

**Lift Title:** Lifting 24' & 26' Roof Beams  
**Lift #:** C-09-001-L  
**Date:** 15 April, 2009

Complete all information. Use as many sheets as necessary.	
Lift location: Hall C	Prepared by: A. Kenyon
Division: PHY	Reviewed by(worker): <i>[Signature]</i>
Department: Hall C	Reviewed by (worker): <i>[Signature]</i>
Supervisor: W. Kellner	Approved by: <i>[Signature]</i>
Standard Requirements: Crane Operator, Master Rigger, Fall Protection, Hard Hat, Safety Shoes	

Step	Description	Safety Procedures/Practices/ Controls
1.	What is to be lifted?	24' or 26' Roof Beam
2.	Are there any special precautions?	
3.	What is the weight of the load?	7.5T or 8T
4.	Where is the center of gravity?	Roughly center of beam
5.	Is the load stable? Does it need to be stabilized?	Yes/No
6.	What is the capacity of the crane/hoist?	20 T
7.	Classify the lift per Appendix 6140-T4 of EH&S manual.	Not a complex lift
8.	List each piece of equipment, accessory, and rigging component, by type and rated capacity, that will be used during the lift.	
	Crane	20 T
	Hoist	10 T Chain Fall
	Fork Truck	NA
	Slings (identify the configuration used: choker, basket, or vertical, and angle (see Figure 1 below))	2 6' EN280 (25,000# Vertical Orange) use straight
	Shackles	4 8-1/2 T, 1 25 T, 2 29T, 1 35 T
	Eye Bolts/Swivel Eyes	2 5 T Swivel Eyes
	Other (Special Lifting Fixture, Below the Hook Lifting Devices, Multi Leg Bridle, etc)	1. 30 T Spreader 2. D.O.S. Chain Bridal 5/8 Gr 80 31,300# HOR 60 10' 5-1/2"
9.	What rigger calcification is required? Journeyman/Master	Master
10.	What personnel will you need to assist with the lift?	
	Crane operator	Hall C Tech

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	Fork operator	NA
	Rigger	Hall C Tech
	Spotter	2 Hall C Techs
	Other	
11.	Safety Equipment	Hard hat, safety shoes, gloves
12.	Has rigging been inspected?	Y
12.a	Additional information	Y

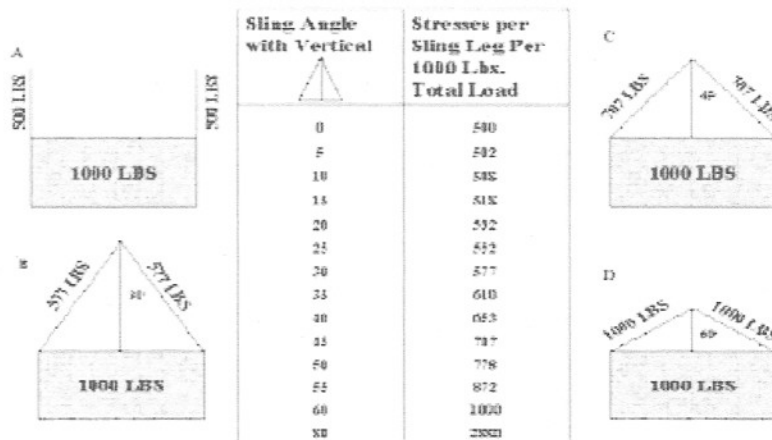


Figure 1: Sling Load

The chart may be used as a guide for assessing sling load.

