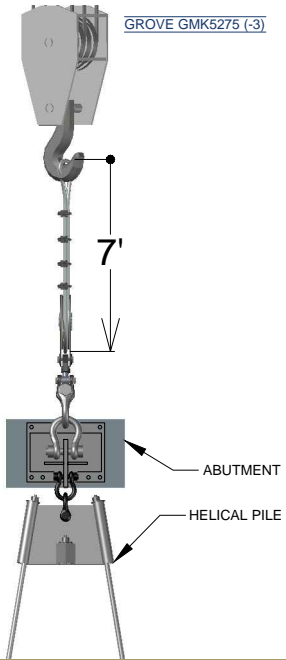


INITIAL BLOCK HEIGHT

THIS HEIGHT IS FROM BOTTOM OF SHEAVE ON SNATCH BLOCK TO TOP EDGE OF HOOK



CRANE #1 CONFIGURATION	
CRANE MODEL:	GROVE GMK5275
TELESCOPIC BOOM LENGTH:	73.4ft
CRANE COUNTERWEIGHT:	46,200 lbs
DEGREE RATING:	360°
CRANE #1 LOAD CALCULATIONS	
LOAD DESCR:	SLIDING BRIDGE SECTION
LOAD DIMENSIONS:	57' x 44' x 8'
LOAD PULL RADIUS:	35ft
BOOM ANGLE @ RADIUS:	57.2°
TIP HEIGHT @ RADIUS:	68.25ft
LOAD WEIGHT:	60,000 lbs
DEDUCTIONS:	
LOAD LINE: 6 PART	511 lbs
MAIN BLOCK:	3,695 lbs
SHACKLES:	172 lbs
WIRE ROPE:	520 lbs
SNATCH BLOCK:	324 lbs
TOTAL LOAD:	65,222 lbs
CAPACITY @ RADIUS:	87,000 lbs
PERCENT CAPACITY: 74.9 %	

CRANE #2 CONFIGURATION

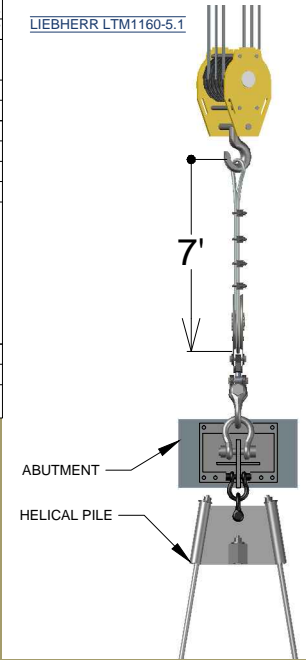
CRANE MODEL:	LIEBHERR LTM1160-5.1
TELESCOPIC BOOM LENGTH:	72ft
CRANE COUNTERWEIGHT:	55,300 lbs
DEGREE RATING:	360°

CRANE #2 LOAD CALCULATIONS

LOAD DESCR:	SLIDING BRIDGE SECTION
LOAD DIMENSIONS:	57' x 44' x 8'
LOAD PULL RADIUS:	32ft
BOOM ANGLE @ RADIUS:	64.7°
TIP HEIGHT @ RADIUS:	74.25ft
LOAD WEIGHT:	60,000 lbs
DEDUCTIONS:	
LOAD LINE: 6 PART	537 lbs
MAIN BLOCK:	1,543 lbs
SHACKLES:	172 lbs
WIRE ROPE:	520 lbs
SNATCH BLOCK:	324 lbs
TOTAL LOAD:	63,096 lbs
CAPACITY @ RADIUS:	85,500 lbs
PERCENT CAPACITY: 73.7 %	

INITIAL BLOCK HEIGHT

THIS HEIGHT IS FROM BOTTOM OF SHEAVE ON SNATCH BLOCK TO TOP EDGE OF HOOK



NEW BRIDGE

CRANE MATS
6' x 6' x 8" TIMBER

GROVE GMK5275

R35'

