

Crane Safety Committee and Lift plan procedure





Objectives

- ☑ Organize and formalize the crane safety committee
- ☑ Ensures project team performs due diligence project safety planning before crane lifts
- ☑ Create a lift plan data bank
- ☑ Establish the company lift plan procedure
- ☑ Identifies the competent person(s) on site who will be accountable for planning and ensuring proper equipment use and lift safety is maintained

Crane Committee members

- Crane committee members will be described as a company "Competent Persons" .

Competent person' is defined as 'one who is capable of identifying existing and predictable hazards in the surroundings or working conditions which are hazardous, or dangerous to employees, and who has company authorization to take prompt corrective measures to eliminate them"



Crane Committee members

- Project Safety Rep.
- Project Superintendent
- Project Manager





Submit Documents

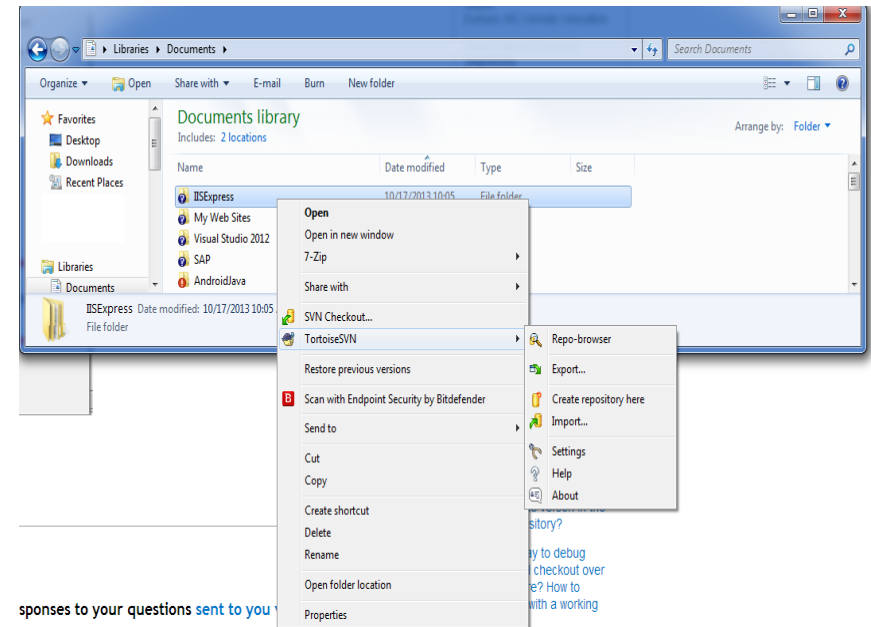
- Person in charge of lift work will submit lift plan and the appropriate documents.

A screenshot of an email composition window. On the left is a "Send" button with a paper plane icon. The "To" field contains the email address "liftsafe@dcclaw.com". The "Cc" field contains the text "Project Manager, Project Superintendent, Project Engineer, Etc". The "Subject" field contains the text "Lift Plan for". A black arrow points from the bottom right towards the "To" field. The right edge of the image shows a vertical strip of a yellow and green highlighter.

Required documents

Non - Critical Lift

- Activity Hazard Analysis
- Lift Plan Form
- Crane Spec Sheet
- Crane certification of inspection
- Operator certification
- Riggers information
- Summary of the lift including description of the load





Required documents

Repetitive Non-Critical Lifts (General Hoisting)

- Standard general daily crane work for hoisting formwork, cmu, rebar, general material handling, etc.
- A specific plan would not be submitted for each pick, but rather a general lift plan based on radius, weight, standard rigging configurations, etc.
- Weights and radius to be checked and confirmed with each lift as standard practice.
- Note: Only competent riggers and signalmen shall direct the operator.
- Rigging Inspected Daily

Required documents

For Critical Lift

- Activity Hazard Analysis
- Lift Plan Form
- Crane Spec Sheet
- Crane certification of inspection
- Operator Certification of Inspection
- Riggers information
- Critical Lift Form
- Pre Lift-Meeting toolbox
- Summary of the lift including description of the load
- If man basket will be used a Load Test form should be included



- [illegible]

When to submit documents ?

