

DATE: 01-12-16
JOB NAME: PROVIDENCE FARM
OWNER: CRESCENT DEVELOPMENT
GC:
LOCATION: CHARLOTTE, NC

POOL				
POOL SQUARE FOOTAGE	916 SF			
PERIMETER	181 FT.			
DEPTH (AVERAGE)	2.76 FT.			
GALLONS	39,555 GALS.			
MIN. GALLONS PER MINUTE	110			
DESIGNED GALLONS PER MINUTE	130			
TURN-OVER	5.08 HRS.			
DECK (SP) SIZE	6065 SQ. FT.			
SWIMMER LIMIT	120 PERSONS			
CHEMICAL ROOM REQUIRED	15 SQ. FT.			
DECK LIGHTING REQUIRED	N/A - NO NIGHT SWIMMING			

WHITE GOODS - MAIN POOL	MANUFACTURER	CATALOG #	MODEL #	DESCRIPTION	NUMBER REQUIRED
MAIN DRAINS - FILTRATION	AQUASTAR	9MFI0D		9X9 258 GPM	2
MAIN DRAINS - FEATURE	AQUASTAR	9MFI0D		9X9 258 GPM	2
COLLECTOR TUBE	HAYWARD	5P-1055	5P1055		1
HYDROSTATIC VALVE	HAYWARD	5P-1056	5P-1056	12" LONG	1
SKIMMERS	PENTAIR	STA-RITE	U3		5
EXTRA SKIMMER BASKET	PENTAIR	STA-RITE	08650-0001		1
EQUALIZER GRATE (WALL)	AQUASTAR	4HP101	4"	ROUND SUCTION	5
EQUALIZER BULKHEAD (WALL)	AQUASTAR	415T155	4"		5
OVERFLOW	HAYWARD	5P1019	2" FIP X 2"		1
AUTO FILL - WATER LEVELER	CMP		25504-100-00		1
INSIDERS	HAYWARD	5P1022		2" EYEBALL FITTING	5
RETURN INLETS (WALL)	HAYWARD	5P1419D		ADJUSTABLE INLET	5
RETURN INLETS (FLOOR)	HAYWARD	5P1425		ADJUSTABLE INLET	3
FLOW METER	BLUE-WHITE	F 30300 P	3"		1

EQUIPMENT - MAIN POOL	MANUFACTURER	CATALOG #	MODEL #	DESCRIPTION	NUMBER REQUIRED
PUMP - FILTRATION	PENTAIR	01644	WFK-12	130 GPM @ 65' HEAD, 3 HP	1
PUMP - FEATURE	PENTAIR	022019	XFK-20	145 GPM @ 73' HEAD, 5 HP	1
EXTRA PUMP BASKET	PENTAIR		OT0381		1
FILTER	PENTAIR	140316	TR 140C	141 GPM, 650 LBS SAND	1
BACKWASH VALVE	PENTAIR	261050	HI FLOW		1
CHLORINATOR	RAINBOW	R17170	300-24X	80-322000 GALS	1
CHLORINATOR FLOW DEVICE	RAINBOW	R172621			1
SALT GENERATOR	INTELLICHLOR		520555	C-40	1
SALT GENERATOR	INTELLICHLOR		520556	POWER CENTER	1
POOL LIGHTS (LED)	PENTAIR	INTELLIBRITE	55 - WHITE	120V, 400W, 150' CORD	3
LIGHT NICHE	PENTAIR		18206100	PLASTIC NICHE FOR GUNITE	3
JUNCTION BOXES	PENTAIR		T93101		3
LADDER	SR SMITH		VLLS 1035-MG	3 TREAD	2
LADDER ANCHOR	PERMACAST		PC-4020-BC	20" PRESET 4" BRONZE	2
HANDRAIL	SR SMITH		2HR-4-065-MG	4" 2-BEND	6
HANDRAIL ANCHOR	PERMACAST		PS-4019-BC	4" BRONZE	12
ESCAUTHOEON			PE-Q019-C	CHROME PLATED	16
BOND LUGS	BLACKBURN	BL70	BLKBURN L70		16
GREEN WIRE #8					1
COPPER WIRE #8					1
POOL RULES NC	RAINBOW	R 234 100			1
NO LIFE GUARD NC	RAINBOW	R 230 500			1
NO DIVING NC	RAINBOW	R 231 200			1
NO NIGHT SWIMMING NC	COMPLIANCE	NHE-1569			1
MUST SHOWER NC	POOL MASTER	40320			2
12" STRAIGHT POLE	RAINBOW	191106			1
20" RING BUOY			6X-20		1
60" LIFE LINE	POOLMASTER		33548	1/2" X 60'	1
RESCUE HOOK	OCEAN BLUE		182080		1
HARDWARE PACKAGE	PENTAIR		RO3183		1
8"-16" TELE-POLE	RAINBOW	R 191046			1
VACUUM WALL FITTING	HAYWARD	W 400 BWHF			1
VAC ADAPTER	HAYWARD	AXV 042			1
80" VAC HOSE	HAYWARD	H550	PA00059	1.5"X50'	1
22" CONCRETE VAC	RAINBOW	R 201 286			1
18" BRUSH	RAINBOW	R 11316			1
LEAF SKIMMER	RAINBOW	R121216	140020		1
TEST KIT	TAYLOR	K-2205		COMMERCIAL KIT	1

