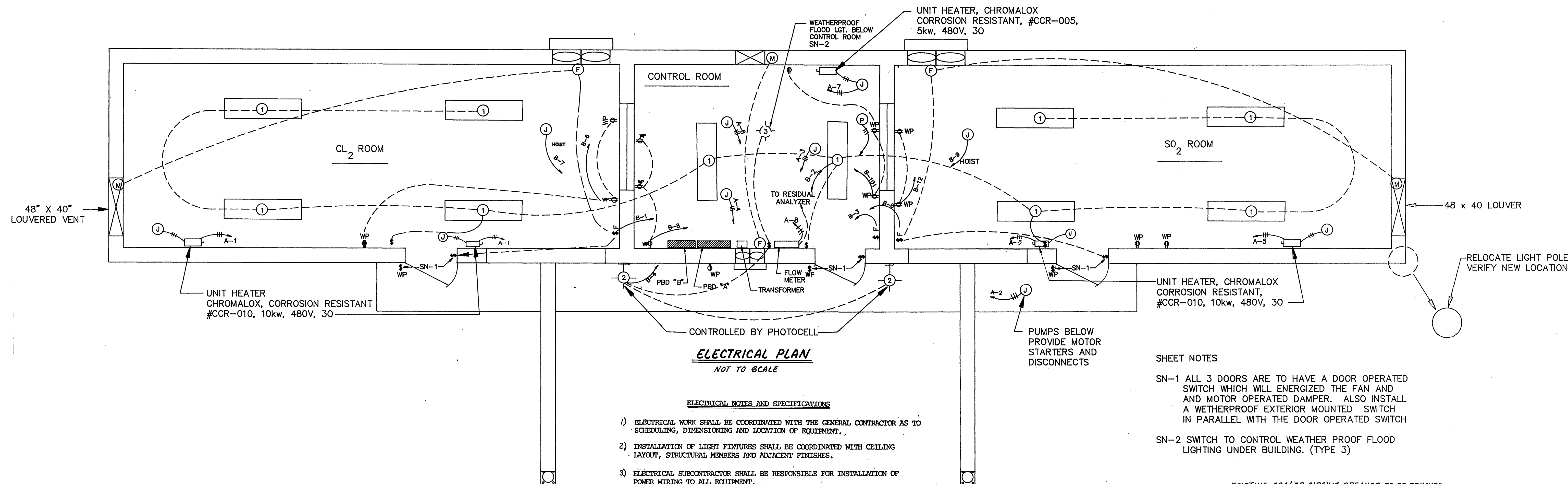




ELECTRICAL PLAN NOT TO SCALE

ELECTRICAL NOTES AND SPECIFICATIONS

- 1) ELECTRICAL WORK SHALL BE COORDINATED WITH THE GENERAL CONTRACTOR AS TO SCHEDULING, DIMENSIONING AND LOCATION OF EQUIPMENT.
- 2) INSTALLATION OF LIGHT FIXTURES SHALL BE COORDINATED WITH CEILING LAYOUT, STRUCTURAL MEMBERS AND ADJACENT FINISHES.
- 3) ELECTRICAL SUBCONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION OF POWER WIRING TO ALL EQUIPMENT.
- 4) ALL SAFETY SWITCHES TO BE SIMILAR OR EQUAL TO SQUARE D, HEAVY DUTY H SERIES.
- 5) ENGRAVED PLASTIC IDENTIFICATION PLATES SHALL BE PROVIDED FOR ALL DISCONNECT SWITCHES, PANELBOARDS, USING ENGRAVERS STOCK MELAMINE PLASTIC, BLACK WITH 1/3" HIGH WHITE CORE LETTERING. CONTRACTOR TO SUBMIT SCHEDULE OF INTENDED LABELING PRIOR TO ORDERING NAME PLATES.
- 6) CONTRACTOR TO PROVIDE ADDITIONAL 1" FLOOR PENETRATION W/ CONDUIT IN LOCATIONS DESIGNATED BY OWNER.

SHEET NOTES

- SN-1 ALL 3 DOORS ARE TO HAVE A DOOR OPERATED SWITCH WHICH WILL ENERGIZED THE FAN AND AND MOTOR OPERATED DAMPER. ALSO INSTALL A WETHERPROOF EXTERIOR MOUNTED SWITCH IN PARALLEL WITH THE DOOR OPERATED SWITCH
- SN-2 SWITCH TO CONTROL WEATHER PROOF FLOOD LIGHTING UNDER BUILDING. (TYPE 3)

