

BUCKNER

HEAVYLIFT CRANES

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001	Title Page
002	Build Sheet
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005	Hook Block
006	Reeving Plan
007	Erection and Takedown
008	Load Chart

PROJECT:
LR11000 SLF 78m+12m

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 11000\LR 11000 - SLF 78m + 12m (256'

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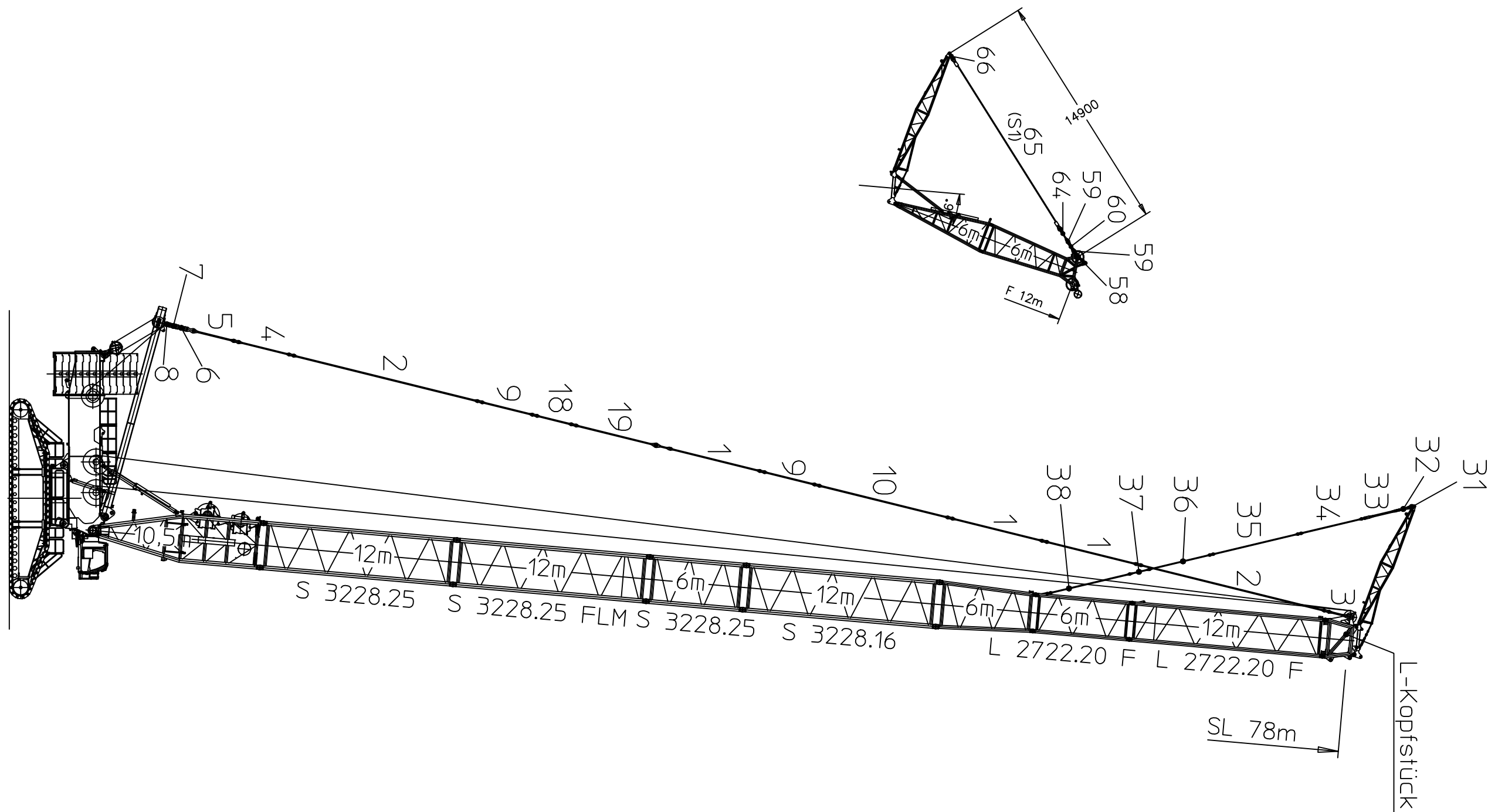
Revisions

