



Precast Tilt-Up and Structura	Concrete   SAFE WORK N	METHOD STATEMENT (SWM	S)
TASK OR ACT	FIVITY: Precast Tilt-Up and Struc	tural Concrete	
Business Name:		ABN:	SWMS#
Business Address:			
Contact Person:	Phone:	E ail:	
THIS SAFE WORK METHOD	STATEMENT IS APPROVED BY	THE PCL OF THE ROJECT	
Under the Work Health and Safety Regulation (WHS Regulation), a person conduct the proposed work starts.	cting a business or undo	required to er. 3 that a safe work method s	statement (SWMS) is prepared before
Full Name:			
Signature:		Title:	Date:
Details of the person(s) responsible for ensuring implementation, monitoring	roliance the VMS a vell as review	s and modifications of the SWMS.	
Full Name:		Title:	Phone:
ALL PERSONNEL PARTICIPATING IN ANY ACTIVITY ON THIS 5 MS M HAVE THE FOLLOWING COMMUNICATED	NAL OF ALL RELEVANT PERSONNI EVELOPMENT AND APPROVAL OF	EL WHO HAVE BEEN CONSULTED AND CO THIS SWMS	OMMUNICATED TO IN THE
Safety meetings or toolbox talks will be sched and in account with gislative requirements to first identify any site hazards, and then to further take steps to either eliminate or continuous each hazard.			
If an incident or a near miss occurs, all work must sto, quately. Depending on the severity of the incident, a meeting will be called with all workers to amend the SWMS if required. The meeting may also be an educational opportunity.			
Any changes made to the SWMS after an incident or a near miss must be approved by the Person Conducting Business or Undertaking and communicated to all relevant personnel.			
The SWMS must be kept and be available for inspection at least until the work is completed. Where a SWMS is revised, all versions should be kept. If a notifiable incident occurs in relation to which the SWMS relates, then the SWMS must be kept for at least two years from the occurrence of the notifiable incident.			

Version 2.5 Authorised by Review # Date of Issue: Review Date: 1





CLIENT OR PRINCIPAL	CONTRACTOR DETAILS
Client:	SCOPE OF WORKS
Project Name:	
Project Address:	
Project Manager:	
Contact Phone:	
Date SWMS supplied to Project Manager:	
ANY HIGH-RISK CONSTRUCTO	ON WO K BEIN O KRIED OUT
☐ involves a risk of a person falling more than 2 meters	☐ is carried out on or near pressurised gas mains or piping
☐ is carried out on a telecommunication tower	carried out on or near chemical, fuel or refrigerant lines
☐ involves demolition of an element of a structure that is load-bearing	☐ is carried out on or near energised electrical installations or services
☐ involves demolition of an element related to the physical integration of a ructure	☐ is carried out in an area that may have a contaminated or flammable atmosphere
☐ involves, or is likely to involve, disturbing asb	☐ involves tilt-up or precast concrete
☐ involves structural alteration or repair that — quires term — ov sup — rt to prevent collapse	☐ is carried out on, in or adjacent to a road, railway, shipping lane or other traffic corridor
is carried out in or near a confined space	☐ is carried out in an area of a workplace where there is any movement of powered mobile plant
☐ is carried out in/near a shaft or trench deeper tha tunnel involving use of explosives	☐ is carried out in areas with artificial extremes of temperature.
☐ is carried out in or near water or other liquid that involves a risk of drowning.	☐ involves diving work.
ANY HIGH-RISK MACHINER	RY OR EQUIPMENT NEARBY

