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PROJECT:
LR1600 SL8F3 96m+12m

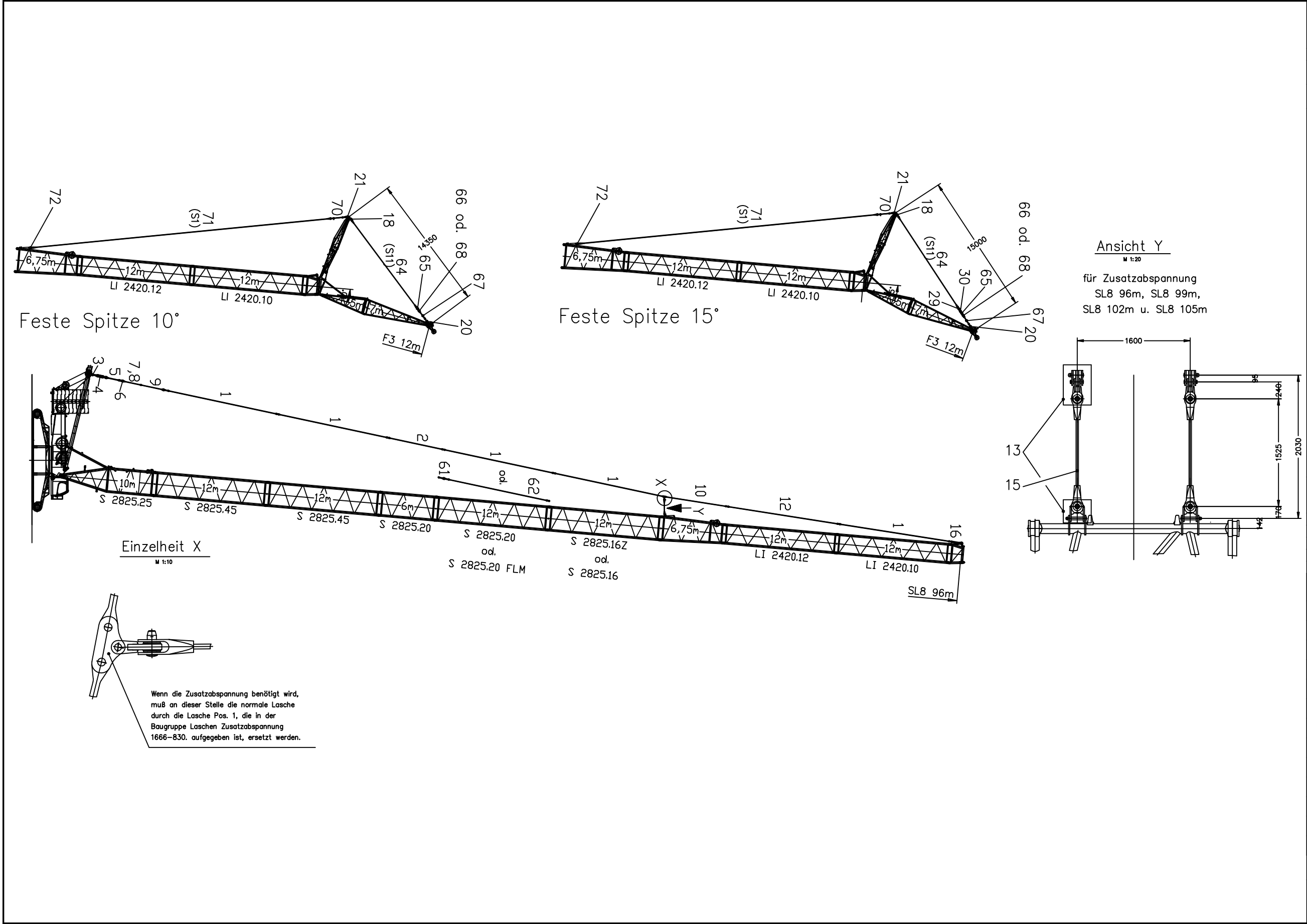
LOCATION: -----
BUCKNER CONTACT: Dan Ives, PE
Dani@BucknerCompanies.com

LIFT PLAN BY: Dan Ives, PE
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DRAWING NOTES:
Title Page