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Build Sheet

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Pos. Item	Description		Page
1 967746908	ROD CPL.	6M	
2 967743808	ROD CPL.	12 M	
3 967913408	ROD CPL.	1.35 M	
4 967981008	PULL ROD	3.525M	
5 967846208	PULL ROD	3.3M	
6 917368808	MEASURING PLATE	3000 KN	19
7 967846608	PULL TAB WITH SIGN	0.4M	
8 967845508	DRAW SHACKLE	0.7M	
9 967897608	PULL ROD	3.5M	
10 967898308	PULL ROD	8.5 M	
18 968190108	PULL ROD	2.5M	
19 968190208	PULL ROD	6.005M	
31 968691108	BRACKET COMPL.		
32 968691308	ROCKER WELDED		
33 968691508	ROCKER WELDED		
34 968691608	PULL ROD	4.05 M	
35 968446808	PULL ROD	5.6 M	
36 968460108	PULL ROD	4.05M	
37 968643708	BRACKET COMPL.	1.25 M	
38 968459808	PULL ROD	5.25 M	
39 968642008	PULL ROD	5.75M	
41 968768408	BRACKET COMPL.		
44 968768308	CROSS CONNECTING LINK WELDED		
45 97047031	CHAIN	1507	
47 968766608	CROSS SHACKLE CPL.		
48 968766808	BRACKET COMPL.		
49 97047327	ADDITIONAL GUY ROPE	40MM 2.24M	
1000 98009209	RODS/ PULL RODS LR 11000	F. SLF	

Pos. Item	Description		Page
58 968724508	BRACKET COMPL.		
59 968828308	CONNECTING LINK PRE-ASS.		
60 917574408	MEASURING PLATE	800 KN	25
61 97067610	FIBRE TENSIONING ROPE	48X10.75M	
62 97067609	FIBRE TENSIONING ROPE	48X5.25M	
63 968828908	PULL ROD	2.65 M	
64 968829408	PULL ROD	0.8 M	
65 97067602	FIBRE TENSIONING ROPE	48X12.45M	
66 968691208	BRACKET COMPL.		
75 96001458	BRACKET COMPL.		
1000 98009396	RODS/ PULL RODS LR 11000	F. F	

