



Contents	
Sheet	Description
001	Title Page
002	Build Sheet
003	Rod Plan
004	Counterweight Arrangement
005	Hook Blocks
006	Reeving Plan
007	Erection & Takedown 1
008	Erection & Takedown 2
009	Load Chart

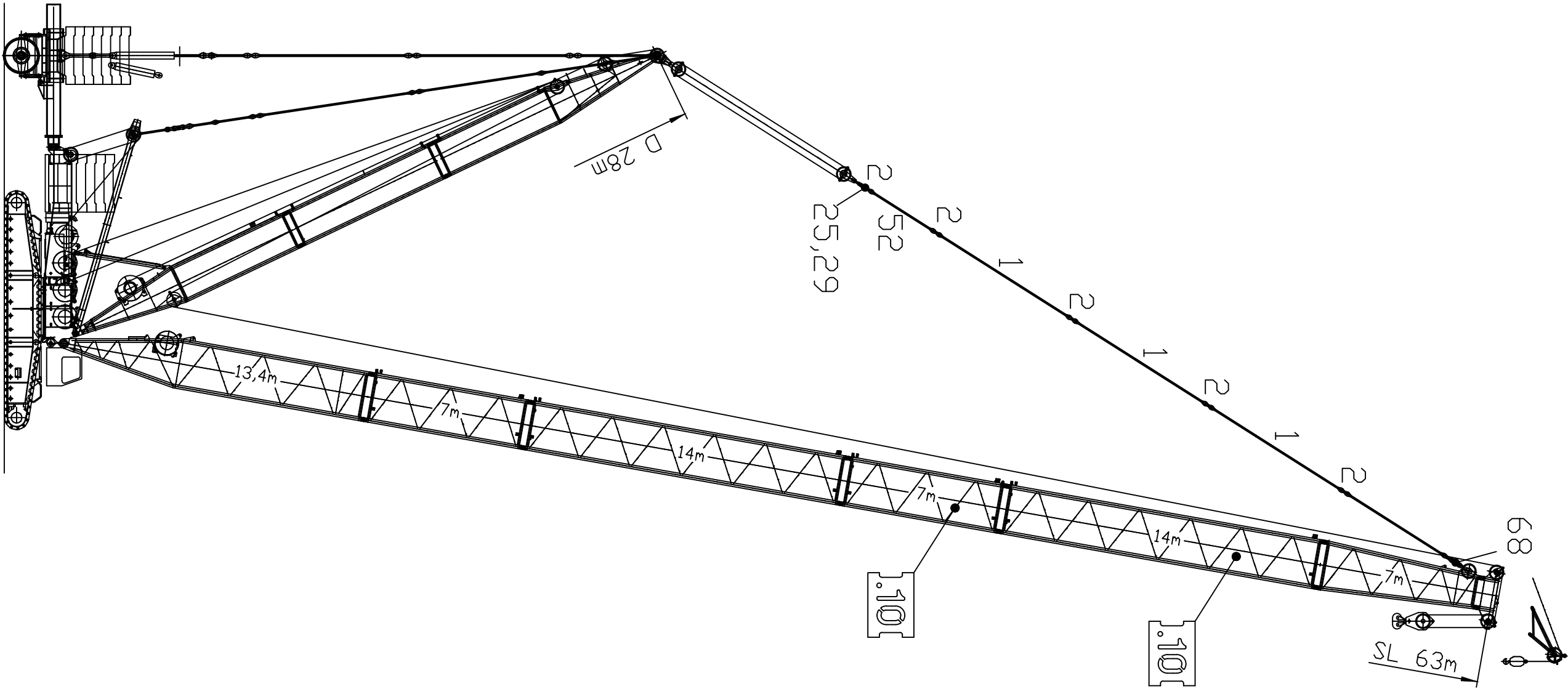
PROJECT:
LR1400 SLDBW 63m

LOCATION: Graham, NC
BUCKNER CONTACT: Dallas Snow, P.E.
 DallasS@BucknerHeavylift.com
LIFT PLAN BY: Dallas Snow, P.E.
 DallasS@BucknerHeavylift.com

