

BUCKNER

HEAVYLIFT CRANES

Contents	
Sheet	Description
001	Title Page
002	Build Sheet
003	Rod Plan
004	Counterweight Arrangement
005	Reeving Plan
006	Erection and Takedown
007	Load Chart

PROJECT:
LR1400 S2F2 77m+17m

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 1400\LR 1400 - S2F2 77m + 17.5m (253'
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003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

SHEET: 001 OF 007

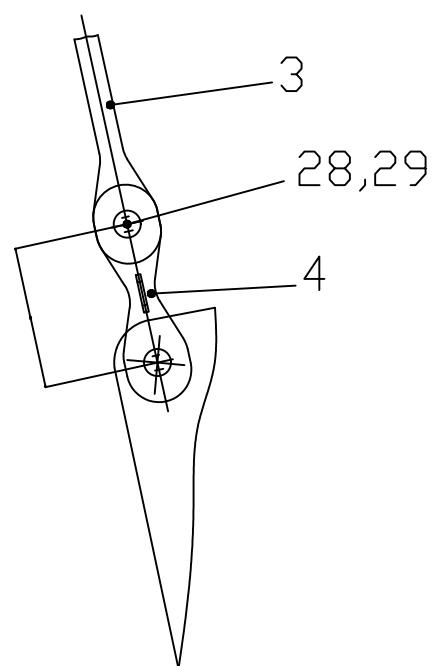


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LR1400 S2F2 77m+17m

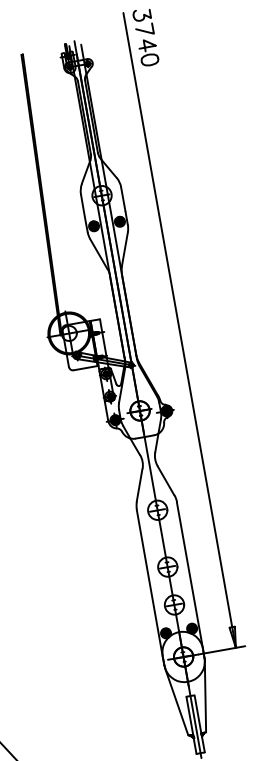
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DRAWING NOTES:
Build Sheet

