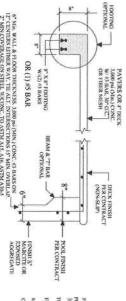


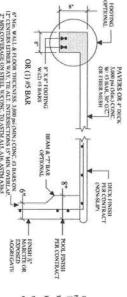
Structural subject to suitable soil condition

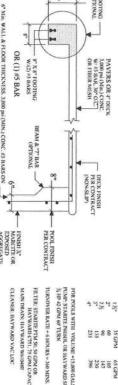
POOL/SPA, DECK, BEAM, WALL, FLOOR N.T.S.

N.T.S.

FOR BONDING AND GROUNDING SYSTEMS FOR SWIMMING POOLS, THE USE OF AN UNDERGROUND BONDING CONDUCTOR NADE OF #8 AWG. BARE SOLID COPPER WIRE BURIED TO A MINIMAM DEPTH OF 4 NCHES TO 6 INCHES SELOW SUBGRAUE, AND 18 TO 24 INCHES FROM INSIDE WALL OF A SWIMMING FOOL OR SPA, IS DEEMED A PERMISSIBLE ALTERNATIVE OOR EQUIVALENT TO COMPLIANCE WITH 8: 680.26(c) OF THE NATIONAL ELECTRICAL CODE.







CLEANER/VAC PIDE SIZE 12" SKIMMER SUCTION PIPE SIZE 2" MAIN SUCTION PIPE SIZE 2"

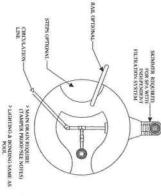
RETURN SUCTION PIPE SIZE 11"

(A)

LOCATION

RESIDENCE

COMPLIES WITH FLORIDA BUILDING CODE, 7TH EDITION (2020)

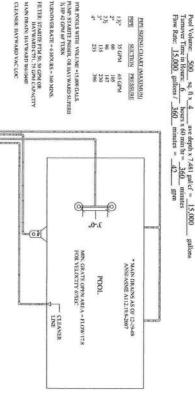


GENERAL SPA PLAN

> NO LIMITATIONS ON SHAPE

ELECTRICAL REQUIREMENTS:

SKIMMER



44242 Bdh

-PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES OR MEET LOCAL CODE IF GREATER.
-RESUDENTIAL SWIMMING BARRIER REQUIREMENTS TO MEET SECTONS 4501.17 -DISINFECTANT EQUIPMENT SHALL COMPLY WITH NSF 50. -WASTE DISPOSAL TO COMPLY WITH SECTION 454.2.10

IT HAS BEEN CERTIFIED THAT THESE DESIGN
REQUIREMENTS ARE IN COMPILANCE WITH THIS
REQUIRAMENTS ARE IN COMPILANCE WITH THE
ANSIAMSPICE 4, ANSIAMSPICE 5, AND ANSIAMSPICE 6 AND
ANSIAMSPICE 7, ANSIAMSPICE 1, ANSIAMSPICE 15 REAL IO MANDATORY)
POOLS & PERMANENT SPA EXTERGY CONSUMPTION
- THE ENERGY CONSUMPTION OF POOLS AND PERMANENT
SPAS SHALL BE IN ACCORDANCE WITH SECTIONS RAD; IO;
THROUGH RUB, IO;

LO21.12.09

13:16:28 -05

MUELLER RESIDENTS 209 SW MARYNIK DR

Standard Residential Pool and/or Spa Design

G.B. COLLINS ENGINEERING P CERTIFICATE OF AUTHORIZATION 2793

SHALL BE IN CONFORMITY WITH THE REQUIREMENTS OF APSPICC 5, APSPICC 4, APSPICC 4, APSPICC 5, AND APSPICC 6 AND APSPICC 7 BASED ON THE POOL TYPE.

DESIGN, CONSTRUCTION AND WORKMANSHIP SHALL BE IN CONFORMITY WITH THE

PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES OR MEET LOCAL CODE IF GREATER. GENERAL DESIGN REQUIREMENTS

-SEE NSPI FOR DIVING WATER ENVELOPES.
-SLIDES SHALL MEET THE MANUFACTURES INSTALLATION REQUIREMENTS.