SPECIALTY ITEMS	MANUFACTURER	CATALOG #	MODEL #	DESCRIPTION	NUMBER REQUIRED
ADA LIFT	SR SMITH		300-0000	SPLASHI SERIES	1
FOAM JETS	CRYSTAL FTNS.		KMO-101		3

POOL PIPING	MAIN	LOOP	BRANCH	DESCRIPTION
MAIN DRAINS - FILTRATION	4"			
MAIN DRAINS - FEATURE	4"			
SKIMMERS	4"		2"	SEE 1/SP-3 FOR ALL PIPE SIZES
RETURNS - FILTRATION	3"	2"	2"	
RETURNS - FEATURE	3"	3"	1"	ADDITIONAL 1/2" AIR PIPE, SEE 1/SP-3
VACUUM	2.5"			

POOL DECK

- A. WHERE APPLICABLE, TEMPORARILY BRACE RETAINING WALLS UNTIL DECK IS INSTALLED.
 B. ALL APPLICABLE MATERIALS & PROCEDURES SHALL CONFORM TO THE LATEST EDITION OF THE FOLLOWING STANDARDS:

- ASTM A-150 PORTLAND CEMENT
 ASTM C-33 AGGREGATES FOR CONCRETE
 ASTM C-94 READY-MIX CONCRETE
 ACI 550.1 AND ACI-550-88
 ASCE 8-88 AND 6-88
 THE 2009 INTERNATIONAL BUILDING CODE

NOTE: WATER QUALITY TEST KIT SHALL INCLUDE PROVISIONS FOR READING THE LEVELS OF CHLORINE, PH, AND, IF USED, CYANURIC ACID.

NOTE: AS PER 680.23(B)(2)(b) OF THE NATIONAL ELECTRIC CODE, WHERE A NON-METALLIC CONDUIT IS USED, AN 8 AWG INSULATED SOLID OR STRANDED COPPER EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED IN THIS CONDUIT, AND THE GROUNDING CONDUCTOR IN THE FORMING SHELL SHALL BE COVERED WITH, OR ENCAPSULATED IN, A LISTED POTTING COMPOUND TO PROTECT THE CONNECTION FROM THE POSSIBLE DETERIORATING EFFECT OF POOL WATER.

