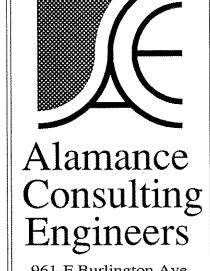
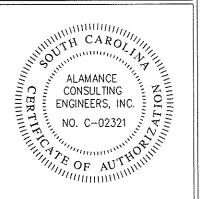


POOL SUMMARY

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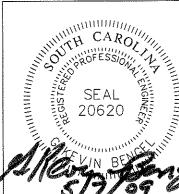
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NEW SWIMMING POOL FOR:
THE COMMONS A'
FORT MILL

POOL PLAN



DRAWN
MJW
CHECKED
DATE
5/7/09
SCALE

**SP-1** 

AS NOTED

308 NO.

9026

### NOTES

- 1. POOL SHELL IS 6" THICK STEEL REINFORCED CONCRETE PNEUMATICALLY APPLIED WITH #3 REBARS EACH WAY
- 2. POOL TILE IS ONE ROW OF 6" FROST PROOF CERAMIC TILE AT WATER LEVEL
- 3. PLASTER IS 3/8" TO 1/2" THICK WHITE MARBELITE SMOOTH
- 4. ALL PIPE WORK SHALL BE SCHEDULE 40 PVC, PRESSURE TESTED BEFORE PLACING CONCRETE
- 5. ALL PIPING TO BE ADEQUATELY SUPPORTED, GRAVITY LINES SLOPED 1/4" PER FT AND ALL EXPOSED PIPES LABELED WITH FLOW DIRECTION.
- 6. DECK TO BE BY GENERAL CONTRACTOR OR POOL CONTRACTOR. VERIFY WHICH ALTERNATE IS TO BE USED WITH OWNER PRIOR TO PRICING.
- 7. DECK AREA IS SLOPED AWAY FROM POOL AT 1/4" 5/8" PER FOOT WITH SLIP RESISTANT FINISH
- 8. FLOOR DRAIN, BACKWASH SUMP, APPROVED MUNICIPAL WATER AND SANITARY SEWER SUPPLY, CONCRETE DECK, AND ELECTRICAL SHALL BE PROVIDED BY THE GENERAL CONTRACTOR UNLESS OTHERWISE NOTED.
- 9. CHEMICAL STORAGE ROOM MUST BE PROVIDED TO MEET STATE REGULATIONS IN DETAILED SPECIFICATIONS.
- 10. WATER SUPPLY TO THE POOL SHALL BE THROUGH AN APPROVED BACKFLOW PREVENTER AND A HOSE BIB WITHIN 100' OF THE POOL SHALL BE PROVIDED BY PLUMBING CONTRACTOR.
- 11. DECK LIGHTING SHALL BE PROVIDED IN THE AMOUNT OF 10 LUMENS PER SQUARE FOOT OF DECK AREA BY ELECTRICAL CONTRACTOR. SEE ELECTRICAL DRAWINGS FOR LIGHTING PLAN AND MINIMUM LIGHTING REQUIREMENTS.
- 12. ALL SIGNAGE TO MEET S.C., G.S. WILL BE PROVIDED.
- 13. SAFETY EQUIPMENT WILL BE STORED ON WALL HOOKS IN POOL AREA.
- 14. AN EMERGENCY PHONE ON A DEDICATED LINE CAPABLE OF DIALING 911 OR OTHER EMERGENCY NOTIFICATION SHALL BE PROVIDED AND ACCESSIBLE TO ALL USERS.
  THE TELEPHONE SHALL BE WITHIN 200 FEET OF A BATHER ENTRANCE.
- 15. ALL VALVES SHALL BE PERMANENTLY TAGGED SHOWING N.O. OR N.C. OPERATION. TWO COPIES OF VALVE OPERATION SCHEDULE WITH ONE MOUNTED IN POOL EQUIPMENT ROOM IN WATER PROOF COVERING SHALL BE PROVIDED.
- 16. 3FT PERIMETER EQUIPOTENTIAL GRID BONDING SHALL BE IN ACCORDANCE WITH SECTION 680 OF THE 2008 EDITION OF THE NATIONAL ELECTRICAL CODE (OR CORRESPONDING SECTION OF THE MOST CURRENT VERSION) AND INSTALLED BY ELECTRICAL CONTRACTOR OR POOL CONTRACTOR WITH SWIMMING POOL BONDING LICENSE.
- 17. GROUND LEVEL DOOR AND WINDOW OPENINGS INTO THE POOL AREA WILL BE SELF CLOSING OR CHILD PROTECTED
- 18. BARRIER BY GC TO COMPLY WITH R.61-51C8- "PUBLIC SWIMMING POOLS SHALL BE ENCLOSED BY A MINIMUM FOUR (4) FOOT FENCE OR EQUIVALENT, IMPENETRABLE LANDSCAPE OR STRUCTURAL BARRIER E.G., A HEDGE A MINIMUM OF 2 FEET THICK OF DENSELY PLANTED GROWTH). ALL OPENINGS IN THE BARRIER EQUIPPED WITH GATES OR DOORS THAT CLOSE AUTOMATICALLY AND CAN BE LOCKED. COURTYARD FENCING MAY NOT BE ADEQUATE TO CONSTITUTE FENCING" OF THE POOL AREA. ALL ACCESS GATES SHALL OPEN AWAY FROM THE POOL EXCEPT WHEN NATURAL TOPOGRAPHY OR OTHER CONDITIONS DICTATE THAT IT OPEN INWARD. COORDINATE LOCATION OF GATE WITH EXISTING SITE CONDITIONS.
- 19. BUILDER MUST GIVE OWNER AND OPERATORS (2) COPIES OF WRITTEN AND ORAL OPERATIONAL AND MAINTENANCE INSTRUCTIONS.
- 20. BUILDER MUST PROVIDE OPERATION OF FACILITY FOR (3) DAYS AFTER COMPLETION.
- 21. OWNER MUST PROVIDE A CERTIFIED CPO TO OPERATE THE POOL.
- 22. ALL PIPING AND EQUIPMENT MUST BE PROVIDED AS MUCH AS POSSIBLE WITH POSITIVE MEANS OF