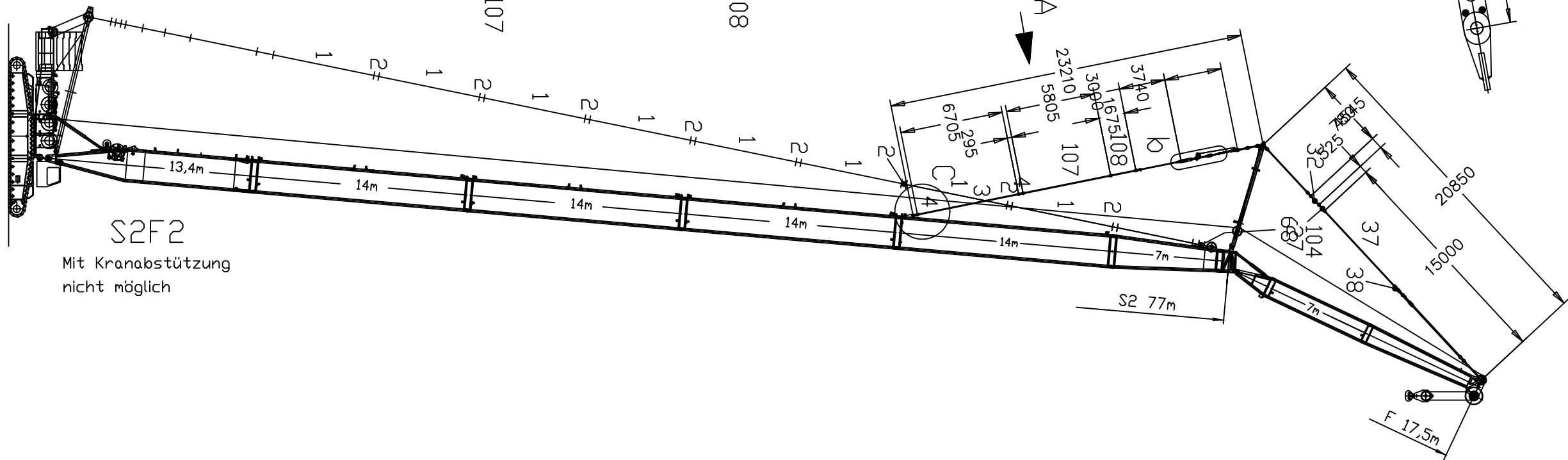
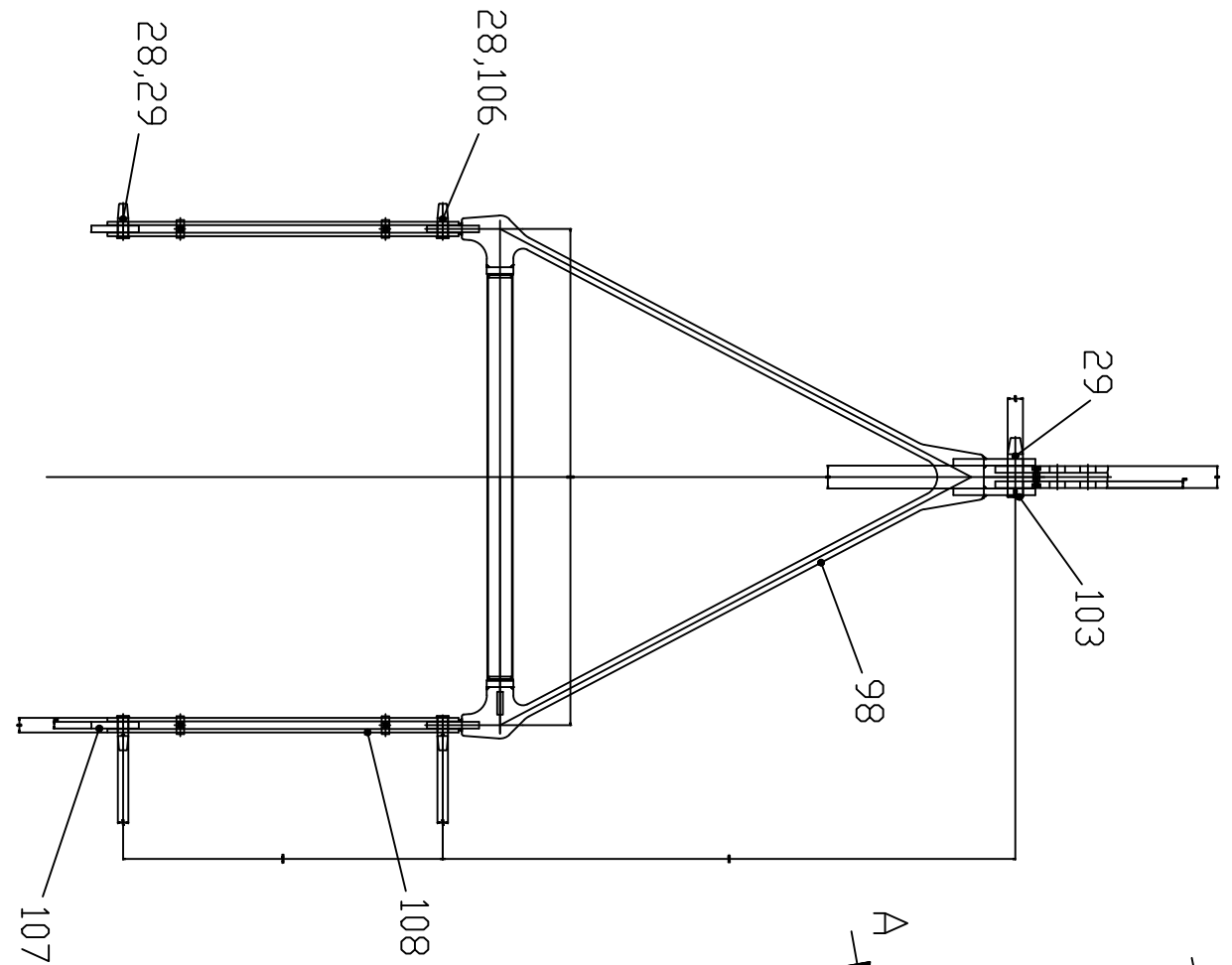
Einzelheit C
M 1:5



