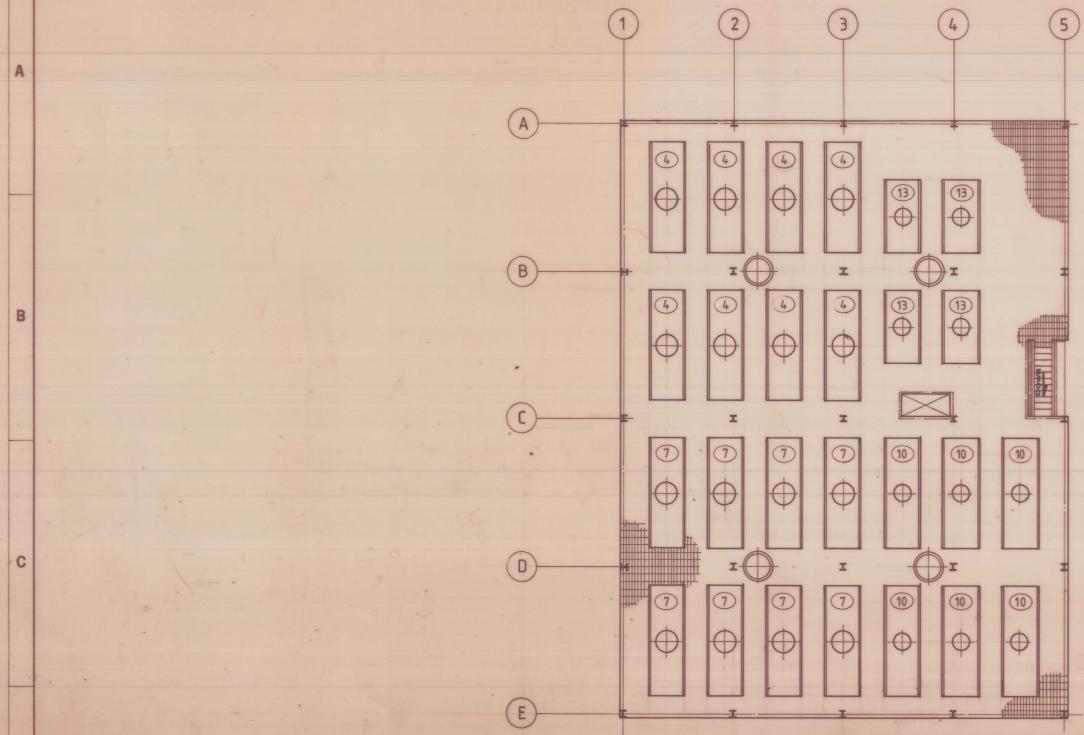
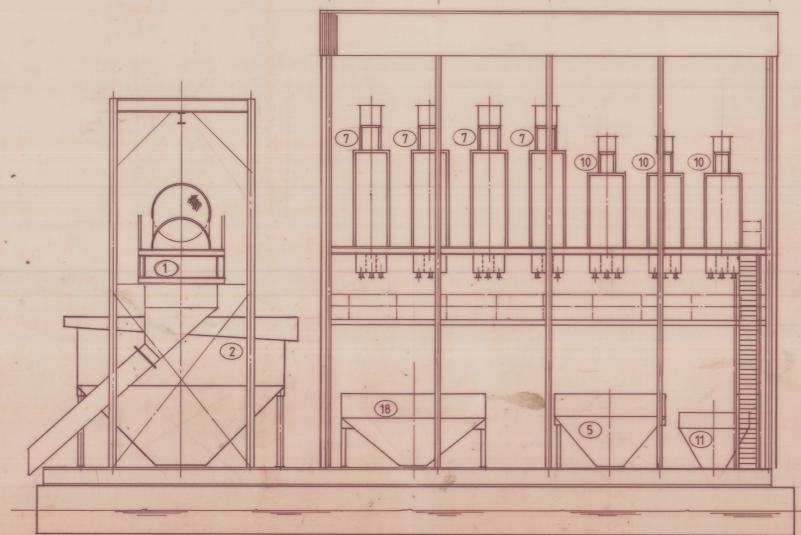


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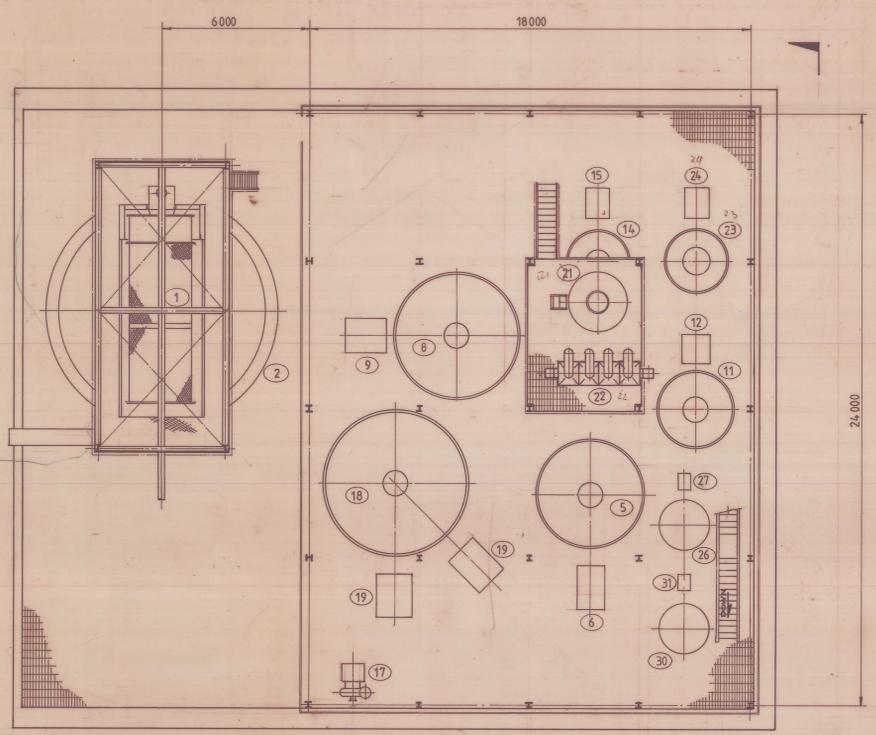


