



LIFT PLAN

COVALENT LITHIUM EXISTING STACK REMOVAL

Revisions;

A	Issued For Approval	2-Jun-26	GM		
Rev	Description	Date	Prepared	Checked	Approved

Name

Signature

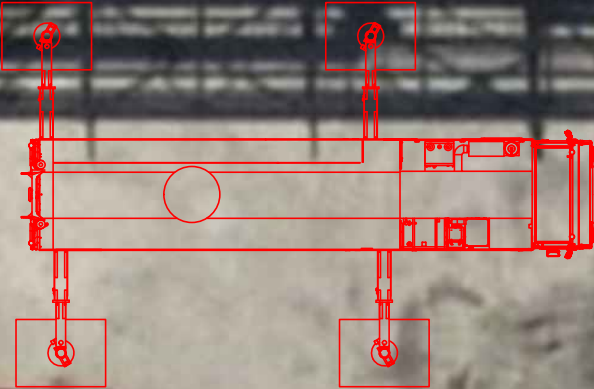
Date

For LPA	Study created by	Guy McGowan	<i>Guy McGowan</i>	2-Jun-26
For Client	Chkd / Appr. by			
3rd Party Reviewer	Chkd / Appr. by			

DISCLAIMER:
THIS DRAWING IS BASED SOLELY ON THE INFORMATION PROVIDED BY THE NAMED CLIENT AND / OR CONTACT PERSON. NO LIFT OR PROCEDURE DESCRIBED HEREIN SHOULD BE CARRIED OUT WITHOUT REFERENCE TO THE SPECIFIC LOADCHART AND / OR OPERATION MANUAL FOR THE CRANE/S AND/OR PLANT DEPICTED. IT IS ASSUMED THAT THE GROUND OR OTHER SUPPORTING STRUCTURE IS LEVEL AND OF SUFFICIENT COMPACTION OR STRENGTH TO SAFELY WITHSTAND IMPOSED LOADINGS FROM THE EQUIPMENT DEPICTED UNDER ALL OPERATING CONDITIONS. CAPACITY AND CONDITION OF ALL RIGGING HARDWARE, SLINGS/CHAINS, SPREADERS, ETC. HAVE NOT BEEN CHECKED IT REMAINS THE RESPONSIBILITY OF THE LIFTING CONTRACTOR TO ENSURE ITEM IS RIGGED WITH LIFTING HARDWARE OF SUFFICIENT CAPACITY. IT REMAINS THE RESPONSIBILITY OF THE LIFTING CONTRACTOR TO ENSURE A STABLE, SECURE LIFT.

CRANE DETAILS - DUAL CRANE LIFT				
MAKE	DEMAG			
MODEL	AC300			
CRANE MRC	300			t
LMI CODE	78			
CONFIGURATION	HA			
COUNTERWEIGHT	49.8			t
MAIN BOOM LENGTH	73.9			m
MAIN BOOM CONFIG.	90,90,90,90,90,90			%
JIB TYPE / OFFSET	N/A			°
JIB LENGTH	N/A			m
MAIN / AUX. HOOK?	AUX			
OEM CHART WIND SPEED	9.8			m/sec
LOAD DETAILS				
MAX. LOAD SHARE	3500			kg
CRANE COMPONENTS	714			kg
RIGGING	42			kg
TOTAL LIFT WEIGHT	4256			kg
REEVING CHECK				
LINE PULL	11700			kg
No. OF PARTS	1			
FACTORED LINE PULL	11700			kg
LOAD TO HOOK	4256			kg
REEVING UTILISATION	36.4			%
GROUND BEARING PRESSURES (MAXIMUM)				
OUTRIGGER PAD SIZE	2.5	x	2.0	m
OUTRIGGER PAD AREA	5.00			m2
OUTRIGGER PAD WEIGHT	1.0			t
MAXIMUM JACK FORCE	48.0			t
TOTAL DOWN FORCE	49.0			t
PRESSURE UNDER PAD	9.8			t/m2
PRESSURE UNDER PAD	96.1			kPa

