



PROJECT:  
LR11000 SL8DF2B 114+12

LOCATION: -----  
BUCKNER CONTACT: Dan Ives, PE  
Dani@BucknerHeavylift.com  
LIFT PLAN BY: Dan Ives, PE  
Dani@BucknerHeavylift.com

DRAWING NOTES:  
Title Page

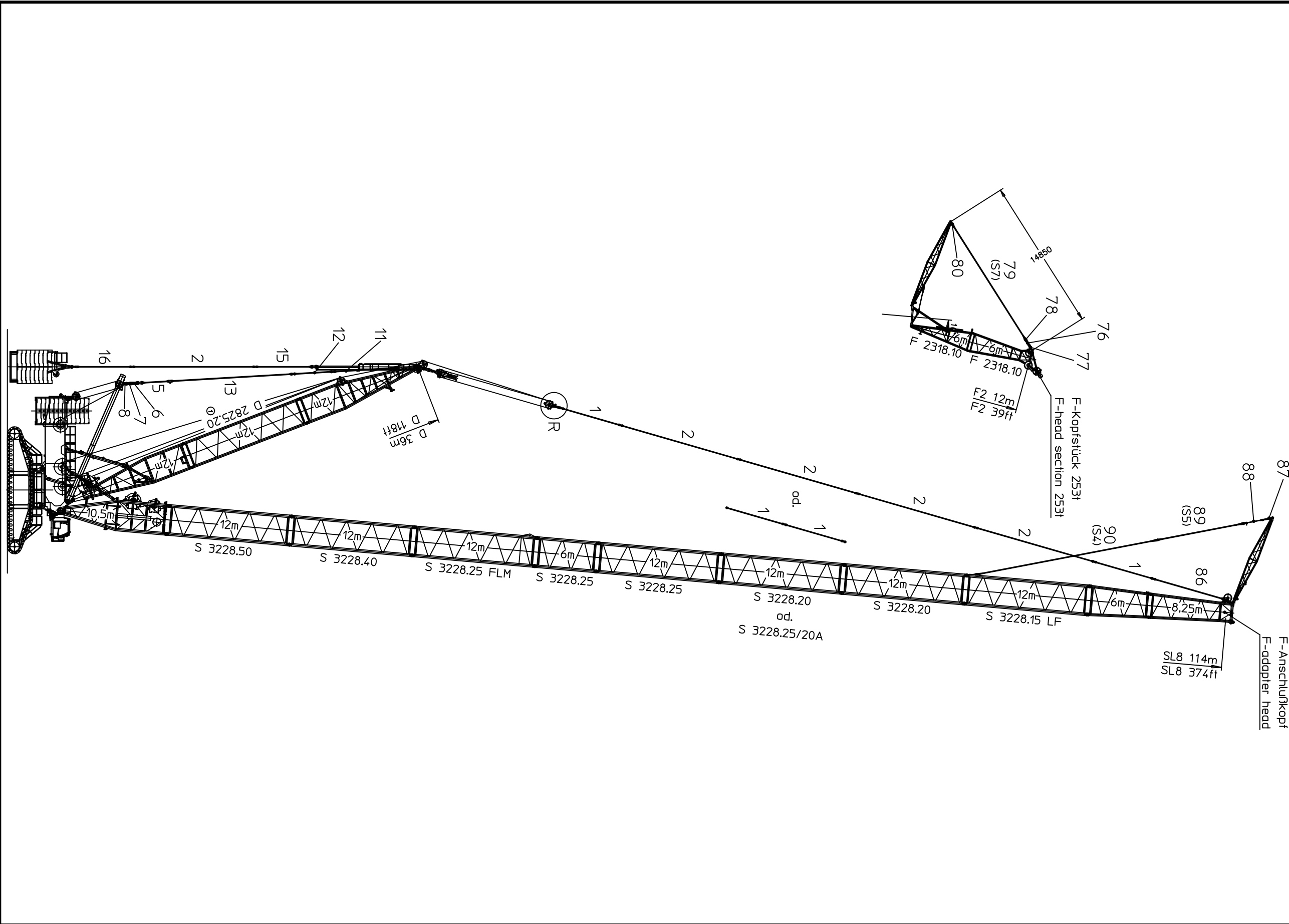
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Build Sheet

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| Pos. Item     | Description              |         | Page |
|---------------|--------------------------|---------|------|
| 1 967746908   | ROD CPL.                 | 6M      |      |
| 2 967743808   | ROD CPL.                 | 12 M    |      |
| 5 967846208   | PULL ROD                 | 3.3M    |      |
| 6 917368808   | MEASURING PLATE          | 3000 KN | 34   |
| 7 967846608   | PULL TAB WITH SIGN       | 0.4M    |      |
| 8 967845508   | DRAW SHACKLE             | 0.7M    |      |
| 9 967897608   | PULL ROD                 | 3.5M    |      |
| 11 968026108  | DRAWBAR PRE-ASS          | 6.0M    |      |
| 12 968026208  | PULL ROD                 | 3.9M    |      |
| 13 967704008  | ROD CPL.                 | 12 M    |      |
| 15 968026008  | PULL ROD                 | 5.765M  |      |
| 16 968242208  | PULL ROD                 | 6.050 M |      |
| 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 98045570 | RODS/ PULL RODS LR 11000 | SL8DF2B |      |

