

Unique ID	Hazard	Risk Associated with Hazard	Consequences	Risk Name and Role	Probability	Impact	Risk Rating	Control(s)	Control Name and Role	Residual Probability	Residual Impact	Residual Risk Rating
PRE-CONSTRUCTION: FILE APPROVAL AND ADMINISTRATIVE REQUIREMENTS												
1	No file approval as per OHS requirements and Client specifications	<ul style="list-style-type: none"> • Work commencing prior to file being available and approved • No valid registration with COID • Expired documentation (eg competencies, equipment load test, medicals) • Documentation not available or approved as per required Client Spec and OHS Act and Regulations 	<ul style="list-style-type: none"> • Construction delays • Penalties • Contravention notice from DOL 	<ul style="list-style-type: none"> • Project Manager • Client Manager • Appointed OHS Consultant • Principal Contractor 	High	Very High	Critical	<ul style="list-style-type: none"> • No work commencement until approval has been signed off • Client Health and Safety Specification • Baseline Risk Assessment • Site conditions evaluation 	<ul style="list-style-type: none"> • Project Manager • Client Manager • Appointed OHS Consultant • Principal Contractor 	Low	Low	Sustainable
2	Legal appointments and competency	<ul style="list-style-type: none"> • Employees appointed not in possession of required or valid competencies as per Client Spec and the OHS Act and Regulations • Appointment not as per legal requirements • Lack of experience for appointed positions 	<ul style="list-style-type: none"> • Construction delays • Penalties • Contravention notice from DOL 	<ul style="list-style-type: none"> • Project Manager • Client Manager • Appointed OHS Consultant • Principal Contractor 	High	High	Critical	<ul style="list-style-type: none"> • No work commencement until approval has been signed off • Client Health and Safety Specification • Baseline Risk Assessment 	<ul style="list-style-type: none"> • Project Manager • Client Manager • Appointed OHS Consultant • Principal Contractor 	Low	Low	Sustainable
3	Required legal documentation as per OHS Act and Regulations	<ul style="list-style-type: none"> • Documentation not site specific • Policies and procedure not in place and approved • Employees not trained in policies and procedures and legal requirements 	<ul style="list-style-type: none"> • Construction delays • Penalties • Contravention notice from DOL 	<ul style="list-style-type: none"> • Project Manager • Client Manager • Appointed OHS Consultant • Principal Contractor 	High	High	Critical	<ul style="list-style-type: none"> • No work commencement until approval has been signed off • Client Health and Safety Specification • Baseline Risk Assessment • Training needs analysis to be conducted by contractors • Communication required of documentation 	<ul style="list-style-type: none"> • Project Manager • Client Manager • Appointed OHS Consultant • Principal Contractor 	Low	Low	Sustainable
4	Risk identification	<ul style="list-style-type: none"> • Method of works not site specific • Risk identification not in place or conducted • Risk identification not site specific • Risk controls not sufficient • Risk assessor not competent • Continuous risk evaluation not conducted 	<ul style="list-style-type: none"> • Construction delays • Penalties • Contravention notice from DOL 	<ul style="list-style-type: none"> • Project Manager • Client Manager • Appointed OHS Consultant • Principal Contractor • Risk Assessor 	Very High	Very High	Critical	<ul style="list-style-type: none"> • No work commencement until approval has been signed off • Client Health and Safety Specification • Baseline Risk Assessment • Method statement of tasks • Site conditions evaluation 	<ul style="list-style-type: none"> • Project Manager • Client Manager • Appointed OHS Consultant • Principal Contractor • Risk Assessor 	Very Low	Very Low	Sustainable

