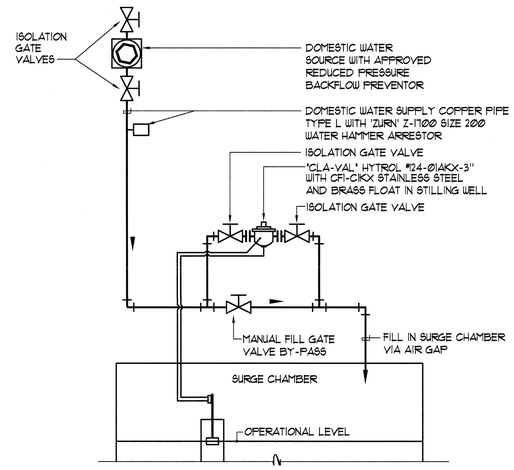
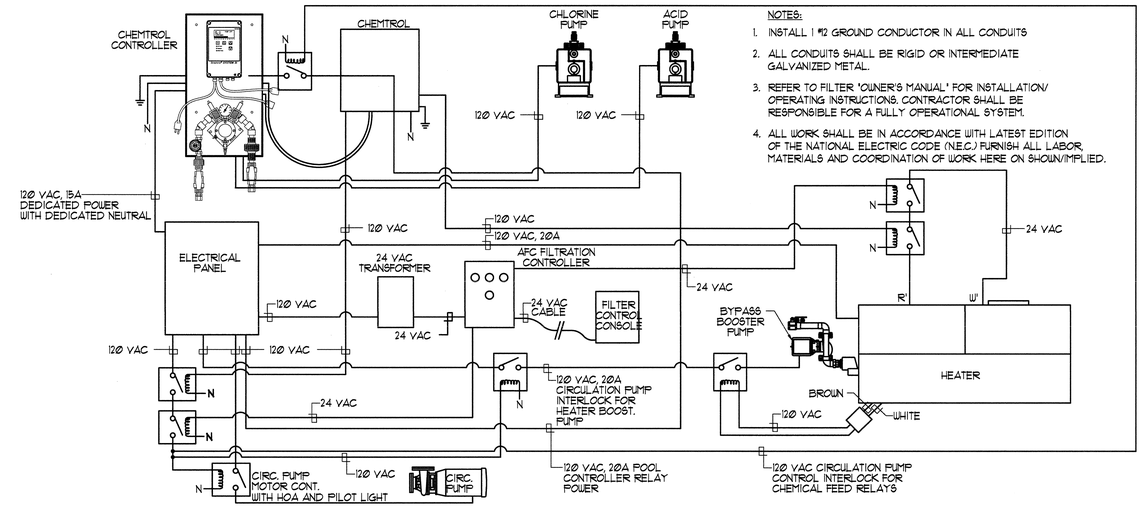
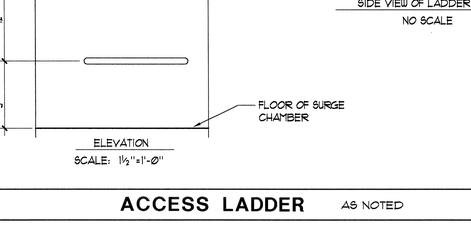


1 AUTOMATIC/MANUAL WATER MAKE-UP SCHEMATIC NO SCALE



2 POOL MECHANICAL ELECTRICAL INTERCONNECTION DIAGRAM NO SCALE



3 WATER CHEMISTRY CONTROLLER SCHEMATIC NO SCALE

DESIGNATION: 'SP' | VOLTAGE: 120/208V 3PH 4W | 100 AMP ☒MAIN BREAKER ☐MAIN LUG ☐RECESSED ☒SURFACE | LOCATION: MECHANICAL EQUIP. RM. | MINIMUM DEVICE A.I.C. RATING ☒10,000 ☐14,000 | PANELBOARD KEY NOTES ① ○ ○ ○

DESCRIPTION:	C/B	CIR NO.	φ A	φ B	φ C	CIR NO.	C/B	DESCRIPTION:
CP UNDERWATER LIGHTS	① 20/1	1	210			2	20/1	SP UNDERWATER LIGHTS ①
		3	210	210		4		TIMING SYS. RECEPTACLES
		5		720	210	6		↓
		7	210		720	8		
		9	720	210		10		TIMING SYSTEM SCOREBOARD
		11		720	210	12		↓
		13	210		720	14		
		15	720	210		16		SPARES
		17		720	210	18		SPARES
		19	210		720	20		SPACE
		21		210		22		↓
		23			210	24		
		25	210			26		
		27		210		28		
		29			210	30		
		31	210			32		
		33		140		34		
		35			140	36		
SP UNDERWATER LIGHTS		37	140			38		
		39		140		40		
		41			210	42		
TOTAL PER PHASE			3050	3490	3560			4450 ÷ 120V = 37 AMPS
+ 25% L.C.L.			762	872	890			
TOTAL			3812	4362	4450			