Version 2.5 Authorised by Review # Date of Issue: Review Date: 2



					RISK	MATRIX			
LIKELIHOOD	INSIGNIFICANT	MINOR	MODERATE	MAJOR	CATASTROPHIC	SCOBE	ACTION	HEIRARCHY OF CONTROLS	
ALMOST CERTAIN	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4 ACUTE	SCORE ACTION	ACTION	Elimination Remove the hazard.	
LIKELY	2 MODERATE	3 HIGH	3 HIGH	4 ACUTE	4 ACUTE	4A ACUTE	DO NOT PROCE	Substitution	
POSSIBLE	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	4 ACUTE	3H HIGH	Review befor work starts.	Replace the hazard.	
UNLIKELY	1 LOW	1 LOW	2 MODERATE	3 HIGH	4 ACUTE	2M MODERATE	Ensure control measures in place.	Isolate People from the hazard	
RARE	1 LOW	1 LOW	2 MODERATE	3 HIGH	3 HIGH	1L LOW	nitor and	Engineering Isolate the hazard.	
is the second m	rchy of Controls: ost effective metho nging the work is th	d of controlling a	hazard. Enginee	ring by isolati		et. 'ive, while	rd. Substitution Administrative effective	Administrative Change the work.  PPE	

				PERS		TIVE EQUIPM					
		Select the app	ropriate PPL	abo. ~uitab	ic or the equip	oment used or	the job task	being perform	ned (if applica	able).	
FOOT PROTECTION	HAND PROTECTION	HEAD PROTECTION	ARING STION	F' CTIO	RL PIRATORY PROTECTION	FACE PROTECTION	HIGH-VIS CLOTHING	PROTECTIVE CLOTHING	FALL PROTECTION	SUN PROTECTION	HAIR/JEWELLERY SECURED
Other PPE R	dequired:										
	Pe	ermit or Licen	ses Requirem	ents			Ma	indatory Qual	ifications and	Training	



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
Pre-start planning and documentation	Incomplete structural design information     Unclear crane lifting studies     Inadequate traffic management     Conflicting work activities     Unverified subcontractor competencies	4A	Review approved structural drawings, lifting uans and engineer's design certificates before commencing any precast or structural concrete work  Confirm crane lift studies cover all precast companels, slabs, lift shafts and large terrazzo units, including maximum radius, loads, outrigger positives and group bearing pressures  Conduct a formal pre-start rice assessment and Set MS houng with all workers, supervisors, doggers, riggers and crane one stars  Verify that all exant Highest Construction with a controlled in the SWMS in accordance with WHS Resultation.  Confirm all we are he exarrent HRW sences (e.g., dogging, rigging, crane operation, EWP) and construction industrial (White Cards)  Developed a site-specific Traffic Management Plan that clearly separates mobile plant, delivery ruch and penstrian walkways  Schedule precent deliveries and major concrete pours to avoid peak site congestion and to prevent overapping high-lik activities  Estable in exclusion zone layout plan on drawings for all precast erection and concrete pour areas and play on site notice boards  Development and the precent deliveries and major concrete pours to avoid peak site congestion and to prevent overapping high-lik activities  Estable in exclusion zone layout plan on drawings for all precast erection and concrete pour areas and play on site notice boards  Development and the structural drawings and lifting details are received and checked  Record minutes of pre-start coordination meetings and communicate agreed staging and sequencing to subcontractors	2M
Site and ground preparation	<ul> <li>Unstable ground conditions</li> <li>Subsurface service strikes</li> <li>Uncontrolled vehicle access</li> <li>Inadequate lighting</li> <li>Slip and trip hazards</li> </ul>	ЗН	<ul> <li>Engage a competent person to assess ground bearing capacity where cranes, concrete pumps or heavy delivery trucks will operate</li> <li>Mark and protect underground services using current Dial-Before-You-Dig information and site drawings before any ground penetration or heavy loading</li> <li>Install temporary hardstands or crane pads using engineered mats or compacted, proof-rolled fill where required by the lifting plan</li> <li>Set up barriers, bollards and signage to separate pedestrian routes from plant access roads, loading zones and tilt-up panel casting beds</li> <li>Provide task lighting to AS/NZS 1680 requirements where natural light is inadequate for safe precast handling and concrete works</li> <li>Remove loose debris from walkways and casting beds and maintain clear access to emergency exits and first aid points</li> <li>Install wheel stops, speed limits and one-way systems to control truck, Ute and mobile plant movement near precast erection zones</li> </ul>	1L



