

# BUCKNER

## HEAVYLIFT CRANES

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PROJECT:  
LR11000 SL8F2 102m+27m

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

DRAWING NOTES:  
Title Page

FILE: C:\Buckner\Buckner Heavylift Cranes\Engineering - Documents\Drawings\BHL\Buckner\Build Sheets\LR 11000\LR 11000 - SL8F2 102m + 27m (335' + 89')  
CREATED: 07.01.2022 @ 12:52:09 PM  
EDITING TIME: 3h53m FILE SIZE: 6475.04Kb  
PAPER SIZE: ANSI B (17.00 x 11.00 Inches)  
SAVED: 07.01.2022 @ 12:52:07 PM  
PLOTTED: 07.01.2022 @ 12:52:09 PM

### Revisions

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000	07.01.2022	Preliminary Planning & Initial Layout
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SHEET: 001 OF 008



PROJECT:  
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Dani@BucknerCompanies.com

LIFT PLAN BY: Dan Ives, PE  
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DRAWING NOTES:  
Build Sheet

FILE: C:\Buckner\Buckner Heavylift Cranes\Engineering - Documents\Drawings\BHL\Buckner\Build Sheets\LR 11000\LR 11000 - SL8F2 102m + 27m (335' + 89')

CREATED: 07.01.2022 @ 09:39:04 PM

EDITING TIME: 3h53m | FILE SIZE: 6475.04Kb

PAPER SIZE: ANSI B (17.00 x 11.00 Inches)

SAVED: 07.01.2022 @ 12:52:07 PM

PLOTTED: 07.01.2022 @ 12:52:10 PM

Revisions

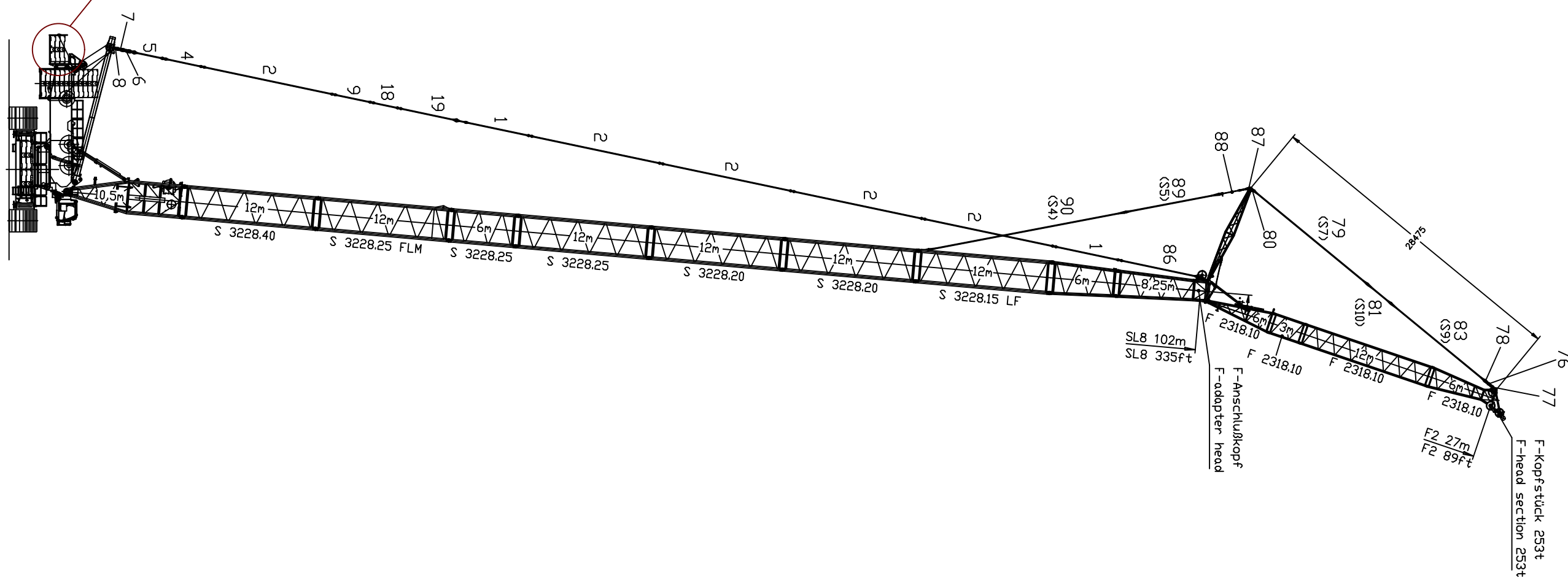
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Counterweight extension NOT USED



