



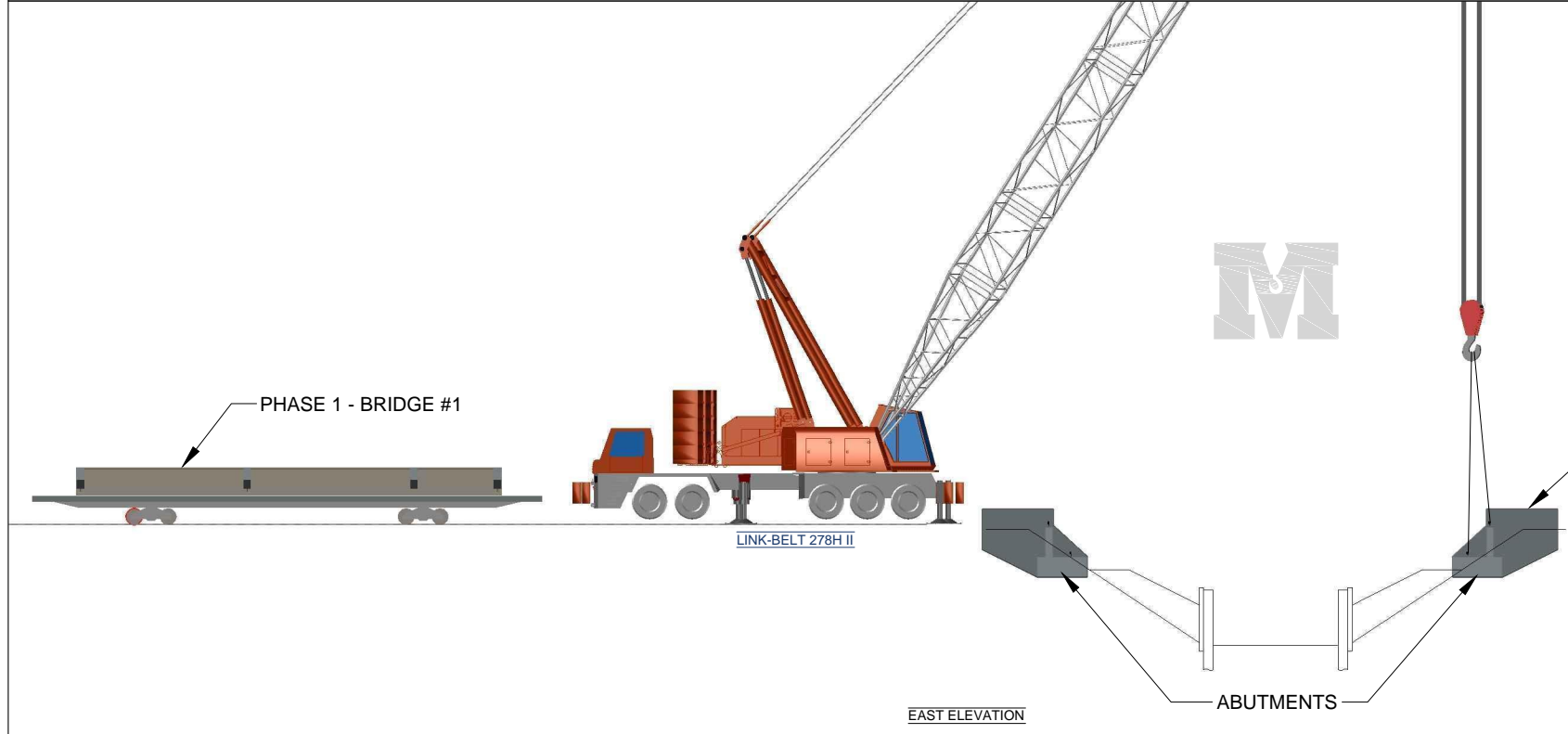
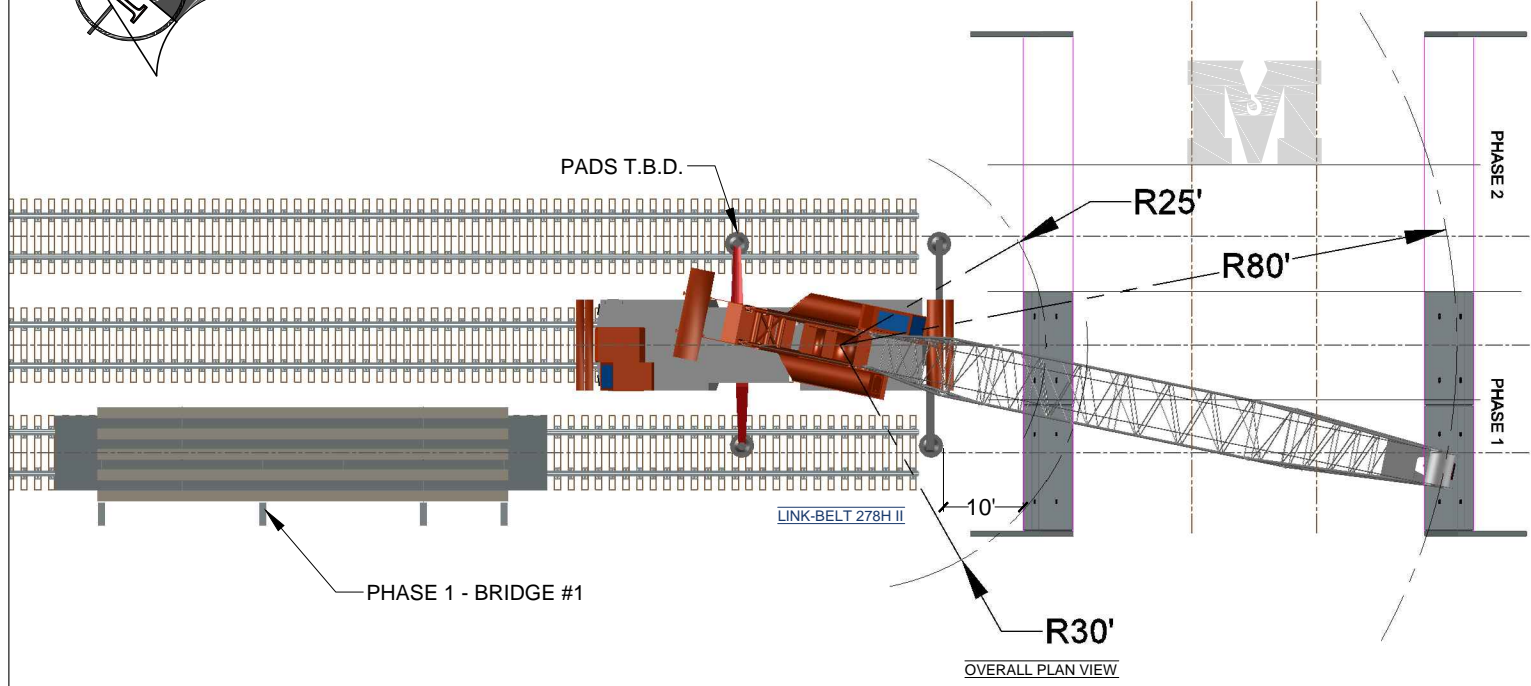
CRANE #1 CONFIGURATION