CRANE MATS
6' x 6' x 8" TIMBER

LIEBHERR LTM1160-5.1

R32'

OVERALL PLAN VIEW

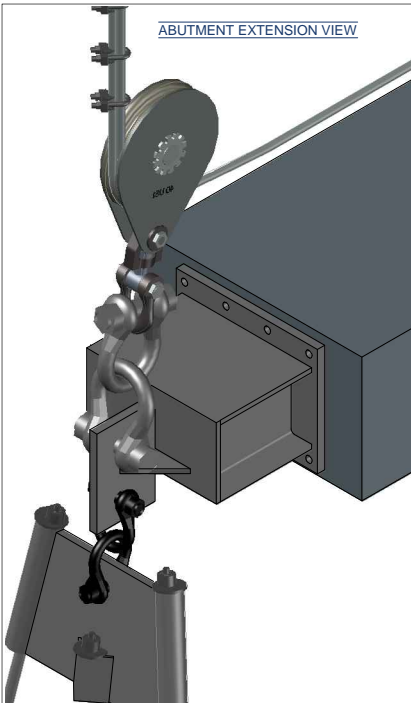


PRELIMINARY

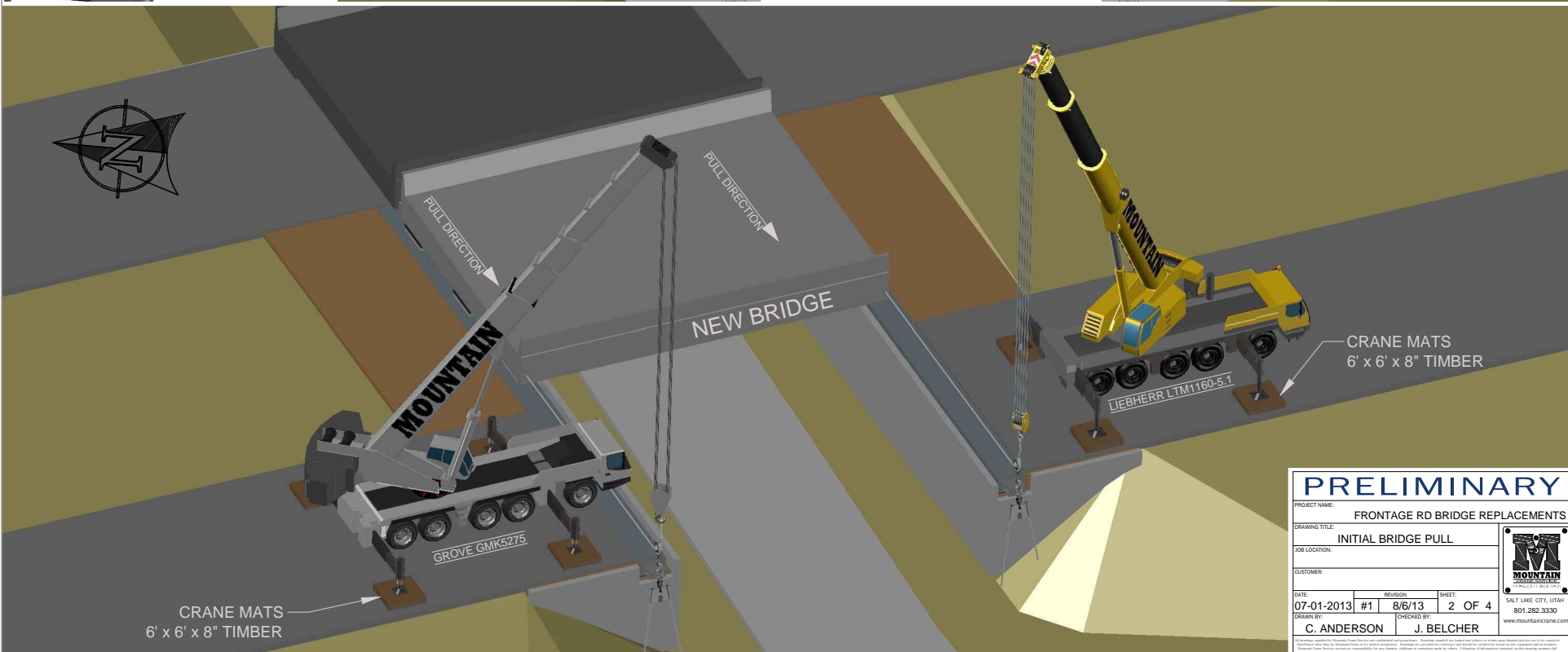
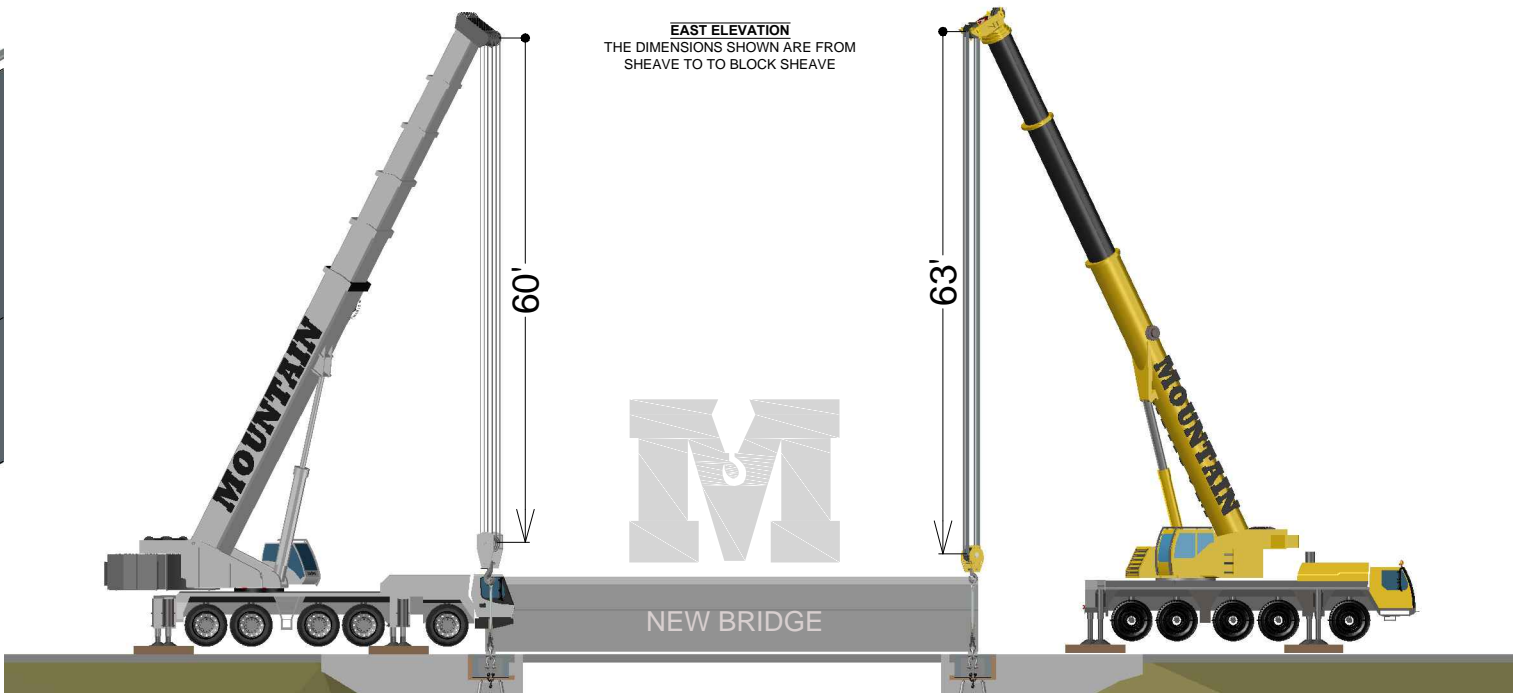
PROJECT NAME:	FRONTAGE RD BRIDGE REPLACEMENTS		
DRAWING TITLE:	BRIDGE SLIDE		
JOB LOCATION:	SALT LAKE CITY, UTAH		
CUSTOMER:	MOUNTAIN CRANE		
DATE:	07-01-2013	REVISION: #1	SHEET: 1 OF 4
DRAWN BY:	C. ANDERSON	DESIGNED BY:	J. BELCHER
8/6/13		801.282.3330	
www.mountaincrane.com			