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
		1	• DO NOT set up cranes or concrete pumps over trenches, pits, underground tanks or unverified fill	1
			Inspect and maintain non-slip finishes on access ramps, stairs and working platforms around precast and formwork areas	
			Designate a level, compacted and signed prage area precast panels, columns, floor slabs, terrazzo units and lift shaft elements in accordance w. engir s requirements	
			• Direct delivery trucks into the unloading zone g a licensed agger or traffic controller wearing high-visibility clothing	
			Chock truck wheels and apply the brakes before it in gransport restraints from precast elements.	
	Load shift during unloading		Unload precast lits using prane forklifts or to handlers with verified Working Load Limits (WLL) suitable for an componer mass of central gravity	
Delivery and storage of	Stack collapse of precast elements		• Sect precaunits of ingineered A lines or stillages, ensuring tie-downs and props are fitted as per manuarier's in the one	
precast units	Unstable A-frames or stillages     Interaction with delivery vehicles	4A	Posit not eleme such as precast columns, tilt-up panels and lift shaft walls so they cannot topple onto we wan amen so risite offices.	2M
	Manual handling of lifting gear		Use me hance aids such as trolleys, spreader bars or panel lifters to handle lifting clutches, chains and b. as raper than nanually lifting heavy gear	
			Establin exclusion zone around unloading operations and prevent non-essential personnel entering til loads are stable and secured	
			• L NOT double-stack precast panels or slabs unless expressly allowed by the engineer and supported by written instructions	
			• Inspect chains, slings, clutches and lifting points on arrival for damage, correct tags and current inspection status in accordance with AS 3775 and AS 4991	
	Formwork collapse			
	Incorrect panel dimensions			
Formwork and casting bed setup	Protruding reo and trip hazards	3H		1L
bed selup	Nail and sharp edge punctures			
	Concrete blowouts			



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Fixing reinforcement and cast-in items	Contact with protruding reinforcement Incorrect placement of starter bars Trip hazards from reo offcuts Strain from tying reinforcement Embedded lifting point failure	ЗН		1L
Concrete placing and finishing	Concrete splashes to eyes and skin Line blockage and hose whip Plant contact with overhead powerlines Slips on wet concrete Noise and vibration exposure	3Н		1L



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
Curing, stripping and panel preparation	Premature stripping causing cracking Pinch points removing formwork Use of chemical strippers Flying debris from grinding Falling edges during Property	nH		1L
Lifting large precast components	Crane overturning Load drop from lifting point failure Swinging and collision of loads Rigging failure Workers in crush zone	4A		2M



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SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
Installation of precast columns and lift shafts	<ul> <li>Column instability during erection</li> <li>Collapse of lift shaft ware</li> <li>Working at open lift shafts</li> <li>Falling objects from height</li> <li>Incorrect temporary supports</li> </ul>	4A		2M



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
Installing precast floor and ceiling slabs	Falls from unprotected edges     Slab misalignment and collapse     Struck by moving units     Overloading partially supported slabs     Shear failure at connections	4A		2M
Tilt-up and tilt-pouring operations	Panel overturning during tilt Brace failure Crush injuries near pivot edge Uncontrolled panel movement Working under partially braced panels	4A		2M



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
Slip forming and slipform construction	Formwork instability at height     Fall from slipform platforms     Entrapment in moving forms     Concrete segregation from poor contrible Equipment failure or climbing systems			<b>1</b> 2M
Working at heights and access	Falls from edges and openings     EWP tip-over     Ladder misuse     Dropped tools and materials     Unsafe access between levels	4A		2M



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
Finishing and terrazzo precast work	<ul> <li>Silica dust from inding</li> <li>Chemical exposure consequence</li> <li>Manual handling of terrazzo units</li> <li>Noise from cutting equip.</li> <li>Trip hazards from surface irregularities</li> </ul>	ЗН		1L
Demobilisation and post-install checks	Premature brace removal     Residual construction debris	3H		1L



JOB STEP	POTENTIAL HAZARDS	IR	CONTROL MEASURES	RR
SPECIFIC WORK STEPS	HAZARDS THAT MAY ARISE	INITIAL RISK	SPECIFIC MEASURES TO BE PUT IN PLACE TO ELIMINATE OR CONTROL THE RISKS	RESIDUAL RISK
	Unmarked structural changes			
	Unprotected penetrations			
	Vehicle and plant interaction during demob			

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#### **EMERGENCY RESPONSE - CALL 000 FOR EMERGENCIES**

Ensure to have an Emergency Management Plan in place as well as adequate numbers of trained first aid staff with easy access to fully stocked first aid kits, rescue equipment, material safety data sheets, adequate access to emergency communication equipment and fire-fighting equipment suitable for all classes of fire and ignition sources.