CRANE MODEL:	LINK-BELT 278H II
MAIN BOOM LENGTH:	130 ft
CRANE COUNTERWEIGHT:	108,000 lbs
CARBODY COUNTERWT:	11,400 lbs
DEGREE RATING:	360°

CRANE #1 LOAD CALCULATIONS

LOAD DESCR:	ABUTMENT <HEAVIEST>	
LOAD DIMENSIONS:	15'-3" x 6' x 6'	
LOAD SET RADIUS:	80 ft	
BOOM ANGLE @ RADIUS:	57.2°	
TIP HEIGHT @ RADIUS:	118 ft	
LOAD WEIGHT:	43,685 lbs	
DEDUCTIONS:		
LOAD LINE:	4 Part	200 lbs
MAIN BLOCK:		2,000 lbs
SHACKLES:		50 lbs
SLINGS:		200 lbs

TOTAL LOAD:	46,135 lbs
CAPACITY @ RADIUS:	71,500 lbs
PERCENT CAPACITY: 64.5 %	



PRELIMINARY

PROJECT NAME: RAILROAD BRIDGE

DRAWING TITLE: PHASE #1 ABUTMENTS

JOB LOCATION:

CUSTOMER:


DATE: 4-10-2013

REVISION	SHEET
-	1 OF 6

SALT LAKE CITY, UTAH
801.282.3330
www.mountaincrane.com

DRAWN BY: C. ANDERSON

CHECKED BY: J. BELCHER

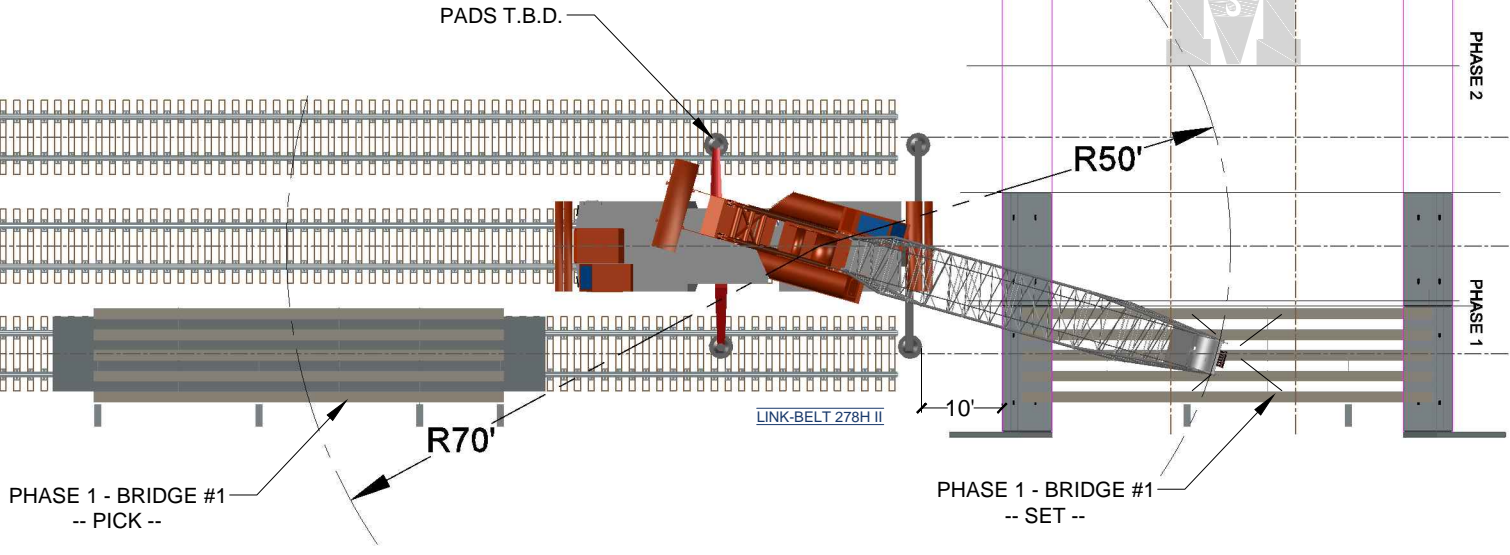


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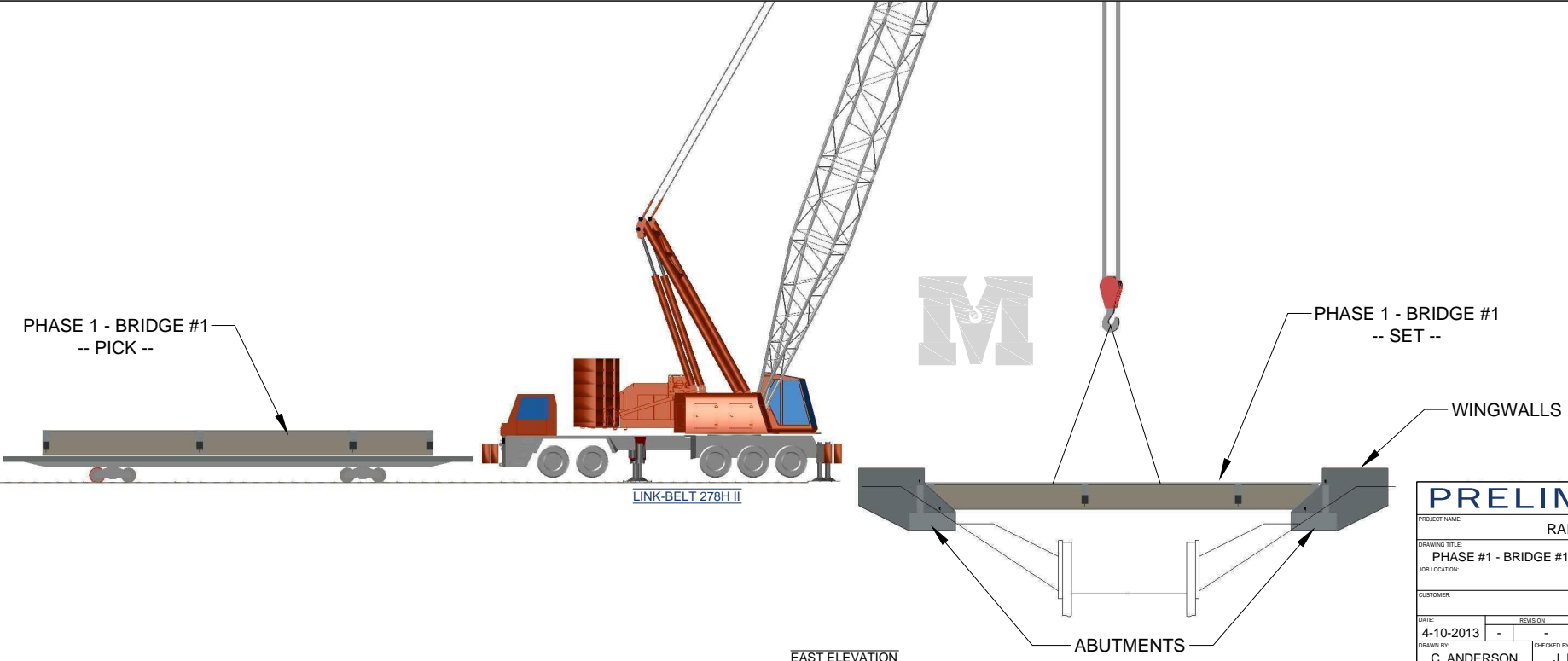
NOT TO SCALE