DRAWING NOTES:
Title Page

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DRAWING NOTES:
Build Sheet

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005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
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Pos.	Artikel	Bezeichnung	Description
1	963497808	STANGE MIT SCHILD	ROD WITH BOARD
2	925173308	LASCHE KPL.	BRACKET COMPL.
3	963493508	STANGE	ROD
4	925173008	LASCHE KPL.	BRACKET COMPL.
9	925184408	SCHWINGE SCHWK.	ROCKER WELDED
16	921344408	STANGE KPL.	ROD CPL.
23	773424508	SEIL	ROPE
25	954383508	BOLZEN	PIN
27	921137508	STANGE KPL.	ROD CPL.
28	954385708	BOLZEN	PIN
29	433105008	SICHERUNGSFEDER	RETAINING SPRING
32	921129608	STANGE KPL.	ROD CPL.
35	948638308	BOLZEN	PIN
36	773386108	SEIL	ROPE
44	948359608	BOLZEN	PIN
51	529001508	AUFSTELLWAGEN	SET-UP CARRIAGE
52	963490108	STANGE MIT SCHILD	ROD WITH BOARD
68	692307908	ZUGMESSLASCHE	TENSION DYNAMOMETER
76	921406808	STANGE KPL.	ROD CPL.
77	921406908	LASCHE KPL.	BRACKET COMPL.
78	921407008	STANGE KPL.	ROD CPL.
79	921407208	STANGE KPL.	ROD CPL.
80	921407308	SCHWINGE SCHWK.	ROCKER WELDED
82	921425408	STANGE MIT SCHILD	ROD WITH BOARD
83	921425508	STANGE KPL.	ROD CPL.
86	923626908	LASCHE SCHWK.	CONNECTING LINK WELDED
87	923627008	LASCHE SCHWK.	CONNECTING LINK WELDED
88	923627108	LASCHE SCHWK.	CONNECTING LINK WELDED
89	773433908	SEIL	ROPE
90	773434008	SEIL	ROPE
91	956097408	BOLZEN	PIN
92	421202408	SCHEIBE	WASHER
93	955998208	BOLZEN	PIN
94	421102808	SCHEIBE	WASHER
95	433102508	SICHERUNGSFEDER	RETAINING SPRING
96	740023808	KETTE	CHAIN
98	921125208	TRAVERSE SCHWK.	CROSS-MEMBER
99	921129208	STANGE KPL.	ROD CPL.
103	970079008	BOLZEN	PIN
104	921137308	STANGE KPL.	ROD CPL.

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LIEBHERR	STANGEN RODS / PULL RODS	Seite: 12