## EQUIPMENT ROOM

- 23. ALL PUMPS, CHEMICAL FEEDING EQUIPMENT, AND OTHER MECHANICAL EQUIPMENT SHALL BE ENCLOSED IN A WEATHERPROOF STRUCTURE WITH A MINIMUM CEILING HEIGHT OF 8'-0". SEE SHEET A4.1 FOR CEILING HEIGHTS. THE EQUIPMENT ROOM SHALL BE PROVIDED WITH A DOOR WITH A PERMANENT LOCK WHICH MUST BE KEPT LOCKED WHEN NOT IN USE BY THE POOL OPERATOR.
- 24. LIGHTING TO ALLOW THE OPERATOR TO READ ALL GAUGES AND CONTROL DEVICES. LIGHTING IS 1 WATT PER SQ. FT. OR 100 WATT MINIMUM. SEE SHEET E-1 OF CLUBHOUSE DWGS. FOR LIGHTING PLAN AND SCHEDULE.
- 25. VALVES AND CONTROL DEVICES SHALL BE READILY AVAILABLE AND CLEARLY VISIBLE. AT LEAST 3 FEET OF CLEAR WALKWAY SHALL BE PROVIDED TO ALLOW ACCESS TO EQUIPMENT.
- 26. EQUIPMENT ROOM FLOOR SHALL BE SMOOTH WITH A SLOPE OF 1/4" PER FOOT TO A FLOOR DRAIN. SEE ARCHITECTURAL DRAWINGS.
- 27. A 3/4" HOSE BIB WITH APPROVED BACKFLOW PREVENTION DEVICE SHALL BE PROVIDED IN THE EQUIPMENT ROOM
- 28. FORCED CONTINUOUS VENTILATION WHICH DIRECTS AIR AWAY FROM THE POOL IS REQUIRED.
  SEE ROOM VENTILATION SCHEDULE ON THIS SHEET AND SHEET M-1 FOR EXHAUST FAN SCHEDULE.

# CHEMICAL STORAGE ROOM

- 29. THE CHEMICAL STORAGE AREA SHALL BE IN A DRY WEATHERPROOF STRUCTURE WITH A MINIMUM CEILING HEIGHT OF 8'-0" FEET.
- 30. CHEMICAL STORAGE AREA SHELVING SHALL BE AT LEAST 6" ABOVE THE FLOOR
- 31. FORCED CONTINUOUS VENTILATION WHICH DIRECTS AIR AWAY FROM THE POOL IS REQUIRED. SEE ROOM VENTILATION SCHEDULE ON THIS SHEET AND SHEET M-1 FOR EXHAUST FAN SCHEDULE.
- 32. LIGHTING IS 1 WATT PER SQ. FT. OR 100 WATT MINIMUM IN CHEMICAL STORAGE ROOM. SEE SHEET E-1 OF CLUBHOUSE DWGS.
- 33. A LIST OF MAXIMUM AMOUNT OF EACH CHEMICAL STORED IN CHEMICAL STORAGE ROOM SHALL BE POSTED ON DOOR OF CHEMICAL STORAGE ROOM IN WATERPROOF COVERING. THE MAXIMUM AMOUNT OF CHEMICALS STORED SHALL BE THE FOLLOWING:
  50 lbs. OF SODIUM BICARBONATE
  100 lbs. OF CALCIUM CHLORIDE

# INSPECTION NOTES

- 1. POOL CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING (LETTER, FAX OR EMAIL) OF THE FOLLOWING:
  A. START OF CONSTRUCTION.
- B. COMPLETION OF ALL UNDERGROUND PIPING INSTALLATION AND PRESSURE TESTING.
- C. COMPLETION OF ALL UNDERGROUND ELECTRICAL BONDING.
  D. COMPLETION OF POOL CONSTRUCTION
- 2. ENGINEER SHALL BE NOTIFIED AT LEAST ONE WEEK PRIOR AND APPLICABLE ITEMS SHALL REMAIN UNCOVERED UNTIL INSPECTED.
- 3. ENGINEER IS REQUIRED BY CODE TO CONDUCT ABOVE INSPECTIONS IN ORDER TO CERTIFY POOL. FAILURE TO PROVIDE TIMELY NOTIFICATION MAY COMPROMISE ABILITY TO OBTAIN POOL OPERATION PERMIT.

