



1 SMART WAY,
BATON ROUGE, LA 70810

SEAL

SWIMMING POOL SITE LAYOUT

SP2.00

11/8/2023 9:01:18 PM



- 1 SLIP-RESISTANT/EASILY CLEANABLE POOL DECK. SLOPE 2% MAX AWAY FROM POOL. RE: LANDSCAPE
- 2 MINIMUM 4'-0" TALL FENCE TO FULLY ENCLOSE POOL AREA BY OTHERS. RE: LANDSCAPE
- 3 GATE WITH SELF-CLOSING AND SELF-LATCHING MECHANISM. RE: LANDSCAPE
- 4 EMERGENCY PHONE WITH POSTED NAMES AND NUMBERS OF EMERGENCY SERVICES. PROVIDED BY GENERAL CONTRACTOR.
- 5 EMERGENCY STOP BUTTON. POOL CONTRACTOR TO PROVIDE AND GENERAL CONTRACTOR TO WIRE AND TERMINATE.
- 6 SWIMMING POOL RULES AND HOURS SIGN PROVIDED BY OWNER INSTALLED BY GENERAL CONTRACTOR.
- 7 SWIMMING POOL SAFETY EQUIPMENT MOUNTING LOCATION. REF: TO SP1.00 FOR SCHEDULE OF EQUIPMENT.
- 8 HOSE BIB WITH VACUUM BREAKER FOR DECK CLEANING.
- 9 POOL EQUIPMENT AREA. RE: SP6.00 FOR DETAILED LAYOUT.
- 10 BUILDING. REF: ARCHITECTURAL
- 11 PAVILION/HARBOR STRUCTURE. RE: LANDSCAPE
- 12 GREENSPACE. RE: LANDSCAPE

MINIMUM OF 1 HOSE BIB REQUIRED AT ALL POOL EQUIPMENT PADS FOR CLEANING/MAINTENANCE.

SITE PLAN SCHEDULE		
MAIN POOL AREA	795	SF
TOTAL POOL AREA	1,167	SF
TOTAL DECK SURFACE AREA	3,151	SF
SHALLOW AREA USER LOAD	8	SF/USER
MAXIMUM USER LOAD	145	USERS
UNDERWATER LIGHTING REQUIRED	584	WATTS
DECK LIGHTING REQUIRED	1,891	WATTS



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SWIMMING POOL PLUMBING PLAN

Date 12.15.2023

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POOL EQUIPMENT AREA
RE: SP6.00 FOR
DETAILED
LAYOUT

①

RECESSED SKIMME

100

12X12 MAIN DRAIN

—

WALL INLET

3

UNDERWATER LED POOL LIGHT

A diagram showing a door handle assembly. It consists of a rectangular lock cylinder mounted on a door. A horizontal handle is attached to the cylinder. A vertical line indicates the handle's position when the door is closed.

ADA LIFE

ADJUSTABLE FLOOR INLET

MAIN POOL AREA

MAIN POOL AREA

ANNING LEDGE AREA

TOTAL POOL AREA

NINO LEDES #1 VOLUME

EDGE#1 INLET FLOW RATE

LEDGE #1 TURNOVER TIME

NING LEDGE #2 VOLUME

LEDGE #2 INLET FLOW RATE

G LEDGE #2 TURNOVER TIME

TOTAL WATER VOLUME

TURNOVER TIME

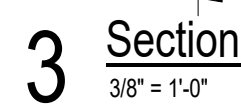
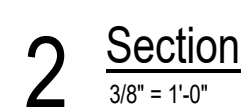
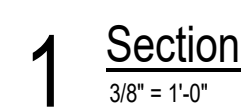
GREAT OPERATING POINT

HYDRAULIC HEAD AT OPERATING POINT

MARK	DESCRIPTION	DIAMETER (IN)	FLOWRATE (GPM)	VELOCITY (FPS)	APPROXIMATE LENGTH (FT)
SK-1	TRUNK LINE TO PUMP	3	85	3.69	92
SK-2	LOOP FROM SK-3 TO SK-1	2	43	4.07	270
SK-3	BRANCH LINE FROM SKIMMER TO SK-2 LOOP	1 1/2	21	3.35	28
MD-1	TRUNK LINE TO PUMP	3	85	3.69	140
MD-2	BRANCH FROM MAIN DRAIN TO MD-1	3	43	1.85	3
R-1	TRUNK LINE FROM PUMP	3	85	3.69	92
R-2	LOOP FROM R-1 TO R-3	2	42.5	4.07	270
R-3	BRANCH FROM R-2 LOOP TO WALL/FLOOR INLET	1 1/2	10.6	1.68	165



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SEAL

SWIMMING POOL SECTION VIEWS

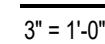
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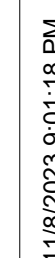
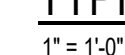
3/4" = 1'-0"

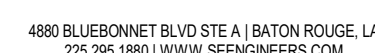


3 3" = 1'-0"



5 $\frac{1110}{3/4" = 1'-0"$





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DEPTH MARKER REQUIREMENTS

DEPTH MARKERS SHALL DISPLAY FEET AND INCHES

"NO DIVING" SYMBOL MARKER SHALL BE LOCATED AT EACH DECK DEPTH MARKER

MARKING GENERAL NOTES:

DEPTH MARKERS SHALL BE PLACED ON THE DECK WITH SPACING NOT TO EXCEED 25'-0", POINTS OF CHANGE IN SLOPE.

