



## CRITICAL LIFT PLAN

Date: _____	Prepared By: _____
Project: _____	Location: _____

*A "critical lift" is defined as any non-routine crane lift requiring detailed planning and additional or unusual safety precautions. Critical lifts include: lifts made where the load weight is greater than 75% of the rated capacity of the crane; lifts which require load to be lifted, swung or placed out of the operator's view ; lifts made with more than one crane; lifts involving non-routine/technically difficult rigging arrangement; hoisting personnel with a crane or derrick; or any lift which the crane operator believes should be critical.*

A. TOTAL LOAD	
1. Load Weight	_____ lbs
2. Wt. of Aux. Block	_____ lbs
3. Wt. of Main Block	_____ lbs
4. Wt. of Lifting Beam	_____ lbs
5. Wt. of Sling/Shackles	_____ lbs
6. Wt. of Jib/Ext. (erected/stowed)	_____ lbs
7. Wt. of Hoist Rope	_____ lbs
8. Other:	_____ lbs
<b>TOTAL WEIGHT</b>	_____ lbs

*Note: Source of load weight (Drawings, Calcs, etc.) must be attached on Page 2.*

E. CRANE PLACEMENT <i>(Mobile Cranes Only)</i>	
1. Maximum Bearing Pressure _____ PSF	<i>Note: Bearing Pressure Calculations must be attached on Page 3.</i>
2. Ground Conditions Suitable for Load? _____ YES / NO	<i>Note: Ground Condition Calculations must be attached on Page 3.</i>
3. High Voltage or Electrical Hazards? _____ YES / NO	<i>Note: If Electrical Hazards are present they must be shown on Page 4.</i>
4. Obstructions to Lift or Swing? _____ YES / NO	<i>Note: If Obstructions are present they must be shown on Page 4.</i>
5. Travel with Load Required? _____ YES / NO	
6. Other? _____	

B. CRANE	
1. Type of Crane	<u>Mobile Hydraulic Truck</u>
2. Maximum Crane Capacity	_____ lbs.
3. Radius (Maximum)	_____ ft.
4. Radius (Minimum)	_____ ft.
5. Boom Length (Maximum)	_____ ft.
6. Boom Length (Minimum)	_____ ft.
7. Crane Capacity (Max Radius)	_____ lbs.
8. Crane Capacity (Min Radius)	_____ lbs.
9. Boom Angle (Maximum)	_____ deg.
10. Boom Angle (Minimum)	_____ deg.
11. Gross Load of Crane	_____ lbs.
12. Lift is _____ % of the Crane's rated capacity	
13. If Jib/Ext. is to be used:	
Length	_____ ft.
Offset	_____ ft.
14. Rated Capacity of Jib/Ext.	_____ lbs

F. OPERATOR QUALIFICATIONS	
1. Certified Operator?	_____ YES / NO
2. Option?	_____
3. Certified for Type, Class & Capacity?	_____ YES / NO
4. Designated in writing by employer:	_____ YES / NO

C. HOIST ROPE	Main	Aux 1	Aux 2
1. # of Parts			
2. Rope Diameter			
3. Capacity			

G. PRE-LIFT CHECKLIST	(YES)	N/A	(NO)
1. Crane Inspected			
2. Rigging Inspected			
3. Crane Set-up			
4. Overhead Hazard Check			
5. Swing Check			
6. Counterweight Check			
7. Operator Qualifications			
8. Signal Person Qualifications			
9. Rigger Qualifications			
10. Load Chart in Crane			
11. Load Test			
12. Tag Lines			
13. Wind Conditions			
14. Traffic Hazard Check			
15. Site Control			
16. Signatures			

D. RIGGING	
1. Hitch Type(s)	_____
2. No. of Slings: _____ Size: _____	
3. Sling Type: _____	
4. Sling Assembly Capacity: _____ lbs.	
5. Shackle Size(s): _____	
6. Shackle Rated Capacity(s) _____ lbs.	

H. SIGNATURES	
1. Crane Operator	_____
2. Rigger	_____
3. Signal Person	_____
4. Lift Supervisor	_____
5. Other	_____
6. Other	_____

CRITICAL LIFT PLAN

LOAD CALCULATIONS

Show here or attach calculations, drawings, etc.

A large grid area for calculations and drawings, consisting of approximately 30 columns and 40 rows of small squares.