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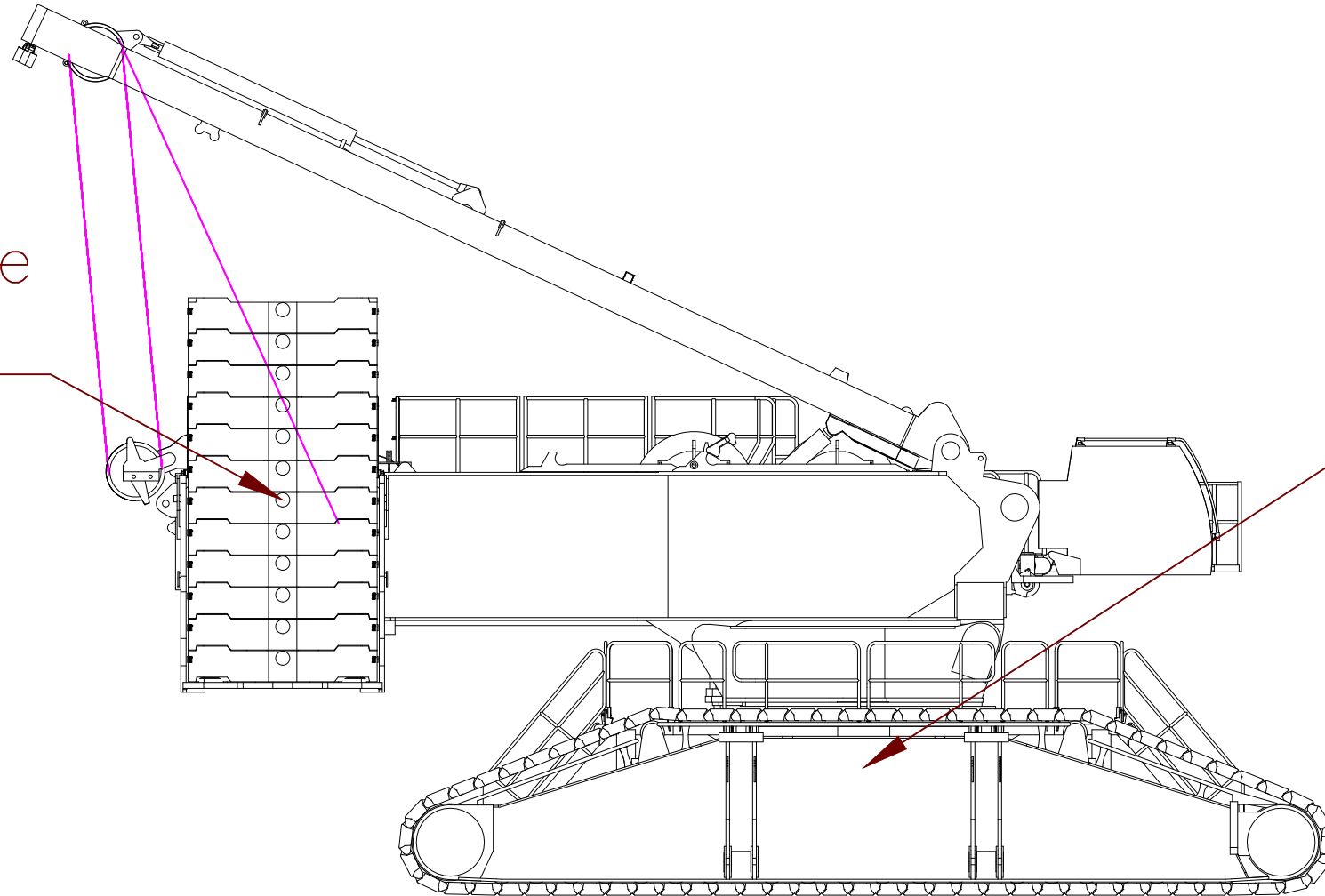
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SHEET: 003 OF 008



Superstructure
250 tonnes
24 slabs
10 ton each



Carbody
90 tonnes
8 slabs
10 ton each

PROJECT:
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LOCATION: -----
BUCKNER CONTACT: Dan Ives, PE
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DRAWING NOTES:
Counterweight Arrangement

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Hook block with installed auxiliary weights	Net weight	
2 auxiliary weights	4.5 t	9920 lb
4 auxiliary weights	6.5 t	14330 lb
6 auxiliary weights	8.5 t ¹⁾	18740 lb ¹⁾

Auxiliary weights

1) Maximum permissible net weight of the hook block.

1.5 Hook block 250 DM (SWL 250 t (551250 lb))

Load	Rope pulleys	Maximum reeving	Net weight without auxiliary weight	
242.9 t	535600 lb	5	11	3.0 t / 6620 lb

Hook block 250 DM

Hook block with installed auxiliary weights	Net weight	
2 auxiliary weights	5.0 t	11030 lb
4 auxiliary weights	7.0 t	15440 lb
6 auxiliary weights	9.0 t	19850 lb
8 auxiliary weights	11.0 t ¹⁾	24260 lb ¹⁾

Auxiliary weights

1) Maximum permissible net weight of the hook block.

1.6 Double hook block 320 / 160 DM (SWL 160 t (352800 lb))

Load	Rope pulleys	Maximum reeving	Net weight without auxiliary weight	
157.7 t	347600 lb	3	7	3.4 t / 7500 lb

Double hook block 320 / 160 DM

Hook block with installed auxiliary weights	Net weight	
2 auxiliary weights	5.4 t	11910 lb
4 auxiliary weights	7.4 t	16320 lb
6 auxiliary weights	9.4 t	20730 lb
8 auxiliary weights	11.4 t ¹⁾	25140 lb ¹⁾

Auxiliary weights

1) Maximum permissible net weight of the hook block.

