

| | | | | | | | | | | | | | 2017 | | | |
|--|------------------------------|------------------------------|----------------------------------|--------------------------------|----------------------------------|--------|-----------------------|----------|------------------|-------|------------------------------|---------------|-------------|--|--|--|
| BUILDING MAIN | NTENANCE | | SAFE OPERATING GUIDELINES | | | | | | | | | | | | | |
| | HAZAI | RD POTENTI | AL EVALUATION | | | ER | GONOMI | CS ASS | ESSM | ENT | | | | | | |
| | ⊠Struck By | D | ☑Weather Conditions | ⊠Lifting | L M F 🗵 Walking L M F 🗵 Kneeling | | | | | | | | м | | | |
| | Struck Aga | ainst 🛛 🖸 | ☑Hazardous Substance | e 🗵 Carrying | | L M | F 🗵 Sta | nding | LM | F | □Hearing/Noise | L | м | | | |
| | ⊠Slip/Trip/F | Fall 🛛 | Electrical Hazards | ⊠Reaching A | bove Shoulder | L M | F 🗵 Sitt | ing | L M | F | ⊠Climbing Stairs | L | м | | | |
| | ⊠Caught In/ | | ☑Obstruction/Confine | | | L M | | | L M | F | - | rs L | м | | | |
| | ⊠Material H | Handling 🛛 🖸 | ☑Equipment Operating | g 🛛 🖾 Pulling han | d over hand | L M | F 🗵 Tw | isting | L M | F | 1 | L | м | | | |
| | HIRAC | 1 | 2 3 4 | 区Dual Grasp | | L M | F 🗵 Pus | shing | L M | F | ⊠Repeated Moti | on L | м | | | |
| TRAINING REQUIREMENTS | | | | | | | | | | | | | | | | |
| GENERAL CAMPUS DEPARTMENT SPECIFIC SPECIALTY | | | | | | | | | | | | | | | | |
| | | | | | | | | | S. |) | | (| | | | |
| Cal Maritime EHS P | ocket Guide | Emergency | Department | Authorized Driver | Ergonomics | | Basic | Marine | e Progra | ims | T.S. Golden Bear | As Ide | | | | |
| I A O H I | | Response Guide | I A O H | I A O H | RMI Prevention | | d/CPR/AED | | 0 | Н | I A O H | I A | rmined | | | |
| | | | E UNLESS YOU HAVI | | | | | | 1 | | | | | | | |
| | | | PER | SONAL PROTE | CIVE EQUIPMI | ENT | | | | | | | | | | |
| | | | | H | | | 2 | | |) | (F) | | | | | |
| Еуе | Foot | Hand | Hearing | Body | Head | Resp | iratory | | Fall | | Face Shield | ОТ | HER | | | |
| | | Protection | Protection | Protection | Protection | | ection | | tectio | | | | | | | |
| · | U U | Vhen hands are | | When exposure | Where there is a | | ay be | | there | | Face shield can | | tiona | | | |
| ' | reas where | exposed to | to a time | to: Intense heat, | potential for | | uired if | | of fallir | - | be used over | PPE | E per | | | |
| | | hazards such as | 0 | hot metals, | injury to the | | ioval of | | a heig | | the glasses if | | uired | | | |
| | 0 | hose from skin | average noise level of 85 dBA | other hot liquids | head from | | aminants n the air | 0 | ter tha t GSO | n | there is a presence of a lot | NFP/ | A 70E | | | |
| | ries due to ng or rolling | absorption of harmful | or higher over | Impacts from materials that | falling objects and/or when | - | not fall | | t CSO | | of flying debris. | classif | ficatio | | | |
| , | bjects, or | substances; | an 8 hour work | can cut, burn | there is a risk of | | elow | - | t MSO | | or frying debris. | | | | | |
| | • | severe cuts or | shift. | Hazardous | impact to head | - | nissible | | n worki | ng | | | | | | |
| | sole, or will | lacerations; | Sint. | chemicals | | | ure level. | | onfine | - | | | | | | |
| • • • | otect the | severe | | Or potentially | | chpos | ure leven | | pace | 4 | | | | | | |
| | offected | abrasions; | | infectious | | | | | puce | | | | | | | |
| radiation | | punctures; chemical burns | | materials | | | | | | | | | | | | |
| | | | STOP WORK IMME | DIATELY-REVIEW | WITH SUPERVISC | DR-DOC | UME <u>NT H</u> | AZARD- | REVIE | w w | ITH SRM | | | | | |
| Ergonomic | (L) Low <2hrs | (M) Moderate | 2-5hrs (F) Frequent >5 | hrs per 8-hours | Training | (I) Ir | itial (A) Ar | nual Rej | fresher | (0) (| Ccasion/Post Incide | nt (H) Ha | azard | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | _ | | | | | | |
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| | | | GENERAL CAMPUS | S SA | FE OPERATING PROCEEDURES | | | | |
|----|--|---|--|----------------|--|--|--|--|--|