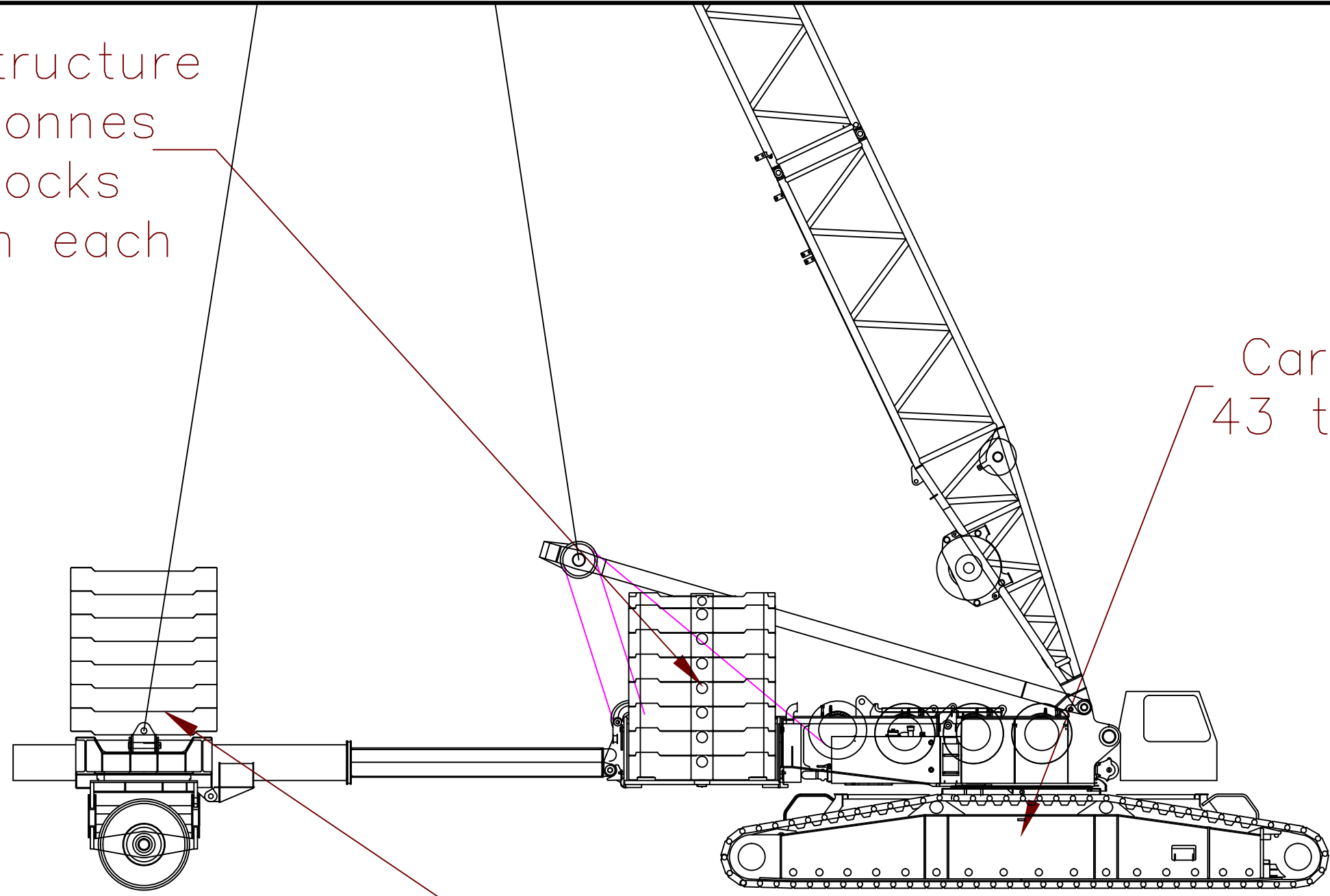
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LIFT PLAN BY:	Dallas Snow, P.E. DallasS@BucknerHeavylift.com

DRAWING NOTES:
Rod Plan

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008	----	----
009	----	----
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Superstructure
135 tonnes
12 rocks
10 ton each

Carbody
43 tonnes

Wagon
136.7 tonnes
11 rocks
10 ton each

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DRAWING NOTES:
Counterweight Arrangement

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009	----	----
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7.3.3 Hook block 80 DM (3 rope pulleys / 176.4 kips (80 t) load)				
Number of rope runs	Maximum possible overall jib length [ft] with hook block weight [lbs]			
	5.7 kips			
7	253			
6	299			
5	390			
4	482			
3	551			
2	551			
1	551			

7.3.4 Double hook block 125 DM (5 rope pulleys / 275.6 kips (125 t) load)

Number of rope runs	Maximum possible overall jib length [ft] with hook block weight [lbs]			
	8.4 kips			
11	207			
10	230			
9	253			
8	276			
7	322			
6	367			
5	413			
4	505			
3	551			
2	551			
1	551			

7.3 Load hook and hook block for crane operation with 1 hoist rope winch in single operation
Hoist rope lengths: 2790 ft (850 m)