On the rigging sketch (Figure 2) identify the following:

1. Lift points
2. Shackles/swivel eyes
3. Slings, sling angles, and sling loads
4. Accessories
5. Capacities

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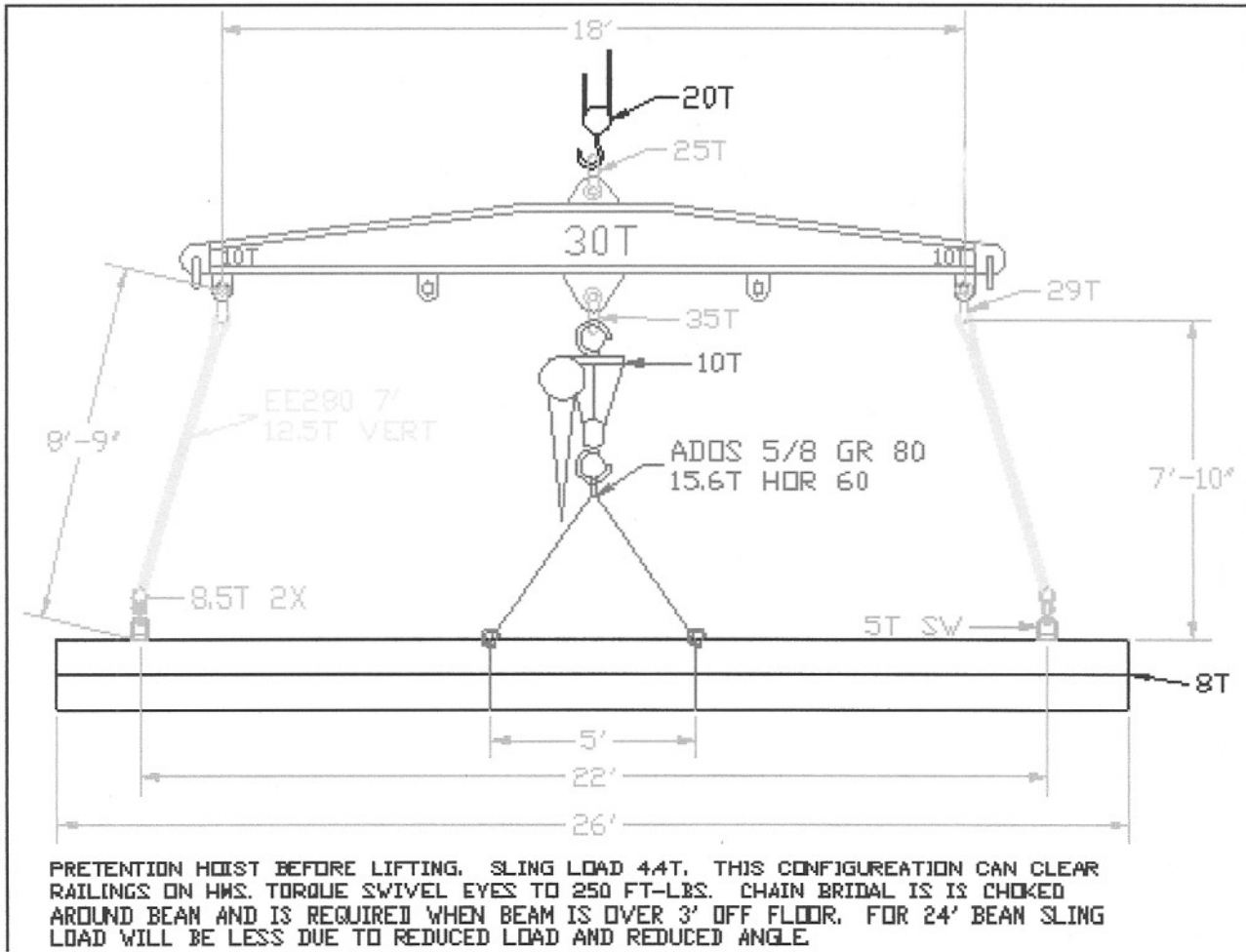


Figure 2: Rigging Sketch

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Sketch the load path for limited access pick or complex (or higher) lifts. Include all relevant aspects such as load height, obstructions, crane speeds etc.

