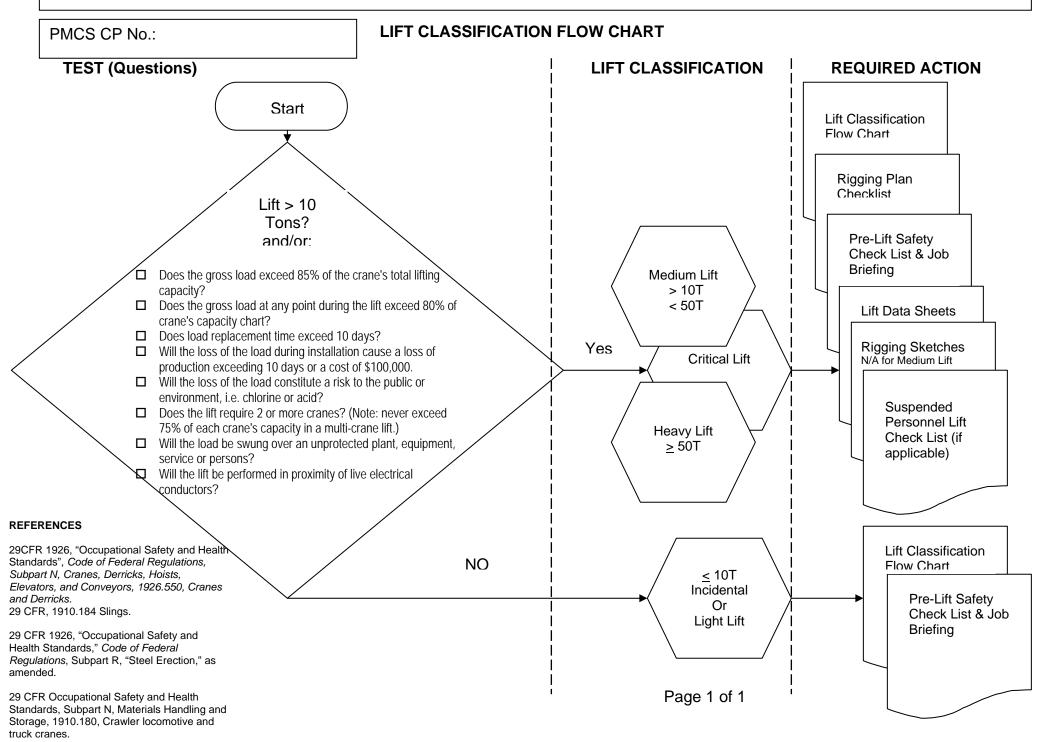
INSTRUCTIONS: Ask yourself the questions in decision block; Check off questions that apply; follow the Yes or No; circle the Yes or No and initial; Fill out the required forms listed under Required Action and provide required data to PMCS 7 Calendar days prior to lift. Company Name: \_\_\_\_\_\_ Print: \_\_\_\_\_ Date: \_\_\_\_\_



Pre-Lift Safety Checklist (Required f	or Incidental	/Light, Medium, (	Critica	ll & Heavy L	.ifts)
					Page 1 of 2
Project		In:	spectio	on Date	
Crane Make	Model	Se	erial No	)	
Crane Manufacturer					
Equipment No	Hours	C	rana C	anacity	
		0			
Lift Date	Lift Weight	Lit	ft Dime	nsions	_ x x
Weather Conditions					
Pre-Lift Verifications					
Verify that you satisfy all items in this check adhere to all precautions and instructions of document verification.					
1. Verify acceptability of lines and fasteni	nas (no fraved	cables worn parts	etc.)		
Load Lines	Boom Li	nes		Sheaves an	d Blocks
2. Verify acceptability of boom members	and connection	IS /Datasti - Masalast		D	
Correct Alignment 3. Verify acceptability of machinery		Defective Members	5 📋	Boom Pins/I	Keepers in Place
	Power T	ake-Off and Clutch		Winch Drum	is and Gears
Brakes	Safety D	-		Controls	
<ul> <li>Crane Tracks/Truck Mounting</li> <li>Verify acceptability of rigging accessor</li> </ul>	Outrigge	ers		Cab	
Size	Capacity	/		Condition	
5. Verify acceptability of the following:					
Boom Length Crawlers/Outriggers Fully Extended	Radius		H	Load Line I Crane Leve	
6. Verify acceptability of ground condition					/
Ground can Take Crane Loading				No Muddy/	Uneven Terrain
<ul><li>Fill (if any) Compacted</li><li>7. Verify overhead power line clearances</li></ul>		eq'd (verify number	size)		
<ol> <li>Verify overhead power line clearances</li> <li>8. Verify crane operator qualifications </li> </ol>					
9. Verify the lifting path is free of obstruct	ions 🗌				
10. Use tag lines		-			
11. Position a signal person in clear view of	of the crane ope	erator OR establish	radio c	communicatio	n 🛄