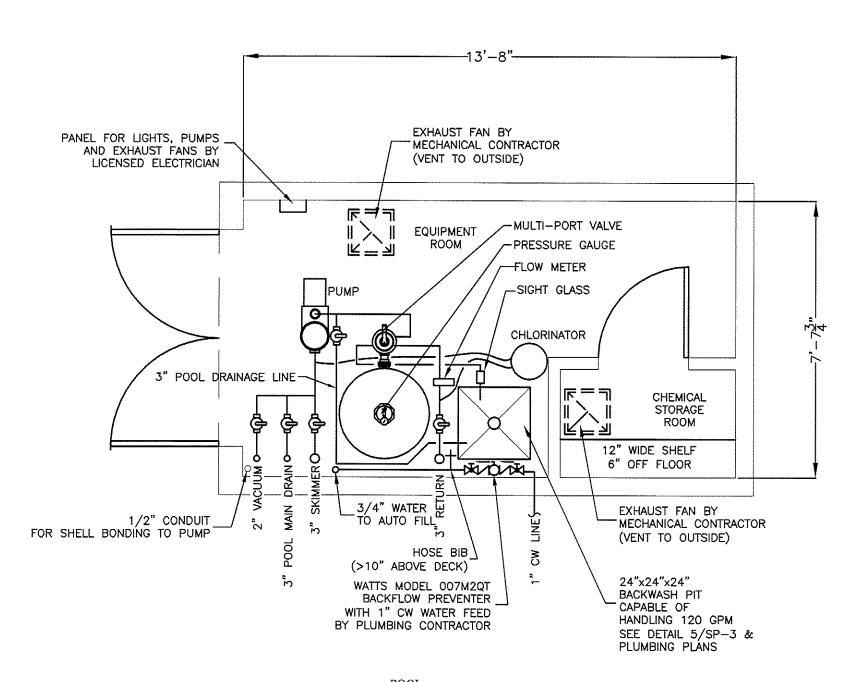
			POOL EQ	UIPMENT I	LIST	
NO.	QTY.	ПЕМ	MANUFACTURER	MODEL #	DESCRIPTION	
1	1	PUMP	PENTAIR	WFE-8	2 HP WHISPER FLO PUMP W/ EXTRA BASKET	
2	4	STAINER BASKET	PENTAIR	070387	EXTRA STAINER BASKET	
3	1	FILTER	PENTAIR	TR-100C	30 DIA. NSF APPROVED WITH AIR RELIEF	
4	1	VALVE	PENTAIR	261055	MULTIPORT VALVE KIT	
5	1	FLOWMETER	BLUE-WHITE	F-30300	3" FLOWMETER	
6	1	CHLORINATOR	HAYWARD	C-500 CF	NSF APPROVED	
7	3	SKIMMERS	STA-RITE	08650-1404	NSF APPROVED W/ FLOAT & CHECK VALVE	
8	6	return inlets	STA-RITE	08417-0000	FLOOR RETURNS	
9	1	AUTO-FILL	PENTAIR	T40BW	AUTOFILL W/ BRASS FLOAT VALVE	
10	2	MAIN DRAINS	PENTAIR	543035	12" SQUARE DRAINS W/ ONE 4" SIDE PORT	
11	2	MAIN DRAIN COVER	HAYWARD	**WG1032	12" SQUARE ANTI-ENTRAPMENT SUCTION OUTLET COVER & FRAME	
12	1	RELIEF VALVE	HAYWARD	SP-1056	1 1/2" HYDROSTATIC RELIEF VALVE	
13	1	COLLECTOR TUBE	HAYWARD	SP-1055	1-1/2" x 12" COLLECTOR TUBE	
14	1	VACUUM FITTING	HAYWARD	W-400	VAC LOC (MEETS IAPMOSPS4)	
15	3	EQUALIZER FITTINGS	HAYWARD	SP-1026	-	
16	1	OVERFLOW	HAYWARD	SP-1019	2" OVERFLOW	
17	3	LIGHTS	AMERICAN	78428100	300W 120V UNDERWATER LIGHT (50 FT CORD)	
18	3	LIGHT NICHES	AMERICAN	78210500	S.S. LIGHT NICHE W/ 1" TOP HUB	
19	3	JUNCTION BOXES	PENTAIR	78310500	BRASS BASE W/POLYCARBONATE COVER	
20	2	HANDRAIL	S.R. SMITH	3HR-5-049	5 FT 3-BEND HANDRAIL	
21	-	DECK DRAIN	STEGMEIER	FRONTIER	LENGTH & COLOR DETERMINED BY OWNER	
22	1	SIGHT GLASS	PENTAIR	50901600	_	

\*\* SUCTION OUTLET MEETS OR EXCEEDS CURRENT ASME/ANSI A112.19.8-2007. RATED FOR 151 GPM.

