### The University of Michigan

### **Crane - Safety Checklist**



Task Description		Job/Work Order No Date:			
Personal Protective Equipment		<u>Crane</u>	Rigging Plan		
Fall Protection – Roof/Hole Guardrails – PFAS (Harness) Traffic Vest Traffic Paddle/Sign Hard Hat	Annual C	Certification — (Certified Crane — Designated Qualified Rig Communication Plan — Designated Certified Sign Person — Inspection of Rigging			
Safety Glasses Gloves Protective Footwear Other Other		Specific Training Potential Hazards Related ask	Gear w/ known load limits Weight of the load Load's center of gravity Sling angles determined Side loading issues		
		raffic Control	Padded slings		
Ground/Environmental - Hazards  Utilities Identified  Wind  Electrical Wires - Overhead  1-800-Miss-Dig or UM Utilities  Tunnels - Structural review  Rain - lightening - ground  Earth Retention System (review)  Restricted Access/Egress  Impact - Other buildings  Restricted Lighting  Winter ground movement  Other  Other Hazards  Trenches nearby	Vehicles Road Clo Barricade Person as Flag Pers Pedestria Barricade City Side Spotters  Staging A	osure – Permit from City es/detour signage ssigned to Direct Traffic son w/ Vest & Flag an Traffic e/detour signage – Tape ewalk Closure Permit  Area - Trucks/Material Parking for lot closures	Working load limits acquired     Hitch load appropriate     Tag lines required     Level load     Any special requirements      Other Items     Contact EHS     Pre-Lift Meeting     Manufacturer's Requirements		
Fall Potential Soft Ground Type of Out Rigger Pads Pinch Points Slip/Trip Potential	Building Occupants  Occupied  Weekend or Off Hours Lift – No one in the Building Restrict travel within Building (No one under loads) Post guards - signs If Occupied – Structural review for dropped load Other - Notify Management for Procedures & Review				
☐ Employee Involvement  Task Specific Requirements		☐ Given At Task Location			
Names of Personnel		Contacts			
NCCCO -		Patti Spence – Traffic Coordi	ination Meetings: paspence@umich.edu		
Qualified Rigger -		Matt Kettmann – EHS <u>mkett@umich.edu</u>			
Cartified Signal Dargen		Parking Lat Clasura Paguagti alaganark Qumiah adu ar 647 2615			

ATTENTION: Verify that all workers understand their duties and job requirements

Updated: 5/17/2019

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### **LIFT EVALUATION FORM**

1. Activity:			
Location of Lift:	Date:		
2. Description of Load:	Load Weight:		
	Block Weight:		
	Spreader Weight:		
	Rigging Weight:		
	Jib Weight:		
	Jib Ball Weight:		
	Hoist Line Weight:		
	Total Load:		
3. Crane Manufacturer:		<b>'</b>	
Model Number:	Serial Number:		
Maximum Load Radius:	On Outriggers:		
Corresponding Boom Angle:	On Tires:		
Corresponding Boom Length:	On Crawler-Extended Retracted:		
Lift will Be: On Boom On Jib Over Side	Over End		
Rated Capacity:			
Capacity Margin = (Total Load / Rated Capacity) x 100 =			
4. Are there Underground Hazards? Yes No			
Soil Conditions:			
Will Blocking or Crane Mat be Used? Yes No			
Are there Fire or Explosive Hazards Within Reach? Yes	No		
Are There Electrical Hazards Within Reach? Yes N	0		
Has Permit Been Obtained? Yes No			
Prepared by:	Date:		

Updated: 5/17/2019

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Review checklist and site specific Job Hazard Analysis specific to the operation with all affected employees.

I acknowledge receiving these instructions, understand the instructions, and will fully comply with the assigned job task.

Signature	Badge #	Signature	Badge #
			_
			_
			_
			_

Forms are periodically updated. It is recommended the current form be downloaded from: <a href="http://ehs.umich.edu/wp-content/uploads/sites/37/2016/07/Crane-SafetyChecklist.pdf">http://ehs.umich.edu/wp-content/uploads/sites/37/2016/07/Crane-SafetyChecklist.pdf</a>

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