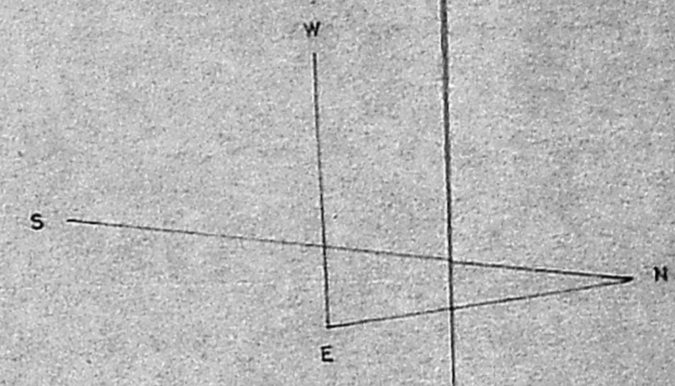
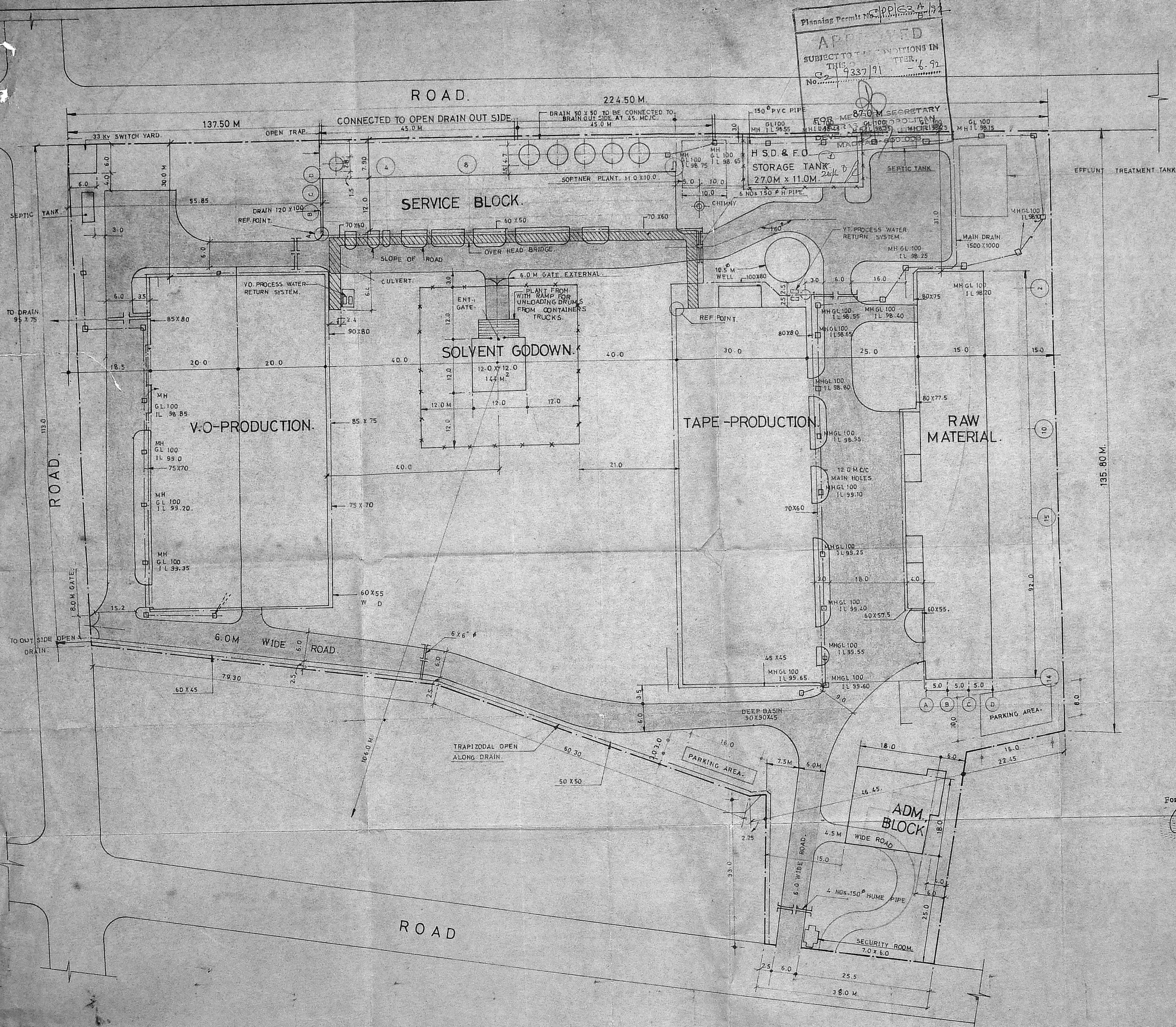