| | WORK DUTIE | S | HAZARD POTENTIAL | | HAZARD CONTROLS & PROTECTION MEASURES | | | | |
| 1 | Use of office equipment Electrocution, electrical shock, bruising and miscellaneous injuries | | | | Ensure all electrical equipment is properly grounded. (i.e. three prong electrical plugs) a in proper working order before using. Strictly follow all manufactures precautions and recommendations. DO NOT overload circuits by stringing multiple power strips (also known as daisy chaining the power strips) and the properties of th | | | | |
| 2 | Using ladders or step-ladders | 用 | Ladder collapsing; Slipping and falling from ladder | 合法 合法 合法 合法 | Inspect ladder before use. Use ladder at proper height. Make sure the ladder in assembled, locked and on level ground. DO NOT exceed weight limit for ladder. DO NOT stand on the top or top rung of ladder and make sure a co-worker is holding ladder if any higher than a step-ladder. | | | | |
| 3 | Work Station | <u> </u> | Muscle-skeletal disorders, eye/body strain and fatigue | frie frie frie | Ensure workstation is ergonomically correct for the person using the workstation. Ensure proper lighting so that there isn't a glare in order to prevent eye strain. Review phone placement and accessories so that operator is sitting square and limiting excessive head/neck tilt in order to prevent neck strain | | | | |
| 4 | Office Furniture | | Falling objects | fer fer | Ensure all doors and drawers are fully secured. Do not overload shelves. Ensure bookcases are seismically strapped/secure to wall to prevent tipping over. | | | | |
| 5 | Walking in offices, buildings hallways and stairs | AND | Slips, trips and falls | AN AN | Ensure all walking and working surfaces have been properly maintained, properly lit, are free of debris and remove potential tripping hazards. Use handrails when using stairs. A Note: No opened toed footwear is allowed in food operations A Note: No opened toed footwear is allowed on T.S. Golden Bear | | | | |
| 6 | Campus Construction Activities | | Pedestrians knocking over ladders or lights or bumping into worker; pedestrians getting hit with equipment or falling tools, etc. | Rie Rie | Always be aware of surroundings. Stay away from construction zones. | | | | |
| 7 | Working outside in Weather | | Heat stroke, heat exhaustion, frostbite | 6ª | Dress appropriately for the weather, keep hydrated, and take necessary breaks when needed | | | | |
| 8 | Heaving lifting and reaching | <u>A</u> | Overexertion, strains and sprains | લ્લ દેલ | Use proper lifting techniques, limit duration of repetitive motion. Always know your weight limit, lift with your legs, get help if needed. Use step ladders when lifting objects above shoulder height. | | | | |
| 9 | Campus | 次次 | Personal safety and security | 合居 合居 | Always be aware of your surroundings. Changing weather conditions can increase slip hazards throughout the campus | | | | |
| 10 | Operating university vehicles | | Motor vehicle accident, striking a pedestrian or bicyclist | An An An | Inspect vehicles before use. Use seat belts. Travel at safe speed for conditions. Stay alert for pedestrians, other vehicles, and objects in travel path. | | | | |

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| | POSITION SPECIFIC SAFE OPERATING PROCEEDURES | | | | | | | | | | |
|---|---|------------|--|-----------------|--|--|--|--|--|--|--|
| | WORK DUTIE | S | HAZARD POTENTIAL | | HAZARD CONTROLS & PROTECTION MEASURES | | | | | | |
| 1 | Working in /around air handlersInhalation of dust, dust or foreign objects in eyes, fiberglass irritation | | | | Wear dusk mask and safety mask. | | | | | | |
| 2 | Equipment Maintenance | | Electric shock, parts shooting and striking worker, getting caught in equipment, cuts from sharp edges | Pie Pie Pie | Shut off any power source before working. Have appropriate PPE per NFPA 70E classifications Insulated tools are required when working on electrical system or equipment | | | | | | |
