FORMWORK HOIST

Model: 2T-275-197-A

AUSTRALIAN CONSTRUCTION SYSTEMS OPERATIONS PTY. LTD. 37 Colbert Road, Campbellfield, Victoria, Australia. Tel.: +61 3 9357 9686

> Jan. 2016 Version 1.2

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1.0 INTRODUCTION

The purpose of this hoist is to raise formwork material & equipment from the floor being stripped to the next level being formed. A maximum of two tonnes can be raised with this formwork hoist. Penetrations in the slab need to be provided to allow the frame to sit at the level being stripped (Refer to general arrangement drawing).

This hoist should not be used to shift personnel to different levels.

The hoist to be used in this frame is to be a 2.0t dual speed 415V-50Hz with inverter (Kito hoist CODE: ER2-020IL or similar).

No unauthorized modifications are permitted. The hoist should only be used for its intended purpose.

1.1 Design	Criteri	<u>a:</u>				
-	Crane	classification:	C3, S3			
-	Desigr	ı Life:	10 years			
-	Lifting:					
	0	Spectrum:		k _p =0.2	25	k _p =.5
	0	Number of operation	on cycles:	1.25 x	10 ⁵	6.3 x 10⁴
-	Geome	etry: refer to the gene	eral arrangement	t drawing	gs in this manual.	
-	Loads	– vertical:				
	0	Self-weight:	3.5 T			
	0	Rated capacity:	2.0 T			
-	Hoist:					
	0	Qty supplied:	1			
	0	Lifting speed	4.3m / min (MA	λX).		
	0	Acceleration:	0.4m/s ² (MAX).			
-	Desigr	wind speed (permis	sible):			
	0	In service	20 m/s (MAX).			
	0	Out of service	(no load on ho	ok)	36.7m/s MAX (includ wind direction, terrai shielding topography	n, height,
	Б .					-

- Design Loads: For design loads imposed on building, refer to Figure S1.

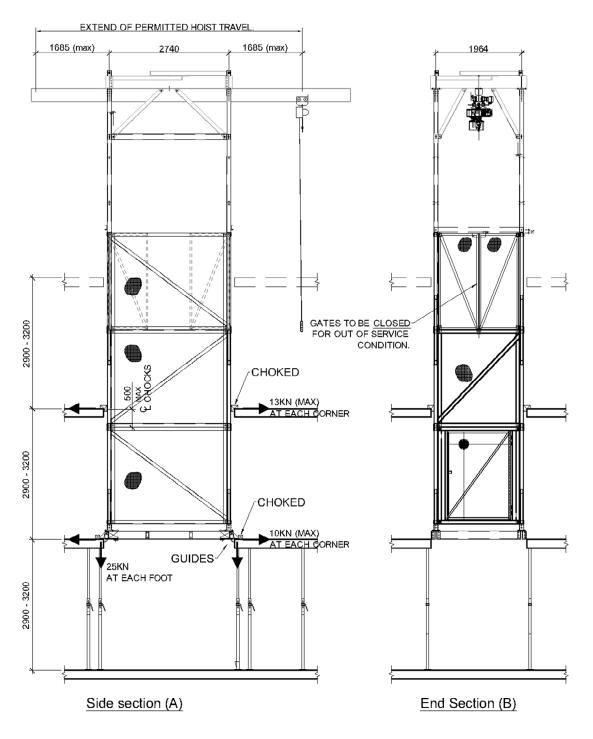
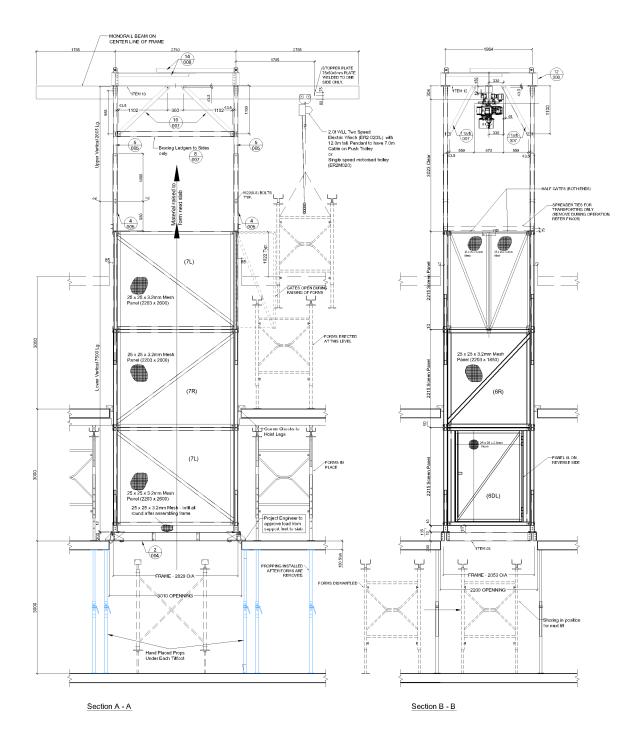
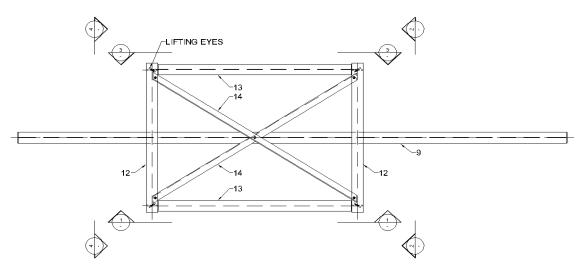


