

AQUATEK

USA

P.O. BOX 66284
ST. PETERSBURG, FL. 33706
727 329 8845

TOLERANCES

DECAHEDS
X ±0.5
XX ±0.10
XXX ±0.05
XXXX ±0.005

FRACTIONS
±1/32

ANGLES
±1/2°

215 GAL TANK MECHANICAL LAYOUT

2007

1 of 1
REV. 1.0
REV. 1.0

DATE 01-13-10

REV. NONE

P/1 X

DESIGNER NONE

REV.

REVISION

DRN BY

DATE

APPROV

DATE

DESIGNER DM

REV.

REVISION

DRN BY

DATE

APPROV

DATE

APP. FOR

REV.

REVISION

DRN BY

DATE

APPROV

DATE

ELEVATION A

4" SUCTION LINE

2" OVERFLOW W/ CHECK VALVE

HYDRAULIC WATER LEVEL CONTROL

6" MAIN DRAIN FLOW VALVE

HYDRAULIC SOLENOID VALVE W/ MANUAL FILL

6" PREMETER OVERFLOW FLOW VALVE

ELEVATION B

44" OVER ALL

18"

6"

18"

10"

36"

40.13"

36"

AQUATEK

73"

42"

41"

6"

10"

6" PREMETER OVERFLOW

6" MAIN DRAIN

ELEVATION A

VACUUM BREAK

HYDRAULIC SOLENOID VALVE W/ MANUAL FILL

SHUTOFF VALVE

HINGED LID

1" SUPPLY

2" OVERFLOW W/ CHECK VALVE

2" HYDRAULIC WATER LEVEL CONTROL

4" SUCTION LINE

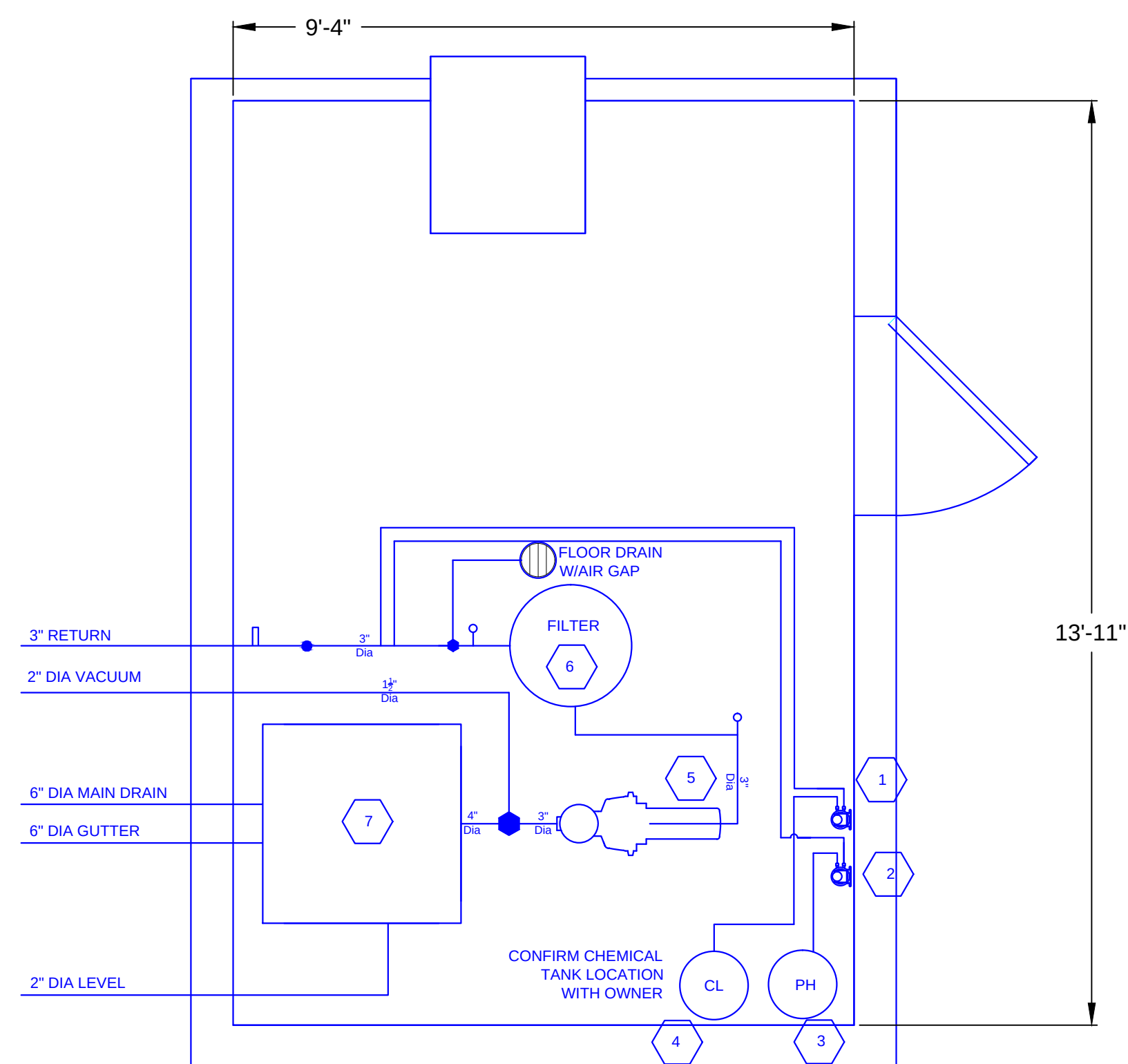
41"