Planning Permit No. 9337/91
APPROVED
 SUBJECT TO THE CONDITIONS IN
 THIS ORDER DATED 16.9.92
 No. 9337/91

MMDA 'C' / PP NO. /
 C.No. 19337/91
 Astd. /
 Scrutiny: /
 PART I
 PART II

R.P. dt 20.1.92



A. Kalyan Kumar
A. Kalyan Kumar, D.C.E.
 CONSULTING ENGINEER
 LICENCED BUILDING SURVEYOR
 TAMBARAM MUNICIPALITY
 36, AYYASAMY STREET
 Tambaram West, Madras-600 043

For NOVA ELECTRO MAGNETICS LTD.
 Director. (Works)

ALL DIMENSIONS ARE IN METERS.

NOVA ELECTRO MAGNETICS LTD.,
AT M.E.P.Z. MADRAS.

LAYOUT PLAN.

J. V. D. CONSULTANTS.
MADRAS.

DRG. NO.
EL-01.

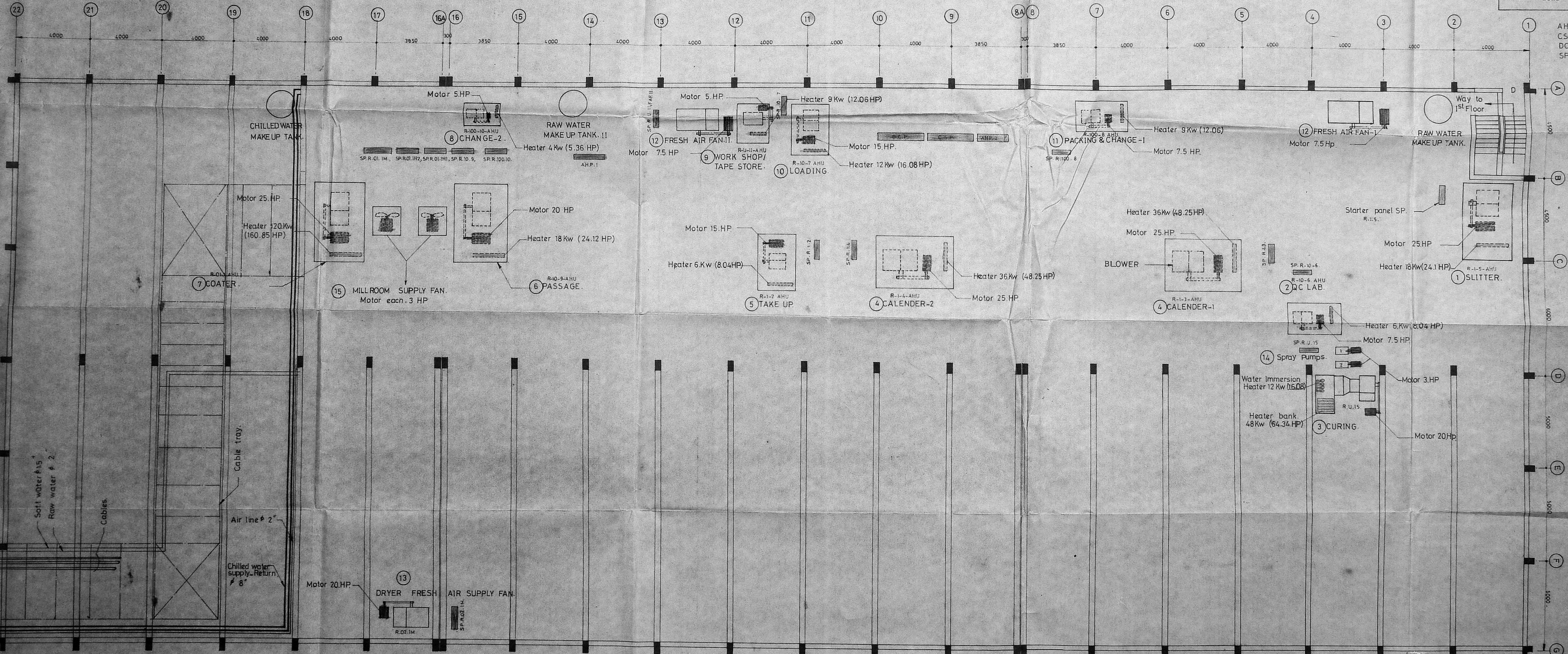
Planning Permit No. K.L.P. 11/2000
 APPROVED
 SUBJECT TO THE CONDITIONS IN
 THIS ORDER LETTER.
 No. 19337/19