Non critical lift

in advance



Critical lift

in advance





Required documents

Activity Hazard Analysis (AHA)

Activity/Work Task: RELOCATE MONKEY POD TREES

Project Location: INTERNATIONAL MARKET PLACE

Contract Number:

Date Prepared: 9.16.14

Prepared by (Name/Title): Kerwin Chong / vp

Reviewed by (Name/Title):

Notes: (Field Notes, Review Comments, etc.)

Overall Risk Assessment Code (RAC) (Use highest code)	
Risk Assessment Code (RAC) Matrix	
Severity	Probability
Frequency	Likely
Catastrophic	Likely
Critical	Likely
Marginal	Likely
Negligible	Likely

Step 1: Review each "Hazard" with identified safety "Controls" and determine RAC (See above)

"Probability" is the likelihood to cause an incident, near miss, or accident and identified as Frequent, Likely, Occasional, Seldom or Unlikely.

"Severity" is the outcome/degree if an incident, near miss, or accident did occur and identified as Catastrophic, Critical, Marginal, or Negligible.

Step 2: Identify the RAC (Probability/Severity) as E, H, M, or L for each "Hazard" on AHA. Annotate the overall highest RAC at the top of AHA.

Job Steps	Hazards	Controls	RAC
1. Delivery to Site.	Vehicle & pedestrian accidents	Mobile crane driver to use defensive driving techniques, move only with proper escorts and permits.	L
2. Crane setup & delivery	Equipment & pedestrian accidents <i>Barricade area</i> <i>All PPE (gloves, chaps, 24 inch vest, hard hat, safety glasses, steel toe boots, gloves)</i> <i>Demurring underground utilities.</i>	Signs, traffic cones to be provided by General Contractor with access to self-stowed pavement and equipment. Movement of crane only when direct line of sight between mobile crane driver and operator signal man has been established. Operator/signal man to have view of driver's blind spots. Route for forklift operation and trailer delivery. Contractor shall verify and maintain no underground voids, pipes, boxes, etc. prior to the operation. Operator to verify with contractor prior to set up. Crane to use ROPS crane seats under each outrigger or engineered specified damage. Use heavy gloves operator hold only when directed by signal man signal man have clear view of each rigging.	L M L L

Activity Hazard Analysis (AHA)

Activity/Work Task: RELOCATE MONKEY POD TREES

Project Location: INTERNATIONAL MARKET PLACE

Contract Number:

Date Prepared: 9.16.14

Prepared by (Name/Title): Kerwin Chong / vp

Reviewed by (Name/Title):

Notes: (Field Notes, Review Comments, etc.)

Overall Risk Assessment Code (RAC) (Use highest code)	
Risk Assessment Code (RAC) Matrix	
Severity	Probability
Frequency	Likely
Catastrophic	Likely
Critical	Likely
Marginal	Likely
Negligible	Likely

Step 1: Review each "Hazard" with identified safety "Controls" and determine RAC (See above)

"Probability" is the likelihood to cause an incident, near miss, or accident and identified as Frequent, Likely, Occasional, Seldom or Unlikely.

"Severity" is the outcome/degree if an incident, near miss, or accident did occur and identified as Catastrophic, Critical, Marginal, or Negligible.

Step 2: Identify the RAC (Probability/Severity) as E, H, M, or L for each "Hazard" on AHA. Annotate the overall highest RAC at the top of AHA.

Job Steps	Hazards	Controls	RAC
LIFT TREE	High Winds (in excess of 25 mph) Operator unable to see Rigging overload due to asymmetric rigging on branches Tree fall over during the temporary "put down"	Operations to be aborted if winds exceed 25 mph. Signal Man to be dispatched for operation(s) Use of standard crane load signals by signal man and/or walkie-talkies equipped with unique channel for Flammable Crane & Rigging Ltd. only. Use rolling blocks to equalize load and ensure equal distribution of load to rigging. Make sure guy wires are fully engaged before releasing load off of main line of crane.	M L L H