CIRC. NO.	DESCRIPTION OF LOAD	SPACE #	POLES	WIRE SIZE	3 WIRE PHASE AMPS	WIRE SIZE	POLES	SPACE #	DESCRIPTION OF LOAD	CIRC. NO.
1	UNIT HEATER CL ₂ ROOM	1	12	12		10	12	2	(2) 3HP PUMPS (BELOW WALKWAY)	2
3	UNIT HEATER CONTROL RM.	3	12	10		10	12	4	VAPORIZER	4
5	UNIT HEATER SO ₂ ROOM	5	12	10		10	12	6	VAPORIZER	6
7		7	12	10		10	12	8	PANEL B VIA TRANSFORMER	8
9		9	12	10		10	12	10		10
11		11	12	10		10	12	12		12
13		13	12	10		10	12	14		14
15		15	12	10		10	12	16		16
17		17	12	10		10	12	18		18
19		19	12	10		10	12	20		20
21		21	12	10		10	12	22		22
23		23	12	10		10	12	24		24
25		25	12	10		10	12	26		26
27		27	12	10		10	12	28		28
29		29	12	10		10	12	30		30
31		31	12	10		10	12	32		32
33		33	12	10		10	12	34		34
35		35	12	10		10	12	36		36
37		37	12	10		10	12	38		38
39		39	12	10		10	12	40		40
41		41	12	10		10	12	42		42

PANELBOARD (PBD) "A"

225 AMPS MAIN BRK, 480 VOLT, 3 PH, 3 WIRE, 45 MOUNT SPACE, NEMA 1, SURFACE MOUNTED, 10,000 AIC

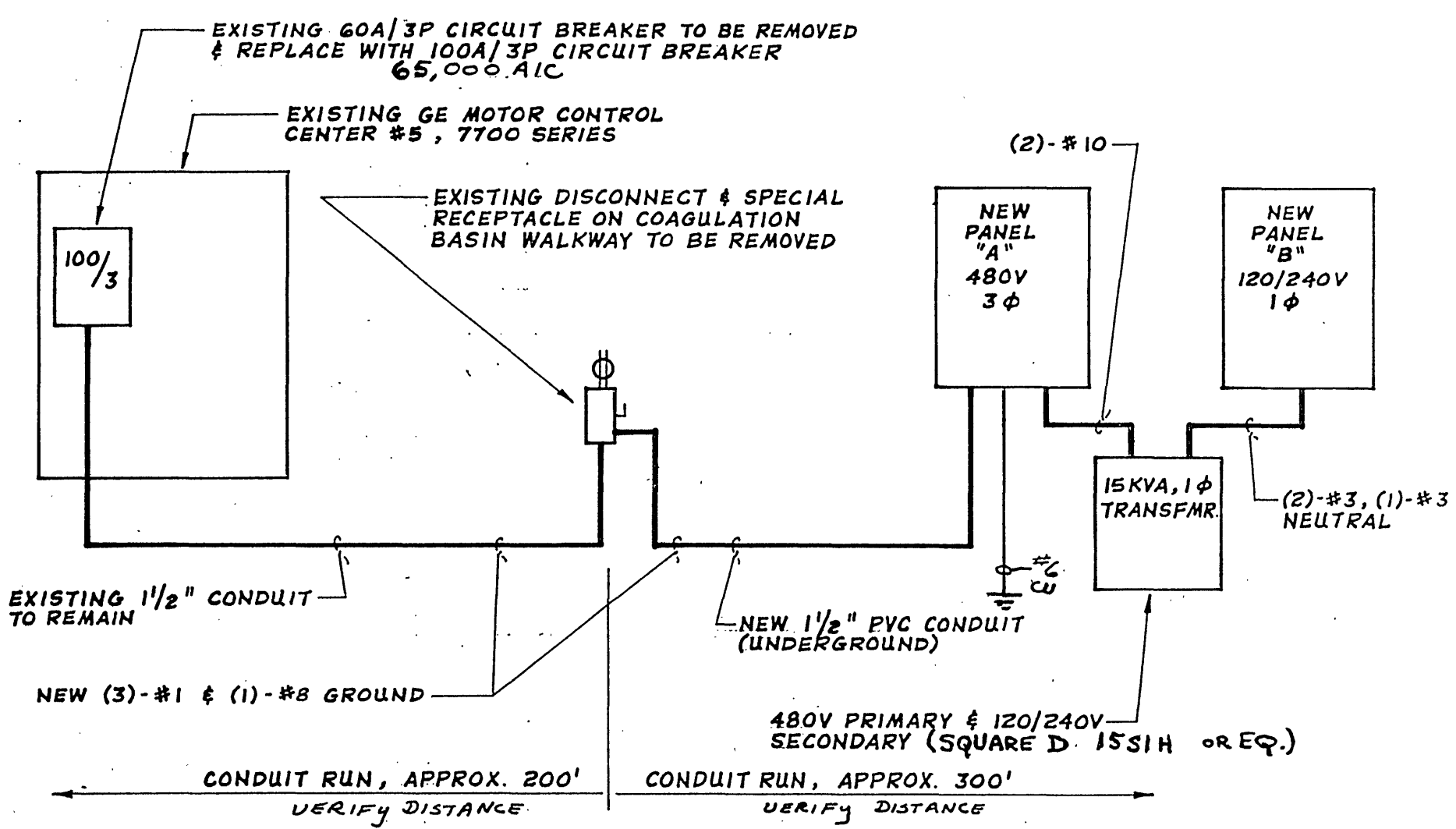
CIRC. NO.	DESCRIPTION OF LOAD	SPACE #	POLES	WIRE SIZE	3 WIRE POLE AMPS	WIRE SIZE	POLES	SPACE #	DESCRIPTION OF LOAD	CIRC. NO.
1	FAN & LOUVER (CL ₂)	1	24	12	10	12	24	2	LIGHTING	2
3	FAN & LOUVER (CONT)	3	24	12	10	12	24	4	EXTERIOR LIGHTS	4
5	FAN & LOUVER (SO ₂)	5	24	12	10	12	24	6	RECP'S FOR EQUIP. VERIFY LOCATIONS	6
7	HOIST (CL ₂)	7	12	12	5.2	12	12	8		8
9	HOIST (SO ₂)	9	12	12	5.2	12	12	10		10
11		11	12	12	5.2	12	12	12		12
13		13	12	12	5.2	12	12	14		14
15		15	12	12	5.2	12	12	16		16
17		17	12	12	5.2	12	12	18		18
19		19	12	12	5.2	12	12	20		20
21		21	12	12	5.2	12	12	22		22
23		23	12	12	5.2	12	12	24		24
25		25	12	12	5.2	12	12	26		26
27		27	12	12	5.2	12	12	28		28
29		29	12	12	5.2	12	12	30		30

