

FORM 16-3

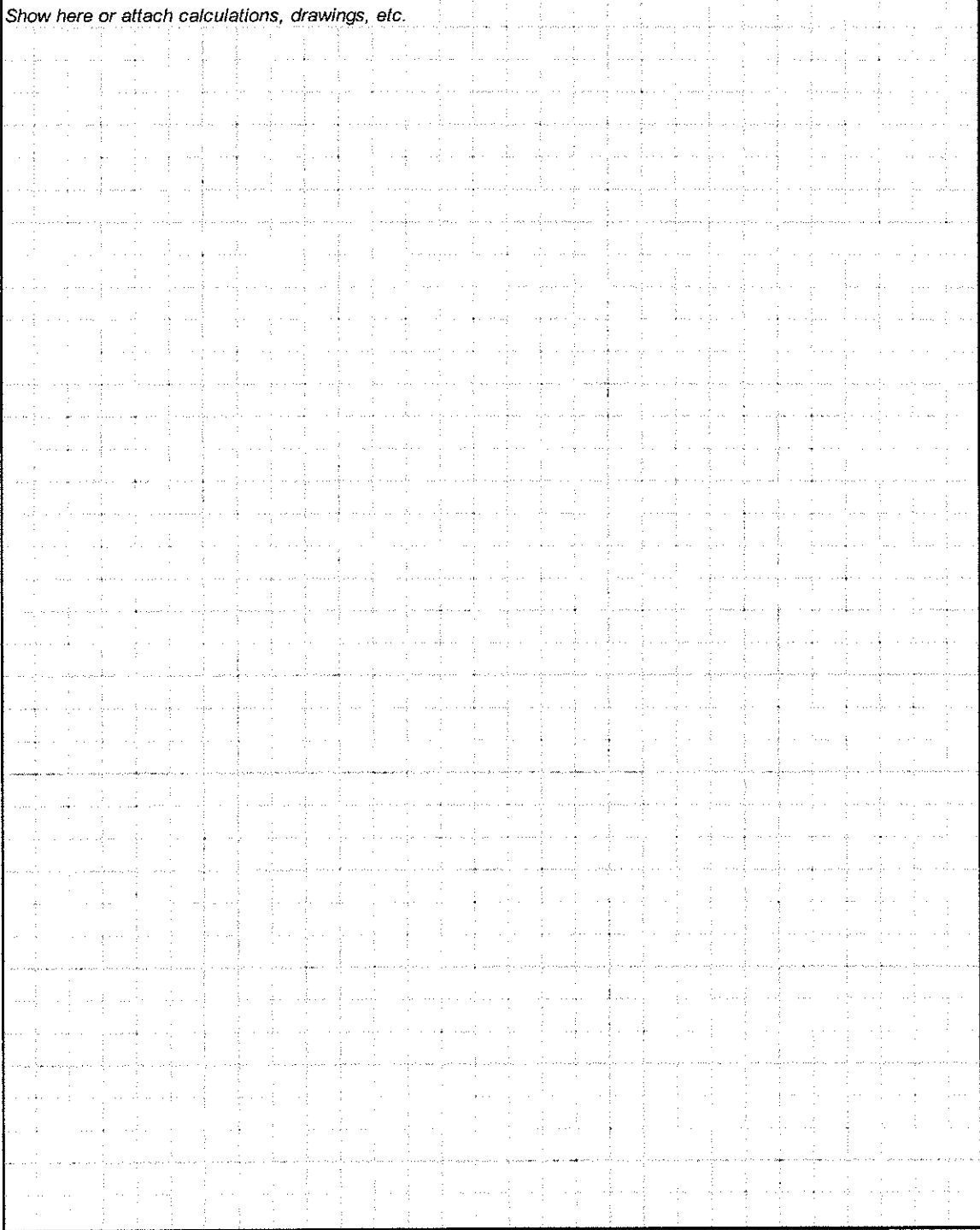
Critical Lift Plan

U.S. Army Corps of Engineers CRITICAL LIFT PLAN For use of this form, see EM 385-1-1, Section 16. Proponent agency is Crane HI-WG.					
Date: _____		Prepared By: _____			
Location: _____		USACE District: _____			
<p><i>A "critical lift" can be defined as any non-routine crane lift requiring detailed planning and additional or unusual safety precautions. Critical lifts include lifts made where the load weight is greater than 75% of the rated capacity of the crane; lifts which require the load to be lifted, swung or placed out of the operator's view (except Change 6 exemption) ; lifts made with more than one crane; lifts involving non-routine or technically difficult rigging arrangement; hoisting personnel with a</i></p>					
A. TOTAL LOAD		E. CRANE PLACEMENT (Mobile Cranes Only)			
1. Load Weight	_____ lbs	1. Maximum Bearing Pressure _____ PSF	<i>Note: Bearing Pressure Calculations must be attached on Page 3</i>		
2. Wt. of Aux. Block	_____ lbs	2. Ground Conditions Suitable for Load? _____ YES / NO	<i>Note: Ground Condition Calculations must be attached on Page 3</i>		
3. Wt. of Main Block	_____ lbs	3. High Voltage or Electrical Hazards? _____ YES / NO	<i>Note: If Electrical Hazards are present they must be shown on Page 4</i>		
4. Wt. of Lifting Beam	_____ lbs	4. Obstructions to Lift or Swing? _____ YES / NO	<i>Note: If Obstructions are present they must be shown on Page 4.</i>		
5. Wt. of Sling/Shackles	_____ lbs	5. Travel with Load Required? _____ YES / NO			
6. Wt. of Jib/Ext. (erected/stowed)	_____ lbs	6. Other? _____			
7. Wt. of Hoist Rope	_____ lbs				
8. Other:	_____ lbs				
TOTAL WEIGHT					
<i>Note. Source of load weight (Drawings, Cates, etc) must be attached on Page 2.</i>					
