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PROJECT:
LR1500 SL8F 93m+12m

LOCATION: -----

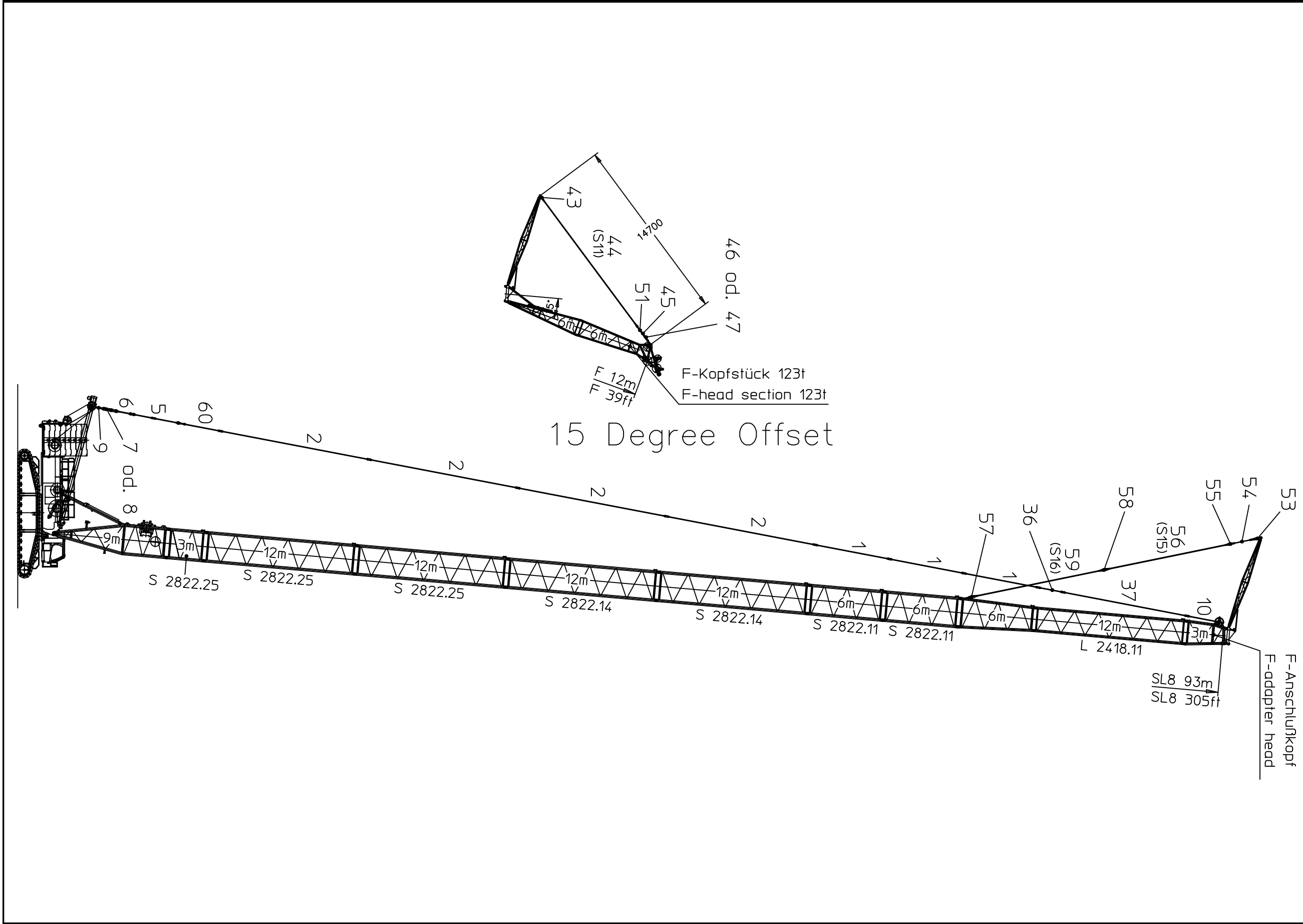
BUCKNER CONTACT: Dan Ives, PE
Dani@BucknerCompanies.com