1.7 Double hook block 650 / 325 DMZ (SWL 325 t (716630 lb))

There are two versions of this double hook block. Both versions differ in shape and net weight.

LWE/423501-18-02/en

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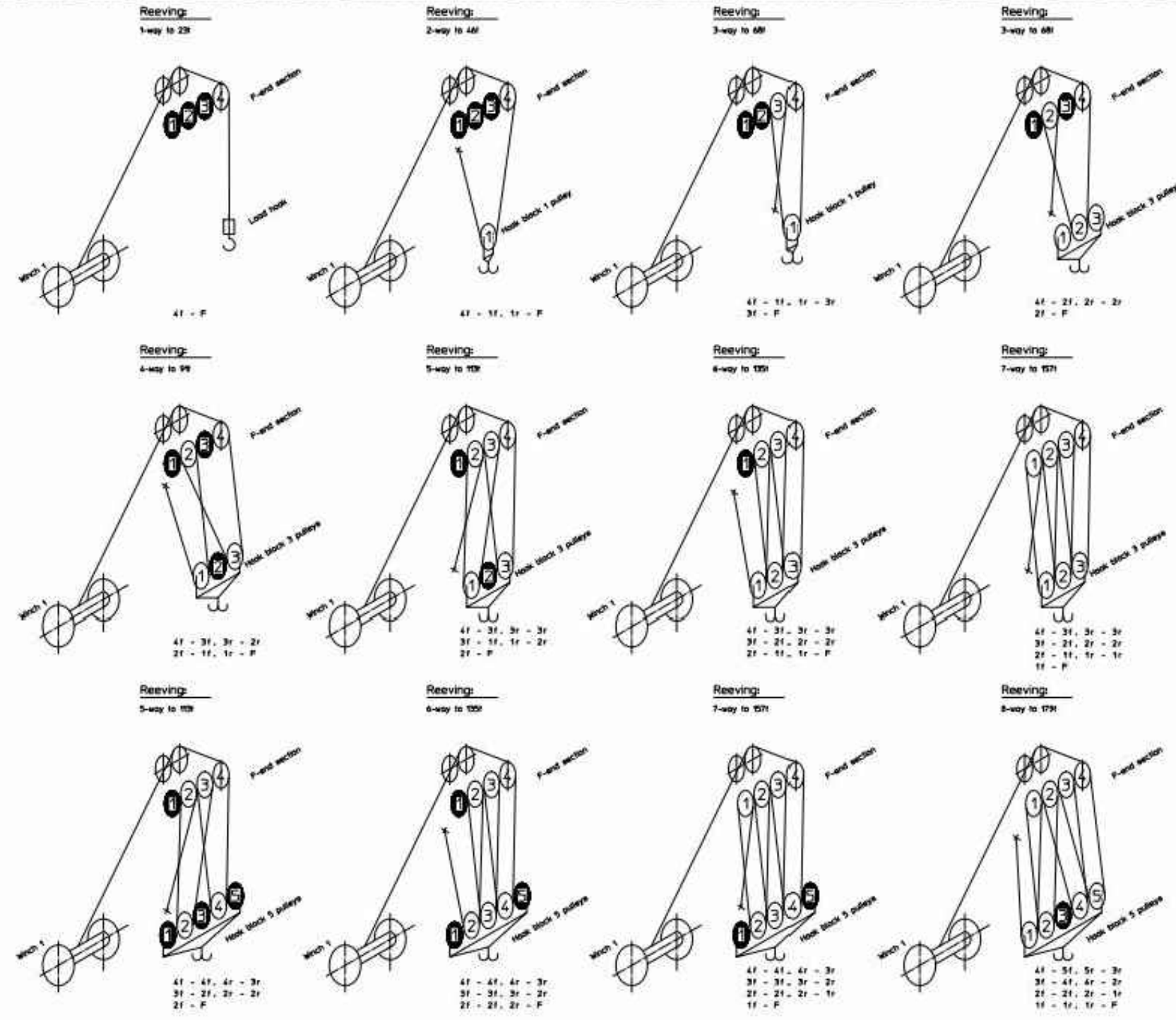
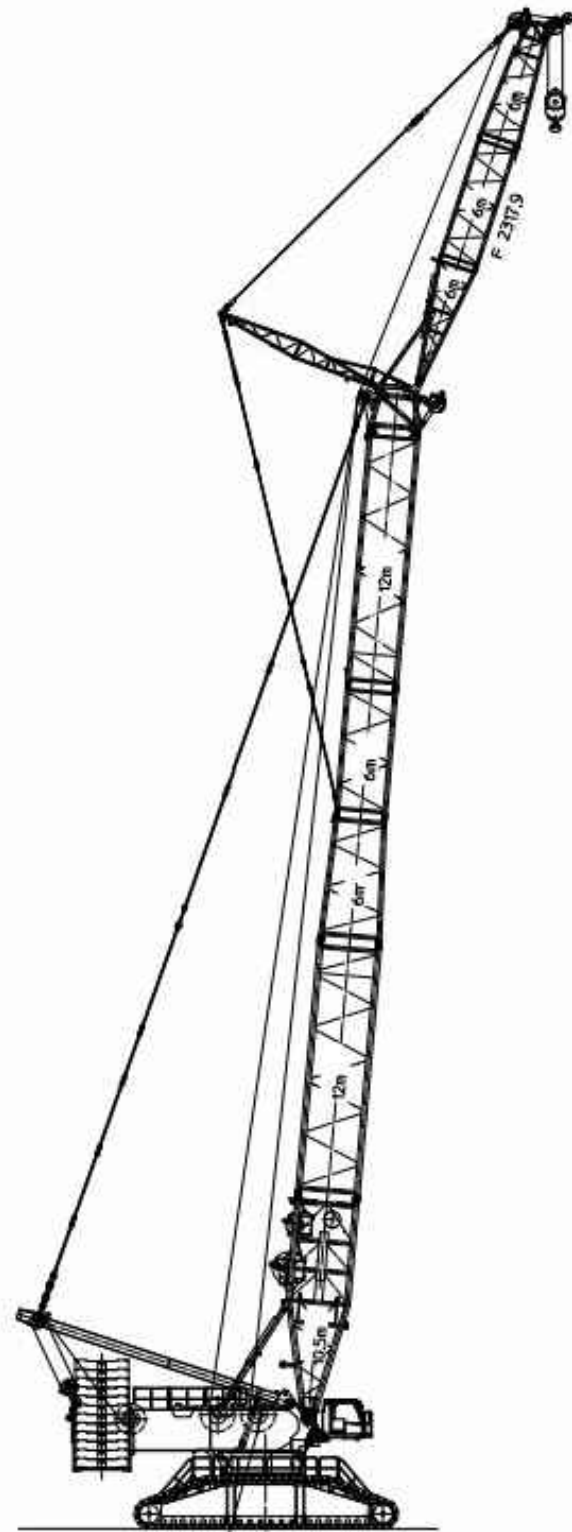
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Hook Block