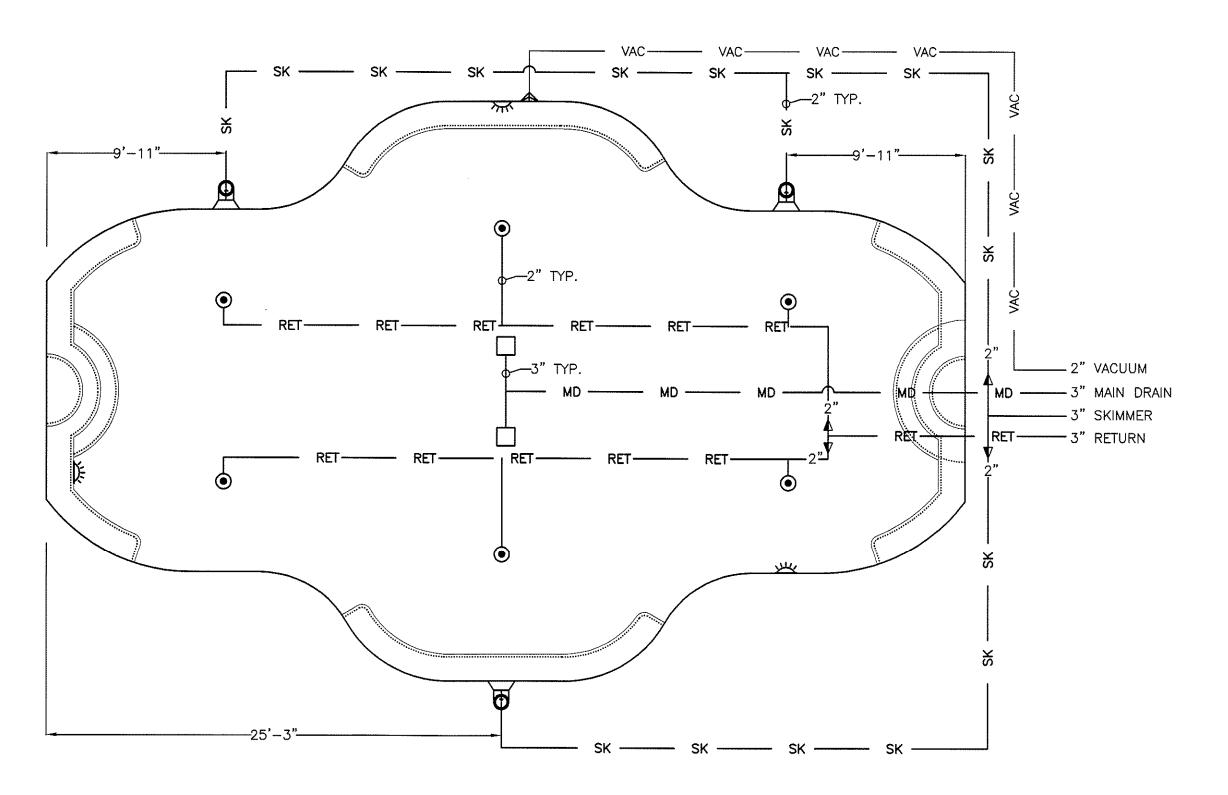
CLEANING AND SAFETY EQUIPMENT									
NO.	QTY.	ITEM	MANUFACTURER	MODEL #	DESCRIPTION				
1	1	VACUUM HEAD	PENTAIR	R201126	19 IN. SWIVEL WHEEL				
2	1	WALL BRUSH	PENTAIR	R111316	18 IN. WHITE POLYPROPYLENE				
3	1	LIFE HOOK	PENTAIR	R221026	ALUMINUM HOOK WITH HARDWARE SET				
4	1	UTILITY POLE	PENTAIR	R500070	8'-16' ADJUSTABLE POLE				
5	1	UTILITY POLE	PENTAIR	R191106	12' STRAIGHT POLE				
6	1	VACUUM HOSE	LAWRENCE	PL50	1-1/2" x 50 FEET				
7	1	LIFE RING	BERKELEY	RC-24W	20" USCG APPROVED				
8	1	HEAVING LINE	BERKELEY	PB504	1/4" x 50 FEET				
9	1	TEST KIT	TAYLOR	R151716	PRO 11 TEST KIT				
10	2	SIGN	PENTAIR	R234000	S.C. POOL RULES SIGN				
11	2	SIGN	PENTAIR	R233800	SHALLOW WATER / NO DIVING ALLOWED				
12	2	SIGN	PENTAIR	R230500	NO LIFEGUARD ON DUTY SIGN				

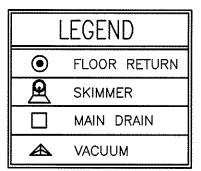
ROOM VENTILATION SCHEDULE									
ROOM	AREA (SQ. FT.)	HEIGHT (FT.)	VOLUME (CU. FT.)	REQ. AIR CHANGES/HR.	MINIMUM EXHAUST REQUIRED (CFM)*				
POOL EQUIPMENT	87	8	696	10	116				
CHEMICAL STORAGE	15	8	. 120	10	20				

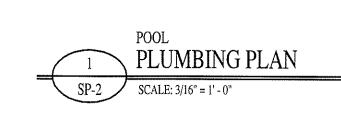
\* COORDINATE WITH MECHANICAL ENGINEER AND/OR MECHANICAL CONTRACTOR TO ENSURE PROPER SIZE OF FAN IS ACCEPTABLE.