Pr	e-Lif	t Safety Checklist (Required for Ind	cidental/Light, Medium, Critical & Heavy Lifts)
12.		orm a preliminary lift by slowly raising ar ipment AND suspension of the load	nd lowering the load a few inches and checking the function of all
13.	Ver	fy the rigging scheme agrees with the ap	pproved rigging diagrams
		Yes No If No	O, explain on page 2
14.	Ver	fy the following weights and look for disc	prepancies:
	Α.	Home office engineering calculated $\Box$	
	В.	Rigging department calculated 🗌	
	C.	Field Engineer calculated	
	D.	Vendor calculated	
	E.	Scale or load cell weight 🗌	
15.			e crane chart capacity, either weigh the load on scales or with an ading the crane and rigging attachments $\Box$
16.		ect and verify the acceptability of the ent prior to making the lift	tire crane assembly, auxiliary equipment, engineering data and
			Page 2 of 2
17.	Ver	fy current crane, hook, wire rope, sling a	nd rigging hardware inspections completed.
		Yes 🗌 No	
A	dditio	nal Comments:	
Rig	ging	Engineer	Date
Hoi	sting	and Rigging Superintendent	Date

# (Required for Medium, Critical & Heavy Lifts)

Proj	ect Name:		Date:		
Prep	arer:				
Rig	ging Plan Initial Cons	iderations		Yes	N/A
1	Address soil conditions and s along the haul path and at loc	ite terrain for lifting equipment a cation of the lift.	and to ensure stability		
2	required (i.e. extreme cold, he		-		
3	damage to existing utilities an	s along the haul path or at the id to ensure adequate ground s	support.		
4	maintained during both heavy				
5	available.	ing hardware requirements to e			
6		t equipment into and out of the f cranes/equipment should also			
7	Verify whether or not escorts	are required to ensure safe mo	ovement of the load.		
8	Consider the need for a conti	ngency plan based on a list of t	typical risk scenarios.		
Rig	iging Plan Preparatior	•			
1	recommended of specified lift	uipment weight, location of cer ing points, and special handling	g requirements).		
2		equipment to be used in the wo			
3	equipment, lift crane, trailing of final "set" position of the lifted		n to be lifted, and the		
4	A layout of the work area, inc interferences.	luding the locations of all obsta	cles and potential		
5	from existing facilities, utilities				
6	attachment of lift points.	ed/hauled including verified we	•		
7		vings showing component weig achment points, and center of			
8	Actual shipping weight tickets	should be attached to the rigg			
9		aration and crane mat requirem			
10		ns of underground utilities that or ration of that require special clo			
11	beams, shackles, hooks and	d for the rigging operation, inclu other components in the load c	hain.		
12		ne the forces applied to each rig Standard rigging reference ch he components required.			
13	Load capacity charts and note	es for cranes or other equipme the crane and reference in the			
14	A description of the communi and rigging crews during com	cation method to be used by equipletion of the lift.	quipment operators		
15	complete the lift.	as the effects of wind on the at			
16	Any special precautions that t (e.g. removal of temporary sh	the work crew must be aware on ipping skids prior to lifting).	of prior to making the lift		

### LIFT DATA SHEET -- Single Crane Pick and Set

Project:	Originator	Date
Job No.:	Checker	Date
	Revision	Date
Pour Load Departmetican		

Pay Load Des	scription:			
Length:	Height:	Width/Diameter:	Weight:	LBS.
Pay Load Wei	ight includes all applicat	le internals, trays, insulation, firepro	oofing, etc., based on attache	d calculations

Pay Load Weight includes all applicable internals, trays, insulation, fireproofing, etc., based on attached calculations Reference Drawings:

Crane 1 Configuration	
Crane Type:	
Boom Type:	
Boom Length:	
Тір Туре:	
CWT's (Main):	
Superlift CWT's:	
Block Size:	
Line Size:	
Parts of Line:	
Parts/Maximum :	
Jib Type:	
Jib Length:	
Jib Offset:	
•	
% Pay Load Weight to Crane 1	%

# Crane 1 Fixed Weights (Pounds) Crane Items Weight

Main Load Block					
- Load Line	in Falls				
Sheaves (	deduct)				
Jib (deduct)					
Rigging					
Size	Load Rate				
Slings Shackles					
Rigging B.O.M.					
l Weight Cra	ane 1				
	Block - Load Line Sheaves ( ) Rigging Size D.M.	Block - Load Line in Falls Sheaves (deduct) ) Rigging Size Load Rate			

### Crane 1 Lift Weight Summary (Pounds)

Total Fixed Weight	
Portion of Pay Load Weight	
Total Lifted Load	

#### Pick/Carry Capacity Crane 1

Total Pay Load Wt. X % Crane 1

Actual Pick Radius (Feet)	
Chart Radius (Feet)	
Chart Capacity (Pounds)	
Percentage Capacity	

### Set Capacity Crane 1

Actual Set Radius (Feet)	
Chart Radius (Feet)	
Chart Capacity (Pounds)	
Percentage Capacity	

#### **Calculated Pay Load Weight**

Description	Quantity	Calculation Extensions	Weight
Pay load/Equipment/Vessel			
Internal Components (i.e.trays)			
Insulation			
Fireproofing			
Ladders & Platforms			
Pipe Downcomers			
Other Equipment attached			
Fixtures			
Fluids			
Total Estimated Pay Load Weigh	t		

# LIFT DATA SHEET -- Single Crane Pick and Set

Project: Job No.:				Che	jinator cker ision			Date Date Date	
	Description:								
Length:	Height:		Width/Dian	neter			Weight:		LBS
	pacity (Pounds)					acity (Poun	ids)		
Percenta	ge Capacity				Percentag	e Capacity			
Calculat	ed Pay Load Weight								
	Description	Quantity		Cal	culation Ex	tensions		Weight	
	/Equipment/Vessel								
	Components (i.e.trays)								
Insulation									
Fireproofi									
	& Platforms								
Pipe Dow									
	uipment attached								
Fixtures									
Fluids							1		
Total Est	imated Pay Load Weig	ht							
Rigging Item	Bill of Material's Product Description	n Size	Rating	Qty	. Units	Length	Wt./Unit	Weight	
nem		1 SIZE	Rating			Length	wt./Onit	weight	
·									
Total We	eight:								
	t Information: (Attach			if re	quired)				
	n Clearance from Bo				<u> </u>				
	n Clearance from Bo	om to Lifte	a Piece oi	spi			Allan - 11		
Ground	Bearing Pressure:				Actual:		Allowable:		
Special	Instructions or Restrie	ctions for C	rane, Rig	ging	, Lift, etc.:				

#### LIFT DATA SHEET -- Two Crane Pick and Set

NOTE: If two crane lift not applicable, draw a single diagonal line across two crane lift data pages and sign the last

Project:	Originator	Date
Job No.:	Checker	Date
	Revision	Date
Pay Load Description:		

	scription.			
Length:	Height:	Width/Diameter:	Weight :	LBS.
Pay Load Wo	vight includes all applicable	o internale trave inculation	firepreding atc. based on attache	d calculations

Pay Load Weight includes all applicable internals, trays, insulation, fireproofing, etc., based on attached calculations Reference Drawings:

#### Crane 1 Configuration

Crane Type:
Boom Type:
Boom Length:
Tip Type:
CWT's (Main):
Superlift CWT's:
Block Size:
Line Size:
Parts of Line:
Parts/Maximum:
Jib Type:
Jib Length:
Jib Offset:

#### Crane 1 Fixed Weights (Pounds)

(	Crane Item	S	Weight				
Main Load	Block						
Wire Rope	- Load Line	in Falls					
Jib Block							
Aux. Boom							
Jib (deduct							
	Rigging						
Item	Size	Load Rate					
Spreader							
Slings							
Shackles							
Rigging B.0	Rigging B.O.M						
Total Fixed	Weight Cra	ane 1					