| 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 Plans

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| 18.6.2021 | 098260 (LR 11000)<br>RODS/ PULL RODS LR 11000 SL8DF2B | 96042304<br>Page: 63 |
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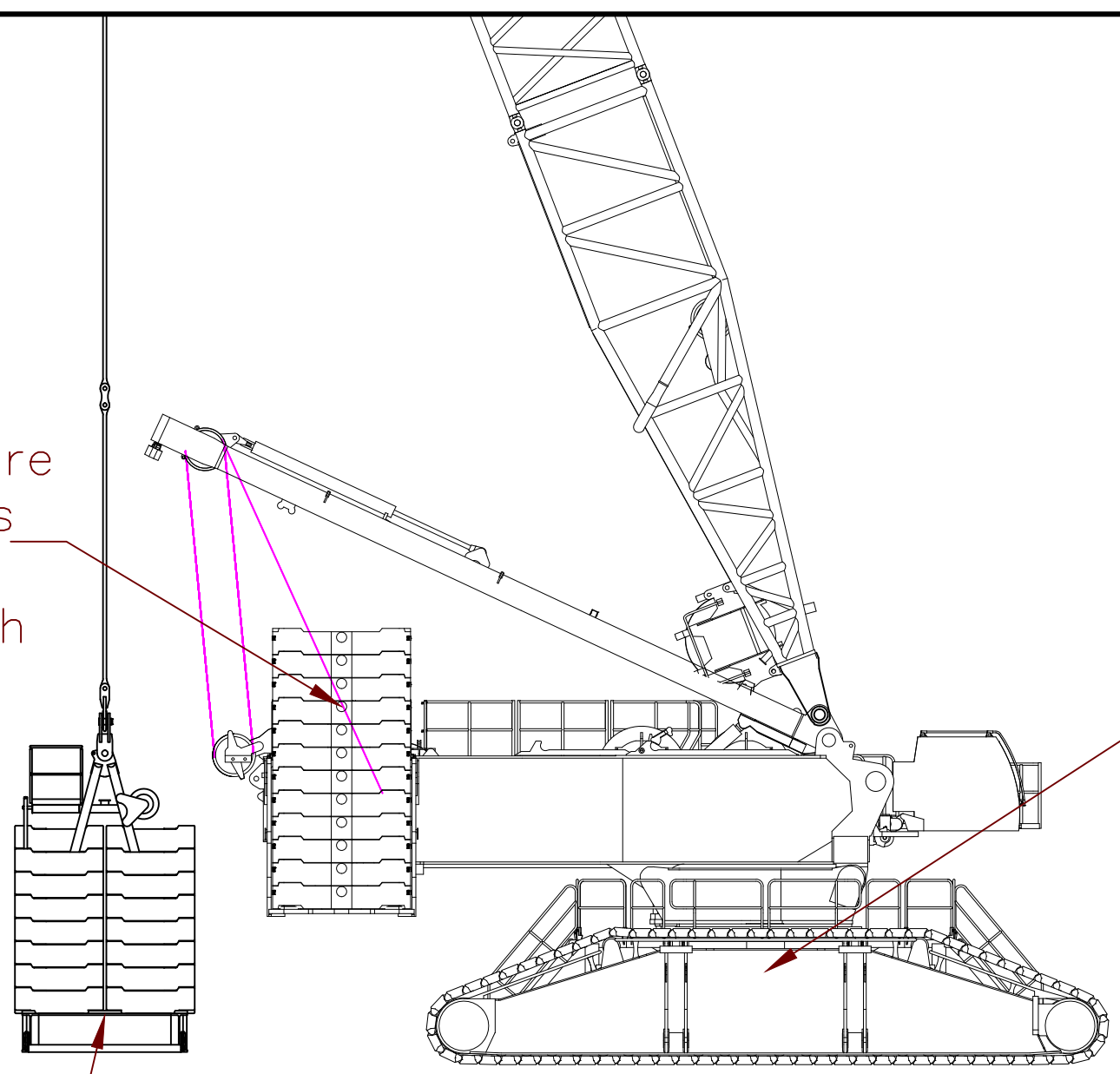
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| 14.5.2019 | LR 11000 (098251)<br>RODS/ PULL RODS LR 11000 F2 | 96039268<br>Page: 11 |
|-----------|--------------------------------------------------|----------------------|

Superstructure  
250 tonnes  
24 rocks  
10 ton each

Carbody  
130 tonnes  
12 rocks  
10 ton each

Tray  
150 tonnes total  
For standard tray  
14 rocks

For LTR wide tray  
0 rocks



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Counterweight Arrangement

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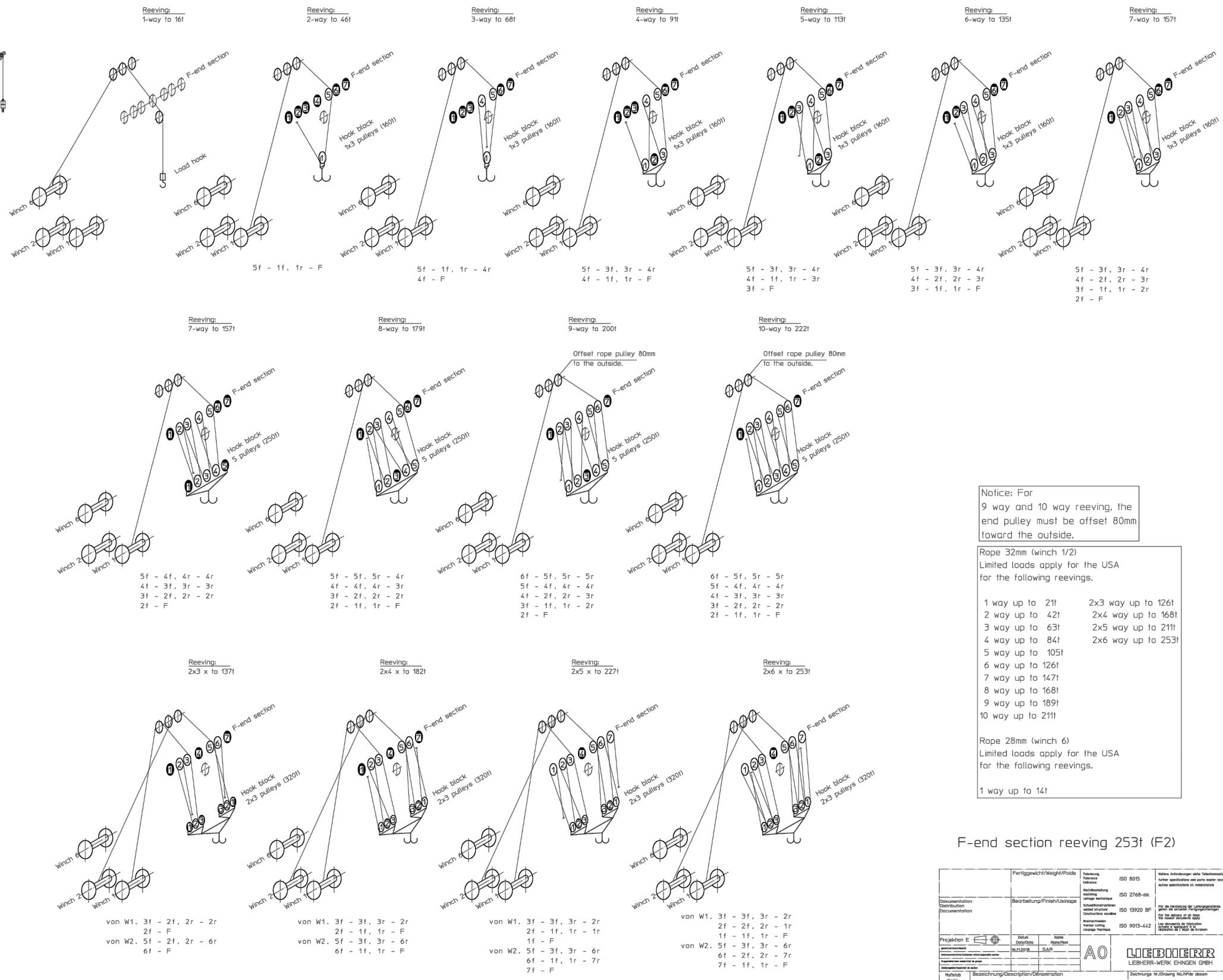
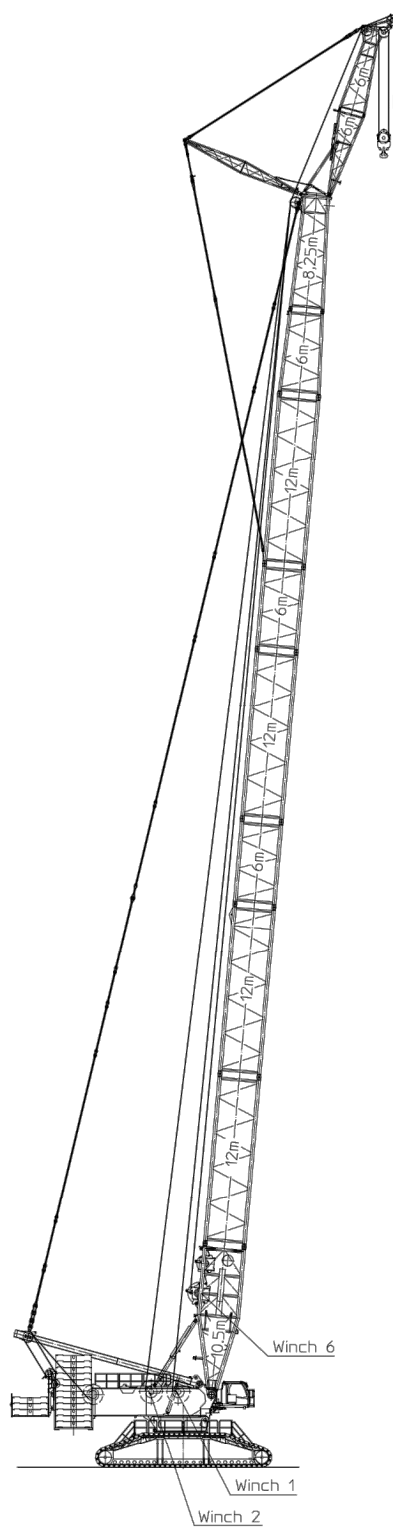
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F = Fixpoint = Festpunkt  
 f = front = vorne  
 r = rear = hinten