- GENERAL NOTES:**
- THE NC DEPARTMENT OF ENVIRONMENTAL AND NATURAL RESOURCES REGULATION 15A NCAC18 A 2500 FOR PUBLIC SWIMMING POOLS, DATED JULY 2010 IS CONSIDERED AS A PART OF THESE DRAWINGS AND SPECIFICATIONS AND SHALL BE CONFORMED TO BY THE POOL CONTRACTOR.
 - POOL CONTRACTOR SHALL PROVIDE APPROVAL FROM LOCAL HEALTH AUTHORITIES AND MEET ALL LOCAL CODES, ORDINANCES, ETC.
 - SUBSTITUTION OF ITEMS OF EQUIPMENT MAY BE PERMITTED BY OBTAINING WRITTEN APPROVAL FROM THE HEALTH DEPARTMENT. (RESPONSIBILITY OF POOL CONTRACTOR)
 - BUILDER MUST GIVE OWNER AND OPERATOR COMPLETE WRITTEN (TWO COPIES) AND ORAL INSTRUCTIONS IN OPERATION AND MAINTENANCE AND TWO COPIES OF THE VALVE OPERATION SCHEDULE. INSTRUCTIONS SHALL BE ENGAGED IN WATERPROOF COVERING AND PERMANENTLY POSTED ON THE WALL. OPERATION OF THE POOL SHALL BE UNDER SUPERVISION OF THE POOL BUILDER FOR A MINIMUM OF THREE DAYS.
 - A FREE PUBLIC TELEPHONE WITH EMERGENCY NUMBERS MUST BE LOCATED WITHIN TWO-HUNDRED FEET OF THE POOL AND AVAILABLE TO SWIMMERS AT ALL TIMES.
 - A DRINKING FOUNTAIN SHALL BE AVAILABLE TO SWIMMERS AT ALL TIMES.
 - POOL CONTRACTOR SHALL NOTIFY THE HEALTH DEPARTMENT BEFORE STARTING CONSTRUCTION AND ARRANGE FOR PERIODIC INSPECTIONS.
 - ANY SECOND FLOOR BALCONY WITHIN TEN FEET OF THE POOL SHALL BE PROVIDED WITH A PROTECTIVE BARRIER.
 - POTABLE WATER SHALL BE SUPPLIED BY THE LOCAL MUNICIPAL WATER AUTHORITY. SANITARY SEWER SERVICE SHALL BE PROVIDED BY THE LOCAL MUNICIPAL SEWER SYSTEM.

- ELECTRICAL AND LIGHTING NOTES:**
- ALL ELECTRICAL WORK SHALL CONFORM TO N.E.C. AND LOCAL CODES. ALL ELECTRICAL CIRCUITS WITH POSSIBLE POOL OR WATER FOUNTAIN CONTACT SHALL HAVE GROUND FAULT INTERRUPTERS AS PER ARTICLE 680 OF THE N.E.C., LATEST EDITION.
 - ALL AREA AND DECK LIGHTING (IF REQUIRED) SHALL MEET OR EXCEED ALL APPLICABLE CODES. ALL LIGHTING SHALL BE INSTALLED IN ACCORDANCE WITH THE N.E.C. ELECTRICAL CODE.
 - LICENSED ELECTRICIANS SHALL PROVIDE AND INSTALL WIRE AND JUNCTION BOX, GROUND ALL DECK EQUIPMENT, LADDERS AND HANDRAILS, (BY OWNER)
 - ELECTRICIAN SHALL PROVIDE START/STOP DISCONNECTS (IF REQUIRED) AND WIRE TO THE PUMPS. (BY OWNER)
 - ALL OVERHEAD WIRING NOT IN CONDUIT SHALL BE AT LEAST TWENTY FEET HORIZONTALLY AWAY FROM THE POOL.
 - THERE SHALL NOT BE ANY LIGHTING FIXTURES DIRECTLY OVER THE WATER SURFACE OF OUTDOOR POOLS.
 - ARTIFICIAL LIGHTING SHALL BE PROVIDED AT ALL PUBLIC SWIMMING POOLS THAT ARE TO BE USED AT NIGHT. WHERE UNDERWATER LIGHTING IS USED, NOT LESS THAN 0.5 WATTS OF INCANDESCENT LIGHTING OR EQUIVALENT SHALL BE PROVIDED PER SQUARE FOOT OF POOL AREA. AN ADEQUATE NUMBER OF LIGHTS SHALL BE PROPERLY POSITIONED SO THAT ALL PORTIONS OF THE POOL ARE CLEARLY VISIBLE BY OBSERVERS ON THE POOL DECK. WHERE UNDERWATER LIGHTING IS USED, UNIFORM AREA LIGHTING SHALL BE PROVIDED FOR THE DECK AREA AND SHALL BE DIRECTED TOWARD THE DECK AREA AND AWAY FROM THE POOL SURFACE WHERE PRACTICAL. ILLUMINATION OF THE POOL DECK SURFACE SHALL BE AT LEAST TEN FOOT-CANDLES OF INTENSITY OR NOT LESS THAN 0.6 WATTS OF INCANDESCENT LIGHTING OR TEN LUMENS PER SQUARE FOOT. WHERE UNDERWATER LIGHTING IS NOT USED AND NIGHT SWIMMING IS PERMITTED, UNIFORM AREA LIGHTING SHALL BE PROVIDED IN AN AMOUNT OF NOT LESS THAN THIRTY-TWO FOOT CANDLES OF INTENSITY PER SQUARE FOOT OF DECK AREA IN ADDITION TO ONE WATT OF INCANDESCENT LIGHT OR SIXTEEN FOOT CANDLES OF INTENSITY PER SQUARE FOOT OF DECK AREA. THE LIGHTS SHALL BE LOCATED AROUND THE POOL SUCH THAT ALL SECTIONS AND DEPTHS OF THE POOL ARE CLEARLY VISIBLE AT ALL TIMES. A NON-BREAKABLE LENS SHALL PROTECT ALL LIGHT FIXTURES LOCATED WITHIN THE POOL AREA.