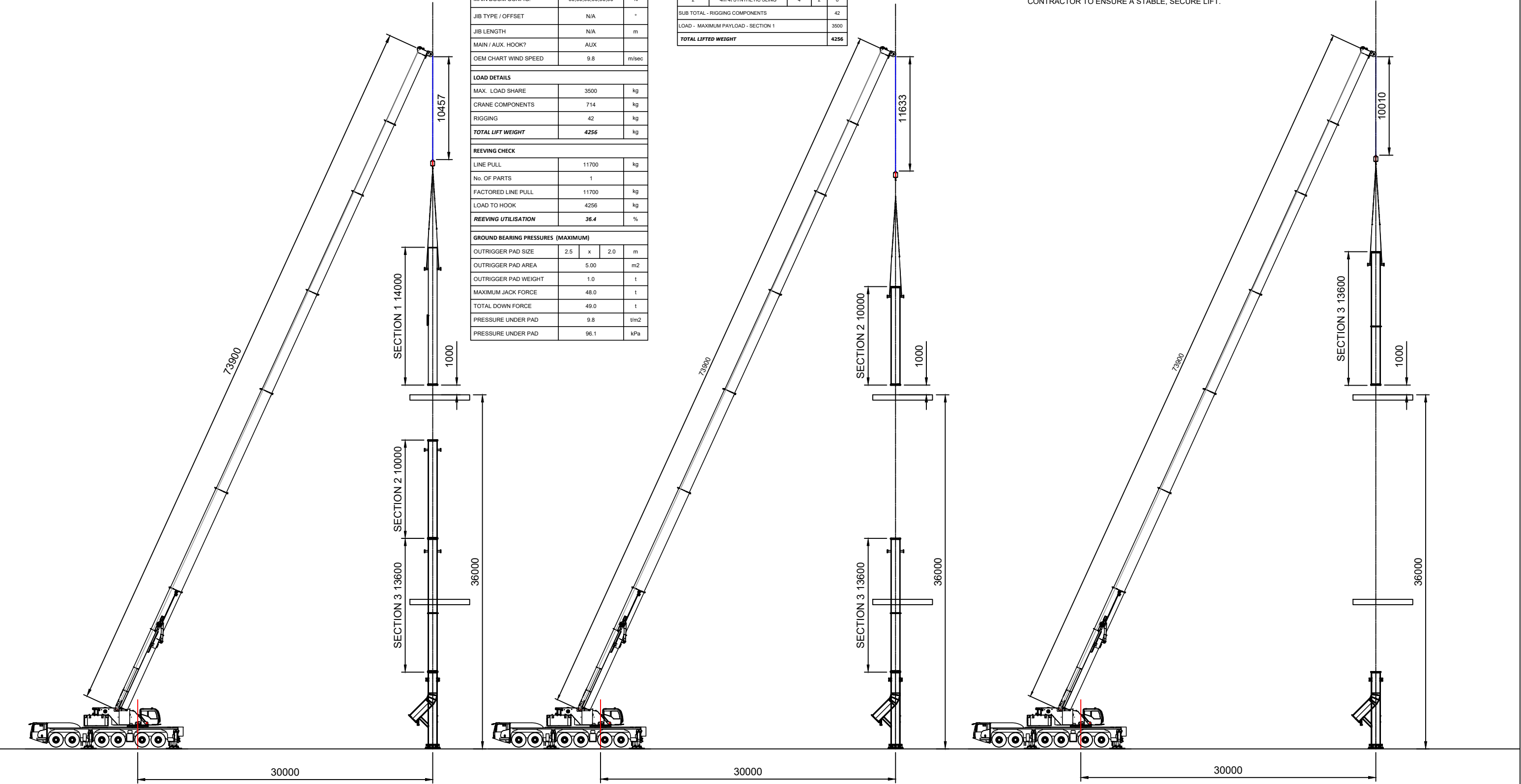
TOTAL LIFTED WEIGHT CALCULATIONS (ALL WEIGHTS IN KILOGRAMS)							
CRANE COMPONENTS - AC 300							
AUX. HOOK	WLL 12.5t					500	
AUX. ROPE	2.67	kg/m	80	m HEIGHT	1	FALLS	214
SUB TOTAL - CRANE COMPONENTS							714
RIGGING COMPONENTS							
ITEM	DESCRIPTION			WEIGHT	QTY	MASS	
1	6m 2 LEG 10mm CHAIN SLING			34	1	34	
2	4m 4t SYNTHETIC SLING			4	2	8	
SUB TOTAL - RIGGING COMPONENTS							42
LOAD - MAXIMUM PAYLOAD - SECTION 1							3500
TOTAL LIFTED WEIGHT							4256