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
- 2 way up to 42t
- 3 way up to 63t
- 4 way up to 84t
- 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 211t
- 2x3 way up to 126t
- 2x4 way up to 168t
- 2x5 way up to 211t
- 2x6 way up to 253t

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

- 1 way up to 14t

|                            |  |                            |  |              |
|----------------------------|--|----------------------------|--|--------------|
| Fertiggewicht/Weight/Poids |  | Technische Zeichnung       |  | ISO 8015     |
| Bearbeitung/Finish/Usinage |  | Nachherstellung            |  | ISO 2768-mk  |
| Projektion E               |  | Anspruchsbereich           |  | ISO 15920 BF |
| Scale                      |  | Anspruchsbereich           |  | ISO 9013-442 |
| 1:250                      |  | AE                         |  | ISO 9013-442 |
| REEVING PLAN               |  | LIEBHERR                   |  |              |
| F2-END SECTION             |  | LIEBHERR-WERK EHINGEN GMBH |  |              |
|                            |  | Zeichnung WZ000000014-000  |  |              |
|                            |  | 1668-722.00.0014-000       |  |              |
|                            |  | 9804 3912                  |  |              |

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DRAWING NOTES:  
 Reeving Plan

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SL8DF2B – operation, turntable ballast 250t / central ballast 130t  
SL8F2: F-connector head

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On crawlers 9.6m x 9.2m x 2.0m  
Ground slope: maximum 0.3°  
Without mechanical auxiliary support

System: S 3228.40/25/20/15  
D 2825.25/20  
F 2318.10

**Wind speeds:**

**maximum 9.0m/s:** for all boom lengths and wind direction 360°.

**maximum 12.8m/s:** for boom lengths below 140m and wind direction 360°. With a total boom length above 140m (highlighted in gray in the chart), erection / take-down is only permissible with wind from the front or from the rear on the boom. The permissible inflow angle range is ±25°.

| SL8DF2B<br>DR 12m<br>DBR 12m |         |        | Permissible weight of the hook block [t] on the F2-boom                                   |    |     |     |     |     |     |     |     |     |    |   |
|------------------------------|---------|--------|-------------------------------------------------------------------------------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|----|---|
|                              |         |        | For derrick ballast [t]<br>for derrick radius (DR) 12m / derrick ballast radius (DBR) 12m |    |     |     |     |     |     |     |     |     |    |   |
|                              |         |        | 0                                                                                         | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 |    |   |
| Main boom length [m]         | SL8-102 | F2 [m] | 12                                                                                        | -  | -   | 5.3 | 12  | 18  | •   | •   | •   | •   | •  |   |
|                              |         |        | 15                                                                                        | -  | -   | 4   | 10  | 17  | •   | •   | •   | •   | •  |   |
|                              |         |        | 18                                                                                        | -  | -   | 3.3 | 9.8 | 16  | •   | •   | •   | •   | •  |   |
|                              |         |        | 21                                                                                        | -  | -   | 2.2 | 8.4 | 14  | •   | •   | •   | •   | •  |   |
|                              |         |        | 24                                                                                        | -  | -   | -   | 7.6 | 13  | 19  | •   | •   | •   | •  |   |
|                              |         |        | 27                                                                                        | -  | -   | -   | 6.3 | 12  | 18  | •   | •   | •   | •  |   |
|                              |         |        | 30                                                                                        | -  | -   | -   | 5.9 | 11  | 17  | •   | •   | •   | •  |   |
|                              |         |        | 33                                                                                        | -  | -   | -   | 4.6 | 10  | 16  | •   | •   | •   | •  |   |
|                              |         |        | 36                                                                                        | -  | -   | -   | 3.9 | 9.4 | 15  | •   | •   | •   | •  |   |
|                              |         |        | 39                                                                                        | -  | -   | -   | 2.7 | 8.1 | 13  | 19  | •   | •   | •  |   |
| Main boom length [m]         | SL8-108 | F2 [m] | 12                                                                                        | -  | -   | -   | 5.3 | 11  | 18  | •   | •   | •   | •  |   |
|                              |         |        | 15                                                                                        | -  | -   | -   | 4.1 | 10  | 16  | •   | •   | •   | •  |   |
|                              |         |        | 18                                                                                        | -  | -   | -   | 3.4 | 9.5 | 15  | •   | •   | •   | •  |   |
|                              |         |        | 21                                                                                        | -  | -   | -   | 2.2 | 8.2 | 14  | •   | •   | •   | •  |   |
|                              |         |        | 24                                                                                        | -  | -   | -   | -   | 7.4 | 13  | 19  | •   | •   | •  | • |
|                              |         |        | 27                                                                                        | -  | -   | -   | -   | 6.1 | 11  | 17  | •   | •   | •  | • |
|                              |         |        | 30                                                                                        | -  | -   | -   | -   | 5.7 | 11  | 16  | •   | •   | •  | • |
|                              |         |        | 33                                                                                        | -  | -   | -   | -   | 4.5 | 9.9 | 15  | •   | •   | •  | • |
|                              |         |        | 36                                                                                        | -  | -   | -   | -   | 3.7 | 9   | 14  | 19  | •   | •  | • |
|                              |         |        | 39                                                                                        | -  | -   | -   | -   | 2.5 | 7.7 | 13  | 18  | •   | •  | • |
| Main boom length [m]         | SL8-114 | F2 [m] | 12                                                                                        | -  | -   | -   | -   | 4.2 | 10  | 16  | •   | •   | •  |   |
|                              |         |        | 15                                                                                        | -  | -   | -   | -   | 3   | 9   | 14  | •   | •   | •  |   |
|                              |         |        | 18                                                                                        | -  | -   | -   | -   | 2.4 | 8.2 | 14  | 19  | •   | •  |   |
|                              |         |        | 21                                                                                        | -  | -   | -   | -   | -   | 6.9 | 12  | 18  | •   | •  |   |
|                              |         |        | 24                                                                                        | -  | -   | -   | -   | -   | 6.1 | 11  | 17  | •   | •  |   |
|                              |         |        | 27                                                                                        | -  | -   | -   | -   | -   | 4.9 | 10  | 15  | •   | •  |   |
|                              |         |        | 30                                                                                        | -  | -   | -   | -   | -   | 4.5 | 9.9 | 15  | •   | •  |   |
|                              |         |        | 33                                                                                        | -  | -   | -   | -   | -   | 3.3 | 8.6 | 13  | 19  | •  |   |
|                              |         |        | 36                                                                                        | -  | -   | -   | -   | -   | 2.6 | 7.7 | 12  | 17  | •  |   |
|                              |         |        | 39                                                                                        | -  | -   | -   | -   | -   | -   | 6.5 | 11  | 16  | 19 |   |

