

Lift Plan Permit

This form has three sections used to document the lift plan required for all *critical, planned engineered and pre-engineered production lifts*. Deviations from the approved plan must be reviewed by the original approvers. A copy of the plan must be uploaded in to Teamcenter.

If the lift is covered by an existing procedure, attach it to the form and fill out only the first page.

Approved plans may be reused for similar lifts of like material with the same lifting equipment. The date of the lift and workers may be different. Plans must be signed only once: by preparers and approvers when being written and approved, and by workers after reading the plan. Plans must be revised and reapproved if conditions change.

Section 1: Plan Details

Work Order/ Project Number/ Permit Number: _____

1	Plan Preparer:		Location of Lift:
2	Description of Object to be Lifted:		
3	Type of Lift: <i>Check all that apply</i> <i>See FESHM 10200 for definitions of each lift</i>	<input type="checkbox"/> Critical <input type="checkbox"/> Planned Engineered <input type="checkbox"/> Pre-Engineered Production	
4	Hoisting Equipment Manufacturer & Type:	Model Number: Type:	Rated Capacity: Inspection Date ___/___/___

Sections 5, 6, 7, 8, 9 and 10 are to be filled out when a mobile crane is used.

5	A. Expected Radius:	(Maximum Radius pick, swing, set)	(Planned Radius)
	B. Load Rating at Radius:	(Maximum Radius)	(Planned Radius)
	C. Swing Direction and Degrees of Swing	Swing Direction:	Degrees of Swing:
	D. Lift Elevation and Boom Angle	Lift Elevation:	Boom Angle:
6	A. Weight of Rigging:	A. _____ B. _____	
	B. Weight of Load:		
7	A: Total Load Weight:		
	B: Percent of Rating (for mobile crane):		
8	Jib or Boom Extension Used (Yes or No)	Length/Erected:	Weight
9	Clearances:	Load to Boom:	
		To Existing Facilities:	
		To Power Lines:	
		Fall Zone:	
10	Ground Stability:	Surface Type:	<input type="checkbox"/> Bare Ground <input type="checkbox"/> Asphalt <input type="checkbox"/> Concrete <input type="checkbox"/> Other
		Ground Stable/Support Needed:	<input type="checkbox"/> No <input type="checkbox"/> Yes – Type: _____
11	Anticipated Hazards: (wind, weather, visibility, power lines)	<input type="checkbox"/> Wind is < than 25 MPH or lower as specified in JHA. <input type="checkbox"/> Power Lines > 20 Feet from Maximum Working Radius of Crane (see OSHA 1926.1408) <input type="checkbox"/> Other _____	
Attachments Included:		<input type="checkbox"/> Operator Qualifications (Required) <input type="checkbox"/> Crane Operator Medical Card (Required for mobile cranes) <input type="checkbox"/> Crane Operator Evaluation Form (Mobile cranes only) <input type="checkbox"/> Rigger Qualifications (If riggers are used)	<input type="checkbox"/> Site Plan <input type="checkbox"/> Utility locating documentation (e.g. JULIE) <input type="checkbox"/> Rigging Configuration (Required) <input type="checkbox"/> Hazard Analysis

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Define Rigging Gear Requirements

1. List each piece of rigging gear shown on the rigging sketch or photo in the table below (such as: load hook, shackles, slings, eye bolts). If a component weighs more than 10 pounds, include the weight in the weight column.
2. Label the sketch or photo using the corresponding number for the gear.
3. Draw sling angles and the resulting load reduction factors for slings and eyebolts.
4. Calculate the force on each piece of rigging gear. Show that angles are accounted for in determining forces.
5. Determine the required rigging gear capacity and size. Indicate if this is an exact specification or a minimum.

Item	Name of Rigging Equip: (Sling, Eyebolt, etc.)	Weight	Force on gear	Capacity / rating / working load limit	Size specifications
1					
2					
3					
4					
5					
6					
7					
8					

Section 2: Rigging Plan and Sketch

Plan the Rigging *(define specific controls)*

On a sketch or photo (see sketch grid on next page), show how the item will be rigged and the type of gear to be used:

1. Show location of shackles, hoist rings, spreader beams, slings, etc.
2. Show attachment points (how rigging gear will be attached to load)
3. Show where padding of sharp edges is necessary
4. Provide the weight of heavy equipment such as a lifter or spreader beam
5. Show proper orientation of eyebolts
6. Indicate the center of gravity (horizontal and vertical)

Rigging Sketch or Photo of Rigged Item *(Include all information required to determine that the load is properly rigged, and that appropriate rigging gear is selected. Include, as applicable, sling angles, eye bolt orientation, padding points, center of gravity, type of sling hitch, and any other pertinent information.) May attach drawings.*

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Section 2: Rigging Plan and Sketch, continued

Rigging Sketch or Photo of Rigged Item *(Include all information required to determine that the load is properly rigged, and that appropriate rigging gear is selected. Include, as applicable, sling angles, eye bolt orientation, padding points, center of gravity, type of sling hitch, and any other pertinent information.)*