15"

20"

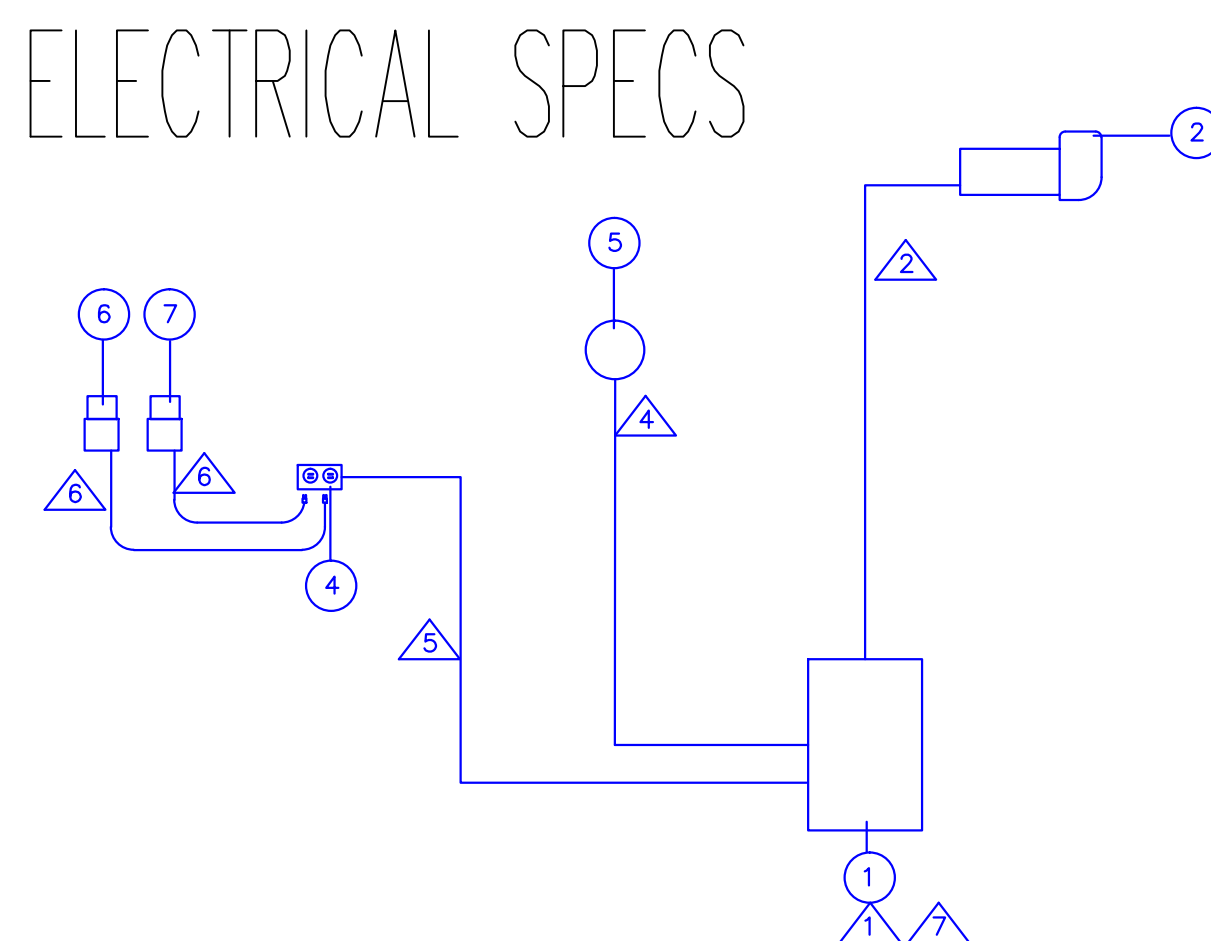
48"