- Hook block weight up to 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.

SL8DF2B – operation, turntable ballast 250t / central ballast 130t  
SL8F2: F-connector head

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Page: 2 of 6

On crawlers 9.6m x 9.2m x 2.0m  
Ground slope: maximum 0.3°  
Without mechanical auxiliary support

System: S 3228.40/25/20/15  
D 2825.25/20  
F 2318.10

**Wind speeds:**

**maximum 9.0m/s:** for all boom lengths and wind direction 360°.

**maximum 12.8m/s:** for boom lengths below 140m and wind direction 360°. With a total boom length above 140m (highlighted in gray in the chart), erection / take-down is only permissible with wind from the front or from the rear on the boom. The permissible inflow angle range is ±25°.

| SL8DF2B<br>DR 12m<br>DBR 12m |         |        | Permissible weight of the hook block [t] on the F2-boom                                   |    |     |     |     |     |     |     |     |     |     |
|------------------------------|---------|--------|-------------------------------------------------------------------------------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                              |         |        | For derrick ballast [t]<br>for derrick radius (DR) 12m / derrick ballast radius (DBR) 12m |    |     |     |     |     |     |     |     |     |     |
|                              |         |        | 0                                                                                         | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 |     |
| Main boom length [m]         | SL8-120 | F2 [m] | 12                                                                                        | -  | -   | -   | -   | -   | 3.7 | 9.5 | 15  | •   | •   |
|                              |         |        | 15                                                                                        | -  | -   | -   | -   | -   | 2.5 | 8.2 | 13  | 19  | •   |
|                              |         |        | 18                                                                                        | -  | -   | -   | -   | -   | -   | 7.4 | 13  | 18  | •   |
|                              |         |        | 21                                                                                        | -  | -   | -   | -   | -   | -   | 6.2 | 11  | 17  | •   |
|                              |         |        | 24                                                                                        | -  | -   | -   | -   | -   | -   | 5.4 | 10  | 16  | 19  |
|                              |         |        | 27                                                                                        | -  | -   | -   | -   | -   | -   | 4.2 | 9.4 | 14  | 17  |
|                              |         |        | 30                                                                                        | -  | -   | -   | -   | -   | -   | 3.8 | 9   | 14  | 17  |
|                              |         |        | 33                                                                                        | -  | -   | -   | -   | -   | -   | 2.7 | 7.7 | 12  | 15  |
|                              |         |        | 36                                                                                        | -  | -   | -   | -   | -   | -   | -   | 6.8 | 11  | 14  |
|                              |         |        | 39                                                                                        | -  | -   | -   | -   | -   | -   | -   | 5.6 | 10  | 13  |
| Main boom length [m]         | SL8-126 | F2 [m] | 12                                                                                        | -  | -   | -   | -   | -   | -   | -   | 7.7 | 12  | 16  |
|                              |         |        | 15                                                                                        | -  | -   | -   | -   | -   | -   | -   | 6.5 | 11  | 15  |
|                              |         |        | 18                                                                                        | -  | -   | -   | -   | -   | -   | -   | 5.7 | 10  | 14  |
|                              |         |        | 21                                                                                        | -  | -   | -   | -   | -   | -   | -   | 4.5 | 9.6 | 13  |
|                              |         |        | 24                                                                                        | -  | -   | -   | -   | -   | -   | -   | 3.8 | 8.7 | 12  |
|                              |         |        | 27                                                                                        | -  | -   | -   | -   | -   | -   | -   | 2.6 | 7.4 | 10  |
|                              |         |        | 30                                                                                        | -  | -   | -   | -   | -   | -   | -   | 2.3 | 7.1 | 10  |
|                              |         |        | 33                                                                                        | -  | -   | -   | -   | -   | -   | -   | -   | 5.9 | 8.9 |
|                              |         |        | 36                                                                                        | -  | -   | -   | -   | -   | -   | -   | -   | 5.1 | 8   |
|                              |         |        | 39                                                                                        | -  | -   | -   | -   | -   | -   | -   | -   | 3.9 | 6.9 |
| Main boom length [m]         | SL8-132 | F2 [m] | 12                                                                                        | -  | -   | -   | -   | -   | -   | -   | -   | 6   | 9.4 |
|                              |         |        | 15                                                                                        | -  | -   | -   | -   | -   | -   | -   | -   | 4.7 | 8.2 |
|                              |         |        | 18                                                                                        | -  | -   | -   | -   | -   | -   | -   | -   | 4.2 | 7.6 |
|                              |         |        | 21                                                                                        | -  | -   | -   | -   | -   | -   | -   | -   | 3   | 6.3 |
|                              |         |        | 24                                                                                        | -  | -   | -   | -   | -   | -   | -   | -   | 2.3 | 5.4 |
|                              |         |        | 27                                                                                        | -  | -   | -   | -   | -   | -   | -   | -   | -   | 4.3 |
|                              |         |        | 30                                                                                        | -  | -   | -   | -   | -   | -   | -   | -   | -   | 4.1 |
|                              |         |        | 33                                                                                        | -  | -   | -   | -   | -   | -   | -   | -   | -   | 2.9 |
|                              |         |        | 36                                                                                        | -  | -   | -   | -   | -   | -   | -   | -   | -   | 2   |
|                              |         |        | 39                                                                                        | -  | -   | -   | -   | -   | -   | -   | -   | -   | -   |

- Hook block weight up to 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.

