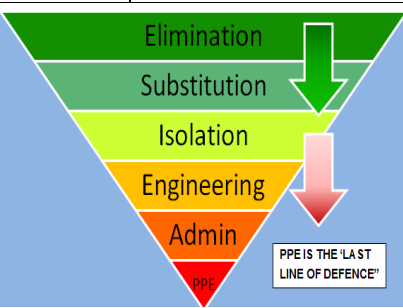


SJD ELECTRICAL PTY LTD - ABN 53 127 802 608 - ACN 127 802 608 - ELECTRICAL LICENCE 68608 - QBCC LICENCE 1270514 - ARC LICENCE AU19801 - MOLEX LICENCE CIAU3372

<b>Safe Work Method Statement Title: SWMS: 021 INSTALLATION OF EQUIPMENT RACKS</b>			<b>Date Created:</b> 00/00/16
<b>Project Name:</b>	<b>Person responsible for ensuring compliance with this SWMS:</b>		<b>Review Date:</b> 00/00/17
<b>Project/Client:</b>	<b>Job No:</b>	<b>Authorised By:</b>	<b>Revision No. 0</b>

<b>Licences, Permits, Competencies Required: (tick items relevant to this task and site)</b>				
<input type="checkbox"/> Confined Space	<input type="checkbox"/> Work at Heights	<input type="checkbox"/> Excavation	<input type="checkbox"/> Hot Work	<input type="checkbox"/> Radiation
<input type="checkbox"/> White Card	<input type="checkbox"/> EWP	<input type="checkbox"/> Electrical License	<input type="checkbox"/> Rescue and Resuscitation	<input type="checkbox"/> Network Access
<b>Common Hazards to Manage: (tick items relevant to this task and site)</b>				
<input type="checkbox"/> Manual handling	<input type="checkbox"/> Working at Heights	<input type="checkbox"/> Risk of Electric Shock	<input type="checkbox"/> Slips, Trips and Falls	<input type="checkbox"/> Housekeeping

HAZARD CLASSIFICATION MATRIX POSSIBLE RESULTS Risk = Consequence x Likelihood			Probability				
			RARE A	UNLIKELY B	POSSIBLE C	LIKELY D	ALMOST CERTAIN E
Consequences	Catastrophic	5	Medium (M)	High (H)	High (H)	Extreme (E)	Extreme (E)
	Major	4	Medium (M)	Medium (M)	High (H)	High (H)	Extreme (E)
	Moderate	3	Low (L)	Medium (M)	High (H)	High (H)	High (H)
	Minor	2	Low (L)	Low (L)	Medium (M)	Medium (M)	High (H)
	Insignificant	1	Low (L)	Low (L)	Low (L)	Medium (M)	Medium (M)



RISK RATING	ACTION REQUIRED (ALARP – As Low As Reasonably Practicable)
E = Extreme, UNACCEPTABLE	Intolerable risk. Activity must not be undertaken prior to Management / CEO review of potential risk mitigation measures and a decision that risk is ALARP
H = High risk, Only acceptable if ALARP	Implement strict control measures to reduce risk to an acceptable level. Activity must continue until the level of risk is reduced to <b>As Low As Reasonably Practicable (ALARP)</b> and preferably Medium rating. Operations Manager and/or Project Supervisor approval of the risk controls is required.
M = Medium risk Undesirable	Specify, document and implement existing risk controls and additional management actions to reduce the risk to <b>ALARP</b> and <u>preferably Low rating</u> . Activity must not continue without Operations Manager and/or Project Supervisor approval.
L = Low risk, Tolerable	Tolerable risk. Carry out activity

Basic PPE to be used	 <small>HEARING AND EYE PROTECTION MUST BE WORN</small>	 <small>SAFETY GOGGLES MUST BE WORN</small>	 <small>FACE SHIELD MUST BE WORN</small>	 <small>SAFETY VEST MUST BE WORN</small>	 <small>HARD HAT AREA</small>	 <small>HALF FACE MASK RESPIRATOR MUST BE WORN</small>	 <small>BREATHING APPARATUS MUST BE WORN</small>	 <small>DUST MASK MUST BE WORN</small>	 <small>HAND PROTECTION MUST BE WORN</small>	 <small>FOOT PROTECTION MUST BE WORN</small>	 <small>FALL ARREST EQUIPMENT MUST BE USED</small>	 <small>PROTECTIVE CLOTHING MUST BE WORN</small>
✓ app												
<b>Other PPE:</b>												

