SWMS No 026 SJD Electrical Job Safety Analysis / Safe Work Method Statement											Page 1 of 7	
	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											
										Date Created: 00/00/16		
Proj	ect Name:					Person responsible	e for ensuring comp	oliance with this SWM	MS:		Review Date: 00/00/17	
Proj	ect/Client:					Job No:		Authorised I	Ву:		Revision No. 0	
				Licences, Per	mits, Compe	tencies Requir	ed: (tick items	relevant to this t	ask and site)			
□ Со	nfined Space		□ V	Vork at Heights		□ Excavation		□ Hot Work		□ Radia	tion	
□ Wh	nite Card		□ E	EWP		□ Electrical Lice	ense	□ Rescue and	d Resuscitation	□ Netwo	ork Access	
				Comm	on Hazards t	o Manage: (<i>ticl</i>	k items relevant	t to this task and	site)			
□ Ma	nual handling		□ V	Vorking at Heigh	its	□ Risk of Electr	ic Shock	□ Slips, Trips	and Falls	□ House	ekeeping	
HAZA	RD CLASSIFICATION	N MATRIX				Probability				Eliminatio	on 🗖	
	IBLE RESULTS			RARE	UNLIKELY	POSSIBLE	LIKELY	ALMOST CERTAIN		Substitution		
Risk =	Consequence x Lik	elihood		Α	В	С	D	E				
S	Catastrophic		5	Medium (M)	High (H)	High (H)	Extreme (E)	Extreme (E)		Isolation		
Suc	Major		4	Medium (M)	Medium (M)	High (H)	High (H)	Extreme (E)		Engineerir	ng 🗸	
edne	Moderate		3	Low (L)	Medium (M)	High (H)	High (H)	High (H)		Admin		
Conseduences	Minor		2	Low (L)	Low (L)	Medium (M)	Medium (M)	High (H)		, tdillill	PPE IS THE 'LA ST LINE OF DEFENCE"	
ပိ	Insignificant		1	Low (L)	Low (L)	Low (L)	Medium (M)	Medium (M)		PPE		
	RISK RATING					ACTION REQU	JIRED (ALARP	– As Low As Rea	asonably Practical	ble)		
E = E	treme, UNACCCEPTA			Intolerable risk. A	ctivity must not be						ision that risk is ALARP	
H = Hi	gh risk, Only acceptab	ole if ALARP							ue until the level of risl visor approval of the ri		o As Low As Reasonably required.	
M = Medium risk Undesirable Specify, document and implement emust not continue without Operation							educe the risk to ALAF	RP and <u>prefe</u>	rably Low rating. Activity			
L = Low risk, Tolerable Tolerable risk. Carry out activity												
Bas PPE be us	to	SAFETY GOGGLE MUST BE WOR		FACE SHIELD MUST BE WORN	SAFETY VEST MIIST RE WORN	RESP	ACE MASK PIRATOR BREATHING APP MUST BE WI			OOT PROTECTION MUST BE WORN	FALL ARREST EQUIPMENT MUST BE WORN	

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Other PPE:

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Safe Work Method Statement Title: SWMS: 026 INSTALLATION OF PYROTENAX (MIMS) CABLE

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.				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.	В	4	М	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 Interactions with other trades working in the vicinity;	D	3	Н	'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). Ensure other workers are informed and aware of all other trades	В	3	м	Work crew
		 Inadvertently cause hazardous situation including trips, slips, falls 				working in the area Communicate potential interactions during prestart				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	Н	Follow all site rules and procedures. Wear all mandatory PPE and task specific PPE. 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. Site wide barricading to be installed to restrict access to unauthorized personnel. Signage to be visible around all site and at all access points. All visitors must report to site office before entering site. All visitors to be escorted by a site inducted personnel member.	В	3	Σ	Supervisor Work crew
		Poor ground conditions Uneven, loose, wet or soft ground at the work site.	С	2	н	Inspect path of travel for any obstructions and remove them. Daily site inspections prior to commencement of work activities and at the conclusion of each work day. Regular housekeeping inspections including regular walk rounds to be conducted to ensure a clean and tidy work area.	В	2	М	Work crew
2	Work area preparation	Personal injury - - Cuts, strains, abrasions, burns - Possible eye injury - Dust inhalation (depends on surrounds – these tasks should not cause dust or fumes)	С	3	Н	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.	В	3	Σ	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 – - Potential slips, trips and falls - Exposure to existing nails	С	3	Н	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	В	3	М	Work crew Supervisor
4	Confirm cable specification and condition.	Cabling not installed as per client requirements resulting in Personal injury - - Cuts, strains, abrasions, burns - Possible eye injury - Dust inhalation (depends on surrounds – these tasks should not cause dust or fumes) - Fall from heights (remove if not applicable)	С	3	Н	Ensure all latest revision plans, diagrams etc. are on site Ensure plans and diagrams are reviewed by entire work crew prior to work commencing	В	2	М	Work crew Supervisor
5	Confirm cable supports on conduits have been installed to specifications.	Cabling support not installed as per client requirements resulting in Personal injury - - Cuts, strains, abrasions, burns - Possible eye injury - Dust inhalation (depends on surrounds – these tasks should not cause dust or fumes) - Fall from heights (remove if not applicable)	С	3	Н	Ensure all latest revision plans, diagrams etc. are on site Ensure plans and diagrams are reviewed by entire work crew prior to work commencing	В	2	М	Work crew Supervisor
6	Install rollers or other protection	Personal injury – - Struck by moving objects - Cuts, strains, abrasions, burns - Possible eye injury - Dust inhalation (depends on surrounds – these tasks should not cause dust or fumes) - Fall from heights (remove if not applicable)	С	4	Н	Ensure correct manual handling techniques are followed. Wear all mandatory PPE and task specific PPE. If dust is present, a dust musk 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)	В	4	М	Work crew