POOL BUILDING, EQUIPMENT & CHEMICAL ROOM NOTES:

- NATURAL CROSS-DRAFT OR FORCED VENTILATION IS REQUIRED, AND SHALL BE VENTED TO THE OUTSIDE AND AWAY FROM THE POOL DECK.
- THE BATH HOUSE FACILITIES SHALL BE WELL LIGHTED, DRAINED, VENTILATED, OF IMPERVIOUS MATERIALS AND FINISHED IN LIGHT COLORS.
- THERE SHALL NOT BE ANY STEPS BETWEEN POOL AND ADJACENT STRUCTURES.
- POOL CHEMICALS SHALL BE HOUSED IN A ROOM SEPARATE FROM THE POOL EQUIPMENT ROOM.
- MINIMUM TOILET FACILITIES SHALL BE PROVIDED WITHIN THE AMENITY AREA. SEE ARCHITECTURAL DRAWINGS FOR DETAILS. FLOORS SHALL BE OF IMPERVIOUS MATERIALS AND BE RELATIVELY SMOOTH WITHOUT A SLUGK FINISH. EACH ROOM SHALL BE FURNISHED WITH A MINIMUM OF 60 WATTS OF INCANDESCENT LIGHT AND HAVE ADEQUATE VENTILATION. SOAP DISPENSERS FOR PROVIDING EITHER LIQUID OR POWDERED SOAP SHALL BE PROVIDED AT EACH LAVATORY OR BETWEEN EACH PAIR OF LAVATORIES. THE DISPENSER SHALL BE OF ALL METAL OR PLASTIC TYPE, WITH NO GLASS PERMITTED IN THESE UNITS. MIRRORS, IF PROVIDED, SHALL BE MADE OF SHATTER RESISTANT MATERIAL, SINGLE SERVICE PAPER TOWEL DISPENSERS OR BLOWER TYPE HAND DRYERS SHALL BE PROVIDED. TOILET PAPER HOLDERS SHALL BE PROVIDED AT EACH WATER CLOSET. FLOORS SHALL BE WELL DRAINED WITH DRAIN OUTLETS TO PREVENT STANDING WATER. SANITARY FACILITIES ARE NOT REQUIRED IF ALL LIVING UNITS ARE WITHIN A THREE-HUNDRED FOOT RADIUS OF THE POOL AND ARE EACH EQUIPPED WITH PRIVATE FACILITIES. BATHROOM PARTITIONS SHALL BE MADE OF DURABLE MATERIAL, NOT SUBJECT TO DAMAGE BY WATER AND SHALL BE DESIGNED SO THAT A WATERWAY IS PROVIDED BETWEEN PARTITIONS AND FLOOR TO PERMIT THOROUGH CLEANING OF THE WALLS AND FLOOR AREA WITH HOSES AND BROOMS. FLOORS OF THE DRESSING FACILITY SHALL BE CONTINUOUS THROUGHOUT THE AREAS. FLOOR DRAINS SHALL BE PROVIDED, AND FLOORS SHALL BE SLOPED NOT LESS THAN 1/4" INCH PER FOOT TOWARD THE DRAINS TO INSURE POSITIVE DRAINAGE.
- THE SYSTEM SHALL BE INACCESSIBLE TO USERS. THE SYSTEM SHALL BE DESIGNED SUCH THAT WATER TEMPERATURE AT THE SHOWER HEADS AND LAVATORIES CANNOT EXCEED 110 DEGREES FAHRENHEIT.
- THE CEILING HEIGHT IN THE EQUIPMENT SHALL BE A MINIMUM OF SEVEN FEET IN HEIGHT.
- GROUND LEVEL DOORS AND WINDOWS OPENING INSIDE THE POOL ENCLOSURE MUST BE SELF-CLOSING OR CHILD PROTECTED BY MEANS OF A BARRIER OR AUDIBLE ALARM.

