



1 POOL PLAN
1/4" = 1'-0"

POOL LIFT TO BE PENTAIR
AQUATRAM LIFT, OR SIMILAR,
TO MEET THE REQUIREMENTS
OF ADA 1009.2

- POOL NOTES:
1. THE SWIMMING POOL WILL REQUIRE A SEPARATE PERMIT AND SUBMITTAL. ADEQ APPROVAL IS REQUIRED PRIOR TO THE ISSUANCE OF THE POOL PERMIT. SIGNED AND SEALED ENGINEER DRAWINGS FOR THE POOL SHALL BE SUBMITTED TO THE ARCHITECT, THE ENGINEER OF RECORD, AND THE CODE OFFICIAL.
 - 2.

Fitness Pool Data			
P.L. D	Description	Unit	Data
General	Type		General
	Size		16'x28'
	Area	sq ft	440
	Depth		3'-5"
	Perimeter	ft	85
	Volume	gal	13,053
Turnover	Turnover (code)	hr	6.50
	Recirc rate (code)	gpm	35
	Recirc design flow rate	gpm	130
	Design turnover	hr	1.68
Inlets	Inlets per code	#	5
	Number of inlets		6
	Flow rate per inlet	gpm	21.60
	Turnover (inlet supply)	hr	---
Skim	Surface skimming		Skimmer
	Skimmers per code	#	1
	Number of skimmers	#	2
	Equal fitting velocity	fps	1.46
Filtration	Filter area (each)	sq ft	4.91
	Number of filters	#	2
	Filter rate (recirc)	gpm/sf	13.20
	Filters per backwash	#	1
Load	Backwash flow rate	gpm	73.65
	Bather load (code)	#	29.00
	Bather load (posted)	#	29
	Lifeguards req	#	1
San	Dissinfectant		Sodium Hypochlorite
	pH control		Muriatic acid
	UV		No
	CO2 contact time		---

Pool Equipment List										
No.	Qty.	Mfr.	Qty./Size	Description	Bid	Note	VAC	Ph	Amp	
Overflow & Recirculation										
1	2	Pentair	506370	surface skimmer w/ 2" slip ports; float; equalizer; white w/ square deck lid seat	base					
2	2	Aquaster	8HP101	round surpluss suction cover for skimmer equalizer	base					
3	2	Lawson	MLDF1360	floor inlets	base					
4	4	Lawson	MLDFWD2	wall inlets	base					
5	2	Lawson	MLDSG1818	Fiberglass sump/grate; collector tube; hydrostatic relief valve; see schedule	base					
Pool Fittings										
10	2	Pentair	601100	IntelliBrite 5g white LED pool light w/ niche; verify cord length requirement	base	1,2,3	120	1	2	
Deck Equipment										
30	2	Spectrum	35125	2 bend stair rails w/ anchors & escutcheons	base	1				
31	1	Spectrum	36399	24" 3-step HD cross-braced ladder w/ bumpers, anchors & escutcheons	base	1				
32	1	Spectrum	FreedomBP350	ADA2010 pool lift	base	1,13				
33	1 lot	Inlays, inc.	C52000X	Non slip depth & "no diving" markers; 6"x6" ceramic tile; SR (Deck); FT/PN series - see drwg for configuration	base					
Pool Filtration & Water Treatment Equipment										
50	1	Pentair	011018	IntelliFlo VS+SVRS pump (recirc)	base	3	230	1	16	
51	1	Weiss	LF401-60-4L	pressure gauge; complete (recirc)	base					
52	1	Weiss	LF401-V30-4L	vacuum gauge; complete (recirc)	base					
53	2	Pentair	TR1DOC3	high rate sand filter w/ tandem face pipel kit	base					
54	1	Blue-White	Rotameter	pitot tube flowmeter (backwash)	base					
55	1	Prominent	DCM 200	automated chemical control system - complete	base		110	1	5	
56	1	Signet	2536 rotor-X	paddlewheel flow sensor - complete (recirc; to controller)	base	6				
57	1	Aquaticontrol	ELCB00SSWW200	Electronic level controller; single sensing; wet well; complete	base	5	110	1	5	
58	1	Prominent	CNPa1602	Liquid chlorine metering pump w/ shelf	base		110	1		
59	1	Prominent	CNPa1605	acid metering pump w/ shelf	base		110	1		
60	1	Pentair	5000HD	Pool heater; w/ Cupro/nickel heat exchanger ASME certified; to include proper vent kit; see schedule	base	3,6,7	110	1	15	
61	3	Weiss	9VU350140	thermometer w/ well; complete	base					
Safety Equipment										
70	1	Del-June	J8WX24	ring buoy; usga approved 24" white	base					
71	1	---	---	S/S hanger for ring buoy & rope	base					
72	1	---	---	throw rope for ring buoy; 3/16" manila or equivalent; 60' length	base					
73	1	Iron	5000	life hook w/ 12' fixed length handle	base					
74	1	---	---	S/S pole hanger for life hooks	base					
75	1 lot	Approved	---	signage per code	base					
76	1	---	---	first aid kit (per state code)	base					
77	1	Bradley	S19-921	On-Site Gravity-Fed Eyewash station	base					
Cleaning & Maintenance Equipment										
140	1	Pentair	---	Skimmer vacuum adapter kit	base					
141	1	Pentair	---	12" vacuum head w/ 1 1/2 x 12'-0" handle & 1 1/2 x 50'-0" vacuum hose, heavy duty, w/ wheeled hose cart	base					
143	1	Pentair	---	1.8" curved wall brush	base					
144	1	Pentair	---	Skimming net	base					
145	2	Pentair	---	8" to 16" telescopic handle	base					
146	1	Taylor	K-206C	test kit	base					
Pool Finish										
150	1 lot	Approved	---	Coping stone or formed cast-in-place coping	base	11				
Product manufacturers and model numbers are listed to set a level of quality for each item specified. If using alternate manufacturers, it is the responsibility of bidding contractor to meet or exceed specified equipment. The engineer shall be sole judge of whether equipment submitted meets or exceeds specified equipment.										
1	Ground item by electrical contractor									
2	Pool contractor to run conduit and cord 5' outside pool shell for electrical contractor connection									
3	Electrical interconnects by electrical contractor									
4	Service through chemical controller									
5	Service through convenience outlet supplied/installed by electrical contractor									
6	Low voltage connections; coordinate requirements w/ electrical contractor									
7	Plumbing to unit by pool contractor; gas and venting by mechanical contractor									
8	Integral with gutter system									
9	Coordinate layout and installation with deck contractor									
10	Coordinate drain line connection with plumbing contractor									
11	Color by owner, submit samples for selection									
12	Footings in base bid									
13	Plumbing contractor to install spigot in deck box near lift									

Order Plans

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POOL PLAN

HOLIDAY INN EXPRESS & SUITES
 INTERSECTION OF HAYNES PLACE & LAMM RD.
 WILSON, NC 27893

STATUS: BIDDING
 PROJ. DATE: 06-07-19
 PROJ. NO: 18-176
 PRINTED: 6/7/2019 7:12:44 PM
 DRAWN BY: RFF
 CHECKED BY: TGC
 SHEET NO: SP1
 SCALE: 1/4" = 1'-0"

