

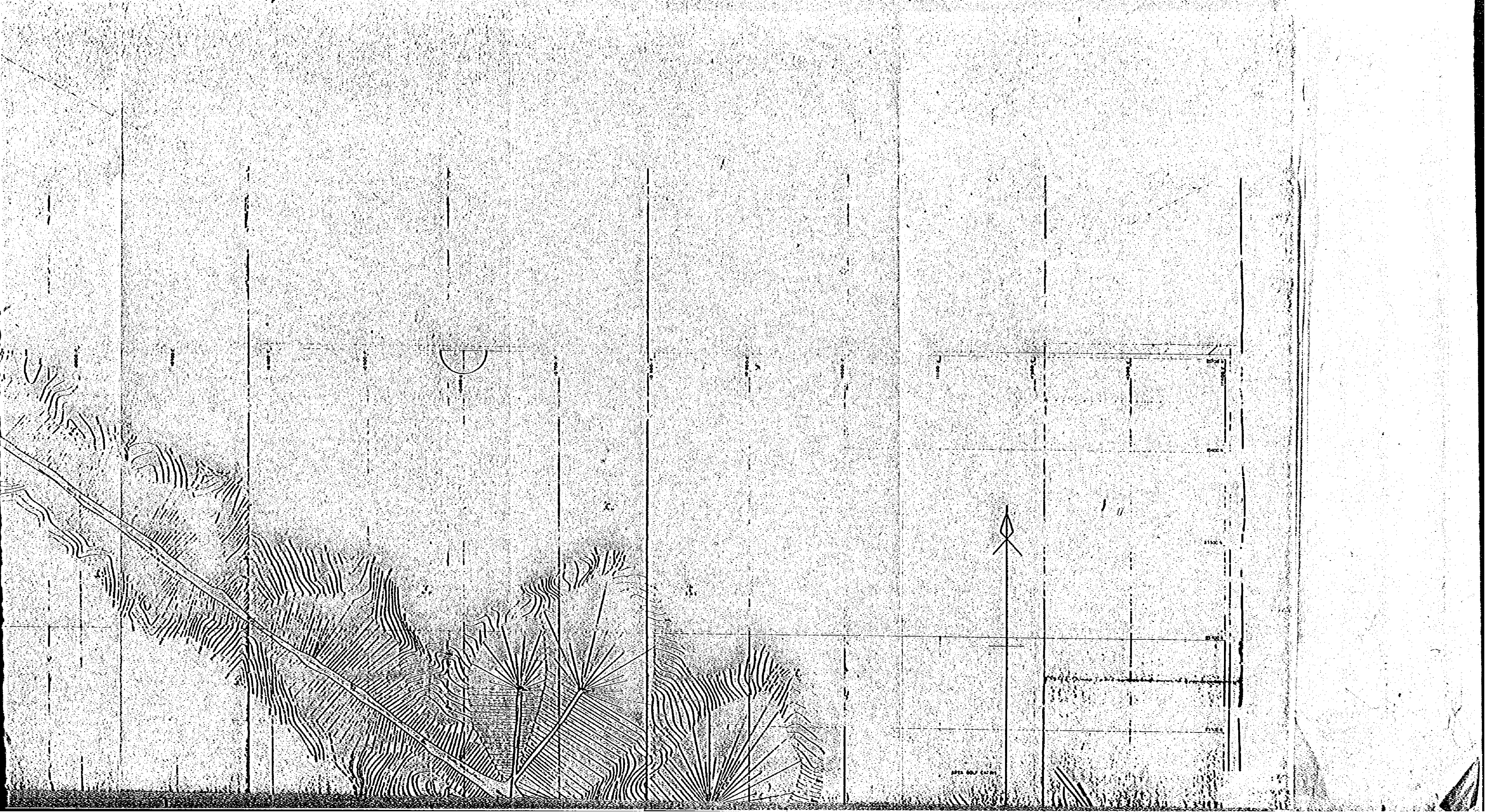
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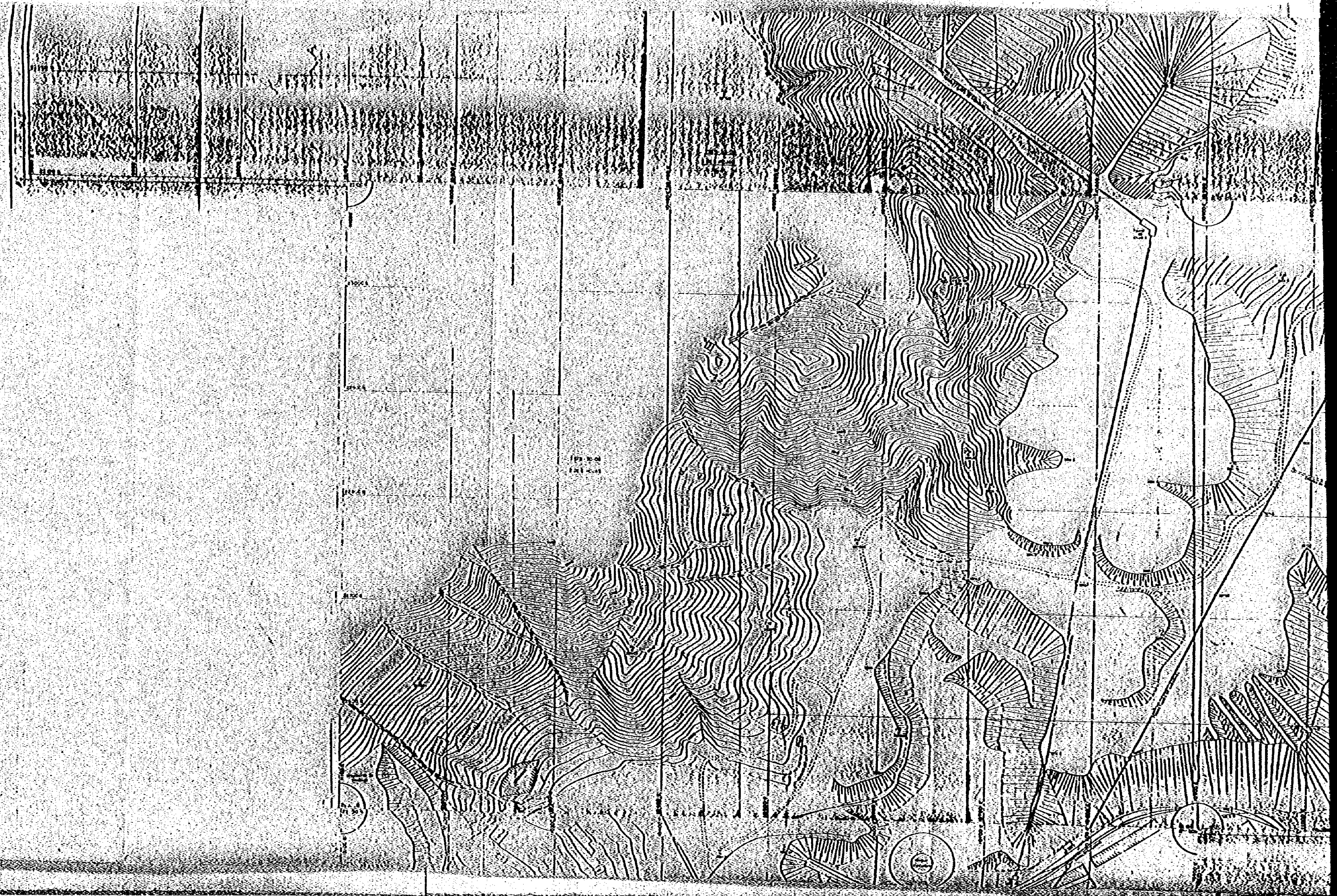
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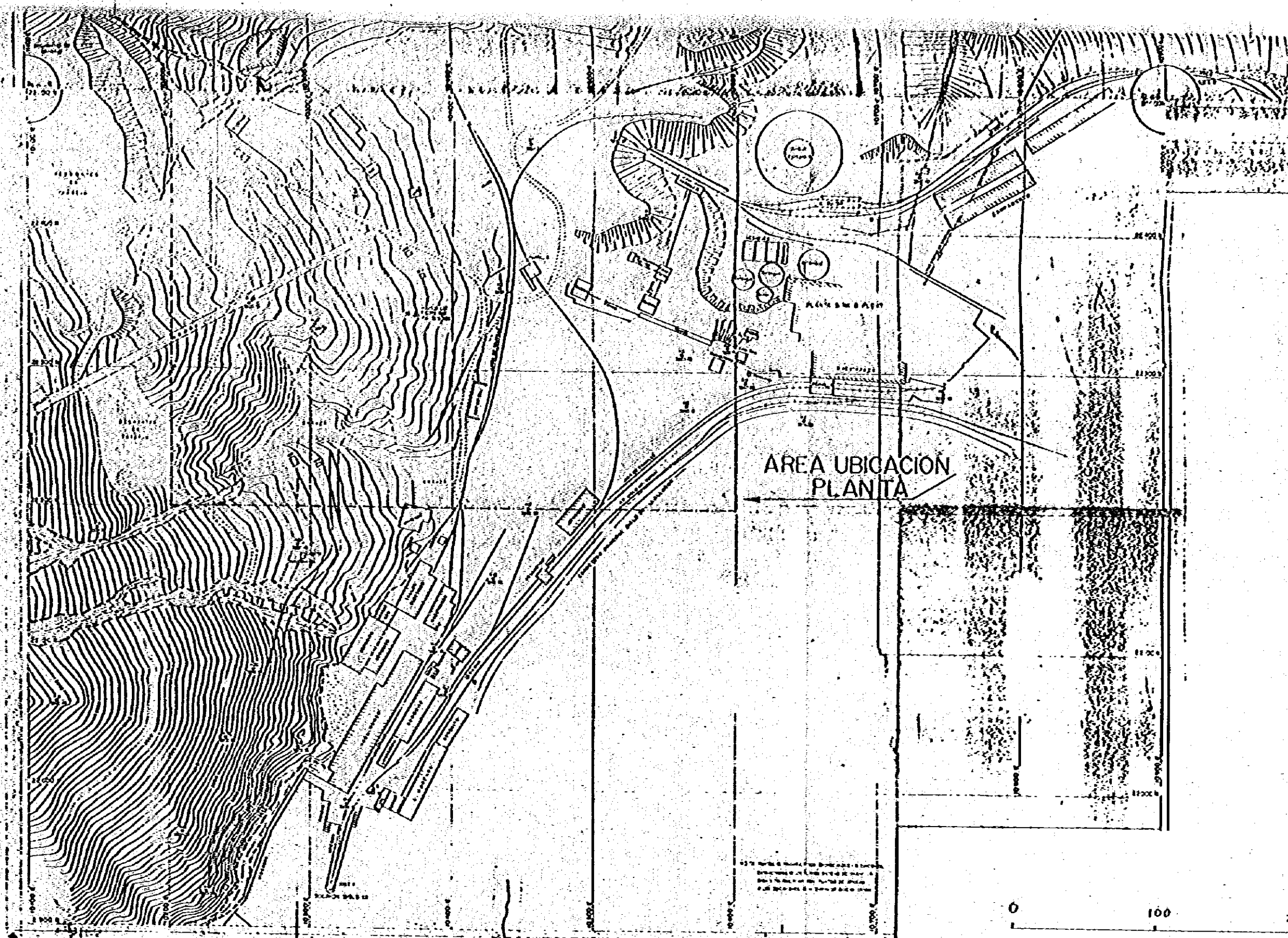
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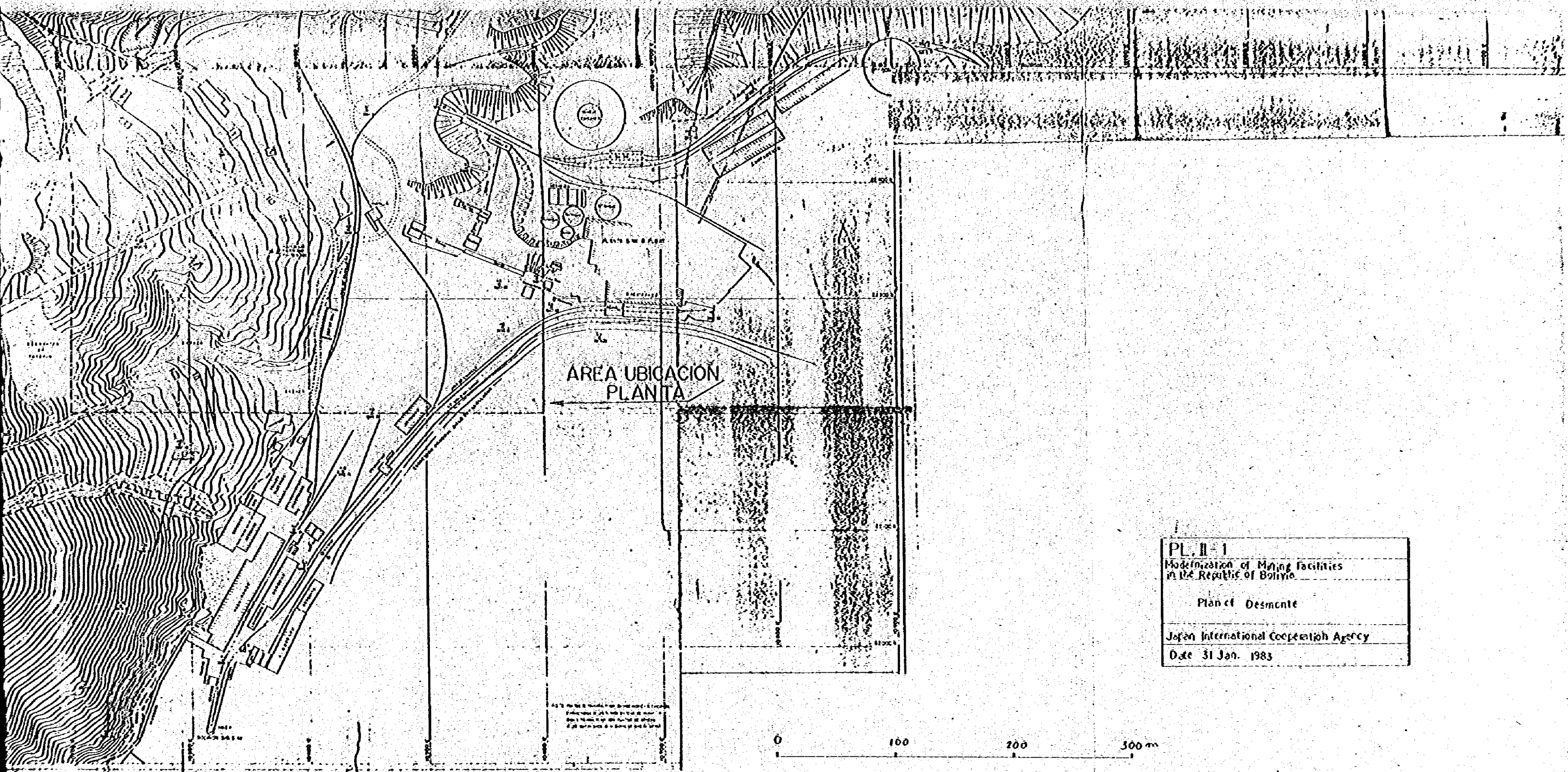




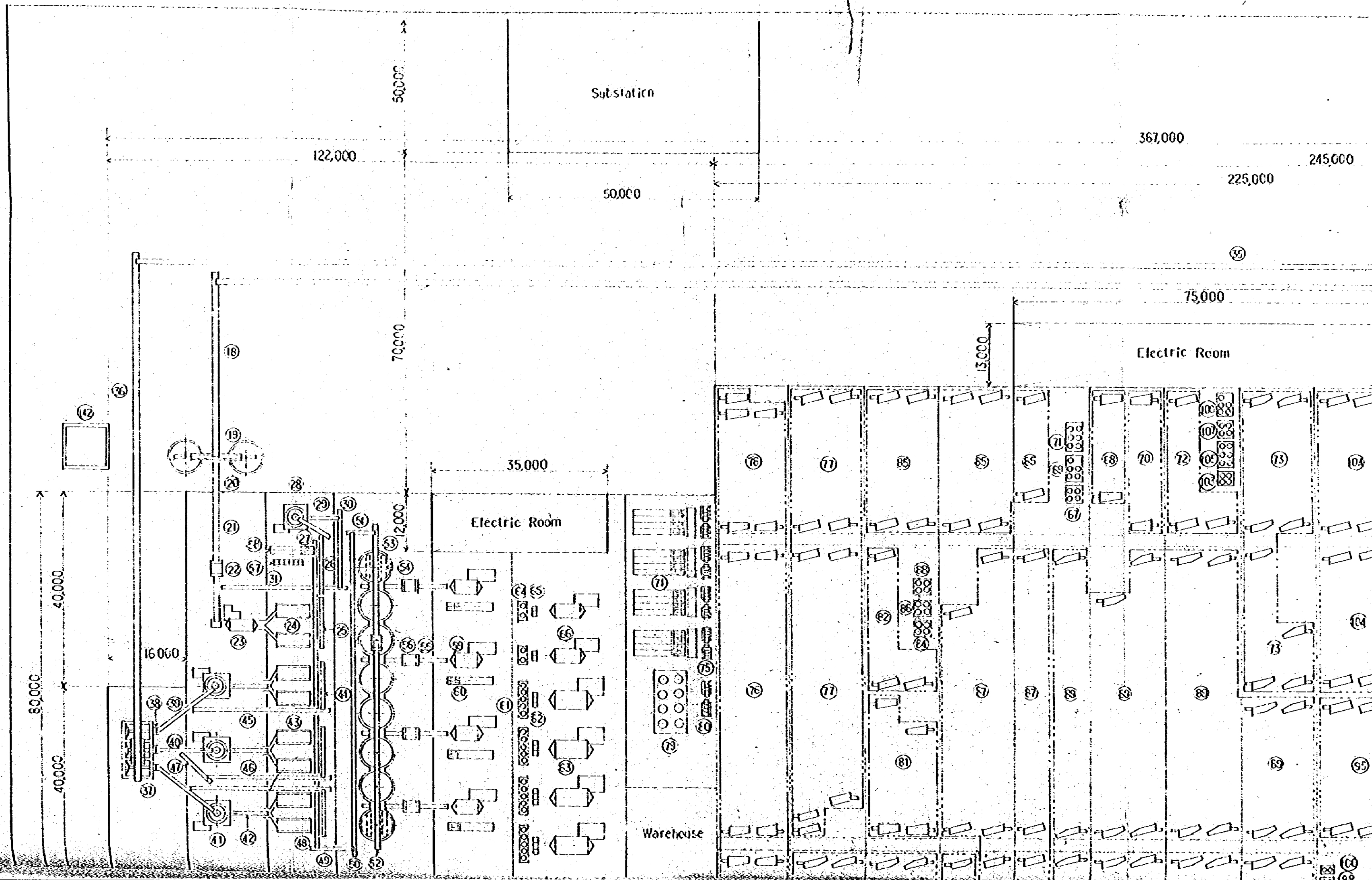