REINFORCED CONCRETE

- SPECIFICATIONS AND STANDARDS:
 UNLESS SPECIFICALLY SHOWN OTHERWISE, ALL CONCRETE WORK, DETAILING, FABRICATION AND PLACING OF BARS AND CONCRETE SHALL BE GOVERNED BY THE LATEST REVISIONS OF:
 A. ACI 301, AND ACI 315, AND ACI 318
 B. CRS RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS.
 C. ACI 305 AND ACI 305 FOR WINTER AND HOT WEATHER CONCRETING, RESPECTIVELY.
 THE CONTRACTOR SHALL AT ALL TIMES HAVE A COPY OF THE RELEVANT SPECIFICATIONS QUOTED ABOVE ON THE SITE AND THE SUPERVISORY PERSONNEL SHALL BE THOROUGHLY FAMILIAR WITH THE CONTENTS THEREOF.

CONCRETE REQUIREMENTS AND LOCATION IN JOB:

CLASS LOCATION	FC	REQUIREMENTS
I. POOL WALLS	4000 PSI	SHOTCRETE (APPLIED PNEUMATICALLY)
II. EXTERIOR CONCRETE	3500 PSI	5%+18AIR, 3" TO 5" SLUMP
III. INTERIOR SLABS	3500 PSI	3" TO 5" SLUMP

REINFORCING REQUIREMENTS:

- BARS: ASTM A615, A616, A617-GRADE 60
 B. WELDED WIRE FABRIC: ASTM A185

- SPLICES:
 A. NO SPLICES IN BEAM, JOIST, OR SLAB STEEL UNLESS SPECIFICALLY SHOWN OTHERWISE.
 B. COMPRESSION SPLICES: LAP 30 DIAMETERS
 C. TENSION SPLICES: WHEN PERMITTED, LAP IN ACCORDANCE WITH THE ACI CODE.
 D. LAP WELDED WIRE FABRIC | SPACE +2" AT ALL EDGES AND ENDS OF SHEET.

- OPENINGS:
 A. OPENINGS SHOWN ARE FOR BIDDING PURPOSES ONLY. CONTRACTOR SHALL RECONCILE THEIR EXACT SIZE AND LOCATION WITH MECHANICAL AND OTHER REQUIREMENTS BEFORE PROCEEDING WITH THE WORK.
 B. IF ANY OPENING NOT SHOWN ON THE PLAN IS REQUIRED, APPROVAL MUST BE SECURED FROM THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH THE WORK.

- SOIL BEARING:
 A. SOIL SHALL BE VERIFIED TO PROVIDE MIN. 2000 PSF BEARING CAPACITY, TESTED BY A CERTIFIED TESTING LABORATORY.

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 ASTM C-33 AGGREGATES FOR CONCRETE
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C. MIX AND PLACE CONCRETE PER THE PORTLAND CEMENT ASSOCIATION PUBLICATION "DESIGN AND CONTROL OF CONCRETE MIXES." PRIOR TO PLACING CONCRETE, FOOTING EXCAVATIONS SHALL BE FREE OF WATER SLUSH, & FOREIGN MATERIAL.
 D. FOOTING SLAB BASE SHALL BE POURED AGAINST EARTH HAVING 95% COMPACTION (PROCTOR STANDARD & ASTM D-698).
 E. CONCRETE SHALL BE 3000 PSI WITH A MAXIMUM SLUMP OF 5". DEFECTIVE OR HONEYCOMBED CONCRETE SHALL BE EXAMINED BY A PROFESSIONAL ENGINEER FOR THE METHOD OF CORRECTION.
 F. SLAB DEPTH SHALL EXTEND TO A DISTANCE EQUAL TO THE DEPTH SHOWN OR TO MEET A MINIMUM DEPTH REQUIRED BY LOCAL CODE OR TO MEET RESTRICTIONS ENCOUNTERED.