#### LEGISLATIVE REFERENCES

RELEVANT LEGISLATION AND CODES OF PRACTICE. DELETE THE LEGISLATIVE REFERENCES. ANY STATE AT ARE NOT APPLICABLE.

#### **Queensland & Australian Capital Territory**

Work Health and Safety Act 2011

Work Health and Safety Regulations 2011

Legislation QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/work-health-and-safety-laws Codes of Practice QLD: https://www.worksafe.qld.gov.au/laws-and-compliance/codes-of-practice

Legislation ACT: https://www.worksafe.act.gov.au/laws-and-compliance/acts-and-regulations

Codes of Practice ACT: https://www.worksafe.act.gov.au/laws-and-compliance/codes-of-practice

#### **New South Wales**

Work Health and Safety Act 2011

Work Health and Safety Regulations 2025

Legislation NSW: https://www.safework.nsw.gov.au/legal-obligations/legislati

Codes of Practice NSW: https://www.safework.nsw.gov.au/resource-library/lis

#### **Northern Territory**

Work Health and Safety (National Uniform Legislation) Act 2011

Work Health and Safety (National Uniform Legislation) Regulation 201

Legislation NT: https://worksafe.nt.gov.au/laws-and-compliance/wo

Codes of Practice NT: https://worksafe.nt.gov.au/f -resourd

#### South Australia

Work Health and Safety Act 2012 (SA)

Work Health and Safety Regulations 2012 (SA)

Legislation for SA: https://www.safework.sa.gov.au/resources/le lation

Codes of Practice for SA: https://www.safework.sa.gov.au/wor/ aces/codes-of-practice#COPs

#### Tasmania

Work Health and Safety Act 2012

Work Health and Safety (Transitional and Consequential Provisions) Act 2012

Work Health and Safety Regulations 2012

Work Health and Safety (Transitional) Regulations 2012

Legislation for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/acts-and-regulations

Codes of Practice for TAS: https://worksafe.tas.gov.au/topics/laws-and-compliance/codes-of-practice

Details of permits, licenses or access required by regulatory bodies (add or delete as required):

- Permits from local council
- Authorisation to commence work
- Any required documents.

#### Victoria

Or pational Health a. Safety Act J4

Occ ational Health and afety gulations 2017

Legis on VIC: https://www ksafe.vic.gov.au/occupational-health-and-safety-act-and-

tes of actice V/ attps://www.worksafe.vic.gov.au/compliance-codes-and-codes-practice

#### Western Australia

Work Health and Safety Act 2020

Work Health and Safety Regulations 2022

Legislation Western Australia: https://www.commerce.wa.gov.au/worksafe/legislation Codes of Practice WA: https://www.commerce.wa.gov.au/worksafe/codes-practice

#### Safe Work Australia Links

Law and Regulation (All States): https://www.safeworkaustralia.gov.au/law-and-regulation Model Codes of Practice: https://www.safeworkaustralia.gov.au/resources-publications/modelcodes-of-practice

#### Model Codes of Practice

- Managing noise and preventing hearing loss at work
- Confined spaces
- Labelling of workplace hazardous chemicals
- Managing risks of hazardous chemicals in the workplace
- Welding processes
- First aid in the workplace
- Managing the risk of falls at workplaces
- Hazardous manual tasks
- Managing the risk of falls in housing construction
- Managing electrical risks in the workplace
- Demolition work
- Excavation work
- Work health and safety consultation, cooperation and coordination
- Managing the work environment and facilities
- How to manage work health and safety risks
- Managing risks of plant in the workplace
- Construction work





