

LOCATED IN STAIR BUILDING NO.2

SCHEDULE-PANELBOARD PD						
SERVICE - 120/208 VOLT, 3 PHASE, 4 WIRE						
MAIN - CIRCUIT BREAKER 225A, FRAME, 175A TRIP						
BRANCHES - CIRCUIT BREAKERS						
CABINET - SURFACE MOUNTED						
CIR. NO.	EQUIPMENT	HP	KVA	FRAME AMPS	TRIP AMPS	POLES
1	LTG. GALLERY PRIMARY TANK GALLERY		1.60	100	20	1
2	LTG. GALLERY PRIMARY TANK AREA		1.60			
3	LTG. GALLERY PRIMARY TANK GALLERY		1.40			
4	LTG. GALLERY PRIMARY TANK AREA		1.40			
5	LTG. GALLERY PRIMARY TANK GALLERY		1.40			
6	LTG. BLOWER ROOM		1.00			
7	LTG. GALLERY FINAL TANK GALLERY		1.40			
8	LTG. STAIR BUILDING NO. 1		1.05			
9	LTG. GALLERY FINAL TANK GALLERY		1.60			
10	LTG. STAIR BUILDING NO. 2		1.03			
11	LTG. GALLERY FINAL TANK GALLERY		1.60			
12	FLOODLIGHT CONTACTOR		0.90			
13	LTG. PRI. & FINAL SETTLING TKS. & CHLORINE TANK		0.64			
14	RECEPTACLE GALLERY PRIMARY TANK GALLERY		1.26			
15	RECEPTACLE GALLERY FINAL TANK GALLERY		0.90			
16	RECEPTACLE STAIR BUILDINGS 1 & 2 GRIT CHAMBER		0.90			
17	RECEPTACLE AERATION TANKS 1 & 2		0.72			
18	RECEPTACLE PRIMARY, FINAL, & CHLORINE TANK		1.08			
19	ROOF EXHAUST FAN REF-12	1/4	0.67			
20	UNIT HEATERS 22, 23 AND 24 @ 1/12HP, 1/6HP, 1/6HP		1.14			
21	UNIT HEATERS 25, 26 AND 27 @ 1/20HP EA.		0.33			
22	WATER HEATER WH-2 (1.5 KW)		1.50			
23	WATER HEATER WH-3 (1.5 KW)		1.50			
24	ROOF EXHAUST FAN REF-14	1/3	0.83			
25	SAMPLERS PRIM. EFFLUENT & FINAL CHLORINATOR		0.30			
26	EXIT LIGHTS		0.10			
27	AUXILIARY LIGHTING		-			
28	BATTERY CHARGER		0.10			
29	LS-21-1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42		0.10			
30	UNIT HEATERS 28, 29 AND 30 @ 1/8 HP		1.00			
31	UNIT HEATERS 31 AND 32 @ 1/30 HP		0.20			
32	ROOF EXHAUST FAN 13	1/4	0.67			
33	ROOF EXHAUST FAN 15	1/3	0.83			
34	LTG. GRIT CHAMBER		0.60			
35	SLUDGE CONTROL PANEL P2, FT-36 & 37		0.20			
36	MOTOR OPERATED DAMPERS		0.30			
37	GENERATOR FUEL OIL DAY TANK PUMP	1/4	0.60			
38	SEPTAGE ENCLOSURE UNIT HEATER		2.00			
39	MECHANICAL AERATOR GEARBOX HEATERS		2.00			
40		1/2	0.20		30	
41	HYDRO-PNEUMATIC PNL. EFF. SOL. & WELL PP.		1.00		20	
42	AT-42, AT-48, INCLUDING SAMP. PPS.		1.00		20	