① GFI CIRCUIT
CP = COMPETITION POOL
SP = SWIMMING POOL

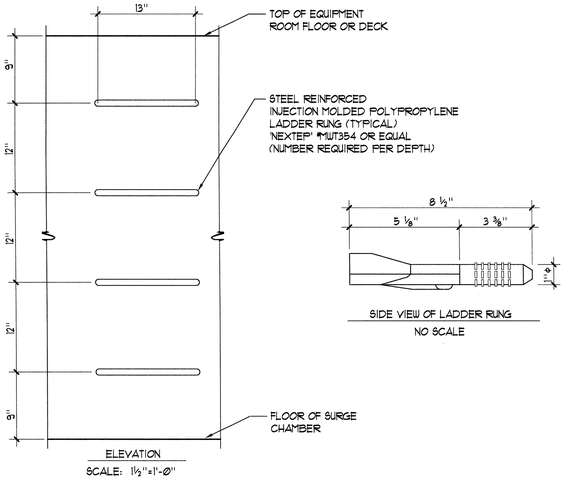
4 PANEL SCHEDULE NO SCALE

DESIGNATION: 'SP1' | VOLTAGE: 120/208V 3PH 4W | 150 AMP ☒MAIN BREAKER ☐MAIN LUG ☐RECESSED ☒SURFACE | LOCATION: MECHANICAL EQUIP. RM. | MINIMUM DEVICE A.I.C. RATING ☒10,000 ☐14,000 | PANELBOARD KEY NOTES ① ○ ○ ○

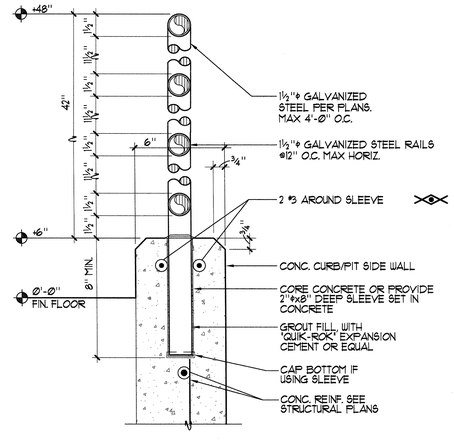
DESCRIPTION:	C/B	CIR NO.	φ A	φ B	φ C	CIR NO.	C/B	DESCRIPTION:
CP FILTER AFC	① 20/1	1	1200			2	20/1	SP FILTER AFC ①
		3	1200			4		SP PRESSURE PUMP
CP PRESSURE AMP		5		1200		6		SP WATER CHEM. CONTROL
CP WATER CHEM. CONTROL		7		1200		8		SP WATER CHEM. RELAY
CP WATER CHEM. RELAY		9	360		1200	10		SP CIRC PUMP INTERCONN.
CIRC. PUMP INTERCONN.		11	360			12		SP CIRC. PUMP MTR. CONTR.
CP CIRC. MTR. CONTR.		13		360		14		SP HEATER IGNIT./FAN
CP HEATER IGNIT./FAN		15	1440		360	16	30/3	SP HEATER RE-CIRC PUMP
CP HEATER IGNIT./FAN		17	1440			18	2	3/4 HP
CP HEATER RE-CIRC.		19	912		912	20		CHEMICAL FEEDS
3/4 HP		21	912			22		↓
SPACE		23		912		24		
↓		25		912		26		SPARES
		27			912	28		↓
		29			912	30		
		31				32		SPACE
		33				34		↓
		35				36		
		37				38		
		39				40		
		41				42		
TOTAL PER PHASE			7872	7344	6816			8472 ÷ 120V = 71 AMPS
+ 25% L.C.L.			600	600	600			
TOTAL			8472	7944	7416			

① GFI CIRCUIT
CP = COMPETITION POOL
SP = SWIMMING POOL

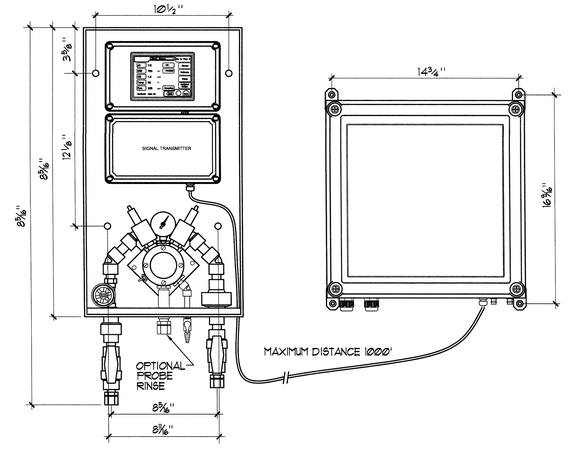
5 PANEL SCHEDULE NO SCALE



6 ACCESS LADDER AS NOTED



7 PIT GUARD RAIL 3"=1'-0"



8 CHEMTROL DIMENSIONAL ENCLOSURE NO SCALE

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LICENSED ARCHITECT JOHN J. FERRARO C-16222 REN 08/31/09 STATE OF CALIFORNIA

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DIV. OF THE STATE ARCHITECT
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DATE APR 09 2009
FILE NUMBER: 41-C1

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College of San Mateo
Site Package
San Mateo, CA

Developed for
San Mateo County Community College District

Revision Description	Date
DSA SUBMITTAL	19 SEPT 2008
DSA FINAL	09 APRIL 2009

Job. No.	27082.30
Date	09 APRIL 2009
Drawn by	NFC
Checked by	SJF
Scale	AS NOTED

DETAILS

MR-4