CRANE #1 CONFIGURATION		
CRANE MODEL:	LINK-BELT 278H II	
MAIN BOOM LENGTH:	130 ft	
CRANE COUNTERWEIGHT:	108,000 lbs	
CARBODY COUNTERWT:	11,400 lbs	
DEGREE RATING:	360°	
CRANE #1 LOAD CALCULATIONS		
LOAD DESCR:	BRIDGE #1 PHASE #1 <70'R>	
LOAD DIMENSIONS:	50' x 15'-3" x 4'	
LOAD PICK RADIUS:	70 ft	
BOOM ANGLE @ RADIUS:	60°	
TIP HEIGHT @ RADIUS:	120 ft	
LOAD WEIGHT:	99,850 lbs	
DEDUCTIONS:		
LOAD LINE:	4 Part	200 lbs
MAIN BLOCK:		2,000 lbs
SHACKLES:		50 lbs
SLINGS:		200 lbs
TOTAL LOAD:	102,300 lbs	
CAPACITY @ RADIUS:	121,000 lbs	
PERCENT CAPACITY: 84.5 %		



OVERALL PLAN VIEW



EAST ELEVATION

PRELIMINARY

PROJECT NAME: RAILROAD BRIDGE

DRAWING TITLE: PHASE #1 - BRIDGE #1 PICK/SET

JOB LOCATION:

CUSTOMER:

DATE: 4-10-2013

REVISION: -

SHEET: 2 OF 6

DRAWN BY: C. ANDERSON

CHECKED BY: J. BELCHER

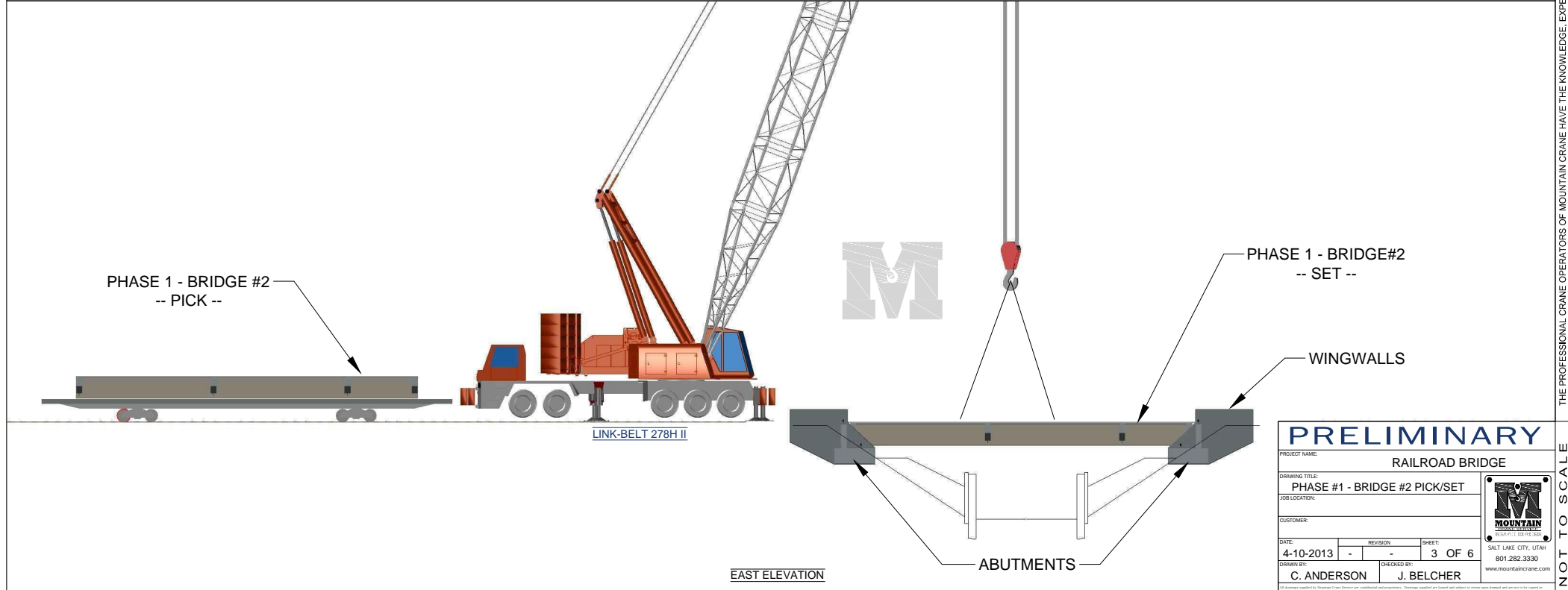
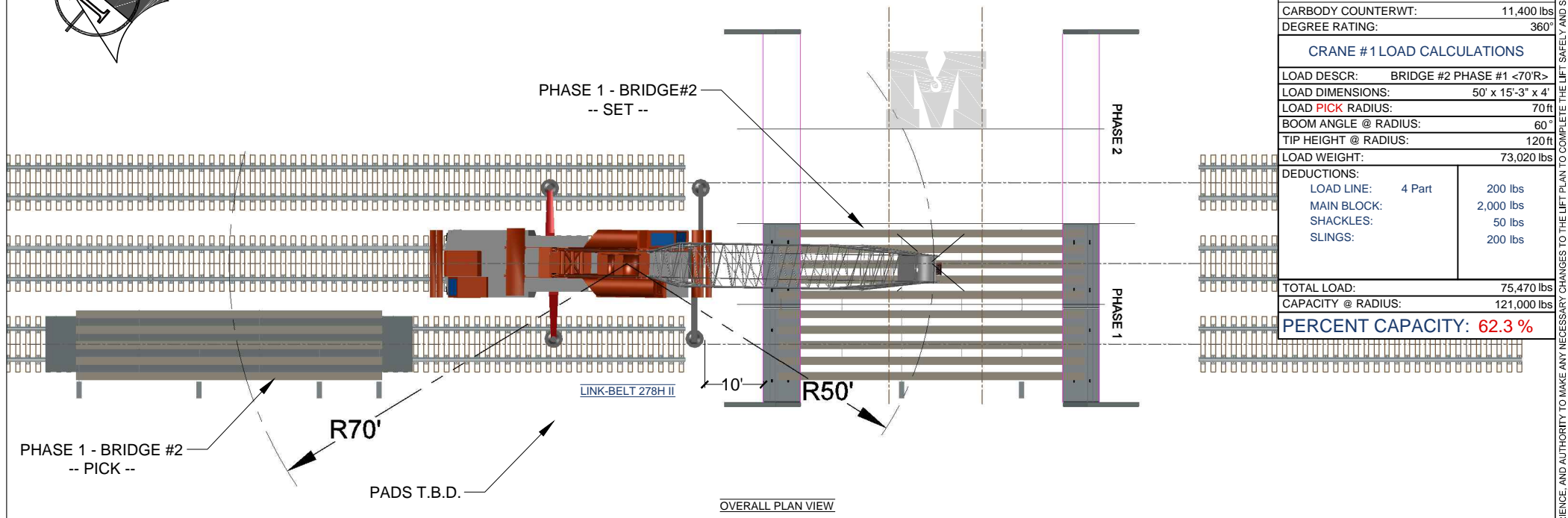
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NOT TO SCALE



