WIELAND-DAVCO CORPORATION
CRITICAL LIFT PERMIT

Section 1: Approvals and Documentation

A. Identification

Subcontract Number: _____ Location: _____

Lift Identification Name: _____

Date of Lift: _____ Time: _____

Lift Description: _____

B. Approvals (Signature Required)

Subcontractor: _____ Date: _____

Subcontractor Lift Supervisor: _____ Date _____
(This individual must be present during the lift)

Project Manager: _____ Date: _____

WDC Superintendent: _____ Date: _____

Operator: _____ Date: _____

Engineering: _____ Date _____
(If Engineering Designs are used)

WDC Safety Rep.: _____ Date: _____

C. Attachments

- ☐ 1. Operator Certifications
- ☐ 2. Capacity Certificates and Inspection Reports for all Lifting Equipment
- ☐ 3. Inspection Reports for all Rigging Equipment
- ☐ 4. Rigging Diagram
- ☐ 5. Free Body Diagram

Section 2 : Pre-Lift Planning

A. Pre-Lift Checklist

		(Initials) Yes	No
1.	Has an inventory of equipment been done?		
2.	Have weather conditions been considered?		
3.	Have the general safety precautions been reviewed?		
4.	Have the electrical safety procedures been reviewed?		
5.	Have the safe rigging practices been implemented?		
6.	Have the safety precautions been reviewed?		
7.	Has a method of attachment and handling been determined?		
8.	Are all lifting lugs engineered to specifications?		
9.	Has the matting been inspected and approved?		
10.	Has the stability of the ground been assured?		
11.	Is a tag line going to be used?		
12.	Have disconnecting/connecting means been developed?		
13.	Has the orientation of equipment been confirmed?		
14.	Is survey equipment required?		
15.	Is a Pre-Lift Meeting planned?		
16.	Is a total weight below 75% of capacity?		
17.	Are all required approvals signed?		

Section 3: Load and Capacity Calculations

A. Weight of Equipment – Live Load

1. Equipment Condition: ☐ New ☐ Used
2. Weight of Equipment Empty _____ Lbs
3. Weight of Attachments:
   a. Platforms and Ladders _____ Lbs
   b. Piping and Accessories _____ Lbs
   c. Liquids Inside _____ Lbs
   d. Dirt and Debris _____ Lbs
   e. Internal Trays or Liners _____ Lbs
4. Total Weight of Equipment _____ Lbs

B. Total Load

Erection Crane

1.	Percent of Equipment Weight _____ %	7.	Weight of Jib Erected	_____	Lbs.
2.	Amount of Eqiupment Weight _____ Lbs.		Stored	_____	Lbs.
3.	Weight of Headache Ball _____ Lbs.	8.	Weight of Jib Headache Ball	_____	Lbs.
4.	Weight of Block _____ Lbs.	9.	Weight of Cable (Load Fall)	_____	Lbs.
5.	Weight of Lifting Bar _____ Lbs.	10.	Auxiliary Boom Head	_____	Lbs.
6.	Weight of Slings and Shackles _____ Lbs.	11.	Other: _____	_____	Lbs.

Total Weight _____ Lbs.

Tailing Crane

1.	Percent of Equipment Weight _____ %	7.	Weight of Jib Erected	_____	Lbs.
2.	Amount of Eqiupment Weight _____ Lbs.		Stored	_____	Lbs.
3.	Weight of Headache Ball _____ Lbs.	8.	Weight of Jib Headache Ball	_____	Lbs.
4.	Weight of Block _____ Lbs.	9.	Weight of Cable (Load Fall)	_____	Lbs.
5.	Weight of Lifting Bar _____ Lbs.	10.	Auxiliary Boom Head	_____	Lbs.
6.	Weight of Slings and Shackles _____ Lbs.	11.	Other: _____	_____	Lbs.

Total Weight _____ Lbs.

Source of Load Weight: _____
(Name Plate, Drawings, Calculated, Weighed)

Weights Verified By: _____

C. Capacities of the Crane

Erection Crane Configuration

1. Type of Crane _____

2. Rated Capacity _____ Tons

3. Lifting Arrangement
   a. Max. Radius During Lift _____ Ft.
   b. Length of Boom _____ Ft.
   c. Angle of Boom at Pick _____ Degree
   d. Angle of Boom at Set _____ Degree
   e. Rated Capacity Under Most Severe Conditions
      1. Over Rear _____ Lbs.
      2. Over Front _____ Lbs.
      3. Over Side _____ Lbs.
   f. Rated Capacity for Lift _____ Lbs.

4. Jib
   a. Is the Jib to be used? _____ Yes/No
   b. Length of Jib _____ Ft.
   c. Jib Angle _____ Deg.
   d. Rated Jib Capacity _____ Lbs

5. Cable
   a. Number of Parts _____
   b. Size of Cable _____ Inch.
   c. Maximum Capacity _____ Lbs

D. Percent of Cranes Capacity

$$\frac{\text{Total Weight x 100}}{\text{Rated Capacity}} = \_\_\_\_\_ \%$$

E. Size of Slings

1. Sling Selection
   a. Type of Arrangement _____
   b. Number of Slings to Hook _____
   c. Sling Size _____ Inch.
   d. Sling Length _____ Ft.
   e. Rated Capacity _____ Lbs.

C. Capacities of the Crane

Tailing Crane Configuration

1. Type of Crane _____

2. Rated Capacity _____ Tons

3. Lifting Arrangement
   a. Max. Radius During Lift _____ Ft.
   b. Length of Boom _____ Ft.
   c. Angle of Boom at Pick _____ Degree
   d. Angle of Boom at Set _____ Degree
   e. Rated Capacity Under Most Severe Conditions
      1. Over Rear _____ Lbs.
      2. Over Front _____ Lbs.
      3. Over Side _____ Lbs.
   f. Rated Capacity for Lift _____ Lbs.

4. Jib
   a. Is the Jib to be used? _____ Yes/No
   b. Length of Jib _____ Ft.
   c. Jib Angle _____ Deg.
   d. Rated Jib Capacity _____ Lbs

5. Cable
   a. Number of Parts _____
   b. Size of Cable _____ Inch.
   c. Maximum Capacity _____ Lbs

D. Percent of Cranes Capacity

$$\frac{\text{Total Weight x 100}}{\text{Rated Capacity}} = \_\_\_\_\_ \%$$

E. Size of Slings

1. Sling Selection
   a. Type of Arrangement _____
   b. Number of Slings to Hook _____
   c. Sling Size _____ Inch.
   d. Sling Length _____ Ft.
   e. Rated Capacity _____ Lbs.