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5	Induction and medical certificate of fitness	<ul style="list-style-type: none"> Employees entering the site not being inducted Visitors entering site not being inducted / signing visitors induction form Induction being conducted on employees without them being in possession of a valid medical certificate of fitness in form of annexure 3. The medical must be conducted by a registered Occupational Health Practitioner Construction vehicles and mobile plant operators entering the site without being inducted Driver or delivery vehicles not made aware of the specific site conditions Employees being inducted without valid work permits / certified 	<ul style="list-style-type: none"> Construction delays Penalties Contravention notice from DOL 	<ul style="list-style-type: none"> Client Manager Appointed OHS Consultant Principal Contractor 	High	High	Critical	<ul style="list-style-type: none"> Site induction can only be done with an employee if the required up to date medical is presented at the induction Medical fitness certificates must be validated by the principal contractor to ensure adherence to minimum requirements and validity of the document Each person's ID or valid work permit must be inspected before induction can be allowed on site for the individual. 	<ul style="list-style-type: none"> Client Project Manager Appointed OHS Consultant Principal Contractor 	Low	Very Low	Sustainable
6	Application of construction work permit-DOL	<ul style="list-style-type: none"> Construction work commencing without a construction permit. 	<ul style="list-style-type: none"> Construction delays Penalties Appointed OHS Consultant Contravention notice from DOL 	<ul style="list-style-type: none"> Client Project Manager Appointed OHS Consultant Principal Contractor 	High	High	Critical	<ul style="list-style-type: none"> The Client cannot allow any work to commence without a valid construction work permit in place 	<ul style="list-style-type: none"> Client Project Manager Appointed OHS Consultant Principal Contractor 	Low	Low	Sustainable
SITE ESTABLISHMENT												
1	Security	<ul style="list-style-type: none"> No security in place at entrances to construction site 	<ul style="list-style-type: none"> Unauthorized entry to site Injuries to unauthorized people on site Theft of materials and equipment 	<ul style="list-style-type: none"> Construction Manager Project Manager 	High	Medium	Severe	<ul style="list-style-type: none"> The principal contractor must appoint full time security personnel to control the access onto the site at all times Dedicated access control sign books to be available for visitors sign ins. 	<ul style="list-style-type: none"> Construction Manager Project Manager 	Medium	Low	Moderate

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2	Offloading heavy equipment and containers with mobile cranes.	<ul style="list-style-type: none"> Defective mobile crane can cause accidents Damage lifting tackle Unsecure offloading area could cause accidents Damage to property 	<ul style="list-style-type: none"> Serious injury and fatalities Standing time Lost time Injuries 1st Aid medical treatment cases Financial implications 	<ul style="list-style-type: none"> Construction Supervisor Lifting Inspector Construction OHS officer 	Very High	High	Critical	<ul style="list-style-type: none"> All lifting equipment including the mobile crane must be checked before allowed on site Ensure that correct mobile crane to be used for the offloading process Safe Working Load must be clearly displayed on the crane Load test certificate will be submitted to the client Rope and or sling certificates must be submitted to the client Only competent operators will be allowed to operate the mobile crane Daily checks as per checklist by operator Should a service provider be used these documentations must be approved by the principal contractor's OHS officer Copies must be put on the OHS file Lifting tackle to be inspected daily Material to be stacked on firm and level ground Stacking to be supervised by a competent supervisor Adequate storage area to be provided 	<ul style="list-style-type: none"> Construction Supervisor Lifting Inspector Construction OHS officer 	Medium	Medium	Moderate
3	Housekeeping	<ul style="list-style-type: none"> Inadequate storing facilities Damage to material and equipment Accumulation of waste Environment pollution Facilities for employees Electrical installations 	<ul style="list-style-type: none"> Serious injuries Electrocution Environmental impact Personal injuries Lost time in production Damage to equipment and material Injuries to occupants and visitors 	<ul style="list-style-type: none"> Construction Supervisor Safety Officer Qualified Electrician 	High	Medium	Severe	<ul style="list-style-type: none"> Use site establishment checklist to ensure compliance with all items Toilet facilities & staff welfare as per Construction Reg 2014 Toilets 1:30 (regular service) Correct storing facilities for hazardous chemicals Correct signage for all storage of hazardous materials Proper storing facilities for tool and equipment Adequate waste bins available Regular cleaning of bins 	<ul style="list-style-type: none"> Construction Supervisor Safety Officer Qualified Electrician 	Very Low	Low	Sustainable

