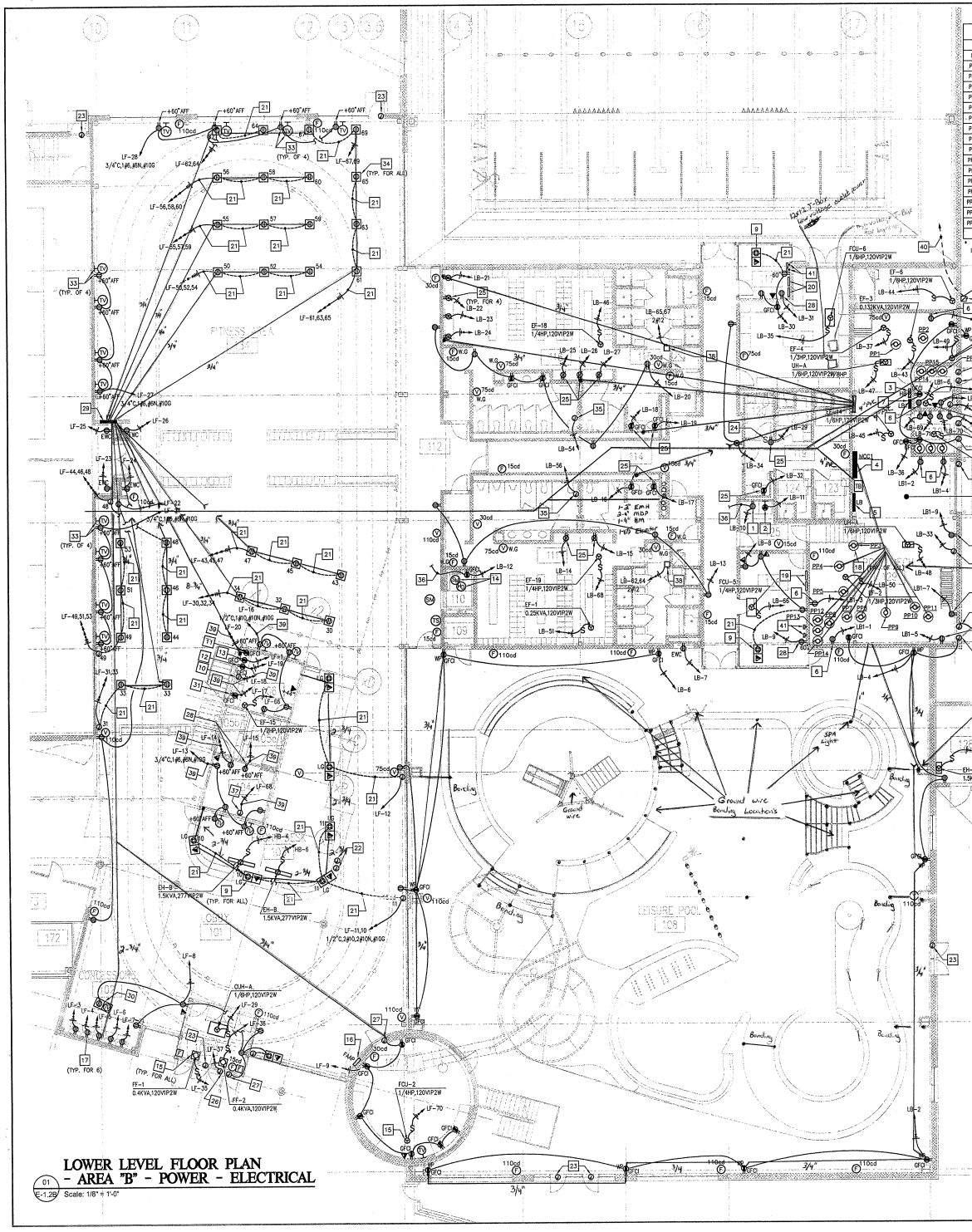


PUMP SCHEDULE

SPECIFICATIONS

ID	DESCRIPTION	GPM	TDH	HP	PANEL NAME	CONDUCTOR SIZE	CONDUIT SIZE
PP1	COMPETITION POOL - RECIRCULATION	946	60	20	MCC1	3#1,1#8 E.G	3/4"
PP2	COMPETITION POOL - RECIRCULATION 2	946	60	20	MCC1	3#1,1#8 E.G	3/4"
PP3	LEISURE POOL - RECIRCULATION	835	60	20	MCC1	3#1,1#8 E.G	3/4"
PP4	WATER SLIDE	600	40	10	MCC1	3#10,1#10 E.G	3/4"
PP5	RESISTANCE WALKING	1000	40	12	MCC1	3#10,1#10 E.G	3/4"
PP6	VORTEX	600	35	10	MCC1	3#10,1#10 E.G	3/4"
PP7	SPA HYDROTHERAPY	540	40	10	MCC1	3#10,1#10 E.G	3/4"
PP8	WATER FEATURES	1120	40	20	MCC1	3#10,1#10 E.G	3/4"
PP9	CURRENT CHANNEL	1500	35	20	MCC1	3#10,1#10 E.G	3/4"
PP10	SPA - RECIRCULATION	100	60	5	MCC1	3#12,1#12 E.G	3/4"
PP11	HAYSTACK	-	-	3	MCC1	3#12,1#12 E.G	3/4"
PP12	HAYSTACK	-	-	3	MCC1	3#12,1#12 E.G	3/4"
PP13	BUBBLE COUCH	-	-	3	MCC1	3#12,1#12 E.G	3/4"
PP14*	CHLORINE BOOSTER PUMP	-	-	3/4	MCC1	3#12,1#12 E.G	3/4"
PP15*	CHLORINE BOOSTER PUMP	-	-	3/4	MCC1	3#12,1#12 E.G	3/4"
PP16*	CHLORINE BOOSTER PUMP	-	-	3/4	MCC1	3#12,1#12 E.G	3/4"
	DRAIN DOWN PUMP	-	-	1.5	MCC1	3#12,1#12 E.G	3/4"

* CONTINUOUS RUN PUMP THAT IS NOT POWERED FROM CHEMICAL CONTROLLER. IT MUST BE INTERLOCKED WITH POOL RECIRCULATION PUMPS, PP- & PP-.

REFERENCED PLAN NOTES

Applicable to 01/E-1.2B only

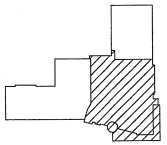
1. POWER OUTLET FOR WASHER.
2. POWER OUTLET FOR DRYER, 3P, 4W, 30A, NEMA 14-30R.
3. PANEL 'HB'. SEE RISER DIAGRAM. DO NOT INSTALL BELOW MECHANICAL/PLUMBING PIPING. EXACT LOCATION SHALL BE COORDINATE IN THE FIELD.
4. MOTOR CONTROL CENTER 'MCC1'. SEE RISER DIAGRAM. DO NOT INSTALL BELOW MECHANICAL/PLUMBING PIPING. EXACT LOCATION SHALL BE COORDINATE IN THE FIELD.
5. 2-SECTIONAL PANEL 'LB'. SEE RISER DIAGRAM. DO NOT INSTALL BELOW MECHANICAL/PLUMBING PIPING. EXACT LOCATION SHALL BE COORDINATE IN THE FIELD.
6. COORDINATE EXACT LOCATION IN THE FIELD.
7. PANEL 'LB1'. SEE RISER DIAGRAM. DO NOT INSTALL BELOW MECHANICAL/PLUMBING PIPING. EXACT LOCATION SHALL BE COORDINATE IN THE FIELD.
8. FUSED SAFETY SWITCH. SEE RISER DIAGRAM.
9. FLOOR MOUNTED COMBINATION POWER QUAD OUTLET/TELECOMMUNICATION OUTLET. RUN 3/4" EMPTY CONDUIT TO 6" ABOVE CEILING SPACE FOR TELECOM.
10. J-BOX FOR DISPOSAL.
11. POWER OUTLET FOR COFFEE TOP.
12. POWER OUTLET FOR UNDER COUNTER REFRIGERATOR.