Figure S1: FRAME LOADS

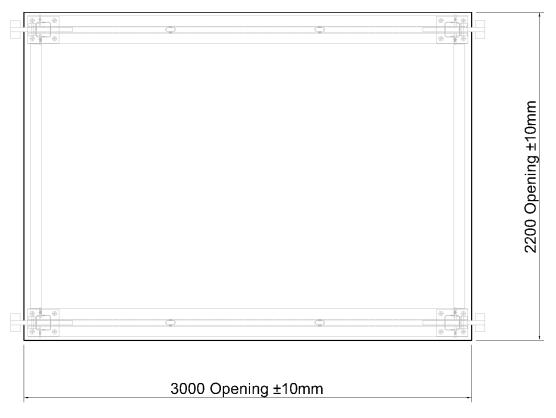
2.0 ASSEMBLY DETAILS



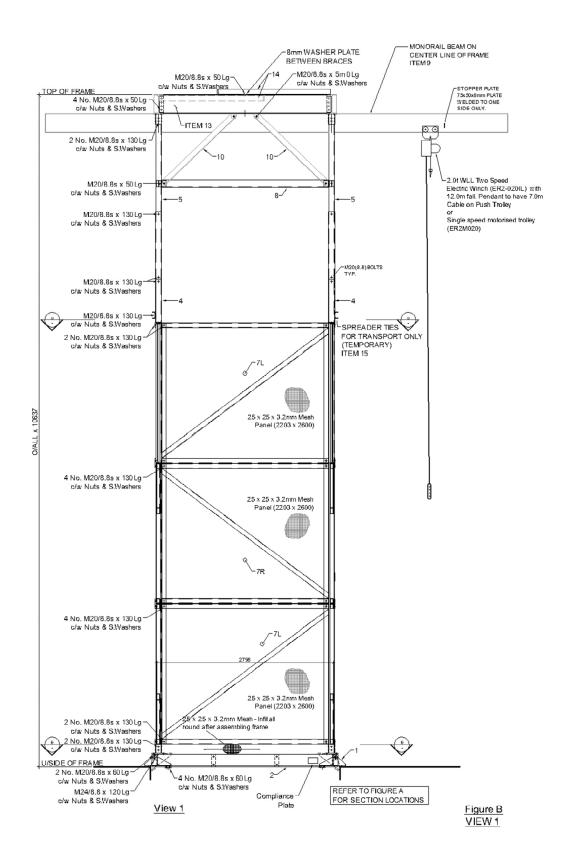
GENERAL ARRANGEMENT SECTIONS







Concrete opening Requirements:



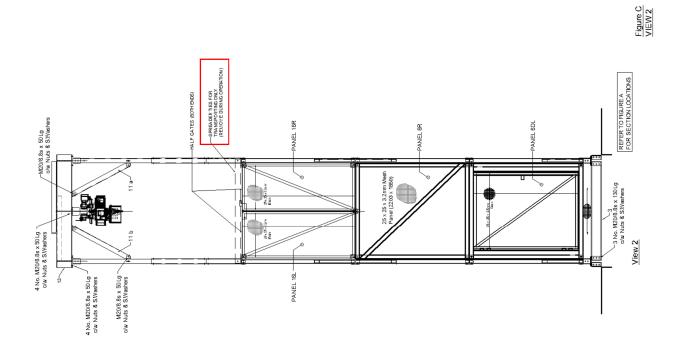
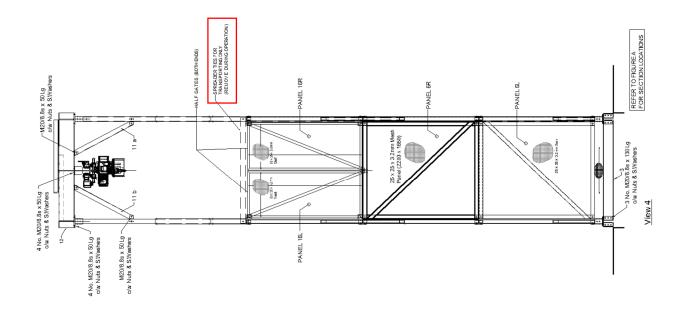
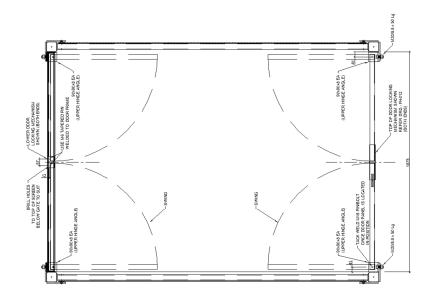