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	

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DRAWING NOTES:  
Rod Plan

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EDITING TIME: 3h53m FILE SIZE: 6475.04Kb  
PAPER SIZE: ANSI B (17.00 x 11.00 Inches)  
SAVED: 07.01.2022 @ 12:52:07 PM  
PLOTTED: 07.01.2022 @ 12:52:11 PM

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**BUCKNER**  
HEAVYLIFT CRANES

14.5.2019  
**LIEBHERR** LR 11000 (098251) 96039453  
RODS/ PULL RODS LR 11000 SL8F2 Page: 13

14.5.2019  
**LIEBHERR** LR 11000 (098251) 96039268  
RODS/ PULL RODS LR 11000 F2 Page: 11

PROJECT:  
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LOCATION: -----

BUCKNER CONTACT: Dan Ives, PE  
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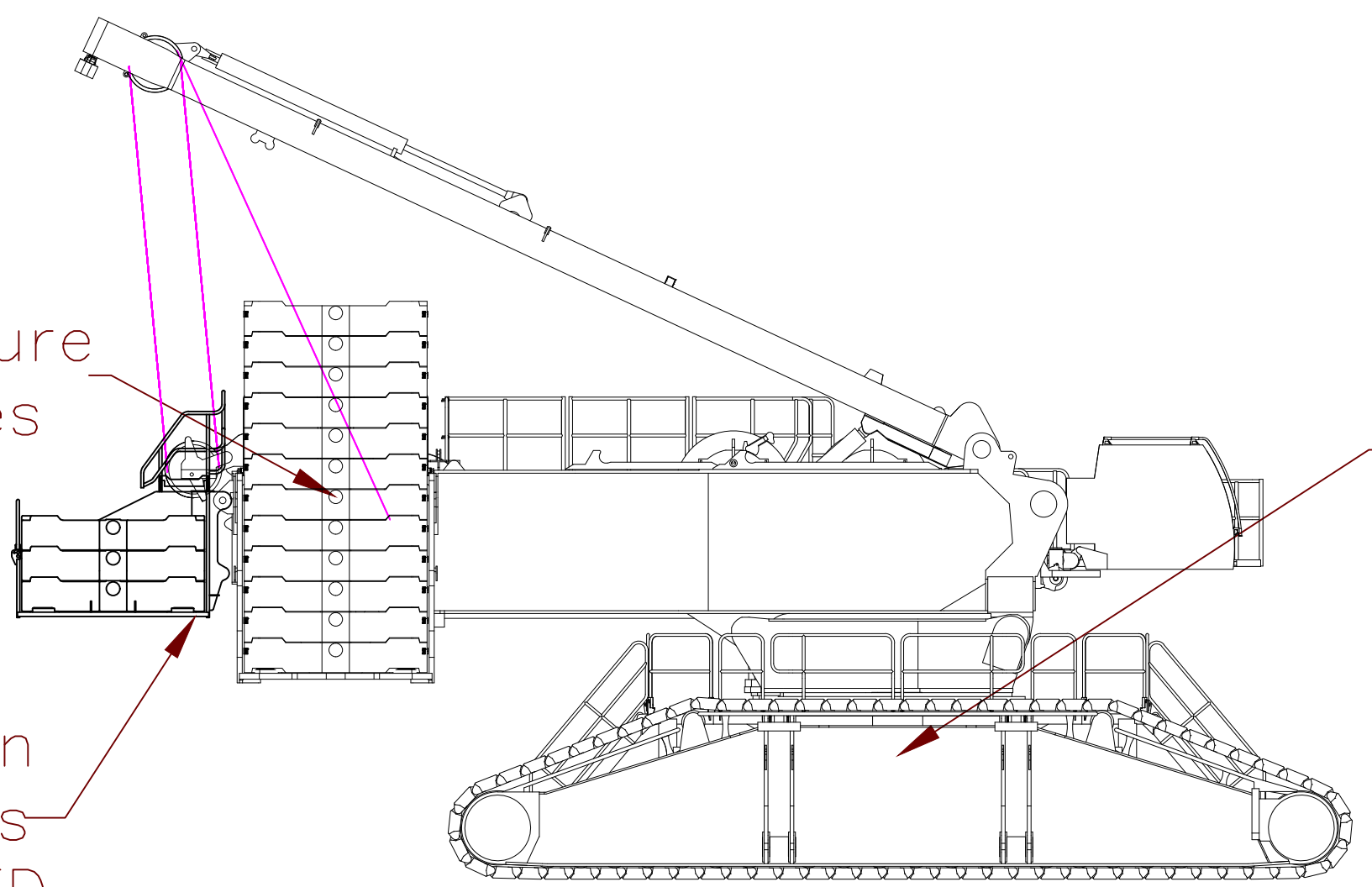
LIFT PLAN BY: Dan Ives, PE  
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DRAWING NOTES:  
Counterweight Arrangement