THE PROFESSIONAL CRANE OPERATORS OF MOUNTAIN CRANE HAVE THE KNOWLEDGE, EXPERIENCE, AND AUTHORITY TO MAKE ANY NECESSARY CHANGES TO THE LIFT PLAN TO COMPLETE THE LIFT SAFELY AND SUCCESSFULLY. NOT TO SCALE

ABUTMENT EXTENSION VIEW



EAST ELEVATION
THE DIMENSIONS SHOWN ARE FROM SHEAVE TO TO BLOCK SHEAVE



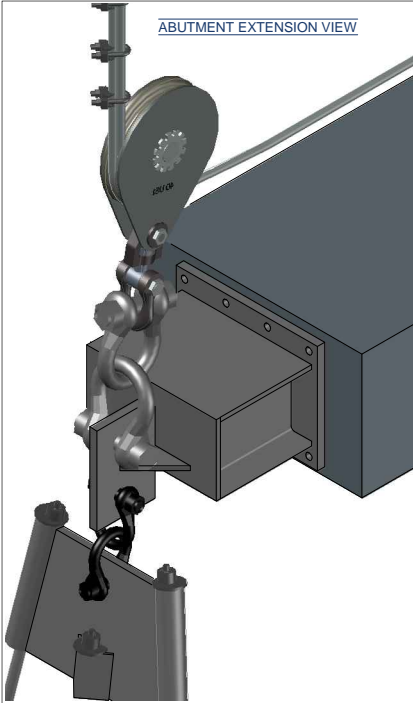
PRELIMINARY

PROJECT NAME: FRONTAGE RD BRIDGE REPLACEMENTS			
DRAWING TITLE: INITIAL BRIDGE PULL			
JOB LOCATION:			
CUSTOMER:			
DATE: 07-01-2013	REVISION: #1	8/6/13	SHEET: 2 OF 4
DRAWN BY: C. ANDERSON		CHECKED BY: J. BELCHER	
SALT LAKE CITY, UTAH		801.282.3330	
www.mountaincrane.com		www.mountaincrane.com	