Equipment to be Used	Training Requirements/Competent or Qualified Personnel name(s)	Inspection Requirements
300T DEMAG AC 250 HYDRAULIC CRANE	ANNUAL CRANE CERTIFICATE. PARKER MCKEAGUE: SOH HOIST CARD, —NIGCO-CERT. TODD MOORE: RIGGERS CERTIFICATION	CRANE ANNUAL INSPECTION AND LOAD TEST <i>NEED CERTS.</i>

Prepared by (Print Name, Sign and Date): _____

Crew Supervisor Review (Print Name, Sign and Date): _____

AHA Discussed with Crew at Preparatory Meeting Held On: _____

Sign: _____ Print: _____

Sign: _____ Print: _____

Sign: _____ Print: _____

Sign: _____ Print: _____

Sign: _____ Print: _____

Sign: _____ Print: _____

AHA
(Activity Hazard Analysis)

Required documents



All Ship & Cargo Surveys, Ltd.

This is to certify that the undersigned representative did at the request of

Hawaiian Crane & Rigging
NAME OF CLIENT

Attend the

Terex-Demag AC 250-1 85014 3002
MANUFACTURER MODEL SERIAL NUMBER EQUIPMENT NUMBER

Located at:

Mapunapuna Yard
WORK SITE AT TIME OF EXAMINATION AND/OR TEST

In connection with the Annual certification requirements of the U.S. Department of Labor Regulations (29CFR Part 1910, 1919 or 1926), ASME B30 Standards, B30.1 - B30.29, as appropriate for the crane or hoisting equipment, and PCSA #2, as applicable. In the case of 29 CFR 1919 requirements, an appropriate report is being forwarded to the U.S. Department of Labor (OSHA).

[Signature]
REPRESENTATIVE, ALL SHIP & CARGO SURVEYS, LTD.

2014-02-27
DATE

ASCS 043-14
CERTIFICATE NUMBER

All Ship & Cargo Surveys, Ltd.

CRANE INSPECTION & LOAD TEST

OPERATOR/OWNER	CONTACT	PO NO.	INSPECTION LOCATION	SURVEY TYPE
Hawaiian Crane & Rigging	Kenji Saito	39026	Mapunapuna Yard	Annual
INSPECTION DATE	MAKE	MODEL	SERIAL NO.	EQUIPMENT NO.
2013-02-27	Terex-Demag	AC 250-1	85014	3002

UNIT AS EQUIPPED

2013-12, 4 sections 47' 6" 354' Hydraulic boom, 118' section 1/8 (not mounted), No correct single with 7/8" wire cable in 10 parts to Terex 1204T Cap 5 ton hook

Model 1108kg w/o 6438 hours on meter

MINOR DEFICIENCIES
1. Only partial load charts available. (Maintenance Manual on board)

MAJOR DEFICIENCIES
None

RATTRACK CARRIER		CRANES CARRIER		OUTRIGGERS	
<input checked="" type="checkbox"/> AXLE/PIES	<input checked="" type="checkbox"/> TRACK FRAMES	<input checked="" type="checkbox"/> TRACK DRIVE BYE	<input checked="" type="checkbox"/> DRIVE CHAINS	<input checked="" type="checkbox"/> FRONT HOUSING	<input checked="" type="checkbox"/> FRONT HYD JACK
<input checked="" type="checkbox"/> PLANETARIES	<input checked="" type="checkbox"/> TRACK PADS	<input checked="" type="checkbox"/> TRACK OTHER	<input checked="" type="checkbox"/> SPROCKETS	<input checked="" type="checkbox"/> FRONT BEAM	<input checked="" type="checkbox"/> FRONT HYD LINES
<input checked="" type="checkbox"/> BOOM/SPRINGS	<input checked="" type="checkbox"/> TRACK TAILER	<input checked="" type="checkbox"/> CAN BODY	<input checked="" type="checkbox"/> HYD MOTOR/CARRIERS	<input checked="" type="checkbox"/> FRONT EXT CYL	<input checked="" type="checkbox"/> FRONT HYD PADS
<input checked="" type="checkbox"/> TONGUE HOOS	<input checked="" type="checkbox"/> TRACK KILNERS	<input checked="" type="checkbox"/> FRANK BOLTS	<input checked="" type="checkbox"/> HYD HOSE FITTINGS	<input checked="" type="checkbox"/> REAR HOUSING	<input checked="" type="checkbox"/> REAR HYD JACKS
<input checked="" type="checkbox"/> MOUNT BOLTS	<input checked="" type="checkbox"/> TRACK ROLLERS	<input checked="" type="checkbox"/> EXTENSION/HOOKS		<input checked="" type="checkbox"/> REAR HYD LINES	<input checked="" type="checkbox"/> REAR HYD PADS
<input checked="" type="checkbox"/> FITTING LINK				<input checked="" type="checkbox"/> REAR EXT CYL	
<input checked="" type="checkbox"/> BRAYE LINES					

