333 FROM YOUR CELLPHONE



STANLEY HALL EVACUATION PLAN



- You Are Here
- Fire Extinguisher
- Fire Alarm Pull
- Primary Exit Path
- Exit Path
- Elevators
- Designated Waiting Area

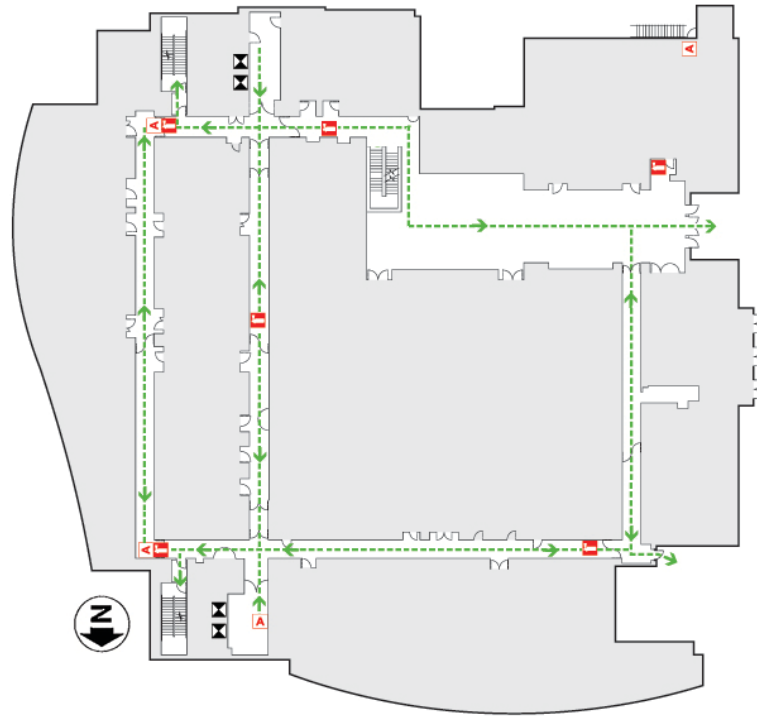
In case of fire, use stairway for exit.
Do not use elevators.

Fire Alarm will give evacuation instructions.
Strobe lights will flash. Public address system will be used for announcements.

LEVEL B1

CALL **9-911**
FIRE / POLICE / MEDICAL
OR (510) 642-3333 FROM YOUR CELL PHONE

STANLEY HALL EVACUATION PLAN



- Fire Extinguisher
- Fire Alarm Pull
- Exit Path
- Elevators

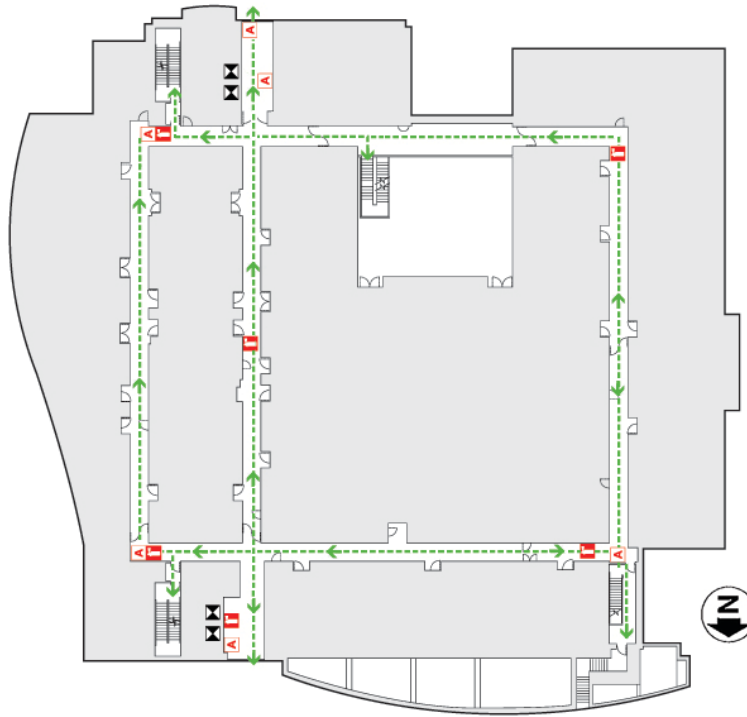
In case of fire, use stairway for exit.
Do not use elevators.


Fire Alarm will give evacuation instructions. Strobe lights will flash. Public address system will be used for announcements.