LOCATED IN ELECTRICAL ROOM

SCHEDULE-PANELBOARD PA						
SERVICE - 120/208 VOLT, 3 PHASE, 4 WIRE						
MAIN - CIRCUIT BREAKER 400A, FRAME, 250A TRIP						
BRANCHES - CIRCUIT BREAKERS						
CABINET - SURFACE MOUNTED						
CIR. NO.	EQUIPMENT	HP	KVA	FRAME AMPS	TRIP AMPS	POLES
1	SUB FEED PANEL P8		35.0	225	125	3
2	LIGHTING COMMUNICATOR ROOM		1.00	100	20	1
3	HVAC		1.10			
4	LIGHTING COMMUNICATOR ROOM		1.00			
5	LIGHTING MOTOR AND CHEMICAL ROOM		1.40			
6	LIGHTING CONFERENCE ROOM		1.20			
7	LIGHTING MOTOR - CHEMICAL ROOM		1.60			
8	SPARE		1.00			
9	LIGHTING SECRETARY & CONFERENCE ROOMS		1.50			
10	LIGHTING SUPERINTENDENT		0.80			
11	LIGHTING LOBBY & CORRIDOR		1.60			
12	LIGHTING ELECTRICAL ROOM AND GENERAL OFFICE		1.20			
13	LIGHTING LABORATORY		1.20			
14	LIGHTING CORRIDOR		1.42			
15	LIGHTING LABORATORY		1.40			
16	LIGHTING CHLORINE ROOM		0.60			
17	LIGHTING, LIME STORAGE, SO <sub>2</sub> , CL <sub>2</sub> ROOMS		1.50			
18	LIGHTING GARAGE		0.90			
19	LIGHTING LUNCH, BOILER, JANITOR, MENS-WOMENS		1.40			
20	LIGHTING GARAGE, MAINTENANCE, TRUCKWAY		0.90			
21	LIGHTING STAIRS NO. 3 AND 1		0.40			
22	LTG. MECH. ROOMS 1 & 2, JAN. STOR. VAC. ROOMS		1.50			
23	LIGHTING STAIRS NO. 2		1.20			
24	LIGHTING SUB-BASEMENT PUMP ROOM		1.00			
25	LIGHTING FILTER AREA		1.20			
26	AUXILIARY LIGHTING UNITS		-			
27	LIGHTS FILTER AREA		0.90			
28	RECEPTACLE BASEMENT, AND MOTOR ROOM		1.26			
29	RECEPTACLE SUB-BASEMENT, COMMUNICATOR ROOM		0.90			
30	RECEPTACLE SECRETARY, CORRIDOR, LOBBY		1.08			
31	RECEPTACLE, CONFERENCE ROOM		1.22			
32	SPARE		1.00			
33	RECEPTACLE LOBBY, SUPER. OFFICE, WATER COOLER		0.90			
34	RECEPTACLE GEN. OFFICE AND ELECTRIC ROOM		1.26			
35	RECEPTACLE - CORRIDOR, LIME STORAGE		1.08			
36	EXIT LIGHTING		1.26			
37	RECEPT. SO <sub>2</sub> , CL <sub>2</sub> AND CHLORINE ROOM		-			
38			1.00			
39	NEW ENGLAND TELEPHONE RECEPT.					
40						
41						
42						

## EQUIPMENT ENCLOSURE LIST

ROOM OR AREA	NEMA TYPE			
	1	4	7	12
PUMP ROOM				
COMMUNICATOR ROOM				
CHEMICAL STORAGE & MOTOR AREAS				
LOBBY				
CORRIDOR NO. 1				
SUPERINTENDENT'S OFF.				
SECRETARY'S OFFICE				
CONFERENCE ROOM				
GENERAL OFFICE				
ELECTRICAL ROOM				
LABORATORY				
STORAGE ROOM NO. 1				
CORRIDOR'S NO. 2 & NO. 3				
LIME STORAGE ROOM				
CHLORINATORS & SO <sub>2</sub> ROOM				
CHLORINE SCALE ROOM				
LUNCH ROOM				
BOILER ROOM				
JANITOR'S ROOM NO. 1				
WOMEN'S TOILET ROOM				
MEN'S TOILET ROOM				
GARAGE & MAINT. AREA				
TRUCKWAY				
STAIR NO. 1, NO. 2 & NO. 3				
STAIR NO. 4				
MECHANICAL ROOM NO. 1 & NO. 2				
FILTER AREA				
JANITOR'S ROOM NO. 2				
STORAGE ROOM NO. 2				
VACUUM ROOM				
BLOWER ROOM				
PUMP GALLERIES				
GENERATOR ROOM				
STAIR NO. 5				
MCC ROOM				
STAIR NO. 6				
OUTDOOR AREAS				