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For the US, restricted load capacities apply for the following reeving.

1-way to 21t	5-way to 105t
2-way to 42t	6-way to 126t
3-way to 63t	7-way to 147t
4-way to 84t	8-way to 168t

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

Reeving F-end section with load hook
 Hook block 1 pulley
 Hook block 3 pulleys
 Hook block 5 pulleys

Project No.	1100	Revision	006
Project Name	REEVING PLAN	Revision	006
Section	F-END SECTION	Scale	1:1
Author		Checked	
Drawn		Approved	
Project Manager		Client	
Client Name		Client Address	
Client Phone		Client Email	
Client Fax		Client Website	
Client Logo			

PROJECT: LR11000 SLF 78m+12m

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DRAWING NOTES:
 Reeving Plan

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**SLF-operation, without / with auxiliary support
L-end section without pulley set**

aat_235_016_00001_00_003
Page: 1 by 12

On crawlers 9.6m x 9.2m x 1.5m
Wind: maximum 9m/s
Ground gradient: maximum 0.3°

System: S 3228.40/25/20/16
L 2722.20
F 2317.8.8

Operation with boom nose: The operation with boom nose is possible from a „permissible weight of hook block on main boom“ of 3.5t. In that case, 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 (1t) (incl. hoist rope).

SL with F12 without auxiliary support	Permissible weight [t] of hook block on F-boom													
	for turntable / central ballast [t]													
	250 / 90	230 / 90	210 / 90	190 / 90	250 / 50	230 / 50	210 / 50	190 / 50	170 / 50	150 / 50	170 / 10	150 / 10	130 / 10	110 / 10
SL-36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SL-42	*	*	*	*	*	*	*	*	*	*	*	*	*	18
SL-48	*	*	*	*	*	*	*	*	*	*	*	18	14	10
SL-54	*	*	*	*	*	*	*	16	13	14	10	7.1	3.5	
SL-60	*	*	18	15	*	19	16	13	9.7	6.5	7.2	4	-	
SL-66	16	13	10	7.9	14	11	8.6	5.7	2.6	-	-	-	-	
SL-72	11	8.5	5.7	2.9	9.1	6.3	3.6	1.1*	-	-	-	-	-	
SL-78	4.3	1.7*	-	-	2.3*	-	-	-	-	-	-	-	-	
SL-84	-	-	-	-	-	-	-	-	-	-	-	-	-	
SL-90	-	-	-	-	-	-	-	-	-	-	-	-	-	
SL-96	-	-	-	-	-	-	-	-	-	-	-	-	-	
SL-102	-	-	-	-	-	-	-	-	-	-	-	-	-	
SL-108	-	-	-	-	-	-	-	-	-	-	-	-	-	

- Hook block weight to 20t permissible
- Erection not permissible
- * For the maximum load capacity and / or for spooling out the hoist rope a higher hook block weight is required. For that reason, 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.

LWE/23550-16-02/en

**SLF-operation, without / with auxiliary support
L-end section without pulley set**

aat_235_016_00001_00_003
Page: 7 by 12

On crawlers 9.6m x 9.2m x 1.5m
Wind: maximum 9m/s
Ground gradient: maximum 0.3°

System: S 3228.40/25/20/16
L 2722.20
F 2317.8.8

Operation with boom nose: The operation with boom nose is possible from a „permissible weight of hook block on main boom“ of 3.5t. In that case, 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 (1t) (incl. hoist rope).

SL with F12 with auxiliary support (to the side)	Permissible weight [t] of hook block on F-boom													
	for turntable / central ballast [t]													
	250 / 90	230 / 90	210 / 90	190 / 90	250 / 50	230 / 50	210 / 50	190 / 50	170 / 50	150 / 50	170 / 10	150 / 10	130 / 10	110 / 10
SL-36	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SL-42	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SL-48	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SL-54	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SL-60	*	*	*	*	*	*	*	*	*	*	*	*	*	*
SL-66	*	*	*	*	*	*	*	*	*	*	*	*	18	14
SL-72	*	*	*	*	*	*	*	*	*	*	*	16	12	8.4
SL-78	*	*	*	*	*	*	*	19	16	12	12	8.8	5.2	1.7*
SL-84	*	*	*	17	*	*	16	13	10	6.8	6.6	3.2	-	-
SL-90	19	18	14	11	17	14	11	8.5	5.3	2.2*	2.0*	-	-	-
SL-96	13	12	9.3	6.3	12	9.1	6.1	3.2	-	-	-	-	-	-
SL-102	8.6	7.6	4.9	2.1*	7.5	4.7	1.9*	-	-	-	-	-	-	-
SL-108	3.4	2.5	-	-	2.4*	-	-	-	-	-	-	-	-	-

- Hook block weight to 20t permissible
- Erection not permissible
- * For the maximum load capacity and / or for spooling out the hoist rope a higher hook block weight is required. For that reason, 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.

LWE/23550-16-02/en

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Erection and Takedown

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