

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
008	Balanced Boom

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:\Dropbox\Drawings\BHL\Buckner\Build Sheets\LR
11000\LR 11000 - SL8F2 108m + 12m (354' + 39')
- 130t + 250t + 80t.dwg

CREATED: 01.23.2020 @ 9:15:05 AM

EDITING TIME: 1h37m FILE SIZE: 5929.08Kb

PAPER SIZE: ANSI B (17.00 x 11.00 Inches)

SAVED: 01.23.2020 @ 10:06:37 AM

PLOTTED: 01.23.2020 @ 10:06:41 AM

Revisions

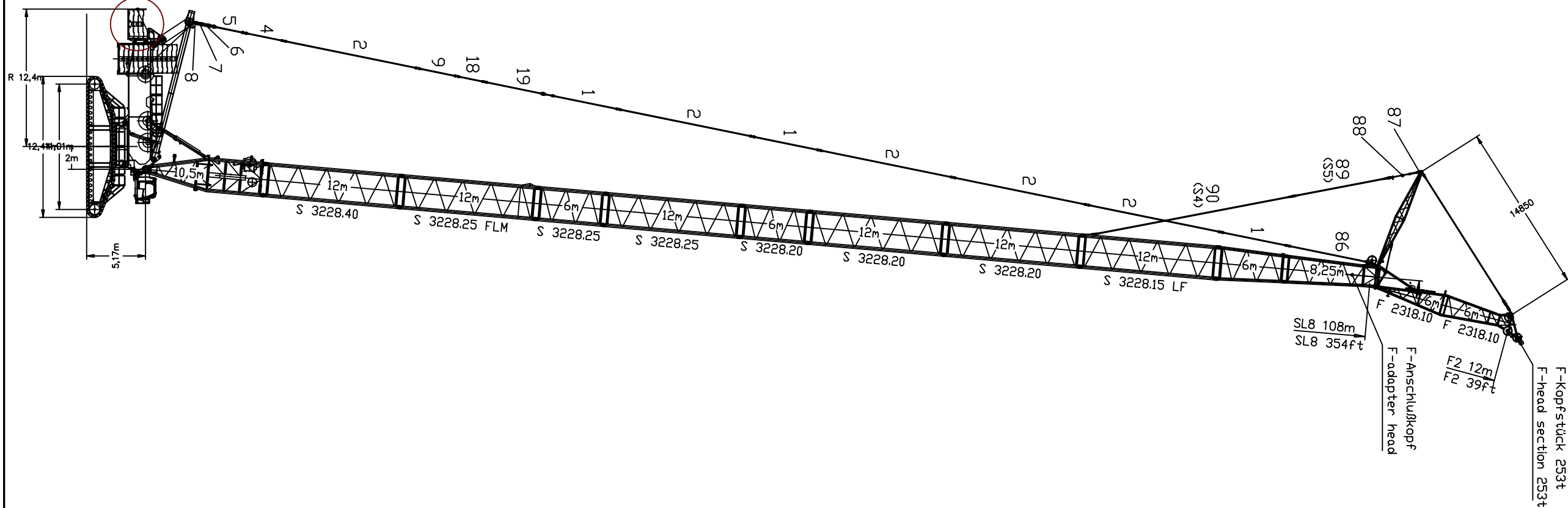
All Sheets Same Revision Level

Rev.	Date	Description
000	01.23.2020	Preliminary Planning & Initial Layout
001	----	----
002	----	----
003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

SHEET: 001 OF 008



Counterweight extension **REQUIRED**



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:
Build Sheet

FILE: C:\Dropbox\Drawings\BHL\Buckner\Build Sheets\LR 11000\LR 11000 - SL8F2 108m + 12m (354' + 39') - 130t + 250t + 80t.dwg
CREATED: 01.23.2020 @ 9:15:05 AM
EDITING TIME: 1h37m FILE SIZE: 5929.08Kb
PAPER SIZE: ANSI B (17.00 x 11.00 Inches)
SAVED: 01.23.2020 @ 10:06:37 AM
PLOTTED: 01.23.2020 @ 10:06:42 AM

Revisions

All Sheets Same Revision Level

Rev.	Date	Description
000	01.23.2020	Preliminary Planning & Initial Layout
001	----	----
002	----	----
003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

SHEET: 002 OF 008



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	

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:
Rod Plan

FILE: C:\Dropbox\Drawings\BHL\Buckner\Build Sheets\LR 11000\LR 11000 - SL8F2 108m + 12m (354' + 39') - 130t + 250t + 80t.dwg
CREATED: 01.23.2020 @ 9:15:05 AM
EDITING TIME: 1h37m FILE SIZE: 5929.08Kb
PAPER SIZE: ANSI B (17.00 x 11.00 Inches)
SAVED: 01.23.2020 @ 10:06:37 AM
PLOTTED: 01.23.2020 @ 10:06:42 AM

