



JOB HAZARD ANALYSIS

Project:	Task Members:		
Principle Contractor :			
Job / Task:			
Date:			
Prepared by: GUY BLACK, Managing Director A.C.H.			

REFERENCES

Legislation & Codes of Practice		Australian Standards		(Indicate "Y" if applicable)	
OSH Act 1984 & OSH Regulations 1996	x	AS 2601 – 2001 The demolition of structures		AS 1674.1 – Safety in welding & allied processes – fire	
C of P: Prevention of falls at the workplace, 2004	x	AS 3850 – 2003 Tilt-up concrete construction		AS 2550.1 Cranes, hoists & winches. Safe use	x
C of P: Excavations 2005		AS 3600 – 2001 Concrete		AS 1742 Part 3 Traffic control	
C of P: Formwork 2006 (QLD)		AS 3012 – 2003 Electrical installations – construction and demolition sites		(Commonwealth) Work Health and Safety Act 2011	x
C of P: Manual Handling, 2005	x	AS 2865 – 1995 Safe Working in Confined spaces		(Commonwealth) Work Health and Safety Regs 2011	x
C of P: Asbestos 2005 Management and control of asbestos in workplaces (NOHSC: 2018 – 2005)		AS 1891.4 – 2000 Industrial fall arrest system and devices. Part 4 Selection and use.		(Commonwealth) Code of Practice – Cranes (Safe Work Australia)	x
C of P: Concrete & masonry cutting & drilling		AS 1576.1 – 1995 Scaffolding Part 1 General requirements		Other	
C of P: Tilt-up & Precast Concrete Construction 2004		AS 4576 – 1995 Guidelines for Scaffolding			
C of P: First Aid, Workplace Amenities & PPE 2002	x	AS 14001 – 1996 Environmental Management Systems			
		AS 1418 – 2002 Cranes, hoists & winches, General requirements	x		

Reviewed by: _____ / ____ / ____
 Principle Contractors Representative Position Signature Date

Document Title	JHA for Mobile Crane	Responsible Officer:	Gary de Vries
Document Number	27	Authorised By	Guy Black
Revision No:	3	Revision Date	24/02/2016



SAFETY REQUIREMENTS

PPE		Safety Equipment		Permits	
Safety Boots (Mandatory)	x	Fire extinguisher	x	Permit to Dig	
High Visibility Aparent (Mandatory)	x	Welding Screens		Hot Work Permit	
Safety Helmet (Mandatory)	x	Warning signs (indicate type)		Confined Space Permit	
Safety Glasses	x			Isolation / Lockout Permit	
Safety Harness / Fall arrest system					
Respirator or dust mask					
Hearing protection					
Full Face Shield					
Gloves	x				
Protective clothing	x				

SAFETY REQUIREMENTS

Competencies / Qualifications		Plant & Equipment	
Dogman	x	Teleporter	
Rigger		Scissor Lift	
Crane	x	Working at Heights	
Forklift		Demolition	
Materials Hoist			
Personnel Hoist			
Tilt-up Construction			
Boomlift			
Scaffolding			

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			Page 2 of 6

Job Step (Break the job down into steps)		Potential Hazard (What can harm you)	Initial Risk	Controls (What are you going to do to make the job as safe as possible) (See Risk Control Hierarchy)	Residual Risk
1	Travel to site	Traffic Accident	Med	Drive in accordance with road conditions and road rules. Operator is fit for work	Low
2	Access Job site	Risk to pedestrians Crossing footpath. Risk of breaking Footpath	High	Spotter must be employed to safely guide crane over pedestrian areas. Load distribution mats to be used if driving over footpath	Med
3	Is there Power lines nearby	Electrocution if crane too close to power lines	High	Crane must remain clear of power lines as per legislation. Spotter must be employed if crane is able to accidentally go too close too power	Med
4	Set up crane	Risk of breaking footpath Risk to road users	High	Ensure ground is level within crane tolerances. Protect footpath if risk of damage	Med
5	Secure work area	Risk to public near crane work area. Risk of workers walking under the load	High	Secure work area to restrict unauthorized access Ensure lift corridor clear of all personell	Med
6	Rigging of loads	Risk of load falling or breaking slings	High	Trained and licensed dogman to sling the load Correct size SWL slings must be used	Med
7	Lifting of load	Risk of load hitting parts of Building Risk of load being uncontrolled Unacceptable line of sight from dogman to crane	High	Rigger / Dogman to direct the crane movements at all times. Tag lines must be used to control load Two way radio communication must be used at all times if dogman not visible	Low
8	Releasing of load	Risk of load falling off structure	High	Load must be secure and stable in final position	Med
9	Pack up and leave site	Risk to pedestrians Crossing footpath	High	Spotter must be employed to safely guide crane over pedestrian areas.	Med
10	Other				

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			Page 3 of 6



SIGN-OFF SHEET

I have taken part in the development of this JHA / have been briefed on and understand the contents of this JHA.

	Name	Trade/Position	Signature	Date
1				
2				
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Risk Assessment Matrix

		Consequence Severity				
		Insignificant	Minor	Moderate	Major	Catastrophic
Likelihood	Almost Certain	High	High	Extreme	Extreme	Extreme
	Likely	Medium	High	High	Extreme	Extreme
	Possible	Low	Medium	High	Extreme	Extreme
	Unlikely	Low	Low	Medium	High	Extreme
	Rare	Low	Low	Medium	High	High

Risk Control Hierarchy

Most effective	Least Effort	1. Elimination
		2. Substitution
		3. Engineering Controls
		4. Administrative Controls
Least effective	Most Effort	5. Personal Protective Equipment (PPE)