



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

PROJECT:
LR1500 SL9 78m

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\OneDrive - Buckner Heavylift
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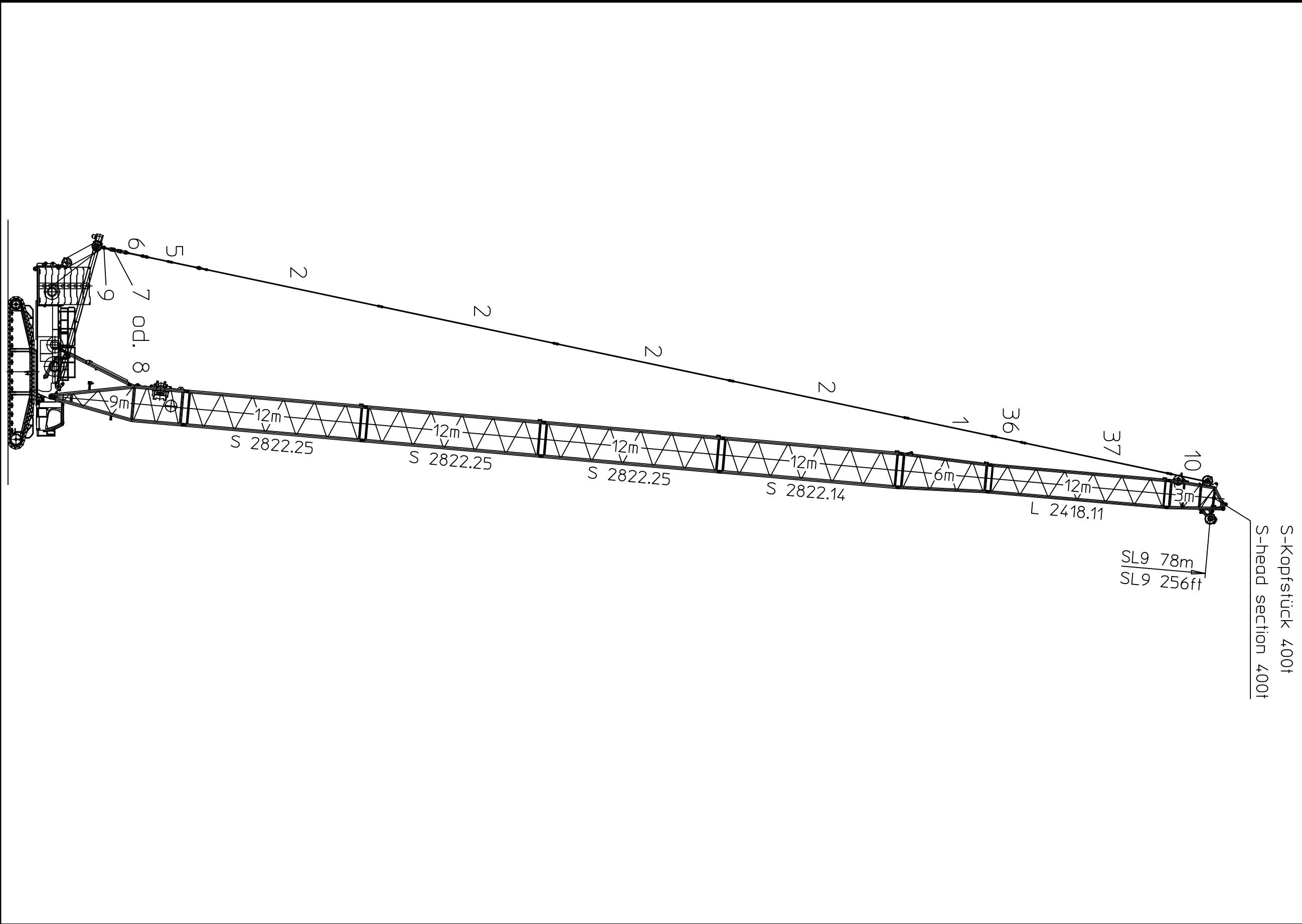
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002	----	----
003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

SHEET: 001 OF 008



PROJECT:
LR1500 SL9 78m

LOCATION: -----

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

LIFT PLAN BY: Dan Ives, PE
Dani@BucknerCompanies.com

DRAWING NOTES:
Build Sheet

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002	----	----
003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

