

# BUCKNER

## HEAVYLIFT CRANES

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PROJECT:  
LR11000 SL8F2 84m+18m

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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SHEET: 001 OF 008



PROJECT:  
LR11000 SL8F2 84m+18m

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

DRAWING NOTES:  
Build Sheet

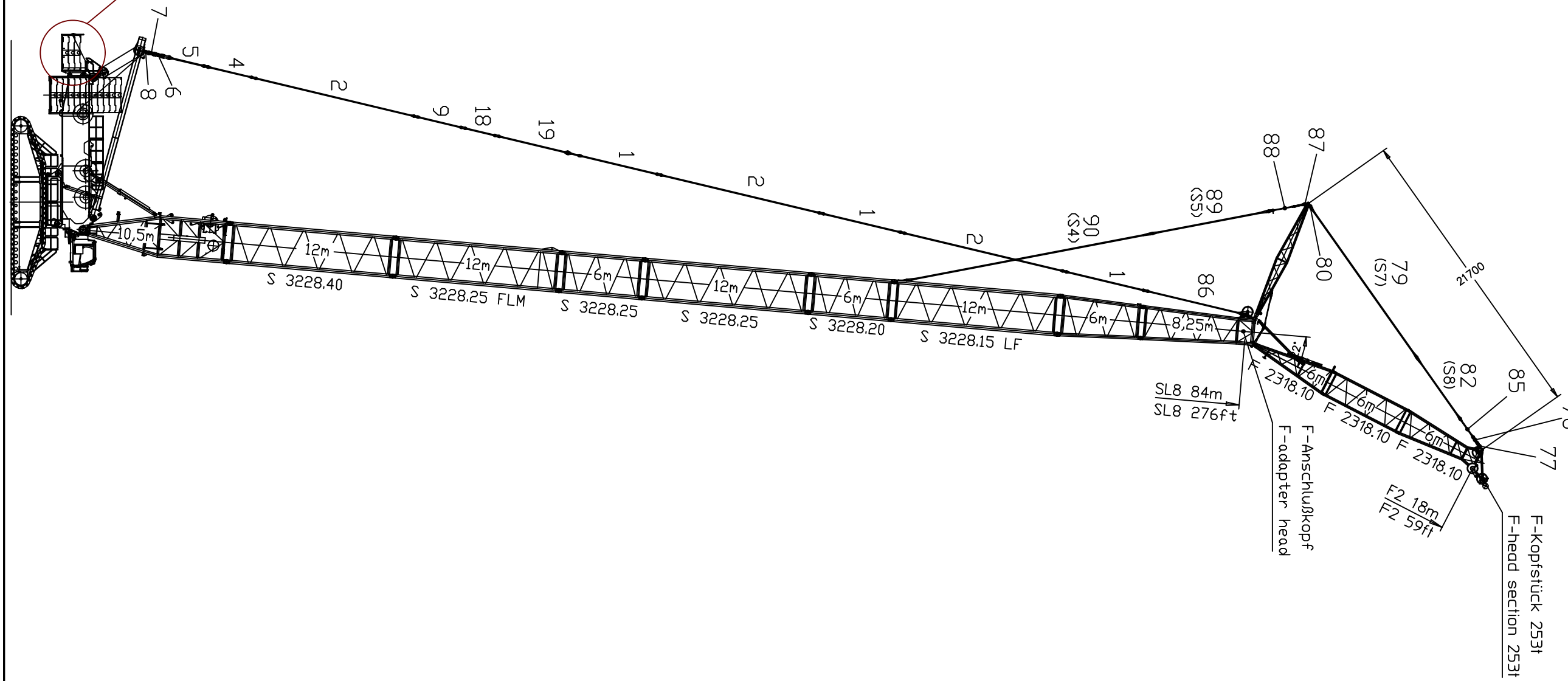
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Counterweight extension REQUIRED