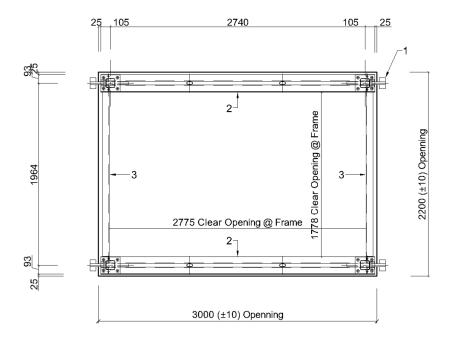
Figure E VIEW4





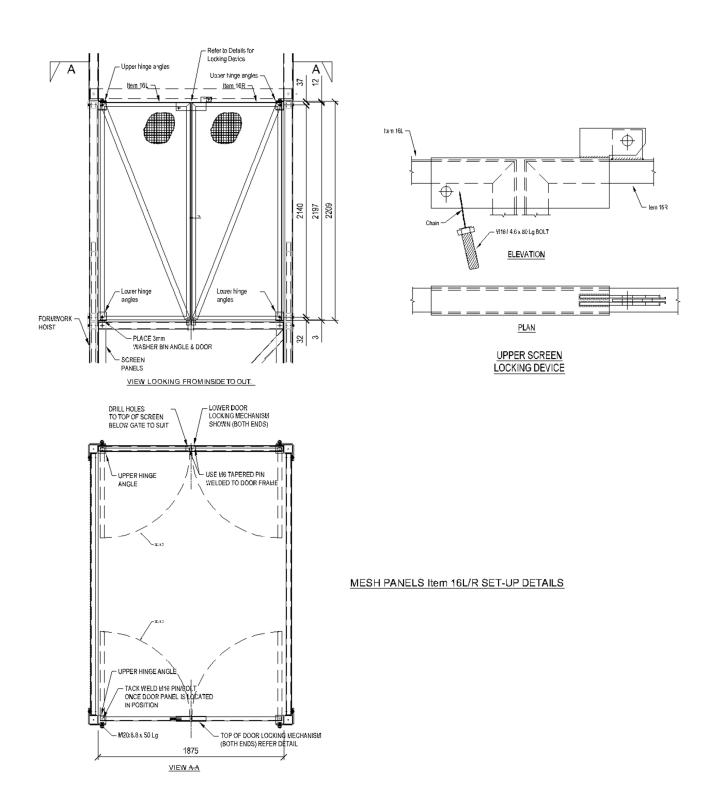




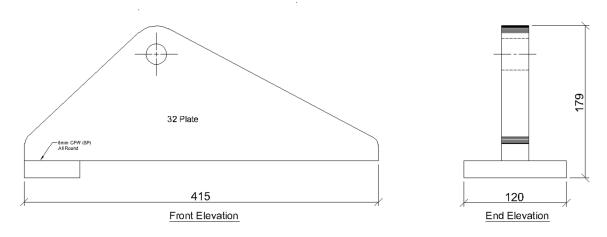


View 6

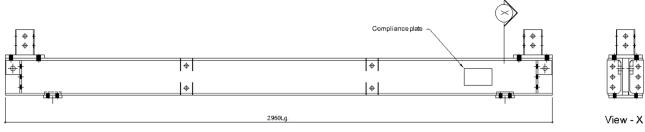




3.0 COMPONENT DETAILS



Item 1: Tiltfeet Qty = 4 off



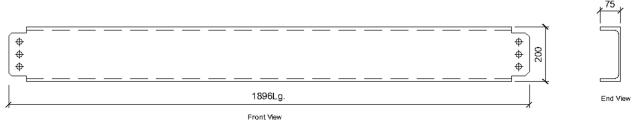
Front Elevation



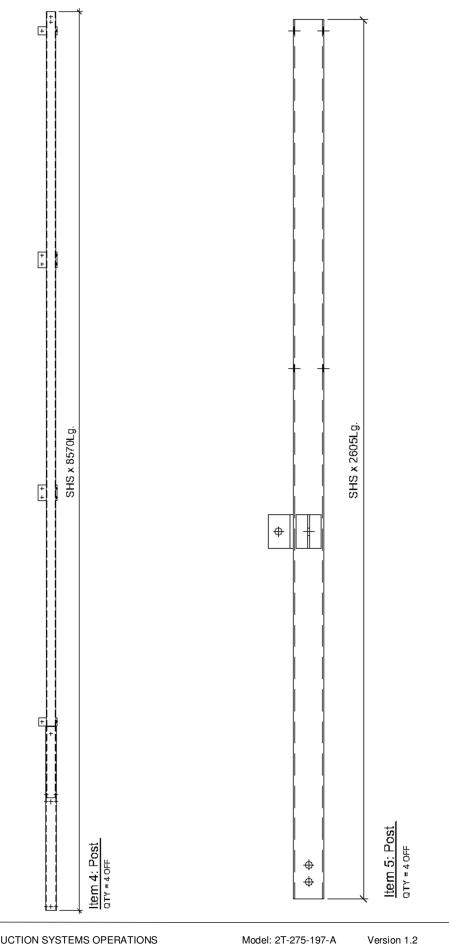
Plan

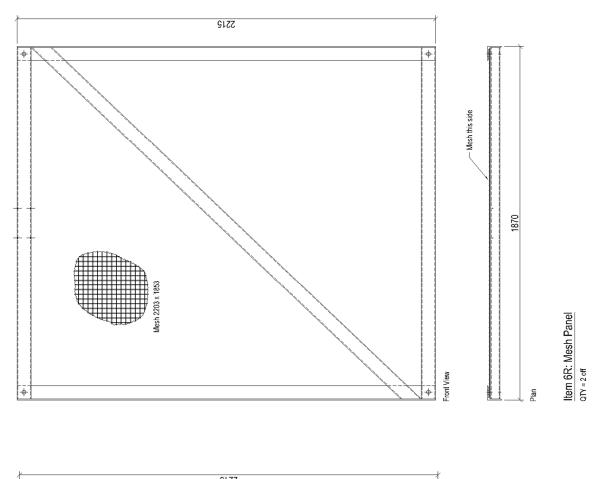
Item 2 : Support Beam

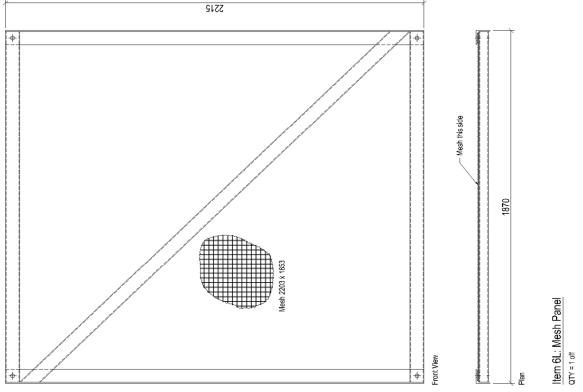
Qty. = 2 Assemblies



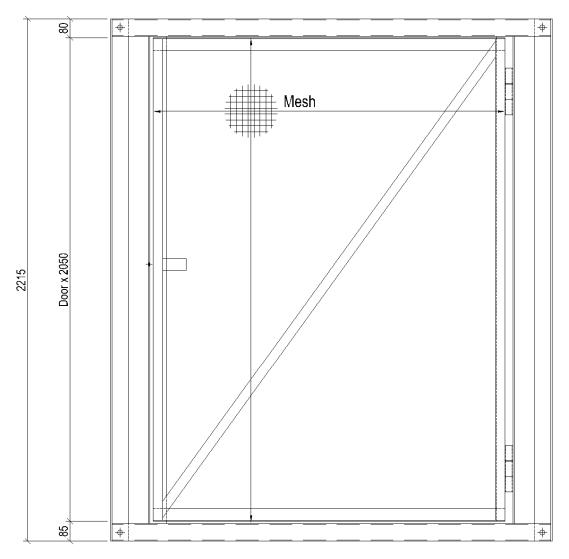
Item 3: Support Beam_ QTY = 2 OFF