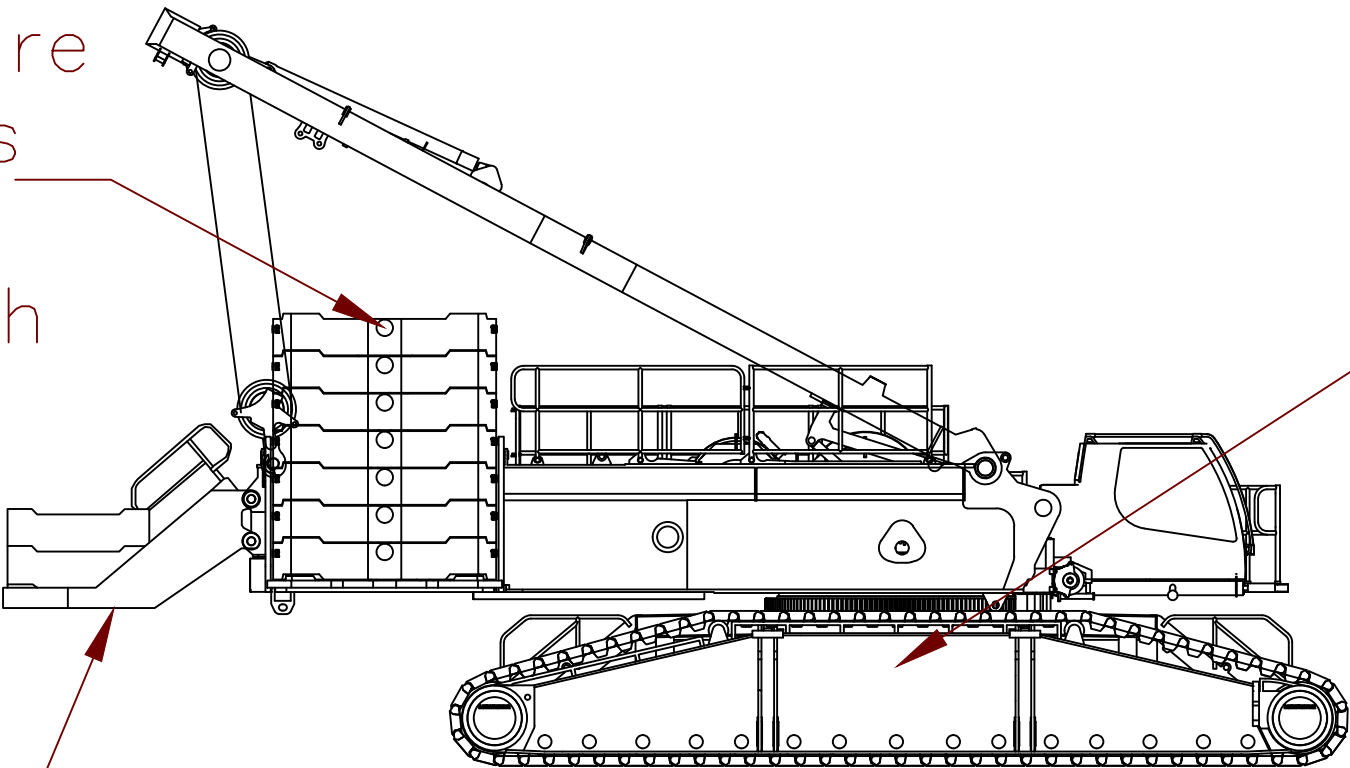
SHEET: 002 OF 008

BUCKNER
HEAVYLIFT CRANES

S-Kopfstück 400t
S-head section 400t

Superstructure
150 tonnes
14 rocks
10 ton each

Extension
27 tonnes
2 rocks
10 ton each



Carbody
40 tonnes

PROJECT:
LR1500 SL9 78m
LOCATION: -----
BUCKNER CONTACT: Dan Ives, PE
Dani@BucknerHeavylift.com
LIFT PLAN BY: Dan Ives, PE
Dani@BucknerHeavylift.com

DRAWING NOTES:
Counterweight Configuration

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002	----	----
003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

SHEET: 004 OF 008



SL9 – operation, without / with auxiliary support

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SL9: S-end section with roller set 400t

Page: 1 of 2

On crawlers 7.9m x 7.6m x 1.5m
Wind: maximum 11.1m/s
Ground slope: maximum 0.3°

System: S 2822.14/11/8
L 2418.11

Operation with boom nose:

The operation with boom nose is possible from a "permissible weight of hook block on main boom" of 2t. 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 (0.5t) (incl. hoist rope).

