

Risk Assessment Health & Safety

CONTRACT:
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ISSUE NO:

001

DATE OF ASSESMENT:

Item No	Activity/ Task (1)	Hazard (2)	Likelihood/Consequences What/Who & How (3)	Primary Risk Level (4)	Control Measures (5)	Residual Risk Level (6)	Team Members responsible (7)
1	Welfare	<ul style="list-style-type: none"> - Insufficient Toilet Facilities (Male & Female). - Dirty / untidy Facilities. - Insufficient water (hot & cold). - Inadequate facilities for rest, eating meals and drying clothing. 	<ul style="list-style-type: none"> - Probable/3 day LTA. - Site Operatives; staff & all contract personnel. - General health would suffer, unhealthy working environment. 	High	<ul style="list-style-type: none"> - Ensure all adequate welfare facilities are available and in good condition. - Appoint cleaner/attendant. - Connect to mains power and water. 	Low	Site Agent, Forman
2	Access/ Egress	<ul style="list-style-type: none"> - Site traffic/plant operation in access routes. - Roof edge protection - Bad lighting - Untidy approach to site and compound = trip hazards. - Holes/openings in floors 	<ul style="list-style-type: none"> - Likely /major Injury - Site Operatives; staff & all contract personnel as well as client and visitors - Slip, trips, falls and collisions 	High	<ul style="list-style-type: none"> - Segregate compound from working area. - Ensure safe walking routes. - Protect open edges and holes. - Keep routes clean, clear and well lit. - Ensure adequate signage in place 	Low	Site Agent, Forman

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3	Ladders	<ul style="list-style-type: none"> - Bad/unsafe condition - Unsecured - 3 points of contact - Wrong angle of ladder and insufficient length - Soft ground at base of Ladder 	<ul style="list-style-type: none"> - Likely /major Injury - Site Operatives; staff & all contract personnel - Falls from height 	High	<ul style="list-style-type: none"> - Regular inspection prior to use and during use. - Secure and foot ladders - Hoist materials and tools - Use stairs were possible - Prepare ladder base as necessary 	Low	Site Agent, forman and all sub-contractors.
4	Scaffolds	<ul style="list-style-type: none"> - Unstable ground conditions - Scaffold erected by incompetent person. - Scaffold loaded out of design criteria. - Lack of inspection by competent person. - The use of incomplete & unsafe scaffolding 	<ul style="list-style-type: none"> - Likely /major Injury - Site Operatives; staff & all contract personnel - Falls from height and crushed by scaffold and materials 	High	<ul style="list-style-type: none"> - Prepare base before erection. - Scaffolds to only be erected by competent, certified, personal. - Inspect scaffolds daily with thorough inspection weekly. - Make sure scaffold is loaded out correctly as per its design criteria. - Install signs on incomplete scaffolds and remove ladders. 	Low	Site Agent, Forman and trade sub-contractors

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5	Roofwork (working at Heights)	<ul style="list-style-type: none"> - Fragile roof construction - Displacement of materials from roof. High winds and rain - Material falling off roof - Over loading of roof during loading out - Sharp edges of material - Open edges 	<ul style="list-style-type: none"> - Likely/ Major-Fatal - Roofers and operatives below as well as public. - Falls from height and struck by falling materials. 	High	<ul style="list-style-type: none"> - Make sure all roofers are aware of their relevant method statements prior to the commencement of works. - Indicate/sign fragile roofs. - All materials are to be tied down when not in use. - Install edge protection & toe board to prevent falling materials. - Distribute loads across the roof structure. - Make sure operatives wear PPE. (gloves, harness, etc) - Keep off roof during periods of severe inclement weather. 	Low	Site Agent, Forman and trade sub-contractors

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6	Mobile Elevated Working Platforms	<ul style="list-style-type: none"> - Lack of inspection /maintenance - Unstable/uneven ground conditions - Incompetent operators - Lack of fall protection - No protection to base of machine. 	<ul style="list-style-type: none"> - Likely /major Injury - Site Operatives; staff & all contract personnel - Falls from height, crushed by machine, machine failure and incorrect use 	High	<ul style="list-style-type: none"> - Make sure all relevant test certificates are received prior to use. Inspect at regular intervals(weekly) - Make sure all operatives are certified to use machines. - Prepare ground before use - PPE – harness fixed to basket - Protect base of machine prior to use to avoid crushing of personnel. 	Low	Site Agent, Forman and trade sub-contractors
7	Lifting equipment/ Accessories	<ul style="list-style-type: none"> - No planning of lifting operations - Access/egress to and from lift location - Unstable ground conditions - Rigging/craning/slinging and banking by incompetent people - Unsecured loads - Incorrect/no certification for lifting appliance 	<ul style="list-style-type: none"> - Likely/major Injury - Site Operatives; staff & all contract personnel - Fall or collapse of equipment. Falls of materials being lifted. Mechanical failure. Incorrect use 	High	<ul style="list-style-type: none"> - Make sure site staff have planned/organized for the correct use of lifting equipment. - Prepare ground/base & check for under ground voids and services. - Ensure use by competent personal. Check certification (slinger/banksman/drivers) - Make sure plant/machine is tested correctly under LOLER and certificates are in place. 	Low	Site Agent, Forman and trade sub-contractors

