

BUCKNER

HEAVYLIFT CRANES

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PROJECT:
LR11000 SL8F2 108m+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 - SL8F2 108m + 12m
CREATED: (354' + 39') - 10 Deg - 1.10.2025 10:39:03 AM
EDITING TIME: 1h42m FILE SIZE: 5920.25Kb
PAPER SIZE: ANSI B (17.00 x 11.00 Inches)
SAVED: 01.03.2025 @ 10:39:03 AM
PLOTTED: 01.03.2025 @ 10:39:06 AM

Revisions		
All Sheets Same Revision Level		
Rev.	Date	Description
000	01.23.2020	Preliminary Planning & Initial Layout
001	01.03.2025	Revised
002	----	----
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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: 1h42m FILE SIZE: 5920.25Kb
PAPER SIZE: ANSI B (17.00 x 11.00 Inches)
SAVED: 01.03.2025 @ 10:39:03 AM
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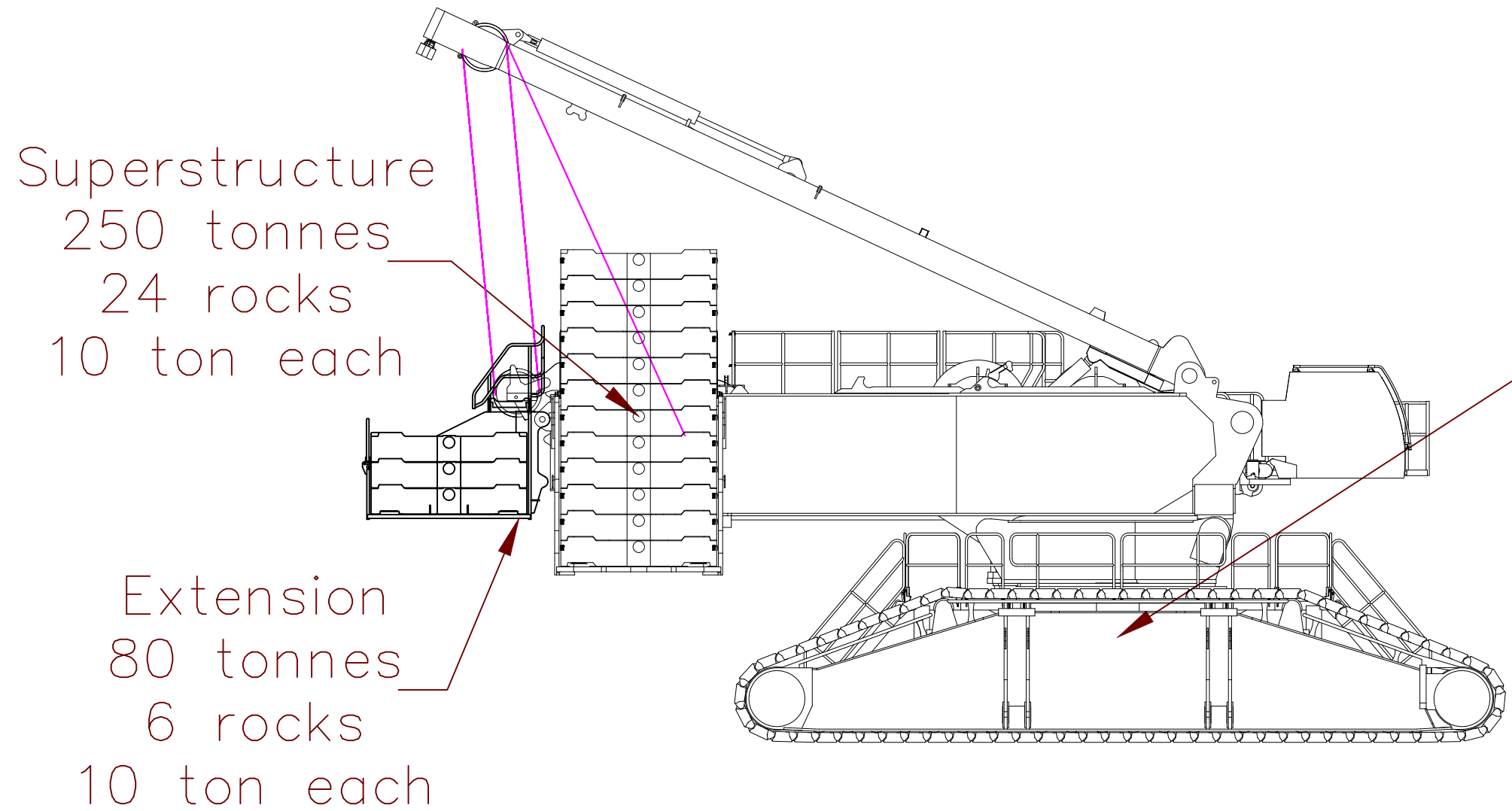
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PROJECT:
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DRAWING NOTES:
Counterweight Arrangement

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EDITING TIME: 1h42m FILE SIZE: 5920.25Kb

PAPER SIZE: ANSI B (17.00 x 11.00 Inches)

SAVED: 01.03.2025 @ 10:39:03 AM

PLOTTED: 01.03.2025 @ 10:39:07 AM

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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	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	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.

1.7.1 Version 1

Load	Rope pulleys	Maximum reeving	Net weight without auxiliary weight	
324.8 t	716100 lb	7	10.0 t	22050 lb

Double hook block 650 / 325 DMZ

Hook block with installed auxiliary weights	Net weight	
2 auxiliary weights	12.0 t	26460 lb
4 auxiliary weights	14.0 t	30870 lb
6 auxiliary weights	16.0 t	35280 lb
8 auxiliary weights	18.0 t ¹⁾	39690 lb ¹⁾

Auxiliary weights

1) Maximum permissible net weight of the hook block.

1.7.2 Version 2

Load	Rope pulleys	Maximum reeving	Net weight without auxiliary weight	
324.8 t	716100 lb	7	8.9 t	19620 lb

Double hook block 650 / 325 DMZ

Hook block with installed auxiliary weights	Net weight	
2 auxiliary weights	10.9 t	24030 lb
4 auxiliary weights	12.9 t	28440 lb
6 auxiliary weights	14.9 t	32850 lb
8 auxiliary weights	16.9 t ¹⁾	37260 lb ¹⁾

Auxiliary weights

1) Maximum permissible net weight of the hook block.

1.8 Double hook block 800 / 400 DMZ (SWL 400 t (882000 lb))

Load	Rope pulleys	Maximum reeving	Net weight without auxiliary weight	
400.0 t	882000 lb	9	12.0 t	26460 lb

Double hook block 800 / 400 DMZ

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Hook Block

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**SL8F2-operation, with 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 F2-12 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	•	•	•	•	•	•	•	16
SL8-90	•		•	•	•	17	14	13	10	7.6	4.5
SL8-96	15		14	14	12	10	7.3	7.1	4.2	-	-
SL8-102	10		8.1	8.1	7	4.6	-	-	-	-	-
SL8-108	3.9		-	-	-	-	-	-	-	-	-

- 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/23550-10-02/en

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PLOTTED: 01.03.2025 @ 10:39:10 AM

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