PROJECT:  
LR11000 SL8DF2B 114+12

LOCATION: -----  
BUCKNER CONTACT: Dan Ives, PE  
Dani@BucknerHeavyLift.com  
LIFT PLAN BY: Dan Ives, PE  
Dani@BucknerHeavyLift.com

DRAWING NOTES:  
Erection and Takedown –  
DBR 12m

FILE: C:\Users\Dan Ives\OneDrive – Buckner HeavyLift  
Cranes\Engineering\Drawings\BHL\Buckner\Build  
Sheets\LR 11000\LR 11000 – SL8DF2B 114m + 12m  
CREATED: 06.17.2024 10:55:31 AM  
EDITING TIME: 11h15m FILE SIZE: 9517.84Kb  
PAPER SIZE: ANSI B (17.00 x 11.00 Inches)  
SAVED: 06.17.2024 @ 10:55:20 AM  
PLOTTED: 06.17.2024 @ 10:55:31 AM

Revisions

All Sheets Same Revision Level

| Rev. | Date       | Description                           |
|------|------------|---------------------------------------|
| 000  | 06.17.2024 | Preliminary Planning & Initial Layout |
| 001  | ----       | ----                                  |
| 002  | ----       | ----                                  |
| 003  | ----       | ----                                  |
| 004  | ----       | ----                                  |
| 005  | ----       | ----                                  |
| 006  | ----       | ----                                  |
| 007  | ----       | ----                                  |
| 008  | ----       | ----                                  |
| 009  | ----       | ----                                  |
| 010  | ----       | ----                                  |

SHEET: 007 OF 012



SL8DF2B – operation, turntable ballast 250t / central ballast 130t  
SL8F2: F-connector head

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On crawlers 9.6m x 9.2m x 2.0m  
Ground slope: maximum 0.3°  
Without mechanical auxiliary support

System: S 3228.40/25/20/15  
D 2825.25/20  
F 2318.10

**Wind speeds:**

maximum 9.0m/s: for all boom lengths and wind direction 360°.  
maximum 12.8m/s: for boom lengths below 140m and wind direction 360°. With a total boom length above 140m (highlighted in gray in the chart), erection / take-down is only permissible with wind from the front or from the rear on the boom. The permissible inflow angle range is ±25°.

| SL8DF2B<br>DR 15m<br>DBR 15m |         | Permissible weight of the hook block [t] on the F2-boom                                   |    |     |     |     |     |     |     |     |     |   |   |
|------------------------------|---------|-------------------------------------------------------------------------------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|---|---|
|                              |         | For derrick ballast [t]<br>for derrick radius (DR) 15m / derrick ballast radius (DBR) 15m |    |     |     |     |     |     |     |     |     |   |   |
|                              |         | 0                                                                                         | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 |   |   |
| Main boom length [m]         | SL8-102 | F2 [m]                                                                                    | 12 | -   | -   | 8.6 | 16  | •   | •   | •   | •   | • | • |
|                              |         |                                                                                           | 15 | -   | -   | 7.2 | 15  | •   | •   | •   | •   | • | • |
|                              |         |                                                                                           | 18 | -   | -   | 6.5 | 14  | •   | •   | •   | •   | • | • |
|                              |         |                                                                                           | 21 | -   | -   | 5.2 | 12  | •   | •   | •   | •   | • | • |
|                              |         |                                                                                           | 24 | -   | -   | 4.5 | 11  | 18  | •   | •   | •   | • | • |
|                              |         |                                                                                           | 27 | -   | -   | 3.3 | 10  | 17  | •   | •   | •   | • | • |
|                              |         |                                                                                           | 30 | -   | -   | 2.9 | 9.8 | 16  | •   | •   | •   | • | • |
|                              |         |                                                                                           | 33 | -   | -   | -   | 8.5 | 15  | •   | •   | •   | • | • |
|                              |         |                                                                                           | 36 | -   | -   | -   | 7.6 | 14  | •   | •   | •   | • | • |
|                              |         |                                                                                           | 39 | -   | -   | -   | 6.3 | 12  | 19  | •   | •   | • | • |
| Main boom length [m]         | SL8-108 | F2 [m]                                                                                    | 12 | -   | -   | -   | 9.6 | 17  | •   | •   | •   | • |   |
|                              |         |                                                                                           | 15 | -   | -   | -   | 8.3 | 15  | •   | •   | •   | • |   |
|                              |         |                                                                                           | 18 | -   | -   | -   | 7.5 | 14  | •   | •   | •   | • |   |
|                              |         |                                                                                           | 21 | -   | -   | -   | 6.2 | 13  | •   | •   | •   | • |   |
|                              |         |                                                                                           | 24 | -   | -   | -   | 5.4 | 12  | 19  | •   | •   | • | • |
|                              |         |                                                                                           | 27 | -   | -   | -   | 4.2 | 11  | 17  | •   | •   | • | • |
|                              |         |                                                                                           | 30 | -   | -   | -   | 3.8 | 10  | 17  | •   | •   | • | • |
|                              |         |                                                                                           | 33 | -   | -   | -   | 2.7 | 9.1 | 15  | •   | •   | • | • |
|                              |         |                                                                                           | 36 | -   | -   | -   | -   | 8.2 | 14  | •   | •   | • | • |
|                              |         |                                                                                           | 39 | -   | -   | -   | -   | 7   | 13  | 19  | •   | • | • |
| Main boom length [m]         | SL8-114 | F2 [m]                                                                                    | 12 | -   | -   | -   | -   | 9.4 | 16  | •   | •   | • | • |
|                              |         |                                                                                           | 15 | -   | -   | -   | -   | 8.1 | 15  | •   | •   | • | • |
|                              |         |                                                                                           | 18 | -   | -   | -   | -   | 7.3 | 14  | •   | •   | • | • |
|                              |         |                                                                                           | 21 | -   | -   | -   | -   | 6.1 | 12  | 19  | •   | • | • |
|                              |         |                                                                                           | 24 | -   | -   | -   | -   | 5.3 | 11  | 18  | •   | • | • |
|                              |         |                                                                                           | 27 | -   | -   | -   | -   | 4.1 | 10  | 17  | •   | • | • |
|                              |         |                                                                                           | 30 | -   | -   | -   | -   | 3.7 | 10  | 16  | •   | • | • |
|                              |         |                                                                                           | 33 | -   | -   | -   | -   | 2.6 | 8.7 | 14  | •   | • | • |
|                              |         |                                                                                           | 36 | -   | -   | -   | -   | -   | 7.9 | 13  | 19  | • | • |
|                              |         |                                                                                           | 39 | -   | -   | -   | -   | -   | 6.6 | 12  | 18  | • | • |

- Hook block weight up to 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.

SL8DF2B – operation, turntable ballast 250t / central ballast 130t  
SL8F2: F-connector head

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Page: 4 of 6

On crawlers 9.6m x 9.2m x 2.0m  
Ground slope: maximum 0.3°  
Without mechanical auxiliary support

System: S 3228.40/25/20/15  
D 2825.25/20  
F 2318.10

**Wind speeds:**

maximum 9.0m/s: for all boom lengths and wind direction 360°.  
maximum 12.8m/s: for boom lengths below 140m and wind direction 360°. With a total boom length above 140m (highlighted in gray in the chart), erection / take-down is only permissible with wind from the front or from the rear on the boom. The permissible inflow angle range is ±25°.

