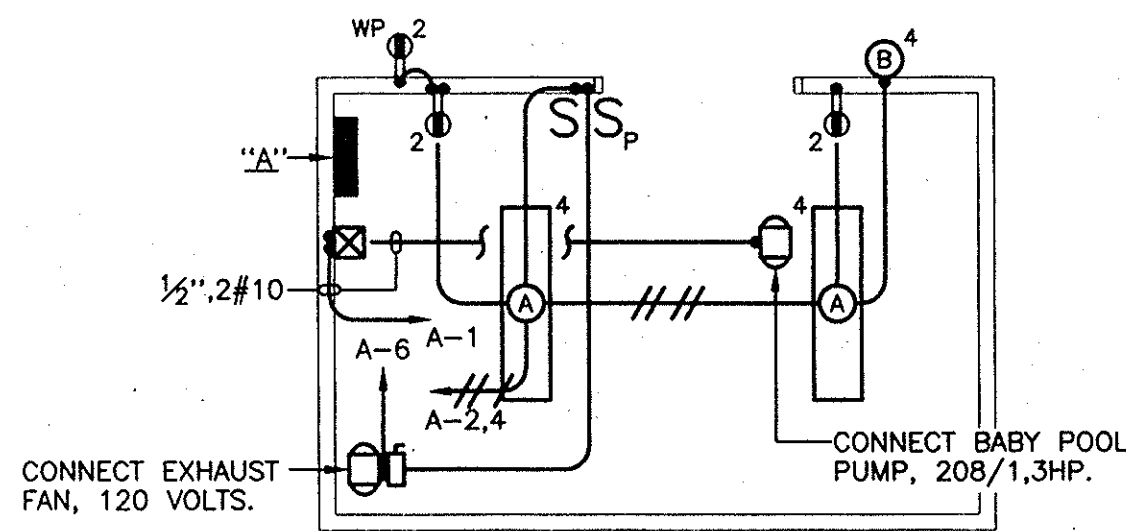


ENLARGED MAIN POOL EQUIPMENT
ROOM PLAN - ELECTRICAL
SCALE: 1/4"=1'-0"



ENLARGED BABY POOL EQUIPMENT
ROOM PLAN - ELECTRICAL
SCALE: 1/4"=1'-0"

LIGHTING FIXTURE SCHEDULE														
DESIGNATION	LAMPS					MOUNTING			DESCRIPTION: SHIELDING, TYPE MATERIALS, FINISH, MOUNTING	MANUFACTURER'S PRODUCT ITEM		REMARKS		
	INCANDESCENT	FLUORESCENT	MERCURY	METAL HALIDE	HIGH PRESSURE SODIUM	WATTS	PENDANT STEM LENGTH	CEILING					WALL	
								SURFACE					RECESSED	HEIGHT ABOVE FLOOR OR GRADE
A	•				2	32 T8		•			4' INDUSTRIAL VAPOR TIGHT, WET LOCATION	WILLIAMS	93-2-2320C-A	
B		•			1	70			+96" C		WALL PACK, GLASS REFRACTOR, BUILT-IN PHOTOCELL	LITHONIA	TWP-70M	

PANEL B		MAINS: 225A		VOLTAGE/PHASE: 120/208V, 3Ø, 4W, WYE				MOUNTING: SURFACE		ENTRY: BOTTOM		
		FEEDER SIZE: #4 AWG		SHORT CKT. CAPACITY: 22,000A				MAIN BREAKER: YES(225/3)				
CKT. NO.	SERVES	LOAD (KVA)			BREAKER	BREAKER	LOAD (KVA)			SERVES	CKT. NO.	
		ØA	ØB	ØC	TRIP	POLE	TRIP	ØA	ØB			ØC
1	MAIN POOL PUMP	5.8			90	3	2	30	2.0		EXISTING LOAD	2
3			5.8		1	1			2.0			4
5				5.8			1	20		1.0	EXISTING LOAD	6
7	SPARE				20	1	1	20	1.0		EXISTING LOAD	8
9	SPARE				20	1	1	20	1.0		EXISTING LOAD	10
11	SPARE				20	1	1	20	1.0		EXISTING LOAD	12
13	SPARE				20	1	1	20	1.0		EXISTING LOAD	14
15	SPARE				20	1	1	20	1.0		EXISTING LOAD	16
17	SPACE ONLY				20	1	1	20		0.5	CHLORINE PUMP	18
19	SPACE ONLY				20	1	1	20	0.5		CHLORINE PUMP	20
21	SPACE ONLY				20	1	1	20		0.5	WATER LEVEL CTRL.	22
23	SPACE ONLY				20	1	1	20		0.5	EXHAUST FAN	24
SUB TOTAL CONNECTED		5.8	5.8	5.8				4.5	4.5	3.0	SUB TOTAL CONNECTED	
SUB TOTAL CONNECTED #A: 10.3		SUB TOTAL CONNECTED #B: 10.3			SUB TOTAL CONNECTED #C: 8.8			TOTAL CONNECTED: 29.4				
NOTES:												
1. PANEL SHALL BE NEMA 4X.												