B. CRANE		F. OPERATOR QUALIFICATIONS			
1. Type of Crane	<u>Mobile Hydraulic Truck</u>				
2. Maximum Crane Capacity	_____ lbs.	1. Certified Operator?	_____ YES / NO		
3. Radius (Maximum)	_____ ft.	2. Option?	_____		
4. Radius (Minimum)	_____ ft.	3. Certified for Type, Class & Capacity?	_____ YES / NO		
5. Boom Length (Maximum)	_____ ft.	4. Designated in writing by emp	_____		
6. Boom Length (Minimum)	_____ ft.	G. PRE-LIFT CHECKLIST			
7. Crane Capacity (Max Radius)	_____ lbs.	1. Crane Inspected	(YES)	N/A	(NO)
8. Crane Capacity (Min Radius)	_____ lbs.	2. Rigging Inspected			
9. Boom Angle (Maximum)	_____ deg.	3. Crane Set-up			
10. Boom Angle (Minimum)	_____ deg.	4. Overhead Hazard Check			
11. Gross Load of Crane	_____ lbs.	5. Swing Check			
12. Lift is _____ % of the Crane's rated capacity		6. Counterweight Check			
13. If Jib/Ext. is to be used:		7. Operator Qualifications			
Length _____ ft.		8. Signal Person Qualifications			
Offset _____ ft.		9. Rigger Qualifications			
14. Rated Capacity of Jib/Ext.	_____ lbs	10. Load Chart in Crane			
C. HOIST ROPE		11. Load Test			
1. # of Parts	<u>Main</u>	12. Tag Lines			
2. Rope Diamter	<u>Aux 1</u>	13. Wind Conditions			
3. Capacity	<u>Aux 2</u>	14. Traffic Hazard Check			
D. RIGGING		15. Site Control			
1. Hitch Type(s)	_____	16. Signatures			
2. No. of Slings:	_____ Size: _____	H. SIGNATURES			
3. Sling Type:	_____	1. Crane Operator	_____		
4. Sling Assembly Capacity:	_____ lbs.	2. Rigger	_____		
5. Shackle Size(s):	_____	3. Signal Person	_____		
6. Shackle Rated Capacity(s)	_____ lbs.	4. Lift Supervisor	_____		
		5. Other	_____		
		6. Other	_____		

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LOAD CALCULATIONS

Show here or attach calculations, drawings, etc.