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

DRAWING NOTES:
Title Page

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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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Pos. Item	Description		Page
1 969815308	PULL ROD	6M	
2 969764008	PULL ROD	12M	
5 969845008	ROD CPL.	4.1M	
6 96002874	PULL ROD		
7 918283908	MEASURING PLATE	2000 KN	21
8 918284008	MEASURING PLATE	2000 KN	
9 96002840	DRAW SHACKLE		
10 96002822	PULL ROD		
25 96003783	GUY SHACKLE	ABSPANNSTANGEN	
26 96003784	CROSS STRAP	OBEN	
27 96003785	CROSS STRAP	MITTE	
28 96003786	CONNECTING BRACKET	UNTEN	
30 97076059	FIBRE TENSIONING ROPE	28X1.32M	
32 97076074	FIBRE TENSIONING ROPE	28X2.25M	
36 969862208	PULL ROD	2M	
37 969866908	PULL ROD	10M	
53 96008822	BRACKET WITH BOARD		
54 96006315	ROCKER		
55 96008824	CROSS STRAP		
56 97080063	FIBRE TENSIONING ROPE	48X10.0M	
57 96007983	BRACKET COMPL.	M. GELENKLAGER	
58 96001458	BRACKET COMPL.		
59 97080079	FIBRE TENSIONING ROPE	48X10.45M	
60 96019093	PULL ROD	3M	
1000 98029340	RODS/ PULL RODS LR 1500	F. SL8F	

30.8.2017		96019395
LIEBHERR	074432 (LR 1500) RODS/ PULL RODS LR 1500 F. SL8F	Page: 12

Pos. Item	Description		Page
43 96008823	DRAW SHACKLE		
44 97079590	FIBRE TENSIONING ROPE	44X12.6 M	
45 96009395	-		
46 918284408	MEASURING PLATE		17
47 918284508	MEASURING PLATE		
48 96008777	DRAW SHACKLE	0.02 M	
49 97079360	FIBRE TENSIONING ROPE	44X5.30 M	
50 97079361	FIBRE TENSIONING ROPE	44X10.8M	
51 96008804	DRAW SHACKLE	0.7 M	
52 96008881	GUY ROPE CPL.	44X2.4 M	
1000 98025191	RODS/ PULL RODS LR 1500	F. F	

30.8.2017		96012963
LIEBHERR	074432 (LR 1500) RODS/ PULL RODS LR 1500 F. F	Page: 9

PROJECT:
LR1500 SL8F 93m+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 008



1 Crane operation with 1 hoist rope F = 180 kN and d = 1 1/8" (28 mm) (EST1)



Note
► The net weight of a hook block can be increased using auxiliary weights. The respective weight is indicated on the side of the auxiliary weights. Possible auxiliary weights are specified in the following table.

Auxiliary weights	
500 kg	1105 lbs

1.1 Load hook 20 E (SWL 20 t (44100 lbs))

Load		Rope pulleys	Maximum reeving	Net weight without auxiliary weight	
18.2 t	40000 lbs	0	1	1.1 t	2430 lbs

1.2 Hook block 63 EM (SWL 63 t (138900 lbs))

Load		Rope pulleys	Maximum reeving	Net weight without auxiliary weight	
54.0 t	118900 lbs	1	3	1.0 t	2210 lbs

Hook block with installed auxiliary weights		Net weight	
2 auxiliary weights		2.0 t	4420 lbs
4 auxiliary weights		3.0 t	6630 lbs

1.3 Hook block 125 DM (SWL 125 t (275630 lbs))

Load		Rope pulleys	Maximum reeving	Net weight without auxiliary weight	
123.4 t	272100 lbs	3	7	1.5 t	3310 lbs

Hook block with installed auxiliary weights		Net weight	
2 auxiliary weights		2.5 t	5520 lbs
4 auxiliary weights		3.5 t	7730 lbs
6 auxiliary weights		4.5 t	9940 lbs
8 auxiliary weights		5.5 t	12150 lbs

1.4 Hook block 250 DM (SWL 250 t (551250 lbs))

Load		Rope pulleys	Maximum reeving	Net weight without auxiliary weight	
250.0 t	551250 lbs	7	15	4.0 t	8820 lbs

Hook block with installed auxiliary weights		Net weight	
2 auxiliary weights		5.0 t	11030 lbs
4 auxiliary weights		6.0 t	13240 lbs
6 auxiliary weights		7.0 t	15450 lbs