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PROJECT:
LR1600 SL8F3 96m+12m

LOCATION:-----

BUCKNER CONTACT:Dan Ives, PE
Dani@BucknerCompanies.com

LIFT PLAN BY:Dan Ives, PE
Dani@BucknerCompanies.com

DRAWING NOTES:
Build Sheet

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BUCKNER
HEAVYLIFT CRANES

Pos.	Item	Description		Page
1	964522208	ROD CPL.	12 M	
2	964344008	ROD CPL.	6 M	
3	964545608	ROD CPL.	1 M	
5	964568008	ROD CPL.	2.05M	
6	964700008	BRACKET WITH BOARD	0.25M	
7	964699808	ROD WITH BOARD	1.85M	
8	964699908	ROD WITH BOARD	1.85M	
9	964698608	ROD CPL.	2.975M	
10	964867908	ROD CPL.	6.75M	
12	965049808	ROD CPL.	12 M	
13	915553508	SUPPLEMENTARY GUYING DEVICE	LASCHEN	16
14	915553708	SUPPLEMENTARY GUYING DEVICE	3M	20
15	915553608	SUPPLEMENTARY GUYING DEVICE	2M	18
16	966188608	ROD		
17	964798408	ROD CPL.	3 M	
61	965913708	ROD CPL.	1.1M	
62	965913008	ROD CPL.	10.9M	
1000	98028386	RODS/ PULL RODS LR 1600-2	F. SL8	

25.1.2018		96018123
LIEBHERR	074571 (LR 1600/2) RODS/ PULL RODS LR 1600-2 F. SL8	Page: 38

Pos.	Item	Description		Page
18	964802408	BRACKET COMPL.		
20	964718708	BRACKET COMPL.	0	
21	964802708	BRACKET COMPL.		
27	977000208	TENSIONING ROPE	5.5M	
29	964831008	ROD WITH BOARD	0.43M	
30	964829208	BRACKET COMPL.		
64	97051734	TENSIONING ROPE	11.48M	
65	969047508	BRACKET COMPL.		
66	11485553	TENSION DYNAMOMETER	0-600KN	
67	969051608	BRACKET COMPL.		
68	96002459	BRACKET COMPL.	0.38M	
70	96018478	ROTATING SHAFT	1.635M	
71	96017806	GUY ROPE CPL.	48X31.9M	
72	96013249	BRACKET COMPL.		
1000	98028983	RODS/ PULL RODS LR 1600-2	F. F3	

25.1.2018		96018867
LIEBHERR	074571 (LR 1600/2) RODS/ PULL RODS LR 1600-2 F. F3	Page: 35

PROJECT:
LR1600 SL8F3 96m+12m

LOCATION: -----
BUCKNER CONTACT: Dan Ives, PE
Dani@BucknerCompanies.com
LIFT PLAN BY: Dan Ives, PE
Dani@BucknerCompanies.com