| SL8DF2B<br>DR 15m<br>DBR 15m |         | Permissible weight of the hook block [t] on the F2-boom                                   |    |     |     |     |     |     |     |     |     |     |     |
|------------------------------|---------|-------------------------------------------------------------------------------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
|                              |         | For derrick ballast [t]<br>for derrick radius (DR) 15m / derrick ballast radius (DBR) 15m |    |     |     |     |     |     |     |     |     |     |     |
|                              |         | 0                                                                                         | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 |     |     |
| Main boom length [m]         | SL8-120 | F2 [m]                                                                                    | 12 | -   | -   | -   | -   | 2.8 | 9.7 | 16  | •   | •   | •   |
|                              |         |                                                                                           | 15 | -   | -   | -   | -   | -   | 8.4 | 15  | •   | •   | •   |
|                              |         |                                                                                           | 18 | -   | -   | -   | -   | -   | 7.6 | 14  | •   | •   | •   |
|                              |         |                                                                                           | 21 | -   | -   | -   | -   | -   | 6.4 | 12  | 19  | •   | •   |
|                              |         |                                                                                           | 24 | -   | -   | -   | -   | -   | 5.6 | 11  | 18  | •   | •   |
|                              |         |                                                                                           | 27 | -   | -   | -   | -   | -   | 4.4 | 10  | 16  | •   | •   |
|                              |         |                                                                                           | 30 | -   | -   | -   | -   | -   | 4   | 10  | 16  | •   | •   |
|                              |         |                                                                                           | 33 | -   | -   | -   | -   | -   | 2.8 | 8.8 | 14  | 19  | 19  |
|                              |         |                                                                                           | 36 | -   | -   | -   | -   | -   | 2.1 | 7.9 | 13  | 18  | 18  |
|                              |         |                                                                                           | 39 | -   | -   | -   | -   | -   | -   | 6.7 | 12  | 17  | 17  |
| Main boom length [m]         | SL8-126 | F2 [m]                                                                                    | 12 | -   | -   | -   | -   | -   | -   | 8.9 | 15  | •   | •   |
|                              |         |                                                                                           | 15 | -   | -   | -   | -   | -   | -   | 7.6 | 14  | 19  | •   |
|                              |         |                                                                                           | 18 | -   | -   | -   | -   | -   | -   | 6.8 | 13  | 18  | 19  |
|                              |         |                                                                                           | 21 | -   | -   | -   | -   | -   | -   | 5.6 | 11  | 17  | 18  |
|                              |         |                                                                                           | 24 | -   | -   | -   | -   | -   | -   | 4.9 | 10  | 15  | 17  |
|                              |         |                                                                                           | 27 | -   | -   | -   | -   | -   | -   | 3.7 | 9.6 | 14  | 15  |
|                              |         |                                                                                           | 30 | -   | -   | -   | -   | -   | -   | 3.3 | 9.1 | 14  | 15  |
|                              |         |                                                                                           | 33 | -   | -   | -   | -   | -   | -   | 2.2 | 7.9 | 12  | 13  |
|                              |         |                                                                                           | 36 | -   | -   | -   | -   | -   | -   | -   | 7   | 11  | 12  |
|                              |         |                                                                                           | 39 | -   | -   | -   | -   | -   | -   | -   | 5.8 | 10  | 11  |
| Main boom length [m]         | SL8-132 | F2 [m]                                                                                    | 12 | -   | -   | -   | -   | -   | -   | 2.2 | 8.4 | 13  | 15  |
|                              |         |                                                                                           | 15 | -   | -   | -   | -   | -   | -   | -   | 7.2 | 12  | 14  |
|                              |         |                                                                                           | 18 | -   | -   | -   | -   | -   | -   | -   | 6.4 | 11  | 13  |
|                              |         |                                                                                           | 21 | -   | -   | -   | -   | -   | -   | -   | 5.2 | 10  | 11  |
|                              |         |                                                                                           | 24 | -   | -   | -   | -   | -   | -   | -   | 4.5 | 9.3 | 10  |
|                              |         |                                                                                           | 27 | -   | -   | -   | -   | -   | -   | -   | 3.3 | 8.2 | 10  |
|                              |         |                                                                                           | 30 | -   | -   | -   | -   | -   | -   | -   | 3   | 7.8 | 9.2 |
|                              |         |                                                                                           | 33 | -   | -   | -   | -   | -   | -   | -   | -   | 6.5 | 8.1 |
|                              |         |                                                                                           | 36 | -   | -   | -   | -   | -   | -   | -   | -   | 5.6 | 7.3 |
|                              |         |                                                                                           | 39 | -   | -   | -   | -   | -   | -   | -   | -   | 4.5 | 6.1 |

- Hook block weight up to 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.

PROJECT:  
LR11000 SL8DF2B 114+12

LOCATION: -----  
BUCKNER CONTACT: Dan Ives, PE  
Dani@BucknerHeavyLift.com  
LIFT PLAN BY: Dan Ives, PE  
Dani@BucknerHeavyLift.com

DRAWING NOTES:  
Erection and Takedown –  
DBR 15m

FILE: C:\Users\Dan Ives\OneDrive – Buckner HeavyLift  
Cranes\Engineering\Drawings\BHL\Buckner\Build  
Sheets\LR 11000\LR 11000 – SL8DF2B 114m + 12m  
CREATED: 06.17.2024 10:55:32 AM  
EDITING TIME: 11h15m FILE SIZE: 9517.84Kb  
PAPER SIZE: ANSI B (17.00 x 11.00 Inches)  
SAVED: 06.17.2024 @ 10:55:20 AM  
PLOTTED: 06.17.2024 @ 10:55:32 AM

Revisions

All Sheets Same Revision Level

| Rev. | Date       | Description                           |
|------|------------|---------------------------------------|
| 000  | 06.17.2024 | Preliminary Planning & Initial Layout |
| 001  | ----       | ----                                  |
| 002  | ----       | ----                                  |
| 003  | ----       | ----                                  |
| 004  | ----       | ----                                  |
| 005  | ----       | ----                                  |
| 006  | ----       | ----                                  |
| 007  | ----       | ----                                  |
| 008  | ----       | ----                                  |
| 009  | ----       | ----                                  |
| 010  | ----       | ----                                  |

SHEET: 008 OF 012





**SL8DF2B – operation, turntable ballast 250t / central ballast 130t**  
**SL8F2: F-connector head**

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 Page: 5 of 6

On crawlers 9.6m x 9.2m x 2.0m  
 Ground slope: maximum 0.3°  
 Without mechanical auxiliary support

System: S 3228.40/25/20/15  
 D 2825.25/20  
 F 2318.10

**Wind speeds:**

**maximum 9.0m/s:** for all boom lengths and wind direction 360°.  
**maximum 12.8m/s:** for boom lengths below 140m and wind direction 360°. With a total boom length above 140m (highlighted in gray in the chart), erection / take-down is only permissible with wind from the front or from the rear on the boom. The permissible inflow angle range is ±25°.