- POOL PIPING AND EQUIPMENT:**
- THERE SHALL BE A MINIMUM 6" AIR GAP OR FLAPPER VALVE BETWEEN THE FILTER BACKWASH LINES, THE POOL OVERFLOW LINE, AND THE APPROVED POINT OF DISCHARGE.
 - POOL PIPING SHALL BE INSPECTED AND APPROVED BEFORE BEING COVERED UP. PIPING SHALL BE TESTED UNDER A STATIC WATER OR AIR PRESSURE TEST OF NOT LESS THAN 35 PSI OR 1 1/2 TIMES THE NORMAL OPERATING PRESSURE ON THE LINE, WHICHEVER IS GREATER, FOR TWO HOURS.
 - PRESSURE GAUGES SHALL BE PROVIDED ON FILTER ON INFLUENT AND EFFLUENT LINES.
 - ALL GRAVITY WASTE LINES SHALL SLOPE A MINIMUM OF 1/8" INCH PER FOOT.
 - ALL PUMPS SHALL BE PROVIDED WITH A CORROSION RESISTANT STRAINER TO REMOVE SOLIDS, DEBRIS, HAIR, LINT, ETC. ONE SPARE STRAINER SHALL BE PROVIDED FOR EACH PUMP IN THE SYSTEM. ALL PUMPS SHALL BE SELF-PRIMING.
 - THE MIDDLE OF THE SKIMMER THROAT SHALL BE THREE TO SEVEN INCHES BELOW THE POOL COPING SUCH THAT THE NORMAL OPERATING WATER LEVEL OF THE POOL IS THE MIDDLE OF THE SKIMMER THROAT.
 - HOSE BIBBS SHALL BE LOCATED NOT LESS THAN TEN INCHES ABOVE THE DECK BUT NOT MORE THAN TWENTY FOUR INCHES ABOVE DECK LEVEL. ALL HOSE BIBBS SHALL HAVE A BACK FLOW PREVENTION DEVICE ATTACHED.
 - PROVISION SHALL BE MADE FOR COMPLETELY DRAINING THE POOL TO WASTE.
 - THERE SHALL BE NO CROSS-CONNECTING OF POOL PIPING.
 - ALL PIPES SHALL BE NSF APPROVED SCHEDULE 40 PVC.
 - A LICENSED PLUMBER SHALL INSTALL WATER SUPPLY LINE TO DECK, AS SHOWN.
 - POOL CONTRACTOR SHALL PERMANENTLY MARK ALL VALVES.
 - ALL PIPING SHALL BE PROPERLY SUPPORTED AS TO PRECLUDE AGAINST SETTLEMENT.
 - PIPING IN THE EQUIPMENT ROOM SHALL BE MARKED WITH DIRECTIONAL ARROWS.
 - A POSITIVE MEANS OF COMPLETELY DRAINING PIPES SHALL BE PROVIDED.
 - NORMAL PATTERN OF RE-CIRCULATION SHALL BE 50% THROUGH OVERFLOW/SKIMMING FACILITIES AND 50% THROUGH MAIN DRAINS.
 - NOT USED.
 - CHLORINATORS SHALL BE INSTALLED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
 - PROVIDE A POOL OVERFLOW IN THE WALL OR SKIMMER.
 - THE POOL CONTRACTOR SHALL MAKE PROVISIONS FOR WINTERIZING ALL POOL PIPING AND DECK LEVEL HOSE BIBBS.
 - A RATE OF FLOW INDICATOR, READING IN LITERS OR GALLONS PER MINUTE SHALL BE INSTALLED ON THE FILTERED WATER LINE AND LOCATED SO THAT THE RATE OF CIRCULATION IS INDICATED. THE INDICATOR SHALL BE CAPABLE OF MEASURING FLOWS THAT ARE AT LEAST 1 1/2 TIMES THE DESIGN FLOW RTE, SHALL BE ACCURATE WITHIN TEN PERCENT OF TRUE FLOW, AND SHALL BE EASY TO READ. THE INDICATOR SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.