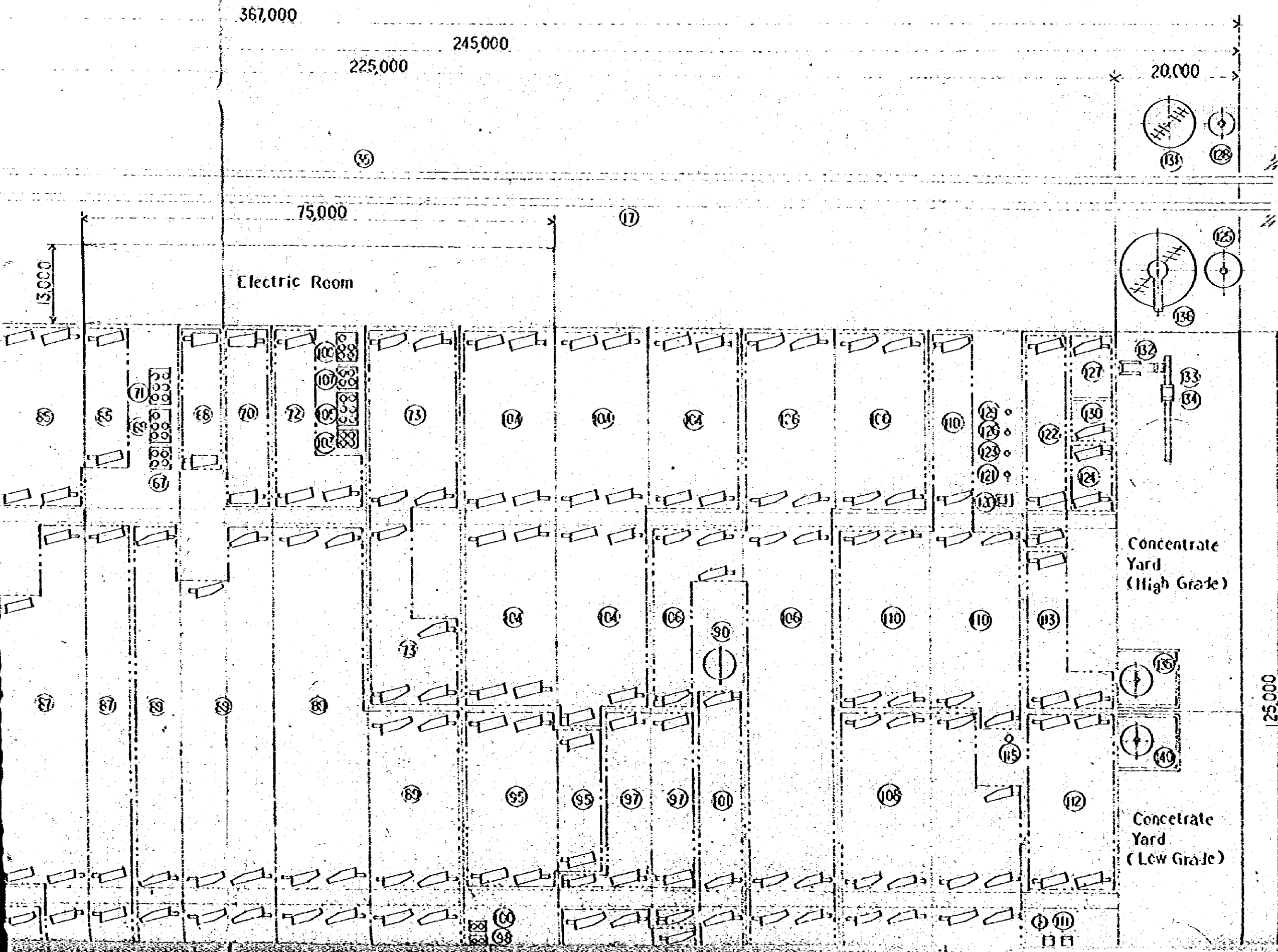
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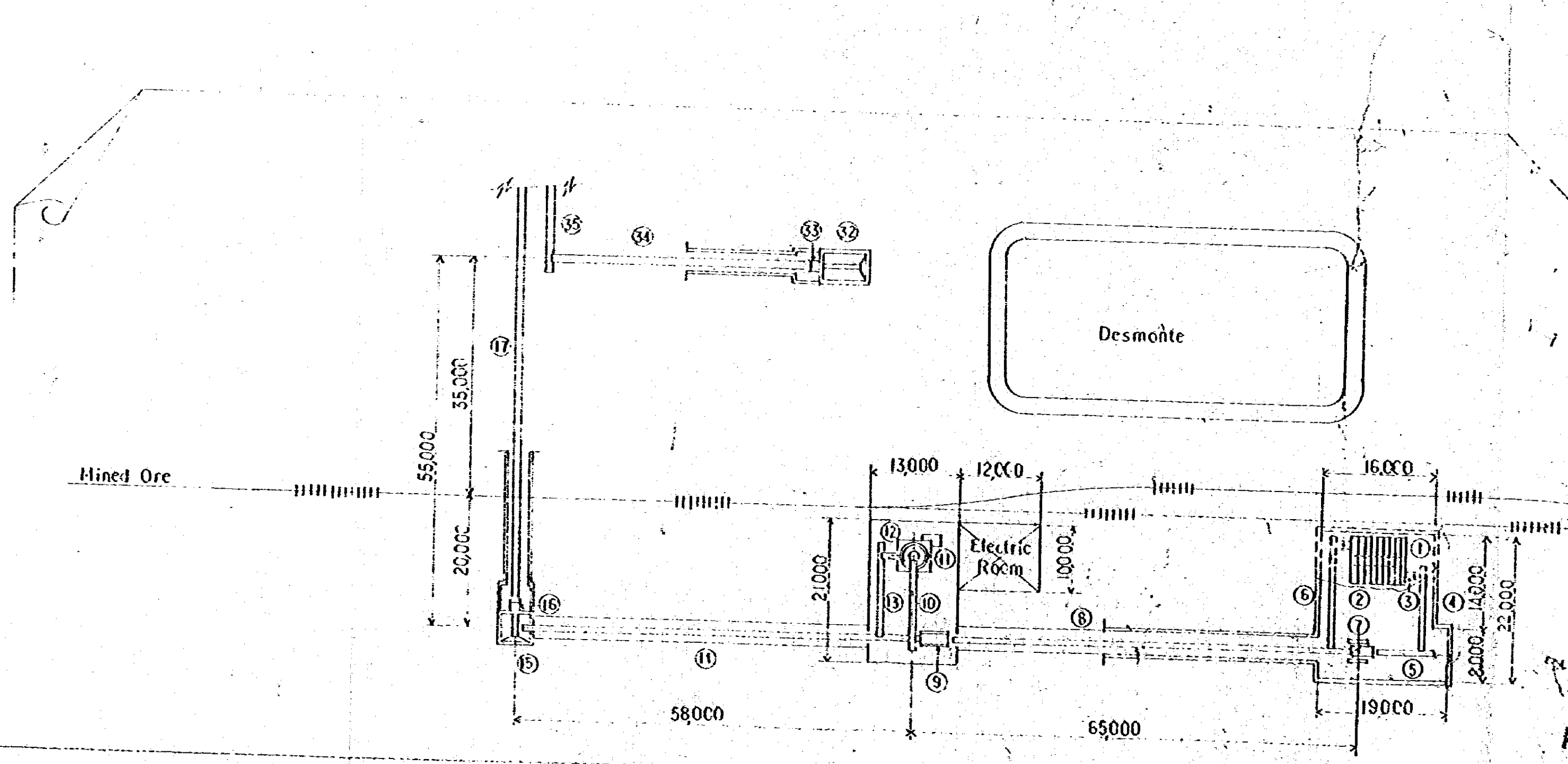
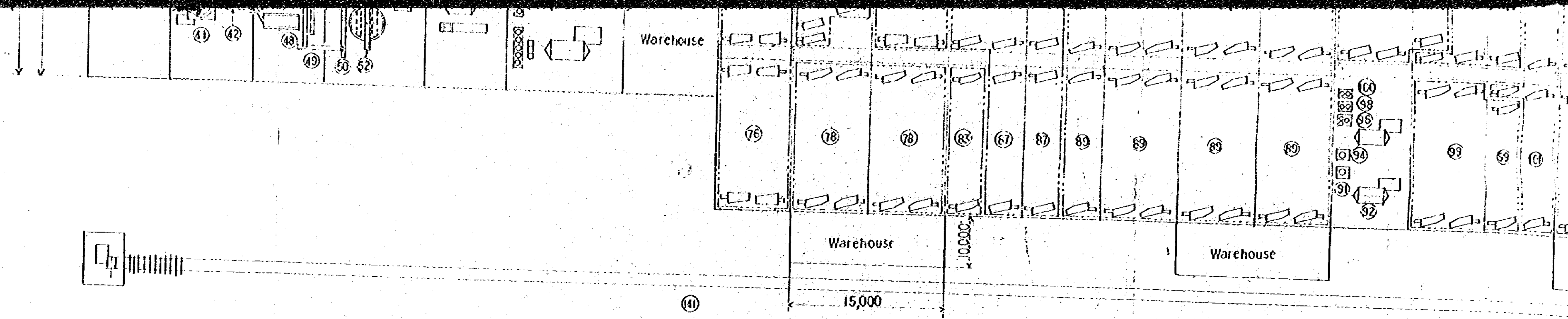


<p>PL. II-1 Modernization of Mining facilities in the Republic of Bolivia</p>
<p>Plan of Desmonte</p>
<p>Japan International Cooperation Agency</p>
