

Method Statement for Lifting Operations

Client:	HJK Construction	Site Contact:	Tony Healy 07973762324
Site Address:	Doveholes, Buxton, SK17 8BU	Appointed Person:	Craig Hilton 07783617464

Description of Items to be lifted:

Materials	Maximum Weight	Maximum Size
Timber Frame Panels	1.5T	2.7x3x1.5m
Floor Cassettes	1T	2.7x8x0.5m
Floor Joists	1T	2.7x8x1m
Chipboard	1.5T	2.4x1.2x1m
Spandrel Panels	1T	2.4x3.5x0.17m
Packs of Trusses	1T	4x11x1m
Roof Structures	1T	7x11x4m
Loose Timber	1T	5.4x1.5x1.1m
Steel Beams	0.5T	9x0.5x0.3m

Introduction

This Method Statement has been prepared based on the Final Design Issue drawings by Rainford Timber & the prestart site inspection with the Main Contractor.

All work will be subject to CPA Conditions for Contract Lifting and will be performed in accordance with:

- 1) BS 7121 Safe Use of Cranes and Lifting Operations parts 1 & 3
- 2) Lifting Operations and Lifting Equipment Regulations 1998
- 3) The Provision and Use of Work Equipment Regulations 1998 Reg 3 to 11

The Risk Assessment prepared for this work will be in accordance with:

- 1) The Management of Health and Safety at Work Regulations 1999 Reg 3

Control of Substances Hazardous to Health (COSHH):

- 1) All assessments and data sheets are carried with the crane.

MC's Responsibilities

- 1) Provide safe access / egress on site for the crane, delivery vehicles and personnel where indicated on the Lifting Plan.
- 2) Co-ordinate site activities of other contractors to facilitate unimpeded access to crane location and during the works.
- 3) Confirm Ground Bearing Pressures in writing to Rainford Timber.
- 4) Ensure level ground suitable for the crane and support vehicles to travel to and from the working locations.
- 5) Ensure a clear level hard standing area suitable for the cranes nominated and capable of withstanding the weights/outrigger loadings quoted in this document.
- 6) To make Rainford Timber aware of any underground services that may affect the crane's access & egress routes.
- 7) Provide a Site Specific Safety Induction for all Rainford Timber employees involved in the operation. This induction is to include emergency warning and Evacuation Procedures.
- 8) Provide an assessment of the site in accordance with The Control of Substances Hazardous to Health Regulations 1999 (COSHH). Any substances or conditions hazardous to health must be identified in time for suitable precautions to be arranged.
- 9) Provide welfare facilities.
- 10) To provide a clear laydown area for floor cassettes as shown.

Site Inspection & Risk Assessment Report

Load Details

Max Weight-	Net: 1.5T & Gross: 1.8T.	Max Radius-	24
Position of Centre of Gravity-	Centre of Load	Max Lift Height-	10m
Max Size of Load-	See Page 1.		

Crane Details

Capacity & Type	40T Liebherr LTM 1040
Max Boom Length	35m
Fly Jib Length & Angle	n/a
Counterweight Required	6.5T
Rigger Spread	6.275 x 6m
Max Outrigger Load	34Tm-2
Gross Weight of Crane	26T

Alternative Crane Details

Capacity & Type
Max Boom Length
Fly Jib Length & Angle
Counterweight Required
Rigger Spread
Max Outrigger Load
Gross Weight of Crane

Area for crane setup must be inspected & ground bearing pressure must be issued in writing prior to the lift, to confirm they are sufficient to withstand the above loads, to Rainford Timbers Appointed Person.

Site Surface Conditions

Access for Crane	<u>As Plan.</u>
Access for Transport	<u>As Plan.</u>
Lifting Position	See Lifting Plan

Proximity Hazards

Overhead: Wires / Cables Bridges	HAZARD PRESENT? ~~YES~~ / NO ~~YES~~ / NO	Action Slew as plan.
Underground: Services (Gas etc.) Excavations / Cellars Footpath	HAZARD PRESENT? MC to advise MC to advise YES / ~~NO~~	Action MC to prevent damage from crane loads. 12T per axle.
Ground Conditions	Area must be suitable for appropriate crane rigger loads (See above).	Stone Setup Area if necessary.
Restrictions: Slew Swing	HAZARD PRESENT? YES / ~~NO~~	Action Hashed-out areas near railway line no crane part to enter.
Outriggers	~~YES~~ / NO	Area to be stoned up and tested for loads quoted above.
Access	~~YES~~ / NO	As Plan.
Egress	~~YES~~ / NO	As Plan.
Headroom / Width	~~YES~~ / NO	NA.
Load Hazards: Slings	HAZARD PRESENT? YES / ~~NO~~	Action Slinger must be trained to CPCS & hold a valid card.
Sharp Edges	YES / ~~NO~~	Wear appropriate PPE (See Personnel).
Hazardous Chemicals	~~YES~~ / NO	
Other Hazards	YES / ~~NO~~	Weather to be inspected prior to the lifting operations.