SL9 Without auxiliary support		Permissible weight [t] of hook block on main boom			
		for superstructure / superstructure extension / central ballast [t]			
		130 / 0 / 40	150 / 0 / 40	150 / 27 / 40	170 / 0 / 40
Main boom length [m]	72	2.8	5.3	10	7.9
	75	0.9	3.3	7.8	5.8
	78	-	1.9	6.2	4.3
	81	-	-	4.2	2.4
	84	-	-	2.7	0.9
	87	-	-	0.9	-
	90	-	-	-	-
	93	-	-	-	-
	96	-	-	-	-
	99	-	-	-	-
	102	-	-	-	-

- Hook block weight to 15t 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.

SL9 – operation, without / with auxiliary support

aat_252_064_00001_00_000

SL9: S-end section with roller set 400t

Page: 2 of 2

On crawlers 7.9m x 7.6m x 1.5m
Wind: maximum 11.1m/s
Ground slope: maximum 0.3°

System: S 2822.14/11/8
L 2418.11

Operation with boom nose:

The operation with boom nose is possible from a "permissible weight of hook block on main boom" of 2t. 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 (0.5t) (incl. hoist rope).

SL9 With auxiliary support (to the side)		Permissible weight [t] of hook block on main boom			
		for superstructure / superstructure extension / central ballast [t]			
		130 / 0 / 40	150 / 0 / 40	150 / 27 / 40	170 / 0 / 40
Main boom length [m]	72	•	•	•	•
	75	14	•	•	•
	78	13	14	•	•
	81	10	12	13	13
	84	9.1	10	11	11
	87	7.0	8.5	9.3	9.3
	90	5.5	6.8	7.8	7.8
	93	3.5	4.9	5.9	5.9
	96	2.6	3.9	4.8	4.9
	99	0.8	2.1	3.1	3.1
	102	-	0.7	1.7	1.8

- Hook block weight to 15t 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.

PROJECT:

LR1500 SL9 78m

LOCATION: ----

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

LIFT PLAN BY: Dan Ives, PE
Dani@BucknerCompanies.com

DRAWING NOTES:

Erection and Takedown

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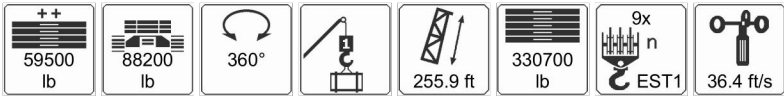
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002	----	----
003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

SHEET: 006 OF 008



EN 13000
074432



401

[illegible]

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9714 / 9733

1 (1)

PROJECT: LR1500 SL9 78m

LOCATION: _____

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

LIFT PLAN BY: Dan Ives, PE
Dani@BucknerCompanies.com

DRAWING NOTES:
Load Chart

FILE: C:\Buckner\OneDrive - Buckner Heavylift
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002	----	----
003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

SHEET: 007 OF 008



LICCON Work Planner

END>?<

R2

[ft][lb]

ABC

LR 1500 000000/0000

CODE >064.02003<

401

1.0

0.0°

0.0°

ft 119.1

psi

906300 lb
x = -0.009
y = 0.037
z = 24.493

ft

25

27ft x 4.9ft

27ft x 4.9ft

25

B

25ft x 27ft

A

V 6.19

x1000lb

(max)

52.064.02003

EN 13000

[ft]

[lb]

SL9 :

SL9-256ftR13

W1

7x

12200lb

++

59500 lb

25.9 x 24.9ft

88200 lb

360°

n1=7

12.2

68.2

ft

59.9°

137.7

ft

228.6

0.0°

PROJECT:

LR1500 SL9 78m

LOCATION:

BUCKNER CONTACT:

Dan Ives, PE
Dani@BucknerCompanies.com

LIFT PLAN BY:

Dan Ives, PE
Dani@BucknerCompanies.com

DRAWING NOTES:

Balanced Boom

FILE:

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002	----	----
003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

SHEET: 008 OF 008