# CRITICAL LIFT PLAN

## BEARING PRESSURES & GROUND CONDITIONS

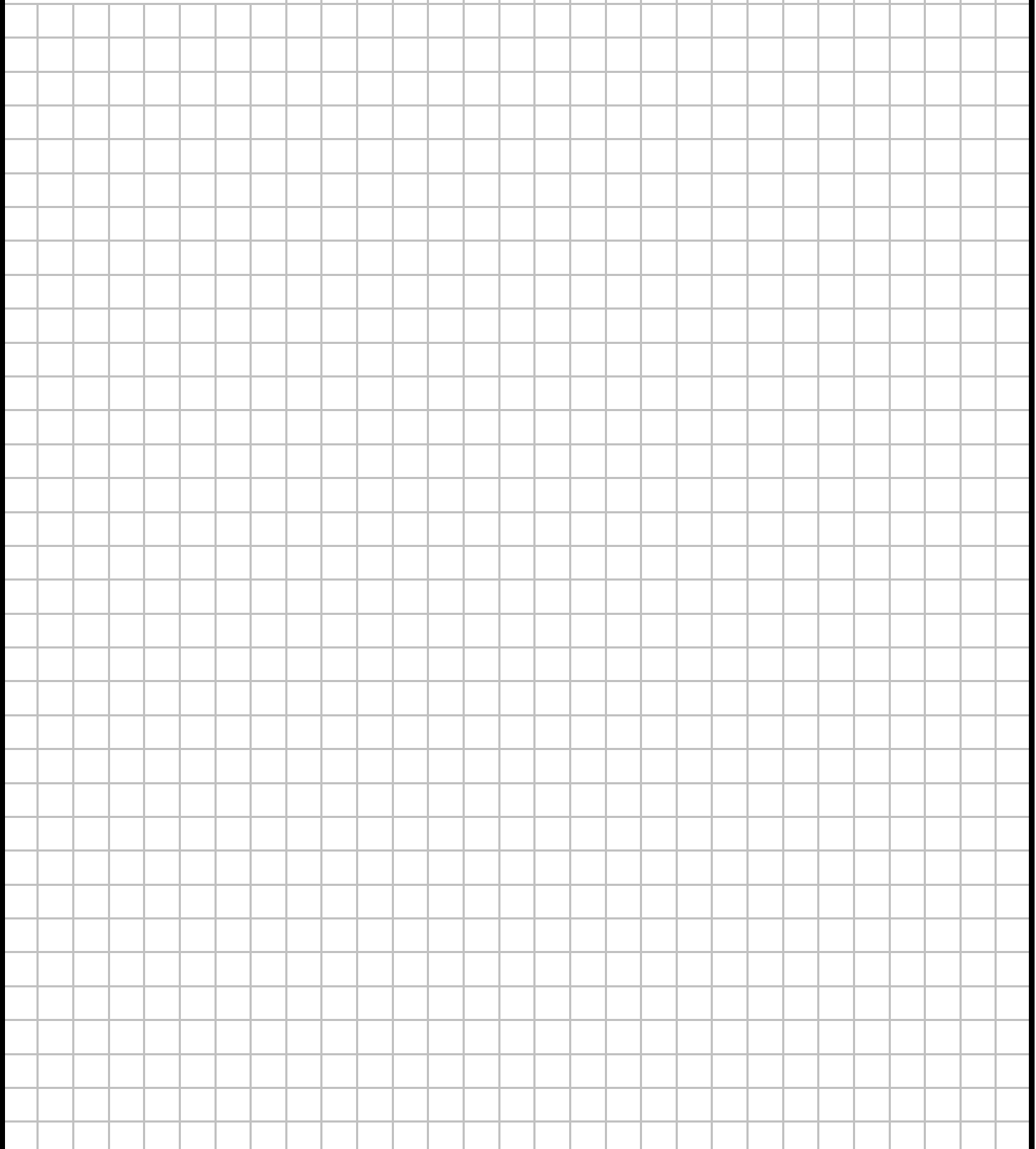
*Show here or attach calculations, drawings, etc.*

A large grid area for calculations and drawings, consisting of 30 columns and 30 rows of small squares.

# CRITICAL LIFT PLAN

## LOAD CHART

*Show here or attach load chart*





# CRITICAL LIFT PLAN

## SITE PLAN

*Show here or attach site plan and sequencing*