COMPONENT		MAIN FRAME AND UPPER WORKS		COUNTERWEIGHTS		OTHER	
<input checked="" type="checkbox"/> TURNET	<input checked="" type="checkbox"/> TANK MOUNTS	<input checked="" type="checkbox"/> HOIST MACHINERY	<input checked="" type="checkbox"/> MAIN DRIVE	<input checked="" type="checkbox"/> MASTER CLUTCH	<input checked="" type="checkbox"/> COUNTERWEIGHT	<input checked="" type="checkbox"/> WIND TWO BLOCK	<input checked="" type="checkbox"/> WIND TWO BLOCK
<input checked="" type="checkbox"/> TURNET WELDS	<input checked="" type="checkbox"/> DRIVE SHAFT	<input checked="" type="checkbox"/> CLUTCH	<input checked="" type="checkbox"/> BRAKE	<input checked="" type="checkbox"/> CONVEYERS	<input checked="" type="checkbox"/> POCKET WEIGHTS	<input checked="" type="checkbox"/> BUMPER WEIGHTS	<input checked="" type="checkbox"/> BUMPER WEIGHTS
<input checked="" type="checkbox"/> TURNET BOLTS	<input checked="" type="checkbox"/> LEAVES ALL	<input checked="" type="checkbox"/> WINDING MTO BOLTS	<input checked="" type="checkbox"/> WINDING MTO FRAME	<input checked="" type="checkbox"/> RADIATOR	<input checked="" type="checkbox"/> OPERATORS STATION	<input checked="" type="checkbox"/> CTRLS MARKED	<input checked="" type="checkbox"/> FIRE EXTINGUISHER
<input checked="" type="checkbox"/> BEARINGS	<input checked="" type="checkbox"/> GAS SHIRT METAL	<input checked="" type="checkbox"/> WINDING MTO FRAME	<input checked="" type="checkbox"/> DRUM/SHOES	<input checked="" type="checkbox"/> HYD PUMPS	<input checked="" type="checkbox"/> FREE MOVEMENT	<input checked="" type="checkbox"/> LOAD CHIMTS	<input checked="" type="checkbox"/> OPERATOR MANT REC
<input checked="" type="checkbox"/> HOOK ROLLS	<input checked="" type="checkbox"/> GAS BLASS	<input checked="" type="checkbox"/> WINDING MTO FRAME	<input checked="" type="checkbox"/> CABLE DA	<input checked="" type="checkbox"/> HYD VALVES	<input checked="" type="checkbox"/> ANGLE INDICATOR	<input checked="" type="checkbox"/> LEVEL INDICATOR	
<input checked="" type="checkbox"/> CARRY ROLLS	<input checked="" type="checkbox"/> SWING MACHINERY	<input checked="" type="checkbox"/> CLUTCH	<input checked="" type="checkbox"/> CABLE DA	<input checked="" type="checkbox"/> HYD MOTORS	<input checked="" type="checkbox"/> HYD VALVES	<input checked="" type="checkbox"/> HYD HOSES	
<input checked="" type="checkbox"/> SWING GEAR TEETH	<input checked="" type="checkbox"/> DRIVE SHAFT	<input checked="" type="checkbox"/> CLUTCH	<input checked="" type="checkbox"/> CABLE DA	<input checked="" type="checkbox"/> HYD MOTORS	<input checked="" type="checkbox"/> HYD VALVES	<input checked="" type="checkbox"/> HYD HOSES	
<input checked="" type="checkbox"/> FRAME SECTIONS	<input checked="" type="checkbox"/> BRAKE	<input checked="" type="checkbox"/> CLUTCH	<input checked="" type="checkbox"/> CABLE DA	<input checked="" type="checkbox"/> HYD MOTORS	<input checked="" type="checkbox"/> HYD VALVES	<input checked="" type="checkbox"/> HYD HOSES	
<input checked="" type="checkbox"/> GAS MOUNTS	<input checked="" type="checkbox"/> HOUSE LOCK	<input checked="" type="checkbox"/> CLUTCH	<input checked="" type="checkbox"/> CABLE DA	<input checked="" type="checkbox"/> HYD MOTORS	<input checked="" type="checkbox"/> HYD VALVES	<input checked="" type="checkbox"/> HYD HOSES	
<input checked="" type="checkbox"/> SWING MOUNTS	<input checked="" type="checkbox"/> HOUSE LOCK	<input checked="" type="checkbox"/> CLUTCH	<input checked="" type="checkbox"/> CABLE DA	<input checked="" type="checkbox"/> HYD MOTORS	<input checked="" type="checkbox"/> HYD VALVES	<input checked="" type="checkbox"/> HYD HOSES	