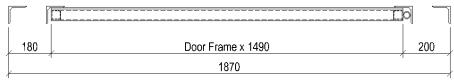




Version 1.2

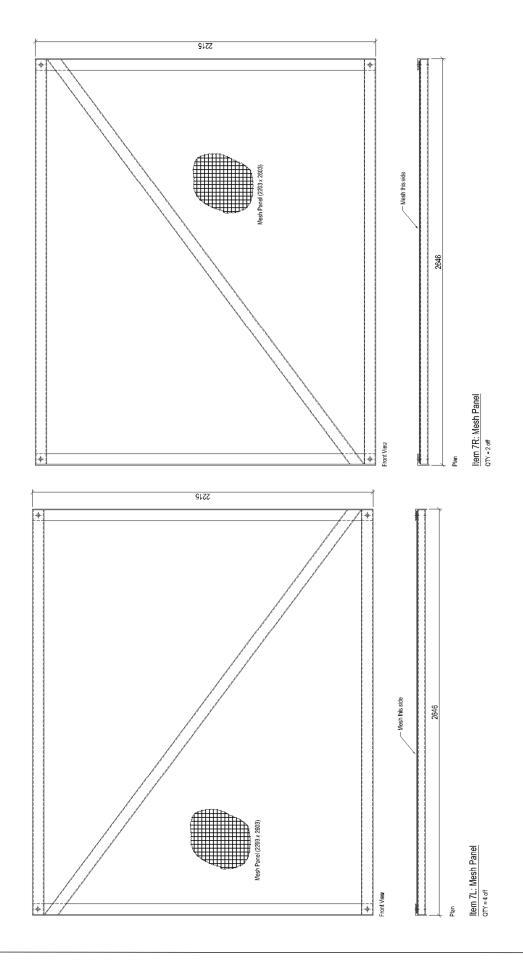


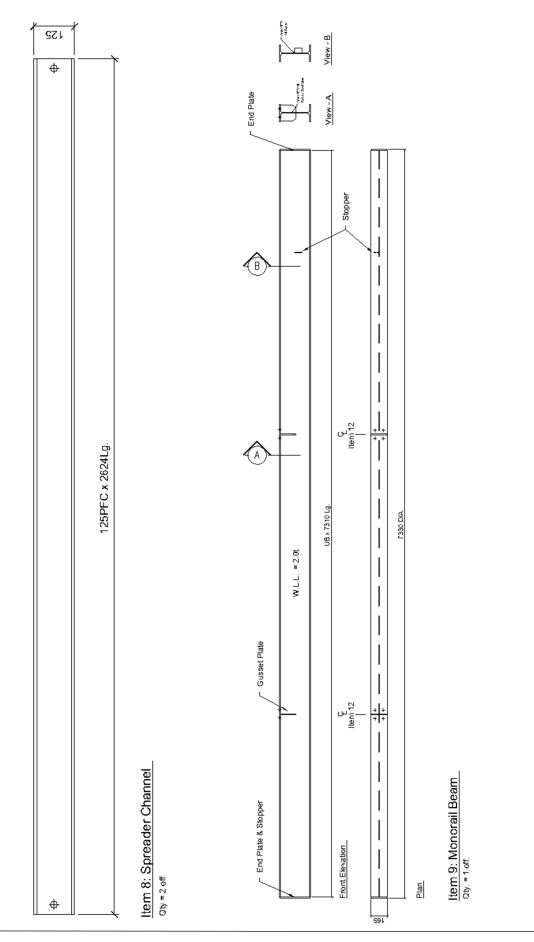
Front View

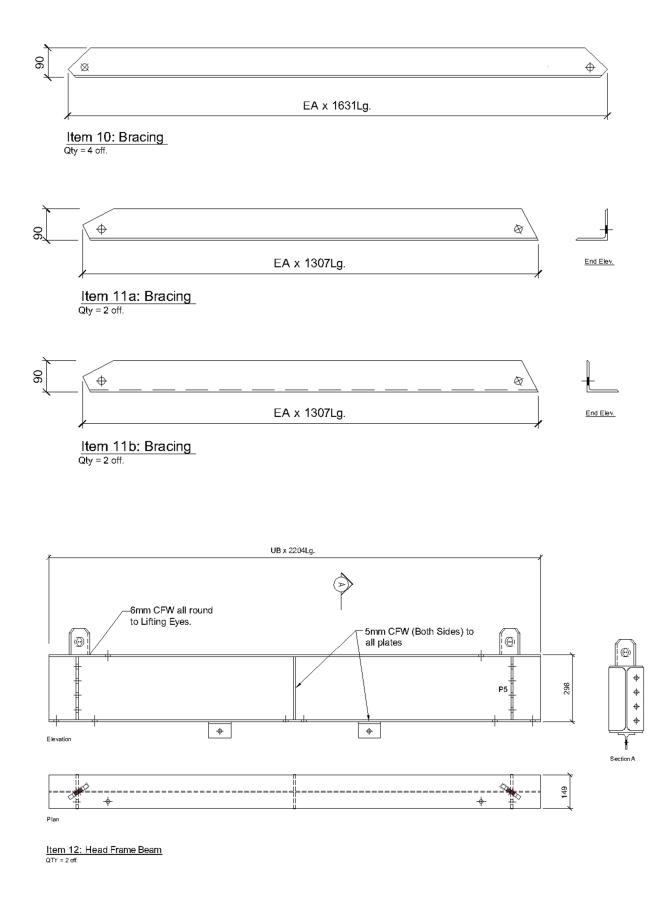


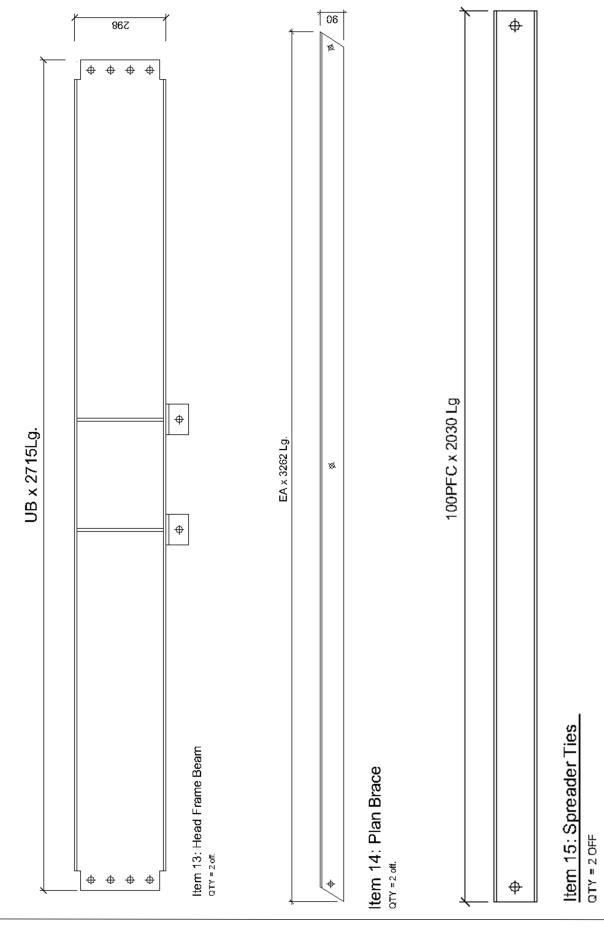
Plan

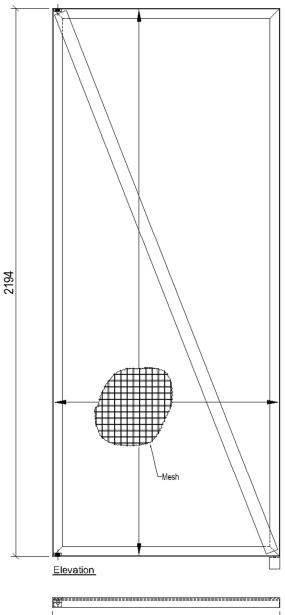
Item 6LD: Door Panel QTY = 1 off

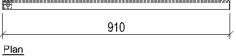




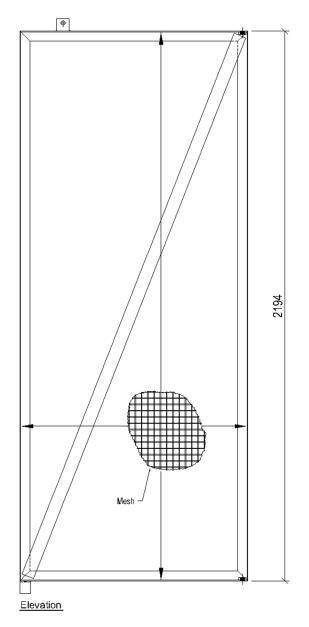








Item 16L: Mesh Panel



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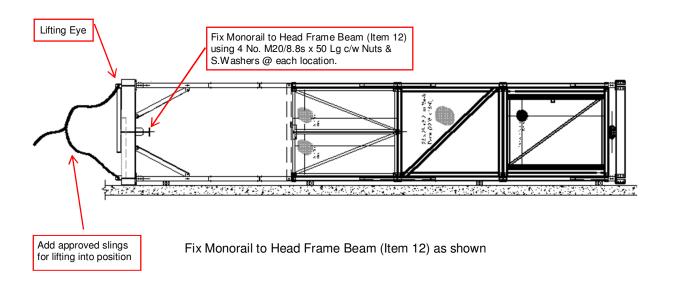
<u>Plan</u>

