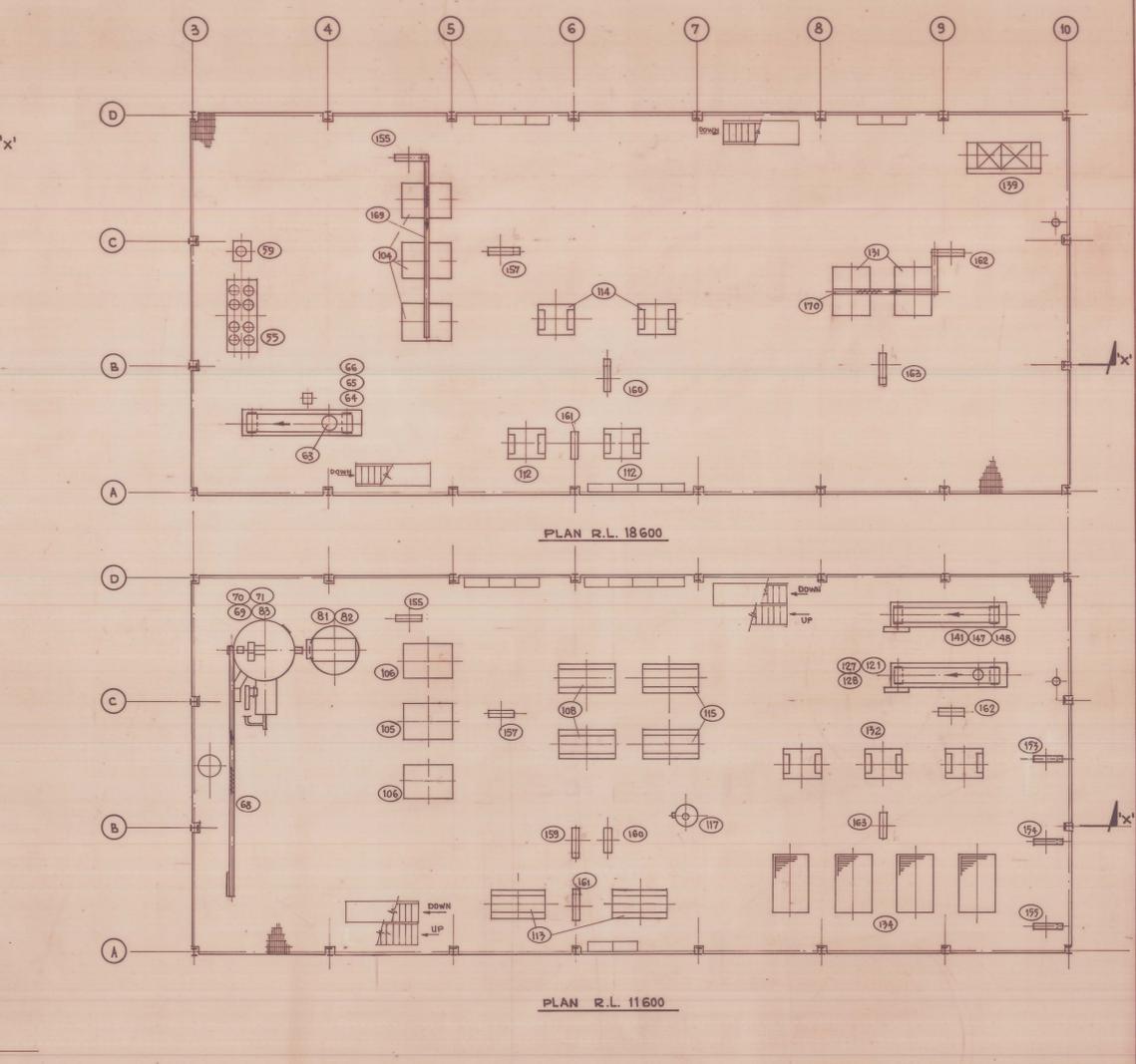


EQUIPMENT LIST		ITEM	QTY	DESCRIPTION	KW
156	1	RUTILE WET TABLE FEED HOPPER	1-5		
157	1	" " " " PUMP	1-1		
158	2	CLASSIFIER REMOVAL TABLES	12-0		
159	2	PYRITE REMOVAL FLOTATION CELLS	5-5		
141	1	" " DEWATERING FILTER	0-5		
142	1	" " " " " "			
143	1	" " " " " "			
144	1	" " CYCLONE EXTRACTOR			
145	1	" " EXHAUST FAN	5-5		
146	1	" " MAIN FAN	11-0		
147	1	" " FILTER FILTRATE RECEIVER			
148	1	" " VACUUM FAN	15-0		
149	1	RUTILE BIN			
150	1	LEUCOXENE BIN			
151	1	PREMIUM ZIRCON			
152	1	'B' GRADE ZIRCON			
153	1	BUCKET ELEVATOR	2-2		
154	1	" " " "	2-2		
155	1	" " " "	2-2		
156	1	" " " "	5-5		
157	1	" " " "	2-2		
158	1	" " " "	2-2		
159	1	" " " "	3-0		
160	1	" " " "	3-0		
161	1	" " " "	5-5		
162	1	" " " "	5-5		
163	1	" " " "	3-0		
164	1	SCREW FEEDER	1-5		
165	1	" " " "	1-5		
166	1	" " " "	1-5		
167	1	" " " "	1-5		
168	1	" " " "	1-5		
169	1	" " " "	1-5		
170	1	" " " "	1-5		
171	1	" " " "	1-5		
172	1	" " " "	1-5		
173	1	" " " "	1-5		
174	1	" " " "	1-5		
175	1	SCREW FEEDER	1-5		
176	1	" " " "	1-5		
177	1	" " " "	1-5		
178	1	" " " "	1-5		
104	3	ROUGHER ROLLS	16-5		
105	1	CONDUCTOR CLEANER ROLLS	5-5		
106	2	NON-CONDUCTOR CLEANER ROLLS	11-0		
107	1	CONDUCTOR RECLEANER ROLLS	5-5		
108	2	NON-CONDUCTOR RECLEANER PLATE	2-2		
109	2	CONDUCTOR MAGNET	13-0		
110	1	RECLEANER CONDUCTORS MAGNET	6-5		
111	2	NON-CONDUCTORS SCAVENGER PLATE	2-2		
112	2	" " CLEANER PLATE	2-2		
113	2	" " CONDUCTORS SCAVENGER MAGNET	2-2		
114	2	" " MAGNETICS RECLEANER PLATE	2-2		
115	1	MAGNETICS CLEANER PLATE	5-5		
116	1	TOURMALINE SCREEN	0-75		
117	1	NON-CONDUCTORS CLASSIFYING FEED SUMP			
118	1	" " " " " " PUMP	5-5		
119	1	" " " " " " " "			
120	1	CLASSIFYING CYCLONE			
121	1	ZIRCON DEWATERING FILTER	0-5		
122	1	" " " "			
123	1	ZIRCON DRYER			
124	1	" " CYCLONE EXTRACTOR			
125	1	" " EXHAUST FAN	11-0		
126	1	" " MAIN FAN	15-0		