Pos. Item	Description		Page
1 967746908	ROD CPL.	6M	
2 967743808	ROD CPL.	12 M	
4 967981008	PULL ROD	3.525M	
5 967846208	PULL ROD	3.3M	
6 917368808	MEASURING PLATE	3000 KN	4
7 967846608	PULL TAB WITH SIGN	0.4M	
8 967845508	DRAW SHACKLE	0.7M	
9 967897608	PULL ROD	3.5M	
18 968190108	PULL ROD	2.5M	
19 968190208	PULL ROD	6.005M	
86 96038420	RODS / PULL RODS	7.35M	
87 96035533	BRACKET CPL.		
88 96035475	ROTATING SHAFT		
89 96037814	GUY ROPE CPL.	66X8.5M	
90 96037810	GUY ROPE CPL.	66X18M	
1000 98043886	RODS/ PULL RODS LR 11000	SL8F2	

Pos. Item	Description		Page
76 919219108	MEASURING PLATE	1250 KN	19
77 96037041	DRAW SHACKLE	0.6M	
78 96037042	DRAW SHACKLE	0.230M	
79 97122954	FIBRE TENSIONING ROPE	66X13.1M	
80 96035525	DRAW SHACKLE		
81 96037332	GUY ROPE CPL.	66X2.725M	
82 96037007	GUY ROPE CPL.	66X5.45M	
83 96037255	GUY ROPE CPL.	66X10.9M	
84 96039026	DRAW SHACKLE	0.930M	
85 96039027	DRAW SHACKLE	1.630M	
1000 98043732	RODS/ PULL RODS LR 11000	F2	

PROJECT:  
LR11000 SL8F2 84m+18m

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

DRAWING NOTES:  
Rod Plan

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PROJECT:  
LR11000 SL8F2 84m+18m

LOCATION: -----

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

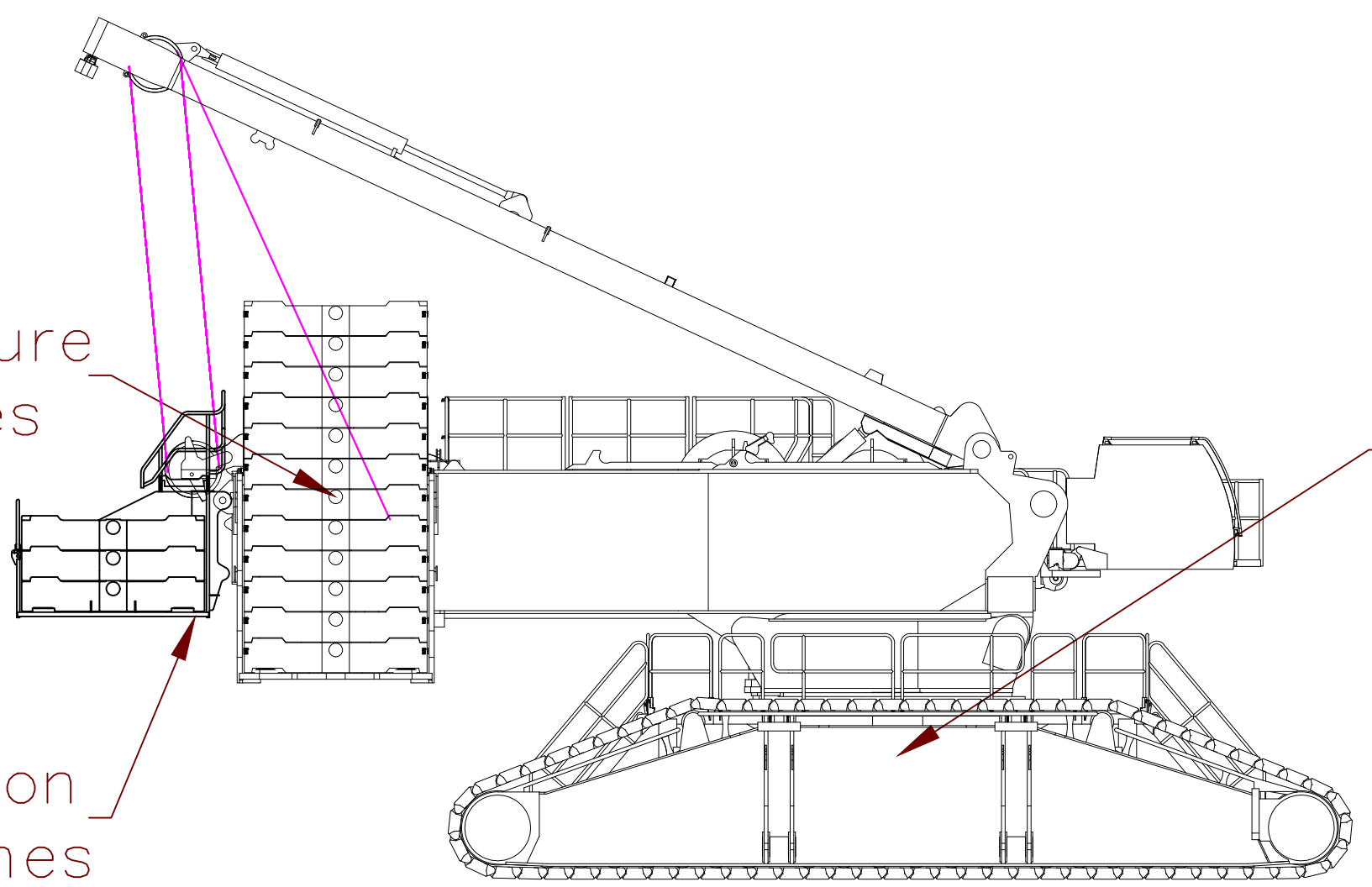
LIFT PLAN BY: Dan Ives, PE  
Dani@BucknerCompanies.com

