CODE REQUIREMENTS

CODE REQUIREMENTS

1. ALL CONSTRUCTION RELATED TO THE POOL AND SURROUNDING POOL AREA SHALL BE IN FULL ACCORDANCE WITH THE LAC TITLE 51 XXIV CODE, AND ALL OTHER APPLICABLE CODES, AND STANDARDS.
2. THE POOL WILL BE OUTDOORS IN A SECURED AREA. THE POOL EQUIPMENT WILL BE INDOORS IN A VENTILATED SECURE AREA.

NOTE: GOING FORWARD WITHIN THIS DOCUMENT: ALL SUBSECTIONS REFERENCED FROM THE LAC TITLE XXIV CODE SHALL EXCLUDE "LAC TITLE 51 XXIV CODE" AND LIST ONLY THE SPECIFIC SUBSECTION BEING REFERENCED. IT IS UNDERSTOOD THAT ALL SUBSECTIONS BEING REFERENCED WITHIN THIS DOCUMENT ARE UNDER LAC TITLE 51 XXIV CODE.

DESIGN REQUIREMENTS

3. PER 301.B - THE POOL SHELL SHALL BE WHITE.
4. PER 305.A - ALL POOL WALLS SHALL NOT BE GREATER THAN 11° FROM PLUMB FOR A MINIMUM DEPTH OF 2 FEET 9 INCHES FROM THE WATERLINE IN DEEP AREAS, OR FOR A MINIMUM DEPTH OF 2 FEET 3 INCHES IN THE SHALLOW AREAS.

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5. PER 311.A - THE MINIMUM WATER DEPTH AT THE FOOT OF THE STEPS IS 3'-0".
6. PER 311.C - DEEPEST WATER DEPTH ON THIS POOL IS 3'-4".
7. PER 311.E - DUE TO THE ESTABLISHED WATER DEPTHS, THERE WILL BE NO DIVING ALLOWED IN THIS POOL. ALL WATER DEPTH TILE MARKER LOCATIONS SHALL ALSO INCLUDE A 6"X6" INTERNATIONAL NO DIVING SYMBOL.
8. PER 315.A - THE POOL TURNOVER RATE SHALL BE SIZED AT 1.2 HOURS.
9. PER 323.B - POOL DECK SHALL BE CONSTRUCTED OF SLIP RESISTANT 2' X 2' HONED, ENGINEERED STONE PAVERS. THESE STONE PAVERS SHALL BE SUPPORTED BY 1-1/2" THICK SILCA SYSTEM HEXAGONAL STRUCTURAL UNDERLAYMENT FOR AN ELEVATED DECK. THE DECK SHALL BE ELEVATED 2'-6" ABOVE THE 3RD FLOOR CONCRETE SLAB. THE CONCRETE SLAB SHALL HAVE THE FLOOR SLOPED TO A FLOOR DRAIN.
10. PER 323.F.3 - THE MINIMUM CONTINUOUS UNOBSTRUCTED DECK WIDTH SHALL BE 4 FEET ON 3 SIDES AND A WAIVER FOR THE REMAINING SIDE IS ATTACHED.
11. PER 323.Q - ALL POOL CIRCULATION SYSTEM PIPING SHALL BE TESTED WITH AN INDUCED STATIC HYDRAULIC PRESSURE TEST AT 25 PSI FOR 30 MINUTES, AND SHALL BE PERFORMED BEFORE ANY OF THE PIPING IS COVERED UP. PIPING WILL REMAIN UNDER PRESSURE THROUGHOUT THE ENTIRE DURATION OF THE CONSTRUCTION PROCESS AS MUCH AS FEASIBLY POSSIBLE.
12. PER 323.S - A HOSE BIB WITH A VACUUM BREAKER SHALL BE PROVIDED FOR WASHING DOWN THE ENTIRE POOL DECK AREA.
13. PER 325 - TWO MEANS OF EXIT/EGRESS IS PROVIDED ON THIS POOL BY MEANS OF STAIRS WITH A HANDRAIL AT ONE END, AND STEPS WITH A HANDRAIL AT THE OTHER END. SPACING BETWEEN EACH ENTRY DOES NOT EXCEED 75 LINEAR FEET.
14. PER 327 - ALL STAIR TREADS SHALL BE 10" MINIMUM WITH A SURFACE AREA OF NOT LESS THAN 240 SQUARE INCHES, ALL RISERS SHALL BE UNIFORM WITH A MAXIMUM OF HEIGHT OF 12", WITH THE BOTTOM RISER VARYING NO MORE THAN PLUS OR MINUS 2", ONE HANDRAIL SHALL BE PROVIDED, AND SHALL BE NO MORE THAN 18 INCHES HORIZONTAL DISTANCE FROM THE FACE OF BOTTOM RISER. THE OUTSIDE DIAMETER OF THE HANDRAIL IS 1.90" O.D..