CRANE #1 CONFIGURATION	
CRANE MODEL:	LINK-BELT 278H II
MAIN BOOM LENGTH:	130 ft
CRANE COUNTERWEIGHT:	108,000 lbs
CARBODY COUNTERWT:	11,400 lbs
DEGREE RATING:	360°
CRANE #1 LOAD CALCULATIONS	
LOAD DESCR:	BRIDGE #2 PHASE #1 <70'R>
LOAD DIMENSIONS:	50' x 15'-3" x 4'
LOAD PICK RADIUS:	70 ft
BOOM ANGLE @ RADIUS:	60°
TIP HEIGHT @ RADIUS:	120 ft
LOAD WEIGHT:	73,020 lbs
DEDUCTIONS:	
LOAD LINE:	4 Part 200 lbs
MAIN BLOCK:	2,000 lbs
SHACKLES:	50 lbs
SLINGS:	200 lbs
TOTAL LOAD:	75,470 lbs
CAPACITY @ RADIUS:	121,000 lbs
PERCENT CAPACITY: 62.3 %	



PRELIMINARY

PROJECT NAME: RAILROAD BRIDGE

DRAWING TITLE: PHASE #1 - BRIDGE #2 PICK/SET

JOB LOCATION:

CUSTOMER:

DATE: 4-10-2013

REVISION: -

SHEET: 3 OF 6

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MOUNTAIN
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NOT TO SCALE



PADS T.B.D.

LINK-BELT 278H II

R30'

10'

R80'

PHASE 2

PHASE 1

PHASE #2 - BRIDGE #1

OVERALL PLAN VIEW

CRANE #1 CONFIGURATION		
CRANE MODEL:	LINK-BELT 278H II	
MAIN BOOM LENGTH:	130 ft	
CRANE COUNTERWEIGHT:	108,000 lbs	
CARBODY COUNTERWT:	11,400 lbs	
DEGREE RATING:	360°	
CRANE #1 LOAD CALCULATIONS		
LOAD DESCR:	ABUTMENT <HEAVIEST>	
LOAD DIMENSIONS:	15'-5" x 6' x 6'	
LOAD SET RADIUS:	80 ft	
BOOM ANGLE @ RADIUS:	57.2°	
TIP HEIGHT @ RADIUS:	118 ft	
LOAD WEIGHT:	44,185 lbs	
DEDUCTIONS:		
LOAD LINE:	4 Part	200 lbs
MAIN BLOCK:		2,000 lbs
SHACKLES:		50 lbs
SLINGS:		200 lbs
TOTAL LOAD:	46,635 lbs	
CAPACITY @ RADIUS:	71,500 lbs	
PERCENT CAPACITY: 65.2 %		

PHASE #2 - BRIDGE #1

LINK-BELT 278H II

WINGWALLS

EAST ELEVATION

ABUTMENTS

PRELIMINARY

PROJECT NAME: RAILROAD BRIDGE

DRAWING TITLE: PHASE #2 ABUTMENTS

JOB LOCATION:

CUSTOMER:

DATE: 4-10-2013

REVISION: -

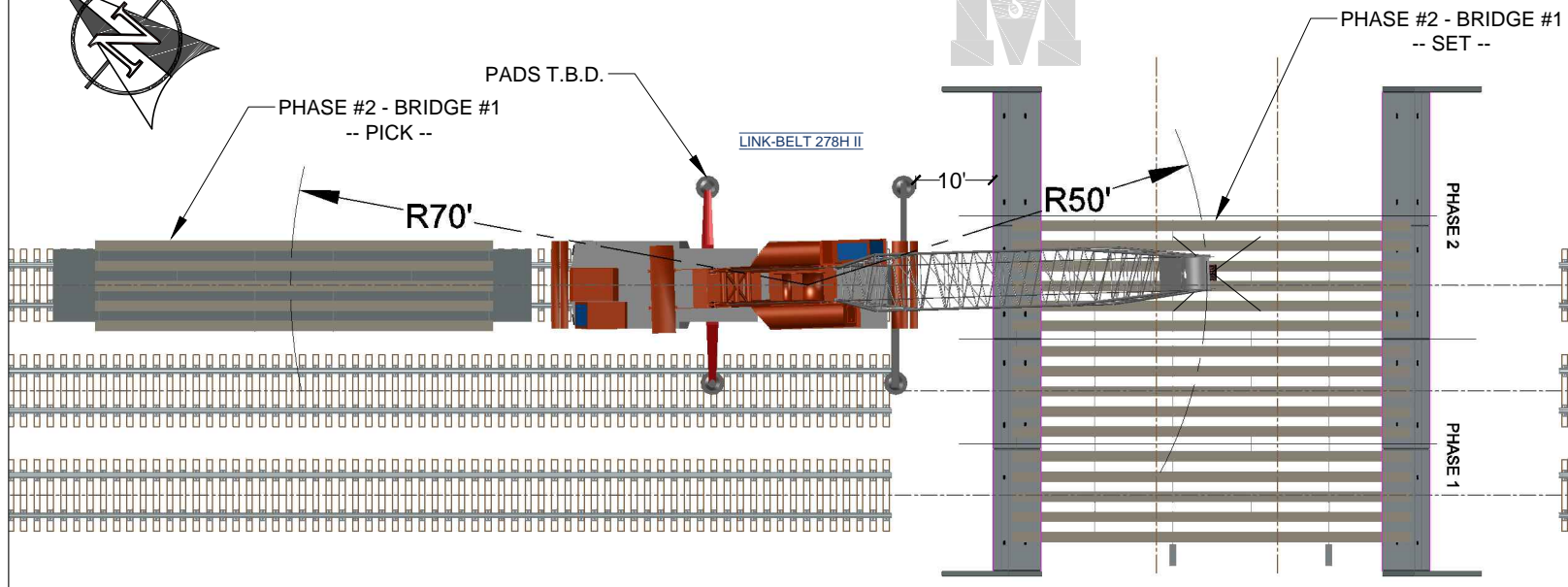
SHEET: 4 OF 6

DRAWN BY: C. ANDERSON

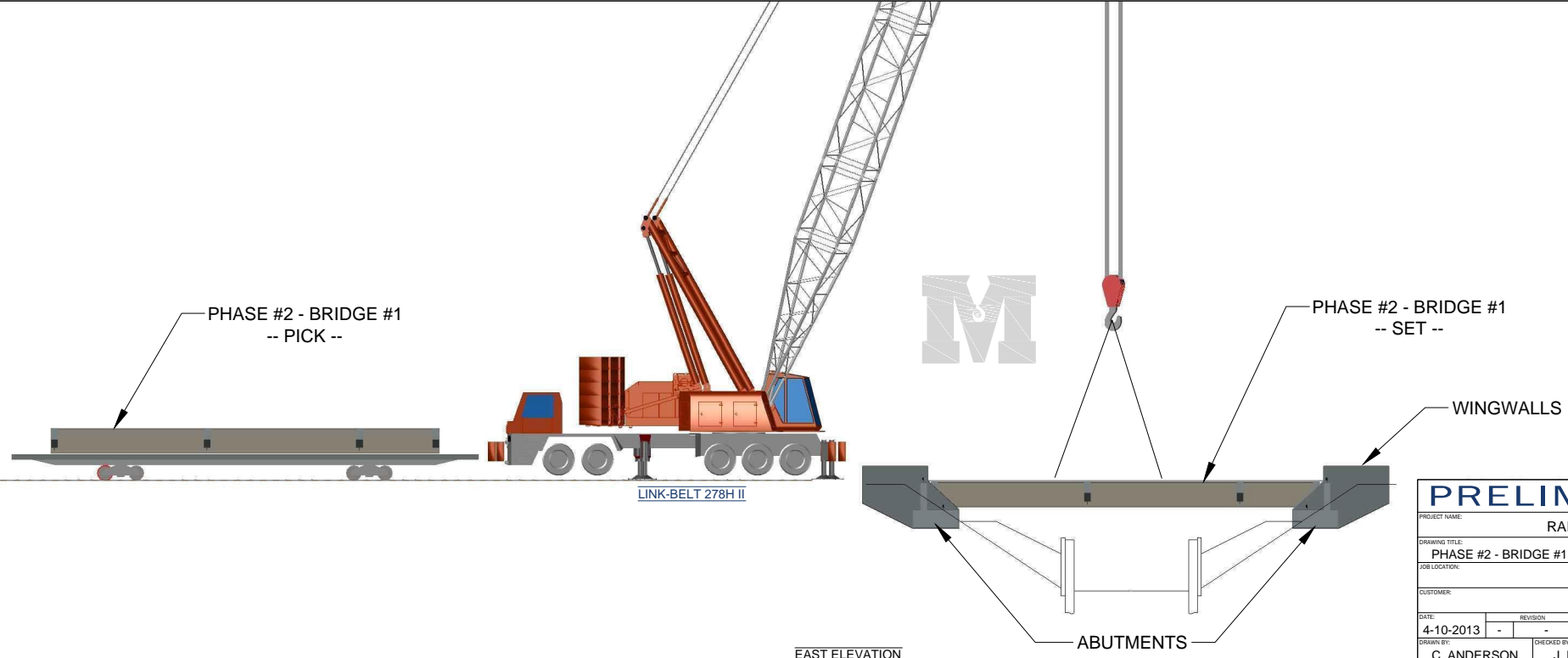
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OVERALL PLAN VIEW