LEVEL 1

CALL 911
FIRE / POLICE / MEDICAL
OR (510) 642-3333 FROM YOUR CELL PHONE

STANLEY HALL EVACUATION PLAN



-  Fire Extinguisher
-  Fire Alarm Pull
-  Exit Path
-  Elevators

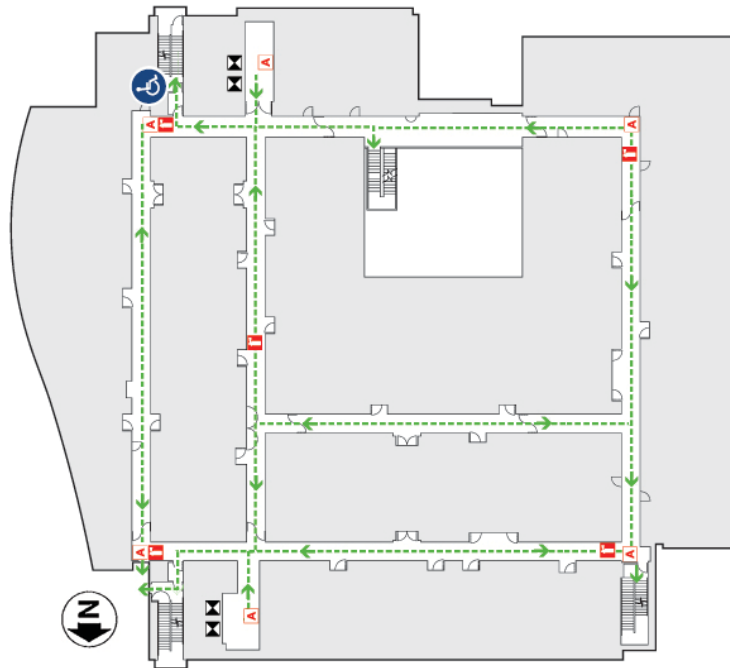
In case of fire, use stairway for exit.
Do not use elevators.

Fire Alarm will give evacuation instructions. Strobe lights will flash. Public address system will be used for announcements.

LEVEL 2

CALL **911**
FIRE / POLICE / MEDICAL
OR (510) 642-3333 FROM YOUR CELL PHONE

STANLEY HALL EVACUATION PLAN



-  Fire Extinguisher
-  Fire Alarm Pull
-  Exit Path
-  Elevators
-  Designated Waiting Area

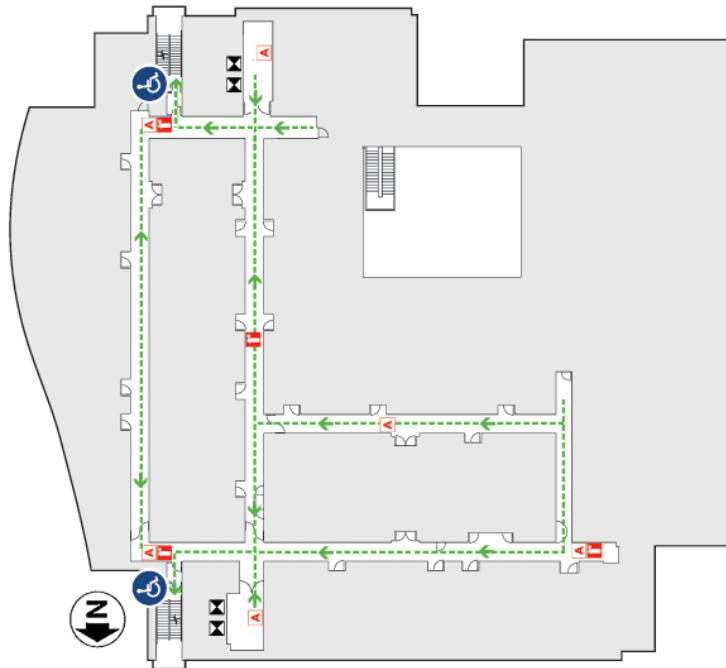
In case of fire, use stairway for exit.
Do not use elevators.

Fire Alarm will give evacuation instructions. Strobe lights will flash. Public address system will be used for announcements.


LEVEL 3

CALL 911
FIRE / POLICE / MEDICAL
OR (510) 642-3333 FROM YOUR CELL PHONE

STANLEY HALL EVACUATION PLAN



 Fire Extinguisher

 Fire Alarm Pull

 Exit Path

 Elevators

 Designated Waiting Area






In case of fire, use stairway for exit.
Do not use elevators.

Fire Alarm will give evacuation instructions. Strobe lights will flash. Public address system will be used for announcements.

LEVEL 4

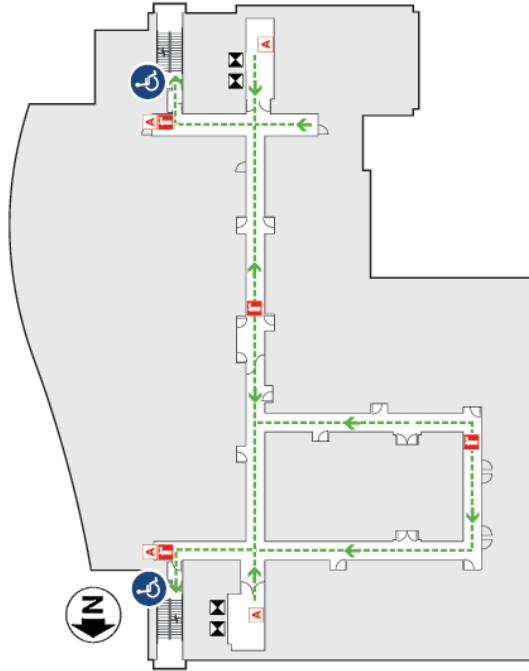
CALL **911**
FIRE / POLICE / MEDICAL
OR (510) 642-3333 FROM YOUR CELL PHONE

STANLEY HALL EVACUATION PLAN

-  Fire Extinguisher
-  Fire Alarm Pull
-  Exit Path
-  Elevators
-  Designated Waiting Area

In case of fire, use stairway for exit.
Do not use elevators.