<p>Date 31 Jan. 1983</p>

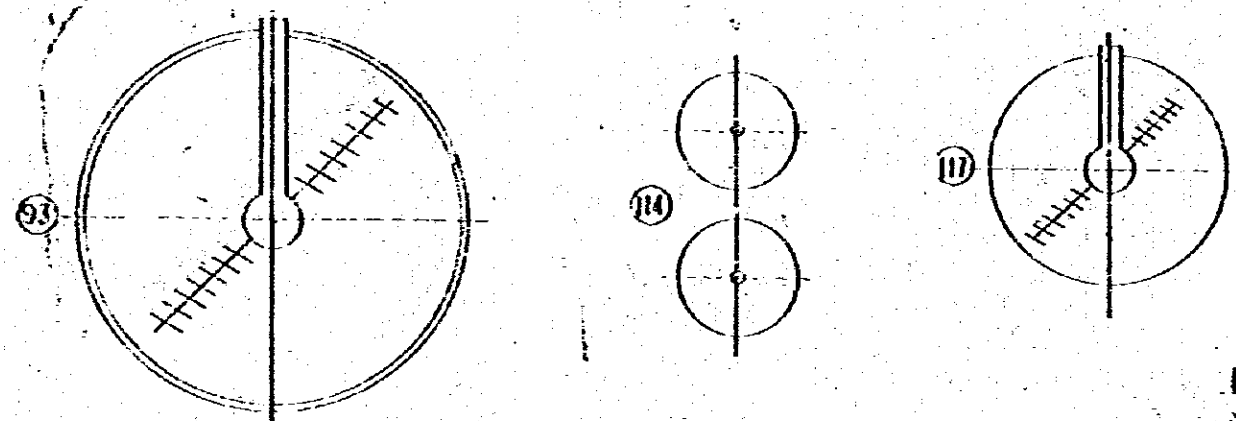
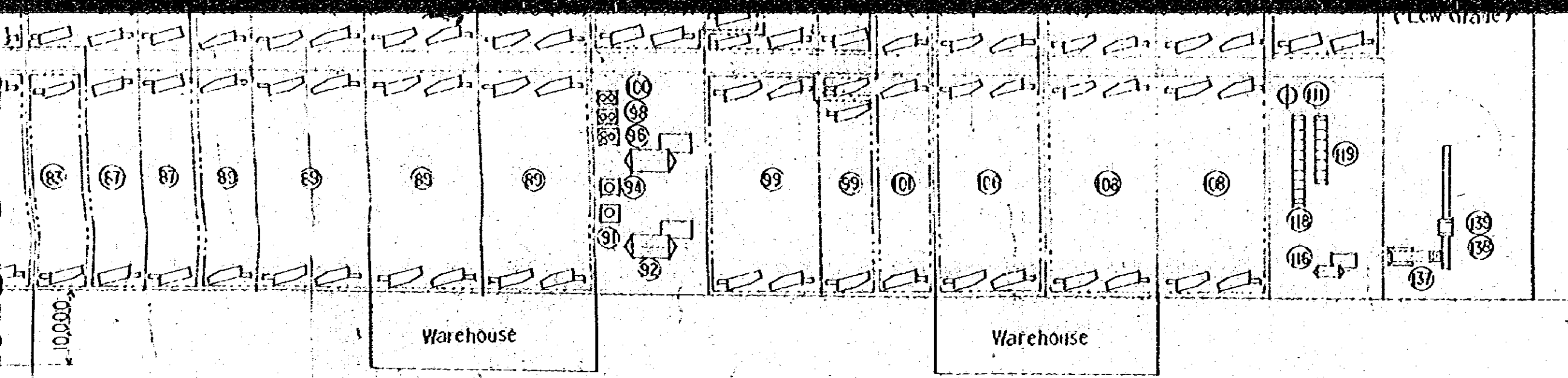




No	Name	Qty	Size	Kw
1	Hopper(with Grizzly)	1	50t	
2	Do.	1	2t	
3	Apron Feeder	2	0.9m _w x 8m _L	7.5kw x 2
4	Belt Conveyor	1	1m _w x 14m _L	7.5kw
5	Do.	1	1m _w x 10m _L	5.5kw
6	Do.	1	1m _w x 17m _L	7.5kw
7	Break Crusher	1	25' x 35'	95kw