DRAWING NOTES:
Rod Plan

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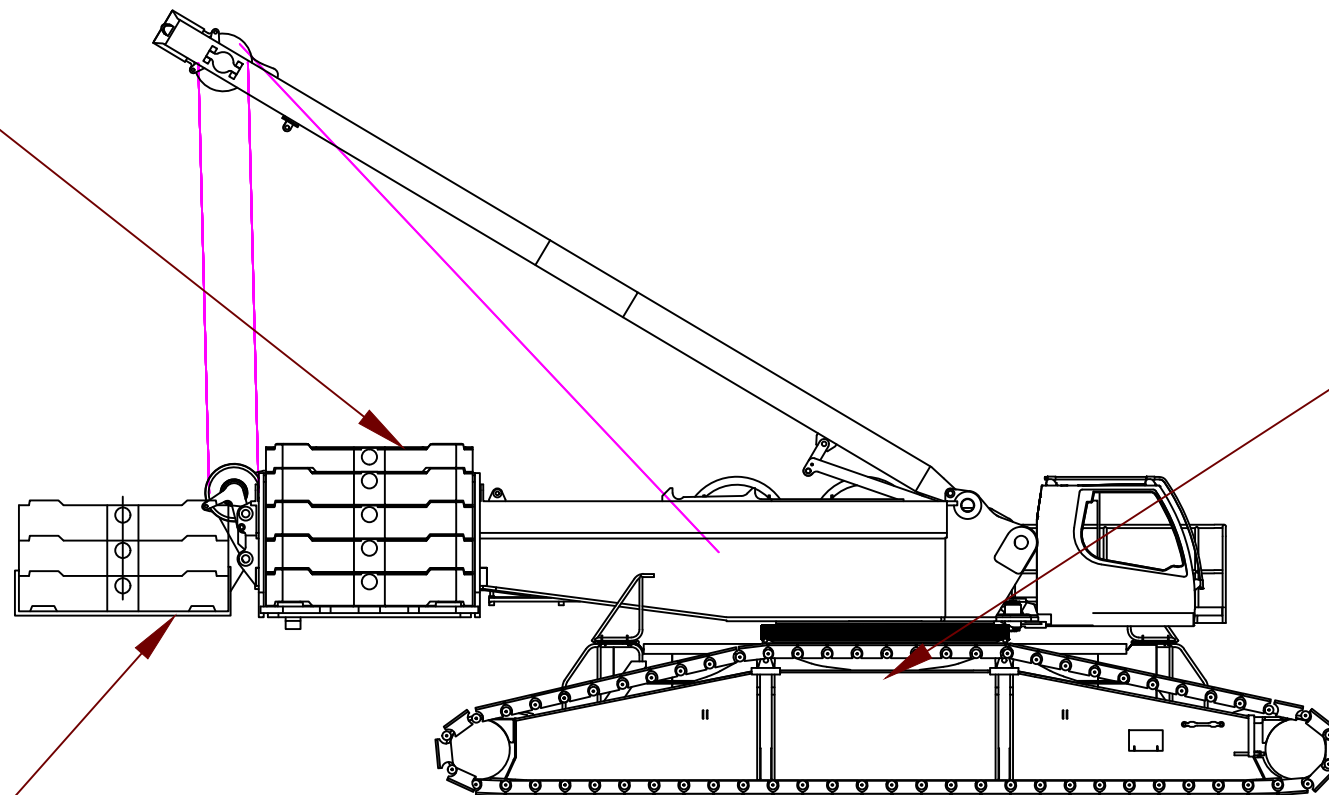
SHEET: 003 OF 009

BUCKNER
HEAVYLIFT CRANES

Superstructure
150 tonnes
14 slabs
10 ton each

Extension
67.5 tonnes_
6 slabs
10 ton each

Carbody
65 tonnes
6 slabs
10 ton each



PROJECT:	LR1600 SL8F3 96m+12m
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LOCATION:	----
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BUCKNER CONTACT: Dan Ives, PE
Dani@BucknerHeavyLift.com

LIFT PLAN BY: Dan Ives, PE
Danic@BucknerHeavyLift.com

DRAWING NOTES:
Counterweight Arrangement

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BUCKNER

Reeving	Maximum possible total boom length for following hook block weight:					
	3.3 kips without auxiliary weights	5.5 kips for 2 auxiliary weights	7.7 kips for 4 auxiliary weights	9.9 kips for 6 auxiliary weights	12.1 kips for 8 auxiliary weights	
7	118 ft	197 ft	276 ft	354 ft	394 ft	
6	138 ft	236 ft	335 ft	433 ft	453 ft	
5	157 ft	276 ft	394 ft	512 ft	532 ft	
4	217 ft	374 ft	512 ft	360 ft	360 ft	
3	295 ft	492 ft	630 ft	630 ft	630 ft	
2	453 ft	630 ft	630 ft	630 ft	630 ft	
1	630 ft	630 ft	630 ft	630 ft	630 ft	