Einzelheit b
M 1:20



Ansicht A
1:20



S2F2
Mit Kranabstützung
nicht möglich

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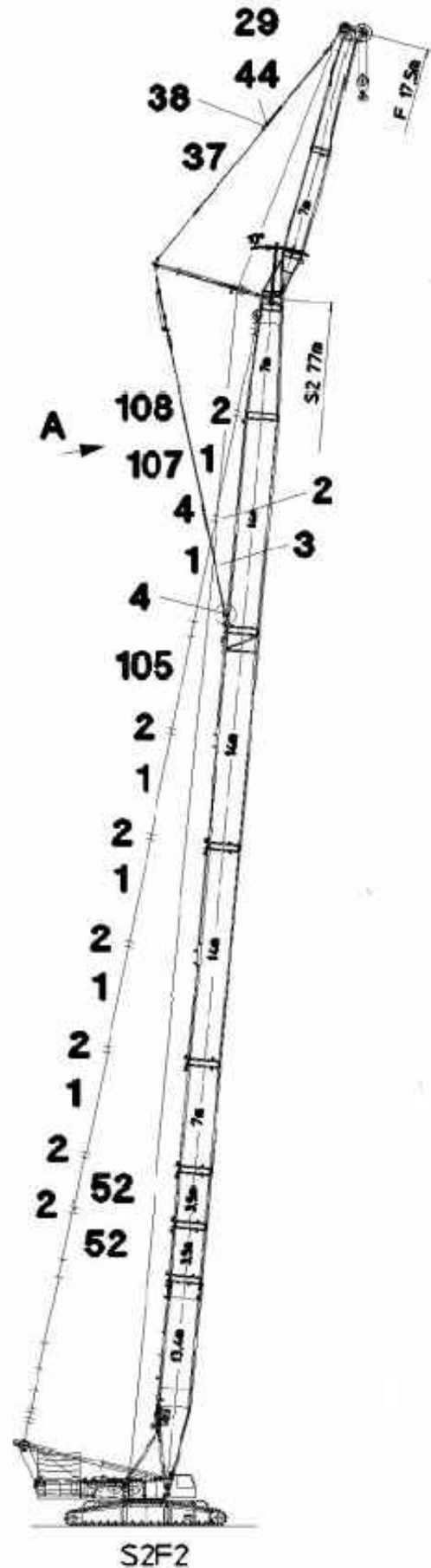
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004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

SHEET: 002 OF 007





Pos.	Item	Quantity	Description	Bezeichnung	Serie	K
1	96 34 978 08	30	ROD WITH BOARD	STANGE MIT SCHILD		
(1)	95 43 721 08	1	ROD 40X6896X174	STANGE		
(2)	97 35 676 08	1	PLATE IDENTIFICATION NUMBER IDENT-NR	SCHILD IDENTNR.		
2	92 51 733 08	38	BRACKET COMPL. 0.320M	LASCHE KPL.		
3	96 34 935 08	2	ROD	STANGE		
(1)	95 43 738 08	1	ROD 35X6886X139	STANGE		
(2)	97 35 676 08	1	PLATE IDENTIFICATION NUMBER IDENT-NR	SCHILD IDENTNR.		
4	92 51 730 08	4	BRACKET COMPL. 0.295M	LASCHE KPL.		
16	92 13 444 08	2	ROD CPL. 0.900M	STANGE KPL.		
25	95 43 835 08	82	PIN RD65X190 35NI	BOLZEN		
27	92 11 375 08	1	ROD CPL.	STANGE KPL.		
28	95 43 857 08	10	PIN RD55X170 35NI	BOLZEN		
29	43 31 050 08	101	RETAINING SPRING 6 A3C	SICHERUNGSFEDER		
32	92 11 296 08	1	ROD CPL.	STANGE KPL.		
			→ 3 560 101		92 11 296 08	
37	96 28 317 08	2	ROD CPL. 6.705M	STANGE KPL.		
			→ 3 655 306		96 28 317 08	
38	96 28 318 08	4	BRACKET COMPL. 0.295M	LASCHE KPL.		
			→ 3 655 308		96 28 318 08	
39	96 28 319 08	1	ROD CPL. 6.850M	STANGE KPL.		
			→ 3 655 307		96 28 319 08	
40	96 28 320 08	1	ROD CPL. 6.560M	STANGE KPL.		
			→ 3 655 305		96 28 320 08	
44	94 83 596 08	10	PIN RD54X235 35NICRMOV125	BOLZEN		
52	96 34 901 08	4	ROD WITH BOARD	STANGE MIT SCHILD		
(1)	95 46 778 08	1	ROD 40X3391X174	STANGE		
(2)	97 35 676 08	1	PLATE IDENTIFICATION NUMBER IDENT-NR	SCHILD IDENTNR.		
82	92 14 254 08	2	ROD WITH BOARD 1.380M	STANGE MIT SCHILD		
83	92 14 255 08	2	ROD CPL. 0.530M	STANGE KPL.		
98	92 11 252 08	1	CROSS-MEMBER	TRAVERSE SCHWK.		
103	97 00 790 08	1	PIN 85x310	BOLZEN		
104	92 11 373 08	2	ROD CPL.	STANGE KPL.		
105	96 30 043 08	2	ROD CPL. 6.08M	STANGE KPL.		
			→ 3 560 103		96 30 043 08	
106	43 30 103 08	2	SPLIT PIN DIN 94 10X80 ST VERZ.	SPLINT		
107	96 37 435 08	2	ROD WITH BOARD 5.805M	STANGE MIT SCHILD		
108	96 37 440 08	2	ROD CPL. 1.675M	STANGE KPL.		