Revisions

All Sheets Same Revision Level

Rev.	Date	Description
000	01.23.2020	Preliminary Planning & Initial Layout
001	----	----
002	----	----
003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

SHEET: 003 OF 008



PROJECT:
LR11000 SL8F2 108m+12m

LOCATION: -----

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

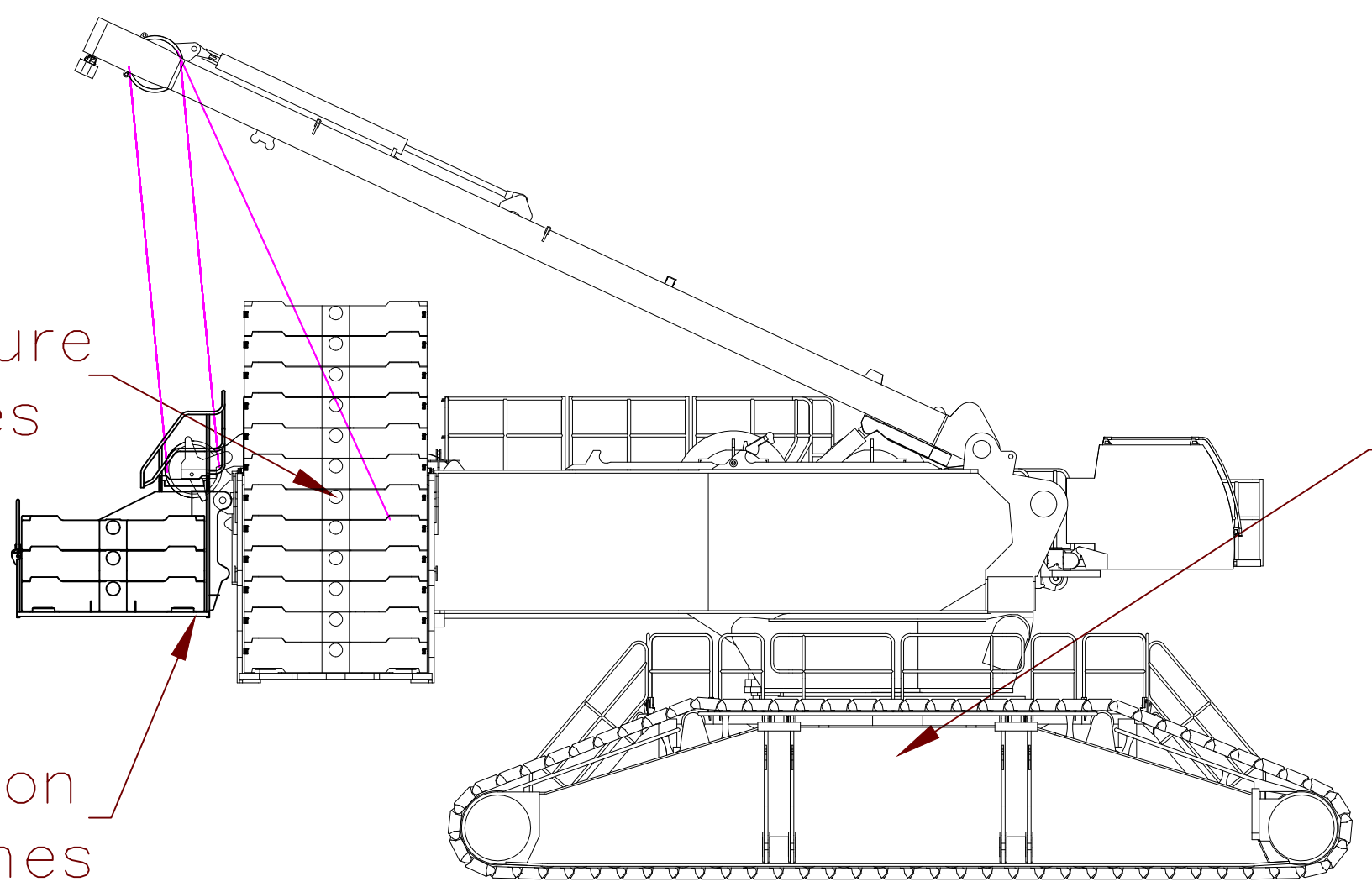
LIFT PLAN BY: Dan Ives, PE
Dani@BucknerCompanies.com