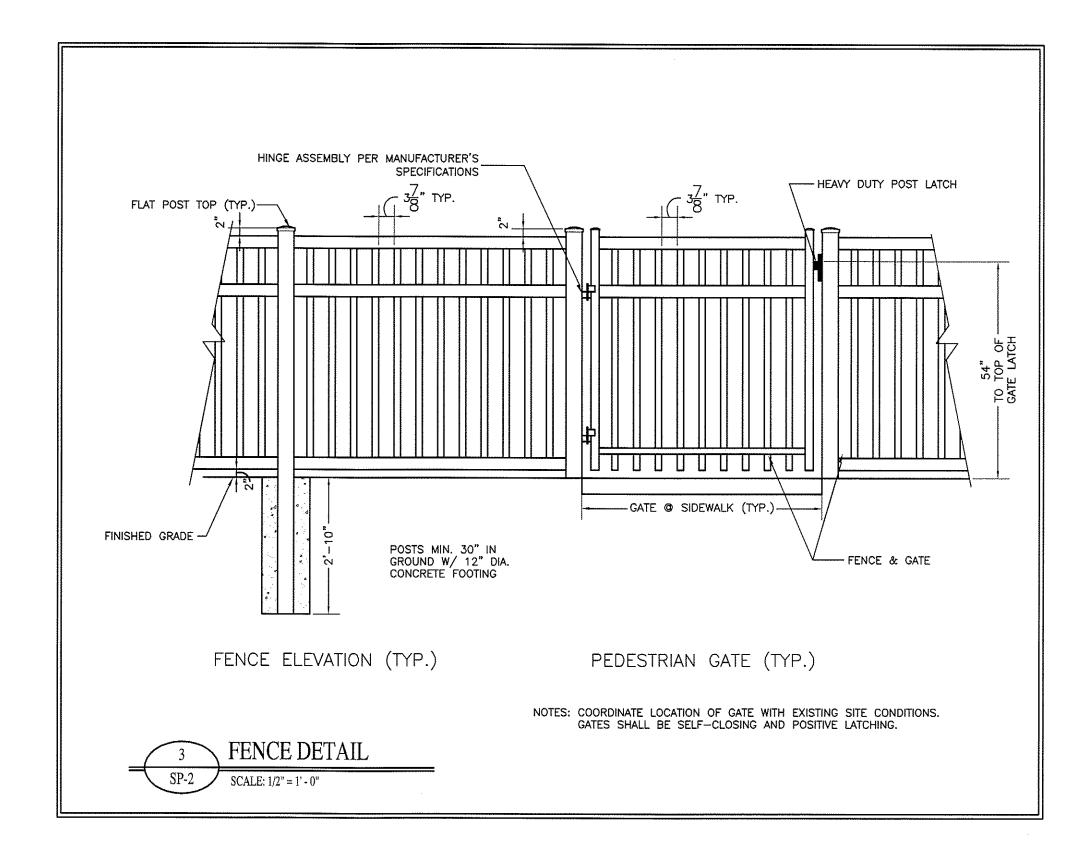


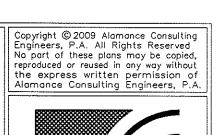


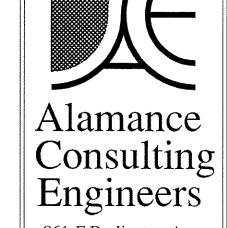




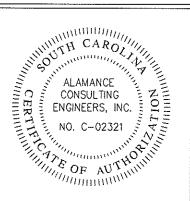








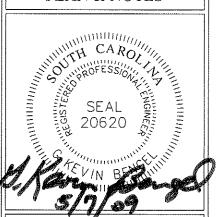
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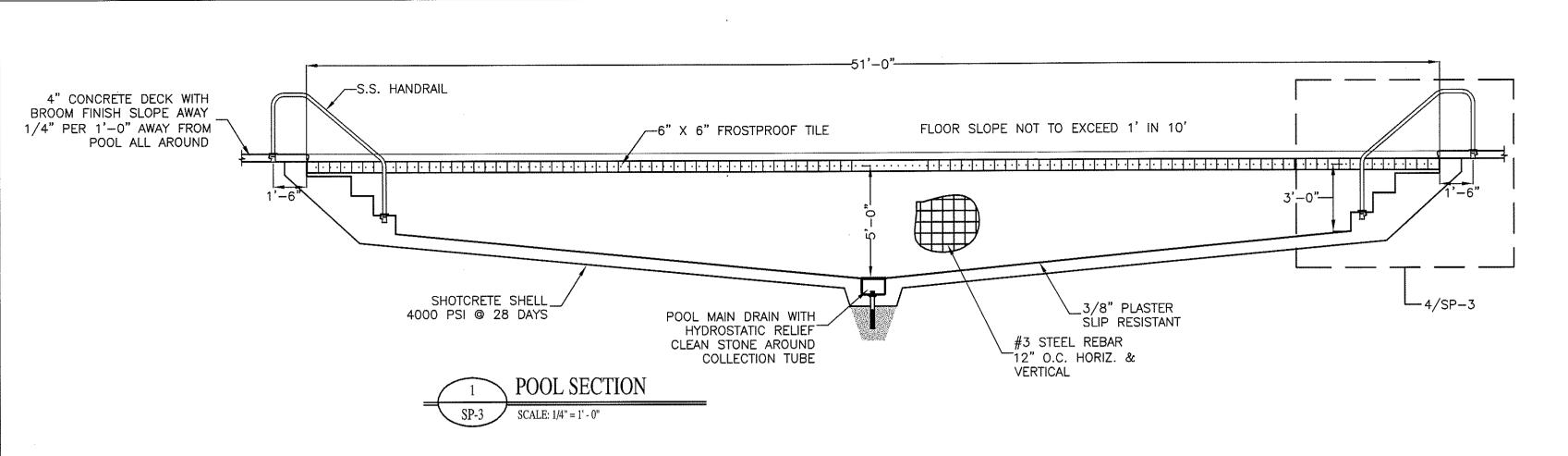
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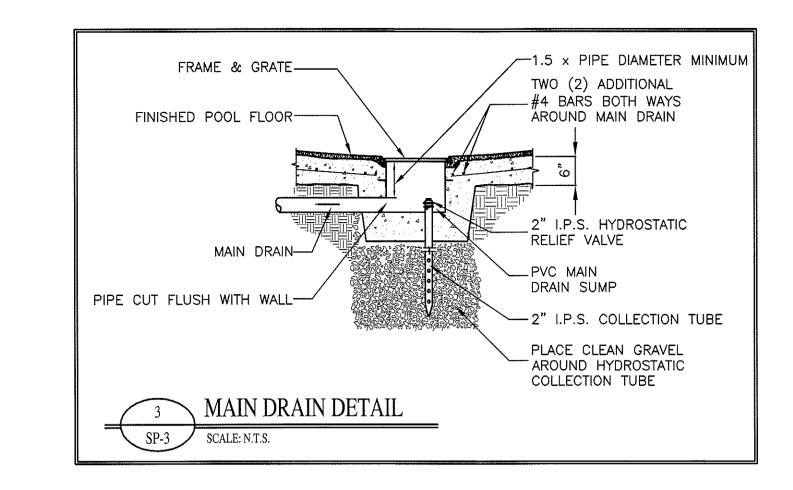
POOL PLUMBING
PLAN & NOTES