Job Task #	Job Step	Potential Health, Safety and Environmental Hazards	PROBABILITY	CONSEQUENCE	RATING	Control Measures	PROBABILITY	CONSEQUENCE	RATING	PERSON(S) RESPONSIBLE
7	Install cable stands	Personal injury – - Struck by moving objects - Cuts, strains, abrasions, burns - Possible eye injury - Dust inhalation (depends on surrounds – these tasks should not cause dust or fumes) - Fall from heights (remove if not applicable)	С	4	н	Ensure correct manual handling techniques are followed. Wear all mandatory PPE and task specific PPE. If dust is present, a dust musk 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)	В	4	М	Work crew
8	Install cable manually with rope or winch	Personal injury – - Struck by moving objects - Cuts, strains, abrasions, burns - Possible eye injury - Dust inhalation (depends on surrounds – these tasks should not cause dust or fumes) - Fall from heights (remove if not applicable)	С	4	н	Ensure correct manual handling techniques are followed. Wear all mandatory PPE and task specific PPE. If dust is present, a dust musk 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)	В	4	М	Work crew
9	Cut any excess cable and seal exposed ends	Personal injury due to contact with live parts	С	4	н	Obtain work approval and confirm any client site/safety instruction. Check scope of works to confirm whether work be re-scheduled so it may be isolated. Confirm with client that works meet the requirements regarding work on energised equipment and apparatus and the risk of harm would be greater if the circuits were de-energised before work commenced. Confirm that person/s carrying out the work are appropriately qualified, competent, confident and trained for the task.	В	4	М	Work crew Supervisor
10	Locate/dress cable to fix in position	Personal injury – - Potential slips, trips and falls - Exposure to existing nails	С	3	Н	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	В	3	М	Work crew Supervisor
11	Completion of task	Slips, trips, and falls	С	4	Н	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.	В	4	М	Work crew

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Personnel Qualifications and	Personnel Duties a	Training Dequired to Complete Work						
Experience Required	Supervisor	All Personnel	Training Required to Complete Work					
Personnel will need to be trained and confident.	Empower all personnel to STOP the JOB 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					
 AS/NZS 3000 Wiring Rules AS/NZS 3012:2010 Electrical Installations – Construction and Demolition Sites. AS/NZS 3017 - Electrical installations - verification guidelines AS/NZS 4836 – Safe working on or near low voltage electrical installations and equipment 	 Work Health and Safety Act and Regulations 2011 Electrical Safety Act 2002 and Electrical Safety Regulations 2013 Electrical Safety Code of Practice 2013 - Managing Electrical Risks in the Workplace Hazardous Manual Tasks Code of Practice 2011 Managing risks of Plant in the workplace Code of Practice 2013 Scaffolding Code of Practice 2009. (remove any of the above that are not applicable for the task being undertaken)					
Plant / Equipment Required (Mobile or Static)	Maintenance Checks / Calibration Intervals					
 Portable hand tools, electrical power tools / drills (insulated tools) May require scissor lift, boom lift or cherry picker (refer to Scissor Lift / Boom Lift / Cherry Picker SWMS) Appropriate testing equipment 	 Hand tools and ladders to be checked daily. All electrical equipment to be tested and tagged. Elevated Work Platform/s in accordance with manufacturer's recommendations (remove if not applicable) 					

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This SWMS has been developed in consultation and cooperation with employee / workers and relevant employer / persons conducting business or undertaking PCBU. I have read the above SWMS and I understand its contents. I confirm that I have the skills and training, including relevant certification to conduct the task as described. I agree to comply with safety requirements within this SWMS including risk control measures, safe work instructions and Personal Protective Equipment.

OVERALL RISK RATING AFTER CONTROLS	□ 1 LOW	□ 2 MODERATE	□ 3 HIG	□ 4 ACUTE	
EMPLOYEE / WORKER NAME	JOB ROLE / POSITION	SIGNATURE	DATE	TIME	EMPLOYER / PCBU / SUPERVISOR