GANTTRY		BOOM LAYERS		JOB		BOOM HYDRAULIC		ATTACHMENTS	
<input checked="" type="checkbox"/> GANTTRY STRUCT	<input checked="" type="checkbox"/> CHOICES	<input checked="" type="checkbox"/> PENDANTS	<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BALUSHAIVES	<input checked="" type="checkbox"/> LACHOS	<input checked="" type="checkbox"/> GANTTRY	<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BROUSHAIVES	<input checked="" type="checkbox"/> PINS	<input checked="" type="checkbox"/> TIE BACK	<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST CABLE	<input checked="" type="checkbox"/> PENDANTS	<input checked="" type="checkbox"/> GUIDE SHAIVE	<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM	<input checked="" type="checkbox"/> CABLE ROLLER		<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> GUIDE SHAIVE			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND 2	<input checked="" type="checkbox"/> MATHING BOLTS	<input checked="" type="checkbox"/> WINDING FRAME	<input checked="" type="checkbox"/> DRUM/PLANKS	<input checked="" type="checkbox"/> HOOK BLOOM	<input checked="" type="checkbox"/> WINDING FRAME
<input checked="" type="checkbox"/> BOOM HOIST DRUM			<input checked="" type="checkbox"/> HYD HOSE REEL	<input checked="" type="checkbox"/> NO 1 TND					

Required documents



HAWAII MEDICAL EXAMINER'S CERTIFICATE

I certify that I have examined Ramil S. Farinas in accordance with the Federal Motor Carrier Safety Regulations (49 CFR 391.41-391.49) and with knowledge of the driving duties, I find this person to qualify as a Tractor-Trailer driver, only values:

☐ wearing corrective lenses ☐ driving within an assigned territory zone (49 CFR 391.42) ☐ accompanied by a qualified person (49 CFR 391.43) ☐ accompanied by a qualified person (49 CFR 391.43) ☐ accompanied by a qualified person (49 CFR 391.43)

Robert Nikolaev, P.A.C.
MEDICAL EXAMINER'S LICENSE ON CERTIFICATE AND DRIVER'S LICENSE
AMD 485 / Hawaii

Signature of Driver: Ramil S. Farinas **Signature of Examiner:** Robert Nikolaev
Medical Examiner's License No.: 15-221 **Medical Examiner's License Expiration Date:** 03/31/2018

HOISTING MACHINE OPERATOR CERTIFICATE
DATE OF ISSUANCE: 04/29/2013
EXPIRATION DATE: 03/31/2018
RAMIL S. FARINAS
DT0318-212

State of Hawaii Dept. of Labor & Industrial Relations
This license is valid for the following specialty categories:
TSS - Small Telescopic Boom Cranes

ANSI

LIFTING PLAN

NOTE: A LIFT PLAN SHOULD BE COMPLETED PRIOR TO MOBILIZATION OF EQUIPMENT AND RIGGING

Location: Anguilla Project
Load Description: Electrical Man Hole concrete cover from Ground and set in top of the man hole
Lift Description: Lift Electrical Man Hole concrete cover from Ground and set in top of the man hole
Date of Lift: _____