Reeving	Maximum possible total boom length for following hook block weight:					
	4.4 kips without auxiliary weights	6.6 kips for 2 auxiliary weights	8.8 kips for 4 auxiliary weights	11.0 kips for 6 auxiliary weights	13.2 kips for 8 auxiliary weights	15.4 kips for 10 auxiliary weights
11	79 ft	138 ft	177 ft	236 ft	256 ft	256 ft
10	98 ft	157 ft	197 ft	256 ft	276 ft	276 ft
9	118 ft	177 ft	236 ft	295 ft	315 ft	315 ft
8	138 ft	197 ft	276 ft	335 ft	354 ft	354 ft
7	157 ft	236 ft	315 ft	394 ft	394 ft	394 ft
6	177 ft	276 ft	374 ft	453 ft	453 ft	453 ft
5	217 ft	335 ft	453 ft	532 ft	532 ft	532 ft
4	295 ft	433 ft	591 ft	630 ft	630 ft	630 ft
3	394 ft	610 ft	630 ft	630 ft	630 ft	630 ft
2	610 ft	630 ft	630 ft	630 ft	630 ft	630 ft
1	630 ft	630 ft	630 ft	630 ft	630 ft	630 ft

40.35.10 – 4/9

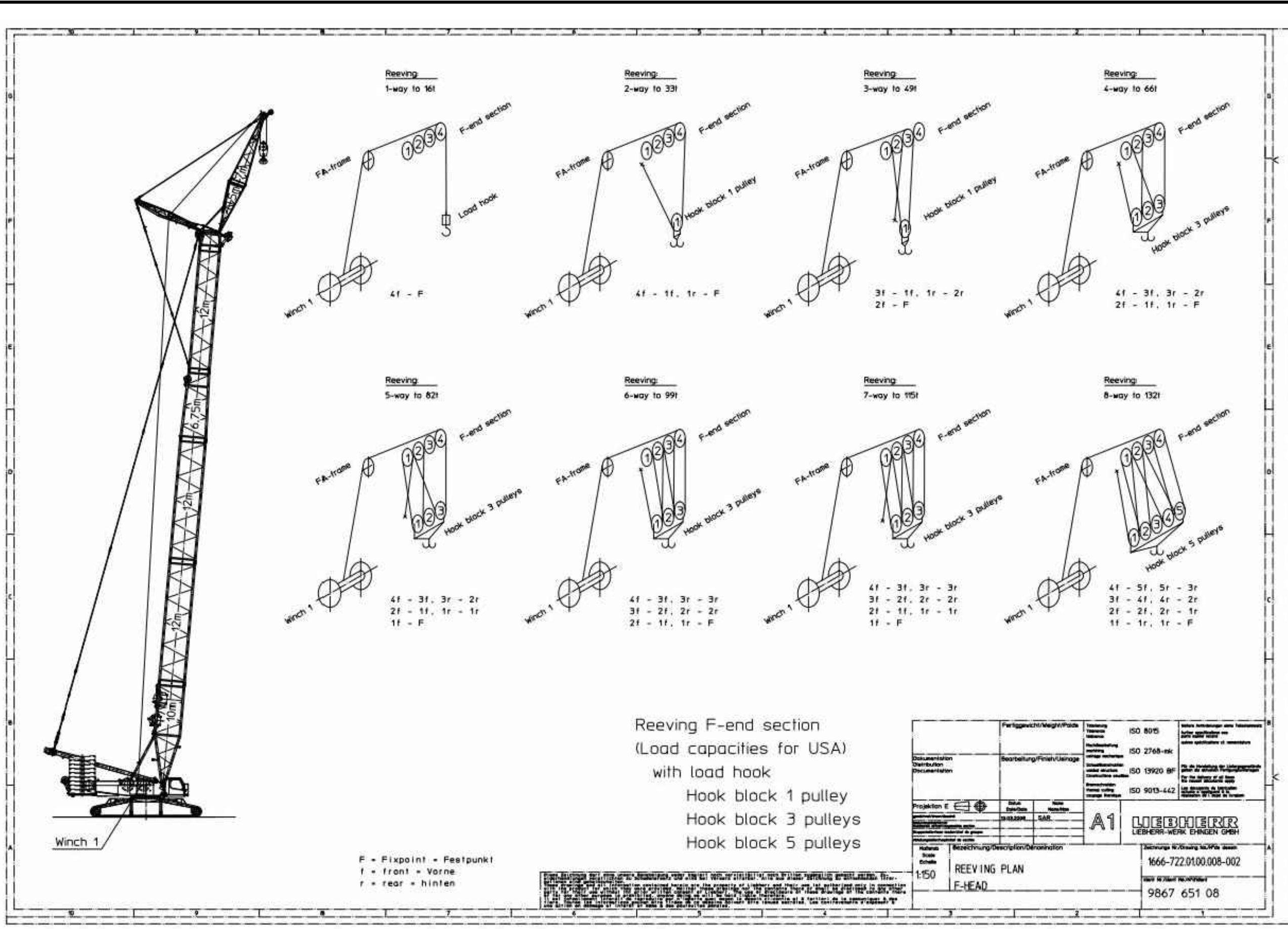
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BUCKNER CONTACT:	Dan Ives, PE Dani@BucknerHeavylift.com
LIFT PLAN BY:	Dan Ives, PE Dani@BucknerHeavylift.com