POOL DECK, SHELL, AND FENCING:

- FENCE SHALL BE MINIMUM FOUR FEET HIGH FROM THE OUTSIDE APPROACH. THE HORIZONTAL SPACING BETWEEN VERTICAL MEMBERS OF THE ENCLOSURE SHALL NOT EXCEED FOUR INCHES, WHERE THE HORIZONTAL SPACE BETWEEN VERTICAL MEMBERS EXCEEDS 1 3/4", THERE SHALL BE AT LEAST THIRTY INCHES BETWEEN ANY HORIZONTAL BOTTOM RAIL OR STRINGERS AND THE NEXT RAILS OR STRINGERS. THE HEIGHT OF ANY OPENING UNDER THE BOTTOM OF THE ENCLOSURE SHALL NOT EXCEED FOUR INCHES; THE OPENINGS UNDER AND THROUGH A FRINGE OR BARRIER WITH THE GATE(S) CLOSED SHALL BE SIZED SO THAT A 4 1/2" INCH DIAMETER SPHERE WILL NOT PASS THROUGH THE OPENING.
- ALL GATES AND DOORS SHALL BE EQUIPPED WITH SELF-CLOSING AND POSITIVE SELF-LATCHING CLOSURE MECHANISMS. ACCESS GATES SHALL BE PROVIDED WITH LOCKING DEVICES. GATES PROVIDED TO ALLOW BATHERS ACCESS TO THE POOL SHALL BE LOCATED SO AS TO OPEN TO THE POOL WHERE THE WATER IS LESS THAN FIVE FEET DEEP. ON POOLS BUILT AFTER MAY 1, 1996, ACCESS GATES SHALL OPEN AWAY FROM THE POOL EXCEPT WHEN NATURAL TOPOGRAPHY OR OTHER CONDITIONS DICTATE THAT IT OPEN INWARD. RELEASE OF THE LATCH ON THE SELF-LATCHING DEVICE SHALL BE ACTIVATED:
 (A) AT A HEIGHT OF NO LESS THAN 54 INCHES ABOVE GRADE FOR WIRE MESH ACCESS GATES AND AT A HEIGHT NO LESS THAN 54 INCHES ABOVE THE HORIZONTAL BOTTOM RAIL OF A PICK/ORNAIMENTAL ACCESS GATE; OR
 (B) INCH ON THE END SIDE OF THE GATE AT A DISTANCE OF NOT LESS THAN THREE INCHES BELOW THE TOP OF THE GATE PROVIDED. ON FENCING CONSTRUCTED AFTER APRIL 1, 2000 THERE SHALL BE NO OPENING GREATER THAN 1/2 INCH WITHIN EIGHTEEN INCHES OF WHERE THE LATCH RELEASE IS ACTIVATED WHEN THE GATE IS CLOSED.
- NOT USED.
- THE DECK AROUND THE POOL SHALL HAVE A NON-SLIP OR SMOOTH BROOM FINISH AND SLOPE A MINIMUM 1/8" AND A MAXIMUM OF 1/2" PER FOOT AWAY FROM THE POOL.
- ALL DECK MATERIAL SHOWN ON DRAWINGS EXCEPT CONCRETE SHALL BE SUBMITTED TO NC FOR APPROVAL.
- ALL JUNCTIONS BETWEEN POOL WALLS AND FLOOR SHALL HAVE A MINIMUM SIX INCH RADIUS.
- POOL FINISH SHALL BE NON-SLIP RELATIVELY SMOOTH AND LIGHT IN COLOR.
- A MINIMUM SIX INCH FROST-PROOF TILE OR OTHER EASILY CLEANED SURFACE SHALL BE PLACED AT THE NORMAL WATER LINE.
- ALL CONCRETE SHALL CONFORM TO TO AMERICAN CONCRETE INSTITUTE STANDARDS.
- DEPTH MARKERS SHALL BE PERMANENT (NOT PAINTED) AND PLACED AT INTERVALS NOT TO EXCEED TWENTY-FIVE FEET, MAXIMUM. NUMERALS SHALL BE MINIMUM FOUR INCHES IN HEIGHT AND OF CONTRASTING COLOR WITH THE BACKGROUND. THE BACKGROUND SHALL BE LIGHT IN COLOR. DEPTH MARKERS SHALL BE PLACED ON ALL SIDES AND ENDS OF THE POOL. DEPTHS SHALL BE INDICATED IN FEET TO THE NEAREST 1/2 FOOT.
- ALL STEEP TILE, LANE TILE, AND DECK DEPTH TILES SHALL BE NON-SLIP.
- THE POOL SHALL BE INITIALLY STABILIZED WITH CYANURIC ACID IN THE RANGE OF 25 TO 60 PARTS PER MILLION, BY POOL CONTRACTOR.
- THE SHALLOW END OF THE POOL SHALL HAVE A UNIFORM SLOPE THAT SHALL NOT EXCEED ONE FOOT RISE IN TEN FEET OF RUN.
- HOSE BIBBS SHALL BE PROVIDED SUCH THAT THE ENTIRE DECK CAN BE REACHED WITH A 100' HOSE.
- NOT USED.
- NOT USED.
- PUBLIC SWIMMING POOL SHELLS SHALL BE CONSTRUCTED OF REINFORCED CONCRETE OR OTHER STRUCTURALLY SOUND MATERIAL EQUIVALENT IN STRENGTH AND DURABILITY, DESIGNED TO WITHSTAND ANTICIPATED STRESSES AND DESIGNED AND BUILT OF WATERTIGHT CONSTRUCTION WITH A SMOOTH IMPERVIOUS SURFACE. ALL DESIGN AND CONSTRUCTION OF REINFORCED CONCRETE, INCLUDING GUNITE AND SHOTCRETE SHALL CONFORM WITH AMERICAN CONCRETE INSTITUTE STANDARDS. THE VERTICAL WALLS OF A PUBLIC SWIMMING POOL SHALL NOT EXCEED ELEVEN DEGREES FROM PLUMB.

