

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		E. CRANE PLACEMENT (Mobile Cranes Only)	
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	
TOTAL WEIGHT			
Note: Source of load weight (Drawings, Calcs, etc.) must be attached on Page 2.		1. Maximum Bearing Pressure PSF Note: Bearing Pressure Calculations must be attached on Page 3.	
		2. Ground Conditions Suitable for Load? YES / NO Note: Ground Condition Calculations must be attached on Page 3.	
		3. High Voltage or Electrical Hazards? YES / NO Note: If Electrical Hazards are present they must be shown on Page 4.	
		4. Obstructions to Lift or Swing? YES / NO Note: If Obstructions are present they must be shown on Page 4.	
		5. Travel with Load Required? YES / NO	
		6. Other?	

B. CRANE		F. OPERATOR QUALIFICATIONS			
1. Type of Crane	Mobile Hydraulic Truck	1. Certified Operator?		YES / NO	
2. Maximum Crane Capacity		2. Option?			
3. Radius (Maximum)		3. Certified for Type, Class & Capacity?		YES / NO	
4. Radius (Minimum)		4. Designated in writing by employer:		YES / NO	
5. Boom Length (Maximum)					
6. Boom Length (Minimum)					
7. Crane Capacity (Max Radius)					
8. Crane Capacity (Min Radius)					
9. Boom Angle (Maximum)					
10. Boom Angle (Minimum)					
11. Gross Load of Crane					
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		

C. HOIST ROPE		Main	Aux 1	Aux 2	
1. # of Parts					
2. Rope Diameter					
3. Capacity					
G. PRE-LIFT CHECKLIST					
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		H. SIGNATURES	
1. Hitch Type(s)		1. Crane Operator	
2. No. of Slings:	Size:	2. Rigger	
3. Sling Type:		3. Signal Person	
4. Sling Assembly Capacity:	lbs.	4. Lift Supervisor	
5. Shackle Size(s):		5. Other	
6. Shackle Rated Capacity(s)	lbs.	6. Other	