FOR MEMBER SECRETARY
 MADRAS METROPOLITAN
 DEVELOPMENT AUTHORITY
 MADRAS-600 008.

SCHEDULE OF PROPOSED EQUIPMENT LOAD IN MEZANINE FLOOR V.T.

S.NO	NAME OF THE M/C	SIZE			NO OF M/C	LOAD M/C H.P.	TOTAL LOAD HP
		LTH.	WTH.	HT.			
1	Slitter A.H.U.	4100	2700	1700	01	49.1	49.1
2	Q.C. Lab	2900	1700	1400	01	15.54	15.54
3	Curing	1550	750	1500	01	100.42	100.42
4	Calander 1 & ITA.H.U.	4100	2700	1700	02	73.25	146.5
5	Take up	3000	1800	1400	01	23.04	23.04
6	Passage	4100	2700	1700	01	44.12	44.12
7	Coater	"	"	"	01	185.85	185.85
8	Change - 1	"	"	"	01	10.36	10.36
9	Work shop/TapeStore	2200	1700	1100	01	17.06	17.06
10	Loading	3700	2150	1600	01	31.08	31.08
11	Packing & Change-1	2900	1700	1400	01	19.56	19.56
12	Fresh Air Fan				02	7.50	15.0
13	Dryer Supply Fan				01	20.0	20.0
14	Curing spray pump				02	3.0	6.0
15	Mill room Supply fan				02	3.0	6.0

Total Power Load of AHUs Includes Heater Load.
 Total Power Load for Machines. 689.93 HP.
 Total Load for Lighting 75 x 100W = 7.5 KW.



AHP 182: Air handling units main panel.
 CSP: Calender Slitter panel.
 DCP: Dryer Coating panel.
 SP: Starter panel.

● Heaters
 ● Motors
 ● Starter panels

For NOVA ELECTRO MAGNETICS LTD.
 Director (Work)

A. Kalpal
 A. Kalpal Kumar, D.C.E.
 CONSULTING ENGINEER
 LICENCED BUILDING SURVEYOR
 TAMBARAM MUNICIPALITY
 30, AYYASAMY STREET
 Tambaram West, Madras-600 045

NOVA ELECTRO MAGNETICS LIMITED.