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BUCKNER



PROJECT:
LR1600 SL8F3 96m+12m

LOCATION: -----
BUCKNER CONTACT: Dan Ives, PE
Dani@BucknerCompanies.com
LIFT PLAN BY: Dan Ives, PE
Dani@BucknerCompanies.com

DRAWING NOTES:
Reeving Plan

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SL8F3-operation, with auxiliary support
F-adapter without roller set

TAB 181 00 512
Page: 1 of 1

On crawlers 8.7m x 8.4m x 1.5m
Wind: maximum 12.8m/s
Ground slope: maximum 0.3°

System: S 2825.45/25/20/16
L 2420.12/10
F 1916.6.3
Pivot section without winch 5 and 6

SL8 with F3-12 with auxiliary support		Permissible weight [t] of the hook block on the F-boom For turntable / turntable extension / central ballast [t]			
		150/ 67.5/ 65	190/ 0/ 65	150/ 0/ 65	150/ 0/ 25
Main boom length [m]	72	•	•	•	•
	75	•	•	•	•
	78	•	•	•	•
	81	•	•	•	•
	84	•	•	•	•
	87	•	•	•	4.7
	90	•	•	6.6	3.5
	93	•	•	4.3	1.3
	96	6.8	6.2	2.4	-
	99	4.6	3.9	-	-
	102	2.9	2.2	-	-
	105	1.6	-	-	-

SL8 with F3-18 with auxiliary support		Permissible weight [t] of the hook block on the F-boom For turntable / turntable extension / central ballast [t]			
		150/ 67.5/ 65	190/ 0/ 65	150/ 0/ 65	150/ 0/ 25
Main boom length [m]	72	•	•	•	•
	75	•	•	•	•
	78	•	•	•	•
	81	•	•	•	•
	84	•	•	•	5.6
	87	•	•	6.3	3.4
	90	•	•	5.2	2.3
	93	•	6.7	3.0	-
	96	5.4	4.8	1.3	-
	99	3.3	2.7	-	-
	102	1.7	1.1	-	-
	105	-	-	-	-

- Hook block weight to 7t permissible
- Erection not permissible

It may be necessary to use a greater hook block weight than is indicated here. See the load chart manual: Determination of hoist rope reeving and hook block. This heavier hook block must be carried along on the ground during erection / take down, or the auxiliary weights must be attached after erection and removed before take down.
2 slewing gears are necessary for operation.

LWE/18150-21-02/en

PROJECT:
LR1600 SL8F3 96m+12m

LOCATION: -----

BUCKNER CONTACT: Dan Ives, PE
Dani@BucknerCompanies.com

LIFT PLAN BY: Dan Ives, PE
Dani@BucknerCompanies.com

DRAWING NOTES:
Erection and Takedown

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SL8 315ft	F3 10.0° 39ft
--------------	------------------

[illegible]

	SL8	F3 10.0°		143,000			
	315ft	39ft	var5 lbs	lbs	360°		

1 (1)

SL8 315ft	F3 15.2° 39ft
--------------	------------------

[illegible]

	SL8 315ft	F3 15.2° 39ft	 lbs	 lbs	 360°		
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1 (1)

LOCATION:	-----
BUCKNER CONTACT:	Dan Ives, PE Dani@BucknerCompanies.com
LIFT PLAN BY:	Dan Ives, PE Dani@BucknerCompanies.com