1.5 Hook block 320 DM (SWL 320 t (705600 lbs))

Load		Rope pulleys	Maximum reeving	Net weight without auxiliary weight	
300.6 t	662700 lbs	9	18	4.5 t	9920 lbs

Hook block with installed auxiliary weights		Net weight	
2 auxiliary weights		5.5 t	12130 lbs
4 auxiliary weights		6.5 t	14340 lbs
6 auxiliary weights		7.5 t	16550 lbs
8 auxiliary weights		8.5 t	18760 lbs

1.6 Hook block 500 DMZ (SWL 500 t (1102500 lbs))

Load		Rope pulleys	Maximum reeving	Net weight without auxiliary weight	
403.6 t	889800 lbs	13	25	5.5 t	12130 lbs

Hook block with installed auxiliary weights		Net weight	
2 auxiliary weights		6.5 t	14340 lbs
4 auxiliary weights		7.5 t	16550 lbs
6 auxiliary weights		8.5 t	18760 lbs
8 auxiliary weights		9.5 t	20970 lbs
10 auxiliary weights		10.5 t	23180 lbs
12 auxiliary weights		11.5 t	25390 lbs

PROJECT:
LR1500 SL8F 93m+12m

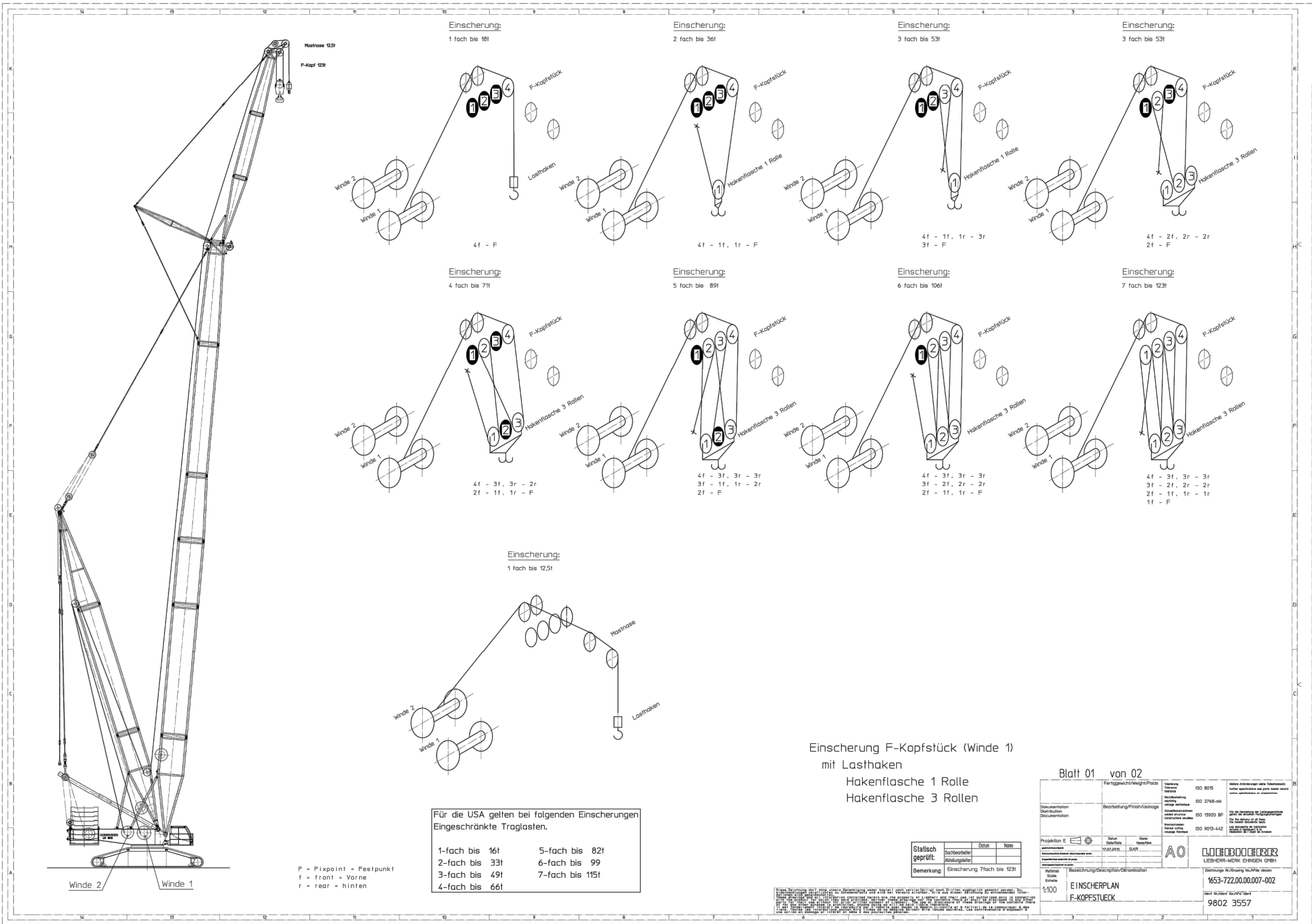
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BUCKNER CONTACT: Dan Ives, PE
Dani@BucknerHeavylift.com
LIFT PLAN BY: Dan Ives, PE
Dani@BucknerHeavylift.com