ELEVATION B



EQUIPMENT LAYOUT PLAN

SCALE: $\frac{1}{2}"=1'$



ELECTRICAL SPECS

#	manufacturer	part#	description
1	SIEMENS	W01224ML1125CU	Main lug breaker panel, 12 circuit, 125A capacity, 1 phase 120,208-230v
2	PENTAIR	XFE-20	5 hp Pool Recirc. pump, 1 ph 230 v
4	LEVITON	5320	chemical feeder receptacle, 115v
5	STRONCO	VPG100	100 Watt Service light, 115v
6	STENNER	45M2	Liquid Chlorine feeder, 115v
7	STENNER	45M5	Liquid Chlorine feeder, 115v

FEEDER AND CIRCUIT SCHEDULE					
	CONDUCTORS				REMARKS
	PHASE	NEUTRAL	GROUND	CONDUIT	
1					PANEL FEED
2	1-#12		1-#12	1/2"	UL SEALTITE
3	2-#10		1-#10	1/2"	UL SEALTITE
4	1-#12	1-#12		1/2"	SEALTITE TO LIGHT
5	1-#14	1-#14	1-#14	1/2"	SEALTITE TO RECEPT.
6	1-#12	1-#12	1-#12		CORD AND PLUG
7	INDICATES WIRE AND CONDUIT INSTALLED BY OTHERS				

LEGEND

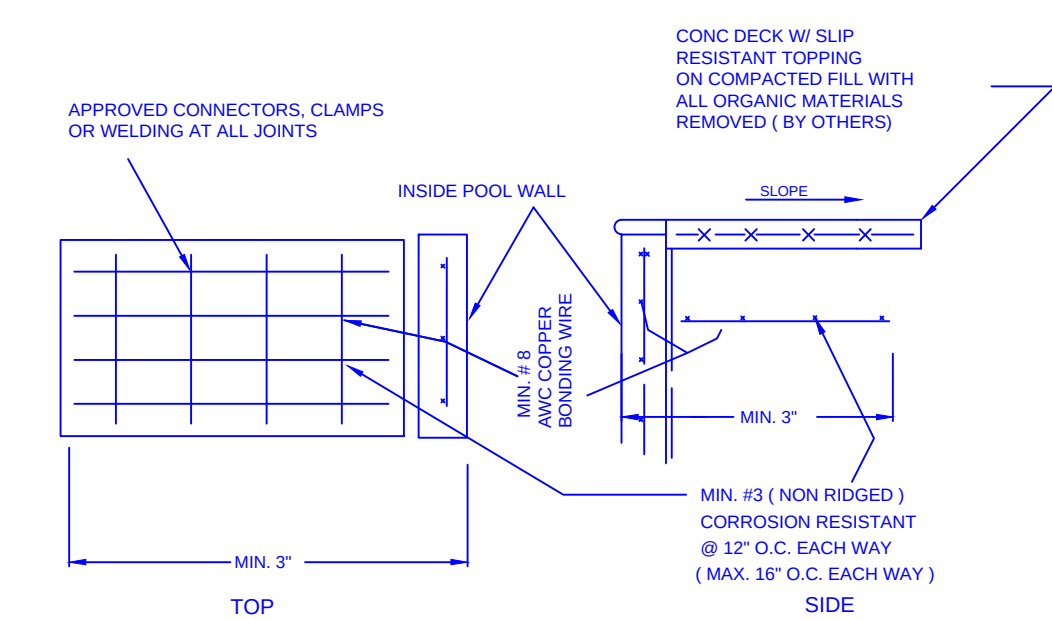
- BALL VALVE
- JANDY VALVE
- ♀ PRESSURE GAUGE
- T THERMOMETER
- || FLOW METER (LOCATE PER MANUFACTURE)
- ⊕ CHECK VALVE

NOTES

1. ROOM: CROSS OR FORCED VENTILATION,
7" MINIMUM CEILING, CONCRETE FLOOR
PITCHED TO FLOOR DRAIN, 3' X 6' - 8" MIN.
LOCK DOOR, 30 FOOT CANDLES
OF LIGHT ON THE FLOOR.
2. CHEMICAL TANKS: ROLA-CHEM,
T-30, 30 GAL POLY TANK., W/POLY COVER
T-30, 30 GAL-POLY TANK, W/POLY COVER.
LABEL SIDES AND LIDS
3. PROVIDE HOLE IN FLOOR TO SET
COLLECTOR TANK AND PLUMBING. TO BE COORDINATED
WITH GC.
4. PLUMBING TO BE COORDINATED WITH GC AND UTILITY LAYOUT.
5. FEEDERS TO BE WIRED WITH FAILURE PROOF INTERLOCK WITH THE RECIRCULATION PUMP.