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								<ul style="list-style-type: none"> Waste recycling is encouraged A COC certificate for temporary electrical installations by a register competent electrician. 				
CONSTRUCTION PHASE												
1	Stacking and storage	Sub-standard / unsafe stacking practices	<ul style="list-style-type: none"> Property Damage Physical Injuries Fatality 	<ul style="list-style-type: none"> Construction Supervisor Safety Officer Stacking Supervisor 	High	High	Critical	<ul style="list-style-type: none"> Designated areas for stacking to be identified and stacking and storage supervisor to monitor. Training to be provided on stacking and storage in through toolbox talks and DSTI's. Inspections to be carried out and unsafe equipment to be removed from the premises. Stacking and storage supervisor to monitor and enforce safe stacking procedures. Good housekeeping to be ensured through daily inspections which will be conducted twice a day. 	<ul style="list-style-type: none"> Construction Supervisor Safety Officer Stacking Supervisor 	Medium	Low	Moderate
2	Electrical equipment	Electrical fire and electrocution	<ul style="list-style-type: none"> Fire Burns Physical Injuries Fatality 	<ul style="list-style-type: none"> Construction Supervisor Safety Officer Portable Electrical Inspector Site Electrician 	High	High	Critical	<ul style="list-style-type: none"> PTOs to be conducted by Management Supervisor and Safety officer. All DSTI and risk assessments and SWP to be communicated to all workers proof to be kept in SD file. Appointed Portable electrical tool inspector will do daily check register and proof will be kept on record. Any deviations on the 	<ul style="list-style-type: none"> Construction Supervisor Safety Officer Portable Electrical Inspector Site Electrician 	Medium	Very Low	Sustainable

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								check list will be reported to Client's management / Supervisors to be actioned				
3	Use of hand tools	Sub-standard hand tools used on site	<ul style="list-style-type: none"> Damage to property Physical Injuries 	<ul style="list-style-type: none"> Supervisor Safety Officer Hand tools Inspector 	High	Medium	Severe	<ul style="list-style-type: none"> Daily tool inspection to be carried out by an appointed competent person and records submitted to the Safety Officer for record keeping. If any deviations are noted, tools must be repaired or replaced. Supervisors to conduct PTO's on different activities to ensure task are executed properly and safe. Tools found with serious defects during daily inspections to be removed from the premises immediately. Only competent employees to be allowed to use tools with sharp blades DSTI's to be done for every activity as per Client's standards and employees to be trained in safe work procedures. Toolbox talks must be conducted on task specific topics. Tools must not be allowed to deteriorate to an extent of mushroom heads in case of chisels and exposed tags for hammers; this can be ensured by daily inspections and reporting of unsafe tools to supervisors. Safe work procedures to be developed and communicated as a 	<ul style="list-style-type: none"> Supervisor Safety Officer Hand tools Inspector 	Medium	Very Low	Sustainable

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								follow up on the crafts training and induction to ensure safe use of tools and encourage employees to inspect their own tools and report any defects. • Ensure employees understand their basic duties as stipulated in the OHS Act 85 of 1993.				
4	Working at heights	Inability to identify hazards associated with work in elevated positions	<ul style="list-style-type: none">• Property Damage• Physical Injuries• Fatality	<ul style="list-style-type: none">• Supervisor• Safety Officer• Scaffold Inspector	Very High	High	Critical	<ul style="list-style-type: none">• Unmarked scaffold will not be allowed onsite.• Project specific Fall Protection plan to be communicated to all employees.• Safety Officer to control inspections and SWP• Fall relief procedure to be communicated to all managers and workers working at heights.• Registers to be kept on record as proof of communication.• Emergency drills to be done periodically.• A buddy system to be utilised, employees to work in pairs or groups.	<ul style="list-style-type: none">• Supervisor• Safety Officer• Scaffold Inspector	Medium	Medium	Moderate