AQUATIC ENGINEERING CONSULTANTS 300 ALTERNATE 19 NORTH, SUITE A PALM HARBOR, FLORIDA 34683 gb_collins@verizon.net ins@verizon.net (727)-442-8443

FLORIDA BUILDING CODE R4501

SPECIAL SPA REQUIRE

OF C

Mountede P

THE MOD. CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL DETAIL DESIGN REQUIREMENTS FOR EACH INDIVIDUAL PART OF THE PROPERTY OF EACH INDIVIDUAL PART OF THE PROPERTY OF THE PROPE

MAXIMUM WATER DEPTH 4; MAXIM WATER DEPTH 4; MAXIM WATER DEPTH 4; MAXIM WATER DEPTH 4; MAXIM WATER DEPTH 5; 7° MIN R. VR. 12° MAXIM RISER EXCEPT 118 BOTTOM STEP MAY RE OF THE STATE OF THE BOTTOM STEP MAY RE OF THE STATE OF THE

MUST BE DESIGNED FOR A MINIMUM 25 gpm.
THE FOLLOWING SHALL BE LABELED WITH
LABEL MARKER TAPE AT THE FILTER LOCATION:
PIPES, VALVES, PUMP(S) OFF SWITCH.

WERKS AND BONDING AND ALL ELECTRICAL TO COMPLY WITH CHAPTER 27, FLORIDA BULLDING CODE THE IDITION-RESIDENTIAL AND NIC 2017. NO DUTLET OR O'VERHEAD POWER WITHIN 10 HE WITHIN 15 OR O'VERHEAD POWER WITHIN 16 THOUGH THOUGH

N.T.S.

SAMPLE ONLY, EACH APPLICATION FOR PERMIT SHALL BE BASED ON A TOTAL DYNAMIC HEAD OF 60 ft.

gallons

BEND REBAR AROUND SKIMMER NOTCH-OUT FOR CONTINUOUS BEAM (2) #3 BARS

STEEL AS BAR @ 12" O.C.E.W.

MIN, STEEL COVERAG

ALL POOLS WHETHER PUBLIC OR PRIVATE SHALL BE PROVIDED WITH A LADDER OR STEES IN THE SHALLOW END WHEN A WHETHER PUBLIC OR PRIVATE SHALLOW END WHERE AND THE SHALLOW END WHERE THE WATER DEPTH EXCREDS 2 HOCHES (610 MM), IN PRIVATE POOLS WHERE WATER DEPTH EXCREDS 2 FEET (1524 MM) THERE SHALL BE LADDERS, STARS OR FEET (1524 MM) THERE SHALL BE LADDERS, STARS OR WINDERWATER SUCCHES SWIMAOUTS SHALL BE EXCREDED OR LOCATED IN A CORNIER.

CIRCULATION SYSTEMS, COMPONING EQUIPMENT IS TO BE USED. BENCHES SWIMAOUTS SHALL BE EXCREDED OR LOCATED IN A TORNIER SHALL BE AND LESS SHALL BE FANSILL BE FAULL BE TABLE THE SHALL BE PROPOSED FOR THE REQUIRED HOW.

FURES SHALL HAVE AND LESS SHALL MEET ANSILL BE PUMPS 31P AND LESS SHALL MEET AND SOURAE FEET OF SURFACE SHALL BE ONE FOR EVERY 500 SQUARE FEET OF SURFACE AREA. TO THE POOL WATER SHALL BE FROUNDED ON THE BASIS OF AT LEAST ONE PER 340 SQUARE FEET OF SURFACE AREA. TO THE FOOL STRUCTURE OF SURFACE AREA. AND HOS CONSTRUCTED TO INSURE AND SHALL INCORPORATE A CONVENIENT MEANS OF SULAND SHALL INCORPORATE A CONVENIENT MEANS OF SEALING FOR PRESSURE TESTING OF THE POOL.

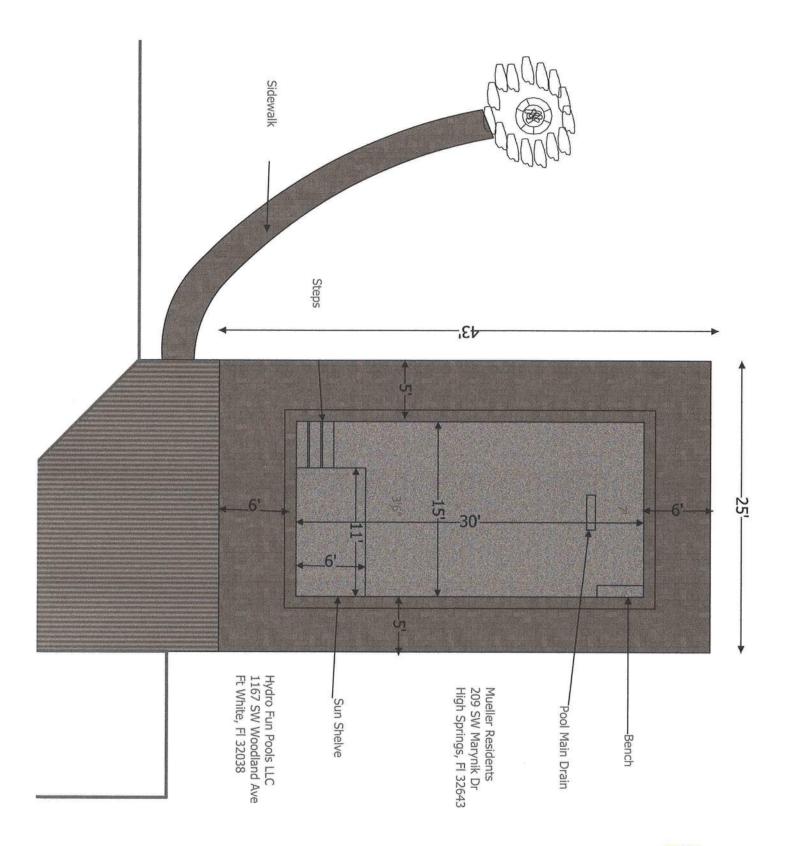
AND SHALL INCORPORATE A CONVENIENT MEANS OF SEALING FOR PRESSURE TESTING OF THE POOL.

SEALING FOR PRESSURE TESTING OF THE POOL.

AND SHALL INCORPORATE A CONVENIENT MEANS OF SEALING FOR PRESSURE TESTING OF THE POOL.

AND SHALL INCORPORATE A CONVENIENT MEANS OF SEALING FOR PRESSURE TESTING OF THE POOL.

HIGH SPRINGS, FL 32643





FLOATS INSTALLED IF _ LESS THAN #-6" WTRANS, & BRASS OR PVC (SEE NOTES) SWIM-OUT OR LADDER REQUIRED (GROWS CU) WHERE DEPTH OVER 5' DEEP (SEE NOTES) GENERAL POOL PLAN POOL SECTION DETAIL 2'-9" Min. ENCEPT FOR SLOPING ENTRIES, 4'-0" Max. N.T.S. NO LIMITATIONS TO SHAPE EXCEPT FOR DIVING 8" Min. TO SLOPE CHANGE 100 ENTRY REQUIRED (SEE NOTES) SKIMMER REBAR, 2 OUT WITH # 8 CU TO PUMP ▲ 11.0° Max. OPTIONAL DECK W/

STEEL AT SKIMMER BEAM DETAIL SKIMMER NOTCH-OUT FOR CONTINUOUS BEAM (2) #3 BARS

FLORIDA BUILDING CODE R4501

SPECIAL SPA REQUIREMENTS:

SKIMMER REQUIRED FOR SPA WITH INDEPENDENT FILTRATION SYSTEM

THE POOL PLAN SHALL SHOW THE DESKIN.

PLUMBING AS BERT HE SAMPLE WITH THE

INFORMATION REQUIRED SHOWN, MAIN DEAD

PLUMBING SHALL BE TWO DRAINS SEPARATED BY Y

WITH APPROVED ANSIAMAE ALILLIS ASJON COVERS, AS

AN ALTERNATE THE APPROVED DRAINS MAY BE

PLACED ON DIFFERENT PLAUS; THE TWO DRAINS

SHALL HAVE A COMMON SUCTION LINE. SUCTION

GRATES MAY BE USED IF APPROVED AT A MAXMUM

OF 1/5 FFR AND THE SUCTION IPING IS RECESSED

FROM THE GRATE THE DESTANCE EQUAL TO THE

BECTTETTON MEDICAL SERVINGERS DO NOT REQUIRE

PROTECTION APPLIES. FOR EACH NUMPUDIAL POOL IN ACCORDANCE WITH THE FLORIDA BUTLING CODE, AND ALL CONSTRUCTION SHALL MEET ALL APPLICABLE CODES INCLUDING FLABRING, ELECTRICAL AND GAS. PIPMOS BALL, HE SCH. APPLC, NSFEW. MAX. PRESSURE VELOCITY 10 FPS, SUCTION 6 FPS.

-MAXIMUM WATER DEPTH 4; MAXIMUM SEAT DEPTH
25° MAX
-LOOR SLOPE 1:12
-LOOR SLOPE 1:12
-LOOR SLOPE 1:15
-LOOR

MUST BE DESIGNED FOR A MINIMUM 25 gpm.
THE FOLLOWING SHALL BE LABELED WITH
LABEL MARKER TAPE AT THE FILTER LOCATION:
PIPES, VALVES, PUMP(S) OFF SWITCH.

POOL TYPE.
-SEE NSPI FOR DIVING WATER ENVELOPES.
-SLIDES SHALL MEET THE MANUFACTURE'S

SHALL BE IN CONFORMITY WITH THE REQUIREMENTS OF APSPICC 3, APSPICC 4, APSPICC 5, AND APSPICC 6 AND APSPICC 7 BASED ON THE DESIGN, CONSTRUCTION AND WORKMANSHIP GENERAL DESIGN REQUIREMENTS

GENERAL SPA PLAN

N.T.S.

> LIGHTING & BONDING SAME AS POOL SAVERS NO SNOLLVLIMET ON STATE

(TAMPER PROOF/SEE NOTES)

CIRCULATION

ELECTRICAL REQUIREMENTS:

T-OUT FOR SKIMMER STEEL AS BAR @ 12" O.C.E.W I'MIN, STEEL COVERAGE

SAMPLE ONLY, EACH APPLICATION FOR PERMIT SHALL BE BASED ON A TOTAL DYNAMIC HEAD OF 60 ft.

Determine System Flow Rate: Minimum Flow Rate Required: 35gpm per skimmer (Required: 1 Skimmer per 800 st)

Proof Volume: 500 sq. ft., 4 ave depth x 7,481 galef = 15,000 gallons
Turnover Time in Hours; 6 hours x 60 min hr = 360 minutes
Flow Rate: 15,000 gallons / 360 minutes = 42 gpm

Hale

SUCTION

35 GPM 60 98 135 235

65 GPM 105 147 230 396 PRESSURE

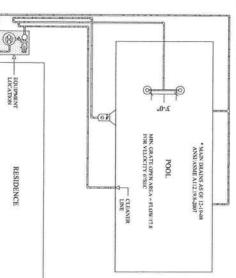
SIBSA, 6-2047

AN UNDERGROUND ROUNDING SYSTEMS FOR SWIMMING POOLS, THE USE OF FAN UNDERGROUND ROUNDING CONDUCTOR MADE OF FIX MYG. RAFES SOLID COPPER WIRE BUILDED TO A MINIMAL DEPTH OF A INCHES FOR ON ELLOW SURGRADE, AND 18 TO 24 INCHES FORM INSUDE WALL OF A SWIMMING POOL OR STA, 18 DEEDERD A PERMISSIBLE A LITERNATIVE OR EQUIVALENT TO COMPLIANCE WITH 8. 880-20(c) OF THE INATIONAL ELECTRICAL CODE.

N.T.S.

OPTIONAL

PAVERS OR 4" DECK 3,000 psi (Min.) CONC W/ 43 BAR, 30" O.C OR FIBER MESH



REQLIO MANDATORY)
POOLS & PERMANENT FOR EXERGY CONSUMPTION
THE ENERGY CONSUMPTION OF POOLS AND PERMANENT
SPASS HALL BE IN ACCORDANCE WITH SECTIONS R4D.10.1
TIRROUGH R4D.10.5.

MEET SECTIONS 4501.17
-WASTE DISPOSAL TO COMPLY WITH SECTION 454.2.10 PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES OR MEET LOCAL CODE IF GREATER.

RESIDENTIAL SWIMMING BARRIER REQUIREMENTS TO -DISINFECTANT EQUIPMENT SHALL COMPLY WITH NSF 50.

ALL POOLS WETTHER CHILDLE OR PRIVATE SHALL BE FROVIDED WITH A LADDER OR STEPS IN THE SHALL OW END WHERE THE WATER DEPTH EXCEEDS S INCHES (6)0 MAN, IN PRIVATE BOOLS WHERE WATER DEPTH EXCEEDS S INCHES (6)1 MAN, IN PRIVATE POOLS WHERE WATER DEPTH EXCEEDS S REET (1624 MAN) IN PRIVATE POOLS WHERE WATER DEPTH EXCEEDS S REET (1624 MAN) IN PRIVATE POOLS WHERE WATER DEPTH EXCEEDS S REET (1624 MAN) IN PRIVATE BOOLS WHERE WATER DEPTH WATER SHALL BE CREEKED OR LOCATED IN A CORNER.

CURCULATION SYSTEMS, COMPONENTS AND WHERE MALVINGATURED VINCE OF SHALL BE FED FOR LOCATED IN A CORNER.

CURCULATION SYSTEMS, COMPONENTS AND PRIVATE BOOLS BENEFIT OR SOUTHER MAXIMUM TURNOVER RATE IS 12 HOURS.

FULTERS SHALL HAVE AN ARRELEASE AND MEET THE REQUIRED FLOW.

SUBFACE SKINMERS SHALL MEET ANSIOLIDIS PRESSURE GAGE.

FUNDES 31 PRAD LESS SHALL MEET NET 90 AND MEET THE REQUIRED FLOW.

SUBFACE SKINMERS SHALL MEET SHALL BE PROVIDED ON THE BASIS OF AT 11 EAST ONE PER 200 SQUARE FEET (28-m2) OF SURFACE AREA.

APPROVED MANUFACULATED DATE OF THE POOL STRUCTURE OF SIGNALL BE DESIGNED AND CONSTRUCTED TO INSURE AN ADSIGNATE SHALL BE DESIGNED AND CONSTRUCTED TO INSURE AN ADSIGNATE SHALL BE DESIGNED AND CONSTRUCTED TO INSURE AN ADSIGNATE SHALL BE DESIGNED AND CONSTRUCTED TO INSURE AN ADSIGNATE SHALL BE DESIGNED AND CONSTRUCTED TO INSURE AN ADSIGNATE SHALL BE DESIGNED AND CONSTRUCTED TO SECULATE OF PROVIDED ON THE SALL TO THE POOL STRUCTURE AND SHALL NICEPORATE A CONVENEURY MEANS OF SELLING FOR PRESSURE TESTING OF THE POOL STRUCTURE AND SHALL NICEPORATE AN ATLEAST TO FET (10-88 MM), HEATER SHALL BE AT 1EAST TO FET (10-88 MM), HEATER SHALL BEFT ANSI-Z21.56 OR UL 1201 OR MUELLER RESIDENTS 209 SW MARYNIK DR

and/or Spa Design

G.B. COLLINS ENGINEERING P.A CERTIFICATE OF AUTHORIZATION 27934

gb_collins@verizon.net (727)-442-8443

WRING AND BONDING AND ALL HEIGTRICAL TO COMPLY WITH CHAPTER 27, FLORIDA BULLDING CODE THE EDITION-RESIDENTIAL AND NIC 2017.

AND OUTLET OR OVERHEAD POWER WITHIN 10 IF WITHIN 19 FROM POOL STABOYEE WATER 1 BOX 9* FROM POOL BRANS TO J BOX OR TRANSFORMER WHICH EVER IS FIRST EXCEPT WHERE PVC IS APPROVED.

COMPLIES WITH FLORIDA BUILDING CODE, 7TH EDITION (2020)

POOL/SPA, DECK, BEAM, WALL, FLOOR

CLEANER VAC PEPE SIZE 13" RETURN SUCTION PIPE SIZE 15"

SKIMMER SUCTION PIPE SIZE 2" MAIN SUCTION PIPE SIZE 2"

N.T.S.

Structural subject to suitable soil conditions

6". MIN. COVERAGE ON STELL WCONC. TO ASTM A15, A16, A5TM A30.

2" MIN. COVERAGE ON STELL WCONC. TO ASTM A15, A16, A5TM A30.5

OR (1) #5 BAR

8° X 8° FOOTING W/(2) #3 BARS

PER CONTRACT

TURNOVER RATE = 6 HOURS = 360 MINS. FOR POOLS WITH VOLUME =15,000 GALS.
PUMP: STARITE PGE/GDL OR HAYWARD SUPERII
N/ HP 42 GPM 60' TURN

CLEANER: HAYWARD VAC LOC FILTER: STARTTE PTM 50, 50 GPM OR HAYWARD C751, 75 GPM CAPACITY MAIN DRAIN; HAYWARD W61048E

Samuel A Liberatore 2021.12.09 13:16:28 -05 \$0'

IT HAS BEEN CERTIFIED HAY THESE DESICN
REQUIREMENTS ARE IN COMPLIANCE WITH THE
FLORIDA BUILDING CODE THE EDITION, RASIL ANSIANSPICC 4, ANSIANSPICC 4, ANSIANSPICC 4, ANSIANSPICC 1, ANSIANSPICC 1, ANSIANSPICC 1, ANSIANSPICC 15.

HIGH SPRINGS, FL 32643 Standard Residential Pool

AQUATIC ENGINEERING CONSULTANTS 300 ALTERNATE 19 NORTH, SUITE A PALM HARBOR, FLORIDA 34683