POOL SAFETY AND SIGNAGE:

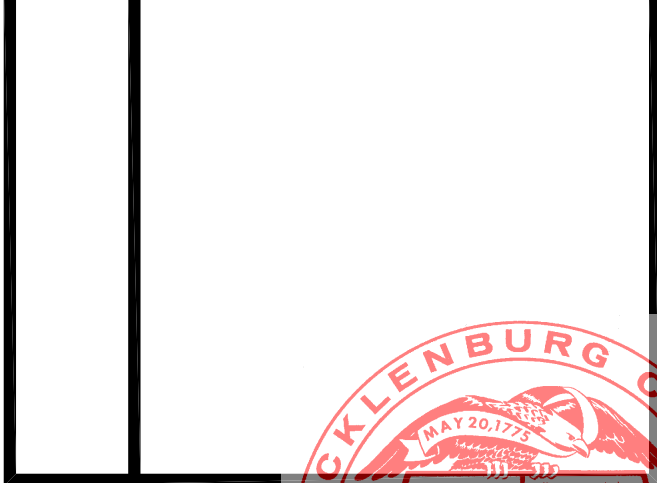
- LIFE-HOOK HANDLE SHALL BE A MINIMUM TWELVE FEET IN LENGTH.
- LIFE RINGS SHALL HAVE THROWING LINES WITH A MAXIMUM OF FIFTY FEET.
- TWENTY-INCH LIFE RINGS SHALL BE US COAST GUARD APPROVED.
- THE LIFE HOOK SHALL ALWAYS BE ATTACHED TO A POLE.
- THE LIFE RING AND THE LIFE HOOK SHALL ALWAYS BE WITHIN 25 FEET OF THE POOL AREA.
- A POOL RULES SIGN STATING THE ITEMS AS FOUND IN SECTION 2530 OF THE REGULATIONS SHALL BE POSTED.
- "NO DIVING" SIGNS SHALL BE PROVIDED.
- THE EMERGENCY PHONE SHALL BE VISIBLE FROM WITHIN THE POOL ENCLOSURE OR A SIGN SHALL BE POSTED INDICATING THE LOCATION OF THE EMERGENCY TELEPHONE. A SIGN WITH LEGIBLE LETTERS SHALL BE POSTED AT THE TELEPHONE PROVIDING DIALING INSTRUCTIONS, ADDRESS OF THE POOL LOCATION, AND THE TELEPHONE NUMBER. THE PHONE SHALL COMPLY WITH THE RULES AS FOUND IN SECTION 2530 OF THE REGULATIONS.
- ALL PUBLIC SWIMMING POOLS SHALL POST A SIGN VISIBLE UPON ENTERING THE POOL ENCLOSURE DIRECTING POOL USERS TO SHOWER BEFORE ENTERING THE POOL.

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ARCHITECT SEAL



Southern Pool Company

MECKLENBURG COUNTY

Construction level For Compliance With The State Building Code of The Project Practices and Compliance With The North Carolina State Building Code.

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PROVIDENCE FARM POOL CHARLOTTE, NC

DATE: 01-12-16
 JOB NUMBER: 15-10-153
 CHECKED BY: WHD
 DRAWN BY: CDB

TITLE: EQUIPMENT SCHEDULE & NOTES

SHEET NUMBER: SP-5