DRAWING NOTES:
Counterweight Arrangement

Superstructure
250 tonnes

Carbody
130 tonnes

Extension
80 tonnes



FILE: C:\Dropbox\Drawings\BHL\Buckner\Build Sheets\LR11000\LR 11000 - SL8F2 108m + 12m (354' + 39') - 130t + 250t + 80t.dwg

CREATED: 01.23.2020 @ 9:15:05 AM

EDITING TIME: 1h37m FILE SIZE: 5929.08Kb

PAPER SIZE: ANSI B (17.00 x 11.00 Inches)

SAVED: 01.23.2020 @ 10:06:37 AM

PLOTTED: 01.23.2020 @ 10:06:44 AM

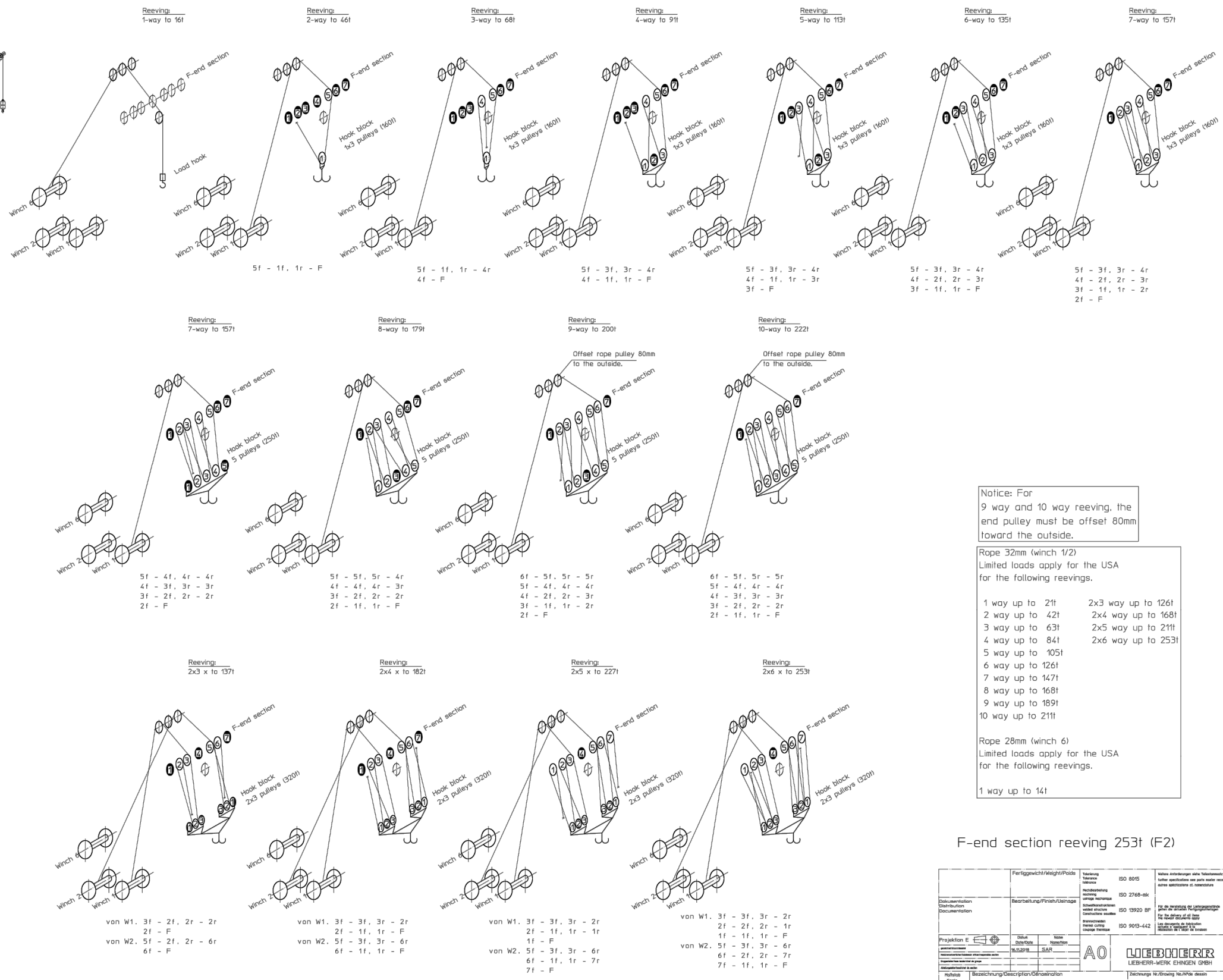
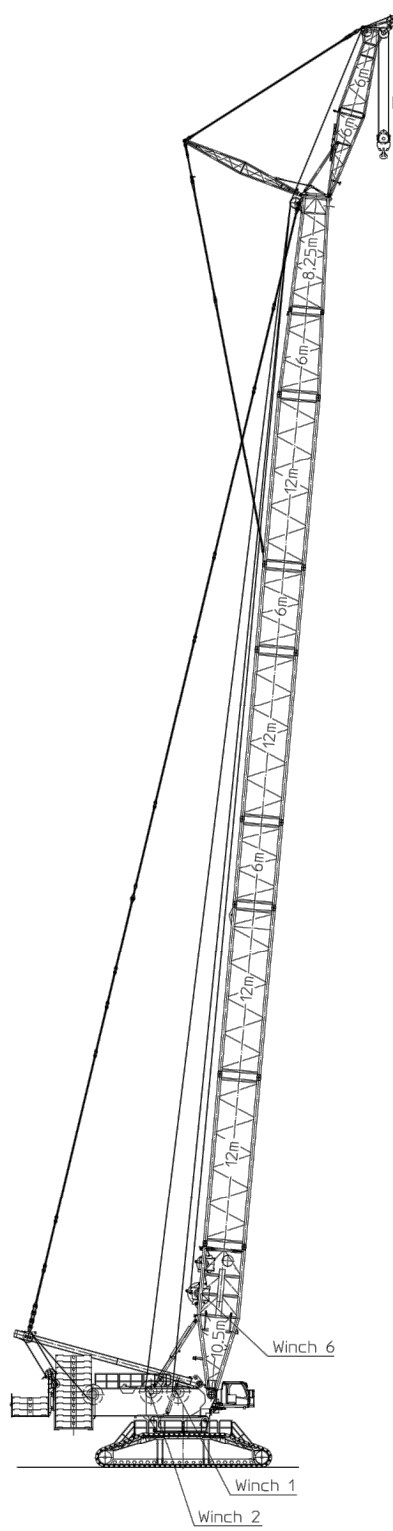
Revisions