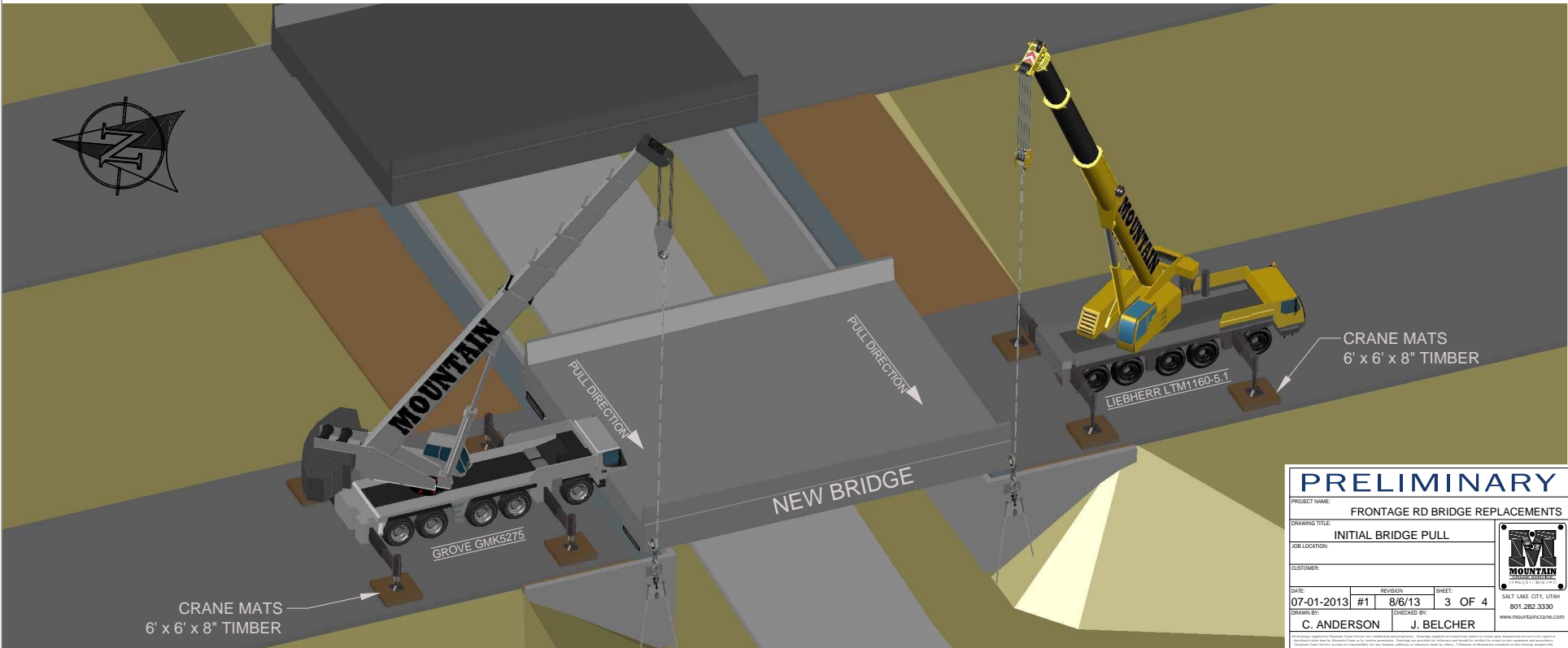
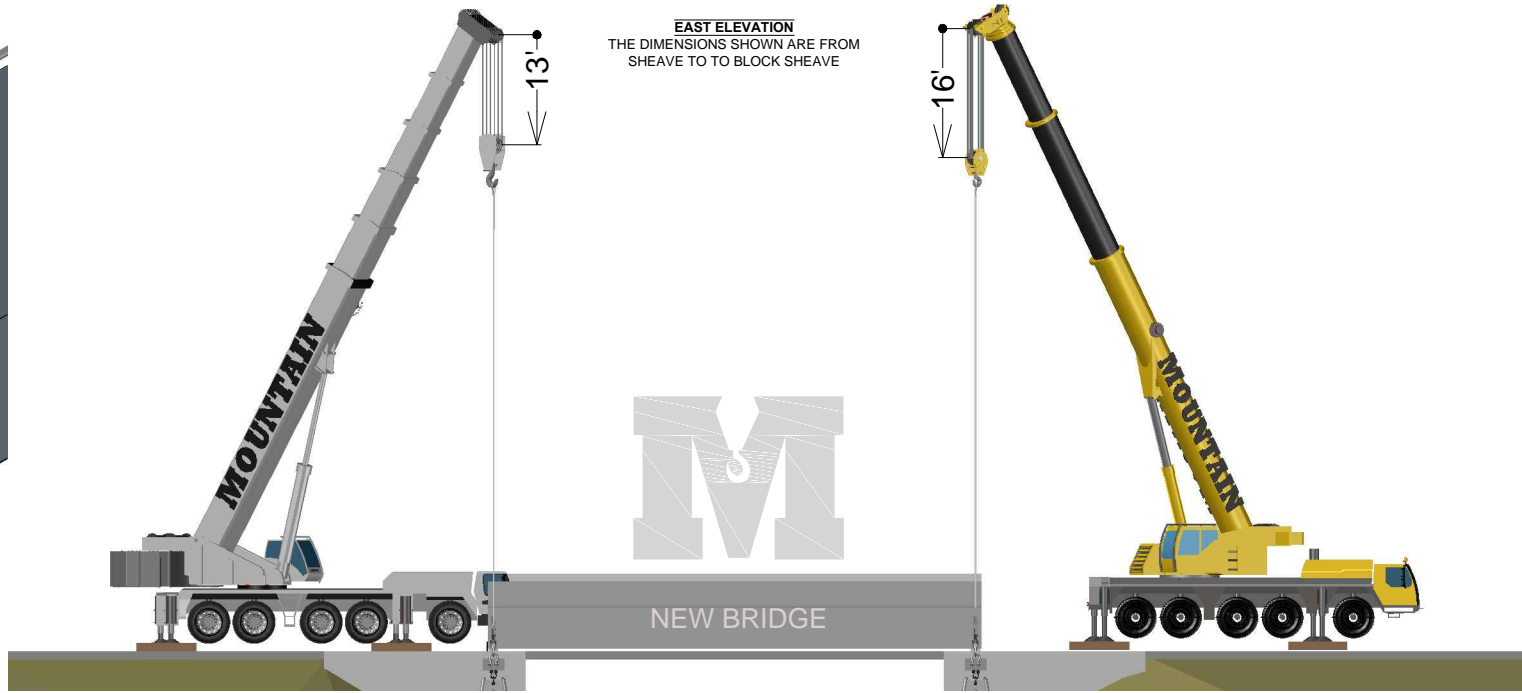
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NOT TO SCALE