ALL DECK MARKERS SHALL HAVE A CORRESPONDING MARKER LOCATED AT THE WATERLINE TILE.

DECK TILES TO BE PLACED WITHIN 18" OF THE POOL WATER SURFACE

DECK TILES TO BE POSITIONED TO BE READ WHILE STANDING ON THE DECK FACING THE WATER.

DEPTH MARKERS TO BE IN IMPERIAL UNITS

NUMERICAL COLOR OF LETTERING TO BE CONTRASTING TEXT

"NO DIVING" INTERNATIONAL SYMBOL MARKER TO BE PLACED AT ALL LOCATIONS OF DECK DEPTH MARKERS.



SWIMMING POOL DETAILS

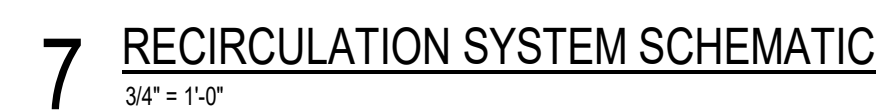
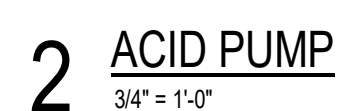
Project number SE-23-915

Date 12.15.202

Drawn by _____ RD _____

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SP5.01

SEAL



1 SMART WAY,
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TENSION DEVELOPMENT/SPICE LENGTHS														
BAR SIZE	BAR GRADE	f _c = 3,000 psi				f _c = 4,000 psi				f _c = 5,000 psi				
		CLASS A (1.0'Ld)		CLASS B (1.3'Ld)		CLASS A (1.0'Ld)		CLASS B (1.3'Ld)		CLASS A (1.0'Ld)		CLASS B (1.3'Ld)		
		CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	CASE 1	CASE 2	
#3	60	25	17	33	22	22	15	28	19	20	13	25	17	
#4	60	33	22	43	29	29	19	37	25	26	17	34	23	
#5	60	42	28	54	36	36	24	47	31	32	26	42	28	
#6	60	50	33	65	43	43	29	56	37	39	26	50	34	
#7	60	72	48	94	63	63	42	81	54	56	38	73	49	
#8	60	83	55	107	73	72	48	93	62	64	43	83	56	
#9	60	93	62	121	81	81	54	105	70	72	48	94	63	
#10	60	105	70	136	91	91	61	118	79	81	54	106	71	
#11	60	116	78	151	101	101	67	131	87	90	60	117	78	

1. THIS TABLE SHALL ONLY BE USED FOR DEVELOPMENT AND SPICE LENGTHS FOR CONCRETE SLABS ONLY.
2. ALL DEVELOPMENT/SPICE LENGTHS ARE IN INCHES.
3. l_d = TENSION DEVELOPMENT LENGTH PER CHAPTER 25 OF ACI 318.
4. CASE 1 SHALL APPLY WHEN THE CONCRETE COVER $> 2 \times d$
5. CASE 2 SHALL APPLY WHEN THE CONCRETE COVER $> 1.5 \times d$ AND CENTER TO CENTER BAR SPACING IS $< 4 \times d$
6. WHEN THE LAP SPACING IS MORE THAN 12" OF FRESH CONCRETE PLACED BELOW THE DEVELOPMENT LENGTH OR SPICE, DEVELOPMENT LENGTH/SPICE LENGTHS TABULATED ABOVE SHALL BE MULTIPLIED BY 1.3.
7. SMALL LAP SPACING BARS OF DIFFERENT SIZES. THE LAP LENGTHS DETERMINED BY THE WELDED BAR, BUT SHALL NOT BE LESS THAN THE CLASS A SPICE LENGTH OF THE LARGER BAR.
8. FOR EPOXY COATED BARS, MULTIPLY DEVELOPMENT/SPICE LENGTH BY 1.5 (THE PRODUCT OF THE TOP BAR MULTIPLIER AND THE EPOXY COATED BAR MULTIPLIER NOT BE MORE THAN 1.7).

CORNER



6 TYPICAL WALL INTERSECTION DETAIL

SEAL

POOL STRUCTURAL DETAILS

SE-23-915

12.15.2023

RD

RE

SP5.03

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