All Sheets Same Revision Level

Rev.	Date	Description
000	01.23.2020	Preliminary Planning & Initial Layout
001	----	----
002	----	----
003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

SHEET: 004 OF 008





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

Notice: For 9 way and 10 way reeving, the end pulley must be offset 80mm toward the outside.

Rope 32mm (winch 1/2)
 Limited loads apply for the USA for the following reeving.

1 way up to 21t	2x3 way up to 126t
2 way up to 42t	2x4 way up to 168t
3 way up to 63t	2x5 way up to 210t
4 way up to 84t	2x6 way up to 252t
5 way up to 105t	
6 way up to 126t	
7 way up to 147t	
8 way up to 168t	
9 way up to 189t	
10 way up to 210t	

Rope 28mm (winch 6)
 Limited loads apply for the USA for the following reeving.

1 way up to 14t

F-end section reeving 253t (F2)

Fertiggeviert/Weight/ Poids		Technische Zeichnung/Technical Drawing		ISO 8015	Weitere Anforderungen siehe Technische Zeichnung/Other specifications see parts master record or see specification of manufacturer	
Bearbeitung/Finish/Usinage		Nachbearbeitung/Finishing/Post-Processing		ISO 2768-MK		
Dokumentation/Documentation		Dokumentation/Documentation		ISO 15920-BF		
Projektion E		Scale		ISO 9013-442		
1:250		REEVING PLAN F2-END SECTION				
				Zeichnungs-Nr./Drawing No./No. de dessin: 1668-722.00.00.014-000 Werk-Nr./Serial No./No. de série: 9804 3912		

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:
 Reeving Plan

FILE: C:\Dropbox\Drawings\BHL\Buckner\Build Sheets\LR11000\LR 11000 - SL8F2 108m + 12m (354' + 39') - 130t + 250t + 80t.dwg
 CREATED: 01.23.2020 @ 9:15:05 AM
 EDITING TIME: 1h37m FILE SIZE: 5929.08Kb
 PAPER SIZE: ANSI B (17.00 x 11.00 Inches)
 SAVED: 01.23.2020 @ 10:06:37 AM
 PLOTTED: 01.23.2020 @ 10:06:44 AM

Revisions		
All Sheets Same Revision Level		
Rev.	Date	Description
000	01.23.2020	Preliminary Planning & Initial Layout
001	----	----
002	----	----
003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

SHEET: 005 OF 008

**SL8F2-operation, with auxiliary support
F-connector head**

aat_235_063_00002_00_001
Page: 1 of 10

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	13	10
	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