13. POWER OUTLET FOR MICROWAVE.
14. LOCATE IN ELEVATOR PIT.
15. MECHANICAL UNIT. SEE MECHANICAL DRAWING FOR EXACT LOCATION.
16. FIRE ALARM ANNUNCIATOR PANEL.
17. POWER OUTLET FOR VENDING MACHINE.
18. POOL WATER PUMP. SEE POOL CONSULTANT'S DRAWING FOR EXACT LOCATION.
19. LIGHTING CONTACTORS FOR TWO LEVELS OF LIGHTING CONTROL FOR LEISURE POOL.
20. LIGHTING CONTACTORS FOR TWO LEVELS OF LIGHTING CONTROL OF COMPETITION POOL.
21. RUN POWER/TELECOM WIRING BELOW SLAB.
22. J-BOX FOR EMPLOYEES ACCESS CONTROL POINT.
23. J-BOX ABOVE DOOR FOR DOOR MONITORING SWITCH. COORDINATE EXACT LOCATION WITH HARDWARE SUPPLIER. PROVIDE 3/4" EMPTY CONDUIT TO SECURITY ROOM. COORDINATE WITH OWNER FOR TERMINATION LOCATION.
24. J-BOX FOR MECHANICAL CONTROLS. RUN 1" EMPTY CONDUIT TO MECH. ROOM FLOOR ABV.
25. POWER OUTLET FOR HAIR DRYER. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWING.
26. J-BOX FOR ELECTRIC DOOR STRIKE. PROVIDE 3/4" EMPTY CONDUIT TO FRONT DESK. COORDINATE WITH OWNER ABOUT TERMINATION POINT.
27. J-BOX FOR CARD READER. COORDINATE EXACT LOCATION WITH HARDWARE SUPPLIER.
28. POWER OUTLET FOR SOUND SYSTEM RACK. RUN 3/4" EMPTY CONDUIT TO ROOM 104.
29. 2-SECTION PANEL 'LF' - SEE PANEL SCHEDULE.
30. POWER OUTLET AND TV OUTLET LOCATED AT SOFIT.
31. POWER OUTLET FOR COFFEE TOP.
32. GAS FIRED EMERGENCY GENERATOR, SEE RISER DIAGRAM.
33. MOUNT POWER TV OUTLET (FOR FUTURE TV) AT BEAM. PROVIDE WIREMOLD SERIES V-500. RUN POWER AND TV WIRING IN SEPARATE WIREMOLD.
34. FLOOR MOUNTED POWER OUTLET.
35. J-BOX FOR AUTOMATIC FLUSH SENSOR. COORDINATE EXACT LOCATION WITH PLUMBING DRAWING.
36. CONNECT TO LIGHTING FIXTURE IN THIS ROOM. LIGHTING FIXTURE SHALL BE CONNECT TO LINE SIDE OF THE RECEPTACLE. SEE DRAWING E-1.1B.
37. J-BOX FOR SIGN LIGHT. COORDINATE EXACT LOCATION WITH ARCHITECTURAL DRAWING.
38. DISCONNECT SWITCH FOR SWIM SUIT DRYER. 30A, 250V, 2P F.S.S, NEMA TYPE '4X', FUSED AT 20A.
39. RUN CONCEALED WIRING UNDER THE BRIDGE AND DROP DOWN.
40. SEE RISER DIAGRAM FOR WIRE SIZE.
41. SWITCH FOR EMERGENCY POWER SHUT OFF. PROVIDE 2-3/4" EMPTY CONDUITS BETWEEN SWITCHES AND MCC1.
42. PROVIDE TWO CONTACT ON GENERATOR FOR PUMPING STATION ALARM SYSTEM AND TWO FOR SECURITY SYSTEM, IN ADDITION TO FIRE ALARM TO MONITOR 'GENERATOR FAILURE STATUS' FROM REMOTE LOCATIONS.