| SL8DF2B<br>DR 18m<br>DBR 18m |         |        | Permissible weight of the hook block [t] on the F2-boom                                   |     |     |     |     |     |     |     |     |     |   |   |
|------------------------------|---------|--------|-------------------------------------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|---|---|
|                              |         |        | For derrick ballast [t]<br>for derrick radius (DR) 18m / derrick ballast radius (DBR) 18m |     |     |     |     |     |     |     |     |     |   |   |
|                              |         |        | 0                                                                                         | 50  | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 |   |   |
| Main boom length [m]         | SL8-102 | F2 [m] | 12                                                                                        | -   | 2.7 | 11  | •   | •   | •   | •   | •   | •   | • | • |
|                              |         |        | 15                                                                                        | -   | -   | 10  | 19  | •   | •   | •   | •   | •   | • | • |
|                              |         |        | 18                                                                                        | -   | -   | 9.6 | 18  | •   | •   | •   | •   | •   | • | • |
|                              |         |        | 21                                                                                        | -   | -   | 8.3 | 16  | •   | •   | •   | •   | •   | • | • |
|                              |         |        | 24                                                                                        | -   | -   | 7.4 | 15  | •   | •   | •   | •   | •   | • | • |
|                              |         |        | 27                                                                                        | -   | -   | 6.2 | 14  | •   | •   | •   | •   | •   | • | • |
|                              |         |        | 30                                                                                        | -   | -   | 5.7 | 13  | •   | •   | •   | •   | •   | • | • |
|                              |         |        | 33                                                                                        | -   | -   | 4.5 | 12  | •   | •   | •   | •   | •   | • | • |
|                              |         |        | 36                                                                                        | -   | -   | 3.7 | 11  | 18  | •   | •   | •   | •   | • | • |
| 39                           | -       | -      | 2.6                                                                                       | 10  | 17  | •   | •   | •   | •   | •   | •   |     |   |   |
| Main boom length [m]         | SL8-108 | F2 [m] | 12                                                                                        | -   | -   | 5.2 | 13  | •   | •   | •   | •   | •   | • |   |
|                              |         |        | 15                                                                                        | -   | -   | 3.9 | 12  | •   | •   | •   | •   | •   | • |   |
|                              |         |        | 18                                                                                        | -   | -   | 3.2 | 11  | 19  | •   | •   | •   | •   | • |   |
|                              |         |        | 21                                                                                        | -   | -   | 2.1 | 10  | 18  | •   | •   | •   | •   | • |   |
|                              |         |        | 24                                                                                        | -   | -   | -   | 9.3 | 17  | •   | •   | •   | •   | • |   |
|                              |         |        | 27                                                                                        | -   | -   | -   | 8.1 | 15  | •   | •   | •   | •   | • |   |
|                              |         |        | 30                                                                                        | -   | -   | -   | 7.6 | 15  | •   | •   | •   | •   | • |   |
|                              |         |        | 33                                                                                        | -   | -   | -   | 6.3 | 13  | •   | •   | •   | •   | • |   |
|                              |         |        | 36                                                                                        | -   | -   | -   | 5.5 | 12  | •   | •   | •   | •   | • |   |
| 39                           | -       | -      | -                                                                                         | 4.3 | 11  | 18  | •   | •   | •   | •   |     |     |   |   |
| Main boom length [m]         | SL8-114 | F2 [m] | 12                                                                                        | -   | -   | -   | 6.3 | 14  | •   | •   | •   | •   | • |   |
|                              |         |        | 15                                                                                        | -   | -   | -   | 5   | 13  | •   | •   | •   | •   | • |   |
|                              |         |        | 18                                                                                        | -   | -   | -   | 4.3 | 12  | •   | •   | •   | •   | • |   |
|                              |         |        | 21                                                                                        | -   | -   | -   | 3.2 | 10  | 18  | •   | •   | •   | • |   |
|                              |         |        | 24                                                                                        | -   | -   | -   | 2.5 | 10  | 17  | •   | •   | •   | • |   |
|                              |         |        | 27                                                                                        | -   | -   | -   | -   | 8.8 | 16  | •   | •   | •   | • |   |
|                              |         |        | 30                                                                                        | -   | -   | -   | -   | 8.3 | 15  | •   | •   | •   | • |   |
|                              |         |        | 33                                                                                        | -   | -   | -   | -   | 7   | 14  | •   | •   | •   | • |   |
|                              |         |        | 36                                                                                        | -   | -   | -   | -   | 6.2 | 13  | •   | •   | •   | • |   |
| 39                           | -       | -      | -                                                                                         | -   | 5   | 11  | 18  | •   | •   | •   |     |     |   |   |

- Hook block weight up to 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.

**SL8DF2B – operation, turntable ballast 250t / central ballast 130t**  
**SL8F2: F-connector head**

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 Page: 6 of 6

On crawlers 9.6m x 9.2m x 2.0m  
 Ground slope: maximum 0.3°  
 Without mechanical auxiliary support

System: S 3228.40/25/20/15  
 D 2825.25/20  
 F 2318.10

**Wind speeds:**

**maximum 9.0m/s:** for all boom lengths and wind direction 360°.  
**maximum 12.8m/s:** for boom lengths below 140m and wind direction 360°. With a total boom length above 140m (highlighted in gray in the chart), erection / take-down is only permissible with wind from the front or from the rear on the boom. The permissible inflow angle range is ±25°.

