

BUCKNER

HEAVYLIFT CRANES

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002	Build Sheet
003	Rod Plan
004	Counterweight Arrangement
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PROJECT: LR1600 SL 72m

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

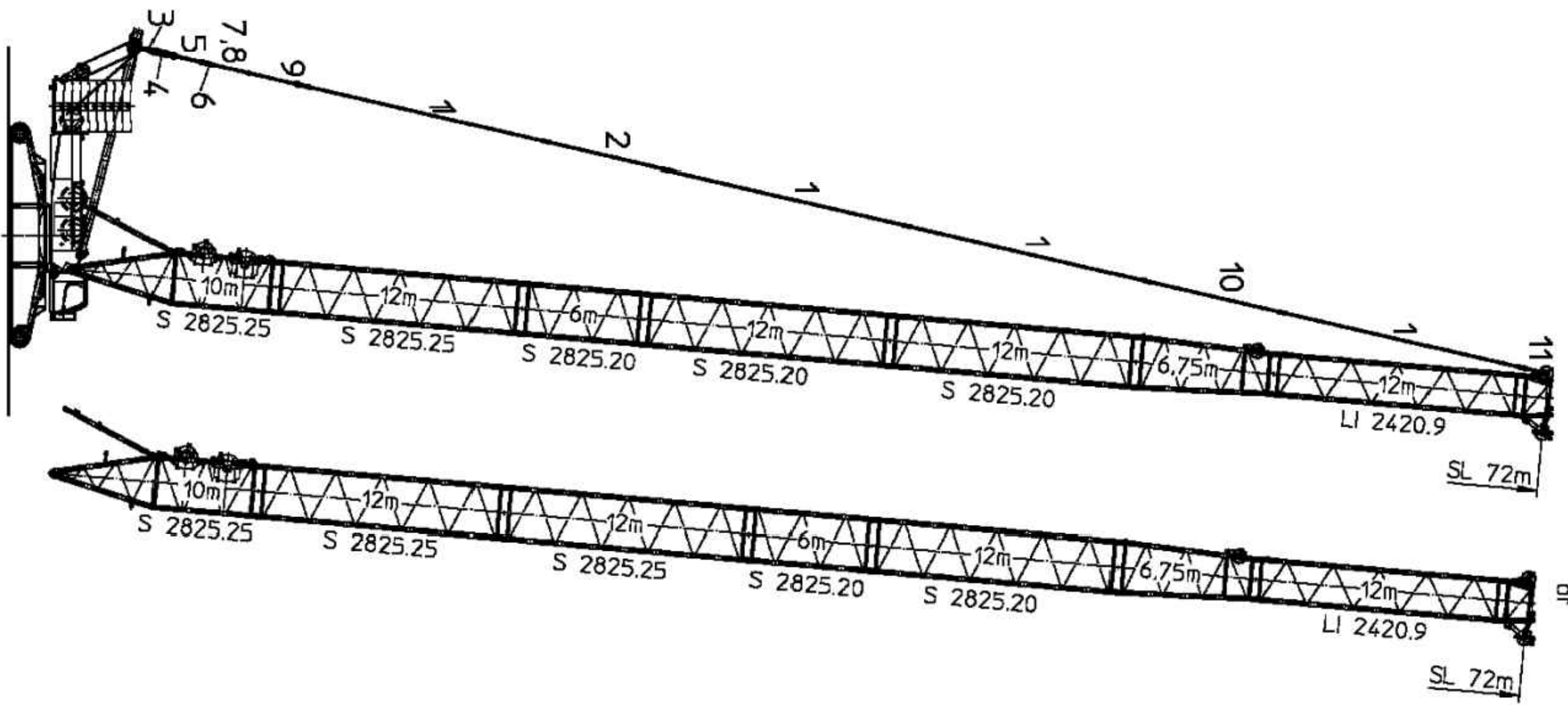
DRAWING NOTES:
 Title Page

FILE: C:\Users\Dan Ives\OneDrive - Buckner Heavylift
 Cranes\Engineering\Drawings\BHL\Buckner\Build
 Sheets\LR 1600\LR 1600 - SL 72m (236').dwg
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PROJECT:
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DRAWING NOTES:
Build Sheet