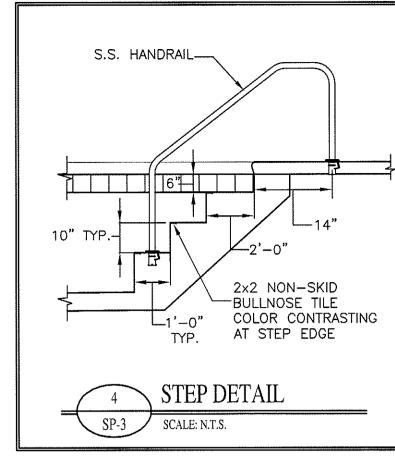


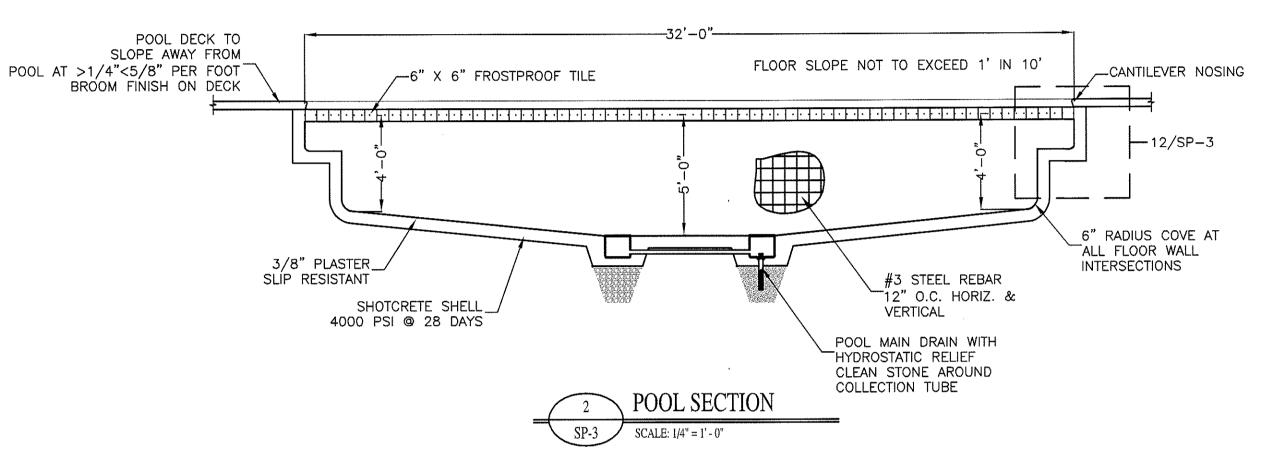
DATE
5/7/09
SCALE
AS NOTED
JOB NO.
9026

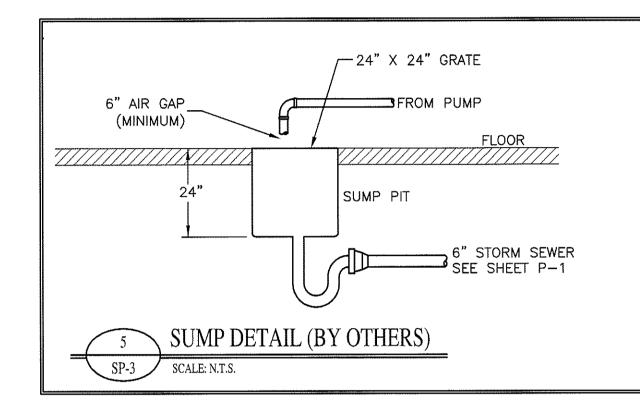
SP-2

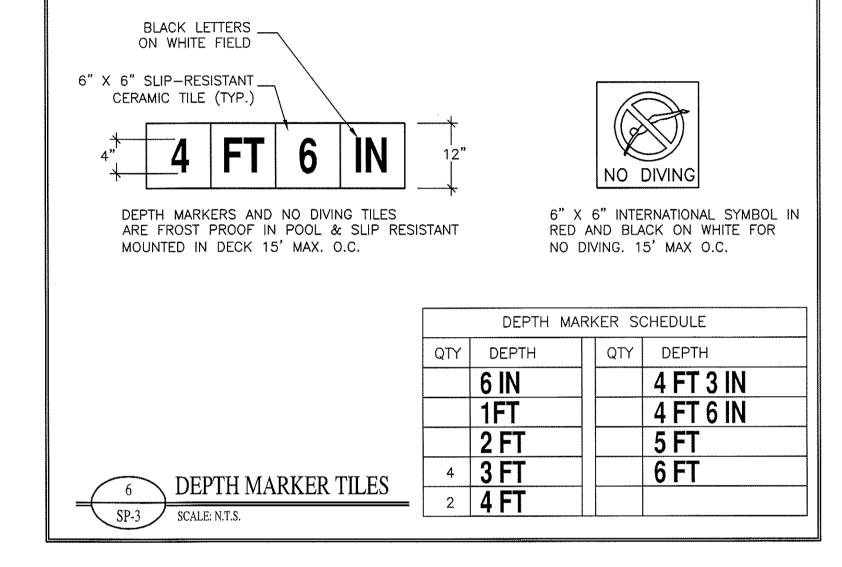


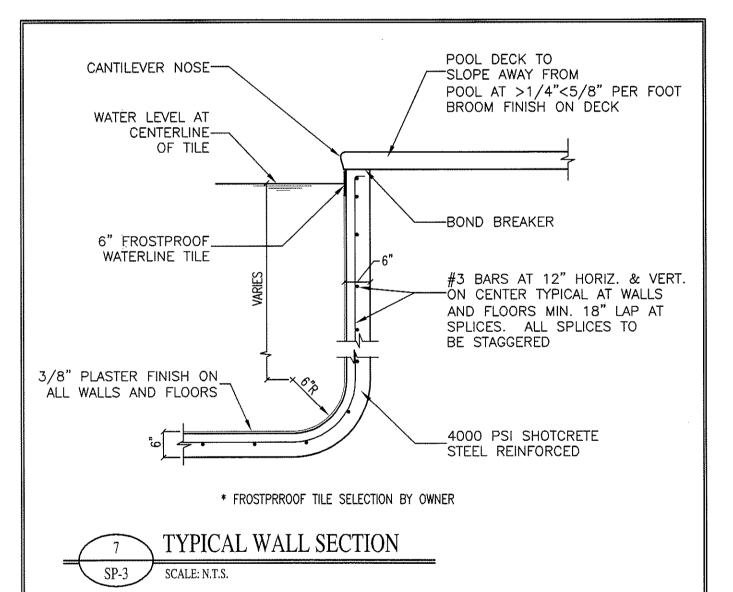


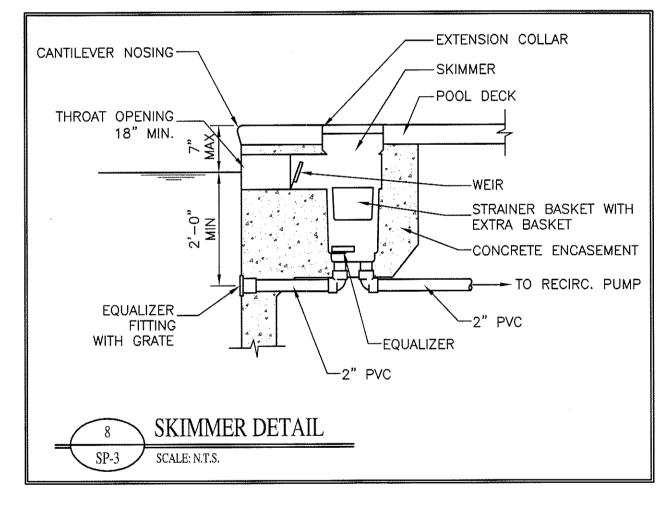


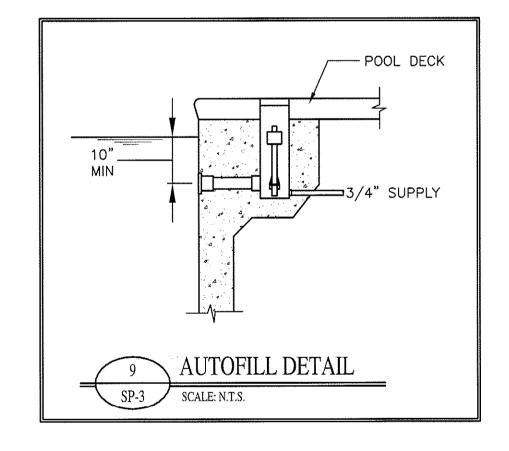












## POOL RULES SIGN

. THERE SHOULD BE NO SOLO SWIMMING.

2. THERE SHOULD BE NO RUNNING, BOISTEROUS OR ROUGH PLAY.

3. NO PERSON UNDER THE INFLUENCE OF ALCOHOL OR DRUGS