CIRCULATION SYSTEMS

15. PER 501 - ALL POOL EQUIPMENT IS SIZED FOR A 1.2 HOUR TURNOVER, AND ALL POOL EQUIPMENT SHALL MEET NSF 50 PER.
16. PER 503.A- WATER VELOCITY FOR DISCHARGING PIPE SHALL NOT EXCEED 10 FPS, AND THE VELOCITY FOR THE SUCTION PIPING SHALL NOT EXCEED 6 FPS.
17. PER 503.C.1 - THIS POOL SHALL BE PROVIDED WITH A FLOW METER SHOWING FLOW RATE THROUGH THE FILTER SYSTEM IN GALLONS PER MINUTE.
18. PER 505 - PROPERLY SIZED CARTRIDGE FILTER SHALL BE PROVIDED TO MAINTAIN WATER CLARITY.
19. PER 509 - ONE RETURN INLET SHALL BE PROVIDED PER 600 SQUARE FEET OF WATER SURFACE AREA, WITH A MINIMUM OF TWO RETURN INLETS. THIS POOL SHALL HAVE A TOTAL OF 2 RETURN INLETS. TWO MAIN DRAINS ARE TO BE LOCATED AS SHOWN ON PLANS, AND EACH DRAIN AND ASSOCIATED PIPING SHALL ACCOMMODATE THE MAXIMUM FLOW RATE FOR THIS POOL.
20. PER 511 - ALL WALL RETURN INLETS SHALL BE ADJUSTABLE. THE WALL RETURN INLETS SHALL BE LOCATED BETWEEN 10 INCHES AND 15 INCHES BELOW POOL OVERFLOW LEVEL.
21. PER 515 - A SURFACE SKIMMER SHALL BE PROVIDED FOR EVERY 500 SQ. FT. OF WATER SURFACE AREA. 2 EA SURFACE SKIMMERS ARE PROVIDED.

GENERAL STANDARDS

22. PER 701 - ALL DEPTH MARKER REQUIREMENTS FOR THIS CODE SECTION ARE IDENTIFIED ON PLAN SHEETS.
23. PER 703 - THIS CLASS C POOL SHALL UTILIZE A 12FT. LONG STRONG POLE WITH SHEPARD'S HOOK (LIFESAVING HOOK), 60 FT. THROWING ROPE AND RING BUOY, AND TELEPHONE WITH POSTED EMERGENCY NAMES AND NUMBERS.
24. PER 707.A - ALL FRESH WATER SUPPLY LINES, AND BACKWASH LINES SHALL BE SEPARATED BY A 6" MINIMUM AIR GAP, PREVENTING A PHYSICAL CONNECTION OF THE THE FRESH WATER SUPPLY LINE, OR THE BACKWASH LINE TO THE POOL WATER BODY.
25. PER 711 - BACKWASH WATER SHALL BE DISCHARGED INTO A SANITARY SEWER LINE THROUGH A 6" MINIMUM AIR GAP.
26. PER 713.A - POOL CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE LATEST NATIONAL ELECTRICAL CODE.
27. PER 715.A - AREA POOL LIGHTING COMBINED SHALL BE PROVIDED AT NOT LESS THAN 2 WATTS PER SQUARE FOOT OF DECK AREA.
28. PER 733.A - POLE HOOKS, ROPES, BUOYS, FIRST AID KIT, AND OTHER LIFESAVING EQUIPMENT ARE TO BE PROVIDED IN COMPLIANCE WITH CODE.