Crane data		
Rope diameter:	0.0820 ft	[25 mm]
Rope weight:	2.08	[lbs/ft]
Boom sections:	23	[ft]
Boom length min.:	69	[ft]
Boom length max.:	551	[ft]
Number of hoist winches:	1	
Hoist rope length:	2790	[ft]
Derrick to hoist rope deflection:	65.6	[ft]
Min. height above ground:	0.0	[ft]

7.3.1 Load hook 12 E (0 rope pulleys / 26.5 kips (12 t) load)

Number of rope runs	Maximum possible overall jib length [ft] with hook block weight [lbs]			
	1.3 kips			
1	482			

7.3.2 Hook block 36 EM (1 rope pulleys / 79.4 kips (36 t) load)

Number of rope runs	Maximum possible overall jib length [ft] with hook block weight [lbs]			
	3.3 kips			
3	390			
2	551			
1	551			

PROJECT:
LR1400 SLDBW 63m

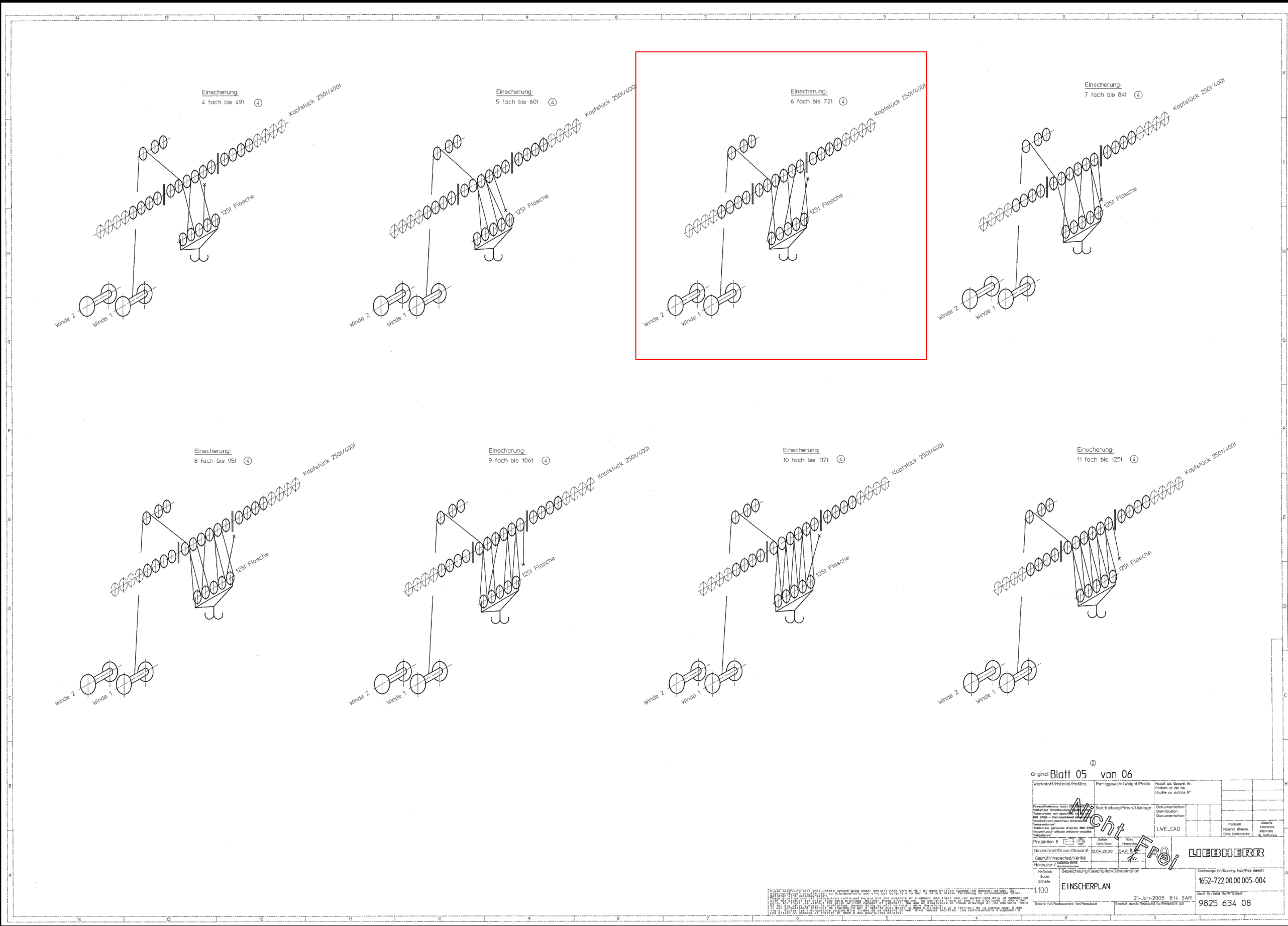
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DRAWING NOTES:
Hook Blocks