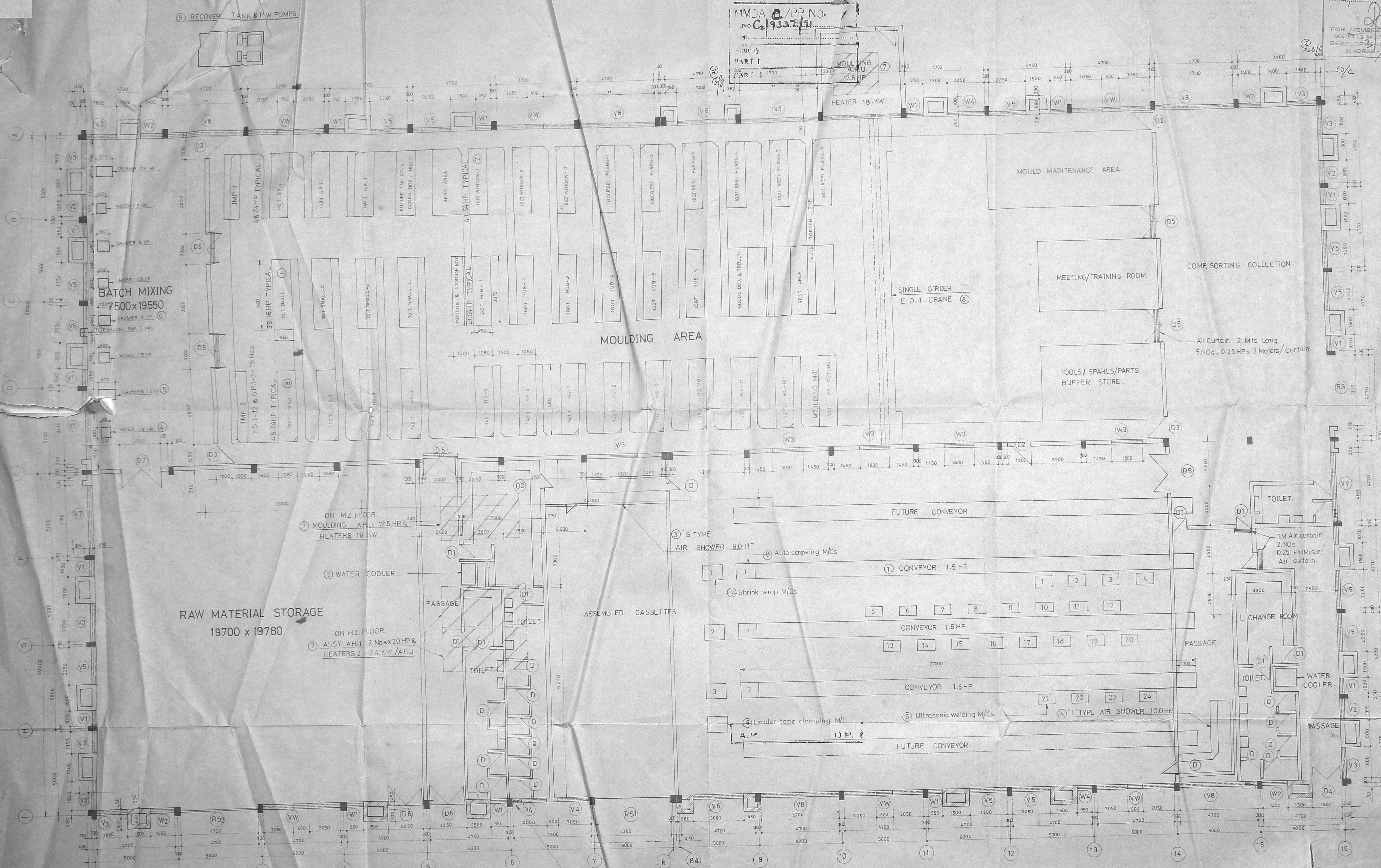
FIRST FLOOR - TAPE UNIT
 MACHINERY LAYOUT (AIR HANDLING UNITS)

VTM/O2A
 DT. 28-6-90 DRN. K.S.M. SCALE: APPD: 02/90

Planning Permit No. CP 632/19
 AP...
 SUBJECT TO THE...
 No. 2/19332/91
 FOR MEMBER SECRETARY
 MA...
 DEVELOPMENT AUTHORITY
 MADRAS...



MMDA C/PP NO.
 No. C/19332/91



SCHEDULE OF PROPOSED EQUIPMENT LOAD IN V.O. UNIT.