## CONDUIT AND WIRE SCHEDULE

CONDUIT NO.	SIZE	CABLE		FROM	TO	REMARKS
		NO.	SIZE			
C-200	1	3	8	MOTOR CONTROL CENTER NO. 2	LIME CONTACT AND BLENDING TANK MIXERS NO. 1	POWER CONTROL AND MOTOR HEATER
C-201	1	3	8	MOTOR CONTROL CENTER NO. 2	LIME CONTACT AND BLENDING TANK MIXERS NO. 2	POWER CONTROL AND MOTOR HEATER
C-202	1	3	10	MOTOR CONTROL CENTER NO. 2	BLENDING SLUDGE PUMP NO. 1	POWER CONTROL AND PILOT MOTOR
C-203	1	3	10	MOTOR CONTROL CENTER NO. 2	BLENDING SLUDGE PUMP NO. 2	POWER CONTROL AND PILOT MOTOR
C-204	1	3	10	MOTOR CONTROL CENTER NO. 2	BLENDING SLUDGE PUMP STANDBY	POWER CONTROL AND PILOT MOTOR
C-205	1	3	8	MOTOR CONTROL CENTER NO. 2	AERATION TANK BLOWER NO. 3 STANDBY	POWER CONTROL
C-206	1	3	8	MOTOR CONTROL CENTER NO. 2A	AERATION TANK BLOWER NO. 4	POWER CONTROL
C-207	3/4	3	12	MOTOR CONTROL CENTER NO. 2A	AERATION TANK BLOWER NO. 1	POWER CONTROL
C-208	3/4	3	12	MOTOR CONTROL CENTER NO. 2	AERATION TANK BLOWER NO. 2	POWER CONTROL
C-209	3/4	3	12	MOTOR CONTROL CENTER NO. 2	PRIMARY SLUDGE PUMP NO. 1	POWER CONTROL
C-210	3/4	3	12	MOTOR CONTROL CENTER NO. 2	PRIMARY SLUDGE PUMP NO. 2	POWER CONTROL
C-211	3/4	3	12	MOTOR CONTROL CENTER NO. 2	FINAL SCUM PUMP NO. 1	POWER CONTROL
C-212	3/4	3	12	MOTOR CONTROL CENTER NO. 2	FINAL SCUM PUMP NO. 2	POWER CONTROL
C-213	3/4	3	12	MOTOR CONTROL CENTER NO. 2	FOAM SPRAY PUMP	POWER CONTROL
C-214	3/4	3	12	MOTOR CONTROL CENTER NO. 2	SEPTAGE PUMP	POWER CONTROL
C-215	3/4	3	12	MOTOR CONTROL CENTER NO. 2	SO <sub>2</sub> FLASH TANK MIXER	POWER CONTROL AND MOTOR HEATER
C-216	3/4	3	12	MOTOR CONTROL CENTER NO. 2A	CHLORINE FLASH TANK MIXER	POWER CONTROL AND MOTOR HEATER
C-217	1	3	8	MOTOR CONTROL CENTER NO. 2A PULL BOX	MECHANICAL AERATOR NO. 1 VIA PULL BOX IN GALLERY TUNNEL	POWER CONTROL
C-218	1	3	8	MOTOR CONTROL CENTER NO. 2A PULL BOX	MECHANICAL AERATOR NO. 2 VIA PULL BOX IN GALLERY TUNNEL	POWER CONTROL
C-219	1	3	8	MOTOR CONTROL CENTER NO. 2A PULL BOX	MECHANICAL AERATOR NO. 3 VIA PULL BOX IN GALLERY TUNNEL	POWER CONTROL