| 3 | Working with Power Tools | | Cuts, abrasive, electric shock, injury form flying debris, tripping over power cords, electrocution | Fie Fie Fie Fie | Wear goggles and dust musk if applicable. Keep cords away from work area. Keep tools in good condition. Inspect tools before use. Verify that guards are working properly. DO NOT put hand near blades. Make sure you have a good center of gravity and maintain control at all times | | | | | | |
| 4 | Using hand tools | × | Cuts, pinches, smashes, punctures, severing of fingers. | Fie Fie Fie | Keep tools in good condition. Inspect tools before use. Wear safety glasses. Work away from yourself. Use normal caution required for all hand tools. | | | | | | |
| 5 | Changing light bulbs and glass lenses of light fixtures | | Getting cut on glass or sharp edges. | €k | Handle with caution. Wear gloves. | | | | | | |
| 6 | Working on roofs | | Slipping and falling, high winds, getting stranded on roof if working alone | €k | Walk carefully not too close to the edge. If possible avoid working on really windy or wet/icy days. Keep doors propped open with a 2-way radio. | | | | | | |
| 7 | Using scaffolding | | Scaffolding collapsing, slipping/falling from scaffolding | Ф _к | Inspect all equipment before using and make sure it is assembled correctly and all wheels are locked. Use safety rails and a safe way down | | | | | | |
| 8 | Using ladders or step-ladders | ≈ ∄ | Ladder collapsing; Slipping and falling from ladder | Rk. | Inspect ladder before use. Use ladder at proper height. Make sure the ladder in assembled, locked and on level ground. DO NOT exceed weight limit for ladder. DO NOT stand on the top or top rung of ladder and make sure a co-worker is holding ladder if any higher than a step-ladder. | | | | | | |
| 9 | Working in mechanical rooms | | Explosions from gas lines; burns from steam, hot water lines; slipping on water or oil; tripping over materials being stored; loud noise | Fre Fre | Be aware of odors and evacuate if you smell gas; be aware of your surroundings, Clean up any standing liquid on floor; walk carefully; wear earplugs if needed. | | | | | | |

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| 10 | Working in confined space Working around | | Lack of oxygen or overexposure to methane gas Electric Shock, Electrocution | Rie Rie | Before working in confined area, verify that it is safe by monitoring air (get confined space permit as required). While working, always ventilate area using fan. Always have at least one person outside confined area to monitor safety of those working inside. Shut off power to work area. Use lock-out device to ensure power is not inadvertently |
|----|---|------------|---|-------------------|--|
| 11 | electricity | | | ý | switched on. Always test before beginning work to verify that power is not inadvertently and other metals from body. If you must work with electricity on, wear safety glasses and leather gloves per NFPA 70E classifications. Have coworker with you in case there is a problem. If work area is wet, clean up standing water before working with electricity; wear rubber boots and gloves. |
| 12 | Working in area of pedestrian traffic. | · <u>×</u> | Pedestrians knocking over ladders or lights or bumping into worker; pedestrians getting hit with equipment or falling tools, etc. | 6 ¹ /4 | Always be aware of surroundings |
| 13 | Working outside in extreme temperatures | | Heat stroke, heat exhaustion, frostbite | щ | Dress appropriately for the weather, keep hydrated, and take necessary breaks when needed |
| 14 | Heavy lifting | | Use proper lifting techniques, limit duration of repetitive motion. | frie frie frie | Always know your weight limit, lift with your legs, get help if needed. Limit duration of repetitive motion. If two Person Lift-ensure communication and path are clear to prevent strain/sprain |
| 15 | May work with materials containing asbestos | | Could cause possible health issues if inhaled or ingested | An An | Never disturb materials containing asbestos unless properly trained. Always use appropriate exposure control methods and wear designated PPE |