SNO	NAME OF THE M/C	SIZE			NO OF M/C	LOAD/MC HP	TOTAL LOAD HP	
		LTH.	WDH.	HGT.				
1	Moulding MC 70.T	3400	950	1800	04	32.16	128.64	
2	"	100.T	3970	950	2400	15	41.54	623.40
3	"	140.T	4300	1080	2000	15	48.24	723.60
4	Mixer	600	600	1500	04	1.5	6.0	
5	Crusher	970	600	1435	02	7.5	15.0	
6	Crusher	700	480	1240	02	5.0	10.0	
7	Moulding A.H.U.	3050	2600	1500	02	36.62	73.24	
8	EOT CRANE 5T	19050	4200	-	01	9.3	9.3	
9	P.W.Recovery Pumps	1450	400	-	02	25.0	50.0	
10	Conveyor	27000	900	-	03	1.5	4.5	
11	Assembly A.H.U.	4100	2400	2000	02	92.1	184.2	
12	Air shower 'S' Type	4800	650	1950	01	8.0	8.0	
13	" 'L' Type	7580	1350	2150	01	10.0	10.0	
14	Ultra Sonic Welding M/C	-	-	-	24	1.34	32.16	
15	Leader tape Clamping M/C	-	-	-	01	1.34	1.34	
16	Shrink wrap M/C	-	-	-	03	1.34	4.02	
17	Auto screwing M/C	-	-	-	03	1.34	4.02	
18	Water Cooler	-	-	-	02	0.5	1.0	
19	Exhaust fan Batch Mixing	-	-	-	05	0.5	2.5	
20	Air curtains	-	-	-	12	0.25	3.0	
21	Toilet Exhaust fans	-	-	-	03	0.113	0.339	

D	750	2400	-	2400	15 NOS
D1	900	2400	-	2400	7 "
D2	1300	2400	-	2400	1 NO
D3	1250	2400	-	2400	4 NOS
D4	1850	2400	-	3000	1 NO
D5	2000	2400	-	2400	9 NOS
D6	2250	2400	-	3000	2 "
D7	2100	1800	1200	3000	6 "
D8	2250	2400	-	3000	1 NO
D9	2250	2400	-	3000	1 NO
D10	2250	2400	-	3000	1 NO
D11	2250	2400	-	3000	1 NO
D12	2250	2400	-	3000	1 NO
D13	2250	2400	-	3000	1 NO
D14	2250	2400	-	3000	1 NO
D15	2250	2400	-	3000	1 NO
D16	2250	2400	-	3000	1 NO
D17	2250	2400	-	3000	1 NO
D18	2250	2400	-	3000	1 NO
D19	2250	2400	-	3000	1 NO
D20	2250	2400	-	3000	1 NO
D21	2250	2400	-	3000	1 NO
D22	2250	2400	-	3000	1 NO
D23	2250	2400	-	3000	1 NO
D24	2250	2400	-	3000	1 NO
D25	2250	2400	-	3000	1 NO
D26	2250	2400	-	3000	1 NO
D27	2250	2400	-	3000	1 NO
D28	2250	2400	-	3000	1 NO
D29	2250	2400	-	3000	1 NO
D30	2250	2400	-	3000	1 NO

NOVA ELECTRO MAGNETICS LTD.
 From Chennai
 General Manager (Commercial)

A. Kalyana Kumar, D.C.E.
 CONSULTING ENGINEER
 LICENCED BUILDING SURVEYOR
 TAMBARAM MUNICIPALITY
 30, ANNASAMY STREET
 Tambaram West, Madras-600 045

NOVA ELECTROMAGNETICS LIMITED.
 V.O - PRODUCTION.
 MACHINERY LAYOUT

DATE: 26-05-90 SCALE: 1:100 DRN: K.S.M. APPD: [Signature]