A. WEIGHT

1. Equipment Conditions:	New [] Used [x]	E. Sizing of Slings	1. Sling Selection	wire rope V2
2. Weight Empty:	0 LB.S.	a. Type of Arrangement	a. Number of Slings and Weight	4 x 5.8 each
3. Weight of Headache Ball:	600 LB.S.	b. Sling Size	c. Sling Length	10'
4. Weight of Block:	0 LB.S.	d. Rated Capacity of Sling	Shackle Selection Weight and Number	4 x 5 each
5. Weight of Lifting Bar:	0 LB.S.	a. (Pin Diameter (inches))	b. Capacity (tons)	2 ton each
6. Weight of Slings and Shackles:	36 LB.S.	Shackle Attached To load	a. Number and Weight	2# each
7. Weight of Job:	0 LB.S.	b. Lifting Lugs Load	c. Weight of the rigging	750#
(1) Erect () Stored				
8. Weight of Headache Ball on Job:	0 LB.S.			
9. Load of Cable:	164 LB.S.			
10. Allowance for Unaccounted Material or Equipment	0 LB.S.			
Concrete cover	1000 LB.S.			
Total Weight	10760 LB.S.			

F. CRANE

1. Type of Crane	Torrex RT 160
2. Crane Capacity	60 ton
3. Lifting Arrangement	
a. Max Distance, Center of Load to Center Pin of Crane	30'
b. Length of Boom	70'
c. Angle of Boom At Pick-up	62°
d. Angle of Boom At Set	82°
e. Rated Capacity of Crane Under Severest Lifting Conditions (From Chart)	
1. Over Rear	35,300
2. Over Front	35,300
3. Over Side	35,300
4. From Chart - Rated Capacity of Crane For This Lift	35,300
5. Max Load On Crane	10760
6. Lift is	0-31
7. max lift weight for 75% of Crane's Capacity	26475

G. PRE-LIFT CHECK LIST

1. Matting Acceptable?	N/A
2. Outriggers Fully Extended?	yes
3. Crane in Good Condition?	yes
4. Swing Room?	Y
5. Head Room Checked?	Y
6. Max Counterweights Used?	Y
7. Tag Line Used?	Y
8. Experienced Operator?	Y
9. Experienced Rigger?	Y
10. Load Chart in Crane?	Y
11. Wind Conditions - <u>SE-MD</u>	
12. Tally Handler Inspected By:	
13. Functional Test of Crane By:	

Special Instructions or Restrictions for Crane, Rigging, Lift, Etc.
Tag Lines and Rigger, Gusting winds up to 30 mph - use anemometer and stand down if winds > 25 mph

Diagram Crane and Load Placement

Diagram Rigging Configuration

Signature of Job Supervisor

Signature - Plan Checked By:

Operator certification and Lift plan form



Required documents

Lift Plan Summary

Cap Juluca
Concrete Piles
Lift Plan

Transformer Lift Plan Summary

Work to be done

Lift Concrete piles and set it on a flat bed .

Crane Model and Capacity

Terex RT 160 -60 Ton Capacity

Load Description

Pre-cast concrete piles 5,000 #

Work Radius

75'

Boom Length and angle

115'- (46°)

Total Weight calculation	Transformer unit	5000 #
	Crane cable	60 #
	Wire Rope Slings	6#
	Ball	476#
	Shackles	4#

Total _____

5546 # /

Crane Cap by Chart 8200# = 0.67% crane cap.

Based on crane calculations, additional 604# can be add to the load to reach the 75% if necessary.

Tag line will be necessary to control the load. Lift plan to be cancelled if wind speed is 25 MPH or more sustain.

9/16/ Wire rope Sling to be connected on vertical one leg via 5/8 shackle .

