

TANK # 1 WORK PLAN

BOOM LIFT REMOVAL PLAN

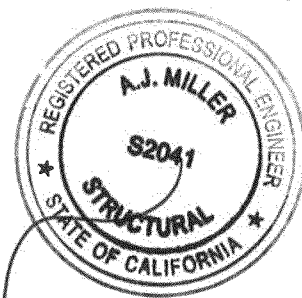
1. Connect griphoist as indicated in Photo #2
2. Boom lift to be lifted, moved and up righted with a 100 ton crane, (see attached rigging plan provided by Turner Crane)

ACCESS OPENING PLAN TANK #1

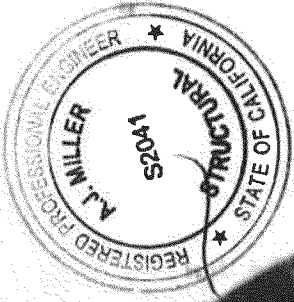
1. Remove the cantilevered portion of Section # 1 by torch cutting the piece into 2'- 3' wide strips starting at 1 and progressing to 4. (See attached photo #1)
2. Burner will be operating out of a telescopic boom lift from the outside of the tank.
3. Torched pieces will be removed to scrap stockpiled located southeast from tank #1

TANK SECTION #2 REMOVAL PLAN

1. Start torching along line 1 till you get to the top of plate #3 approximately 24' from the tank bottom. (Photo #6)
2. Then continue torching along line 2, till you get to the north side of the existing access opening.
 - Items 1 and 2 will be performed from a boom lift located on the outside of the tank
 - The excavator will be attached to the stiffener plate as indicated in photo #6 at all times to prevent any sudden movement from section #2 during the torching operations.
3. Once Section #2 has been removed, the remaining Tank #1 will be removed as shown on the Tank Demo Drawings.



Section # 1



#1

4

1

2

3

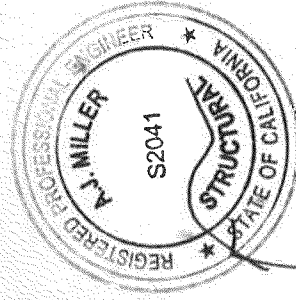
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#2