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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
11 964904208	ROD CPL.	1.075M
1000 989911008	RODS/ PULL RODS LR 1600-2	F. S

PROJECT:
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DRAWING NOTES:
Rod Plan

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2.12.2016	LR 1600/2 (097927) RODS/ PULL RODS LR 1600-2 F. S	967946708 Page: 7
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PROJECT:
LR1600 SL 72m

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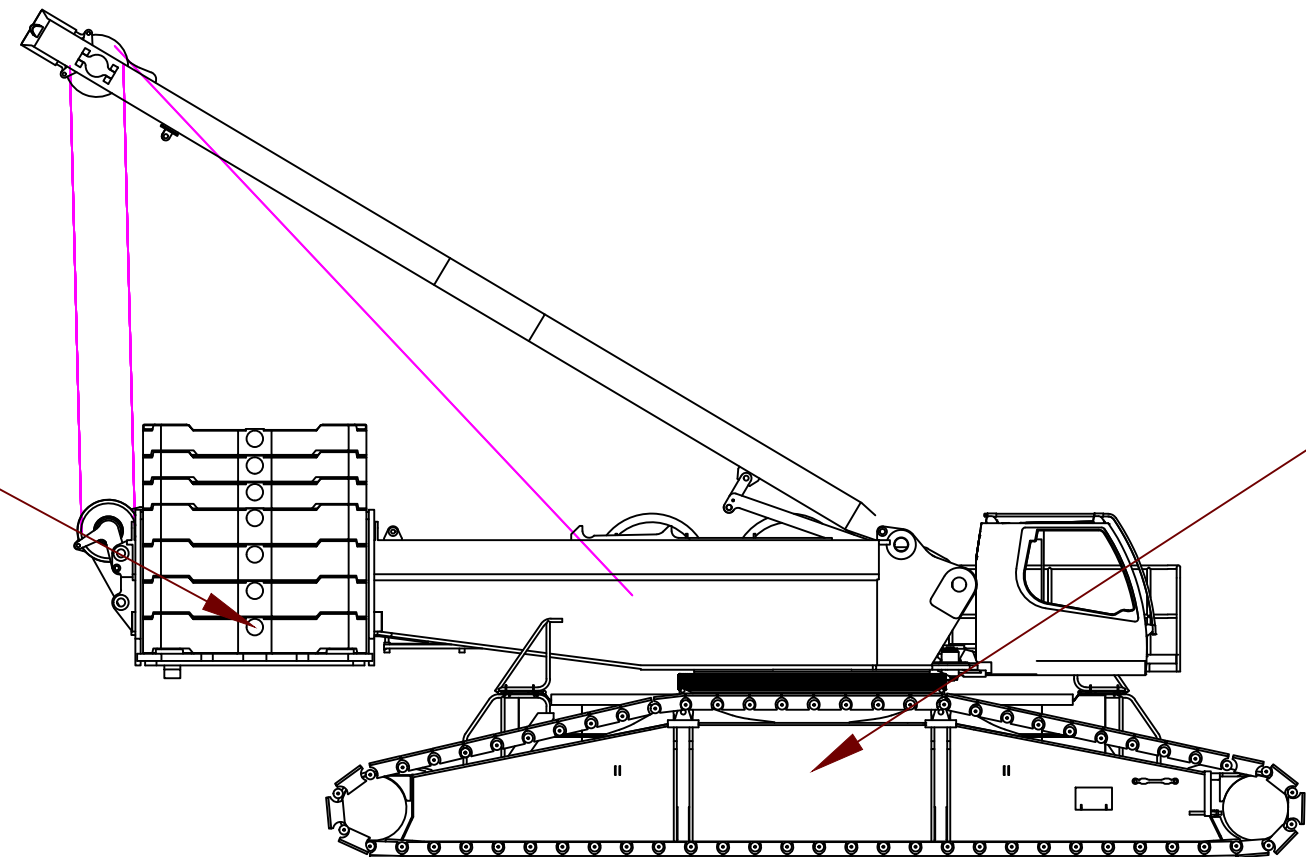
BUCKNER CONTACT: Dan Ives, PE
Dani@BucknerHeavylift.com