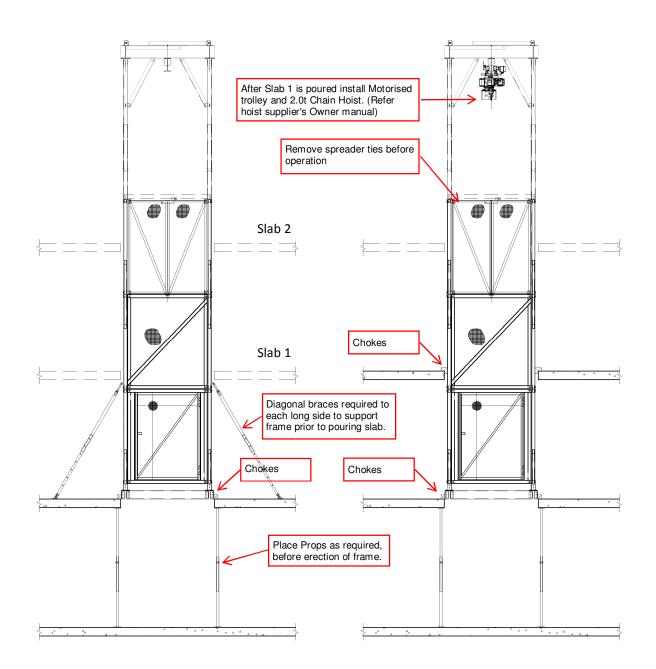
Item 16R: Mesh Panel

4.0 SITE ASSEMBLING & ERECTION DETAILS



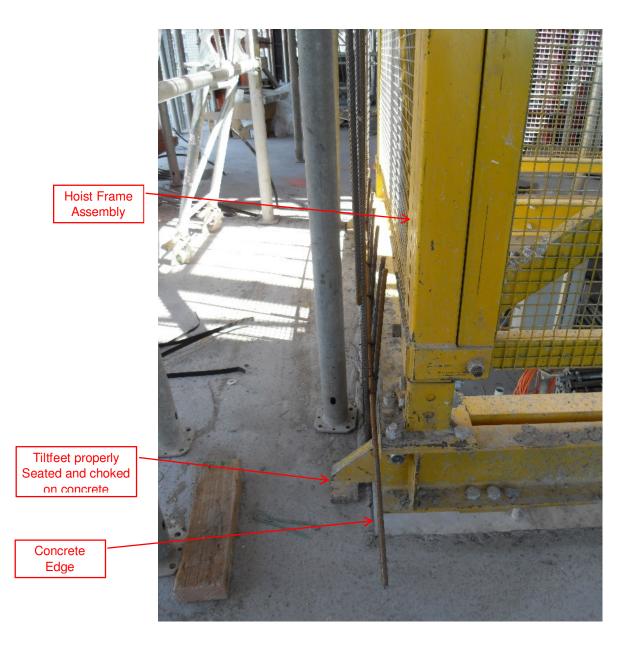
Hoist Frame delivered as Pre-Assembled. Monorail and Hoist to be assembled on site.





Erect Props





Ensure Tiltfeet properly seated on concrete

5.0 CERTIFICATION



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61.00408-383-266 E john@constructioneng.com

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SUITS SURVEIDENCE DONCASTERIVICISTOS AUSTRALIA

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SEXY CES PTY LTD T/A CONSTRUCTIONEERING ABN 0.6 006 267 634

5.8.1

Australian Construction Systems Operations Pty Ltd 37 Colbert Road, Campbellfield VIC 3061

18th January 2016

Attn: Peter Tsirigotis C.C.: Graham Shaw

PROOF ENGINEERING CERTIFICATE OF COMPLIANCE 2.0 T FORMWORK HOIST FRAME (MODEL NO. 2T-275-197-A)

The above mentioned frame as depicted on,

Drawing Nos. GA-01 Rev.3 and component drawings nos. FH-001(3) thru FH-014(3) inclusive

by Australian Construction Systems Operations Pty Ltd

subject to the published capacities of proprietary components, correct fabrication, installation, operation and maintenance, complies with the following published technical standards:

AS 1170.0	SA Structural Design Actions Code, General Principles
AS 1170.1	SA Structural Design Actions Code, Permanent, Imposed and
	Other Actions
AS 1170.2	SA Structural Design Actions Code, Wind Actions
AS 1418.1	SA Cranes Code, General Requirements
AS 1418.2	SA Cranes Code, Serial Hoists and Winches
AS 1418.18	SA Cranes Code, Crane runways and monorails
AS 3990	SA Mechanical Equipment - Steelwork Code

This certificate is based on design criteria and operational requirements specified in the manual, 'Formwork Hoist Model: 2T-275-197-A' Version 1.2 dated Jan 2016.

It is owner's responsibility to maintain, inspect and repair the plant in accordance with the above-mentioned manual, relevant part of AS 1418 and AS 2550 and any applicable local regulations.