#### SIGNATORIES OF THE SAFE WORK METHOD STATEMENT

The signed and dated personnel listed below have cooperated in the consultation and development of this Safe Work Method Statement which has been approved by the Person/s Conducting a Business or Undertaking (PCBU). In signing this Safe Work Method Statement each individual acknowledges and confirms that they have read this SWMS in full, having raised any questions for items on this Safe Work Method Statement that require clarification, and confirms that they are competent, skilled and knowledgeable for the task assigned to them. Every person acknowledges that they have received the relevant training and qualifications where required, before carrying out any work contained in this Safe Work Method Statement. By signing this Saf Work Method Statement each individual agrees to work safely, to follow any safe work instructions which are provided, and agrees to use all Personal Protective Equipment where appropriate.

Worker Name	Signature

### SAFE WORK N. THE STATEMENT MONITORING AND REVIEW

The SWMS must be reviewed regularly to make sure it remains fective of must be reviewed (and revised if necessary) if relevant control measures are rovised. The view respectively should be carried out in consultation with workers (including contractors as a sub-intractors of the SWMS and their health and safety representatives who represented that work group at the workplace.

When the SWMS has been revised the PCBU must ensure that advised that a revision has been made and how they can access the revised SWMS, including all persons who will need to change a work procedure or system as a rest of the review are advised of the changes in a way that will enable them to implement their duties and the revised SWMS. All workers that will be involved in the work must be provided with the relevant information and instruction that will assist them to understand and implement the revised SWMS.

The SWMS must be monitored regularly for the effectiveness of ensuring hazard controls are effective in reducing the risk of incidents, keeping the workplace safe for all personnel. The person responsible for monitoring the effectiveness of the Safe Work Method Statement should employ a multi-faceted approach which includes but is not limited to:

- Spot Checks.
- 2. Consultation with workers, contractors and sub-contractors.
- 3. Internal audits on a continual basis.

An approach of continuous improvement, promptly recording inconsistencies or deficiencies, followed up by immediate corrective action and consultation with all relevant personnel ensures that the PCBU is consistently developing ever-improving systems of safe work principles.

REVIEW NUMBER	1	2	3	4	5	6	7
NAME							
INITIALS							
DATE							

Version 2.5 Authorised by Review # Date of Issue: Review Date: 14





### SAFE WORK METHOD STATEMENT REVIEW CHECKLIST

This Safe Work Method Statement Review Checklist is to be followed and used upon initial development of the SWMS to help ensure that all steps have been adequately taken before work commences. Think of this document as an internal audit review checklist before commencing work, and may form part of a Toolbox Talk (safety meeting) and may be used as an opportunity for education and training.

ITEMS WHICH MUST BE INCLUDED IN THE SWMS	COMPLETED	COMMENTS
The company details have been entered, including the project name and address.		
All relevant personnel consulted during the development of the SWMS.		
Name, signature, position and date signed of the person approving the SWMS.		
Specific personnel and qualifications, experience is noted in the SWMS.	7	
Provides a step-by-step process of tasks required to carry out the activity or task.	k	
Adequate risk assessment of any identified hazards has been completed.	$\boxtimes$	
Foreseeable hazards are identified and documented for each step.	$\boxtimes$	
Any hazards listed in any site risk assessments have been added to the SWMS		
SWMS initial risk (IR) column as well as residual risk (RR) colum mpleted.	$\boxtimes$	
Check control measures added to the SWMS are the most effective selections.	$\boxtimes$	
Responsible person is assigned and listed on the part of the important of	$\boxtimes$	
Permit or licenses requirements specified, sur as Hot Work, Electric Work, Work at Heights etc.	$\boxtimes$	
SWMS identifies plant and equipment to be use	$\boxtimes$	
Details of inspection checks required for any equipment listed an onthe SWMS.	$\boxtimes$	
Describes any mandatory qualifications, experience, use or skills required to perform the work.	$\boxtimes$	
Applicable personal protective equipment is selected on the SWMS.		
Reflects and documents any legislative references and/or Australian Standards.	$\boxtimes$	
Identifies any hazardous substances used with specific control measures in line with any SDS.	$\boxtimes$	
REVIEWED BY	DATE REV	/IEWED
SIGNATURE	DATE COM	PLETED