PANEL A		MAINS: 60A FEEDER SIZE: #4AWG		VOLTAGE/PHASE: 120/240V, 1Ø, 3W SHORT CKT. CAPACITY: 10,000A				MOUNTING: SURFACE MAIN BREAKER: YES(60/2)		ENTRY: BOTTOM	
CKT. NO.	SERVES	LOAD (KVA)		BREAKER		BREAKER		LOAD (KVA)		SERVES	CKT. NO.
		ØA	ØB	TRIP	POLE	TRIP	POLE	ØA	ØB		
1	PUMP	2.0		40	2	1	20	0.4		RECEPTACLES	2
3			2.0			1	20		0.4	LIGHTS	4
5	SPARE			40	2	1	20	0.5		EXHAUST FAN	6
7						1	20		0.2	RECEPTACLE	8
9	SPACE ONLY			20	1	1	20			SPACE	10
11	SPACE ONLY			20	1	1	20			SPACE	12
SUB TOTAL CONNECTED		2.0	2.0					0.9	0.6	SUB TOTAL CONNECTED	
SUB TOTAL CONNECTED #A: 2.9				SUB TOTAL CONNECTED #B: 2.6				TOTAL CONNECTED: 5.5			
NOTES:											
1. PANEL SHALL BE NEMA 4X.											

LEGEND

DESCRIPTION

- INCANDESCENT, H.I.D., OR COMPACT FLUORESCENT LIGHTING FIXTURE; "A" REFERS TO DESIGNATION IN THE LIGHTING FIXTURE SCHEDULE; "B" REFERS TO SWITCH CONTROL AND "3" REFERS TO CIRCUIT NUMBER.
- FLUORESCENT LIGHTING FIXTURE; "B" REFERS TO DESIGNATION IN THE LIGHTING FIXTURE SCHEDULE; "A" REFERS TO SWITCH CONTROL; AND "2" REFERS TO CIRCUIT NUMBER.
- WALL SWITCH; SINGLE POLE UNLESS NOTED 3- OR 4-WAY; "P" INDICATES EQUIPPED WITH PILOT LIGHT TO INDICATE WHEN SWITCH IS ON; W.P. INDICATES WEATHERPROOF; "K" INDICATES KEY OPERATED SWITCH; +48" / - ABOVE FLOOR EXCEPT IN MASONRY WALLS WHERE HEIGHT SHALL BE ADJUSTED TO HAVE BOX EDGE OCCUR AT A MASONRY JOINT.
- DUPLEX PLUG RECEPTACLE, 120-VOLTS, 20-AMPERES, SHADED CENTER INDICATES EQUIPPED WITH BUILT-IN GROUND FAULT CIRCUIT INTERRUPTER, MOUNT 3" ABOVE BACKSPLASH AT WORK COUNTERS/LAVATORIES AND +18" AFF ELSEWHERE UNLESS NOTED TO A DIFFERENT HEIGHT. PROVIDE WEATHERPROOF COVER WHERE LOCATED OUTDOORS.
- PANELBOARD, RECESSED OR SURFACE MOUNTED AS INDICATED ON DRAWINGS, TOP 6'-FEET ABOVE FINISHED FLOOR ADJUSTED TO OCCUR AT A MASONRY JOINT, SEE PANELBOARD SCHEDULE FOR EQUIPMENT CONTAINED.
- CONDUIT IN THE FLOOR CONSTRUCTION OR UNDERGROUND SHOWN TURNING UP.
- CONDUIT IN THE WALL OR CEILING CONSTRUCTION SHOWN TURNING DOWN.
- JUNCTION BOX, SIZE AND USE AS REQUIRED; COVERPLATE SHALL OVERLAP THE BOX EDGE BY 1/2" WHERE RECESSED IN WALL WITH CONCEALED WIRING.
- ELECTRIC MOTOR REQUIRING CONNECTION, SIZE, USE, AND LOCATION AS INDICATED ON PLANS, VERIFY LOCATION AND CONNECTIONS REQUIRED WITH MECHANICAL TRADE PRIOR TO ROUGH-IN; USE FLEXIBLE CONDUIT WITHIN 18" OF EQUIPMENT.
- FUSED DISCONNECT SWITCH, HEAVY DUTY "HP" RATED, PROVIDE NEMA 3R ENCLOSURE OUTDOORS.
- MAGNETIC MOTOR STARTER FOR EQUIPMENT INDICATED; PROVIDE HEAVY DUTY FUSED DISCONNECT SWITCH IN LOCATIONS WHERE STARTER IS OUT OF SIGHT OF SUPPLYING PANELBOARD.

AS BUILT

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DATE: 10/04/00

JOB # 371

SHEET #

E-2

REPLACE SWIMMING POOL
NORRIS DAM STATE PARK
LAKE CITY, TENNESSEE
SBC # 126/063-01-97A

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