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DISINFECTION & BACTERIOLOGICAL QUALITY

29. PER 901.A - ALL DISINFECTANT EQUIPMENT SHALL COMPLY WITH NSF STANDARD 50.
30. PER 901.A.2 - THE CHLORINATOR PROVIDING DISINFECTANT TO THE POOL WATER IS TO BE ADJUSTED PENDING FIELD TESTING MEASURES THAT ARE SIMPLE AND ACCURATE.
31. PER 901.C - THE POOL SHALL BE SUPPLIED WITH A CHEMICAL TEST KIT WHICH TESTS ALLOWS FOR TESTING OF ALL LEVELS MENTIONED IN NOTE 66 WITHIN THIS DOCUMENT VIA THE DPD METHOD OF DETECTING CHLORINE RESIDUAL. (TAYLOR TEST KIT K-2006 OR BETTER WILL BE PROVIDED).
32. THE TESTING RESULTS FOR RESIDUALS SHALL MEET THE FOLLOWING.....

- TESTING FOR DETERMINATION OF pH, CHLORINE (TOTAL AND FREE), TOTAL ALKALINITY, AND CALCIUM HARDNESS.
- DISINFECTANT LEVELS AND pH SHALL BE MEASURED TWICE PER DAY, AND HOURLY WHEN POOL IS IN HEAVY USE.
- TOTAL ALKALINITY TO BE MEASURED WEEKLY
- CALCIUM HARDNESS TO BE MEASURED MONTHLY.

LEVEL REQUIREMENTS ARE....

CHLORINE	1.0 ppm MINIMUM
FAC	3.0 ppm MAXIMUM 10 MG/L MAXIMUM
TOTAL ALKALINITY	60 - 180 ppm (MG/l)
CALCIUM HARDNESS	1000 ppm (MG/L) MAXIMUM

GENERAL CONSTRUCTION NOTES

1. FOR ALL FINISHES ON THE POOL AND POOL DECK, REFERENCE THE HARDSCAPE PLANS.
2. ALL POOL DECK DEPTH MARKERS (BOTH DECK MOUNTED AND WALL MOUNTED) ARE IDENTIFIED IN THE POOL PLAN VIEWS AND SECTIONS.
3. DIMENSIONAL LAYOUT PLAN FOR POOL ON SHEET PL-2.1 IDENTIFIES THE LOCATIONS OF ALL SKIMMERS, INLETS, DRAINS, DEPTH CHANGES, DEPTH MARKERS, HAND RAILS.

POOL CALCULATIONS

POOL STATS

POOL VOLUME = 4,000 GALLONS

WATER SURFACE AREA = 176 SQ .FT.

TURNOVER RATE =1.2 HRS

11 BATHERS MAX LOAD CAPACITY

HEAD LOSS CALCULATIONS

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RETURN HEAD LOSS

QTY	UNIT	LISTING DESCRIPTION
0.80	FT	CHECK SWING VALVE
0.06	FT	3 EA BALL VALVES (OPEN)
6.0	FT	CL340 CARTRIDGE FILTER
1.36	FT.	2 EA. 3/4" EYEBALL RETURNS
2.75	FT.	8 EA. SCH 80 90 DEG ELBOWS
0.34	FT.	2 EA. SCH 80 TEES
3.2	FT.	2.0" SCH 80 PIPE (80 LN. FT.)
14.51	FT. TOTAL	