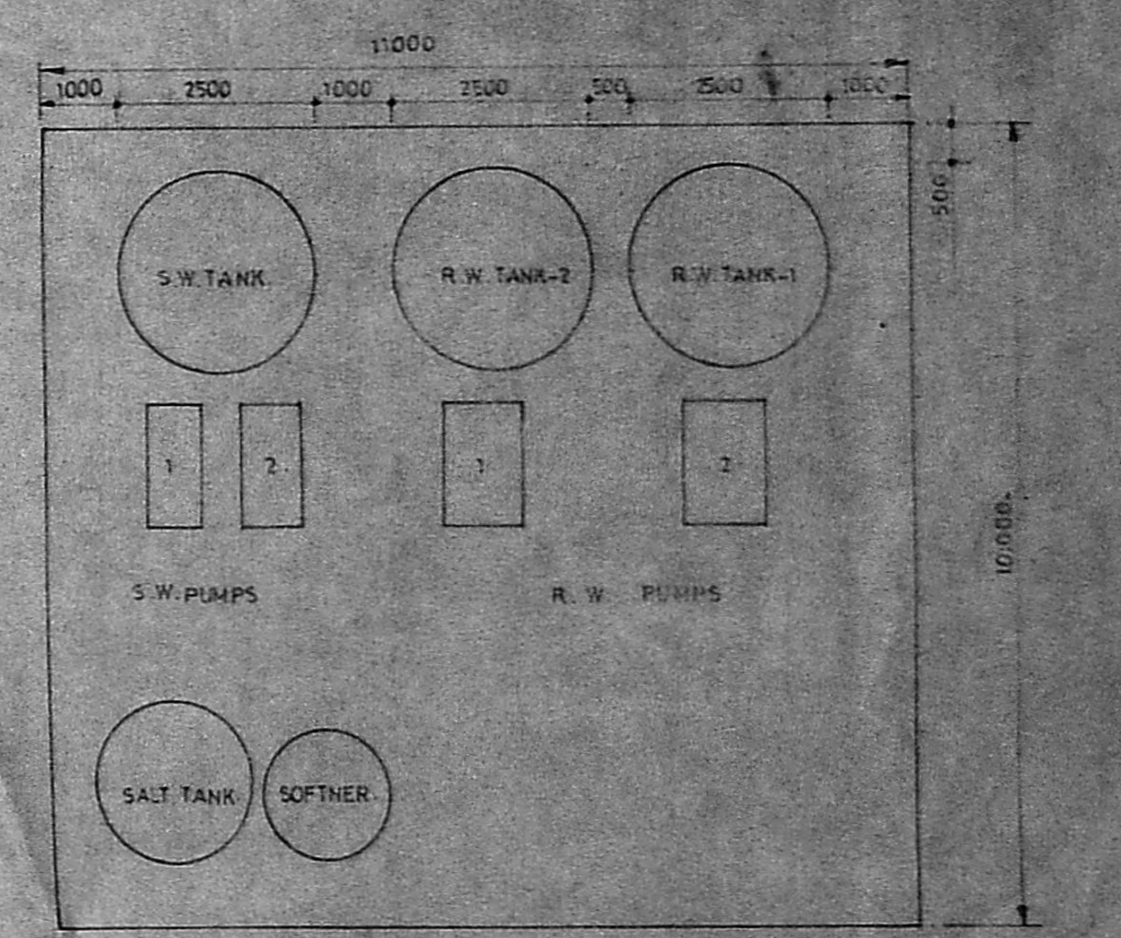
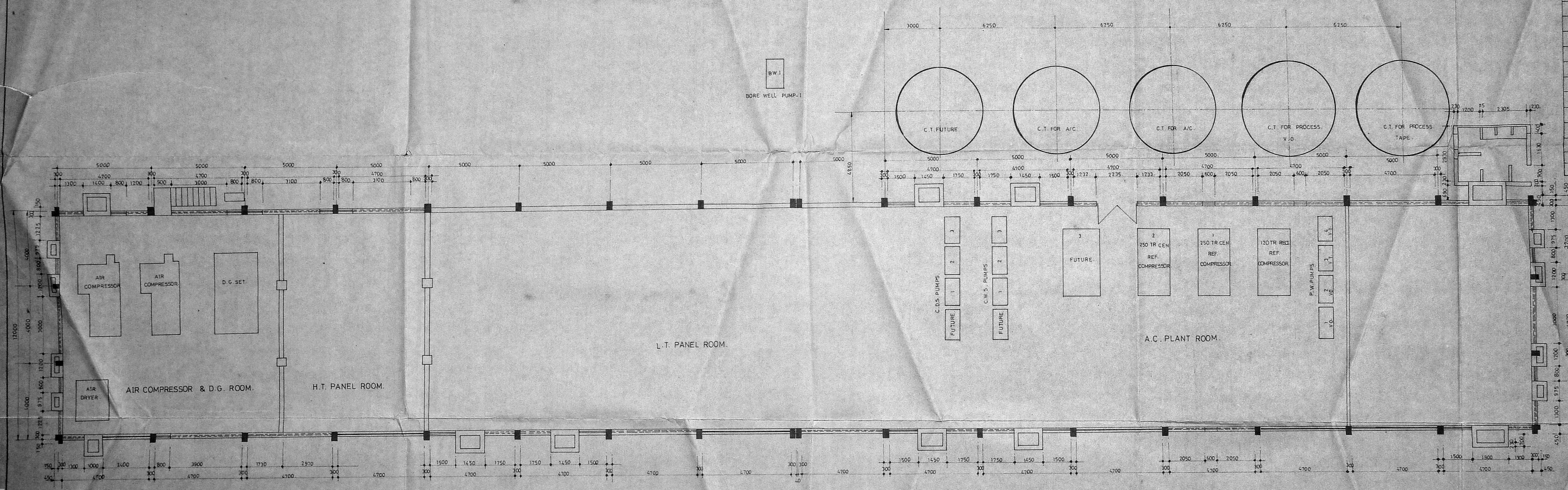
EV/02-A