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8	Plant/ Equipment	<ul style="list-style-type: none"> - Dangerous moving plant/equipment - Exceeding Site speed limit - Used by Unauthorized personal - Emissions from plant - Untrained personal using plant/equipment - Plant not suited for task - No certification for plant 	<ul style="list-style-type: none"> - Likely/major Injury - Site Operatives; staff & all contract personnel - Personal been hit by plant. - Mechanical failure, tipping, rolling and collision. - Sickness through emissions 	High	<ul style="list-style-type: none"> - Separate designated plant and personal work areas. - Site speed limit - Certification for personal and test examination certification for plant - Making sure plant is suited for task by scrutinizing relevant method statements. PUWER - PPE – High visibility vests 	Low	Site Agent, Forman and trade sub-contractors
9	Abrasive wheels	<ul style="list-style-type: none"> - Unsafe state and improper use - Lack of PPE - Harmful Emissions - Plant not suited for the task - Wheels mounted incorrectly by untrained staff - Poor maintenance 	<ul style="list-style-type: none"> - Probable/3 day LTA. - Site Operatives - Injury by moving parts or plant failure. Injury by incorrect use or no PPE. Sickness through harmful emissions/products 	Medium	<ul style="list-style-type: none"> - Ensure full examination of plant by trained personal prior to use and regularly there after. - Only suitably trained personal to use - Make sure area is suitable for use of abrasive wheel. If needed issue Work Permit - Sub-contractors risk assessment - Make sure appropriate PPE is used 	Low	Site Agent, Forman and trade sub-contractors

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10	Structural Steel	<ul style="list-style-type: none"> - Unsafe erection sequence - Incorrect lifting appliance/equipment - Untrained erection personnel - Unsafe access provision. - Unsuitable working area - Heavy materials - Failure to establish stability at end of shift - High winds and inclement weather 	<ul style="list-style-type: none"> - Likely/Fatality - Site Operatives - Structural collapse. Personnel been hit by falling materials/ plant. Mechanical failure, tipping. Falling from heights. Injury through lifting and handling 	High	<ul style="list-style-type: none"> - Ensure suitable hardstanding - Work to agreed sub-contractor method statement and risk assessment - Make sure all personnel are aware of sequence of work and method statement - Make sure all personnel are trained and certified to use equipment - Maintain site access and egress and keep site tidy. - Stand down erection, lifting and fixing in severe inclement weather 	Low	Site Agent, Forman and trade sub-contractors

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11	Excavations	<ul style="list-style-type: none"> - Failure to inspect excavations for potential collapse - Unsuitable plant/ operator - Unprotected edges - Ground water 	<ul style="list-style-type: none"> - Likely /Major Injury - Site operatives, staff - Liable for crush injuries, breaks, muscle-skeletal injuries if excavation collapses or plant/equipment falls into excavation 	High	<ul style="list-style-type: none"> - Issue permit to dig - Use certified operatives for excavation - Stoplogs and edge protection - Use correct support system or batter back excavation - Work to agreed sub-contractor method statement. - Ensure excavation kept free from groundwater 	Low	Site Agent, Forman and trade sub-contractors
12	Buried /Overhead services	<ul style="list-style-type: none"> - Failure to identify the presence/location of services - Failure to make operatives aware of position of services - Failure to protect exposed services 	<ul style="list-style-type: none"> - Likely/Fatality - Operatives - Strike/damage services. Electric Shock, Explosion causing burns. Service failure 	High	<ul style="list-style-type: none"> - Obtain current service layout drawings. Locate, mark services on site - Carry out further CAT survey - Issue permit to dig - Hand dig if necessary - Work to approved Sub-contractor method statements 	Low	Site Agent, Forman and trade sub-contractors