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

Superstructure
190 tonnes
18 rocks
10 ton each

Carbody
65 tonnes
6 rocks
10 ton each



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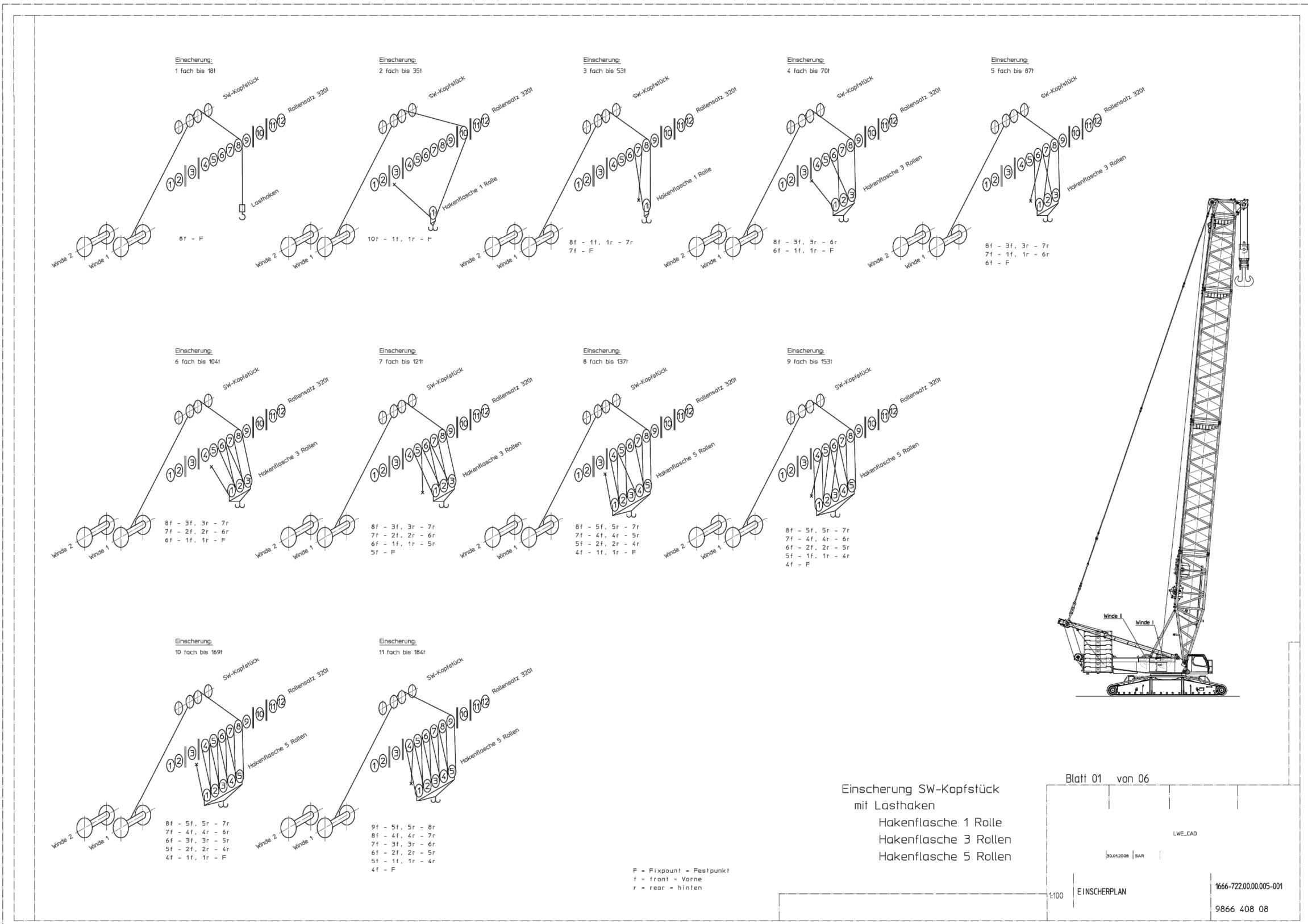
SHEET: 004 OF 007