DRAWING NOTES:
Load Chart

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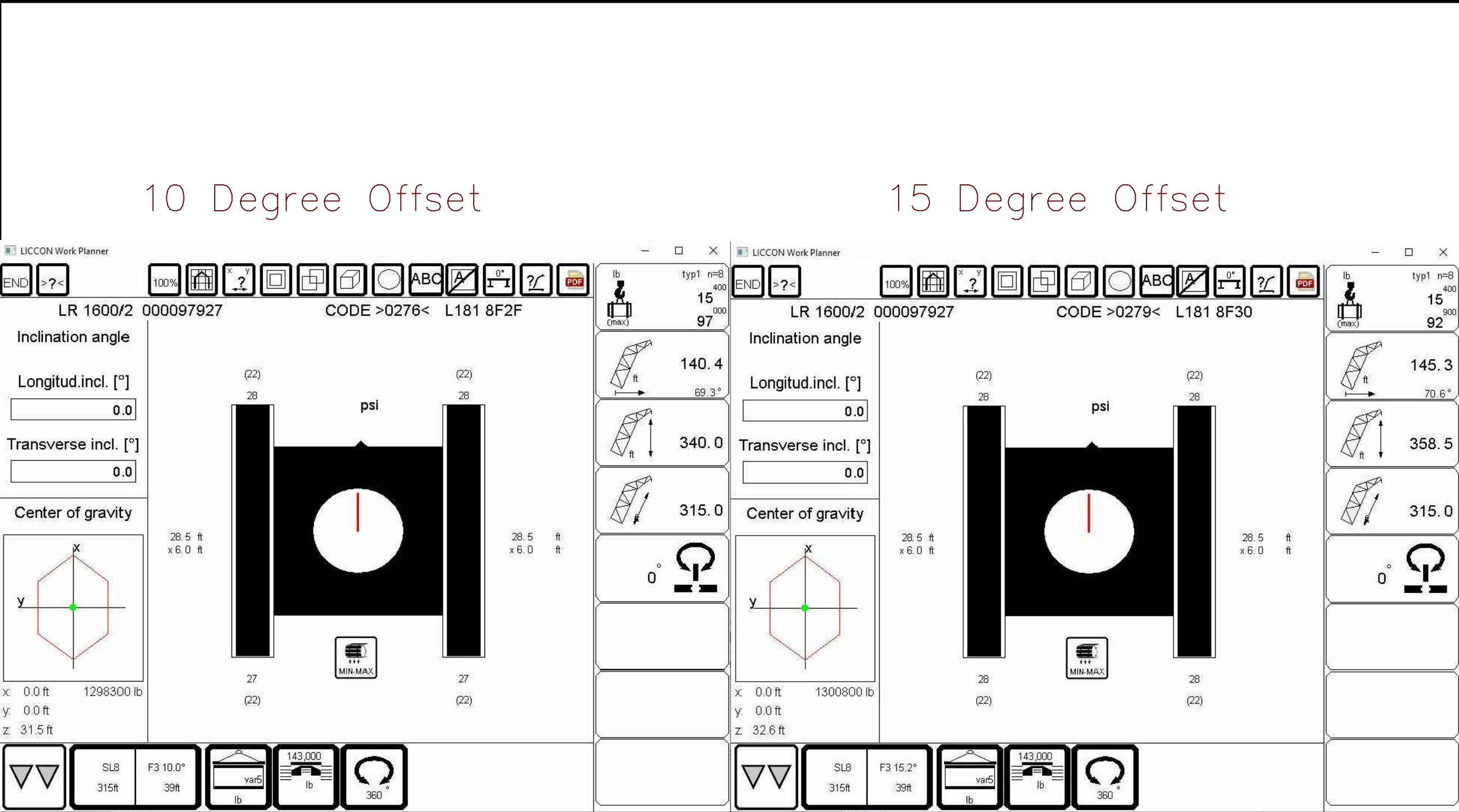
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SHEET: 008 OF 009





NOTE: These track pressures are based on the crane being perfectly balanced and perfectly level. Inclinations during travel will increase the track pressures from what is shown here.

PROJECT:
LR1600 SL8F3 96m+12m

LOCATION:-----

BUCKNER CONTACT:Dan Ives, PE
Dani@BucknerCompanies.com

LIFT PLAN BY:Dan Ives, PE
Dani@BucknerCompanies.com

DRAWING NOTES:
Balanced Boom

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