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13	Confined Spaces	<ul style="list-style-type: none"> - Unsafe atmosphere and environment - Poor access and egress - Untrained/incompetent operatives - Failure to provide safe system of work (hot work permits) - No emergency procedures 	<ul style="list-style-type: none"> - Likely/Fatal Operatives - Entrapment/failed escape. Sickness through disease. Poisoning. Explosion 	High	<ul style="list-style-type: none"> - Issue permit to work - Set emergency procedures and make all operatives aware of procedures - Make sure only trained operatives work in confined spaces - Work to agreed sub-contractors method statements - PPE 	Low	Site Agent, Forman and trade sub-contractors
14	Falsework/ formwork	<ul style="list-style-type: none"> - Lack of suitable design/works method - Incomplete works when loaded or over loaded - No inspections of works - Insufficient planning - Inadequate access/egress 	<ul style="list-style-type: none"> - Probable/Fatal Operatives - Collapse of system. Falls from height. Cuts grazes 	High	<ul style="list-style-type: none"> - Use designed and approved system. - Work to agreed sub-contractors method statements - Ensure suitable access/egress and guard rails - Make sure works are inspected regularly to avoid risk of collapse 	Low	Site Agent, Forman and trade sub-contractors
15	Manual Handling	<ul style="list-style-type: none"> - Failure to access loads - Failure to provide mechanical handling were practical - Failure to make operatives aware of risks when lifting 	<ul style="list-style-type: none"> - Probable/3 Day Operatives - Materials too heavy, unstable or damaging causing strains, breaks, and musculo skeletal problems. 	Medium	<ul style="list-style-type: none"> - Making sure all sub-contractors assess loads prior to delivery to site. - Work to agreed sub-contractors method statements and assessments - Use of mechanical handling where possible. - PPE 	Low	Site Agent, Forman and trade sub-contractors

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16	Health of Employees/ Operatives on Site	<ul style="list-style-type: none"> - Lead - Noise - Vibration - Sunshine Exposure - Dust - Fumes - Chemicals, Resins 	<ul style="list-style-type: none"> - Probable/ Minor - All employees 	Medium	<ul style="list-style-type: none"> - Ensure that COSHH assessments are in place - Brief operatives on Risks, COSHH and relevant sub-contract method statements - Issue PPE - Instruct workforce on vibration tool use 	Low	Site Agent, Forman and trade sub-contractors
17	Noise & Vibration	<ul style="list-style-type: none"> - Concrete & road breaking - Timber Sawing - Driving Dumpers - Un-silenced Plant - Vibration Pokers - Wacker Plates - Confined Space Working 	Definite/Minor	High	<ul style="list-style-type: none"> - Ensure that COSHH assessments are in place - Brief operatives on Risks, COSHH and relevant sub-contract method statements - Issue PPE 	Low	Site Agent, Forman and trade sub-contractors
18	Electricity	<ul style="list-style-type: none"> - 240V plant and equipment - Insufficient protection of electrical services - Poor condition of hand tools and leads - Overloading circuits 	<ul style="list-style-type: none"> - Likely/Fatal - Operatives and Beau Sejour center - Shocks and burns 	High	<ul style="list-style-type: none"> - The use of 110V tools only - PAT tested with visual inspection before use. - Indicate power points during site induction. - Work to approved sub-contractor Method statements. 	Low	Site Agent, Forman and trade sub-contractors

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19	Fire	<ul style="list-style-type: none"> - Storage of fuels and other flammable materials - Electrical equipment - Smoking in prohibited areas - Lack of awareness by operatives 	<ul style="list-style-type: none"> - Likely/Fatal - Operatives, staff and Beau Sejour structure - Burns and inhalation 	High	<ul style="list-style-type: none"> - Control over the storage of flammable materials and fuels - Control of electrical equipment as above - Designated smoking areas - Making sure all operatives and staff are aware of presence of flammable materials and fuels by induction - Issue of hot work permits - Making sure all works are programmed correctly and are carried out in accordance with agreed method statements. 	Low	Site Agent, Forman and trade sub-contractors
20	Eyes/Hands/ Feet/Skin	<ul style="list-style-type: none"> - Cuts, burns, vibration equipment, use of chemicals, flying materials and irritants - Lack of PPE 	<ul style="list-style-type: none"> - Likely/Major - All operatives, site personnel and public - All personnel could be affected directly or indirectly 	High	<ul style="list-style-type: none"> - Make sure work areas are securely cornered off from public making sure no contamination can reach public - Ensure correct PPE is used and COSHH assessments are carried out. - Carry out tool box talks as necessary to brief operatives - Make sure all sub-contractors work according to the relevant approved method statements. 	Low	Site Agent, Forman and trade sub-contractors

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21	Unauthorised Persons on Site	<ul style="list-style-type: none"> - Insufficient site boundary fencing - Access to public with out induction and appropriate PPE 	<ul style="list-style-type: none"> - Likely/3 Day LTA - Visitors to site authorized and Unauthorised. 	High	<ul style="list-style-type: none"> - Fence off site works and site compound - Erect sufficient signage signaling construction site limited access. - Make sure all visitors announce themselves and sign in/receive induction 	Low	Site Agent, Forman and trade sub-contractors
22	High Winds	<ul style="list-style-type: none"> - Loose materials blown around site and neighboring areas. - Danger to personnel working at height - Site accommodation blown over 	<ul style="list-style-type: none"> - Likely/Fatal - All opratives staff and public - Falls, cuts, bruises, people been hit by flying object 	High	<ul style="list-style-type: none"> - All operatives are to be inducted and made aware of risk of wind. - Wind speeds to be monitored for all high level works. - Works to be carried out in accordance with approved sub-contractor method statements. - Bolt and tie down accommodation, plant and equipment as necessary 	Low	Site Agent, Forman and trade sub-contractors

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