**SL8F2-operation, with auxiliary support
F-connector head**

aat_235_063_00002_00_001
Page: 3 of 10

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 F2-18 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	•	•	•	•	•	•	•	17	17	14	10	7.8
	SL8-90	•	18	18	17	14	11	11	8.5	5.5	2.6	-	-
	SL8-96	14	11	11	10	8	5.2	5.1	2.3	-	-	-	-
	SL8-102	8.6	6.2	6.2	5.1	2.7	-	-	-	-	-	-	-
	SL8-108	2.5	-	-	-	-	-	-	-	-	-	-	-

- 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

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:
Erection and Takedown

FILE: C:\Dropbox\Drawings\BHL\Buckner\Build Sheets\LR
11000\LR 11000 - SL8F2 108m + 12m (354' + 39')
- 130t + 250t + 80t.dwg

CREATED: 01.23.2020 @ 9:15:05 AM
EDITING TIME: 1h37m FILE SIZE: 5929.08Kb
PAPER SIZE: ANSI B (17.00 x 11.00 Inches)
SAVED: 01.23.2020 @ 10:06:37 AM
PLOTTED: 01.23.2020 @ 10:06:48 AM

Revisions

All Sheets Same Revision Level

Rev.	Date	Description
000	01.23.2020	Preliminary Planning & Initial Layout
001	----	----
002	----	----
003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

SHEET: 006 OF 008



LR 11000 -- 098202

T235.063.01613

EN 13000

SL8F2: SL8-354ft F2-39ft10°

--	--	--	--	--	--	--	--

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:
Load Chart

401

			x1000lb										
	ft												
	58	516.1	516.1										
	60	511.7	511.7										
	70	450.8	450.8										
	80	386.7	386.7										
	90	336.1	336.1										
	100	293.8	293.8										
	110	258.9	258.9										
	120	228.8	228.8										
	130	203.3	203.3										
	140	180.9	180.9										
	150	161.5	161.5										
	170	129.0	129.0										
	190	102.7	102.3										
	210	81.5	79.2										
	230	63.8	61.3										
	250	48.9	44.7										
	270	36.2	34.0										
	290	25.4	25.1										
	310	15.9	15.9										
	321	11.2	11.2										
	ft/s	29.5	42.0										

FILE: C:\Dropbox\Drawings\BHL\Buckner\Build Sheets\LR 11000\LR 11000 - SL8F2 108m + 12m (354' + 39') - 130t + 250t + 80t.dwg

CREATED: 01.23.2020 @ 9:15:05 AM

EDITING TIME: 1h37m FILE SIZE: 5929.08Kb

PAPER SIZE: ANSI B (17.00 x 11.00 Inches)

SAVED: 01.23.2020 @ 10:06:37 AM

PLOTTED: 01.23.2020 @ 10:06:49 AM

Revisions

All Sheets Same Revision Level		
Rev.	Date	Description
000	01.23.2020	Preliminary Planning & Initial Layout
001	----	----
002	----	----
003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

SHEET: 007 OF 008



2.4m Track Pads

LICCON Work Planner

END >?< [ft] [lb] [Home] [x] [y] [?] [?] [?] [?] [?] [ABC] [A] [0°] [?] [PDF]

LR 11000 098202/0019 CODE >063.01613< ⚠️401

1.0

0.0°

0.0°

ft 341.9

psi

2074600 lb

x = -0.023

y = 0.000

z = 42.825

ft

30

32ft x 8ft

30

30ft x 32ft

B

A

30

32ft x 8ft

30

30ft x 32ft

B

A

30

32ft x 8ft

30

30ft x 32ft

B

A

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:
Balanced Boom

x1000lb (max)

n4=12 28.0 179.1

ft 71.9° 140.9

ft 10.2° 388.8

0.0°

FILE: C:\Dropbox\Drawings\BHL\Buckner\Build Sheets\LR 11000\LR 11000 - SL8F2 108m + 12m (354' + 39') - 130t + 250t + 80t.dwg

CREATED: 01.23.2020 @ 9:15:05 AM

EDITING TIME: 1h37m FILE SIZE: 5929.08Kb

PAPER SIZE: ANSI B (17.00 x 11.00 Inches)

SAVED: 01.23.2020 @ 10:06:37 AM

PLOTTED: 01.23.2020 @ 10:06:50 AM

Revisions		
All Sheets Same Revision Level		
Rev.	Date	Description
000	01.23.2020	Preliminary Planning & Initial Layout
001	----	----
002	----	----
003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----