PLAN RL 9-000 T.O.G.

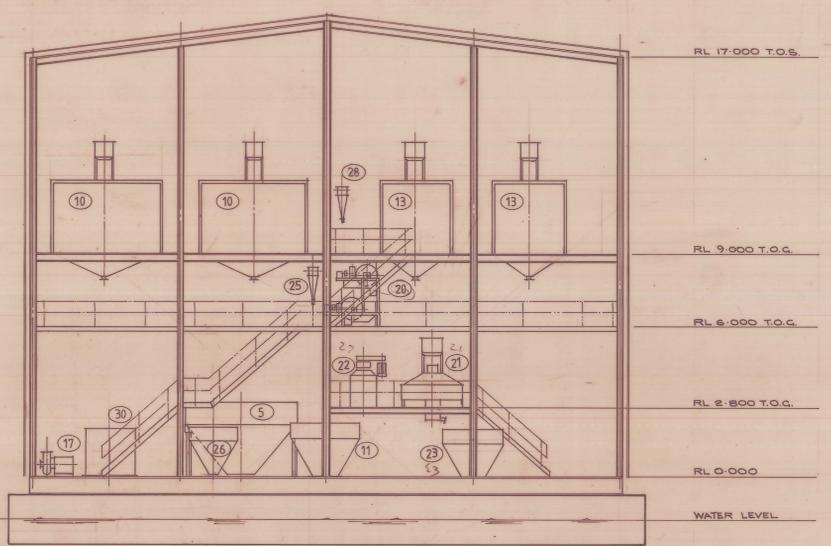


VIEW A

EQUIPMENT LIST			
ITEM	QTY	DESCRIPTION	KW
1	1	TROMMEL	45.0
2	1	CONSTANT DENSITY TANK	
3	1	ROUGHER SPIRAL FEED PUMP - 12/10 F-AH.	55.0
4	96	" SPIRALS-TRIPLEX.	
5	1	MIDDLEINGS SUMP.	
6	1	" SPIRAL FEED PUMP - 10/8 F-AH.	75.0
7	84	" SPIRALS-TRIPLEX.	
8	1	CLEANER SUMP.	
9	1	" SPIRAL FEED PUMP - 10/8 F-AH.	45.0
10	84	" SPIRALS-DUPLEX.	
11	1	RECLENER SUMP.	
12	1	" SPIRAL FEED PUMP - 6/4 D-AH.	18.5
13	32	" SPIRALS.	
14	1	CONCENTRATE SUMP.	
15	2	" PUMP - 3/2 C-AH.	2x22
16	1	" CYCLONE.	
17	1	PROCESS WATER CIRCULATING PUMP - 8/6 DS.	37.0
18	1	TAILINGS SUMP.	
19	2	" PUMP - 8/6 E-AH.	2x132
20	1	ERIES DOUBLE DRUM WET MAGNETIC SEPARATOR.	4.0
21	1	WET HIGH INTENSITY MAGNETIC SEPARATOR.	34.0
22	1	ATTRITION MACHINE - 4 CELL x 1m ³ .	148.0
23	1	BULK CONCENTRATE SUMP.	
24	1	" TRANSFER PUMP - 4/3 C-AH.	11.0
25	1	DESLIMING CYCLONE - 15 CE.	
26	1	BULK CONCENTRATE SUMP - B.	
27	1	" TRANSFER PUMP - B.	11.0
28	1	DESLIMING CYCLONE - B - 15 CE.	
29	1	CAUSTIC SODA MIXING TANK #2m x 2m HIGH.	
30	1	" AGITATOR.	4.0
31	1	" PUMP - 3001-F-025 ACROMET.	0.37



PLAN RL 0-000 & 2-800 T.O.G.



VIEW B

5 cm
0454-009

A1-1001-0-057	PROPOSED WET PLANT FLOWSHEET
DRG No.	TITLE
	REFERENCE DRAWINGS

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No.	DESCRIPTION	BY	DATE
5			
4			
3			
2			
1			

APP.		NATIONAL MINERAL SANDS PTY. LTD.
CHECK		NARACOOPA MINERAL SANDS PLANT (KING ISLAND)
DRN.	R. T.	PRELIMINARY WET PLANT ARRANGEMENT
DATE		WARMAN INTERNATIONAL LTD.
SCALE	1:100	OFFICE OF ORIGIN: SYDNEY
		AO-1001-1-063

1 2 3 4 5 6 7 8 9 10 11

600-7570