12.3.2008	etk_en_de_074340 LR 1400/2	<input type="checkbox"/> 400 (4/4)
LIEBHERR	RODS / PULL RODS STANGEN	→ 3 561 91 52 552 08

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DRAWING NOTES:
Rod Plan

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005	----	----
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SHEET: 003 OF 007



PROJECT:
LR1400 S2F2 77m+17m

LOCATION: -----

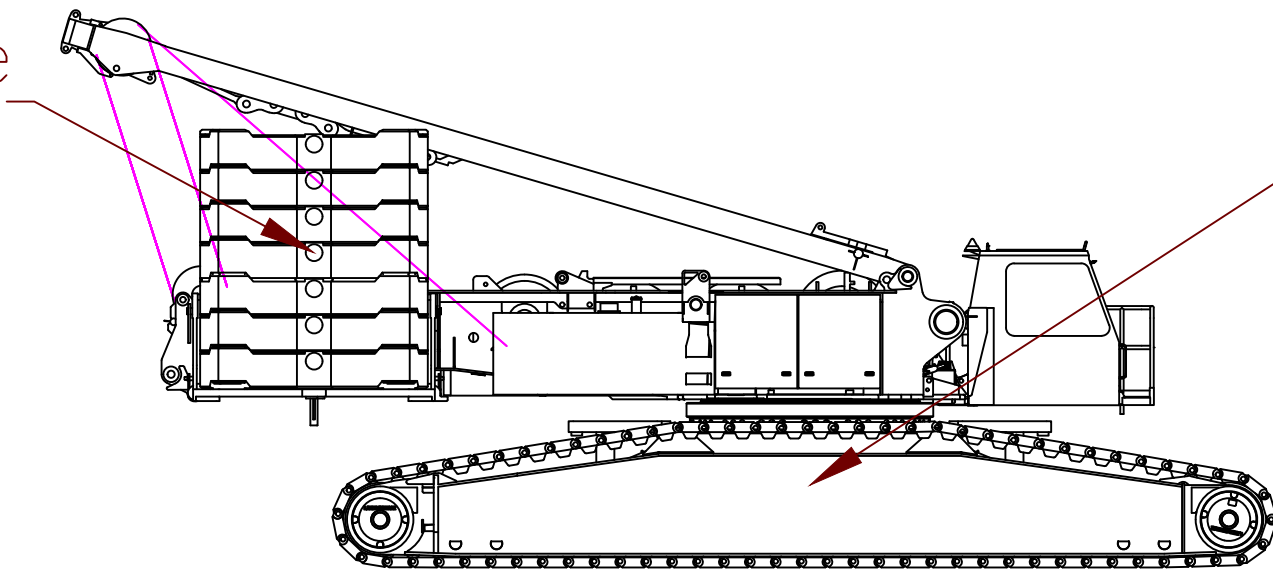
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LIFT PLAN BY: Dan Ives, PE
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DRAWING NOTES:
Counterweight Arrangement