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LIFT PLAN BY: Dan Ives, PE
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DRAWING NOTES:
Reeving Plan



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**SL-operation, without / with auxiliary support
SW-end section with pulley set 320 t**

TAB 181 00 007-00

on crawlers 8.70m x 8.40 m

System: S 2825.25/20/16
Li 2825.12.5/10/8.8

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Operation with boom nose: The permissible hook block weight on the main boom is reduced by the weight of the boom nose (approx. 1t) and the hook block on the boom nose.

SL without auxiliary support		Permissible weight[t] of hook block on main boom								
		for slewing platform / central ballast [t]								
		190 / 65	170 / 65	150 / 65	150 / 25	130 / 25	110 / 25	110 / 5	70 / 5	30 / 5
Main boom length [m]	54	•	•	•	18.0	14.0	10.0	8.5	-	-
	60	•	18.0	15.0	12.0	9.0	5.5 *	4.0 *	-	-
	66	15.0	12.0	9.0	7.0	4.0 *	-	-	-	-
	72	10.0	7.5	4.5 *	2.5 *	-	-	-	-	-
	78	6.5	4.0 *	-	-	-	-	-	-	-
	84	2.5 *	-	-	-	-	-	-	-	-
	90	-	-	-	-	-	-	-	-	-
	96	-	-	-	-	-	-	-	-	-
	102	-	-	-	-	-	-	-	-	-

SL with auxiliary support (to the side)		Permissible weight[t] of hook block on main boom								
		for slewing platform / central ballast [t]								
		190 / 65	170 / 65	150 / 65	150 / 25	130 / 25	110 / 25	110 / 5	70 / 5	30 / 5
Main boom length [m]	54	•	•	•	•	•	•	•	•	9.0
	60	•	•	•	•	•	•	•	14.0	4.5
	66	•	•	•	•	•	19.0	17.0	8.5	-
	72	•	•	•	•	17.5	14.0	11.5	-	-
	78	•	•	19.0	17.0	13.0	9.5	7.5	-	-
	84	16.0	15.0	13.0	12.0	8.5	5.5	-	-	-
	90	11.0	10.0	8.5	7.5	4.5	-	-	-	-
	96	7.0	6.0	5.0	-	-	-	-	-	-
	102	3.0 *	-	-	-	-	-	-	-	-

- Hook block weight to maximum 20 t permissible
- Erection is not permissible
- * For the maximum load and / or to spool out the hoist rope, a higher hook block weight is required. Erection must then be made via the auxiliary support. For the S-102, the 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.

LWIE/18150-21-02/en

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ISO DIN

SL	--
236ft	

097927 typ1: D=1 1/8"(28mm) *** 018 22.00

ft > < x 1000 lb		CODE >0121<	L181 0700
ft	236		
32	572.0		
34	567.0		
36	559.0		
38	535.0		
40	510.0		
45	444.0		
50	391.0		
55	347.0		
60	311.0		
65	280.0		
70	253.0		
75	228.0		
80	206.0		
85	187.0		
90	171.0		
95	157.0		
100	144.0		
105	133.0		
110	123.0		
115	115.0		
120	106.0		
125	99.0		
130	92.5		
135	86.5		
140	81.0		
150	70.5		
160	61.5		
170	53.4		
180	46.6		
190	40.5		
200	35.1		
210	30.2		
220	26.1		
230	22.5		
* n *	17		



ft/s 42

	SL	--	419,000 lbs	143,000 lbs	360°		
	236ft						

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