Superstructure  
250 tonnes

Carbody  
130 tonnes

Extension  
0 tonnes  
NOT USED

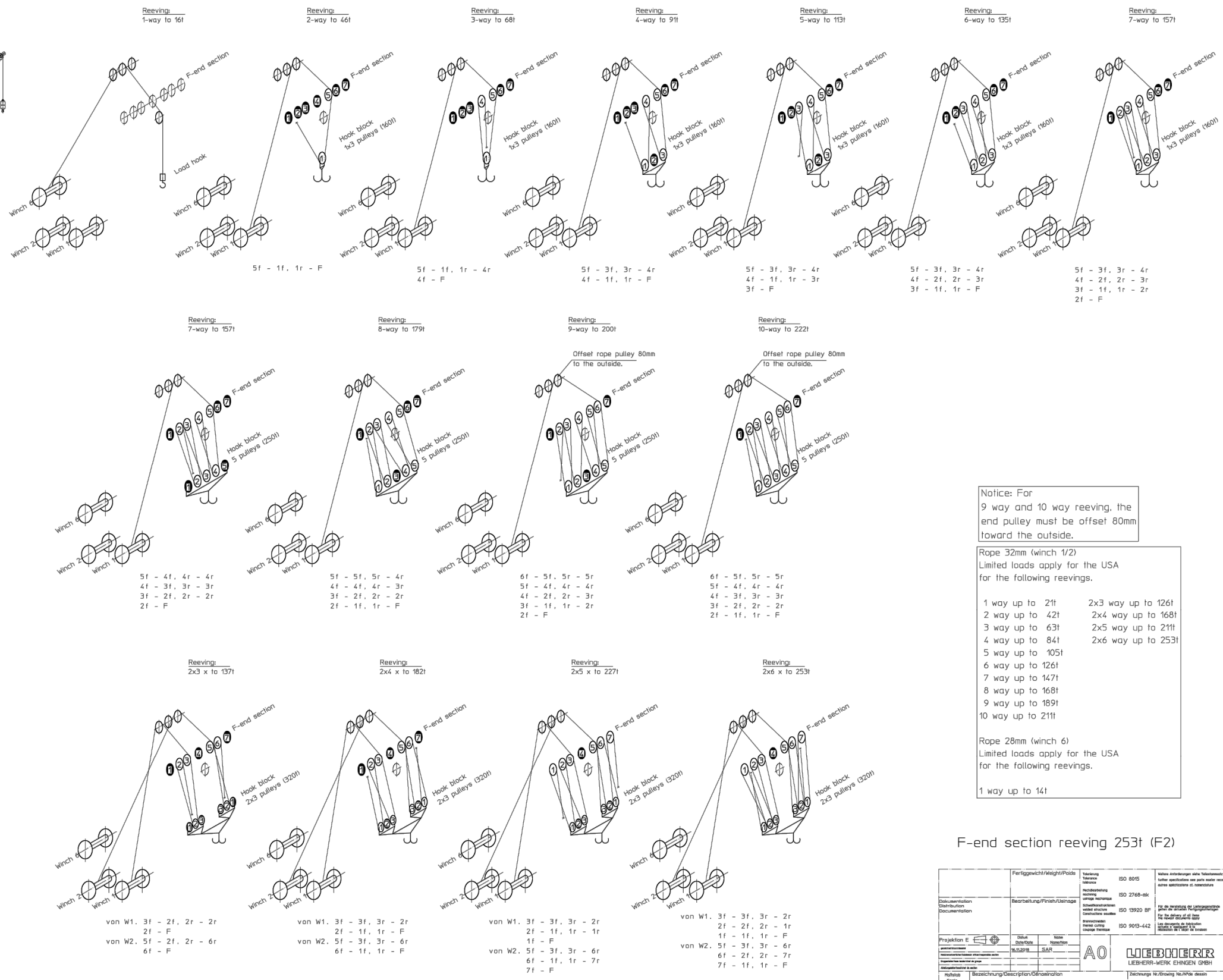
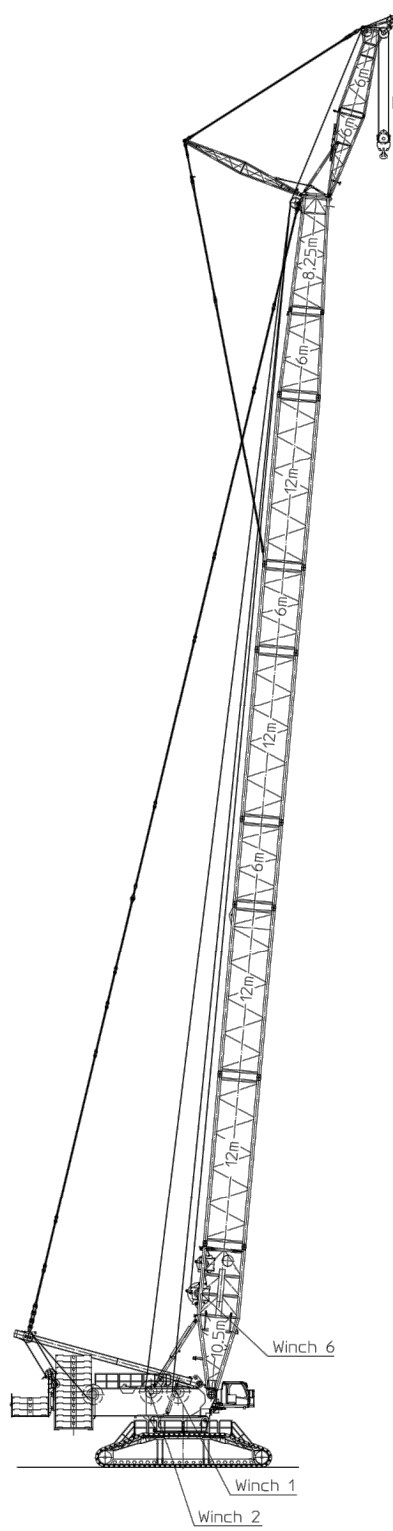


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PLOTTED: 07.01.2022 @ 12:52:12 PM

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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
-----------------