Connection points for griphoist cables

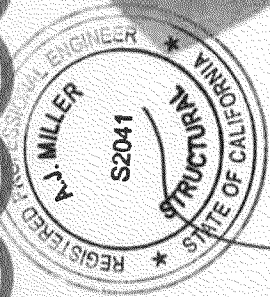
section #1

section #2



#3

griphoist cable connection point to failed section @ stiffener plate

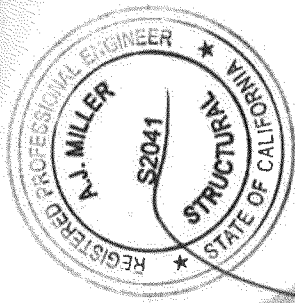


section #1

section #2

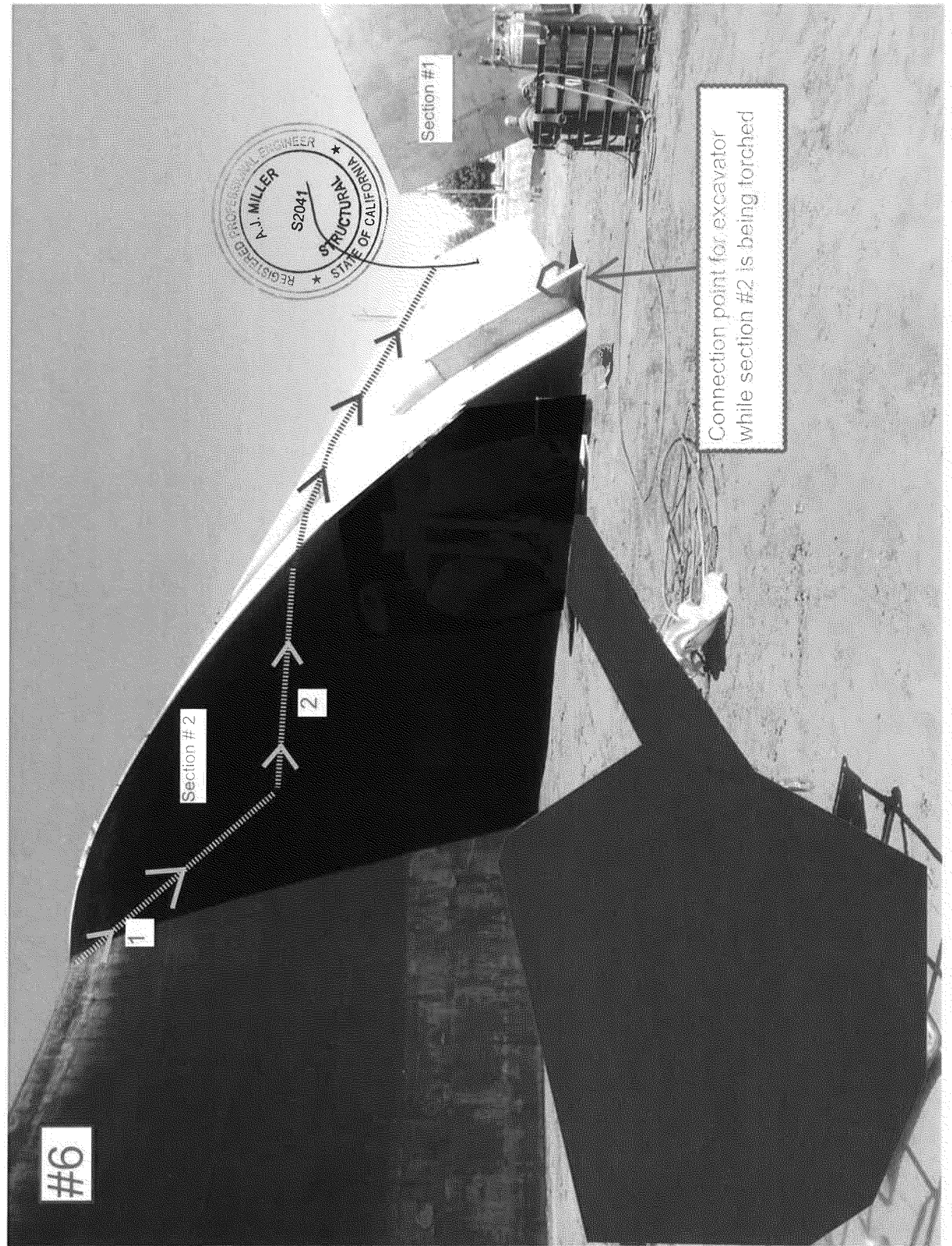
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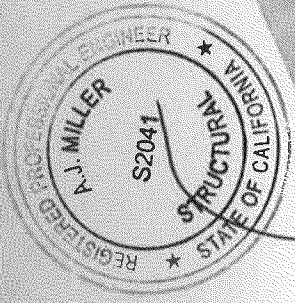


#5

20' +/-



Section #1



Connection point for excavator while section #2 is being torched

#6

Critical Lift Plan

TURNER TRANS LIFT, INC.

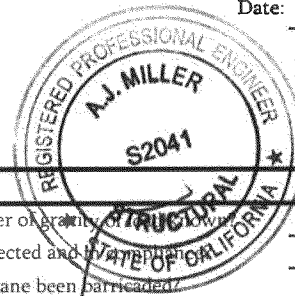
Job Location: PG&E Coffee Rd & Rosedale Hwy

Date: 7/2/2012

Customer: Cleveland Wrecking

PLAN 1

Prepared by: Redacted



Pre-Lift Assessment	YES	NO	N/A	Pre-Lift Assessment	YES	NO	N/A
Has site been prepared for crane(s) to make lift?				Is size, weight & center of gravity of load known?			
Are power lines present? If so, precautions taken?				Has rigging been inspected and approved?			
Have underground hazards been identified?				Has swing radius of crane been barricaded?			
Is proper matting available?				Is load path clear of obstructions?			
Is crane set to manufacturers specifications?				Is operator qualified?			
Has crane been inspected and in compliance?				Weather conditions within mfg's minimums?			