Crane Accessories Required

Details

Wires	~~YES~~ / NO	
Web Slings	YES / ~~NO~~	2no 3 Tonne Capacity 6m long
Chains	YES / ~~NO~~	1no 4.25 Tonne Capacity 6m long
Shackles	~~YES~~ / NO	
Beams / Sleepers	YES / ~~NO~~	10no 10x6 Timbers 1m
Mats	YES / ~~NO~~	4no 0.8m dia. 2" Polypropylene
Radios	~~YES~~ / NO	

The crane must come equipped with a thorough examination certificate, operator's manual, operators competence certificate, 4 yearly test certificate, daily inspection checklist & duty charts.

Lifting Operation

- 1) The crane and personnel are to arrive on site and report to MC's supervisor for any site induction and orientation of the site.
- 2) Slinger to check all documentation, call the Appointed Person, complete toolbox talk and tick boxes.
- 3) All relevant personnel to hold a certificate of training validated to CPCS standard for position held. All Parties must be briefed that no one is to adjust scaffolding unless trained, competent & authorised to do so.
- 4) The set up area for the crane must be in satisfactory order with the centre of rotation clearly marked.
- 5) Crane operator to be directed by the signaller at all times.
- 6) Crane to be escorted into position by Slinger.
- 7) Set up the crane as per manufacturer's instructions, the attached lifting plan and method statement. Crane's outriggers must set up on 0.8m diameter mats to come with the crane.
- 8) Slinger to check weather conditions.
- 9) Under instruction from the Slinger, the crane operator is to carry out a 360 degree slew of the superstructure to check stability & level.
- 10) Slinger & Crane Operator must agree hand signals.
- 11) Wagon to arrive & park under the Slinger's supervision.
- 12) Under guidance from the Slinger, the crane operator is to extend the boom length to 30m.
- 13) Slinger to select lifting gear in accordance with documentation. Lifting gear must be inspected by the Slinger. Then attach lifting gear to the crane hook, as per S.I.R.A.R and attach to first group of materials.
- 14) Under the instruction of Slinger, carry out a trial lift to check stability of the load by slowly hoisting it up.
- 15) When the Slinger is happy with the stability of the load, fully hoist the load.
- 16) Check "Safe Load Indicator."

- 17) Under the instruction of the Slinger, the lifting operation can now commence to lift first pack of timber materials into position.
- 18) No person will be permitted to stand under a raised load.
- 19) Certificated Slinger to de-sling.
- 20) Repeat as necessary.
- 21) When finished, de-rig the crane as manufacturer's instructions.
- 22) The crane and site personnel are to leave site in a safe manner with all certification signed off.

Standard methods of slinging

- 1) Attach 4 leg brothers to crane hook block.
- 2) Attach web slings to chain hooks around materials and then back to chain hooks in basket hitch technique.
- 3) Attach chain brothers to truss in choke hitch technique from at least two points.
- 4) CPCS certified Slinger to use his discretion at all times, using his skills to vary method of slinging to suit each operation.
- 5) See attached guidance on lifting floor cassettes with slings. Always use the lifting point in the technical specifications.
- 6) CPCS certified Slinger to use his discretion at all times, using his skills to vary method of slinging to suit each operation.

My aim prior to the commencement of the work, acting as the Appointed Person, is to have spoken in depth to the Slinger and officially delegate the lifting duties to them. All persons involved in the lifting operation are to sign below, stating they have fully understood the method statement.