127	1	" " FILTER FILTRATE RECEIVER			
128	1	" " VACUUM FAN	15-0		
129	1	" " " "			
130	1	" " " "			
131	2	ZIRCON CLEANER ROLLS	11-0		
132	3	" " ROUGHER MAGNET	19-5		
133	2	" " CLEANER MAGNET	13-0		
134	4	OLIVER AIR TABLES	50-0		
135	1	ZIRCON CLEANER PLATE	1-0		



EQUIPMENT LIST		ITEM	QTY	DESCRIPTION	KW
51	1	WET CONCENTRATE FEED PUMP	5-5		
52	1	TRASH SCREEN	2-2		
53	1	CONSTANT DENSITY TANK			
54	1	PRIMARY SPIRALS FEED PUMP	7-5		
55	8	PRIMARY SPIRALS			
56	10	GRAVITY TABLE	50-0		
57	1	SCAVENGER SPIRAL FEED SUMP			
58	1	" " " " PUMP	4-0		
59	1	" " SPIRALS			
60	1	SUMP PUMP	4-0		
61	1	CONCENTRATE DEWATERING FEED SUMP			
62	1	" " FEED PUMP	7-5		
63	1	" " CYCLONE	0-5		
64	1	" " FILTER	2-2		
65	1	VACUUM FAN	22-0		
66	1	FILTRATE RECEIVER TANK			
67					
68					
69	1	CONCENTRATE DRYER			
70	1	CYCLONE EXTRACTOR			
71	1	EXHAUST FAN	18-5		
72	1	THICKENER FEED TRANSFER HOPPER			
73	1	" " PUMP	2-2		
74	1	THICKENER	2-2		
75	1	PROCESS WATER TANK			
76	1	" " PUMP	7-5		
77	1	THICKENER UNDERFLOW PUMP	2-2		
78	1	TAILINGS FEED HOPPER			
79	1	" " CYCLONE FEED PUMP	7-5		
80	1	" " DEWATERING CYCLONE			
81	1	GUARD SCREEN	4-0		
82	1	15 T SURGE BIN			
83	2	MAIN FAN (30KW) BOOSTER FAN (185 KW)	48-5		

0454-008

SCALE: 1:100

DATE: 27.7.1983

DRN. B.S.

APP. CHECK

DESCRIPTION REVISIONS

BY DATE

WARMAN INTERNATIONAL LTD. AO-1001-1-067

OFFICE OF ORIGIN: SYDNEY

REVISIONS

NO. DESCRIPTION BY DATE

1

2

3

4

5

6

7

8

9

10

11

A2-1001-1-069	PROPOSED SITE PLAN - DRY PLANT.
A0-1001-1-066	FLOW-SHEET DRY PLANT (DRY SEPARATION).
A1-1001-1-065	" " " " (WET CONC. CIRCUIT).
DRG No.	TITLE
	REFERENCE DRAWINGS

WARMAN INTERNATIONAL LTD. AO-1001-1-067

NATIONAL MINERAL SANDS PTY. LTD.

NARACOOPA MINERAL SANDS PLANT (KING ISLAND)

CONCEPTUAL GENERAL ARRANGEMENT - DRY PLANT

OFFICE OF ORIGIN: SYDNEY

REVISIONS

NO. DESCRIPTION BY DATE

1

2

3

4

5

6

7

8

9

10

11