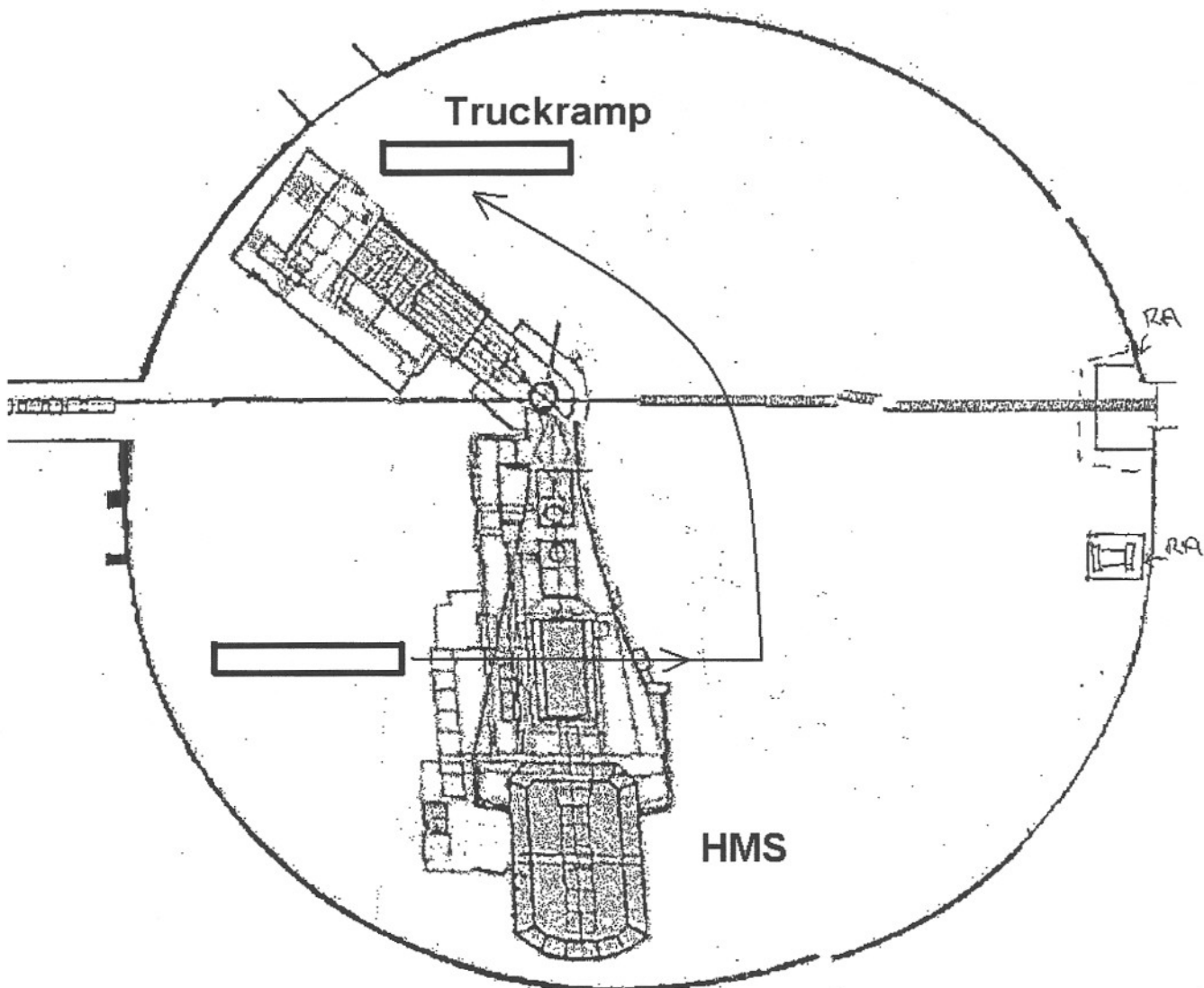


Figure 3: Load path Sketch