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

SHEET: 005 OF 009

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

SHEET: 006 OF 009

BUCKNER
HEAVYLIFT CRANES

RAISING - AND LOWERING CHARTS

SLDBW - mode
with 350 t head section

TAB: 12400075
System: S 2620.20
L 2620.10
D 2115.20

Note: raising, lowering 360°
Supporting base 7,80 m×7,50 m×1,20 m **without** additional supports
Derrick boom D = 28 m; R = 11 m
Derrick ballast R = 11 m

Operating mode	slewing platform- / central ballast	Derrick ballast	Boom combination	max. permissible hook block weight on main boom
	[t] / [t]	[t]	SL (m)	[t]
SLDBW	135 / 43	30	70	8,0
		30	77	3,5
		30	84	3,5
		60	91	3,5
		80	98	3,5
		100	105	2,6
		110	105	3,5
		130	112	2,6
		140	112	3,5

RAISING - AND LOWERING CHARTS

SLDBW - mode
with 350 t head section

TAB: 12400076
System: S 2620.20
L 2620.10
D 2115.20

Note: raising, lowering 360°
Supporting base 7,80 m×7,50 m×1,20 m **without** additional supports
Derrick boom D = 28 m; R = 11 m
Derrick ballast R = 13 m

Operating mode	slewing platform- / central ballast	Derrick ballast	Boom combination	max. permissible hook block weight on main boom
	[t] / [t]	[t]	SL (m)	[t]
SLDBW	135 / 43	30	70	8,0
		30	77	3,5
		30	84	3,5
		50	91	3,5
		70	98	3,5
		90	105	2,6
		90	105	3,5
		110	112	2,6
		120	112	3,5

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LOCATION:Graham, NC
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002	----	----
003	----	----
004	----	----
005	----	----
006	----	----
007	----	----
008	----	----
009	----	----
010	----	----

SHEET: 007 OF 009



RAISING - AND LOWERING CHARTS

SLDBW - mode

with 350 t head section

TAB: 12400077

System: S 2620.20

L 2620.10

D 2115.20

Note:

raising, lowering 360°

Supporting base 7,80 m×7,50 m×1,20 m **without** additional supports

Derrick boom D = 28 m; R = 11 m

Derrick ballast R = 15 m

Operating mode	slewing platform- / central ballast	Derrick ballast	Boom combination	max. permissible hook block weight on main boom
	[t] / [t]	[t]	SL (m)	[t]
SLDBW	135 / 43	30	70	8,0
		30	77	3,5
		30	84	3,5
		40	91	3,5
		60	98	3,5
		80	105	2,6
		80	105	3,5
		100	112	2,6
		100	112	3,5

PROJECT:

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DRAWING NOTES:

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005	----	----
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008	----	----
009	----	----
010	----	----

SHEET: 008 OF 009

BUCKNER

HEAVYLIFT CRANES

SLDBW	--
207/92ft	

06.10

[illegible]

	SLDBW 207/92ft	--	 298,000 lbs	 95,000 lbs	yy		
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LIFT PLAN BY:	Dallas Snow, P.E. DallasS@BucknerHeavylift.com

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009	-----	-----
010	-----	-----

SHEET: 009 OF 009

BUCKNER