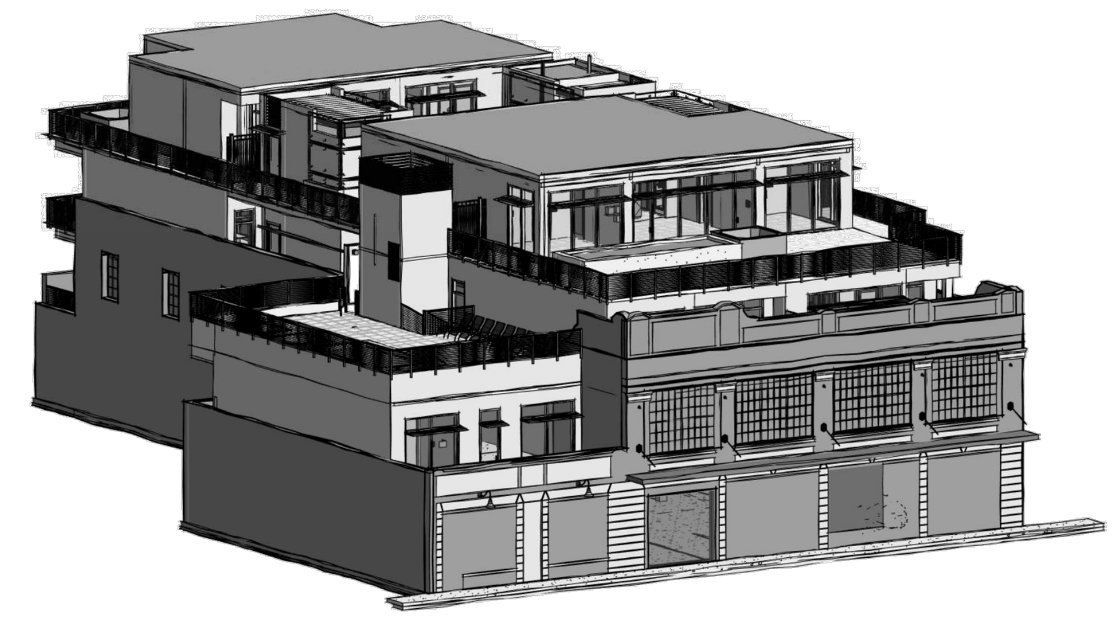
SUCTION HEADLOSS

QTY	UNIT	LISTING DESCRIPTION
2.0	FT.	2 EA. SKIMMER
3.0	FT.	2 EA. MAIN DRAIN
0.02	FT	BALL VALVE (OPEN)
1.96	FT.	8 EA. SCH 80 90 DEG ELBOWS
1.54	FT.	3 EA. SCH 80 TEES
2.58	FT.	2.0" SCH 80 PIPE (60 LN. FT.)
11.10	FT. TOTAL	

TOTAL HEAD LOSS = 25.61 FT

WAX MUSEUM CONDOS

917 CONTI STREET
NEW ORLEANS, LA.



POOL DESIGN DATA

WATER VOLUME =	4,000 GALLONS
TURNOVER RATE =	1.2 HOURS
FLOW RATE =	55 GPM
WATER SURFACE AREA =	176 SQ. FT.
POOL PERIMETER =	74 LN. FT.
TOTAL HEAD LOSS =	25.61 FT.
MAXIMUM BATHER LOAD =	11 PERSONS

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PIPE SCHEDULE

PIPE ID	DESCRIPTION	SIZE	TYPE	FLOW RATE	VELOCITY
A	MAIN SUCTION PIPING	2.0 INCH	SCH 80 PVC	55 GPM	5.62 FPS
B	RETURN LINE 2 INLETS	2.0 INCH	SCH 80 PVC	55 GPM	5.62 FPS
C	SIDEWALL MAIN DRAIN	1.5 INCH	SCH 80 PVC	27.5 GPM(MAX)	4.1 FPS
D	BOTTOM MAIN DRAIN	1.0 INCH	SCH 80 PVC	5.5 GPM (MAX)	2.25 FPS

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SHEET INDEX

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DAMMON ENGINEERING, INC.
LOUISIANA & MISSISSIPPI
www.dammonengineering.com
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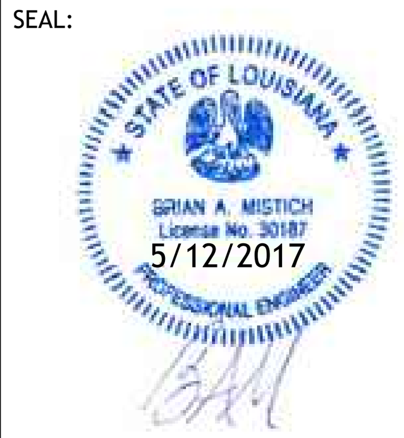
PH: 985.649.5832
Chief Engineer: Brian Mistich, PE
554 Old Spanish Trail
Slidell, LA 70458

REVISIONS

#	DESCRIPTION	DATE
1	Revised Notes	3/22/2017
2	Revised Notes	4/13/2017
3		5/12/2017

SEAL:



NEW POOL
WAX MUSEUM CONDOS
917 Conti Street
New Orleans, Louisiana

JOB No:	2308	DATE:	February 20, 2017
DRAWN BY:	DPD	CHECKED BY:	CKD

SHEET TITLE:
SPECIFICATIONS, NOTES AND POOL DESIGN DATA

DRAWING NUMBER:

G-1.1