| 16 | Operating University Vehicles | | Motor vehicle accident, striking pedestrian or bicyclists | fek | Inspect vehicle before use. Use seat belts. Stay alert for pedestrians, other vehicles and objects in path. Ensure cargo is secured. Ensure vehicle cab is clean free from material or debris that can shift during operation and impact the driver or passenger. |
| 17 | Working with steam heat, hot water pipes | ¢ | Severe burns, inhalation of steam | fre fre | Whenever possible, shut off steam in work area several hours before beginning job. Look at gauges before beginning work to verify that they are working properly Be aware of steam leaks. Drain systems and/or pump before working on them. Release pressure slowly by nicking pipe. Pull out pump slowly and put a barrier between you and the pump to protect against steam and hot water. |
| 18 | Working with pneumatic parts | Ē | Getting sprayed with hot or cold water, steam, refrigerates. Injuries from shooting parts | €Þ¢ | Slowly open valves to release pressure and wear safety glasses |
| 19 | Storing or transporting compressed gas cylinders | \land | Explosion of compressed gas, rupture of valve | Ŕ. | DO NOT allow cylinder valve or the regulators to come in contact with grease, oil or other lubricants. Always install a protective valve cover and secure cylinders to a stand or wall. Wear proper PPE |

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| 20 | Soldering and brazing using oxygen/acetylene | | Explosion, burns, fumes | | | on of | f | ٹ ا ٹ ا | DO NOT solder around flar Use correct solder for the j fire watch | or leaks prior to using, work in well ventilated areas. mmable materials. Wear proper PPE and burn away from yourself. job. Complete hot work permit and have a person standing by for |
|----|--|-----------------|--------------------------------------|----------|--------|--------|---------------|----------------|--|--|
| | Starting up and operating chillers | | While turning on operating valves | - | | king | | | Take time to open the valv Wear proper PPE, especial | |
| 21 | operating entirers | | gauges may have | e pot | entia | al for | r | | | , 50.05 |
| | | | overexertion, ba | ck st | rain, | burı | n | -% | | |
| 22 | | | | | | | | Ť | | |
| | | | | | | | | ₩ ^k | | |
| 23 | | | | | | | | | | |
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| 24 | | | | | | | | ¥ | | |
| | | | | | | | | | | |
| | CORE E | | REQUIREMENTS | | 1 | | | | | ADDITIONAL NOTES |
| | | Fall Protection | | 1 | Α | 0 | Н | | | |
| | | Elevated Work | | I | Α | 0 | н | | | |
| | | Personal Prote | ection Equipment | 1 | Α | 0 | н | | | |
| | | Hand & Power | r Tool | 1 | Α | 0 | н | | | |
| | | Lockout/Tago | ut (LOTO) | 1 | Α | 0 | Н | | | |
| | | Hazard Comm | unication | 1 | Α | 0 | н | | | |
| | | Fire Extinguish | ier | I | Α | 0 | н | | | |
| | | Basic First Aid | /CPR/AED | Re | com | nenc | ded | | | |
| | | | | ORK | IMN | /IEDI | ATE | LY-RE\ | VIEW WITH SUPERVISOR-I | DOCUMENT HAZARD-REVIEW WITH SRM |
| | EME | RGENCY RESP | PONSE | | | | | | | HOUSEKEEPING & SECURITY |
| 1 | First Aid Kit | Located in | n buildings | | | | 1 | Is the | work area/site Clean? | Ensure work area is clean daily and that any hazardous materials |
| | | | | | | + | \rightarrow | | 1 1 1 2 2 | are properly disposed of daily |
| 2 | AED | Located in | n all main buildings | 5 | | | 2 | Is the | work area/site Secure? | Ensure lights are turned off and building is locked upon exiting |
| | Free eveneses and the set | | | 11 - | . 04 4 | + | -+ | | | work for the day. |
| 3 | Emergency phone | | Police- 707-654-112 | | | - 3 | 3 | | | |
| 4 | Evacuation | | d on Facility & Eme | | | | | | | |
| | REMINDER: IMMEDI | ATELY REPOR | I ALL INCIDENTS, F | KEGA | RDL | ESS | OF S | EVERI | IY, TO YOUR SUPERVISOR | R AND THE DEPARTMENT OF SAFETY & RISK MANAGEMENT. |

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