8	Belt Conveyor	1	0.75m _w x 30m _L	7.5kw
9	Vibrating Screen	1	6' x 16'	2.2kw
10	Belt Conveyor	1	0.75m _w x 15m _L	7.5kw
11	Cone Crusher	1	9' x 45'	110kw
12	Belt Conveyor	1	0.75m _w x 7m _L	3.1kw
13	Do.	1	0.76m _w x 15m _L	7.5kw
14	Do.	1	0.75m _w x 10m _L	11kw
15	Bin	1	100t	
16	Apron Feeder	1	0.9m _w x 8m _L	7.5kw
17	Belt Conveyor	1	1m _w x 44.5m _L	45kw
18	Do.	1	1m _w x 39m _L	11kw
19	Bin	2	300t	
20	Apron Feeder	2	0.9m _w x 6m _L	7.5kw x 2
21	Belt Conveyor	1	1m _w x 35m _L	11kw
22	Constant Feed Weigher	1	1705 lb	
23	Drum Washer	1	8' x 18'	110kw
24	Vibrating Screen	2	10' x 24'	45kw x 2
25	Belt Conveyor	1	0.75m _w x 10m _L	1.5kw
26	Do.	1	0.75m _w x 15m _L	7.5kw
27	Do.	1	0.75m _w x 8m _L	3.7kw