GENERAL NOTES

1. CONDUIT IN POOL AREAS SHALL BE GALVANIZED RIGID STEEL. CONDUIT SHALL BE SEALED AT THE ENTRANCE INTO THE POOL AREA.
2. ALL WIRING DEVICES, FIRE ALARM DEVICES COVER PLATES IN POOL AREA SHALL BE NEMA 4X, STAINLESS STEEL.
3. FOR LOCATION OF SOUND SYSTEM DEVICES, CONDUIT RUNS. SEE 'AV' DRAWINGS.
4. PROVIDE ISOLATED GROUND FOR POWER OUTLETS LABELED AS 'IG'.
5. LOCATIONS FOR OUTLETS FOR LED DISPLAY, POOL RECIRCULATION INTERLOCKS, CHLORINE BOOSTER PUMP, AND ACID PUMP ETC. SHALL BE COORDINATED IN THE FIELD.

COMMONWEALTH OF VIRGINIA
FAROOD M. AHMADZAI
No. 23837
PROFESSIONAL ENGINEER

KEY PLAN
(NO SCALE)



PROJECT NORTH

1/8" = 1'-0" 8' 4' 0' 8' 16' 24'

LOWER LEVEL FLOOR PLAN - AREA "B" - POWER - ELECTRICAL

01 / E-1.2B Scale: 1/8" = 1'-0"

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STERLING, VIRGINIA

LOWER LEVEL FLOOR PLAN - AREA 'B' - POWER - ELECTRICAL

No.	DATE	DESCRIPTION
1.	07/31/03	60% CONSTR. DOC.
2.	11/26/03	PROGRESS
3.	12/16/03	95% SUBMISSION
4.	05/19/04	PERMIT SET
5.	07/28/04	BID SET

AS-BUILT

SCALE:	1/8" = 1'-0"
DRAWN BY:	JW
CHECKED BY:	SF
WBA REF. No.	A02002

E-1.2B

Sheet Number
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Sheet Audio

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