Load to be Lifted Man lift removal from tank

Weight of Load to be Lifted (Lbs) 26,000

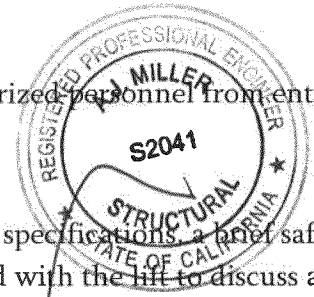
Lift Crane				Tail Crane			
Operator:	Redacted			Operator:	_____		
Make & Model	<u>Demag AC 435</u>			Make & Model	_____		
Counterweight:	<u>60,000 lbs</u>			Counterweight:	_____		
Crane on Outriggers, Tires or Crawlers:	<u>Outriggers</u>			Crane on Outriggers, Tires or Crawlers:	_____		
Hoisting From Boom, Manual Sec. or Jib	<u>Main Boom</u>			Hoisting From Boom, Manual Sec. or Jib	_____		
NET LOAD WT.	<u>26,000</u>	lbs		NET LOAD WT.	_____	lbs	
Boom Ext. weight	<u>N/A</u>	lbs		Boom Ext. weight	_____	lbs	
Jib weight	<u>N/A</u>	lbs		Jib weight	<u>N/A</u>	lbs	
Load Block weight	<u>2680</u>	lbs		Load Block weight	_____	lbs	
Auxiliary Ball weight	<u>550</u>	lbs		Auxiliary Ball weight	_____	lbs	
Rigging weight	<u>150</u>	lbs		Rigging weight	_____	lbs	
Misc. (Spreader Bar, etc)	<u>720</u>	lbs		Misc. (Spreader Bar, etc)	<u>N/A</u>	lbs	
GROSS LOAD WT.	<u>30,100</u>	lbs		GROSS LOAD WT.	<u>0</u>	lbs	
Max Load Radius	<u>59</u>	feet		Max Load Radius	_____	feet	
Boom Length	<u>115</u>	feet		Boom Length	_____	feet	
Min Parts of Line Req.	<u>4</u>	parts		Min Parts of Line Req.	_____	parts	
Rated Cap. at Max Radius:	<u>40,400</u>	lbs		Rated Cap. at Max Radius	_____	lbs	
Percent of Rated Cap.	<u>74.5049505</u>	%		Percent of Rated Cap.	<u>#DIV/0!</u>	%	

Critical Lift Plan

TURNER TRANS LIFT, INC.

Lift plan Procedure

1. The crane will set up along the East side of the tank on all four outriggers fully extended and on 1.25" thick by 8' square steel plates to help distribute ground bearing pressures produced from the weight of the crane and load.
2. Caution tape will be used to barricade the working area to prevent unauthorized personnel from entering the area.
3. Once the crane is set up in position and set according to the manufacturer's specifications, a brief safety meeting will be conducted between the crane crew and everyone else involved with the lift to discuss any and all hazards on the job site.
4. After all personnel on the job site have been made aware of the lift plan, the crane will then be hooked onto the man lift using the spreader bar and rigging stated below in the rigging plan (see rigging plan). Two 20' long steel slings will be attached to the lift eyes near the counterweight of the man lift with 12.5 ton or larger shackles and will just hang down during removal. These sling will be for when crane 2 hooks up to upright the unit and will allow the riggers to hook up crane 2 without having to get under the unit at that time.
5. Once the crane has been rigged up to the man lift and visually inspected for proper attachment, the crane will then lift the unit straight up and high enough to clear all obstacles.
6. A tag line will be attached to the boom end (basket will be removed) to control the rotation of the man lift while suspended in the air.
7. When the man lift has been lifted high enough to clear the tank wall, the operator will then swing the lift to the South 180 degrees to the East side of the crane and placed back onto the ground.
8. At that point the second crane will then be attached to prepare to upright the crane back on to all four wheels (see 2 crane pick critical lift plan attached).