EAST ELEVATION

CRANE #1 CONFIGURATION	
CRANE MODEL:	LINK-BELT 278H II
MAIN BOOM LENGTH:	130 ft
CRANE COUNTERWEIGHT:	108,000 lbs
CARBODY COUNTERWT:	11,400 lbs
DEGREE RATING:	360°
CRANE #1 LOAD CALCULATIONS	
LOAD DESCR:	BRIDGE #1 PHASE #2 <70'R>
LOAD DIMENSIONS:	50' x 12'-8" x 4'
LOAD PICK RADIUS:	70 ft
BOOM ANGLE @ RADIUS:	60°
TIP HEIGHT @ RADIUS:	120 ft
LOAD WEIGHT:	87,290 lbs
DEDUCTIONS:	
LOAD LINE:	4 Part 200 lbs
MAIN BLOCK:	2,000 lbs
SHACKLES:	50 lbs
SLINGS:	200 lbs
TOTAL LOAD:	90,120 lbs
CAPACITY @ RADIUS:	121,000 lbs
PERCENT CAPACITY: 74.4 %	

PRELIMINARY

PROJECT NAME: RAILROAD BRIDGE

DRAWING TITLE: PHASE #2 - BRIDGE #1 PICK/SET

JOB LOCATION:

CUSTOMER:

DATE: 4-10-2013

REVISION: -

SHEET: 5 OF 6

DRAWN BY: C. ANDERSON

CHECKED BY: J. BELCHER

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NOT TO SCALE

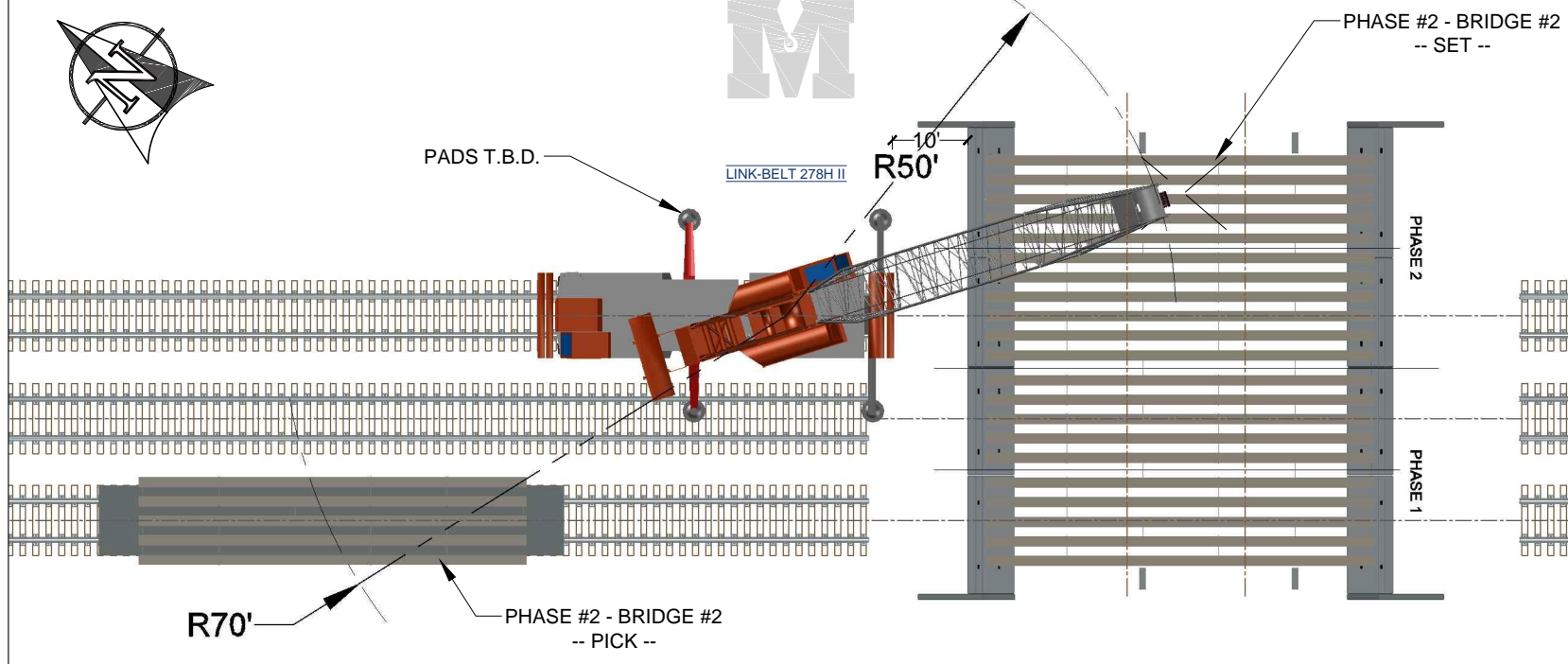


CRANE #1 CONFIGURATION

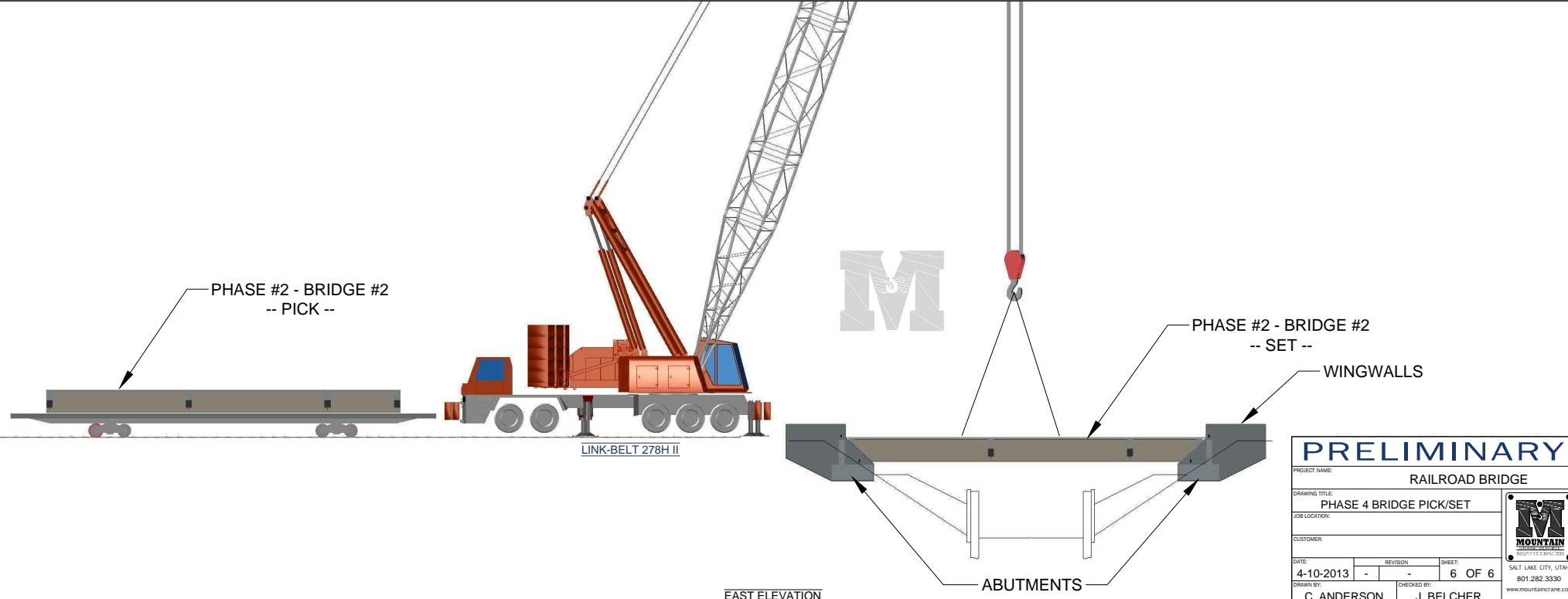
CRANE MODEL:	LINK-BELT 278H II
MAIN BOOM LENGTH:	130 ft
CRANE COUNTERWEIGHT:	108,000 lbs
CARBODY COUNTERWT:	11,400 lbs
DEGREE RATING:	360°

CRANE #1 LOAD CALCULATIONS

LOAD DESCR:	BRIDGE PHASE 4 <FARTHEST>	
LOAD DIMENSIONS:	50' x 12'-6" x 4'	
LOAD PICK RADIUS:	70 ft	
BOOM ANGLE @ RADIUS:	60°	
TIP HEIGHT @ RADIUS:	120 ft	
LOAD WEIGHT:	80,290 lbs	
DEDUCTIONS:		
LOAD LINE:	4 Part	200 lbs
MAIN BLOCK:		2,000 lbs
SHACKLES:		50 lbs
SLINGS:		200 lbs
TOTAL LOAD:	82,740 lbs	
CAPACITY @ RADIUS:	121,000 lbs	
PERCENT CAPACITY: 68.3 %		



OVERALL PLAN VIEW



EAST ELEVATION

PRELIMINARY

PROJECT NAME: RAILROAD BRIDGE

DRAWING TITLE: PHASE 4 BRIDGE PICK/SET


JOB LOCATION:

CUSTOMER:

DATE:	REVISION:	SHEET:
4-10-2013	-	6 OF 6

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