Fire Alarm will give evacuation instructions. Strobe lights will flash. Public address system will be used for announcements.



LEVEL 5

CALL 911
FIRE / POLICE / MEDICAL
OR (510) 642-3333 FROM YOUR CELL PHONE

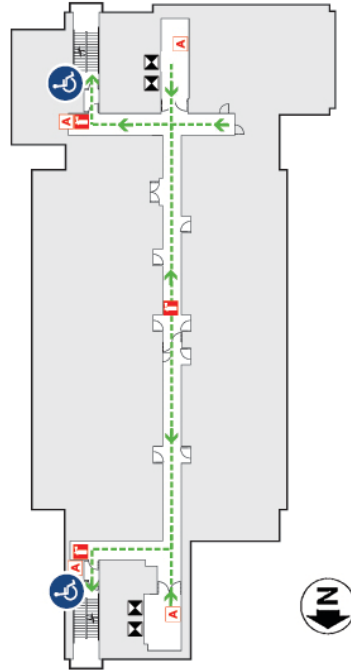
STANLEY HALL EVACUATION PLAN

-  Fire Extinguisher
-  Fire Alarm Pull
-  Exit Path
-  Elevators
-  Designated Waiting Area

In case of fire, use stairway for exit.
Do not use elevators.

LEVEL 6

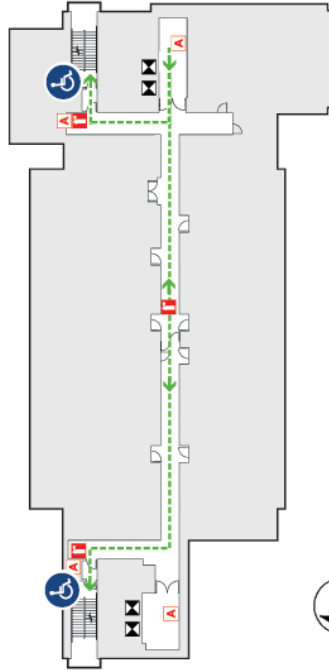
CALL 9-911
FIRE / POLICE / MEDICAL
OR (510) 642-3333 FROM YOUR CELL PHONE



Fire Alarm will give evacuation instructions. Strobe lights will flash. Public address system will be used for announcements.

STANLEY HALL EVACUATION PLAN

In case of fire, use stairway for exit.
Do not use elevators.



Fire Alarm will give evacuation instructions. Strobe lights will flash. Public address system will be used for announcements.

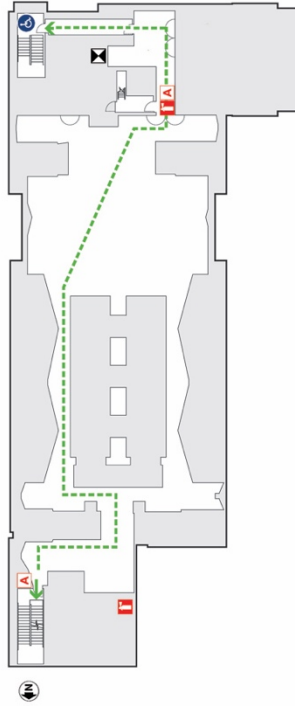
-  Fire Extinguisher
-  Fire Alarm Pull
-  Exit Path
-  Elevators
-  Designated Waiting Area

LEVEL 7

CALL 911
FIRE / POLICE / MEDICAL
OR (510) 642-3333 FROM YOUR CELLPHONE

STANLEY HALL EVACUATION PLAN

In case of fire, use stairway for exit.
Do not use elevators.



Fire Alarm will give evacuation instructions. Strobe lights will flash. Public address system will be used for announcements.

-  Fire Extinguisher
-  Fire Alarm Pull
-  Exit Path
-  Elevators
-  Designated Waiting Area

LEVEL 8

CALL **911**
FIRE / POLICE / MEDICAL
OR (510) 642-3333 FROM YOUR CELL PHONE

QB3 – Stanley Hall
Basic Safety Training Acknowledgement

I acknowledge that I have read the Stanley Hall *Building Emergency Plan* (BEP), and I am familiar with its contents. I also understand that I may clarify any related questions or concerns by contacting the QB3 Department Safety Coordinator, Thom Opal (opal@berkeley.edu; 666-3307).

Name (print)	Signature	Date	PI/Lab or Workgroup	Email Address
--------------	-----------	------	------------------------	---------------

Note - the BEP document may be viewed on-line at
<http://qb3.berkeley.edu/stanley-hall-facilities-support/>