Yours sincerely,

Ken Nagato CONSTRUCTIONEERING

6.0 RISK ASSESSMENT



431 Planning – Identification of Hazards and Risks

Plant	Risk A	ssessme	nt Form 4	31.F1			_				
	PLANT DE	ESCRIPTION	2T FORMWORK	HOIST FRAME			ASSE	SSMENT NUN	/IBER	ACSO	001
ASSESSI	MENT COM	IPLETED BY	Australian Cons	truction Systems Operations Pt	/ Ltd		DAT	IENT 1	3/11/20	15	
RISK ASSE	SSMENT S	SYSTEM									
Conseque	nce using	propriate level the examples p Consequence a	of rovided.	SEVERE FATALITY FAILURE OF PROJECT MAJOR ENVIMPACT, ESCAPED FROM SITE	10 HIGH	15 HIGH	20 SEVERE		25 /ERE		
matrix un Likelihood	til you rea I.	ch the most sui	table UENCES	MAJOR LTI &/OR MULTIPLE MTI/ ADI DAMAGE >\$100,000 MAJOR ENV IMPACT, CONTAINED TO SITE	4	4 MEDIUM	8 MEDIUM	12 HIGH	16 HIGH		20 /ERE
Level.		ntersecting bo> r in the Assessn		MODERATE MTV ADI DAMAGE >\$10,000 MINOR ENV IMPACT, ESCAPED FROM	3	3 MEDIUM	6 MEDIUM				15 IGH
directed.		d implement th Controls the or		SITE MINOR FTI DAMAGE >\$1000 MINOR ENV IMPACT, CONTAINED TO	2	2 LOW	4 MEDIUM	6 MEDIUM	8 MEDIUM		10 IGH
		ould be Eliminat Protective Equ		SITE	1	1 LOW	2 3 LOW MEDIUM ME		4 MEDIUM		5 DIUM
			_			1	2	3	4		5
SEVERE HIGH MEDIUM	25 - 20 16 - 10 9 - 3	A High Risk Act to commencing High a Senior M commenced. A Medium Risk	the task/ where the task/ where the task/ where the task/ where the task of task o	Controls to be implemented prior the Risk is not reduced below noff on the activity before it is idertaken once all practical		RARE	UNLIKELY	POSSIBLE	LIKELY		ALMOST CERTAIN
LOW	2-1		<mark>een implemented</mark> vity can be undert	aken with no further action.		LIKELIHOOI					
REDUCING	G THE ASS	ESSED RISK US	ING THE HIERA	CHY OF CONTROL	1					RISK REDUCTION	MINIMUM RISK LEVEL
	Eliminatio	on	■ Bi	nazard Ifety - remove hazardous electrical p Jsiness - no longer perform operatio Ivironmental - cease in-house opera	n or su	pply that produ	ict &/ or service	2		25	0
	Substituti	ion	Substitute the Sa Bu	hazard with a lesser risk ifety - substitute movable electrical j usiness - alter a time consuming proo ivironmental - exchange chemicals fi	olant fo cess, fo	or fixed. Ir a faster/ more	e cost effective			16	1
	Isolate the hazard Isolate the hazard Isolation/ Engineering Safety - place hazardous electrical plant in enclosures with restricted access Isolation/ Engineering Business - joint venture business proposals to have own ACN to protect existing company. Isolation/ Engineering Environmental - conduct loud works away from others or behind a sound barrier. Use engineering controls Safety - handrails/ physical barriers to protect live edges. Business - place a barrier between your company and the hazard, e.g. external review process &/ or insurance.									9	1
	Administ	rative	Use administra Sa Bi	wironmental - install drip trays unde titve controls ifety - implement safe work practice isiness - implement standard proces wironmental - recycling/ re-use polic	s, instr ses/ qı	uction and trair	ning.	· · · ·		4	1
	Personne Equipmer	l Protective nt (PPE)	Use personal p Sa	rotective equipment ifety - use rubber mats, insulated glo onjunction with above measures).		ve protection, b	oots, and head	gear (also to b	e used in	1	1

When calculating Risk Reduction a control level type can only be applied once to the level of risk, so multiple applications of an administration control will still only provide a -4 to the overall risk level.



431 Planning – Identification of Hazards and Risks

PL/	ANT DESCRIPTION	2T FORMWORK HOIST FRAME							ASSESSMENT NUMBER			
ITEM	DESCRIPTION		IS THE RISK?			LIKEUHOOD	RISK	CONTROL MEASURES		SUBSIDIARY RISK	PERSON RESPONSIBLE	IMPLEMENTATION
TTEIN	DESCRIPTION		YES	NO	ENCE	D				RY RISK	PERSON RESPONSIBLE	REQUIRED BY
1.0	ENTANGLEMENT	ne entangled due to;										
1.1	Their hair, clothing brushes, rages or o	, gloves, neck-tie, jewellery, cleaning ther materials become entangled with f the plant or materials in motion?	\boxtimes		4	2	8	 All persons operating the hoist are to be trained via toolbox training prior to use of the hoist. Ensure that all persons are clear of the hoist or its load prior to lifting/ lowering. 	4	4	Supervisor & Persons performing task	Prior to the use of the plant
2.0	CRUSHING	chad due to:										
2.1	Can anyone be crus Material falling off		\boxtimes		5	3	15	 Materials lifted by the hoist are to be suitable restrained e.g. strapped together, lifted in stillage, etc. All persons operating the hoist are to be trained via toolbox training prior to use of the hoist. Persons are not to stand under a load supported by the hoist & persons attaching loads to act as spotters to prevent other personnel from entering lift area. 	9	2	Supervisor & Persons performing task	Prior to the use of the plant
2.2	Uncontrolled or un load?	expected movement of the plant or its			5	2	10	 2T Formwork Hoist Frame is braced to the slab preventing of the Hoist Frame from moving. Materials lifted by the hoist are to be suitable restrained e.g. strapped together, lifted in stillage, etc. All persons operating the hoist are to be trained via toolbox training prior to use of the hoist. Persons are not to stand under a load supported by the hoist & persons attaching loads to act as spotters to prevent other personnel from entering lift area. 	9	1	Supervisor & Persons performing task	Prior to the use of the plant
2.3	Lack of capacity for immobilised?	r the plant to be slowed stopped or	X		4	2	8	 All persons operating the hoist are to be trained via toolbox training prior to use of the hoist. Persons are not to stand under a load supported by the hoist & persons attaching loads to act as spotters to prevent other personnel from entering lift area. Ensure that all persons are clear of the hoist or its load prior to lifting/ lowering. 	4	4	Supervisor & Persons performing task	Prior to the use of the plant
2.4	The plant tipping o	r rolling over?		\boxtimes								
2.5	Parts of the plant c	ollapsing?			5	1	5	 The 2T hoist is to be operated as per the manufacturer's instructions. WWL of the plant is 2T; all lift accessories to rated at a minimum of 2T. 	4	1	Supervisor, Persons performing task & Certifying Engineer	Prior to the use of the plant &



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431 Planning – Identification of Hazards and Risks

PL	ANT DESCRIPTION 2T FORMWORK HOIST FRAME				ASSESSMENT NUMBER ACSO001							
ITEM	DESCRIPTION	IS THERE A RISK?		LIKELIHOOD		RISK	CONTROL MEASU		RISK REDUCTION	SUBSIDIARY RISK	PERSON RESPONSIBLE	IMPLEMENTATION
TTEINI	DESCRIPTION	YES	NO	ENCE	DD		CONTROL MEASO		JCTION	RY RISK	PERSON RESPONSIBLE	REQUIRED BY
							toolbox train	perating the hoist are to be trained via ing prior to use of the hoist. been certified by an independent				Prior to the manufacture of the plant
2.6	Coming in contact with moving parts of the plant during testing, inspection, operation, maintenance?	\boxtimes		4	2	8	toolbox train	perating the hoist are to be trained via ing prior to use of the hoist. Il persons are clear of the hoist or its load ʒ/ lowering.	4	4	Supervisor & Persons performing task	Prior to the use of the plant
2.7	Being thrown off or under the plant?											
2.8	Being trapped between the plant and materials or fixed structures?			4	2	8	toolbox train Materials to l of the hoist to raised.	perating the hoist are to be trained via ing prior to use of the hoist. pe raised are to be placed under the centre p prevent swinging when materials are II persons are clear of the hoist or its load g/ lowering.	4	4	Supervisor & Persons performing task	Prior to the use of the plant
2.9	Other factors not mentioned?		\boxtimes									
2.9.1			\boxtimes									
3.0	CUTTING, STABBING AND PUNCTURING Can anyone be cut, stabbed or punctured due to;											
3.1	Coming in contact with sharp or flying objects?	\boxtimes		THIS	IS A W	ORKP	LACE SPECIFIC RISK					
3.2	Coming in contact with moving parts of the plant during testing, inspection, operation, maintenance, cleaning or repair of the plant?											
3.3	The plant, parts of the plant or work pieces disintegrating?											
3.4	Work pieces being ejected?		\boxtimes									
3.5	The mobility of the plant?											
3.6	Uncontrolled or unexpected movement of the plant?											
3.7	Other factors not mentioned?											
3.7.1			\boxtimes									
4.0	SHEARING											