C-220	1	3	8	MOTOR CONTROL CENTER NO. 2A PULL BOX	MECHANICAL AERATOR NO. 4 VIA PULL BOX IN GALLERY TUNNEL	POWER CONTROL
C-221	1	3	6	MOTOR CONTROL CENTER NO. 2A	EFFLUENT WATER PUMP NO. 1	POWER CONTROL
C-222	1	3	6	MOTOR CONTROL CENTER NO. 2A	EFFLUENT WATER PUMP NO. 2	POWER CONTROL
C-223	1	3	8	MOTOR CONTROL CENTER NO. 2A	RETURN SLUDGE PUMP NO. 1	POWER CONTROL AND SPEED CONTROL
C-224	1	3	8	MOTOR CONTROL CENTER NO. 2A	RETURN SLUDGE PUMP NO. 3 STANDBY	POWER CONTROL AND SPEED CONTROL
C-225	1	3	8	MOTOR CONTROL CENTER NO. 2A	RETURN SLUDGE PUMP NO. 2	POWER CONTROL AND SPEED CONTROL
C-226	3/4	3	12	MOTOR CONTROL CENTER NO. 2A	TO PULL BOX AT PRI. SETTLING TANK NO. 1	POWER CONTROL
C-227	3/4	3	12	MOTOR CONTROL CENTER NO. 2A	TO PULL BOX AT PRI. SETTLING TANK NO. 2	POWER CONTROL
C-228	3/4	3	12	MOTOR CONTROL CENTER NO. 2A	TO PULL BOX AT FINAL SETTLING TANK NO. 1	POWER CONTROL
C-229	3/4	3	12	MOTOR CONTROL CENTER NO. 2A	TO PULL BOX AT FINAL SETTLING TANK NO. 2	POWER CONTROL
C-230	3/4	3	12	MOTOR CONTROL CENTER NO. 2A	SUMP PUMP SP-2	POWER CONTROL
C-231	3/4	3	12	MOTOR CONTROL CENTER NO. 2A	SUMP PUMP SP-3	POWER CONTROL
C-232	3/4	3	12	MOTOR CONTROL CENTER NO. 2A	SUMP PUMP SP-5	POWER CONTROL
C-233	3/4	3	12	MOTOR CONTROL CENTER NO. 2A	SUMP PUMP SP-6	POWER CONTROL
C-234	3/4	3	12	MOTOR CONTROL CENTER NO. 2A	SUMP PUMP SP-4	POWER CONTROL
C-235	3/4	3	12	MOTOR CONTROL CENTER NO. 2A	SUMP PUMP SP-7	POWER CONTROL
C-236	3/4	3	12	MOTOR CONTROL CENTER NO. 2A	SULFONATOR AND CHLORINATOR INJECTION WATER PUMP NO. 1	POWER CONTROL
C-237	3/4	3	12	MOTOR CONTROL CENTER NO. 2A	SULFONATOR AND CHLORINATOR INJECTION WATER PUMP NO. 2	POWER CONTROL
C-238	1	3	4	MOTOR CONTROL CENTER 2A	TRANSFORMER T3	PRIMARY LEADS GROUNDWIRE
C-239	2	4	2/0	TRANSFORMER T3	PANELBOARD PD	120/208 VOLT
C-240	3/4	3	12	MOTOR CONTROL CENTER NO. 2	GRIT CHAMBER MONORAIL	FEEDER
C-241	3/4	3	12	MOTOR CONTROL CENTER NO. 2	DEHUMIDIFIER NO. 1	FEEDER
C-242	3/4	3	12	MOTOR CONTROL CENTER NO. 2	DEHUMIDIFIER NO. 2	FEEDER