DRAWING NOTES:  
Counterweight Arrangement

Superstructure  
250 tonnes

Carbody  
130 tonnes

Extension  
80 tonnes

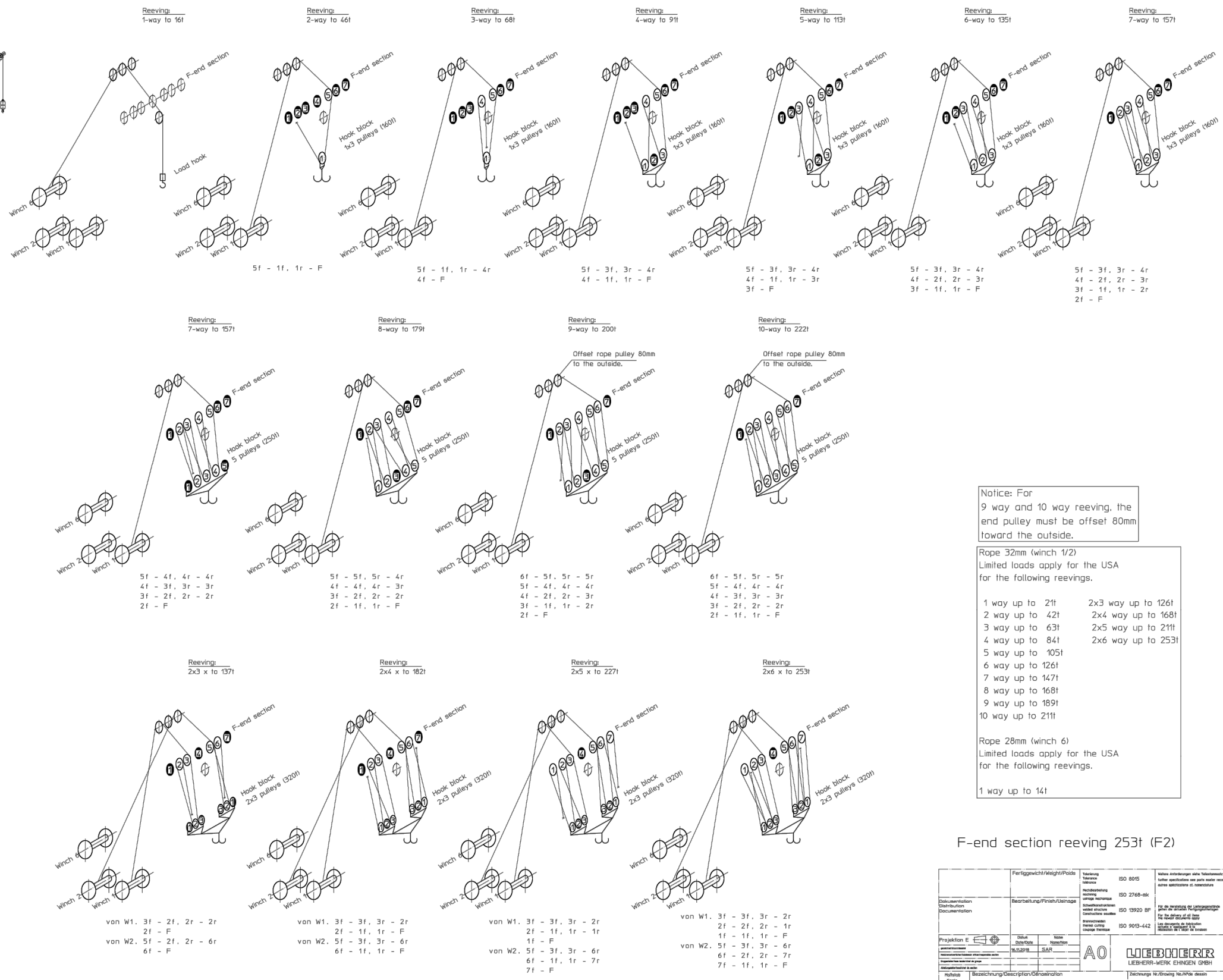
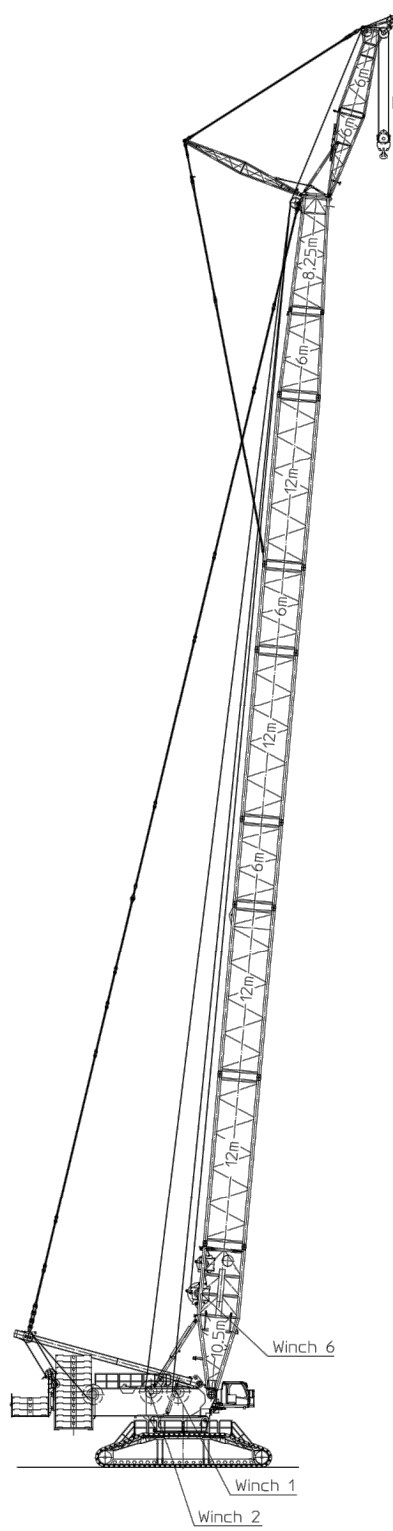


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F = Fixpoint = Festpunkt  
 f = front = vorne  
 r = rear = hinten

Notice: For 9 way and 10 way reeving, the end pulley must be offset 80mm toward the outside.

Rope 32mm (winch 1/2)  
 Limited loads apply for the USA for the following reeving.

1 way up to 21t	2x3 way up to 126t
2 way up to 42t	2x4 way up to 168t
3 way up to 63t	2x5 way up to 210t
4 way up to 84t	2x6 way up to 252t
5 way up to 105t	
6 way up to 126t	
7 way up to 147t	
8 way up to 168t	
9 way up to 189t	
10 way up to 210t	

Rope 28mm (winch 6)  
 Limited loads apply for the USA for the following reeving.