<b>Safe Work Method Statement Title: SWMS: 021 INSTALLATION OF EQUIPMENT RACKS</b>
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Job Task #	Job Step	Potential Health, Safety and Environmental Hazards	PROBABILITY	CONSEQUENCE	RATING	Control Measures	PROBABILITY	CONSEQUENCE	RATING	PERSON(S) RESPONSIBLE
1	Planning and preparation	Non-compliance with current legislative requirements and company processes.	D	4	H	All personnel to complete site specific induction.  All personnel to have completed company specific induction.  Personnel are to hold the required licenses and certificates for the work, and be assessed as competent to use or operate equipment and plant.  All personnel must read, understand and sign off on this SWMS. All personnel are given the opportunity to provide input into the content of this SWMS.  Daily pre-starts will be held at the beginning of each shift.  Any changes throughout the shift will be communicated prior to the commencement of the next task.  A JSA is to be completed for any changes to the task.  Ensure permit requirements are understood.	B	4	M	Work crew  Supervisor  Permit Holder
		Working outdoors with exposure to; - UV / high temperatures causing heat stress / dehydration / sunburn - Fauna and insects causing bites and stings	D	3	H	'Check ins' during extreme weather conditions.  Comply with the Queensland Worksafe heat stress procedure.  Ensure there is an area in the shade for rest (preferably Crib Facilities).  Work Breaks are compulsory at nominated times (preferably during the hotter parts of the day)  Drink adequate water amount of water.  Use sun block for protection from sun.  Use insect repellent (if applicable).	B	3	M	Work crew
		Interactions with other trades working in the vicinity; - Inadvertently cause hazardous situation including trips, slips, falls	D	3	H	Ensure other workers are informed and aware of all other trades working in the area  Communicate potential interactions during prestart	B	3	M	Supervisor  Work Crew

Job Task #	Job Step	Potential Health, Safety and Environmental Hazards	PROBABILITY	CONSEQUENCE	RATING	Control Measures	PROBABILITY	CONSEQUENCE	RATING	PERSON(S) RESPONSIBLE
		Unauthorized access to work area by other authorized personnel without correct PPE.	D	3	H	<p>Follow all site rules and procedures.</p> <p>Wear all mandatory PPE and task specific PPE.</p> <p>If a hazard is identified in the work area – fix it immediately or if unable to do so, isolate the hazard and inform your supervisor immediately.</p> <p>Site wide barricading to be installed to restrict access to unauthorized personnel.</p> <p>Signage to be visible around all site and at all access points.</p> <p>All visitors must report to site office before entering site.</p> <p>All visitors to be escorted by a site inducted personnel member.</p>	B	3	M	Supervisor Work crew
		<p>Poor ground conditions</p> <p>Uneven, loose, wet or soft ground at the work site.</p>	C	2	H	<p>Inspect path of travel for any obstructions and remove them.</p> <p>Daily site inspections prior to commencement of work activities and at the conclusion of each work day.</p> <p>Regular housekeeping inspections including regular walk rounds to be conducted to ensure a clean and tidy work area.</p>	B	2	M	Work crew
2	Work area and installation preparation (ensure adequate space for door swing)	<p>Personal injury -</p> <ul style="list-style-type: none"> <li>- Cuts, strains, abrasions, burns</li> <li>- Possible eye injury</li> <li>- Dust inhalation (depends on surrounds – these tasks should not cause dust or fumes)</li> </ul>	C	3	H	<p>Authority and empowerment to Stop the Job.</p> <p>Follow all site rules and procedures.</p> <p>Ensure correct manual handling techniques are followed.</p> <p>Wear all mandatory PPE and task specific PPE.</p> <p>Communicate task clearly with all work crew members. Ensure a thorough understanding of expectations.</p> <p>If a hazard is identified in the work area – fix it immediately or if unable to do so, isolate the hazard and inform you supervisor.</p> <p>Work on flat surface where practicable</p> <p>Secure all tools and/or equipment by lanyard or store in a toolbox/basket when on the work platform.</p>	B	3	M	Work crew Supervisor

Job Task #	Job Step	Potential Health, Safety and Environmental Hazards	PROBABILITY	CONSEQUENCE	RATING	Control Measures	PROBABILITY	CONSEQUENCE	RATING	PERSON(S) RESPONSIBLE
3	Check layout and mark out	Personal injury – <ul style="list-style-type: none"> <li>- Potential slips, trips and falls</li> <li>- Exposure to existing nails</li> </ul>	C	3	H	Ensure direct work area is clear and free from any potential trip hazards  All tools are to be stored appropriately for easy access and to avoid becoming a trip hazard  Work area to be check to ensure all exposed nails are removed  Dispose of all loose items and rubbish appropriately	B	3	M	Work crew Supervisor
4	Arrange for crane or other mechanical handling equipment  (remove if not applicable)	Personal injury - <ul style="list-style-type: none"> <li>- Cuts, strains, abrasions, burns</li> <li>- Possible eye injury</li> <li>- Dust inhalation (depends on surrounds – these tasks should not cause dust or fumes)</li> </ul>	C	3	H	Authority and empowerment to Stop the Job.  Follow all site rules and procedures.  Ensure correct manual handling techniques are followed.  Wear all mandatory PPE and task specific PPE.  Communicate task clearly with all work crew members. Ensure a thorough understanding of expectations.  If a hazard is identified in the work area – fix it immediately or if unable to do so, isolate the hazard and inform you supervisor.  Work on flat surface where practicable  Secure all tools and/or equipment by lanyard or store in a toolbox/basket when on the work platform.  Refer to Crane Operations SWMS (remove if not applicable)	B	3	M	Work crew Supervisor
5	Receive equipment rack on site inspect for damage.	Defective equipment causing personal injury	C	4	H	Visual inspection to be carried out on all equipment  Ensure correct manual handling techniques are followed.  Wear all mandatory PPE and task specific PPE.	B	4	M	Work crew
6	Transfer equipment rack to installation location	Personal injury caused by falling objects	D	3	H	Secure equipment rack prior to relocating  Secure all tools and/or equipment by lanyard or store in a toolbox/basket  An exclusion zone must be established whilst transferring equipment  Restrain any loose equipment where practicable	B	3	M	Work crew