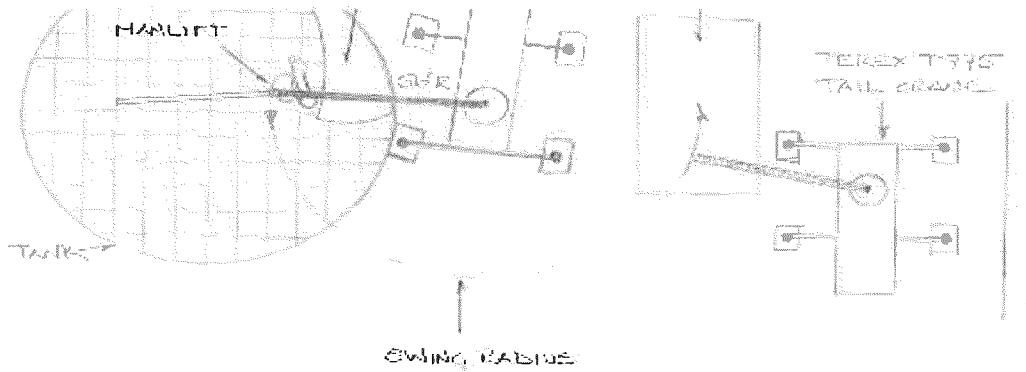


Additional Remarks

A pre-lift safety meeting will take place prior to beginning work. Site specific hazards will be identified. Tag lines will be used to control load while suspended.

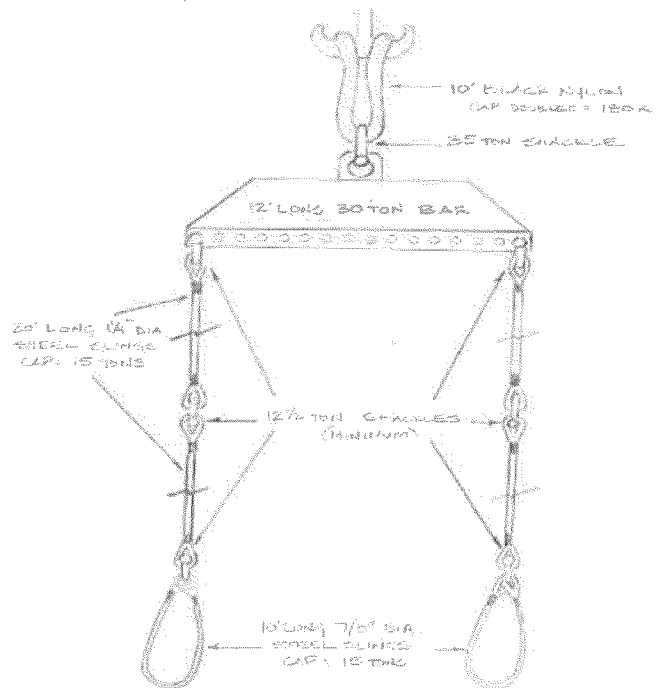
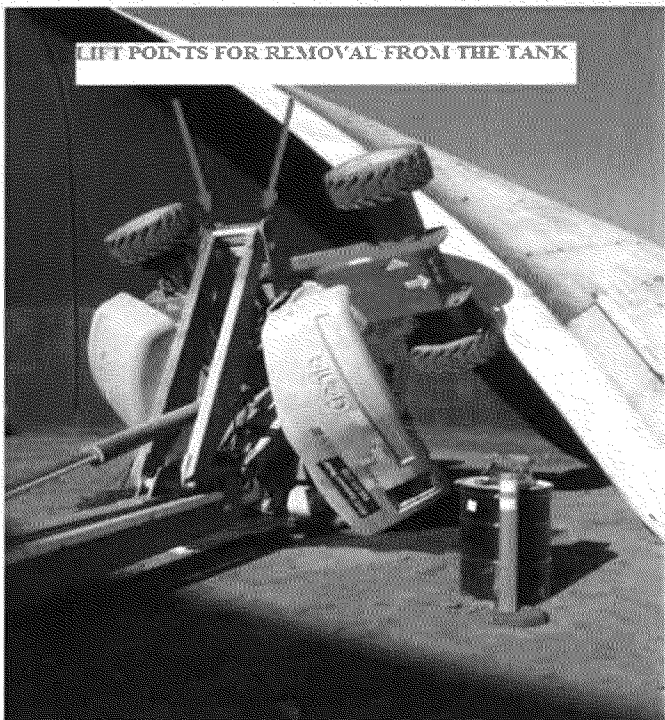
Sketch Diagram