1 way up to 14t
-----------------

F-end section reeving 253t (F2)

Fertiggeviert/Weight/ Poids		Technische Zeichnung/Technical Drawing		ISO 8015	Weitere Anforderungen siehe Technische Zeichnung/ Further specifications see parts master record or other specifications in accordance	
Bearbeitung/Finish/Usinage		Nachbearbeitung/Finishing/Usinage		ISO 2768-MK		
Projektion E		Scale		1:250	REEVING PLAN F2-END SECTION	
Zustimmung/Approval		Date		12.2022	SAR	
Projektor/Projector		Name		AO	LEIBERHER LIEBHERR-WERK EHINGEN GMBH	
Zeichnung/Working Drawing/Plan		Drawing No./Drawing No./Plan No.		1668-722.00.00.014-000	9804 3912	

PROJECT:  
 LR11000 SL8F2 84m+18m

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 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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**SL8F2-operation, without auxiliary support  
F-connector head**

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On crawlers 9.6m x 9.2m x 2.0m  
Ground slope: maximum 0.3°

System: S 3228.40/25/20/15  
F 2318.10

**Wind speed:**  
maximum 12.8m/s: for all boom lengths and wind direction 360°.

**Operation with boom nose:** During operation with a boom nose, the value in the chart is the sum of the weights of the hook blocks on the main boom and the boom nose as well as the weight of the boom nose.

SL8 with F2-18 without auxiliary support		Permissible weight [t] of the hook block on the F2-boom for turntables / superstructure extension / central ballast [t]									
		250 / 80 / 130	250 / 0 / 130	250 / 0 / 90	230 / 0 / 90	210 / 0 / 90	190 / 0 / 90	210 / 0 / 50	190 / 0 / 50	170 / 0 / 50	150 / 0 / 50
Main boom length [m]	SL8-84	12.0	-	-	-	-	-	-	-	-	-
	SL8-90	7.2	-	-	-	-	-	-	-	-	
	SL8-96	-	-	-	-	-	-	-	-	-	
	SL8-102	-	-	-	-	-	-	-	-	-	
	SL8-108	-	-	-	-	-	-	-	-	-	

- Hook block weight to maximum 20t 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/23560-16-02/en

**SL8F2-operation, with auxiliary support  
F-connector head**

aat\_235\_063\_00002\_00\_001  
Page: 3 of 10

On crawlers 9.6m x 9.2m x 2.0m  
Ground slope: maximum 0.3°

System: S 3228.40/25/20/15  
F 2318.10

**Wind speed:**  
maximum 12.8m/s: for all boom lengths and wind direction 360°.

**Operation with boom nose:** During operation with a boom nose, the value in the chart is the sum of the weights of the hook blocks on the main boom and the boom nose as well as the weight of the boom nose.

SL8 with F2-18 with auxiliary support (to the side)		Permissible weight [t] of the hook block on the F2-boom for turntables / superstructure extension / central ballast [t]									
		250 / 80 / 130	250 / 0 / 130	250 / 0 / 90	230 / 0 / 90	210 / 0 / 90	190 / 0 / 90	210 / 0 / 50	190 / 0 / 50	170 / 0 / 50	150 / 0 / 50
Main boom length [m]	SL8-84	•	•	•	•	•	17	17	14	10	7.8
	SL8-90	•	18	18	17	14	11	11	8.5	5.5	2.6
	SL8-96	14	11	11	10	8	5.2	5.1	2.3	-	-
	SL8-102	8.6	6.2	6.2	5.1	2.7	-	-	-	-	-
	SL8-108	2.5	-	-	-	-	-	-	-	-	-

- Hook block weight to maximum 20t 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/23560-16-02/en

PROJECT:  
LR11000 SL8F2 84m+18m

LOCATION: -----

BUCKNER CONTACT: Dan Ives, PE  
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LIFT PLAN BY: Dan Ives, PE  
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DRAWING NOTES:  
Erection and Takedown

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# 2.4m Track Pads

LICCON Work Planner

END >?< R2 [ft] [lb] [Home] [X] [Y] [Square] [Cube] [Circle] ABC [A] [0°] [?] [PDF]

LR 11000 000000/0031 CODE >063.21809< ⚠ 401

1.0  
 0.0°  
 0.0°

ft 62.5

psi

32 32  
31ft x 7.3ft 31ft x 7.3ft  
B 30ft x 31ft A

2008800 lb  
x = -0.003  
y = 0.000  
z = 28.018

ft

x1000lb (max)

n4=7 9.9 108.4

ft 56.4° 213.1

ft 22.3° 278.1

0.0°

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DRAWING NOTES:  
Balanced Boom

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