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P85400

Capacities on Main Boom

HA

Capacity (t) = Load + Hook Block

Slew Range
Outrigger length
Outrigger width
Counterweight

360 °
8,68 m
8,48 m
49,8 t

Main Boom Length (m)
Radius (m)

64	68,9	69	69	73,9	73,9	80
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14	26,2						
16	24,7	20,6	22,8	22,3	18,4	19,3	
18	22,9	19,5	22	21,4	18,1	19,3	15
20	21,1	18,2	20,8	20,1	17,4	18,9	15
22	19,3	16,9	19,3	18,8	16,5	18,1	15
24	17,8	15,7	16,9	17,5	15,5	17,2	14,6
26	16,4	14,4	14,8	16	14,4	15,1	14
28	14,6	13,3	12,7	14	13,4	13,3	13
30	12,8	12,3	10,9	12,2	12,3	11,5	11,5
32	11,3	11,4	9,4	10,7	10,7	10	9,9
34	10	10,1	8	9,3	9,4	8,6	8,6
36	8,8	8,9	6,9	8,1	8,2	7,5	7,4
38	7,8	7,9	5,9	7,1	7,2	6,5	6,4
40	6,8	7	5	6,2	6,2	5,5	5,5
42	6	6,1	4,2	5,4	5,4	4,7	4,7
44	5,3	5,4	3,4	4,7	4,7	4	3,9
46	4,6	4,7	2,8	4	4	3,3	3,3
48	4	4,1	2,2	3,4	3,4	2,7	2,7
50	3,5	3,6	1,6	2,9	2,9	2,2	2,1
54	2,6	2,6		1,9	1,9	1,3	1,2
58	1,8	1,8		1,1	1,1		
62		1,1					
single hook block	3	2	2	2	2	2	2
LK-Code	73	74	75	76	77	78	79
Tele 1 (%)	0	0	90	45	45	90	100
Tele 2 (%)	90	100	90	90	100	90	100
Tele 3 (%)	90	100	90	90	100	90	100
Tele 4 (%)	90	100	90	90	100	90	100
Tele 5 (%)	90	100	90	90	100	90	100
Tele 6 (%)	90	100	45	90	100	90	100

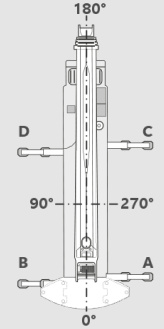
OUTRIGGER REACTION

AC 6.300-1 (Standard) Main boom

CONFIGURATION

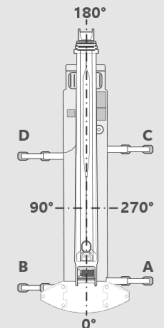
Jib - Configuration [m]	0	Slewing angle	Maximum ground bearing load in service in working area	Number of ropes	1
Jib - Adjustment angle [°]	0	Hook block [t Lifting load]	Type: 12 t / Weight: 0,50 t	Usable rope length [m]	292.07 m
Boom length [m]	73.9 m	Weight of slings [t]	0.042 t	Underfloor height [m]	-226.5 m
Boom extension sequence [%]	90-90-90-90-90	Working radius [m]	30.0 m	Center of gravity X (to slewing center [m])	
Counterweight [t]	49.8 t	Boom angle [°]	65.1 °	Center of gravity Y (to slewing center [m])	
Outrigger base [m]	8.5 m	Lifting load [t] (max. 11.0)	3.5 t		

GROUND FORCES [t]

		Outrigger			
		C	A	B	D
	Slewing angle [°]				
	44.0	14	30	47	31
	133.0	30	13	31	48
	225.0	47	31	14	30
	313.0	31	48	30	13

Maximum ground bearing load in service in working area

At 0 t lifting load

		Outrigger			
		C	A	B	D
	Slewing angle [°]				
	44.0	23	29	36	30
	133.0	30	22	29	37
	224.0	37	29	22	30
	313.0	30	36	29	23

Maximum ground bearing load in service in working area