PANELBOARD (PBD) "B"

225 AMPS MLO, 120/240 VOLT, 1 PH, 3 WIRE, 30 MOUNT SPACE, NEMA 1, SURFACE MOUNTED, 10,000 AIC

ELECTRICAL LEGEND

- ⊕ SINGLE POLE LIGHT SWITCH
- ⊕ FAN SWITCH OR MOTOR SWITCH
- ⊕ SWITCH WITH PILOT LIGHT
- ⊕ +40 DUPLEX RECEPTACLE WITH MOUNTING HEIGHT
- ⊕ WP DUPLEX RECEPTACLE - WEATHERPROOF
- ⊕ WIRING JUNCTION BOX OR EQUIPMENT JUNCTION
- SN3 SHEET NOTE
- PBD PANELBOARD
- MS MAGNETIC MOTOR STARTER
- F FAN
- M MOTOR
- WIRERUN
- ③ LIGHT FIXTURE - SURFACE MTD.
- ④ LIGHT FIXTURE - WALL MTD.

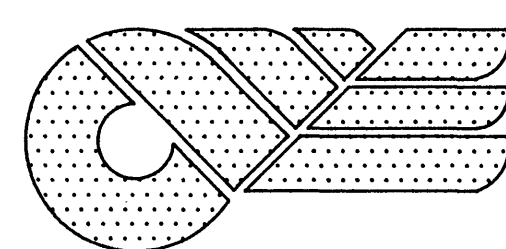


POWER RISER DIAGRAM

NO SCALE

LIGHTING FIXTURE SCHEDULE

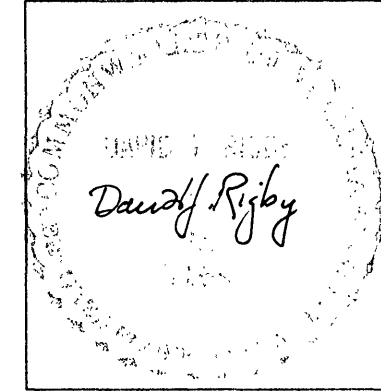
TYPE	MANUFACTURER	MODEL NO.	LAMP		VOLTS	MOUNTING	REMARKS
			N.O.	WATTS			
①	BENJAMIN	FV2234-4	3	40 RS	120	SURFACE	CHLORINATION RESISTANT TO CHLORINE + SULFUR DIOXIDE, TEMPERED GLASS.
②	HOLOPLANE CO., INC. NEWARK, OHIO	MODULE 600, LUMINAIRE CAT.# MDWP176MV12B2	3	175 INC	120	WALL SURFACE	PHOTOCELL CONTROLLED CAT.# MDWP-PR-120
③	AMERICAN ELECTRIC	570-61	1	500 QZ	120	SURFACE	WET LOCATION WITH ADJUST- ABLE MOUNTING DEVICE



CLEAN WATER ENGINEERS, INC.

P.O. BOX 218
FINCASTLE, VIRGINIA 24090

ROANOKE WATER POLLUTION CONTROL PLANT
CHLORINATION/DECHLORINATION FACILITIES
ELECTRICAL PLAN



REVISIONS			DESIGNED:	SHEET:
NO.	DATE	BY	WGP	10 OF 10
1	5-1-89	WGP	DRAWN: NA	SCALE: AS SHOWN
2	5-9-89	DJR	CHECKED: DJR	DATE: JAN 1989
			APPROVED: DJR	PROJECT: 87025