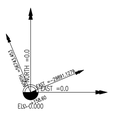
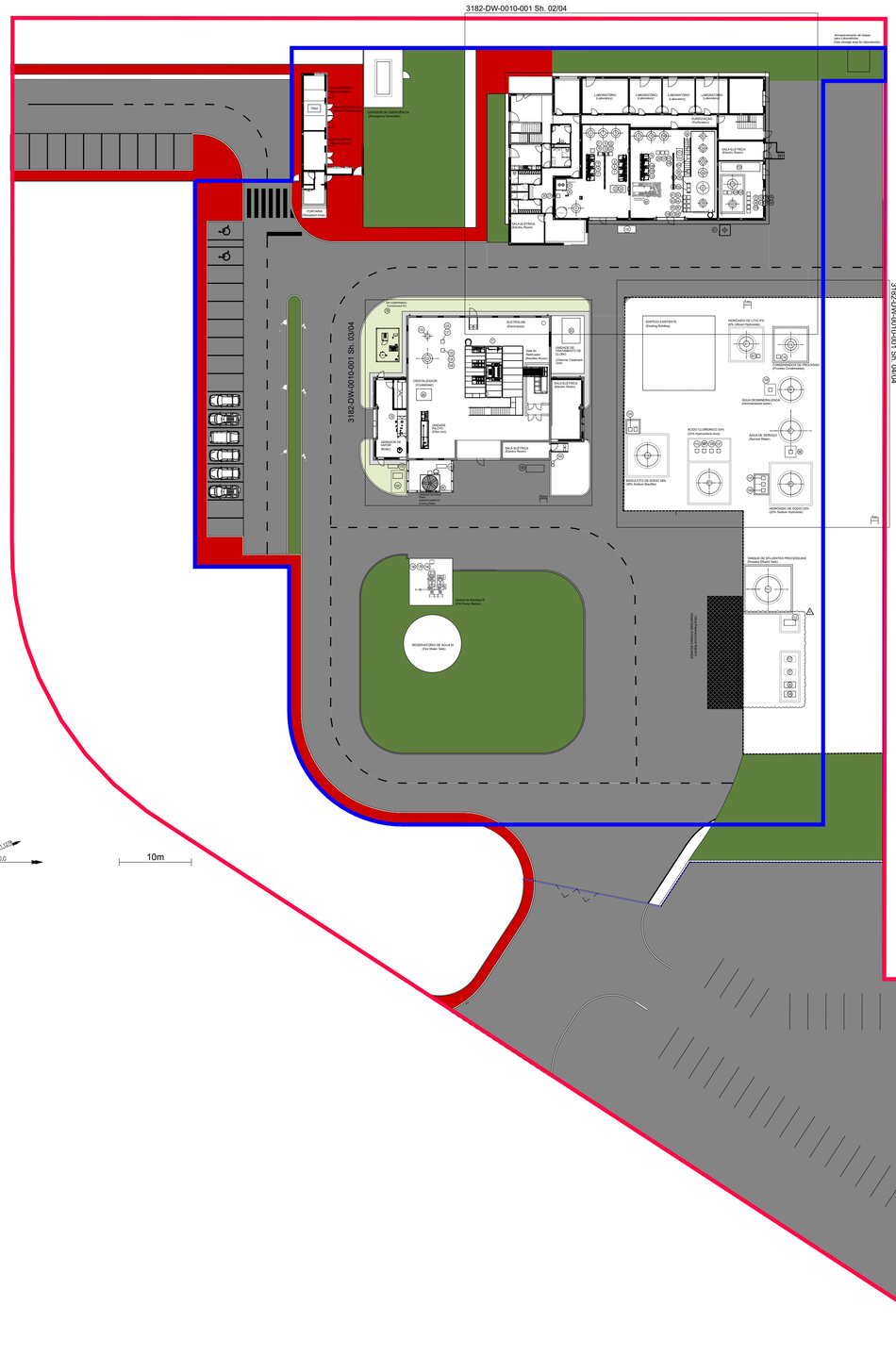


DETALHE A (See Detail A)

Scale 1:200



10m



PLANT ELEVATION 0.000m, CORRESPONDS TO TOPOGRAPHIC ELEVATION +158.60m.
ORIGIN OF LOCAL COORDINATES SYSTEM (+0.0, +0.0), CORRESPONDS TO TOPOGRAPHIC COORDINATES:
N= 56743.453
E= -29891.128
TOPOGRAPHIC NATIONAL COORDINATES IN THE DATUM 73. COORDINATES IN METERS.

– ÁREA DO LOTE
– ÁREA AFETA À ATIVIDADE



REFERENCE DRAWING	DWG. NO.