SHOULD USE POOL.

4. THERE SHOULD BE NO SPITTING OR BLOWING NOSE IN POOL.

5. PERSONS WITH DIARRHEAL ILLNESS OR NAUSEA SHOULD NOT ENTER POOL. 6. PERSONS WITH SKIN, EYE, EAR OR RESPIRATORY INFECTIONS SHOULD

NOT ENTER POOL.

7. PERSONS WITH OPEN LESIONS OR WOUNDS SHOULD NOT ENTER POOL.

8. NO ANIMALS OR PETS ALLOWED IN POOL

9. NO GLASS ALLOWED IN THE POOL OR ON THE DECK. 10. NO CHILDREN SHOULD BE IN THE POOL WITHOUT SUPERVISION.

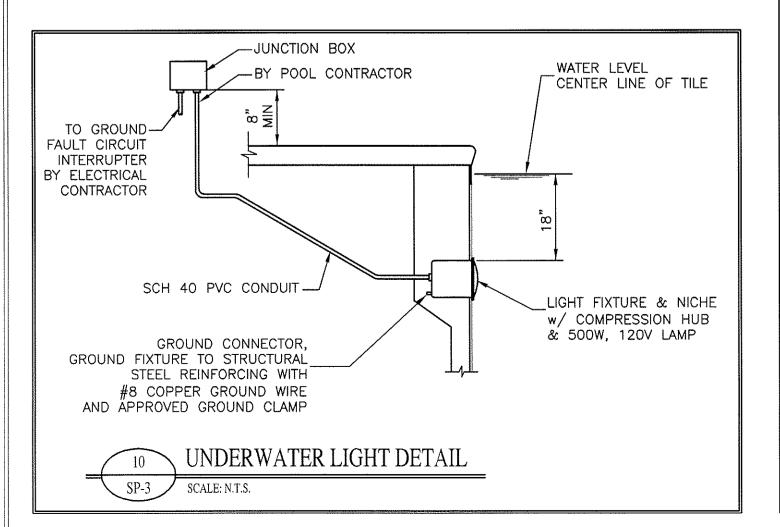
11. YOU SHOULD TAKE A SHOWER BEFORE ENTERING THE POOL.