MMDA C/PP NO. 11
 C.No. 2/922/91
 A.P. DM

M/C TOTAL POWER LOAD IN SERVICE BLOCK = 1231.8 HP
 TOTAL LIGHTING LOAD = 5.5 KW.

SCHEDULE OF PROPOSED EQUIPMENT LOAD IN SERVICE BLOCK.

S.NO	NAME OF THE M/C	SIZE			NO OF M/C	LOAD/M/C HP	TOTAL LOAD HP
		LTH	WDH	HT.			
1	DIESEL GENERATOR	4560	1010	2450	01	500KVA	-
2	Process Water Pumps	1650	830	1350	04	30.0	120.0
3	Chilled "	"	"	"	03	30.0	90.0
4	Condenser "	"	"	"	03	40.0	120.0
5	120 TR Refg Compressor	4000	1500	2500	01	150.0	150.0
6	250 TR CENT. "	"	"	1520	02	261.4	522.8
7	Cooling towers for A/C	64800	-	4500	02	10.0	20.0
8	" Process	65150	-	5600	02	10.0	20.0
9	Air Compressor	4830	1090	2070	02	75.0	150.0
10	Air Dryer	1620	910	1420	01	5.0	5.0
11	R.W.Pumps	-	-	-	02	12.5	25.0
12	S.W.Pumps	-	-	-	02	3.0	6.0
13	B.W.Pump-1	-	-	-	01	3.0	3.0



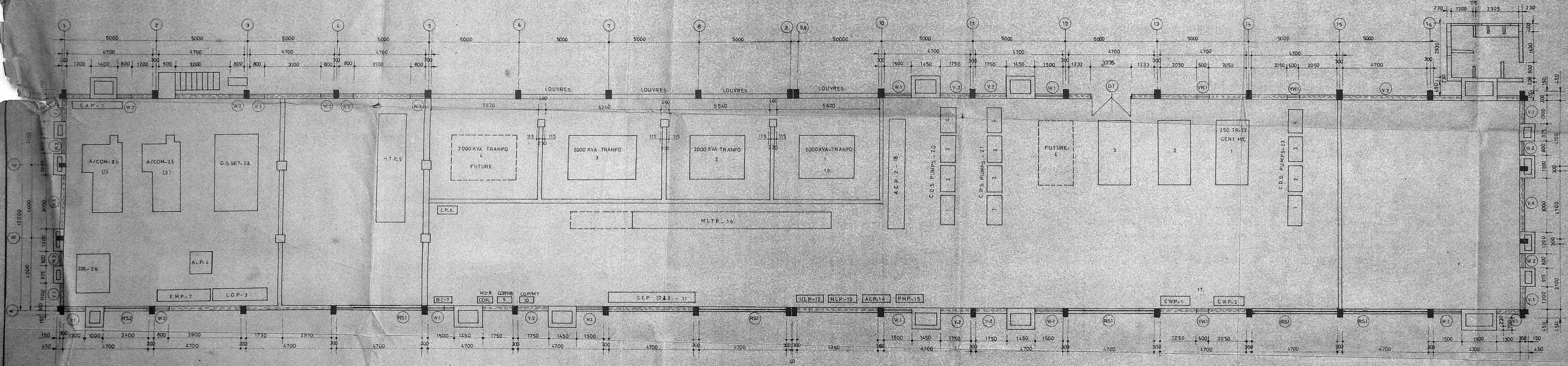
SOFTNER PLANT.

