Attachment A CRITICAL LIFT PERMIT

Section 1 – Approvals and Documentation

IDENTIFICATION

Job Number ☐ Location ☐
Client ☐ Owner ☐
Lift Identification Name ☐
Date of Lift ☐ Time ☐ A.M.☐P.M.☐

Description of Lift:

☐

APPROVALS (Signatures Required) Signature Date

Engineering Manager	_____	_____
Operations Manager	_____	_____
Field Supervisor / Foreman	_____	_____
Safety Manager	_____	_____
Client Safety	_____	_____
Client Rigging Superintendent	_____	_____
Owner Safety	_____	_____
Owner Rigging Superintendent	_____	_____

PRE-LIFT MEETING

Field Supervisor / Foreman	_____	_____
Safety Supervisor	_____	_____
Crane Operator / Oiler 1.	_____	_____
Crane Operator / Oiler 2.	_____	_____
Rigging Personnel	_____	_____
Client Safety	_____	_____
Client Rigging Superintendent	_____	_____
Owner Safety	_____	_____
Owner Rigging Superintendent	_____	_____

ATTACHMENTS

1) Operator(s) Qualifications
2) Crane(s) Certifications
3) Capacity certificates and inspection reports for all other lifting equipment
4) Bill of Materials
5) Rigging Diagram
6) Free-Body Diagram

Section II – Pre-Lift Planning

	(Check) Yes / No
Has an inventory of equipment been done?	☐ / ☐
Have the weather conditions been considered?	☐ / ☐
Have the electrical safety procedures been reviewed?	☐ / ☐
Have the safe rigging practices been implemented?	☐ / ☐
Have the safety precautions for lifting in tight quarters or restricted spaces been reviewed?	☐ / ☐
Has a method of attachment and handling been determined and inspected?	☐ / ☐
Are all lifting lugs engineered to specifications?	☐ / ☐
Has the matting been inspected and approved?	☐ / ☐
Has the stability of the ground been assured?	☐ / ☐
Have disconnecting/connecting means been developed?	☐ / ☐
Has the orientation of equipment been confirmed?	☐ / ☐
Is survey equipment required?	☐ / ☐
Is a pre-lift meeting planned?	☐ / ☐
Has the radius been rechecked prior to the lift?	
Actual Radius _____ft.	☐ / ☐
Have the required approvals been signed?	☐ / ☐

I have reviewed and certify the above listed pre-lifting planning requirements have been met. _____.

Signature of Reviewer

Section III – Load and Capacity Calculations

A. Weight of Equipment – Live Load

1) Equipment Condition	New ☐ Used ☐	
2) Weight of equipment empty		Lb.
3) Weight of equipment attachments (list)		Lb.
a)		Lb.
b)		Lb.
c)		Lb.
4) Total weight of equipment		Lb.

B. Total Load

1) Percent of equipment weight		%
2) Amount of equipment weight		Lb.
3) Weight of headache ball		Lb.
4) Weight of block		Lb.
5) Weight of lifting bar		Lb.
6) Weight of slings & shackles		Lb.
7) Weight of jib erected		Lb.
8) Weight of jib stored		Lb.
9) Weight of jib headache ball		Lb.
10) Line weight (load fall)		Lb.
11) Auxiliary boom head		Lb.
12) Other _____		Lb.
Total Weight		**Lb.**

Tailing Crane

1) Percent of equipment weight		%
2) Amount of equipment weight		Lb.
3) Weight of headache ball		Lb.
4) Weight of block		Lb.
5) Weight of lifting bar		Lb.
6) Weight of slings & shackles		Lb.
7) Weight of jib erected		Lb.
8) Weight of jib stored		Lb.
9) Weight of jib headache ball		Lb.
10) Line weight (load fall)		Lb.
11) Auxiliary boom head		Lb.
12) Other _____		Lb.
Total Weight		**Lb.**

Source of load weight

(Name Plate, Drawings, Calculated, Weighted)

Weights verified by:

C. Capacities of the Crane

Erection Crane Configuration	Crane No. 1	Crane No. 2	
1) Type of Crane(s)			
2) Rated Capacity			Tons
3) Lifting Arrangement			
a) Maximum radius during lift			Ft.
b) Length of boom			Ft.
c) Angle of boom at pick			Deg.
d) Angle of boom at set			Deg.
e) Rated capacity under most severe conditions			
i) Over rear			Lb.
ii) Over front			Lb.
iii) Over side			Lb.
f) Rated capacity for lift			Lb.
4) Jib			
a) Is the jib to be used?			
b) Length of jib			Ft.
c) Jib angle			Deg.
d) Rated jib capacity			Lb.
5) Cable			
a) Number of parts			
b) Size of cable			In.
c) Maximum capacity			Lb.

Percent of Crane's Capacity

Total Weight X 100 = ____ %
Rated Capacity

Note: If percent of capacity is over 95%, the lift will not be made.

Sizing of Slings

Sling selection

a) Type of arrangement		
b) Number of slings to hook		
c) Sling size		In.
d) Sling length		Ft.
e) Rated capacity		Lb.

Tailing Crane Configuration

1) Type of crane		
2) Rated capacity		Tons
3) Lifting Arrangement		
a) Maximum radius during lift		Ft.
b) Length of boom		Ft.
c) Angle of boom at pick		Deg.
d) Angle of boom at set		Deg.
e) Rated capacity under most severe conditions		Lb.
i) Over rear		Lb.
ii) Over front		Lb.
iii) Over side		Lb.
f) Rated capacity for lift		
6) Jib		
a) Is the jib to be used?		
b) Length of jib		Ft.
c) Jib angle		Deg.
d) Rated jib capacity		Lb.
7) Cable		
a) Number of parts		
b) Size of cable		In.
c) Maximum capacity		Lb.

Percent of Crane's Capacity

$$\frac{\text{Total Weight}}{\text{Rated Capacity}} \times 100 = \underline{\quad\quad}\%$$

Note: If percent of capacity is over 95%, the lift will not be made.

Sling selection

f) Type of arrangement		
g) Number of slings to hook		
h) Sling size		In.
i) Sling length		Ft.
j) Rated capacity		Lb.