Superstructure
155 tonnes

Carbody
43 tonnes



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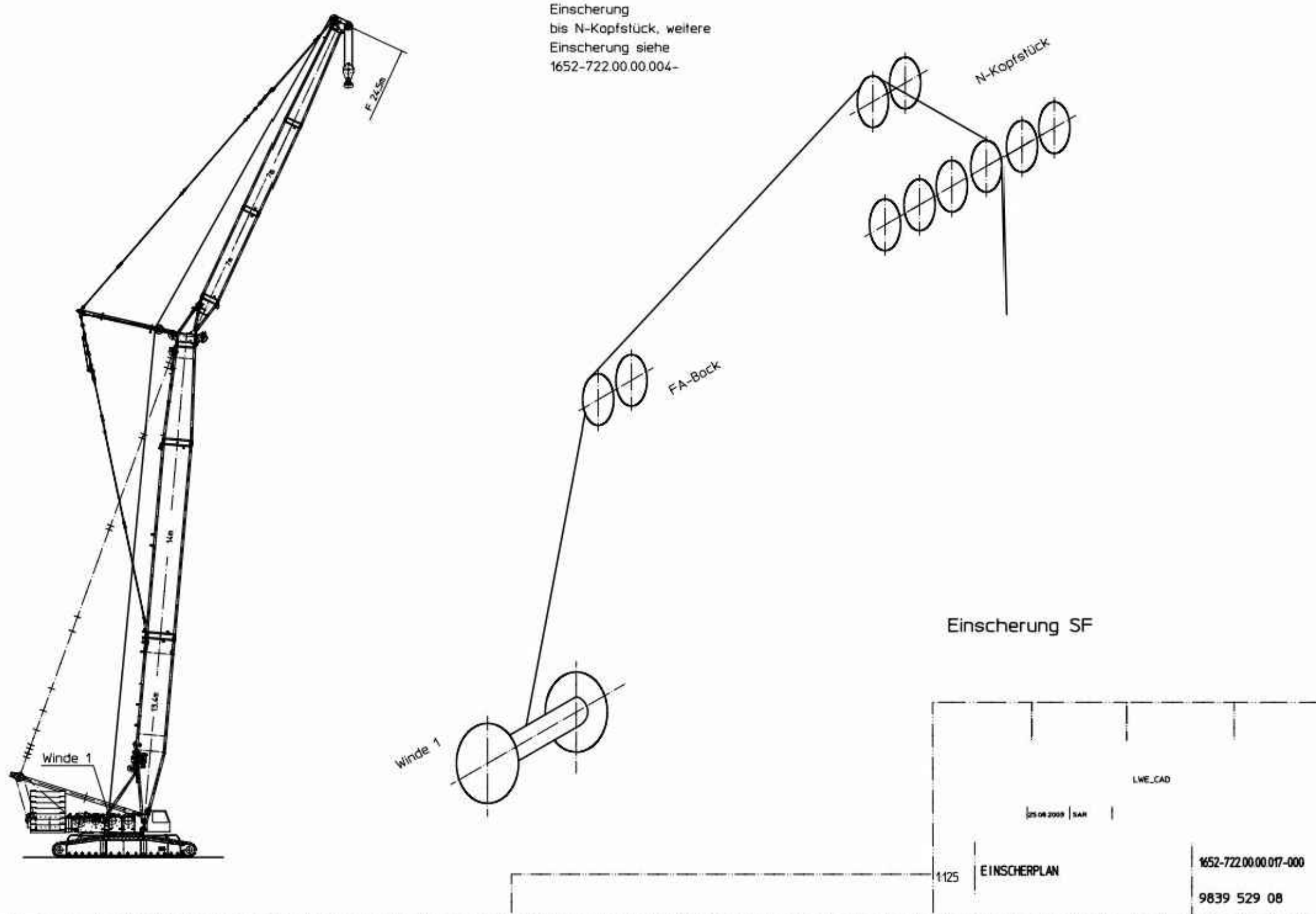
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005	----	----
006	----	----
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008	----	----
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010	----	----