Planning Permit No. 2/922/91
APPROVED
 SUBJECT TO THE CONDITIONS IN THE D.I.C. LETTER.
 No. 19337/91
 Date: 6.5.92
 FOR THE SECRETARY
 MADRAS DEVELOPMENT AUTHORITY
 MADRAS - 600 008.

For NOVA ELECTRO MAGNETICS LTD.
 A. Kalyan Kumar, D.C.E.
 CONSULTING ENGINEER
 LICENCED BUILDING SURVEYOR
 TAMBARAM MUNICIPALITY
 36, AYYASAMY STREET
 Tambaram West, Madras-600 045

NOVA ELECTRO MAGNETICS LIMITED.
 SERVICE BLOCK.
 MACHINERY LAYOUT.
 ES-02A
 DRAWN: K.S.M. DATE: 28.05.90 SCALE: 1:1000

Mapping Department
 No. 1033/81
 FOR THE...
 7/25/6



SNO	CODE	NAME OF THE PART	SIZE		
			LEN.	WDM	HGT
1	CAP-1	COMPRESSOR AIR PANNEL	2600	540	2950
2	EMP	EMMERGENCY PANNEL	3550	1000	2078
3	COP	CHANGE OVER PANNEL			
4	ALP	ALTERWATER PANNEL			
5	H.T.P.	HIGH TENSION PANNEL	6560	2950	2850
6	C.P.	CONTROL PANNEL	890	580	2300
7	B.C.	BATTERY CHARGE	500	500	1000
8	COP-ML	CHANGE OVER PANNEL MLP	1650	335	1320
9	COP-M8	" " AHP-1	1450	405	1320
10	COP-M7	" " AHP-1	"	"	"
11	C.C.P-123	CAPASITOR CONTROL PANNEL	1570	540	2995
12	ULP	UTILITY PANNEL	1300	435	2210
13	MLP	MAIN LIGHTING PANNEL	1675	400	1900
14	ACP-3	AIR CONDITION PANNEL	1210	535	7200
15	P.M.P.	PUMP MOTOR PANNEL	1350	385	1770
16	MLTP	LDW TENSION PANNEL	15170	1220	1890
17	C.W.P-12	CHILLED WATER PANNEL	1100	495	2180
18	ACP-12	AIR CONDITION PANNEL 1&2	2	6475	1600
19	2000TRFC	2000 KVA TRANSFORMER 1-3	3	2900	2400
20	C.D.S-13	CONDENSER PUMP 1-3	3	1650	890
21	C.W.S-12	CHILLED WATER PUMP	3	"	"
22	250TRCE	250 TR CENTRIFUGAL CHILLER	3	4000	1520
23	C.D.S-13	CONDENSER PUMP	3	1650	890
24	D.G.S	DESEL GENERATOR	1	4580	1010
25	A/COM	AIR COMPRESSOR	1	2830	1030
26	DRY	DRYER	1	1820	910

SCHEDULE OF DOORS WINDOWS & ROLLING SHUTTERS

SNO	WIDTH	HEIGHT	SILL LVL.	LINTEL LVL.
D1	800	3000/3500		3000/3500/AS/ELYS
W1	1500	2200/1900	1200	2600/3000/AS/ELYS
W2	800	1800	1200	3000
W3	1300	150	2950/2350/AS/ELYS	3400/3000/AS/ELYS
W4	1750	"	"	"
W5	5700	550	2950	1800
W6	3000	"	2350	3000
W7	4700	"	2950/2350/AS/ELYS	3400/3000/AS/ELYS
RS1	3000	2000		3000
RS2	2400	"		"

NOVA ELECTRO MAGNETICS LTD.,
 SERVICE BLOCK
 GROUND FLOOR PLAN
 J.V.D. CONSULTANTS.
 MADRAS. ES-02
 DEAL DATE SCALE 1:100

For NOVA ELECTRO MAGNETICS LTD.
 A. Rajyana Kumar, D. A. T.
 LICENCED BUILDING SURVEYOR
 TAMBARAM MUNICIPALITY
 30, ATYASAMY STREET
 Tambaram West, Madras-000 045