SR. Nr.	TAG Nr.	ITEM DESCRIPTION	SR. Nr.	TAG Nr.	ITEM DESCRIPTION
1	T02.01	DNALEN'S COLUMNS FEED TANK			
2	T02.02	BORON COLUMNS FEED TANK	102	P00.02	LCI BRINE PUMP
3	T02.03	SILICA COLUMNS FEED TANK	103	E00.01	LCI BRINE COOLER
4	T03.01	NANOFILTRATION FEED TANK	104	P00.27	IBC BRINE PUMP
5	T03.02	NANOFILTRATION BUFFER TANK	105	D60.01	NITROGEN VESSEL
6	E02.01	DNALEN'S COLUMNS FEED HEATER			
7	C02.01	DNALEN'S COLUMN	107	P00.25	HCl 33%ₑ SOLUTION PUMP
8	C02.02	DNALEN'S COLUMN	108	P00.26	HCl 33%ₑ SOLUTION PUMP
9	C02.03	DNALEN'S COLUMN	109	P00.24	NaOH 20%ₑ PUMP
10	P02.01	DNALEN'S COLUMNS FEED PUMP	110	P00.22	NaOH 20%ₑ PUMP
11	PK01.01	BRINE FILTRATION PACKAGE	111	T50.01	INDUSTRIAL EFFLUENT TANK
			112	P50.01	INDUSTRIAL EFFLUENT PUMP
			113	T00.08	PULPING TANK
			114	T60.03	PROCESS CONDENSATES TANK
15	T01.02	FILTRATED BRINE BUFFER TANK	115	P00.30	HCl 33%ₑ PUMP
16	E02.02	BORON COLUMNS FEED HEATER	116	P60.03	PROCESS CONDENSATES PUMP
17	C02.11	BORON COLUMN	117	P00.32	NaHSO3 38% UNLOADING PUMP (Future Expansion)
18	C02.12	BORON COLUMN	118	T00.10	NaHSO3 38% STORAGE TANK
19	C02.13	BORON COLUMN	119	R10.01	ANOLYTE DECHLORINATION REACTOR
			120	P10.02	ANOLYTE DECHLORINATION REACTOR PUMP
21	P02.02	BORON COLUMNS FEED PUMP	121	E10.01	ANOLYTE DECHLORINATION REACTOR COOLER
22	E02.03	SILICA FEED HEATER	122	T10.01	ULTRAPURE CONCENTRATED BRINE BUFFER TANK
23	C02.21	SILICA COLUMN	123	P10.01	ULTRAPURE CONCENTRATED BRINE PUMP
24	C02.22	SILICA COLUMN	124	P00.33	NaHSO3 38% DOSING PUMP
25	P02.03	SILICA COLUMNS FEED PUMP			
26	E03.01	NANOFILTRATION RECIRCULATION HEATER			
27	P03.01	NANOFILTRATION FEED PUMP			
29	P03.03	PURIFIED BRINE PUMP	129	P00.35	PULPING TANK PUMP
30	F03.01	NANOFILTRATION PRE-FILTER	130	P00.31	IBC LiOH 6% DOSING PUMP
31	PK03.01 A/B	NANOFILTRATION PACKAGE	131	P01.05	FILTRATED BRINE RECIRCULATION PUMP
			132	P60.04_A	COOLING WATER PUMP
33	R01.01	PRECIPITATION REACTOR	133	P60.04_B	COOLING WATER PUMP
34	R01.02	PRECIPITATION REACTOR	134	F10.01A	PURIFIED BRINE FILTER
35	R01.03	PRECIPITATION REACTOR (Future Expansion)	135	P50.04	PROCESS EFFLUENT SUMP PUMP
36	T01.01	SLURRY TANK	136	P50.05	PROCESS EFFLUENT SUMP PUMP
37	R00.01	LCI BRINE REACTOR	137	P00.36	HCl 33% DOSING PUMP
38	T00.01	LCI BRINE BUFFER TANK	138	FW-P1	FIRE WATER PUMP
39	P00.01	LCI BRINE RECIRCULATION PUMP	139	FW-P2	FIRE WATER PUMP (SPARE DIESEL PUMP)
40	E00.02	LCI BRINE HEATER	140	FW-PJ	FIRE WATER JOCKEY PUMP
41	PK00.02	PURIFICATION UNIT SCRUBBER PACKAGE			
42	R00.02	LiOH SOLUTION REACTOR			
44	P00.04	LITHIUM HYDROXIDE SOLUTION PUMP	144	F10.01B	PURIFIED BRINE FILTER
45	P00.05	LITHIUM HYDROXIDE SOLUTION PUMP	145	P60.05	DEMINERALIZED WATER TRUCK UNLOADING PUMP
			146	T02.04	FLUORIDE COLUMNS FEED TANK
			147	P02.04	FLUORIDE COLUMNS FEED PUMP
48	P00.08	LITHIUM HYDROXIDE SOLUTION PUMP	148	E02.04	FLUORIDE COLUMNS FEED HEATER
49	P00.09	LITHIUM HYDROXIDE SOLUTION PUMP	149	C02.31	IX FLUORIDE COLUMN
50	P00.10	LITHIUM HYDROXIDE SOLUTION PUMP	150	C02.32	IX FLUORIDE COLUMN
51	P00.11	LITHIUM HYDROXIDE SOLUTION PUMP	151	C02.33	IX FLUORIDE COLUMN
52	P00.12	LITHIUM HYDROXIDE SOLUTION PUMP	152	PK60.05	COOLING WATER TREATMENT PACKAGE
53	P00.13	LITHIUM HYDROXIDE SOLUTION PUMP	153	PK00.01	CONVEYOR AND BAG BREAKER
54	R00.03	L2CO3 SOLUTION REACTOR	154	P00.38	HYDROCHORIC ACID SOLUTION PUMP
55	T00.03	L2CO3 SOLUTION BUFFER TANK	155	P00.37	LITHIUM HYDROXIDE SOLUTION PUMP
56	P00.03	L2CO3 BRINE PUMP			
57	P00.28	NaOH 20%ₑ TRUCK UNLOADING PUMP (Future Expansion)			
58	P01.04	SLURRY TANK PUMP			
59	R00.04	HCl SOLUTION REACTOR			
60	T00.04	HCl 7.5 wt% SOLUTION BUFFER TANK			
61	P00.14	HYDROCHORIC ACID SOLUTION PUMP			
62	P00.15	HYDROCHORIC ACID SOLUTION PUMP			
63	P00.16	HYDROCHORIC ACID SOLUTION PUMP			
64	P00.17	HYDROCHORIC ACID SOLUTION PUMP			
65	P00.18	HYDROCHORIC ACID SOLUTION PUMP			
66	P00.19	HYDROCHORIC ACID SOLUTION PUMP			
67	P00.20	HYDROCHORIC ACID SOLUTION PUMP			
68	P00.21	HYDROCHORIC ACID SOLUTION PUMP			
69	PK04.01	BRINE EVAPORATOR PACKAGE			
74	E04.02	PURIFIED BRINE COOLER			
77	PK10.01	ELECTROLYSIS PACKAGE			
78	PK60.02	COMPRESSED AIR PACKAGE			
79	PK60.04	STEAM GENERATOR UNIT PACKAGE			
81	T20.01	LiOH 6% BUFFER TANK			
82	P20.01	LITHIUM HYDROXIDE 6% PUMP			
83	PK10.02	CHLORINE TREATMENT UNIT PACKAGE			
86	PK60.01	COOLING WATER PACKAGE			
89	PK20.01	CRYSTALLIZATION PACKAGE			
90	P00.29	HCl 33%ₑ TRUCK UNLOADING PUMP			
91	T00.07	HCl 33 wt% SOLUTION STORAGE TANK			
93	T00.05	NaOH 20 wt% STORAGE TANK			
97	T60.02	SERVICE WATER TANK			
98	P60.02	SERVICE WATER PUMP			
99	T60.01	DEMINERALIZED WATER TANK			
100	P60.01	DEMINERALIZED WATER PUMP			