EQUIPMENT LIST

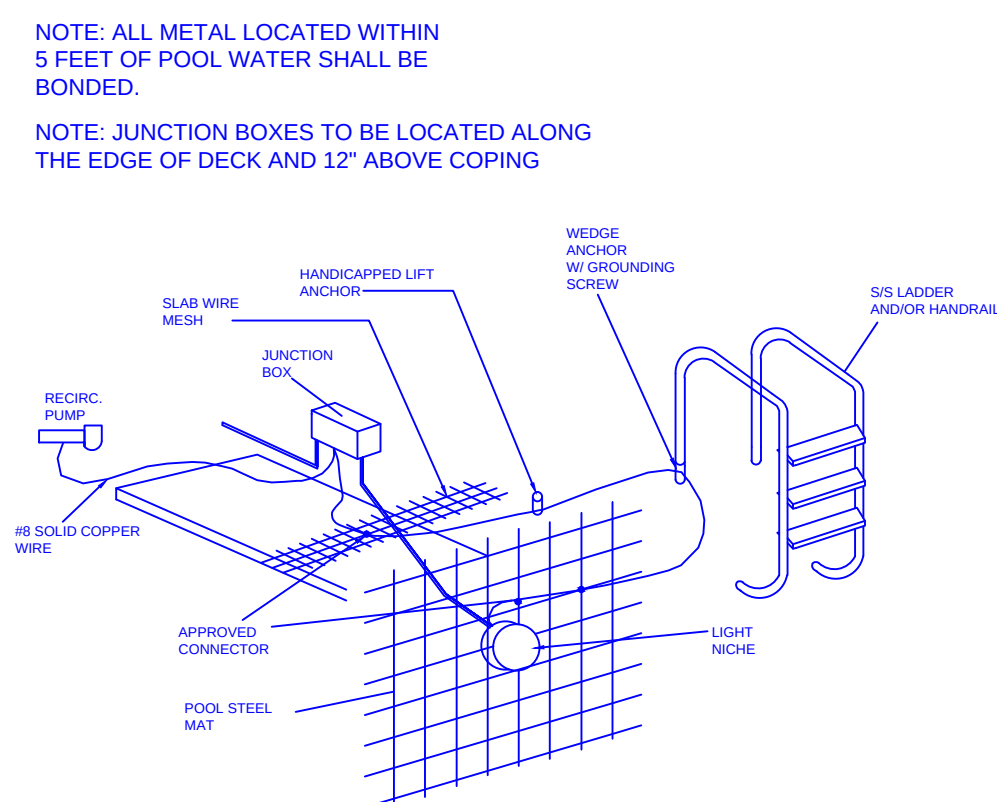
1. STENNER 45M5 (CL CHEM FEEDER)
2. STENNER 45M2 (pH CHEM FEEDER)
3. ROLA-CHEM 30 GALLON CHEMICAL TANK (ACID)
4. ROLA-CHEM 30 GALLON CHEMICAL TANK (CL)
5. POOL RECIRCULATION PUMP - PENTAIR XFE-20 - 5 HP, 195 GPM AT 60'
6. POOL FILTER - PENTAIR CC540 - 540 SF, 202.5 GPM TOTAL
7. AQUA WORK (AQUA TEK) - 215 GALLON CUSTOM COLLECTOR TANK



BONDING DETAIL

N.T.S.

DECK BONDING GRID MUST COMPLY WITH N.E.C. CODE (ARTICLE 680.26 (C))



BONDING DETAIL 1

NOTY
SCALE

For: Alliance Realty Partners, LLC
Pinellas Pools

Broadstone Hyde Park Pool Equipment Details

*GB Collins Engineering PA
Certificate of Authorization 27934*

Samuel A. Liberatore PC 55740

1268 Rogers Street
Phone: (727) 442-8443

Fax.: (727) 442-6988

gb_collins@verizon.net