431 Planning – Identification of Hazards and Risks

								ASSESSMENT NUMBER ACSO001				
		IS THE RISK?				RISK		RISK REDUCTION	SUBSIDIARY RISK		IMPLEMENTATION	
ITEM [DESCRIPTION	YES	NO	JENCE	OĐ		CONTROL MEASURES	UCTION	RY RISK	PERSON RESPONSIBLE	REQUIRED BY	
0	Can anyone's body parts be sheared between;											
4.1 T	Two parts of the plant?		\boxtimes									
4.2 A	A part of the plant and a work piece or structure?			4	2	8	 All persons operating the hoist are to be trained via toolbox training prior to use of the hoist. Materials to be raised are to be placed under the centre of the hoist to prevent swinging when materials are raised. Ensure that all persons are clear of the hoist or its load prior to lifting/ lowering. 	4	4	Supervisor & Persons performing task	Prior to the use of the plant	
	FRICTION											
	Can anyone be burnt due to contact with; Moving parts or surfaces of the plant?		\boxtimes									
	Materials handled by the plant?											
6.0 S	STRIKING Can anyone be struck by moving objects due to;											
6.1 L	Uncontrolled or unexpected movement of the plant or materials handled by the plant?			4	2	8	 All persons operating the hoist are to be trained via toolbox training prior to use of the hoist. Materials to be raised are to be placed under the centre of the hoist to prevent swinging when materials are raised. Ensure that all persons are clear of the hoist or its load prior to lifting/ lowering. Persons are not to stand under a load supported by the hoist & persons attaching loads to act as spotters to prevent other personnel from entering lift area. 	4	4	Supervisor & Persons performing task	Prior to the use of the plant	
	The plant, parts of the plant or work pieces disintegrating?		\boxtimes									
	Work pieces being ejected?		\boxtimes									
6.4 N	Mobility of the plant?		\boxtimes									
6.5 C	Other factors not mentioned?		\boxtimes									
6.5.1			\boxtimes									
7.0 F	HIGH PRESSURE FLUID											



431 Planning – Identification of Hazards and Risks

PL/	ANT DESCRIPTION 2T FORMWORK HOIST FRAME							ASSESSMENT NUMBER ACSO00					
	DESCRIPTION		RE A	CONSEQUENCE	LIKELIHOOD	RISK		risk redi	SUBSIDIARY		IMPLEMENTATION		
ITEM			NO	JENCE	DOD		CONTROL MEASURES	REDUCTION	NRY RISK	PERSON RESPONSIBLE	REQUIRED BY		
	Can anyone come into contact with fluids under high pressure due to;												
7.1	Plant failure or misuse of the plant?		\square										

8.0	ELECTRICAL Can anyone be injured by electric shock or burns due to;										
8.1	The plant contacting live electrical conductors?		THIS	IS A W	ORKP	LACE SPECIFIC RISK					
8.2	The plant working in close proximity to electrical conductors?		THIS	IS A W	/ORKP	LACE SPECIFIC RISK					
8.3	Overload of electrical circuits?		THIS	IS A W	/ORKP	LACE SPECIFIC RISK					
8.4	Damaged or poorly maintained electrical leads and cables?		5	3	3 h 15 All electrical equipment to be RCD protected. 9 Supervisor • Tested and tagged as per relevant standard. • Visual check on electrical leads and equipment prior to 4 energising each day. Prior to the of the plant task energies and equipment prior to the plant task energies and ta						
8.5	Damaged electrical switches?		5	2	10	 Tested and tagged as per relevant standard. Visual check on electrical leads and equipment prior to energising each day. 4 6 8 9ersons performing task Prior to the use of the plant 					
8.6	Water near electrical equipment?		THIS	IS A W	ORKP	LACE SPECIFIC RISK					
8.7	Lack of isolation/ "out of service" procedures?		THIS	IS A W	/ORKP	LACE SPECIFIC RISK					
8.8	Other factors not mentioned?	\boxtimes									
8.8.1											
9.0	EXPLOSION Can anyone be injured due to;										
9.1	Explosion of gases, vapours, liquids, dust or other substances, triggered by the operation of the plant or by materials handled by the plant?										
10.0	SLIPPING, TRIPPING AND FALLING Can anyone using the plant or in the vicinity of the plant, slip trip or fall due to;										
10.1	Uneven or slippery work surfaces?		THIS	IS A W	ORKP	LACE SPECIFIC RISK					



431 Planning – Identification of Hazards and Risks

PL/	ANT DESCRIPTION 2T FORMWORK HOIST FRAME									,	ASSESSMENT NUMBER	ACSO001
		IS THERE A RISK?		CONSEQUENCE					RISK REDUCTION	SUBSIDIARY RISK		IMPLEMENTATION
ITEM	DESCRIPTION		NO	JENCE	OD		CONTROL MEASURES	JRES		RY RISK	PERSON RESPONSIBLE	REQUIRED BY
10.2	Poor housekeeping, e.g. swarf in the vicinity of the plant, spillage not cleaned up?			THIS	IS A W	/ORKP	LACE SPECIFIC RISK					
10.3	Obstacles being placed in the vicinity of the plant?			THIS	IS A W	/ORKP	LACE SPECIFIC RISK					
10.4	Other factors not mentioned?		\square									
10.4.1												
11.0	FALLS FROM HEIGHT Can anyone fall from height due to;											
11.1	Lack of a proper work platform?			THIS	IS A W	/ORKP	LACE SPECIFIC RISK					
11.2	Lack of proper stairs or ladders?			THIS	IS A W	/ORKP	LACE SPECIFIC RISK					
11.3	Lack of guardrails or other suitable edge protection?			THIS	IS A W	/ORKP	LACE SPECIFIC RISK					
11.4	Unprotected holes, penetrations or gaps?			THIS	IS A W	/ORKP	LACE SPECIFIC RISK					
11.5	Poor floor or walking surfaces such as a lack of a slip- resistant surface?			THIS	IS A W	/ORKP	LACE SPECIFIC RISK					
11.6	Steep walking surfaces?			THIS	IS A W	/ORKP	LACE SPECIFIC RISK					
11.7	Collapse of the supporting structure?			5	1	5		ist Frame and the supporting structure d by an independent engineer.	4	1	Supplier of Plant & Independent Engineer	Prior to manufacture of the Plant
11.8	Other factors not mentioned?		\boxtimes									
11.8.1			\square									
12.0	ERGONOMIC Can anyone be injured due to;											
12.1	Poorly designed seating?		\boxtimes									
12.2	Repetitive body movement?			4	2	8	movement of loadCorrect number of relocating loads.	f personnel to be allocated when	9 4	1	Supervisor & Persons performing task	During use of the plant
12.3	Constrained body posture or the need for excessive effort?			4	3	12	movement of loadCorrect number of	with a monorail to assist with ls. f personnel to be allocated when specially heavy loads.	9 4	1	Supervisor & Persons performing task	During use of the plant
12.4	Design deficiency causing mental or psychological stress?		\boxtimes									