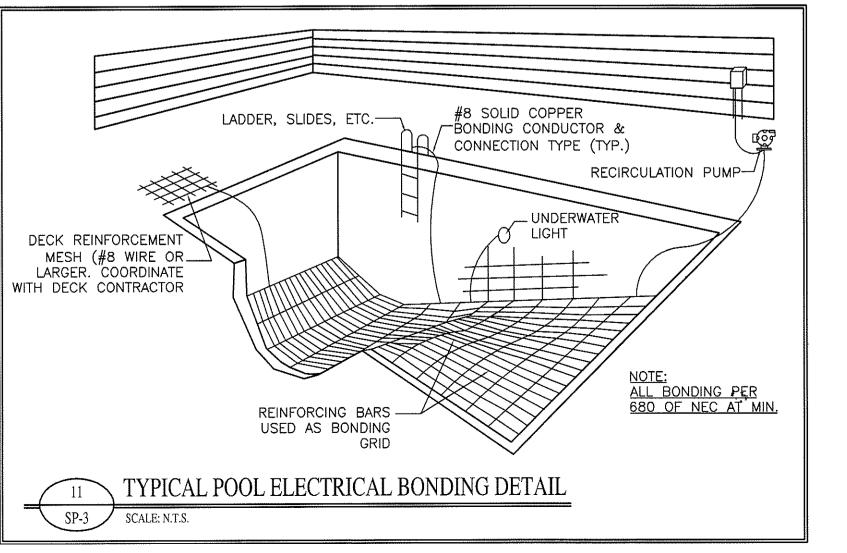
12. THIS POOL IS OPEN FROM TBD a.m. TO TBD p.m. 13. THE MAXIMUM NUMBER OF SWIMMERS ALLOWED IN POOL IS 150.

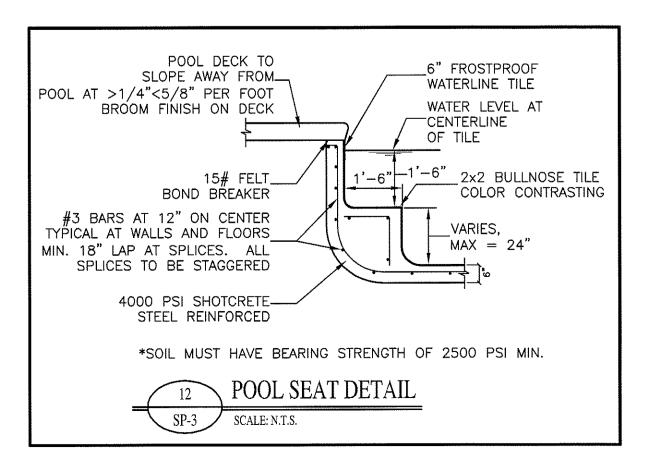
14. A FIRST AID KIT IS LOCATED TBD

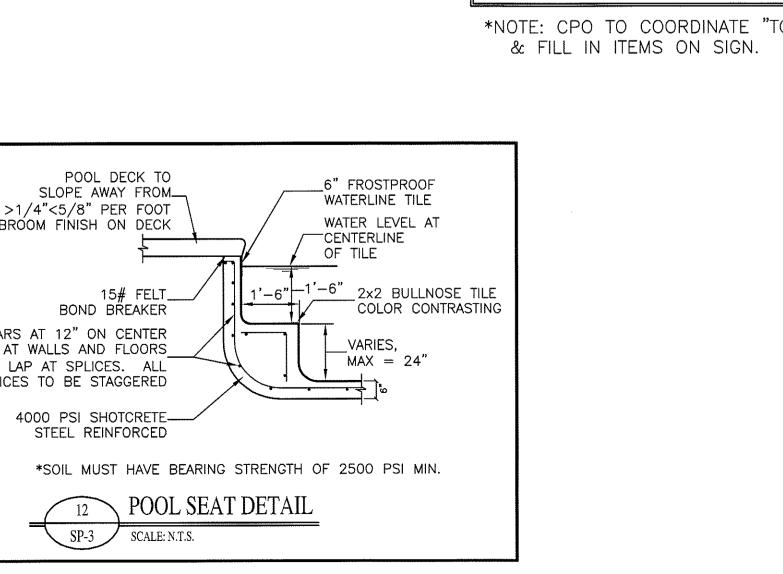
15. AN EMERGENCY PHONE IS LOCATED TO LEFT ON WALL. 16. THE CPO (CERTIFIED POOL OPERATOR) AT THIS FACILITY IS TBD.

\*NOTE: CPO TO COORDINATE "TO BE DETERMINED (TBD)" ITEMS WITH OWNER





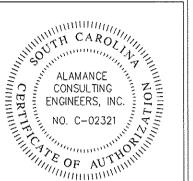




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# FOR

DRAWING NAME

POOL DETAILS SEAL 20620 MJW GKB 5/7/09 SCALE

AS NOTED

JOB NO.

9026