Job Task #	Job Step	Potential Health, Safety and Environmental Hazards	PROBABILITY	CONSEQUENCE	RATING	Control Measures	PROBABILITY	CONSEQUENCE	RATING	PERSON(S) RESPONSIBLE
7	Mark out location ensuring coordination with other services	Personal injury – <ul style="list-style-type: none"> <li>- Potential slips, trips and falls</li> <li>- Exposure to other services</li> </ul>	C	3	H	Ensure direct work area is clear and free from any potential trip hazards  All tools are to be stored appropriately for easy access and to avoid becoming a trip hazard  Wear all mandatory PPE and task specific PPE  Dispose of all loose items and rubbish appropriately	B	3	M	Work crew Supervisor
8	Install equipment rack to manufacture's and client's specifications	Personal injury – <ul style="list-style-type: none"> <li>- Struck by moving objects</li> <li>- Cuts, strains, abrasions, burns</li> <li>- Possible eye injury</li> <li>- Dust inhalation (depends on surrounds – these tasks should not cause dust or fumes)</li> <li>- Fall from heights (remove if not applicable)</li> </ul>	C	4	H	Authority and empowerment to Stop the Job  Ensure correct manual handling techniques are followed  Wear all mandatory PPE and task specific PPE  If dust is present, a dust mask must be used. A dust extraction device will be used in the event dust becomes excessive  Refer to Working at Heights SWMS (remove if not applicable)	B	4	M	Work crew
9	Completion of task	Slips, trips, and falls	C	4	H	Leave work area tidy  Store equipment in authorised access area (e.g. locked storage facility)  Report any damage/defect to supervision and tag out any faulty equipment	B	4	M	Work crew

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<b>Safe Work Method Statement Title: SWMS: 021 INSTALLATION OF EQUIPMENT RACKS</b>		

Personnel Qualifications and Experience Required	Personnel Duties and Responsibilities		Training Required to Complete Work
	Supervisor	All Personnel	
Personnel will need to be trained and <b>confident</b> .	Empower all personnel to <b>STOP the JOB</b> if required to do so.	All personnel to maintain tidy work area on site at all times. Personal Protective Equipment (PPE) to be worn at all times on site.	Supervisor to be trained in risk identification, assessment and control e.g. Job Safety Analysis (JSA).
Appropriate industry and site specific induction.	Supervisor to carry out daily inspections of work site for hazards.	Ensure housekeeping is maintained throughout the task to avoid the risk of injury.	Electrician to be trained in hazard identification, Risk Level and control.
Must be a Licensed Electrician to carry out the works.	Ensure appropriate permits are in place for the task (if applicable).	Barricading to be used as appropriate to protect others from working below elevated work.	Safety observer who is competent to perform the task being observed and is also competent in electrical rescue and cardio-pulmonary resuscitation (CPR).

Engineering Details / Certificates / Australian Standards	Referenced – Codes of Practice / Regulations / Legislation
<ul style="list-style-type: none"> <li>AS/NZS 3000 Wiring Rules (Electrical Installations)</li> <li>AS/NZS 3012:2010 Electrical Installations – Construction and Demolition Sites.</li> <li>AS/NZS 3017 - Electrical installations - verification guidelines</li> <li>AS/NZS 4836 – Safe working on or near low voltage electrical installations and equipment</li> </ul>	<ul style="list-style-type: none"> <li>Work Health and Safety Act and Regulations 2011</li> <li>Electrical Safety Act 2002 and Regulations 2013</li> <li>Electrical Safety Code of Practice 2013 - Managing Electrical Risks in the Workplace</li> <li>Hazardous Manual Tasks Code of Practice 2011.</li> <li>Managing risks of Plant in the workplace Code of Practice 2013.</li> <li>Scaffolding Code of Practice 2009.</li> </ul> <p><b>(remove any of the above that are not applicable for the task being undertaken)</b></p>
Plant / Equipment Required (Mobile or Static)	Maintenance Checks / Calibration Intervals
<ul style="list-style-type: none"> <li>Hazard Identification to be conducted for plant used e.g. Scissor lift, boom lift, cherry picker, cranes, swing-stages, crane work box.</li> <li>Ensure compatibility of components particularly for fall protection / restraint / arrest equipment.</li> </ul>	<ul style="list-style-type: none"> <li>Cranes, Elevated Work Platform/s,</li> <li>Scaffolding in accordance with manufacturers recommendations</li> <li>Fall arrest / protection equipment must be checked prior to every use by a competent, trained person.</li> </ul>