431 Planning – Identification of Hazards and Risks

PLA	ANT DESCRIPTION 2T FORMWORK HOIST FRAME								ļ	ASSESSMENT NUMBER	ACSO001
		IS THE RISK?		CONSEQUENCE	RISK			RISK REDUCTION	SUBSIDIARY RISK		IMPLEMENTATION
ITEM	DESCRIPTION	YES	NO	JENCE	OD		CONTROL MEASURES	UCTION	RY RISK	PERSON RESPONSIBLE	REQUIRED BY
12.5	Inadequate or poorly placed lighting?			THIS	IS A W	ORKP	ACE SPECIFIC RISK				
12.6	Lack of consideration given to human error or human behaviour?										
12.7	Mismatch of the plant with human traits and natural limitations?		\boxtimes								
12.8	Other factors not mentioned?		\boxtimes								
12.8.1			\boxtimes								
13.0	SUFFOCATION Can anyone be suffocated due to;										
13.1	A lack of oxygen, or atmospheric contamination?		\boxtimes								
14.0	HIGH TEMPERATURE Can anyone be burnt due to;										
14.1	Contact with objects at high temperature?		\boxtimes								
14.2	Contact with fire?										
15.0	TEMPERATURE (THERMAL COMFORT) Can anyone suffer ill-health due to;										
15.1	Exposure to high or low temperatures?		\boxtimes								
16.0	OTHER HAZARDS Can anyone be injured or suffer illness from exposure to;										
16.1	Chemicals?		\boxtimes								
16.2	Toxic gases or vapours?		\boxtimes								
16.3	Fumes?										
16.4	Dust?			THIS	IS A W	ORKP	ACE SPECIFIC RISK	•			
16.5	Noise?			THIS	IS A W	ORKP	ACE SPECIFIC RISK				
16.6	Vibration?										
16.7	Radiation?										
16.8	Other factors not mentioned?		\boxtimes								

7.0 APPENDIX

INSPECTION SHEETS (attached below)

WHEN TO CARRY OUT INSPECTIONS:

- Prior to deliver to a new project
- After deliver to site
- After 1st installation
- After lifting to each floor location
- After adverse weather condition
- Other inspections not listed above, but complying with AS2550.1

Note: Electric hoist and trolley are to be installed, operated and inspected as per the manufacturer's "Owner's Manual" supplied with hoist.

FORMWORK HOIST INSPECTION – 1ST INSTALLATION

Hoist No.:	Capacity	Site Location	Floor Level	Installation Date

Check Result: O – Good, Δ – To be replaced by next lift,

X – Bad, needs replacement.

Categ ory	Check Item	Check Method	Criteria	Result	Remarks
Delivery	Delivery of required components	Visual	To have all components as per delivery records.		
	Deformation/damage to any component	Visual	To have no apparent deformation / damage / corrosion		
Dell	Name plate / label	Visual	To have not peeled off To be eligible clearly		
	Bolts & nuts	Visual	To have all bolting completed and snug tighten		
	Monorail beam	Visual	To have bolting completed and snug tighten @ each location		
Site	Lifting gear	Visual	To have appropriate lifting gear and they are current		
uo uo	Back propping	Visual	To have back propping, if required		
Erecti	Diagonal braces	Visual	To have diagonal braces with proper anchoring		
) ling	Tiltfeet	Visual	To have tiltfeet properly seated on concrete		
Assembling / Erection on Site	Hoist / Trolley	Visual / operation	To be installed and inspected as per the manufacturer's "Owner's manual"		
	Spreader ties	Visual	To ensure spreader ties removed (refer pg.4&17)		
Operation / performance	Electric chain hoist	operation	To be operated and inspected as per the manufacturer's "Owner's Manual"		
	Trolley	operation	To be operated and inspected as per the manufacturer's "Owner's Manual"		

Inspected by:

Name & Designation

Executed by:

Name & Designation

Signature & Date:

Signature & Date:

AUSTRALIAN CONSTRUCTION SYSTEMS OPERATIONS

FORMWORK HOIST INSPECTION – Each Floor Location

Hoist No.:	Capacity	Site Location	Floor Level	Installation Date

Check Result: O – Good,

 Δ – To be replaced by next lift,

X – Bad, needs replacement.

Categ ory	Check Item	Check Method	Criteria	Result	Remarks
Lifting / Placing	Lifting gear	Visual	To have appropriate lifting gear and they are current		
	Back propping	Visual	To have back propping, if required		
	Diagonal braces	Visual	To have diagonal braces with proper anchoring		
	Tiltfeet	Visual	To have tiltfeet properly seated on concrete		
Operation / performance	Electric chain hoist	operation	To be operated and inspected as per the manufacturer's "Owner's Manual"		
	Trolley	operation	To be operated and inspected as per the manufacturer's "Owner's Manual"		

Inspected by:

Name & Designation

Executed by:

Name & Designation

Signature & Date:

Signature & Date:

FORMWORK HOIST INSPECTION – Prior to Deliver to New Project

Hoist No.:	Capacity	Site Location	Floor Level	Delivery Date

Check Result: O – Good,

 Δ – To be replaced by next lift,

X – Bad, needs replacement.

Categ ory	Check Item	Check Method	Criteria	Result	Remarks
	Lifting Lugs	Crack test	To have satisfactory results		
Je	Tiltfeet pins / axles	Visual	To have no excessive wear (apply grease to axle)		
Steel Frame	Deformation/damage to any component	Visual	To have no apparent deformation / damage / corrosion		
Ste	Name plate / label	Visual	To have not peeled off To be eligible clearly		
	Bolts & nuts	Visual	To have all bolting completed and snug tighten		
Hoist / Trolley	Each Component	Visual / operation	To be inspected as per the manufacturer's "Owner's Manual"		
	Operation / Performance	operation	To be operated and inspected as per the manufacturer's "Owner's Manual"		

Inspected by:

Name & Designation

Executed by:

Name & Designation

Signature & Date:

Signature & Date: