

- GENERAL NOTES AND CONDITIONS
- ALL FLOOR & WALLS OF POOL TO BE PNEUMATICALLY APPLIED CONC. WITH A MIN. 28 DAY COMPRESSIVE STRENGTH OF 3000 P.S.I.
  - ALL REINF. STEEL TO CONFORM TO A.S.T.M. A615 GRADE 60.
  - ALL POOL PIPING TO BE SCHEDULE 40 PVC NON THREADED NSF PIPE WITH SOLVENT WELD JOINTS.
  - IN ALL CASES, THE POOL CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PROTECT EXISTING STRUCTURES FROM FAILURE BY SHEATHING AND/OR SHORING, OR OTHER METHODS AS REQUIRED. THE DESIGN ENGINEER ACCEPTS NO RESPONSIBILITY FOR THE SAFETY OF EXISTING STRUCTURES.
  - THE DESIGN ENGINEER ASSUMES NO RESPONSIBILITY FOR POOL CONSTRUCTION IN EASEMENT OR REQUIRED SETBACK AREAS. PLOT PLANS NOT PREPARED FROM LEGAL SURVEYS OF THE EXISTING LOT AND RESIDENCE ARE SO INDICATED. POOL CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN THE FIELD AND ESTABLISH LOT LINES. IF NECESSARY, POOL CONTRACTOR AND/OR OWNER SHALL VERIFY SHOWN AND ALL DIMENSIONS PRIOR TO CONSTRUCTION.
  - CONTRACTOR SHALL ESTABLISH LOCATIONS OF UTILITIES AT THE SITE. MINIMUM CLEARANCE DIMENSIONS SHALL BE HELD AND SHALL BE AS REQUIRED BY THE LOCAL REGULATORY AGENCY. IN GENERAL, HOLD A DISTANCE OF 10 FEET FROM OVERHEAD ELECTRIC LINES TO POOL'S WATER EDGE.
  - ALL POOL ENCLOSURES SHALL CONFORM TO FLORIDA STATUTES 515.27 AND 515.29, AND F.B.C. 6th EDITION, 2017 CHAPTER 4501.17.1 - 15
  - WHERE POOLS ABUT OR ARE PLACED NEARBY SEA WALL OR BULKHEADS, SPECIAL CARE SHALL BE EMPLOYED. THE WALLS SHALL BE IN GOOD CONDITION, NOT PERMITTING ANY SHIFTING OR REMOVAL, OR LOOSENING OF THE SUPPORTING SOIL AWAY FROM THE POOL. IF THE WALLS DO NOT FULLY CONTAIN THE SOILS BEHIND THEM, THEY SHALL BE REPLACED OR REPAIRED. CONTINUAL MAINTENANCE OF THE WALLS IS REQUIRED BY THE PROPERTY OWNER WHEN EXCAVATING FOR THE POOL. THE SEA-WALL TIEBACKS SHALL NOT BE CUT. WHEN DEADMEN FALL WITHIN THE EXCAVATION, NOTIFY THE ENGINEER IMMEDIATELY FOR FURTHER INSTRUCTIONS.
  - THE CONTRACTOR SHALL BACKFILL POOL SHELL WITH CAUTION. THE PLUMBING SHALL NOT BE DISTURBED. BACKFILL SHALL BE PERFORMED WITH CLEAN SAND, FREE OF ORGANIC MATERIALS AND SHALL BE PLACED IN 12 INCH THICK LAYERS. EACH LAYER SHALL BE COMPACTED TO 90% OF THE SOILS MAXIMUM DENSITY BY TAMPERING SOLIDLY. SOILS BELOW THE DECK SHALL BE PLACED IN SIMILAR MANNER.
  - WHERE DECKS ARE INDICATED BY OTHERS, THE DECK DESIGN NOTES SHOWN ON THE TYPICAL SECTION DO NOT APPLY. DECK DESIGN SHALL BE BY OTHERS.
  - DO NOT DRAIN POOL UNDER HIGH GROUND WATER OR STORM CONDITIONS.
  - WARNING! DO NOT EMPTY POOL AFTER CONSTRUCTION FOR REPAIRS OR ANY OTHER REASON BEFORE CONSULTING WITH A POOL OR POOL REPAIR CONTRACTOR. HYDROSTATIC UPLIFT PRESSURES MUST BE ELIMINATED TO PREVENT POOL FROM FLOATING ABOVE GROUND, AND CAUSING DAMAGE TO THE STRUCTURAL INTEGRITY OF THE POOL.
  - THIS PLAN REMAINS THE PROPERTY OF THE DESIGN ENGINEERS. IT IS NOT TRANSFERABLE FROM ONE CONTRACTOR TO ANOTHER WITHOUT THE WRITTEN PERMISSION OF THE DESIGN ENGINEERS.
  - ALL ELECTRICAL WORK SHALL BE DONE IN ACCORDANCE WITH THE F.B.C., 6TH EDITION, 2017, AND ARTICLE 680 N.E.C., 2011 EDITION. ALL BOND WIRES SHALL BE PROTECTED WITH APPROVED MATERIAL. THE CONTRACTOR SHALL INSURE THAT AN ELECTRICAL BONDING INSPECTION IS CALLED FOR AND APPROVED PRIOR TO PLACEMENT OF CONCRETE OVER THE BOND WIRE CONNECTIONS. CONNECTIONS DIRECTLY FROM THE POOL LIGHT TO A TRANSFORMER BOX IS PROHIBITED. ALL METAL PARTS IN THE POOL AREA, IN ADDITION TO ALL METAL DOORS, WINDOWS, SCREENED ENCLOSURES, OR OTHERS ITEMS CONTAINING METAL WITHIN A DISTANCE OF 5 FEET FROM THE POOL WATER'S EDGE, SHALL ALSO BE GROUNDED.
  - POOL LIGHT TO BE GROUNDED TO COMMON BONDING GRID CONSISTING OF (1) #8 CONTINUOUS COPPER WIRE LOOPED AROUND POOL PERIMETER. LOOP SHALL BE GROUNDED TO PANEL VIA POOL WALL STEEL, DECK REINFORCING, AND PUMP MOTOR CASING.
  - FILTER BACKWASH SHALL COMPLY WITH THE FLORIDA BUILDING CODE, 6TH EDITION, 2017.
  - POOL WATER DISPOSAL TO BE IN ACCORDANCE WITH FLORIDA BUILDING CODE, 6TH EDITION, 2017
  - THIS POOL HAS BEEN DESIGNED TO ALL APPLICABLE REQUIREMENTS OF THE ASCE 7-10 STANDARDS.
  - UPON VISUAL INSPECTION SITE SOIL REVEALS A COMBINATION OF UNDISTURBED SAND AND LIMEROCK. AN ALLOWABLE BEARING CAPACITY VALUE OF 2000 PSF HAS BEEN UTILIZED FOR DESIGN PURPOSES.
  - ALL TREADS SHALL HAVE SLIP- RESISTING SURFACES PER ANSI/APSP-2011, 6.1.5
  - ACCESS GATE REQUIREMENTS PER F.B.C. 6TH EDITION, 2017, R4501.17.1 THROUGH R4501.17.1.15
    - GATES SHALL BE EQUIPPED WITH A SELF-LATCHING & LOCKING DEVICE, 54" ABOVE FINISH GRADE ELEVATION.
    - THE DEVICE SHALL BE PLACED ON THE POOL SIDE OF THE GATE.
    - GATES SHALL OPEN OUTWARD AWAY FROM POOL.
    - THE GATE SHALL HAVE NO OPENINGS GREATER THAN  $\frac{1}{2}$ " WITHIN 18" OF THE RELEASE MECHANISM.
  - THIS POOL HAS BEEN DESIGNED TO ALL APPLICABLE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 6TH EDITION 2017 CHAPTER 45 SECTION R4501.
  - TEMPERATURE OF SPA WATER SHALL BE SET SO THAT MAXIMUM WATER TEMPERATURE DOES NOT EXCEED 102 DEGREES FAHRENHEIT.
  - ALL MAIN DRAIN GRATE COVERS, SKIMMERS, VACUUM FITTINGS AND ALL OTHER SUCTION OUTLET SHALL COMPLY WITH ASTM 112-19-8-7 AND ANSI-7 REQUIREMENTS (VGBA COMPLIANT).
  - ENTRAPMENT PROTECTION FOR SUCTION OUTLETS HAS BEEN DESIGNED PER ANSI/APSP-7 2011 AND ASME A112.19.8-2007.
  - AFTER EXCAVATION THE E.O.R. WILL PROVIDE A LETTER STATING THE SOIL BEARING CONDITIONS ARE AS ASSUMED.

- PUMP MOTOR ENERGY EFFICIENCY REQUIREMENTS TO COMPLY WITH F.B.C. 403.9
- PUMP AND PUMP MOTORS MUST BE TWO OR MORE SPEEDS.
  - CONTROLS NEED TO BE CAPABLE OF OPERATING AT A MINIMUM OF TWO DIFFERENT SPEEDS.
  - DEFAULT CIRCULATION MUST BE THE RESIDENTIAL FILTRATION SPEED. THE HIGHER-SPEED OVERRIDE IS NOT TO EXCEED ONE NORMAL CYCLE OR 24 HOURS, WHICHEVER IS LESS.
  - SOLAR POOL HEATING SYSTEMS ARE PERMITTED TO RUN AT HIGHER SPEEDS DURING PERIODS OF USABLE GAIN.
  - SIZE THE PUMP BASED ON: POOL GALLONS/360 MINUTES AND SELECTING A PUMP FROM EITHER THE APSP OR CEC DATABASE WITH CURVE A OR C LISTED FLOWRATE EQUAL TO OR LESS THAN CALCULATED FILTRATION FLOWRATE.
  - A TIME SWITCH MUST BE INSTALLED TO ALLOW POOL OWNERS TO RUN THE POOL FILTRATION PUMP ONLY DURING OFF-PEAK PERIOD AND FOR THE MINIMUM TIME NECESSARY TO MAINTAIN THE WATER IN THE CONDITION REQUIRED BY APPLICABLE PUBLIC HEALTH STANDARDS.
  - FILTERS MUST HAVE A MINIMUM AREA BASED ON THE 6 HOUR TURNOVER FLOW RATE.  
1) POOL GAL/360=FLOW RATE (IN GPM) 2) DIVIDE GPM BY A NUMBER SHOWN TO FIND THE FILTERS MINIMUM SQ FEET CARTRIDGE=375 SAND=15 DE=2
  - MINIMUM DIAMETER OF BACKWASH VALVES MUST BE TWO INCHES OR THE DIAMETER OF THE RETURN PIPE, WHICHEVER IS GREATER.
  - SWEEP ELBOWS ARE RECOMMENDED.
  - RESIZE PIPING SO VELOCITY AT MAX FLOW DOES NOT EXCEED 8 FPS IN THE RETURN LINE AND 6 FPS IN THE SUCTION LINE, AND ALSO MEETS VGB/ANSI-7 ENTRAPMENT AVOIDANCE REQUIREMENTS.
  - POOL PUMP MOTORS SHALL NOT BE SPLIT PHASE, SHADED-POLE OR CAPACITOR START INDUCTION TYPE RUN TYPES.

- FILTRATION AND PLUMBING
- DESIGN FLOW RATE MUST NOT TURN OVER POOL WATER VOLUME IN LESS THAN SIX HOURS OR 36 GPM, WHICHEVER IS GREATER.
  - WATER FLOW VELOCITY AT A MAXIMUM FLOW RATE MUST NOT EXCEED 8 FT/SEC IN THE RETURN LINE AND 6 FT/SEC IN THE SUCTION LINE.
  - SOLAR ACCESS STUBS MUST BE SEPARATED BY A MINIMUM 18" (HORIZONTAL OR VERTICAL) OF STRAIGHT PIPE.
  - BACKWASH OR MULTI-PORT VALVES MUST BE A MINIMUM OF 2" OR THE DIAMETER OF THE RETURN PIPE, WHICHEVER IS GREATER.
  - DIRECTIONAL INLET FITTINGS ARE REQUIRED.
  - FOR POOL FILTRATION PUMPS, A LENGTH OF STRAIGHT PIPE THAT IS AT LEAST 4 PIPE DIAMETERS SHALL BE INSTALLED BEFORE THE PUMP.

- POOL COVERS
- HEATED POOLS AND IN-GROUND SPAS MUST BE EQUIPPED WITH A VAPOR RETARDANT COVER OR OTHER APPROVED MEANS (INCLUDING LIQUID COVERS). HEATING SYSTEMS DERIVING 70% OR MORE OF THEIR ENERGY SOURCE FROM SITE/RENEWABLE MEANS ARE EXEMPT.

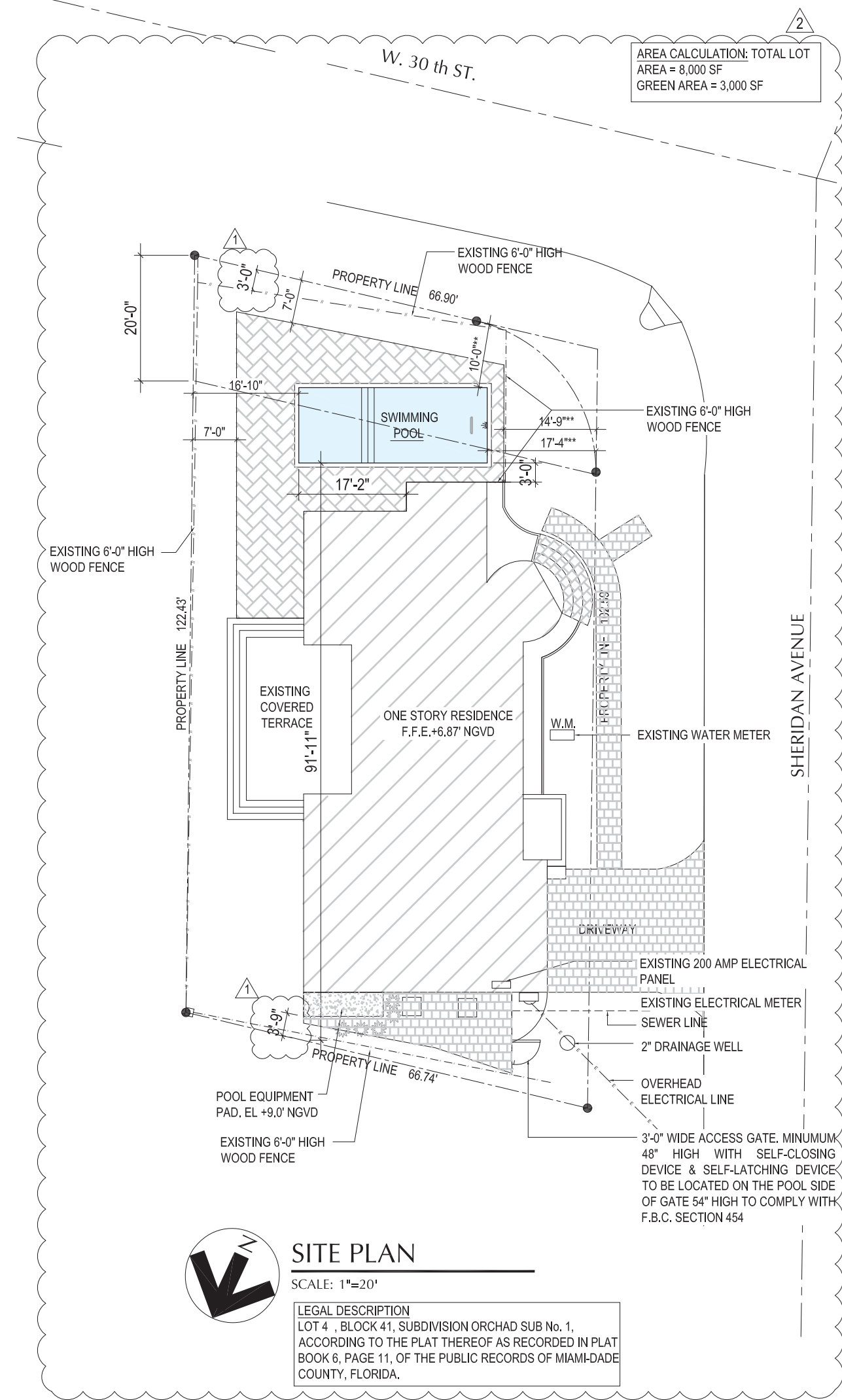
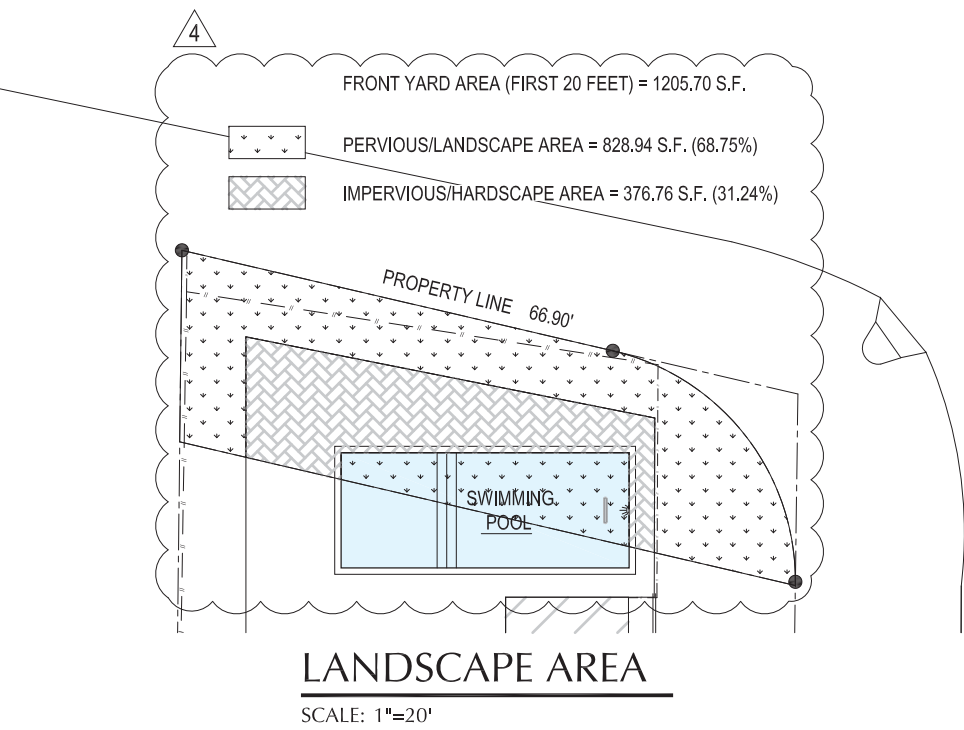
- PUMP CONTROLS
- ALL RESIDENTIAL FILTRATION PUMP CONTROLS FOR USE WITH A MULTI-SPEED PUMP MUST HAVE THE CAPABILITY OF OPERATING A MINIMUM OF TWO SPEEDS WITH A DEFAULT TO THE LOWER/FILTRATION SPEED AFTER ONE NORMAL FILTRATION CYCLE OR 24 HOURS, WHICHEVER IS LESS. (IF EXISTING CONTROLS ARE REPLACED, THE NEW CONTROLS MUST MEET REQUIREMENT.)

- HEATERS
- FOSSIL FUEL/GAS
- 82% MINIMUM FUEL EFFICIENCY FOR GAS-FIRED AND OIL FIRED POOL HEATERS.
  - NO STANDING PILOTS FOR NATURAL OR LP GAS HEATERS.
- HEAT PUMPS
- 4.0 MINIMUM C.O.P. AS PER AHRI 1160 LOW TEMPERATURE TEST.
  - ALL HEATERS MUST BE EQUIPPED WITH A READILY ACCESSIBLE ON/OFF SWITCH ON THE OUTSIDE OF THE HEATER THAT ALLOWS SHUTTING IT OFF WITHOUT ADJUSTING THE THERMOSTAT SETTING.

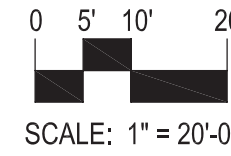
48 HOURS BEFORE DIGGING  
**CALL**  
TOLL FREE  
1-800-432-4770  
SUNSHINE STATE  
ONE CALL CENTER OF FLORIDA

- POOL SPECIFICATIONS:
- Pool Shape: AS SHOWN  
Maximum Length (FT): 30'-0"  
Maximum Width (FT): 12'-0"  
Deep End (FT): 4'-11"  
Shallow End (FT): 0'-8"  
Pool Area(SF): 360.0  
Pool Perimeter(LF): 84'-0"  
Pool Volume (GAL): 10,772  
Turnover Rate(HR): 6 HRS  
Interior Finish: EXPOSED AGGREGATE  
Waterline Tile: 6" x 6"  
Tile Steps: N/A  
Tile on Swimout: N/A  
Coping: T.B.D  
Pump Size: JANDY PHPF 1.0 HP  
2 SPEED, 90 GPM  
Filter System: CARTRIDGE  
Filter Size (SF): CS 200  
Inlets: (3) WALL, (1) FLOOR  
Main Drains: LINEAR  
Vacuum w/Safety Lock: ONE  
Automatic Surface Skimmer: ONE  
Underwater Safety Light: (1) 24 W/ 12V WATERCOLORS LED LIGHTS  
Electrical pool Hookup: BY CONTRACTOR  
Patio Finish: PAVERS ON SAND  
Patio Size (SF): 1,050  
Deck Drain (LF): N/A  
Fence: AS SHOWN
- POOL MISCELLANEOUS ITEMS:
- WINDOWS AND DOOR ALARMS
  - AQUAPURE 1400 SALT CHLORINATOR
  - 3- GAS HEATER 260,000 BTU

- REQUIRED AND PROPOSED SETBACKS
- INTERIOR SIDE YARD SETBACK FOR POOL DECK: 7'-6" REQUIRED, 7'-0" PROPOSED
- FRONT YARD SETBACK FOR POOL DECK: 20'-0" REQUIRED, 7'-0" PROPOSED
- FRONT YARD SETBACK FOR POOL: 20'-0" REQUIRED, 10'-5" PROPOSED.



Digitally signed  
by Ofelia  
Taboada  
Date: 2020.05.26  
12:55:57 -04'00'



- REVISION
- REVISED DATE: 03 / 10 / 2020
- ADDED NOTES AS PER BDC
- REVISION
- REVISED DATE: 05 / 07 / 2020
- AS PER COORDINATION
- REVISION
- REVISED DATE: 05 / 21 / 2020
- PROVIDED REQUIRED AND PROPOSED SETBACKS
  - PROVIDED PERVIOUS AREA CALCULATION

PERMIT SET  
09-16-2019  
SCALE: 1" = 20'-0"

reGENCY pool & spa of FL Inc.  
P.O. BOX 5911

954.583.7373 305.461.0084  
cel:305.684.3804 Fax:954.583.7311

6507 n.w 13th court plantation, FL 33313  
regenpool@aol.com/www.regencypool.com

APSP  
FSPA  
IBAF

NOTICE TO BUILDER

TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THE INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS AND FIELD CONDITIONS PRIOR TO THE START OF THE WORK, AND NOTIFYING THE ENGINEER AT ONCE IN WRITING OF ANY DISCREPANCIES, DISCREPANCIES, INADEQUACIES, OR OMISSIONS PERTAINING TO THE PROJECT. NO ACCEPTANCE OF THE PROJECT INDICATED.

PROJECT NAME:  
MANELA RESIDENCE  
3003 SHERIDAN AVENUE  
MIAMI BEACH, FLORIDA 33140

JOB No.	#
DATE	09-28-2019
DRAWN BY	T.C.
SCALE	AS NOTED
SHEET	SHEET 1 OF 6

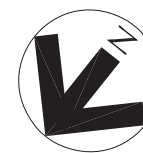
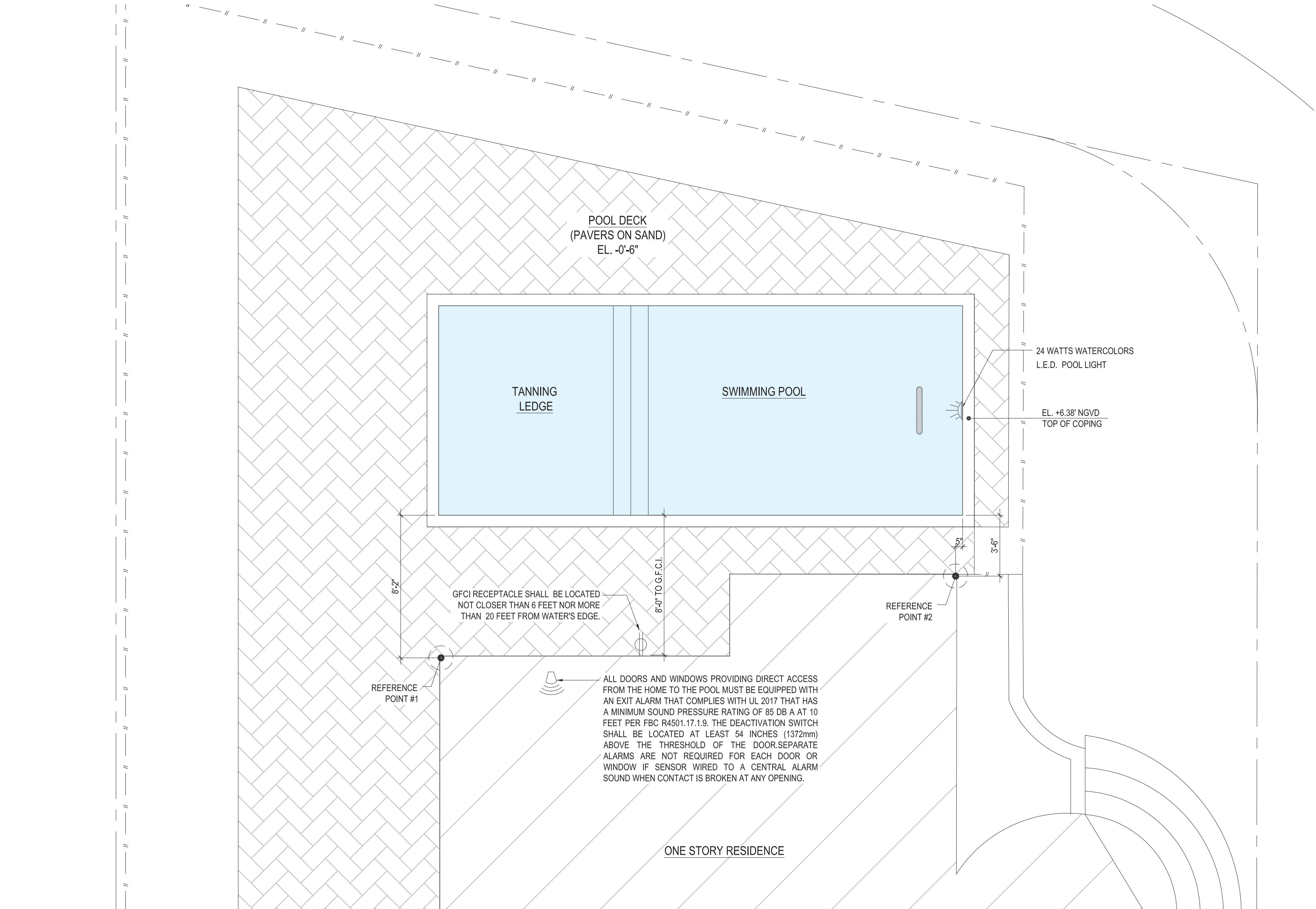
SEAL:

DRAWING NUMBER  
SP-1

OFELIA TABOADA, P.E.  
PROFESSIONAL REG. No. 55339  
CIVIL ENGINEER

AQUADYNAMICS  
DESIGN GROUP INC.  
AQUATIC ENGINEERING CONSULTANTS  
WATER PARK & FAMILY AQUATIC CENTER DESIGN, RESORT, HOTEL & CONDOMINIUM POOL DESIGN  
FORENSIC & EXISTING POOL REPAIRS, DISCREPANCIES, DISCREPANCIES, DISCREPANCIES  
5000 SW 75th AVENUE, MIAMI, FLORIDA 33155 SUITE 103, PHONE: (305) 862-2897, FAX: (305) 862-1902 EB 4884  
EMAIL: H@aquadynamics.biz WEB SITE: www.aquadynamics.biz





## POOL AREA PLAN

SCALE: 1/4" = 1'-0"

Digitally signed  
by Ofelia  
Taboada  
Date: 2020.05.19  
'11:17:42 -04'00



This item has been electronically  
signed and sealed by Ofelia  
Taboada, P.E. using a Digital  
Signature. Printed copies of this  
document are not considered  
signed and sealed and the  
signature must be verified on any  
electronic copies.

PERMIT SET  
09-16-2019

954.583.7373 305.461.0084  
cel:305.684.3804 Fax:954.583.7311  
6507 NW 13th Court Plantation, FL 33313  
regenpool@aol.com/www.regencypool.com

SEAL:

DRAWING  
NUMBER

SP-2

JOB No. #

DATE

DRAWN BY

SCALE

SHEET

PROJECT NAME:

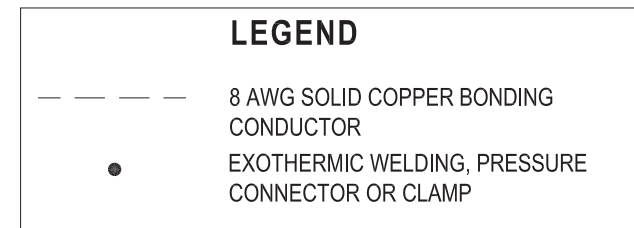
MANELA RESIDENCE  
3003 SHERIDAN AVENUE  
MIAMI BEACH, FLORIDA 33140

NOTICE TO BUILDER

TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THE INFORMATION  
CONTAINED IN THESE DRAWINGS CONFORMS TO THE STANDARDS SET IN  
THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS,  
AND FIELD CONDITIONS PRIOR TO THE START OF THE WORK, AND NOTIFYING  
US IMMEDIATELY IN WRITING OF ANY DISCREPANCIES, OMISSIONS,  
IRREGULARITIES, OR OMISSIONS PERTAINING TO THE SUCCESSFUL  
COMPLETION OF THE PROJECT INDICATED.

**AQUADYNAMICS**  
DESIGN GROUP, INC.

WATERPARKS/AQUATIC ENGINEERING CONSULTANTS  
DESIGN, CONSTRUCTION, MAINTENANCE, AND REPAIRS  
FORENSICS, EVALUATIONS & ANALYSIS/DOCK VULNERATIONS, VARIANCES, PERMITTING, CUSTOM RESIDENTIAL DESIGN  
5000 SW 75th AVENUE, MIAMI, FLORIDA 33155 SUITE #103 PHONE: (305) 867-5875 FAX: (305) 862-1002 EB 4064  
EMAIL: info@aquadynamics.biz WEB SITE: www.aquadynamics.biz



TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THE INFORMATION CONTAINED ON THESE DRAWINGS CONFORMS TO THE STANDARDS SET IN THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, AND FIELD CONDITIONS PRIOR TO THE START OF THE WORK, AND NOTIFYING THE ENGINEER AT ONCE OF ANY AND ALL ERRORS, DISCREPANCIES, IRREGULARITIES, OR OMISSIONS PERTAINING TO THE SUCCESSFUL COMPLETION OF THE PROJECT INDICATED.

MANELA RESIDENCE  
3003 SHERIDAN AVENUE  
MIAMI BEACH, FLORIDA 33140

OFELIA TABOADA, P.E.  
PROFESSIONAL REG. NO. 55339

SP-3

**AQUATIC ENGINEERING CONSULTANTS**  
WATER PARK & FAMILY AQUATIC CENTER DESIGN / RESORT, HOTEL & CONDOMINIUM POOL DESIGN  
FORENSICS, EVALUATIONS & ANALYSIS / DOH VIOLATIONS, VARIANCES, PERMITTING / CUSTOM RESIDENTIAL DESIGN  
5000 SW 75th AVENUE, MIAMI, FLORIDA 33155 SUITE #103 PHONE: (305) 667-4975 FAX: (305) 662-4022 EB 4894



**DESIGN GROUP, INC.**  
**AQUATIC ENGINEERING CONSULTANTS**  
WATER PARK & FAMILY AQUATIC CENTER DESIGN / RESORT, HOTEL & CONDOMINIUM POOL DESIGN  
FORENSICS, EVALUATIONS & ANALYSIS / DOH VIOLATIONS, VARIANCES, PERMITTING / CUSTOM RESIDENTIAL DESIGN  
5000 SW 75th AVENUE, MIAMI FLORIDA 33155 SUITE #103 PHONE: (305) 667-4876 FAX: (305) 662-1002 EB 4694

# POOL PLAN

---

SCALE: 1/4" = 1'-0"

Digitally signed  
by Ofelia Taboada  
Date: 2020.05.19  
'11:17:54 -04'00

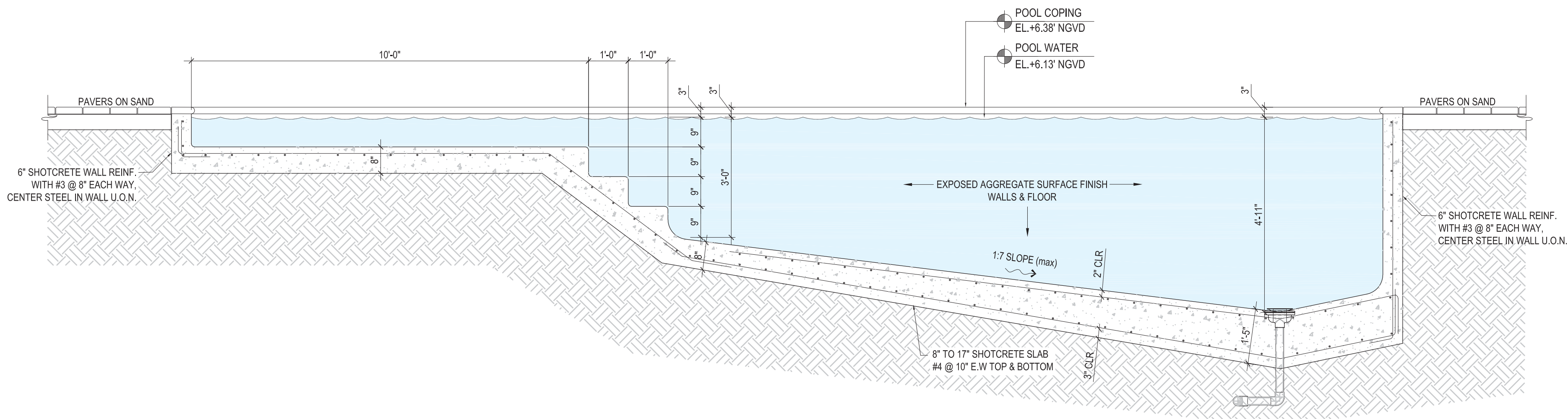


This item has been electronically signed and sealed by Ofelia Taboada, PE, using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on electronic copies.



954.583.7373 305.461.0084  
cel:305.684.3804 Fax:954.583.7311  
6507 nww 13th court plantation, FL, 33313  
negenpool@aol.com/www.nagencypool.com

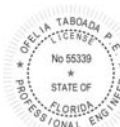




1 SWIMMING POOL SECTION  
SP-4 SCALE: 1/2" = 1'-0"

PERMIT SET  
09-16-2019

Digitally signed  
by Ofelia  
Taboada  
Date: 2020.05.19  
11:18:07 -04'00



This form has been electronically  
signed and sealed by Ofelia  
Taboada, P.E., using a Digital  
Signature. Printed copies of this  
document are not considered  
signed and sealed and the  
signature must be verified on any  
electronic copies.

**regency** pool  
spa of FL Inc  
954.583.7373 305.461.0084  
cel:305.684.3804 Fax: 954.583.7311  
6507 NW 13th Court Plantation, FL, 33313  
regenpool@aol.com/www.regencypool.com

# NOTICE TO BUILDER

TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THE INFORMATION CONTAINED IN THESE DRAWINGS CONFORMS TO THE STANDARDS SET IN THE CONTRACT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, AND FIELD CONDITIONS PRIOR TO THE START OF THE WORK, AND NOTIFYING THE DESIGNER OF ANY DISCREPANCIES, OMISSIONS, OR ERRORS. THE DESIGNER'S RESPONSIBILITY IS LIMITED TO THE DESIGN OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, IRREGULARITIES, OR OMISSIONS PERTAINING TO THE SUCCESSFUL COMPLETION OF THE PROJECT INDICATED.

## PROJECT NAME:

MANELA RESIDENCE  
3003 SHERIDAN AVENUE  
MIAMI BEACH, FLORIDA 33140

## JOB No. #

DATE 08-28-2019  
DRAWN BY T.G.  
SCALE AS NOTED  
SHEET 4 OF 6

## SEAL:

OFELIA TABOADA, P.E.  
15539  
CIVIL ENGINEER

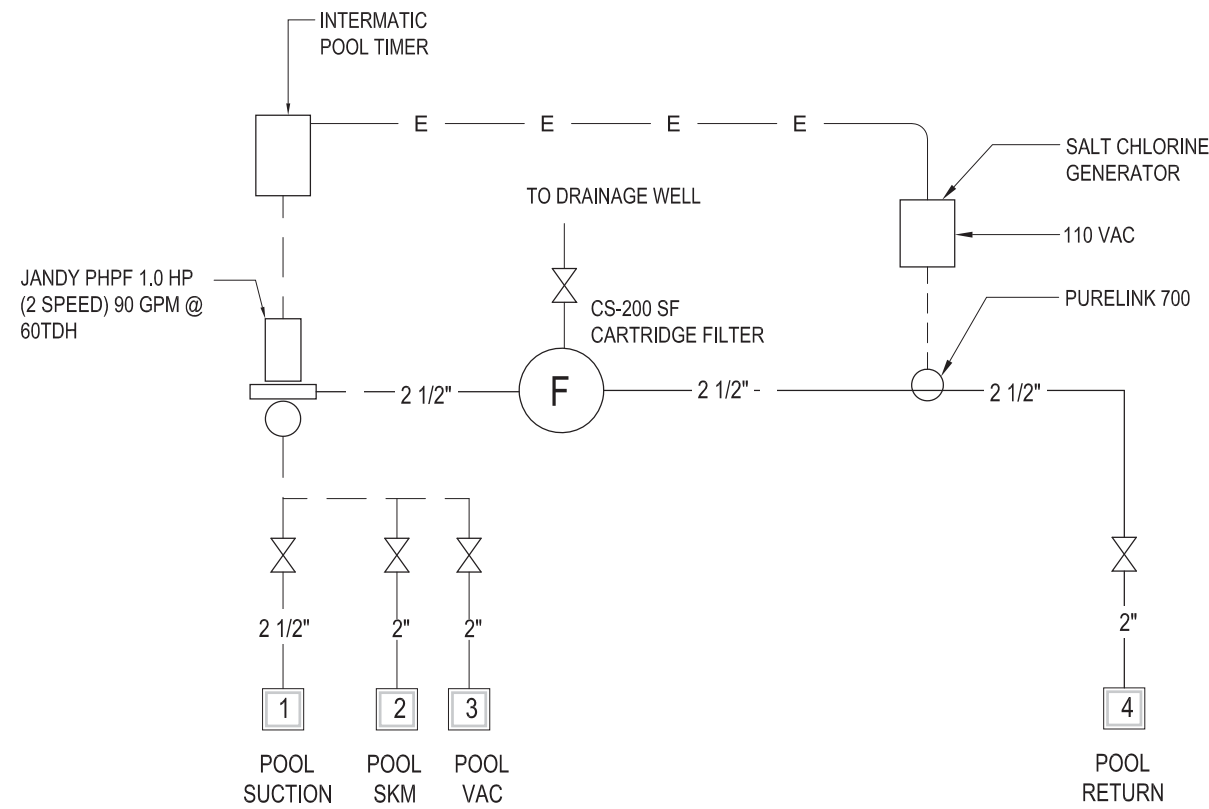
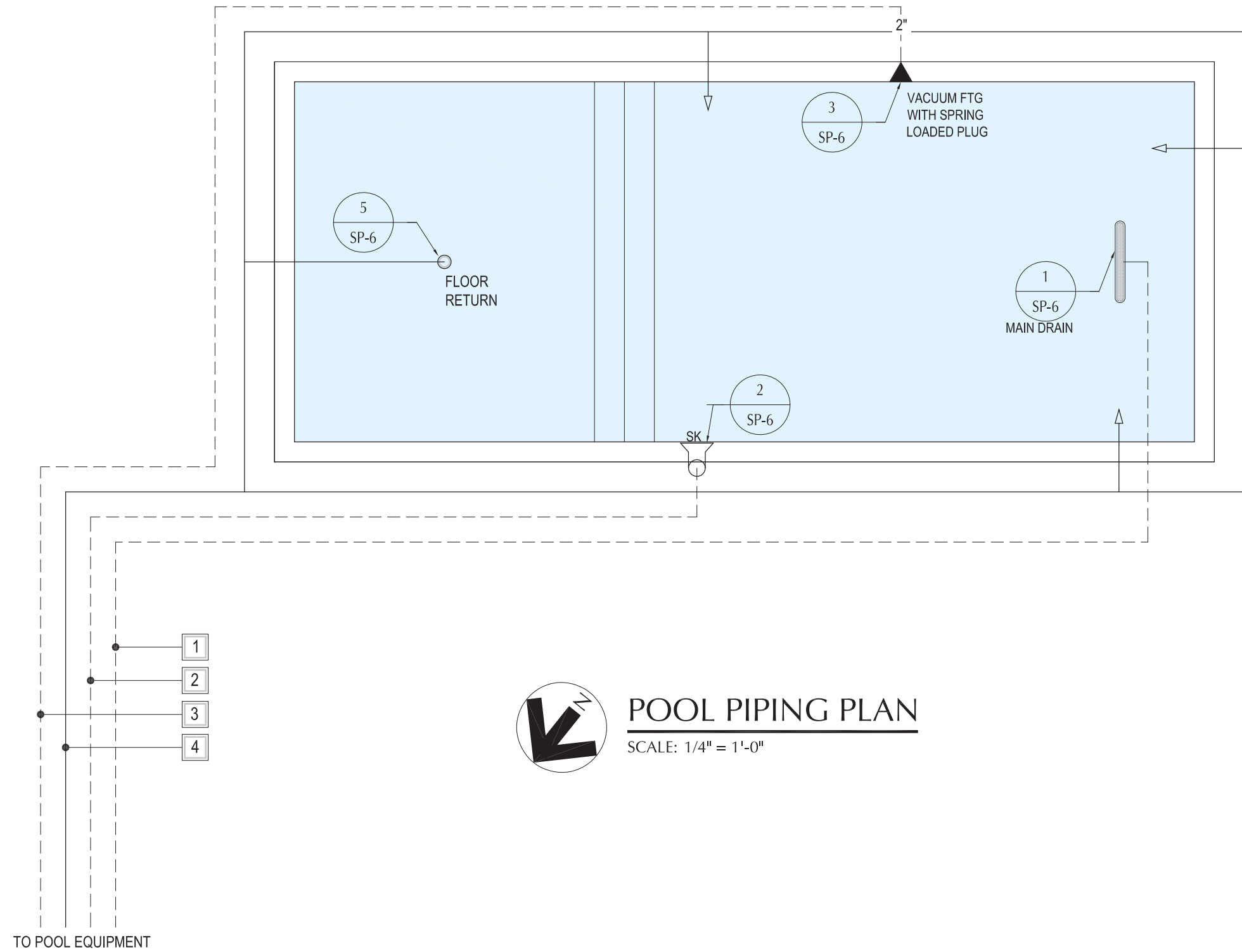
## DRAWING NUMBER

SP-4



DESIGN GROUP, INC.  
AQUATIC ENGINEERING CONSULTANTS  
WATER PAVEMENTS, POOL DESIGN, SPAS, AND  
FORENSICS, EVALUATIONS & ANALYSIS, CONVICTIONS, VARIANCES, PERMITTING, CUSTOM RESIDENTIAL DESIGN  
5000 SW 75th AVENUE, MIAMI, FLORIDA 33155 SUITE #103 PHONE: (305) 867-5875 FAX: (305) 862-1002 EB 404  
E-MAIL: info@aquadynamics.biz WEB SITE: www.aquadynamics.biz





## PLAN LEGEND

- NEW PVC SCHEDULE 40 NSF APPVD. PIPE (SUPPLY LINE) MAX VELOCITY 10 F.P.S.
- NEW PVC SCHEDULE 40 NSF APPVD. PIPE (SUCTION LINE) MAX VELOCITY 8 F.P.S.
- UNBLOCKBLE MAIN DRAIN ASSEMBLY V.G.B SERIES
- 2" VACUUM FITTING WITH VAC LOCK COVER
- TOP LOADING NSF APPROVED SURFACE SKIMMER
- FLOOR RETURN
- NEW 1 1/2" ADJUSTABLE EYEBALL POOL RETURN FITTING

## PIPING LEGEND

I.D. No.	DESCRIPTION	SIZE
1	POOL FILTER SUCTION LINE	2 1/2"
2	SKIMMER LINE	2"
3	VACUUM LINE	2"
4	POOL RETURN LINE FROM FILTER PUMP	2 1/2"

## NOTICE TO BUILDER

TO THE BEST OF OUR KNOWLEDGE AND BELIEF, THE INFORMATION CONTAINED IN THESE DRAWINGS CONFORMS TO THE STANDARDS SET BY THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING ALL DIMENSIONS, AND FIELD CONDITIONS PRIOR TO THE START OF THE WORK, AND NOTIFYING THE DESIGNER OF ANY DISCREPANCIES, OMISSIONS, OR IRREGULARITIES, OR OMISSIONS PERTAINING TO THE SUCCESSFUL COMPLETION OF THE PROJECT INDICATED.

## PROJECT NAME:

**MANELA RESIDENCE**  
3003 SHERIDAN AVENUE  
MIAMI BEACH, FLORIDA 33140

## JOB No. #

DATE: 08-28-2019  
DRAWN BY: T.G.  
SCALE: AS NOTED  
SHEET: 5 OF 6

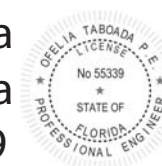
## SEAL:

OVELIA TABOADA, P.E.  
No. 55339  
CIVIL ENGINEER

## DRAWING NUMBER

**SP-5**

Digitally signed  
by Ofelia  
Taboada  
Date: 2020.05.19  
'11:18:22 -04'00

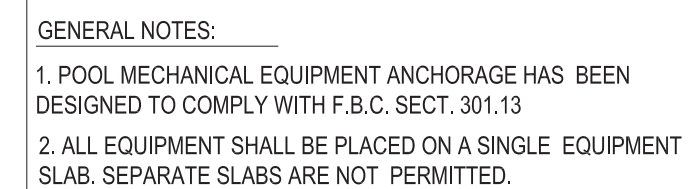
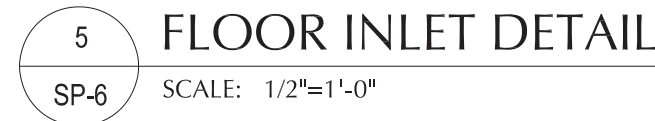


This item has been electronically signed and sealed by Ofelia Taboada, P.E. using a Digital Signature. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

**PERMIT SET**  
09-16-2019

**regency** pool spa of FL Inc  
954.583.7373 305.461.0084  
cel: 305.684.3804 Fax: 954.583.7311  
6507 NW 13th Court Plantation, FL 33313  
regenpool@aol.com/www.regencypool.com

**AQUADYNAMICS**  
DESIGN GROUP, INC.  
AQUATIC ENGINEERING CONSULTANTS  
WATER PUMP, PIPING, ELECTRICAL, PLUMBING, MECHANICAL, DESIGN  
FORENSICS, EVALUATIONS & ANALYSIS, CONSULTATIONS, VARIANCES, PERMITS, CUSTOM RESIDENTIAL DESIGN  
5000 SW 7th Avenue, Miami, Florida 33155 Suite #103 Phone: (305) 867-5875 Fax: (305) 862-1002 EB 404  
Email: info@aquadynamics.biz Web Site: www.aquadynamics.biz



SCALE: N.T.S. FILTER/HEATER/ PUMP

SCALE: N.T.S.

 **regency** pool  
spa of Florida  
CFC056311

 **APSP**

 **FSPA**

 **BASF**

**954.583.7373 305.461.0084**  
tel: 305.684.3804 Fax: 954.583.7311

6507 NW 13th Court Plantation, FL 33313  
regenpool@aol.com/www.regenpool.com

MANELA RESIDENCE  
3003 SHERIDAN AVENUE  
MIAMI BEACH, FLORIDA 33140

OFELIA TABOADA, P.E.  
PROFESSIONAL REG. NO. 5533  
CIVIL ENGINEER

DRAWING  
NUMBER  
SP-6DRAWING  
NUMBER  
SP-6DRAWING  
NUMBER  
SP-6