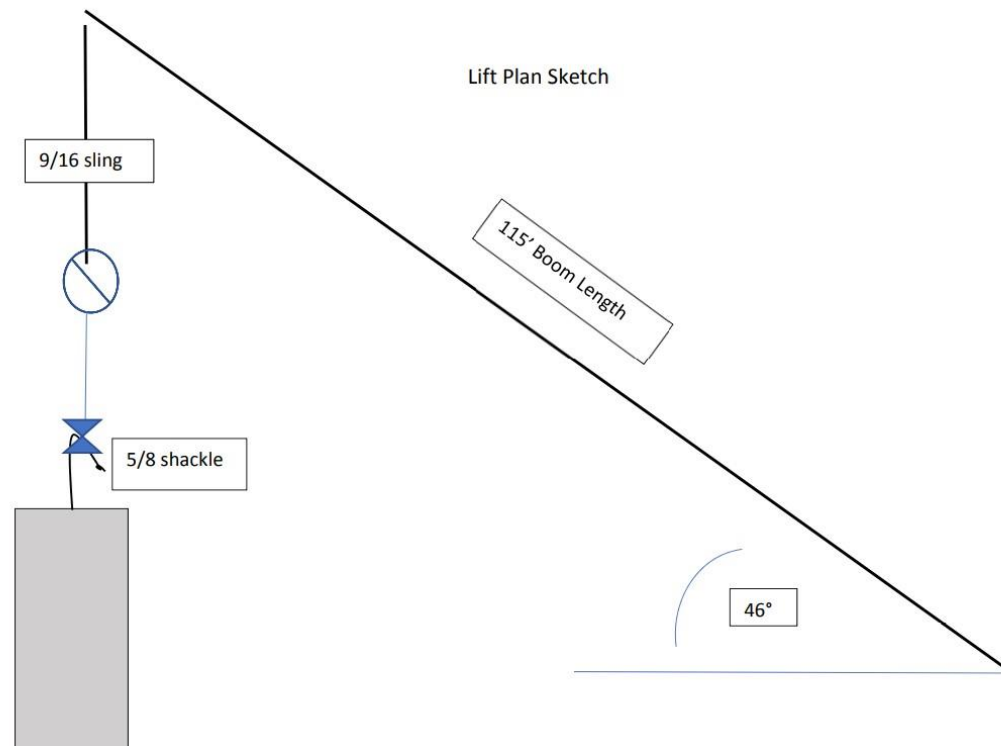
Calculation of the slings.

Sling to be used vertical . Load = 5000 . 9/16 wire rope sling =6400 #cap or Synthetic Web sling 6"=6000 # cap.

Concrete pile will be lifted from the form and set in a flat bed to be transported to the installation area at the beach . Once the truck arrived to the beach , piles will be lifted with an excavator and set it in the correct place.

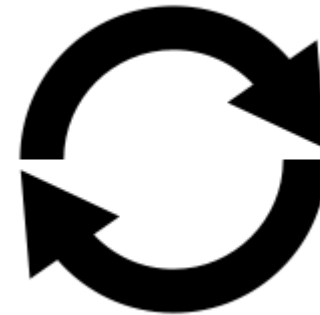
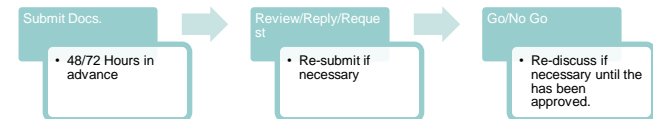
Required documents

Lift Plan Sketch

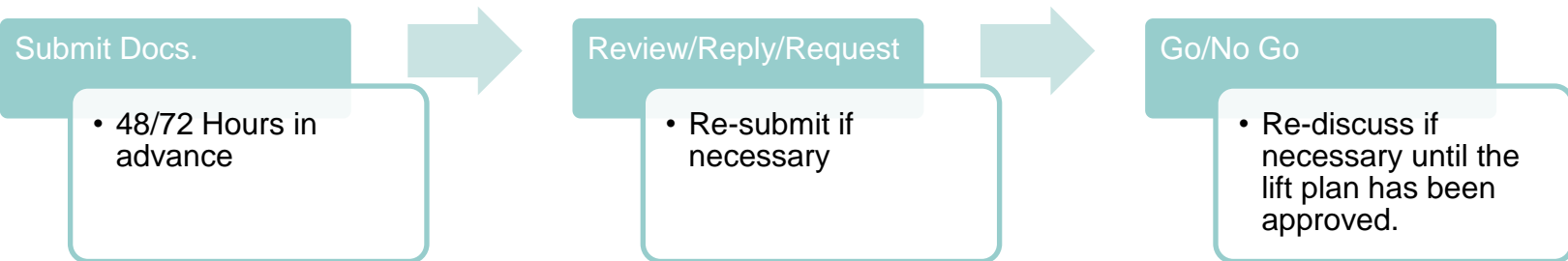


Approval process

- Once documents are submitted, the committee will reply to approved or request more information if necessary. Once the reviewers have the proper documentation then an approval will be given to go or no go.