Load and Rigging: (Description of rigging to be used and capacities)

From the hook - One 10' long black nylon sling (90,000 lb capacity) doubled through a 35 ton shackle shackled to the top center eye of a 12' long 30 ton capacity bar. From the bottom of the bar at each end - Two 12.5 ton (or larger) shackles will connect two 20' long by 1.25" diameter steel slings (15 ton capacity each) to total 40' in length at each leg. Each leg will shackle to a 10' long by 7/8" diameter steel sling (15 ton capacity doubled each) with a 12.5 ton (or larger) shackle.



Critical Lift Plan

TURNER TRANS LIFT, INC.

Job Location: PG&E Coffee Rd & Rosedale Hwy

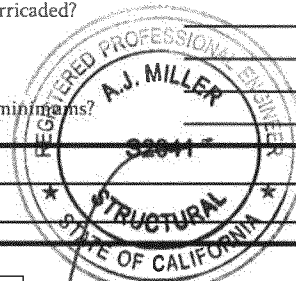
Date: 7/2/2012

Customer: Cleveland Wrecking

PLAN 2

Prepared by: Redacted

Pre-Lift Assessment	YES NO N/A	YES NO N/A
Has site been prepared for crane(s) to make lift?	<u> </u>	Is size, weight & center of gravity of load known? <u> </u>
Are power lines present? If so, precautions taken?	<u> </u>	Has rigging been inspected and in compliance? <u> </u>
Have underground hazards been identified?	<u> </u>	Has swing radius of crane been barricaded? <u> </u>
Is proper matting available?	<u> </u>	Is load path clear of obstructions? <u> </u>
Is crane set to manufacturers specifications?	<u> </u>	Is operator qualified? <u> </u>
Has crane been inspected and in compliance?	<u> </u>	Weather conditions within mfg's minimums? <u> </u>



Load to be Lifted Man lift (Trip back over)

Weight of Load to be Lifted (Lbs) 26,000

Lift Crane			Tail Crane		
Operator:	Redacted		Operator:	Redacted	
Make & Model	<u>Demag AC 435</u>		Make & Model	<u>Terex T775 75 Ton</u>	
Counterweight:	<u>60,000</u>		Counterweight:	<u>7,000</u>	
Crane on Outriggers, Tires or Crawlers:	<u>Outriggers</u>		Crane on Outriggers, Tires or Crawlers:	<u>Outriggers</u>	
Hoisting From Boom, Manual Sec. or Jib	<u>Main Boom</u>		Hoisting From Boom, Manual Sec. or Jib	<u>Main Boom</u>	
NET LOAD WT.	<u>13,000</u>	lbs	NET LOAD WT.	<u>13,000</u>	lbs
Boom Ext. weight	<u>N/A</u>	lbs	Boom Ext. weight	<u>N/A</u>	lbs
Jib weight	<u>N/A</u>	lbs	Jib weight	<u>N/A</u>	lbs
Load Block weight	<u>2680</u>	lbs	Load Block weight	<u>1608</u>	lbs
Auxiliary Ball weight	<u>550</u>	lbs	Auxiliary Ball weight	<u>419</u>	lbs
Rigging weight	<u>150</u>	lbs	Rigging weight	<u>150</u>	lbs
Misc. (Spreader Bar, etc)	<u>740</u>	lbs	Misc. (Spreader Bar, etc)	<u>740</u>	lbs
GROSS LOAD WT.	<u>17,120</u>	lbs	GROSS LOAD WT.	<u>15,917</u>	lbs
Max Load Radius	<u>26</u>	feet	Max Load Radius	<u>25</u>	feet
Boom Length	<u>115</u>	feet	Boom Length	<u>85</u>	feet
Min Parts of Line Req.	<u>4</u>	parts	Min Parts of Line Req.	<u>4</u>	parts
Rated Cap. at Max Radius	<u>82,500</u>	lbs	Rated Cap. at Max Radius	<u>55,700</u>	lbs
Percent of Rated Cap.	<u>20.75151515</u>	%	Percent of Rated Cap.	<u>28.57630162</u>	%