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5	Use of ladders	Sub-standard ladders / step ladders	<ul style="list-style-type: none"> Property Damage Physical Injuries Fatality 	<ul style="list-style-type: none"> Construction Supervisor Safety Officer Ladder Inspector 	Very High	High	Critical	<ul style="list-style-type: none"> Ladders must be stored in a dry environment inside the store Ladders must be hung on the inside of the storage area All ladders must be inspected and registered before use on site No faulty ladders will be allowed on site SWP (safe Working Procedure) and Risk Assessments will be communicated to all workers forming part of the task No wooden ladders are allowed to be used on site All workers will be inducted on the task before work commence Only ladders approved by Client will be allowed on site 	<ul style="list-style-type: none"> Construction Supervisor Safety Officer Ladder Inspector 	Medium	Medium	Moderate
6	Scaffolding	Using rusted and damaged scaffold material	<ul style="list-style-type: none"> Property Damage Physical Injuries Fatality 	<ul style="list-style-type: none"> Construction Supervisor Safety Officer Scaffold Inspector 	High	Very High	Critical	<ul style="list-style-type: none"> Only SANS approved scaffold material will be allowed on site No uncertified scaffold material to be used on site Scaffold inspector to make sure that all scaffolding is approved before use All scaffolding to be inspected before use and be recorded on scaffolding inspection register deviations to be reported to site management / supervisor Action to be recorded on CAR (Corrective action Report) All deviations to be actioned and rectified (CAR) to be signed by site management / supervisor and deviations to be reported 	<ul style="list-style-type: none"> Construction Supervisor Safety Officer Scaffold Inspector 	Medium	Medium	Moderate

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7	Ergonomic	<ul style="list-style-type: none"> • Repetition movements resulting in MSD'S • Grip force with hands, wrist, arms resulting in muscle fatigue and inflammation of the muscles and tendons • Lift /lower force activities that could result in lower back injuries • Working in awkward positions • Extreme temperatures • Activities that result in hand arm vibration that could result in MSD and white finger syndrome 	<ul style="list-style-type: none"> • Lost time injury • Medical treatment incidents • Body injuries • Heat exhaustion 	<ul style="list-style-type: none"> • Supervisor • Construction OHS Officer • All employees • First aider 	High	High	Critical	<ul style="list-style-type: none"> • Employees trained to recognise MSD symptoms • Encourage early reporting of MSD symptoms • Re-evaluate work procedures • Ensure regular resting periods • Employees need proper training in lifting practises • Job task observations • Mechanical lifting where possible • Redesign tasks • Trained first aider • Sufficient fresh water hourly (600 ml) • Sunscreen should also be available • Equipment with lowest vibration be used • Proper maintenance schedules must be in place • Proper medical surveillance program in place • Vibrating reducing hand gloves must be used. 	<ul style="list-style-type: none"> • Supervisor • Construction OHS Officer • All employees • First aider 	Medium	Low	Moderate
8	Covid 19	Sickness	<ul style="list-style-type: none"> • Fever • Tiredness • Dry Cough • Runny nose • Sore Throat 	<ul style="list-style-type: none"> • Supervisor • Construction OHS Officer • All employees • First aider 	High	High	Critical	<ul style="list-style-type: none"> Contractor OHS file must be approved prior to site establishment begins - aligned to New Construction Regulation 2014 • All workers on site must be declared medically fit by an Occupational Health Practitioner. (Annexure 3) • Site induction must be given to all employees to make them aware of the specific hazards • The contractor must declare all employees competent in writing • Before the commencement of this phase a site-specific risk assessment must be conducted by a competent risk assessor • All the employees involved must be inducted on the risks; proof of this 	<ul style="list-style-type: none"> • Supervisor • Construction OHS Officer • All employees • First aider 	Medium	Medium	Moderate

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