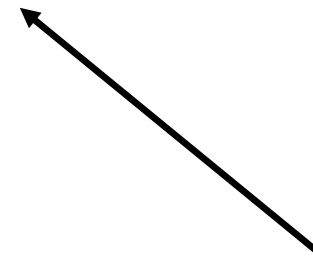
Approval





Approved lift plan and data bank

COMPANY	: PT. SILO	
PROJECT	: SEBUKU SINTERING PROJECT	
MAT'L NAME	: COAL BIN TANK	
LOCATION	: WEST OF RAW COAL	
DATE OF ERECTION	:	
LIFTING DATA		
NO	DESCRIPTION	CRANE
I.	CRANE TYPE AND MODEL	TADANO TR-350M
		35 TON
II.	ERECTION LOAD	
	1. Erection Weight	5.2 Ton
	2. Weight of Shackle / Sling	0.5 Ton
	3. Weight of Hook Block	0.5 Ton
	4. Weight of Spreader Beam / Chain Block	- Ton
	TOTAL LOAD	6.2 Ton
III.	CRANE DATAS	
	1. Crane Capacity	35 Ton
	2. Crane Condition	90%
	3. Main Boom	21.5 Meter
	4. Load line reeving	4 Meter
	5. Working Radius	10 Meter
	6. Lifting Capacity	8 Ton
IV.	SAFETY FACTOR (Lift. Cap X Crane Condition)	1.2
	Total Load	
V.	LIFTING DEVICE	
	1. Sling Wire Size (dia x length)	3/4" x 6 Meter
	2. Sling Quantity to be use	4 Pcs
	3. Sling Wire (Safe Working Load)	4 x 4.5 Ton
	4. Shackle (Safe Working Load)	4 x 6 Ton
	5. Spreader / Lifting Beam (SWL)	- Ton
VI.	METHODE OF COMMUNICATION TO BE USED	Radio
VII.	GROUND CONDITON	Level
PREPARED BY: _____ CHECKED BY: _____ APPROVED BY: _____ (M. SYAIFUR ROKHIM) () ()		

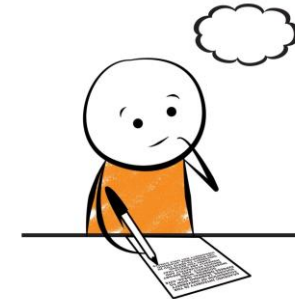


Summary

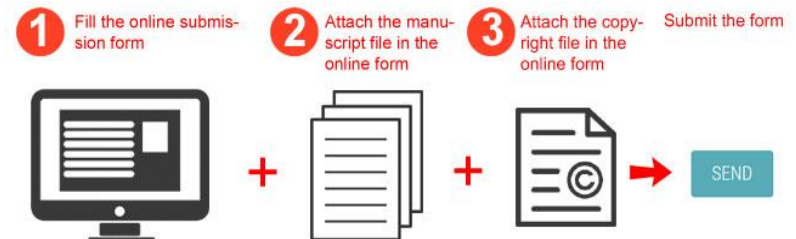
Plan with your local team.



Determine if is a non-critical or critical lift.



Submit the appropriate documentation to the crane committee on a timely manner 48 hrs. for NCL 72 for CL

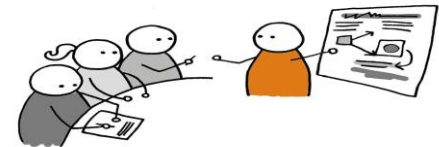


Summary

Crane Committee will approve or request more documentation .



Discuss with the crane committee the requirements.



Once approved , proceed to do the work following all the requirements as established in the lift plan.



Crane Committee will upload the documents to the lift plans link for future reference .