| SL8DF2B<br>DR 18m<br>DBR 18m |         |        | Permissible weight of the hook block [t] on the F2-boom                                   |    |     |     |     |     |     |     |     |     |   |
|------------------------------|---------|--------|-------------------------------------------------------------------------------------------|----|-----|-----|-----|-----|-----|-----|-----|-----|---|
|                              |         |        | For derrick ballast [t]<br>for derrick radius (DR) 18m / derrick ballast radius (DBR) 18m |    |     |     |     |     |     |     |     |     |   |
|                              |         |        | 0                                                                                         | 50 | 100 | 150 | 200 | 250 | 300 | 350 | 400 | 450 |   |
| Main boom length [m]         | SL8-120 | F2 [m] | 12                                                                                        | -  | -   | -   | -   | 7.8 | 15  | •   | •   | •   | • |
|                              |         |        | 15                                                                                        | -  | -   | -   | -   | 6.5 | 14  | •   | •   | •   | • |
|                              |         |        | 18                                                                                        | -  | -   | -   | -   | 5.7 | 13  | •   | •   | •   | • |
|                              |         |        | 21                                                                                        | -  | -   | -   | -   | 4.6 | 12  | 19  | •   | •   | • |
|                              |         |        | 24                                                                                        | -  | -   | -   | -   | 3.8 | 11  | 18  | •   | •   | • |
|                              |         |        | 27                                                                                        | -  | -   | -   | -   | 2.7 | 9.8 | 16  | •   | •   | • |
|                              |         |        | 30                                                                                        | -  | -   | -   | -   | 2.3 | 9.3 | 16  | •   | •   | • |
|                              |         |        | 33                                                                                        | -  | -   | -   | -   | -   | 8   | 14  | •   | •   | • |
|                              |         |        | 36                                                                                        | -  | -   | -   | -   | -   | 7.2 | 13  | •   | •   | • |
| 39                           | -       | -      | -                                                                                         | -  | -   | 5.9 | 12  | 18  | •   | •   |     |     |   |
| Main boom length [m]         | SL8-126 | F2 [m] | 12                                                                                        | -  | -   | -   | -   | 8   | 15  | •   | •   | •   |   |
|                              |         |        | 15                                                                                        | -  | -   | -   | -   | 6.8 | 14  | •   | •   | •   |   |
|                              |         |        | 18                                                                                        | -  | -   | -   | -   | 6   | 13  | •   | •   | •   |   |
|                              |         |        | 21                                                                                        | -  | -   | -   | -   | 4.9 | 12  | 19  | •   | •   |   |
|                              |         |        | 24                                                                                        | -  | -   | -   | -   | 4.1 | 11  | 17  | 19  | •   |   |
|                              |         |        | 27                                                                                        | -  | -   | -   | -   | 2.9 | 9.8 | 16  | 18  | 19  |   |
|                              |         |        | 30                                                                                        | -  | -   | -   | -   | 2.6 | 9.3 | 15  | 17  | 18  |   |
|                              |         |        | 33                                                                                        | -  | -   | -   | -   | -   | 8   | 14  | 16  | 17  |   |
|                              |         |        | 36                                                                                        | -  | -   | -   | -   | -   | 7.2 | 13  | 15  | 16  |   |
| 39                           | -       | -      | -                                                                                         | -  | -   | 6   | 12  | 14  | 14  |     |     |     |   |
| Main boom length [m]         | SL8-132 | F2 [m] | 12                                                                                        | -  | -   | -   | -   | -   | 8.6 | 12  | 12  | 12  |   |
|                              |         |        | 15                                                                                        | -  | -   | -   | -   | -   | 7.3 | 11  | 11  | 11  |   |
|                              |         |        | 18                                                                                        | -  | -   | -   | -   | -   | 6.6 | 12  | 12  | 12  |   |
|                              |         |        | 21                                                                                        | -  | -   | -   | -   | -   | 5.4 | 12  | 12  | 12  |   |
|                              |         |        | 24                                                                                        | -  | -   | -   | -   | -   | 4.6 | 11  | 12  | 12  |   |
|                              |         |        | 27                                                                                        | -  | -   | -   | -   | -   | 3.5 | 9.7 | 12  | 12  |   |
|                              |         |        | 30                                                                                        | -  | -   | -   | -   | -   | 3.1 | 9.3 | 11  | 12  |   |
|                              |         |        | 33                                                                                        | -  | -   | -   | -   | -   | 2   | 8   | 10  | 11  |   |
|                              |         |        | 36                                                                                        | -  | -   | -   | -   | -   | -   | 7.3 | 9.5 | 10  |   |
| 39                           | -       | -      | -                                                                                         | -  | -   | -   | 6   | 8.4 | 9.2 |     |     |     |   |

- Hook block weight up to 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.

PROJECT:  
 LR11000 SL8DF2B 114+12

LOCATION: -----  
 BUCKNER CONTACT: Dan Ives, PE  
 Dani@BucknerHeavyLift.com  
 LIFT PLAN BY: Dan Ives, PE  
 Dani@BucknerHeavyLift.com

DRAWING NOTES:  
 Erection and Takedown –  
 DBR 18m

FILE: C:\Users\Dan Ives\OneDrive – Buckner HeavyLift  
 Cranes\Engineering\Drawings\BHL\Buckner\Build  
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 EDITING TIME: 11h15m FILE SIZE: 9517.84Kb  
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Revisions

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| Rev. | Date       | Description                           |
|------|------------|---------------------------------------|
| 000  | 06.17.2024 | Preliminary Planning & Initial Layout |
| 001  | ----       | ----                                  |
| 002  | ----       | ----                                  |
| 003  | ----       | ----                                  |
| 004  | ----       | ----                                  |
| 005  | ----       | ----                                  |
| 006  | ----       | ----                                  |
| 007  | ----       | ----                                  |
| 008  | ----       | ----                                  |
| 009  | ----       | ----                                  |
| 010  | ----       | ----                                  |

SHEET: 009 OF 012

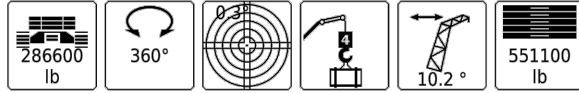


LR 11000 -- 098260

T235.070.00303

EN 13000

SL8DF2B: SL8-374ft D-118ft F2-39ft10° B

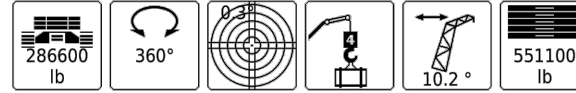


LR 11000 -- 098260

T235.070.00303

EN 13000

SL8DF2B: SL8-374ft D-118ft F2-39ft10° B



PROJECT: LR11000 SL8DF2B 114+12

LOCATION: BUCKNER CONTACT: Dan Ives, PE Dani@BucknerHeavylift.com LIFT PLAN BY: Dan Ives, PE Dani@BucknerHeavylift.com

DRAWING NOTES: Load Chart 1

Table with columns for height (ft) and load capacity (x1000lb) for LR 11000 crane. Includes a summary table at the bottom with rows for x1000lb, ft, EST1, and ft/s.

Table with columns for height (ft) and load capacity (x1000lb) for LR 11000 crane. Includes a summary table at the bottom with rows for x1000lb, ft, EST1, and ft/s.

FILE: C:\Users\Dan Ives\OneDrive - Buckner Heavylift Cranes\Engineering\Drawings\BHL\Buckner\Build Sheets\LR 11000\LR 11000 - SL8DF2B 114m + 12m CREATED: 06.17.2024 10:55:33 AM EDITING TIME: 11h15m FILE SIZE: 9517.84Kb PAPER SIZE: ANSI B (17.00 x 11.00 Inches) SAVED: 06.17.2024 @ 10:55:20 AM PLOTTED: 06.17.2024 @ 10:55:33 AM

Revisions table with columns: Rev., Date, Description. Includes a note: 'All Sheets Same Revision Level'.

SHEET: 010 OF 012

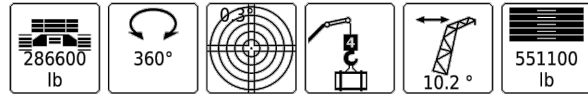


LR 11000 -- 098260

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EN 13000

SL8DF2B: SL8-374ft D-118ft F2-39ft10° B

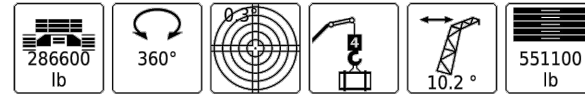


LR 11000 -- 098260

T235.070.00303

EN 13000

SL8DF2B: SL8-374ft D-118ft F2-39ft10° B



PROJECT: LR11000 SL8DF2B 114+12

LOCATION: BUCKNER CONTACT: Dan Ives, PE Dani@BucknerHeavyLift.com LIFT PLAN BY: Dan Ives, PE Dani@BucknerHeavyLift.com

DRAWING NOTES: Load Chart 2

Table with columns for height (ft) and load capacity (x1000lb) for various crane configurations. Includes a summary row at the bottom with values like 440.9, 551.1, 661.4, etc.

Table with columns for height (ft) and load capacity (x1000lb) for various crane configurations. Includes a summary row at the bottom with values like 661.4, 771.6, 881.8, etc.

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Revisions table with columns: Rev., Date, Description. Contains one entry: 000, 06.17.2024, Preliminary Planning & Initial Layout.

SHEET: 011 OF 012