Personnel

Title	Responsibility	Required PPE
Appointed Person Craig Hilton	Planning & Controlling the lifting operation.	Hard Hat, High Vis Vest, Gloves, Boots, Eye Protection & Ear Protection.
Slinger/Supervisor	Carrying out the lift in conjunction with the method statement & Lifting Plan. Secure the load. Attach & Detach the lifting gear. Signal the Crane Operator.	Hard Hat, High Vis Vest, Gloves, Boots, Eye Protection & Ear Protection.
Crane Operator	Set up & operate the crane as manufacturers' instructions. Respond to the prearranged signals from the Slinger.	Hard Hat, High Vis Vest, Gloves, Boots, Eye Protection & Ear Protection.
Transport Driver	Deliver materials to site & leave under instruction from the Slinger.	Hard Hat, High Vis Vest, Gloves, Boots, Eye Protection & Ear Protection.
Fixing Team	To work in a safe manner, not interfering with the lifting operations.	Hard Hat, High Vis Vest, Gloves, Boots, Eye Protection & Ear Protection.
Client	Safe Access & Egress for all Site Personnel	Hard Hat, High Vis Vest, Gloves, Boots, Eye Protection & Ear Protection.

Delegation of Duties to the Slinger

If the Appointed Person is not able to attend the site at the commencement of work, the Slinger who is delegated to perform the works must be fully conversant with the conditions onsite and all aspects of the work. The lift cannot take place until the Slinger has spoken to the Appointed Person.

Appointed Person	Slinger
Signed: Craig Hilton	Signed:
Print: Craig Hilton	Print:
Date: 25 th May 2023	Date:
Signature confirms method statements have been completed & issued to site.	Signature confirms the Slinger has spoken with the Appointed Person. As a result they fully understand the method statement & lifting plan.
Both sections must be signed prior to lifting	

Variations from Method Statement

All significant variations to this Method Statement, including drawings, must be notified to the Appointed Person before proceeding with the lift. The details of the variations, together with the comments of the Appointed Person must be noted below.

Variation no.	1	2
Details of Variations		
Time & Date AP contacted		
AP's comments		
Signed		

Variation no.	3	4
Details of Variations		
Time & Date AP contacted		
AP's comments		
Signed		

If there is a major change or more than 4 small variations, then the Appointed Person must visit the site and amend the Lifting Plan & Method Statement.

Unattended Cranes

In addition to the Manufacturers recommendations for Out of Service Conditions, the following must be implemented before any crane is left unattended:

- 1) Wherever possible, the boom should be retracted and/or rotated away from any possible interference with other operations and positioned to cause the minimum obstruction.
- 2) No load will be left suspended and, wherever possible, even lifting gear should be removed.
- 3) All engines will be stopped and isolated as manufacturers manual.
- 4) Wherever possible all crane doors will be locked.

Lifting Operations Safety Checklist

(To be completed by the Slinger prior to and during, any Lifting Operation)

Pre Lift Check Points

Site Induction carried out	YES / NO
Lifting Plan, Method Statement and Risk Assessment	YES / NO
Operator weekly inspection form	YES / NO
Manufacturers Instruction Manual	YES / NO
Test Certification / Thorough Examination Reports for all Lifting Accessories	YES / NO
Spill Pack Available	YES / NO
Communication Method Identified	YES / NO
Crane(s) 4yearly test Certification Number	_____
Expiry Date	_____
Crane Thorough Examination Report Number	_____
Expiry Date	_____
Lifting Tackle thorough examination report Number	_____
Expiry Date	_____
Slings Competency Certification Number	_____
Expiry Date	_____
Operator(s) CITB / CPCS approved and Certified for specific crane Number	_____
Expiry Date	_____
Tool Box Talk Delivered & Recorded	_____
Appropriate PPE	_____

Erection Checklist

Working Area cordoned off	YES / NO
Crane setup in correct location	YES / NO
Crane limits & Load indicator OK	YES / NO
Rigging fitted to item as detailed	YES / NO
Weather within acceptable limits	YES / NO
Lift performed as method statement	YES / NO
Item accepted by Client	YES / NO
Rigging released as detailed in method statement	YES / NO
Cranes derigged	YES / NO
Site cleared	YES / NO

I can confirm the ground has been inspected and is suitable to withstand loadings detailed on Page 3.

Signed: (Client) Date:

Signed: (Slinger) Date:

All work is to be carried out as per LOLER, BS7121 Parts 1 & 3. The weather limits are not to exceed those specified by the crane manufacturer (18mph wind speed).

Any changes to this method statement must be approved by Craig Hilton.

I confirm that I have prepared the Risk Assessment & Method Statement, and the lift has been planned in accordance with current legislation & British Standard 7121.

Signed: Craig Hilton (Appointed Person) Date: Friday, 26 May 2023

CPCS Reg. No: 40900508