SHEET: 004 OF 007





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DRAWING NOTES:
Reeving Plan

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004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

SHEET: 005 OF 007



RAISING - AND LOWERING CHARTS

SF2 / S2F2 - Operation (on crawlers 7,80 m x 7,5 m x 1,2 m)
erection, take down **to the side**
with auxiliary support (support point 7,0 m)
without hook block on S-boom

TAB: 14700043
System S 2620.20
N / F 1812.10
Page 1 of 2

Operating mode	Main boom S (m)	Fixed jib F (m)	Permissible weight of hook block (in t) for Slewing platform / central ballast		
			[t]		
			155 / 43	135 / 43	95 / 43
S2F2_10 ³ S2F2_20 ³	35	10,5	5,2	5,2	5,2
		17,5	5,2	5,2	5,2
		24,5	5,2	5,2	5,2
		31,5	5,2	5,2	5,2
	42	10,5	5,2	5,2	5,2
		17,5	5,2	5,2	5,2
		24,5	5,2	5,2	5,2
		31,5	5,2	5,2	5,2
	49	10,5	5,2	5,2	5,2
		17,5	5,2	5,2	5,2
		24,5	5,2	5,2	5,2
		31,5	5,2	5,2	4,4
52,5	10,5	5,2	5,2	5,2	
	17,5	5,2	5,2	5,2	
	24,5	5,2	5,2	4,4	
	31,5	5,2	5,2	2,9	
56	10,5	5,2	5,2	5,2	
	17,5	5,2	5,2	4,4	
	24,5	5,2	5,2	2,6	
	31,5	4,4	4,4	--	
59,5	10,5	5,2	5,2	3,6	
	17,5	5,2	5,2	2,1	
	24,5	4,4	4,4	--	
	31,5	4,4	4,4	--	
38,5	2,9	2,9	--	--	

RAISING - AND LOWERING CHARTS

SF2 / S2F2 - Operation (on crawlers 7,80 m x 7,5 m x 1,2 m)
erection, take down **to the side**
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TAB: 14700043
System S 2620.20
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Page 2 of 2

Operating mode	Main boom S (m)	Fixed jib F (m)	Permissible weight of hook block (in t) for Slewing platform / central ballast		
			[t]		
			155 / 43	135 / 43	95 / 43
S2F2_10 ³ S2F2_20 ³	63	10,5	5,2	5,2	5,2
		17,5	5,2	5,2	5,2
		24,5	5,2	5,2	5,2
		31,5	5,2	5,2	5,2
	66,5	10,5	4,4	4,4	--
		17,5	4,4	4,4	--
		24,5	2,9	2,6	--
		31,5	2,1	1,0	--
	S 2 66,5	38,5	1,0 *	--	--
		70	10,5	4,4	3,6
	17,5		2,1	2,1	--
	24,5		1,0	1,0	--
S 2 70	31,5	1,0 *	--	--	
	73,5	10,5	2,1	2,1	--
17,5		1,0	--	--	
S 2 73,5	24,5	1,0 *	--	--	
	77	10,5	1,0	--	--
S 2 77		17,5	1,0 *	--	--

Note: For a given hook block weight of 1.0 t, the hook block must be carried along the ground on a suitable device. The angle range for carrying it is between 0° and 25°. Outside of the load charts, the own weight of the hook block must be reduced to at least 2.1t (all weight plates must be removed). The boom system may only be loaded with the hook block at max. 1.0 t.

CAUTION: Erection of the boom versions marked with "*" is only possible by using the main boom head without pulley set. The S - intermediate section for "flying installation" may not be used in this case.

DANGER: For erection via the auxiliary support, the component rigidity can be exceeded before reaching the stability point, which can cause failure of the boom system.

The given limit weights for the hook block must therefore strictly adhered to. If necessary, the weight plates of the hook block required for operation in the area of the load chart must be installed or removed.

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DRAWING NOTES:
Erection and Takedown

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008	----	----
009	----	----
010	----	----

SHEET: 006 OF 007



