# NMO Critical Lift Plan Sheet

**Unit #:**

**Date:**

**Location:**

**Load Description:**

**Lift Description:**

Diagram of Crane Lift & Load Placement Attached:  Yes _______  No _______

## A. Load

1. Load condition:  

2. Wt. Empty  

3. Wt. of Contents  

4. Wt. of Aux. Block  

5. Wt. of Main Block  

6. Wt. of Lifting Beam  

7. Wt. Of Slings/Shackles/Other Rigging  

8. Wt. Of Jib (erected/stowed/stored)  

9. Wt. Of Hoist Rope (extra)  

10. Wt. Of Excess Load Material  

11. Other  

**Gross Weight**

Source of Load Wt. Information: (drawings, calcs., ect.)

**Load Wt. Confirmed by:**

## B. Crane

1. Type of Crane  

2. Maximum Crane Capacity.  

3. Boom Length  

4. Radius at Pick-up ______ ft. / Set-down ______ ft  

5. Crane capacity at radius: over rear __________ lbs.  
   Over side __________ lbs. / Over front __________ lbs.  

6. Boom angle at Pick-up ______ ft. / Set-down ______ ft.  

7. Max. rated capacity of crane at this boom length, radius and  
   boom angle for this lift is ______ lbs.  

## F. Crane Placement

1. Any deviation from smooth, solid foundation?  

2. High voltage or electrical hazards?  

3. Buildings, Equipment, Plant, or Services to lift or swing over?  

4. Travel ?  

5. Swing direction ?

## G. Considerations

1. If lift exceeds 75% of crane's capacity, attach  
   additional special instructions, restrictions,  
   diagrams for crane, rigging, lift, ect.  
   Yes _______  No _______

2. Multiple crane lifts require a separate plan for each crane.  

3. Any changes in the crane configuration,  
   placement, rigging, lifting scheme, or calculations  
   require that a new critical lift plan be developed.

## H. Pre-lift checklist-Completed Prior to Lift

1.  _____ Crane insp  
   10.  _____ Rigger Qualified  

2.  _____ Rigging ins  
   11.  _____ Signal system  

3.  _____ Crane set- up  
   12.  _____ Tag lines  

4.  _____ Swing room  
   13.  _____ Wind/Temp.  

5.  _____ Hoist heigh  
   14.  _____ Safety spotter
8. Max. load on crane for this lift is ___________________________ lbs.
9. Lift is ______________________% of the crane's rated capacity

C. Jib/Fly
1. Erected __________ Stowed __________ Stored __________
2. If jib/fly to be used: length __________ angle __________
3. Rated capacity of jib/fly from chart _______________________ lbs.

D. Hoist Rope
1. Rope diameter __________ Number of parts __________
2. Lift capacity based on parts ___________________________ lbs.

E. Rigging
1. Hitch type _____________________________________________
2. No. of slings __________ Size __________ Type __________
3. Sling assembly rated capacity _______________ lbs.
4. Shackle size __________ No. of shackles _____________
5. Shackle rated capacity __________________________________ lbs.
6. Shackle secured to load by: ________________________________

6. _________ Head room 15. _________ Traffic
7. _________ Crane Ctrw 16. _________ Tailboard
8. _________ Load test 17. _________ Site control
9. _________ Operator Q 18. _________ Signatures

I. Notes/Comments
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

__________________________________________ Supervisor Signature Date

__________________________________________ Crane Operator Signature Date

__________________________________________ Lead Rigger Signature Date