28	Cone Crusher	1	7'	300kw
29	Belt Conveyor	1	0.75m _w x 10m _L	2.2kw
30	Do.	1	0.75m _w x 17m _L	5.5kw
31	Do.	1	0.75m _w x 27m _L	7.5kw
32	Hopper	1	50t	
33	Apron Feeder	1	0.9m _w x 7m _L	7.5kw
34	Belt Conveyor	1	1m _w x 40m _L	11kw
35	Do.	1	1m _w x 40.5m _L	45kw
36	Do.	1	1m _w x 11.5m _L	26kw
37	Hopper	3	50t	
38	Apron Feeder	3	0.9m _w x 6m _L	5.5kw x 3
39	Belt Conveyor	2	0.75m _w x 16m _L	11kw x 2
40	Do.	1	0.75m _w x 13m _L	7.5kw
41	Cone Crusher	3	7'	300kw x 3
42	Belt Conveyor	3	0.75m _w x 13m _L	5.5kw x 3
43	Vibrating Screen	6	10' x 24'	45kw x 6
44	Belt Conveyor	3	0.6m _w x 10m _L	15kw x 3
45	Do.	2	0.6m _w x 30m _L	7.5kw x 2
46	Do.	1	0.6m _w x 25m _L	5.5kw

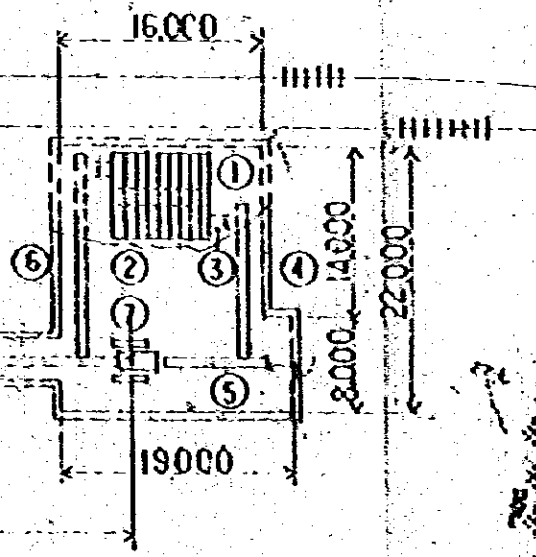