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Hook Block

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SHEET: 005 OF 008
BUCKNER
HEAVYLIFT CRANES



PROJECT:
LR1500 SL8F 93m+12m

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

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

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Reeving Plan

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SL8F – operation, without / with auxiliary supportaat_252_063_00001_00_000

SL8: F-connector headPage:1 of 4

On crawlers 7.9m x 7.6m x 1.5m
Wind: maximum 11.1m/s
Ground slope: maximum 0.3°System: S 2822.25/14/11
L 2418.11
F 1812.6.3

Operation with boom nose: The operation with boom nose is possible from a "permissible weight of hook block on the F-boom" of 2t. In that case, the value in the chart is the sum of the weights of the hook blocks on the F-boom and the boom nose (incl. hoist rope).

SL8 with F-12 Without auxiliary support		Permissible weight [t] of hook block on main boom			
		for superstructure / superstructure extension / central ballast [t]			
		130 / 0 / 40	150 / 0 / 40	150 / 27 / 40	170 / 0 / 40
Main boom length [m]	72	1.5	3.6	7.6	5.8
	75	-	2.0	5.7	4.0
	78	-	-	4.4	2.8
	81	-	-	2.7	1.1
	84	-	-	1.4	-
	87	-	-	-	-
	90	-	-	-	-
	93	-	-	-	-
	96	-	-	-	-
	99	-	-	-	-
	102	-	-	-	-

- Hook block weight to 10t 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.

LWE/25250-04-02/en

SL8F – operation, without / with auxiliary supportaat_252_063_00001_00_000

SL8: F-connector headPage:3 of 4

On crawlers 7.9m x 7.6m x 1.5m
Wind: maximum 11.1m/s
Ground slope: maximum 0.3°System: S 2822.25/14/11
L 2418.11
F 1812.6.3

Operation with boom nose: The operation with boom nose is possible from a "permissible weight of hook block on the F-boom" of 2t. In that case, the value in the chart is the sum of the weights of the hook blocks on the F-boom and the boom nose (incl. hoist rope).

SL8 with F-12 With auxiliary support (to the side)		Permissible weight [t] of hook block on main boom			
		for superstructure / superstructure extension / central ballast [t]			
		130 / 0 / 40	150 / 0 / 40	150 / 27 / 40	170 / 0 / 40
Main boom length [m]	72	•	•	•	•
	75	•	•	•	•
	78	•	•	•	•
	81	8.5	9.8	9.8	9.8
	84	7.0	8.3	9.0	9.0
	87	5.2	6.5	7.2	7.2
	90	3.9	5.1	5.9	5.9
	93	2.2	3.4	4.2	4.2
	96	1.4	2.6	3.3	3.3
	99	-	1.0	1.8	1.8
	102	-	-	0.7	0.7

- Hook block weight to 10t 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.

LWE/25250-04-02/en

PROJECT:
LR1500 SL8F 93m+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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BUCKNER
HEAVYLIFT CRANES

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PROJECT:
LR1500 SL8F 93m+12m

LOCATION: _____

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

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

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Load Chart

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