NOTES:

1 – SOME EQUIPMENTS ARE NOT FULLY DEFINED. LAYOUT COULD BE ADJUSTED.

REV.	MODIFICATIONS	DATE	PREPARED BY	CHECKED BY	TECHNICAL APPROVAL BY
0H	ISSUE FOR APPROVAL	11/07/25	MODV	AFCM	MODV
0G	ISSUE FOR APPROVAL (UPDATED LAYOUT)	07/07/25	MODV	AFCM	MODV
0F	ISSUE FOR APPROVAL	15/05/25	MODV	AFCM	MODV
0E	ISSUE FOR COMMENTS	29/01/25	EAPE	MODV	MODV
0D	ISSUE FOR COMMENTS	18/12/24	EAPE	MODV	MODV
0C	ISSUE FOR COMMENTS	24/10/24	EAPE	MODV	MODV
0B	ISSUE FOR COMMENTS	16/09/24	EAPE	MODV	MODV

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ISSUE RELEASED FOR:

COMMENTS

Project Manager

I. MESQUITA

PREPARED BY	01/08/24	EAPE
CHECKED BY	01/08/24	MODV
TECHNICAL APPROVAL BY	01/08/24	MODV
SCALE	1:400	
PLOTTING	1=1	
SIZE	A1	

LIFTHIUM ENERGY, SA
COIMBRA TECHNOLOGY CENTRE (CTC)

PLOT PLAN

TECHNOEDIF Engenharia

ORIG. DWG: REF.:

L00201-0100-EPI-SPP-1000
Sheet 01/04

0A | 0B | 0C | 0D | 0E | 0F | 0G | 0H

CAD FILE :L00201-0100-EPI-SPP-1000-0H.dwg

SUPERSEDES :

SUPERSEDED BY :