## CONDUIT AND WIRE SCHEDULE

CONDUIT NO.	SIZE	CABLE NO.	SIZE	FROM	TO	REMARKS
C-243	3/4	6	19/25	MOTOR CONTROL CENTER NO. 2	FINAL SCUM WELL HIGH AND LOW LEVEL SWITCHES	CONTROL LS-23-1 AND LS-23-2
C-244	3/4	3	19/25	MOTOR CONTROL CENTER NO. 2	DEHUMIDIFIER NO. 2	POWER
C-245	1	12	19/25	MOTOR CONTROL CENTER NO. 2A	SLUDGE CONTROL PANEL P2	CONTROL (RETURN SLUDGE PUMPS)
C-246	2	12-2/C	16 SH	SLUDGE CONTROL PANEL P2 & AT-42, 48	CENTRAL RECORDING PANEL P1	SIGNAL (6-2/C SPARES)
C-247	1 1/2	12	8	MOTOR CONTROL CENTER NO. 2A	MECH. AERATOR WATT HOUR METER	POWER
C-248	1 1/2	12	8	MOTOR CONTROL CENTER NO. 2A	MECH. AERATOR WATT HOUR METER	POWER
C-249	3/4	2	12	MOTOR CONTROL CENTER NO. 2A	FLOODLIGHTS-MECH. HELD CONTACTOR	POWER
C-250	1	3	12	MOTOR CONTROL CENTER NO. 2	PRIMARY SCUM WELL MIXER	POWER CONTROL AND MOTOR HEATER
C-251	1	3-2/C	16 SH	BLENDING SLUDGE PUMPS	VACUUM FILTER PANEL P3	SIGNAL (SPEED INDICATE)
C-252	3/4	9	19/25	TERMINAL BOX P3	BLENDING SLUDGE PUMP PILOT MOTOR	SPEED CONTROL
C-253	3/4	5	19/25	TERMINAL BOX P3	LIME CONTACT TANKS LEVEL SWITCHES	ALARM
C-254	3/4	8	19/25	JCT. BOX NEAR LIME CONTACT TANK NO. 1	JCT. BOX NEAR PRIMARY SLUDGE PUMP NO. 1	HIGH & LOW IND. LIGHTS LIME CONTACT TANK NO. 1 & 2
C-255	3/4	4	19/25	JCT. BOX NEAR PRIMARY SLUDGE PUMP NO. 1	IND. LIGHTS NEAR PRIMARY SLUDGE PUMP NO. 2	HIGH & LOW IND. LIGHTS LIME CONTACT TANK NO. 2
C-256	3/4	6	19/25	TERMINAL BOX P1	SUMP PUMP SP-2, 3, 4 AND PRIMARY SETTLING TANK NO. 1 & PRI. EFF. SAMPLE PP	ALARM & SIGNAL CONTINUE IN C-261
C-257	3/4	3	19/25	TERMINAL BOX P1	PRIMARY SCUM WELL AND PRIMARY SETTLING TANK NO. 2	ALARM CONT. IN C-261
C-258	1 1/2	28	19/25	PULL BOX UNDER MCC-2 (MCC-2 & 2A)	GRAPHIC PANEL "G1"	IND. LTS. 2 COMM. WIRES, 6-SP.
C-259	1 1/4	4	19/25	MOTOR CONTROL CENTER NO. 2	TERMINAL BOX P3	LIME CONTACT TANK MIXER NO. 1, AND NO. 2 OVERLOAD, BLENDING SLUDGE PUMPS (ALARM)
C-260	1 1/4	13	19/25	TERMINAL BOX P1	TO PULL BOX AT FINAL PUMP GALLERY	BLENDING SLUDGE PUMPS (CONTROL)
C-261	1 1/2	30	19/25	TERMINAL BOX P1	CENTRAL RECORDING PNL "P1" VIA PULL BOX P1, (ALARM, FLOODLIGHT CONTROL & EFF. SOL. VALVE)	ALARM & SIGNAL CONT. IN C-261
C-262	2	46	19/25	TERMINAL BOX P3	VACUUM FILTER PANEL P3	CONT. IN C-256, C-257 AND C-260

## RECORD DRAWING

NUMBER	DATE	MADE BY	CHECKED BY	DESCRIPTION
1	12/7/77	D. WALKER		REVISED C-261 AND PANELBOARD "PD" CIR. 40.
REVISIONS				

DRAWN BY	D. Walker
DEPT. CHECK	H. F.