125	Cone Tank	1	6m ²		103	Cyclone
126	Cyclone	1	6"φ		101	Table (S)
127	Table (James)	4	4.6m x 18m	1.5kw x 4	105	Cyclone
128	Cone Tank	1	4m ²		106	Table (J)
129	Cyclone	1	3"φ		107	Cyclone
130	Table (James)	2	4.5m x 18m	1.5kw x 2	108	Table (Ja)
131	Thickener	1	8m ²		109	Cyclone
132	Drag Classifier	1	0.5m x 5m	1.5kw	110	Table (Ja)
133	Belt Conveyor	1	0.6m x 18m	2.2kw	111	Tank
134	Conveyer Scale	1	1.3h		112	Table (S)
135	Cone Tank	1	5m ²		113	Do. (S)
136	Thickener	1	12m ²		114	Cone Tank
137	Drag Classifier	1	0.9m x 5m	1.5kw	115	Cyclone
138	Belt Conveyor	1	0.6m x 18m	2.2kw	116	Ball Mill
139	Conveyer Scale	1	1.3h		117	Thickener
140	Cone Tank	4	5.5m ²		118	Flotation I
141	Incline	1		75kw	119	Co.
142	Water Tank	1	300l		120	Magnetic S
143	Cyclone	9	36"φ		121	Cyclone
144	Thickener	1	9.5m ²	3.7kw x 3	122	Table (S-O)
145	Water Tank	1	2000l		123	Cyclone
146	Recovery Water Tank	1	5000l		124	Table (S-O)



Note
 * : Reference Drawing PL. II - 4

125	Cone Tank	1	6m ³		103	Cyclone	28	6"φ		81	Table (Plat-O)	18	4.4m x 2.1m	15kw x 18
126	Cyclone	1	6"φ		101	Table (S-Duty)	101	4.6m x 2.3m	15kw x 101	82	Do. (S-Duty)	13	4.6m x 2.3m	15kw x 13
127	Table (James)	4	4.6m x 1.8m	15kw x 4	105	Cyclone	24	6"φ		83	Do. (James)	10	4.6m x 1.8m	15kw x 10
128	Cone Tank	1	4m ³		106	Table (James)	113	4.6m x 1.8m	15kw x 113	84	Cyclone	20	9"φ	
129	Cyclone	1	3"φ		107	Cyclone	22	6"φ		85	Table (S-Duty)	48	4.6m x 2.3m	15kw x 48
130	Table (James)	2	4.6m x 1.8m	15kw x 2	108	Table (James)	76	4.6m x 1.8m	15kw x 76	86	Cyclone	44	6"φ	
131	Thickener	11	8m ³		109	Cyclone	10	6"φ		87	Table (S-Duty)	76	4.6m x 2.3m	15kw x 76
132	Drag Classifier	1	0.5m ³ x 5mL	1.5kw	110	Table (James)	51	4.6m x 1.8m	15kw x 51	88	Cyclone	40	6"φ	
133	Belt Conveyor	1	0.6m ³ x 1.8mL	2.2kw	111	Tank	1	10m ³		89	Table (James)	187	4.6m x 1.8m	15kw x 187
134	Conveyor Scale	1	1.13h		112	Table (S-Duty)	20	4.6m x 2.3m	15kw x 20	90	Tank	1	70m ³	
135	Cone Tank	1	5m ³		113	Do. (S-Duty)	11	4.6m x 2.3m	15kw x 11	91	Cyclone	12	9"φ	
136	Thickener	1	12m ³		114	Cone Tank	2	9.5m ³		92	Ball Mill	2	10' x 16'	520kw x 2
137	Drag Classifier	1	0.5m ³ x 5mL	1.5kw	115	Cyclone	1	6"φ		93	Thickener	1	30m ³	15kw
138	Belt Conveyor	1	0.6m ³ x 1.8mL	2.2kw	116	Ball Mill	1	3' x 6'	30kw	94	Cyclone	5	9"φ	
139	Conveyor Scale	1	1.33h		117	Thickener	1	20m ³	2.2kw	95	Table (S-Duty)	28	4.6m x 2.3m	15kw x 28
140	Cone Tank	1	5.5m ³		118	Flotation Machine	8	1.2m ³ Cell	15kw x 4	96	Cyclone	9	6"φ	
141	Incline	1		75kw	119	Do.	6	1.1m ³ Cell	11kw x 3	97	Table (S-Duty)	21	4.6m x 2.3m	15kw x 21
142	Water Tank	1	300l		120	Magnetic Separator	1	0.76m ³	1.5kw	98	Cyclone	8	6"φ	
143	Cyclone	9	36"φ		121	Cyclone	1	6"φ		99	Table (James)	29	4.6m x 1.8m	15kw x 29
144	Thickener	1	96m ³	3.7kw x 3	122	Table (S-Duty)	10	4.6m x 2.3m	15kw x 10	100	Cyclone	8	6"φ	
145	Water Tank	1	2000l		123	Cyclone	1	6"φ		101	Table (James)	22	4.6m x 1.8m	15kw x 22
146	Recovery Water Tank	1	5000l		124	Table (S-Duty)	5	4.6m x 2.3m	15kw x 5	102	Thickener	1	55m ³	3.7kw x 2



43	Vibrating Screen	6	10' x 24'	45kw x 6
44	Belt Conveyor	3	0.6m ³ x 10mL	15kw x 3
45	Do.	2	0.6m ³ x 30mL	75kw x 2
46	Do.	1	0.6m ³ x 25mL	55kw
47	Do.	1	0.6m ³ x 12mL	3.7kw
48	Do.	1	1m ³ x 6.5mL	22kw
49	Do.	1	1m ³ x 10mL	1.5kw
50	Do.	1	1m ³ x 70mL	22kw
51	Do.	1	1m ³ x 6mL	1.5kw
52	Do.	1	1m ³ x 60mL	22kw
53	Mill Bin	8	500l	
54	Belt Feeder	16	1m ³ x 7mL	75kw x 16
55	Belt Conveyor	4	0.6m ³ x 15mL	55kw x 4
56	Constant Feed Weigher	4	100 l/h	
57	Sieve Bend	6	0.6m ³	
58	Rake Classifier	1	1.5m ³ x 9mL	75kw
59	Rod Mill	4	10' x 14'	520kw x 4
60	Rake Classifier	4	1.5m ³ x 9mL	75kw x 4
61	Cyclone	20	9"φ	
62	Sieve Bend	12	0.6m ³	
63	Ball Mill	4	12' x 20'	1100kw x 4
64	Cyclone	8	9"φ	
65	Sieve Bend	4	0.6m ³	
66	Ball Mill	2	10' x 18'	600kw x 2
67	Cyclone	4	9"φ	
68	Table (Plat-O)	8	4.4m x 2.1m	15kw x 8
69	Cyclone	5	9"φ	
70	Table (Plat-O)	10	4.4m x 2.1m	15kw x 10
71	Cyclone	6	6"φ	
72	Table (S-Duty)	13	4.6m x 2.3m	15kw x 13
73	Table (James)	35	4.6m x 1.8m	15kw x 35
74	Rake Classifier	4	4.6m ³ x 10.8mL	15kw x 4
75	Hydraulic Classifier	8	0.87m ³ x 32mL	
76	Table (Plat-O)	79	4.6m x 2.1m	15kw x 79
77	Do. (S-Duty)	58	4.6m x 2.3m	15kw x 58
78	Do. (James)	40	4.6m x 1.8m	15kw x 40
79	Cyclone	24	9"φ	
80	Hydraulic Classifier	2	0.87m ³ x 32mL	

PL. II-2
 Modernization of Mining Facilities
 in the Republic of Bolivia
 Lay Out of New Mill Plant
 Japan International Cooperation Agency
 Date 5. Dec. 1982 Scale 1:600