% Pay Load Weight to Crane 1

%

Total Pay Load Wt. X % Crane 1

#### Crane 1 Lift Weight Summary (Pounds)

Total Fixed Weight	
Portion of Pay Load Weight	
Total Lifted Load	

#### Pick/Carry Capacity Crane 1

Actual Pick Radius (Feet)	
Chart Radius (Feet)	
Chart Capacity (Pounds)	
Percentage Capacity	

#### Crane 2 Configuration

Crane Type: Boom Type: Boom Length: Tip Type: CWT's (Main): Superlift CWT's: Block Size: Line Size: Parts of Line: Parts/Maximum: Jib Type: Jib Length: Jib Offset:

#### Crane 2 Fixed Weight (Pounds)

(	Weight						
Main Load							
Wire Rope							
Jib Block							
Aux. Boom	Sheaves (	deduct)					
Jib (deduct							
	Rigging						
Item	Size	Load Rate					
Spreader							
Slings							
Shackles							
Rigging B.0	Rigging B.O.M						
Total Fixed	I Weight Cra	ane 2					

% Pay Load Weight to Crane 2

%

Total Pay Load Wt. X % Crane 2

#### Crane 2 Lift Weight Summary (Pounds)

Total Fixed Weight	
Portion of Pay Load Weight	
Total Lifted Load	

#### Pick/Carry Capacity Crane 2

Actual Pick Radius (Feet)	
Chart Radius (Feet)	
Chart Capacity (Pounds)	
Percentage Capacity	

## LIFT DATA SHEET -- Two Crane Pick and Set

Project:		(	Originator	Date	
Job No.:			Checker	Date	
		I	Revision	Date	
Pay Load Des	cription:				
Length:	Height:	Width/Diam	eter:	Weight :	LBS.
Set Capacity	Crane 1		Set Capac	city Crane 2	
Actual Set Ra	dius (Feet)		Actual Set	Radius (Feet)	
Chart Radius (Feet)			Chart Radius (Feet)		
Chart Capacit	y (Pounds)		Chart Cap	acity (Pounds)	
Percentage C	apacity		Percentage	e Capacity	

# Calculated Pay Load Weight

Description	Quantity	Calculation Extensions	Weight
Pay load/Equipment/Vessel			
Internal Components (i.e.trays)			
Insulation			
Fireproofing			
Ladders & Platforms			
Pipe Downcomers			
Other Equipment attached			
Fixtures			
Fluids			
Total Estimated Pay Load Weight			

# Rigging Bill of Material's - Crane 1

Item	Product Description	Size	Rating	Qty.	Units	Length	Wt./Unit	Weight
otal We	ight:							

## **Rigging Bill of Material's - Crane 2**

ltem	Product Description	Size	Rating	Qty.	Units	Length	Wt./Unit	Weight
otal We	ight:			<u> </u>				

### LIFT DATA SHEET -- Two Crane Pick and Set

Project: Job No.:		Originator Checker Revision				Date Date			
Pay Load	Description			Revi	51011	Date			
Length:	Description	Height:	1	Width/Diameter:		Weight :	LBS.		
Minimun	n Clearance	from Bo	om to Obst	ruction:					
Minimun	n Clearance	from Bo	om to Lifte	d Piece or Sp	oreader:				
Ground	Bearing Pre	ssure:			Actual:	Allowab	le:		
Special	Instructions	or Restrie	ctions for C	rane, Rigging	g, Lift, etc.:				
NOTE:	Job titles a	re generic	and may n						
					ow sign the appr	opriate blocks.			
CONTRA	CTOR APP	ROVALS (	As Applica	ble):					
Manage	r:					(Heavy	& Critical Lifts)		
Hoisting	and Riggin	a Suporir	tondont:			(Mediur	n, Heavy & Critical Lifts)		
norsung		g Superin	itenuent.		1		n, neavy & Onticar Ents)		
Field Su	pport Techr	nical							
	ons Manage					(Mediur	n, Heavy & Critical Lifts)		
	J					(			
Field Op	erations Ge	neral							
Superint			(Heavy & Critical Lifts)						
Certified	Rigging En	gineer:				(Heavy	& Critical Lifts)		
Project/F	Functional M	lanager:				(Critical	Lifts)		