Critical Lift Plan

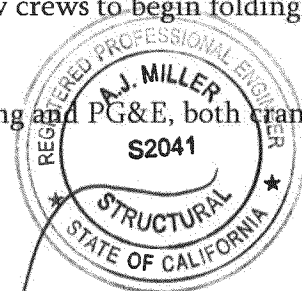
TURNER TRANS LIFT, INC.

Lift plan Procedure

1. The Demag AC 435 crane (crane 1) will be already set up on outriggers fully extended as described in the

previous lift plan to remove the man lift from the tank.

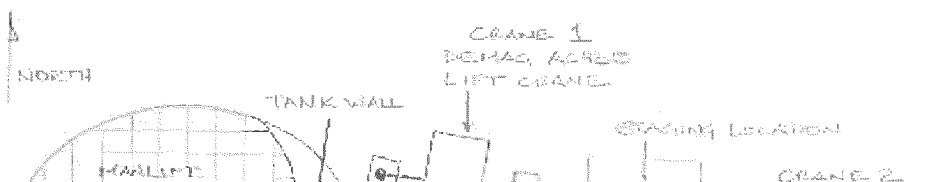
2. The Terex t775 crane (crane 2) will set up on the East side of the man lift placed in the staging location East of the Demag crane (see diagram below) on all four outriggers fully extended and on proper cribbing.
3. Crane 1 will stay hooked up to the man lift using the same rigging described in the previous lift plan.
4. Once crane 1 has touched the man lift down in the staging location, crane 2 will then swing over and be hooked up to the lift eyes near the man lift counterweight (see picture below) using the 20' long steel slings already attached, to prepare for tripping the lift upright. Cribbing may be necessary under the man lift counterweight to keep the lift eyes for crane 2 accessible for hook up if support from crane 1 is unsafe. See rigging diagram for crane 2 below.
5. Once both cranes are rigged up to the man lift, a brief pre lift safety meeting will be held to discuss the lift procedure.
6. After all personnel have been briefed and clear of the lift area, crane 1 will then lift the unit just off the ground enough to clear from any ground hang ups.
7. Crane 2 will then begin to lift straight up on the man lift to start the rotation to its upright position. The extended boom of the man lift, with the basket removed, will pass under the spreader bar and between the rigging until it reaches it's upright position.
8. Once the man lift has been rotated to it's upright position, both crane will then lower the man lift to the ground on all four wheels.
9. Once the man lift is safely on the ground and approved by site supervisors to be OK, both cranes will then be disconnected from the man lift and swung clear of the unit to allow crews to begin folding the man lift down to be prepared for truck load out.
10. When all crane work is completed and approved by Cleveland Wrecking and PG&E, both crane will then begin to unrig and return travel.

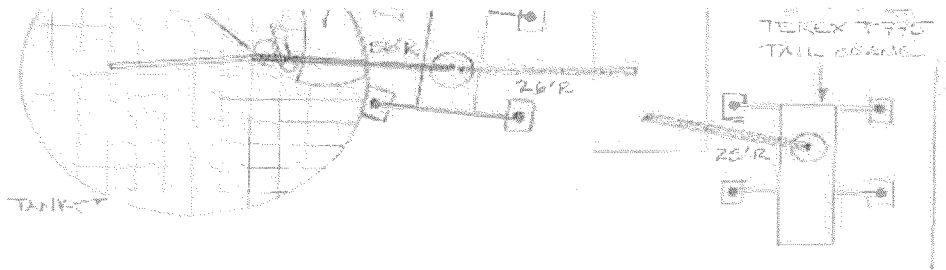


Additional Remarks

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Sketch Diagram





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