Fertiggevocht/Weight/Poids	Technische Tabellen/Reference	ISO 8015	Wichtig: Änderungen ohne Technische Tabelle spezifizieren sind nicht zulässig!
Bezeichnung/Finish/Usinage	Technische Zeichnung/Technical Drawing	ISO 2768-MK	
Projektion E	Scale/Größe	1:250	
Beschreibung/Description/Description		REEVING PLAN F2-END SECTION	
Zeilungs-Nr./Drawing Number		1668-722.00.0014-000	
Werk/Plant		9804 3912	

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DRAWING NOTES:  
 Reeving Plan

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 CREATED: 07.01.2022 @ 12:52:07 PM  
 EDITING TIME: 3h53m FILE SIZE: 6475.04Kb  
 PAPER SIZE: ANSI B (17.00 x 11.00 Inches)  
 SAVED: 07.01.2022 @ 12:52:07 PM  
 PLOTTED: 07.01.2022 @ 12:52:13 PM

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All Sheets Same Revision Level		
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**SL8F2-operation, with auxiliary support  
F-connector head**

aat\_235\_063\_00002\_00\_001  
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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 F2-27 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	•	•	•	18	16	13	13	10	7.3	4.4
	SL8-90	17	14	14	13	10	7.9	7.7	5	2.3	-
	SL8-96	11	8.2	8.2	7.1	4.7	2.1	-	-	-	-
	SL8-102	6.3	3.1	3.1	2.1	-	-	-	-	-	-
	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.

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DRAWING NOTES:  
Erection and Takedown

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PAPER SIZE: ANSI B (17.00 x 11.00 Inches)  
SAVED: 07.01.2022 @ 12:52:07 PM  
PLOTTED: 07.01.2022 @ 12:52:17 PM

Revisions

All Sheets Same Revision Level

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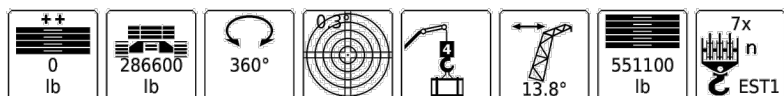


LR 11000 -- 098257

T235.063.50612

EN 13000

SL8F2: SL8-335ft F2-89ft10°



401

x1000lb			
	ft		
	79	307.4	307.4
	80	305.8	305.8
	90	271.2	271.2
	100	236.7	236.7
	110	207.9	207.9
	120	183.0	183.0
	130	161.9	161.9
	140	143.4	143.4
	150	127.1	127.1
	170	99.9	99.8
	190	78.0	77.3
	210	60.2	59.1
	230	45.1	42.2
	250	32.4	31.5
	270	21.5	21.5
	290	12.1	12.1
	292	11.3	11.3

	ft/s		
	29.5	42.0	

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DRAWING NOTES:  
Load Chart

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SAVED: 07.01.2022 @ 12:52:07 PM  
PLOTTED: 07.01.2022 @ 12:52:18 PM

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# 2.4m Track Pads

LICCON Work Planner

END >?< R2 [ft] [lb] [House] [x y] [Square] [Cube] [Circle] ABC [A] [0°] [?] [PDF]

LR 11000 000000/0031 CODE >063.50612< ⚠️ 401

1.0 0.0° 0.0°

ft 62.8

psi 1883400 lb  
x = 0.008  
y = 0.000  
z = 41.417

ft 20.0 -20.0

32ft x 7.9ft 27 27 30ft x 32ft 27 27

B A

x1000lb (max)  
n4=7 18.7 146.1  
ft 75.4° 138.5  
ft 13.8° 419.3  
0.0°

V6.19 [Crane] [Truck] [Lift] [Warning]

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DRAWING NOTES:  
Balanced Boom

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EDITING TIME: 3h53m FILE SIZE: 6475.04Kb  
PAPER SIZE: ANSI B (17.00 x 11.00 Inches)  
SAVED: 07.01.2022 @ 12:52:07 PM  
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