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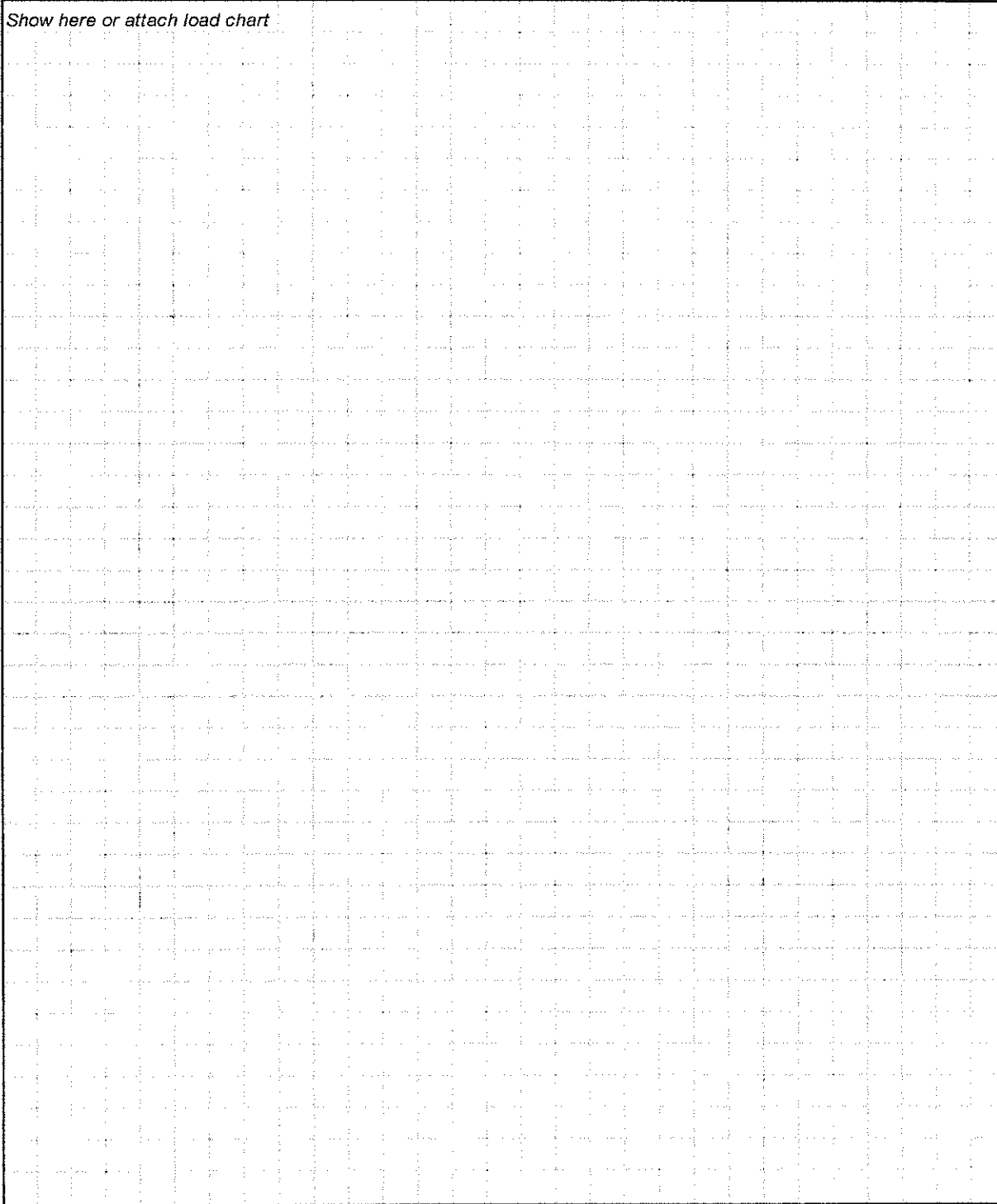
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BEARING PRESSURES & GROUND CONDITIONS

Show here or attach calculations, drawings, etc.

A large grid area for calculations and drawings, consisting of a 20x20 grid of squares. The grid is intended for showing calculations, drawings, or other relevant information related to bearing pressures and ground conditions.

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30 Nov 14

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LOAD CHART	
<i>Show here or attach load chart</i>	
	

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OPERATOR, RIGGER, SINGAL PERSON QUALIFICATIONS

Show here or attach operator qualifications

A large grid area for writing operator qualifications. The grid consists of small squares, typical of graph paper, and is intended for the user to provide details on operator, rigger, and signal person qualifications.

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SITE PLAN

Show here or attach site plan and sequencing

A large grid area for drawing the site plan and sequencing. The grid consists of a series of small squares, typical of graph paper used for technical drawings.