ABUTMENT EXTENSION VIEW



EAST ELEVATION
THE DIMENSIONS SHOWN ARE FROM SHEAVE TO TO BLOCK SHEAVE



PRELIMINARY			
PROJECT NAME: FRONTAGE RD BRIDGE REPLACEMENTS			
DRAWING TITLE: INITIAL BRIDGE PULL			
JOB LOCATION:			
CUSTOMER:			
DATE: 07-01-2013	REVISION: #1	8/6/13	SHEET: 3 OF 4
DRAWN BY: C. ANDERSON		CHECKED BY: J. BELCHER	
SALT LAKE CITY, UTAH		801.282.3330	
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NOT TO SCALE

GROVE GMK5275 RIGGING DIAGRAM

LIEBHERR LTM116-5.1 RIGGING DIAGRAM

LOAD LINE
CAP: 63 tons.
WEIGHT: 511 lbs.
PARTS: 6

LOAD LINE
CAP: 58.2 tons.
WEIGHT: 538 lbs.
PARTS: 6

SINGLE HOOK BLOCK
CAP: 125 tons.
WEIGHT: 3,695 lbs.
QTY: 1

SINGLE HOOK BLOCK
CAP: 100 tons.
WEIGHT: 1,543 lbs.
QTY: 1



1 1/2" 115' WIRE ROPE
CAP: 57 tons/ea.
WEIGHT: 520 lbs/ea.
QTY: 125 ft/ea.

40 TON SNATCH BLOCK
CAP: 40 tons/ea.
WEIGHT: 324 lbs/ea.
QTY: 1 ea.

55 TON SCREW PIN SHACKLE
CAP: 55 tons/ea.
WEIGHT: 85.75 lbs/ea.
QTY: 1 ea.

55 TON SCREW PIN SHACKLE
CAP: 55 tons/ea.
WEIGHT: 85.75 lbs/ea.
QTY: 1 ea.

FOOTING EXTENSION

FOOTING EXTENSION

HELICAL PILES

HELICAL PILES

PRELIMINARY

PROJECT NAME: FRONTAGE RD BRIDGE REPLACEMENTS			
DRAWING TITLE: RIGGING DIAGRAMS			
JOB LOCATION:			
CUSTOMER:			
DATE: 07-01-2013	REVISION: #1	8/6/13	SHEET: 4 OF 4
DRAWN BY: C. ANDERSON		CHECKED BY: J. BELCHER	
SALT LAKE CITY, UTAH 801.282.3330 www.mountaincrane.com			

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