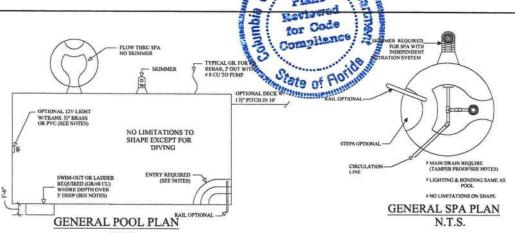
WATER -

EXCEPTION: ROPE AND

FLOATS INSTALLED IF

SB836, 6-20-07

LESS THAN 4'-6"



AND DESCRIPTION OF THE PARTY OF Building

> OR CUT-OUT FOR SKIMME MIN. STEEL COVERAGE POOL SHELL STEEL #3 BAR @ 12" O.C.E.W. BEND REBAR AROUND SKIMMER NOTCH-OUT FOR CONTINUOUS BEAM

STEEL AT SKIMMER BEAM DETAIL N.T.S.

PIPE SIZING CHART (MAXIMUN)

90 135

235

FOR POOLS WITH VOLUME =15,000 GALS. PUMP: STARITE P6E6DL OR HAYWARD SUPERII

TURNOVER RATE - 6 HOURS - 360 MINS.

MAIN DRAIN: HAYWARD W61048

MAIN SUCTION PIPE SIZE 2"

CLEANER/VAC PIPE SIZE 12"

RETURN SUCTION PIPE SIZE 12"

SKIMMER SUCTION PIPE SIZE 2"

CLEANER: HAYWARD VAC LOC

FILTER: STARITE PTM 50, 50 GPM OR HAYWARD C751, 75 GPM CAPACITY

PIPE

21/2

% HP 42 GPM 60' TURN

SUCTION PRESSURE

65 GPM

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 sf)

N.T.S.

PAVERS OR A" DECK FOOTING 3,000 psi (Min.) CONC W/#3 BAR, 30" O.C.] DECK FINISH OPTIONAL PER CONTRACT OR FIBER MESH (NON-SLIP) PER CONTRACT BEAM & "T" BAR 8" X 8" FOOTING W/(2) #3 BARS INISH %" OR (1) #5 BAR MARCITE OR 6" Min. WALL & FLOOR THICKNESS. 3,000 psi (MEN.) CONC. #3 BARS ON 12" CENTERS EITHER WAY, TIE ALT. INTERSECTIONS 15" MIN. OVERLAP 2" MIN.COVERAGE ON STEEL W/CONC. TO ASTM A15. A16. ASTM A36-5 EXPOSED AGGREGATE

8' Min. TO SLOPE CHANGE

POOL SECTION DETAIL

FOR BONDING AND GROUNDING SYSTEMS FOR SWIMMING POOLS, THE USE OF

AN UNDERGROUND BONDING CONDUCTOR MADE OF #8 AWG, BARE SOLID COPPER WIRE BURIED TO A MINIMUM DEPTH OF 4 INCHES TO 6 INCHES BELOW

WITH s. 680.26(c) OF THE NATIONAL ELECTRICAL CODE

SUBGRADE, AND 18 TO 24 INCHES FROM INSIDE WALL OF A SWIMMING POOL OR SPA, IS DEEMED A PERMISSIBLE ALTERNATIVE OR EQUIVALENT TO COMPLIANCE

N.T.S.

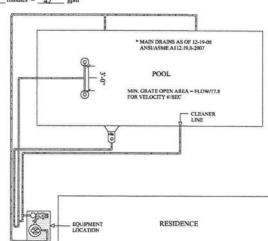
Structural subject to suitable soil conditions,

N.T.S.

2'-9" Min. EXCEPT FOR SLOPING ENTRIES, 4'-0" Mex

SEE NSPL5 RE:

POOL/SPA, DECK, BEAM, WALL, FLOOR



FLORIDA BUILDING CODE R4501

THE POOL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL DETAIL DESIGN REQUIREMENTS FOR EACH INDIVIDUAL POOL IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, AND ALL CONSTRUCTION SHALL MEET ALL APPLICABLE CODES INCLUDING PLUMBING, ELECTRICAL AND GAS. PIPING SHALL BE SCH. 40 PVC, NSFpw, MAX. PRESSURE VELOCITY 10 FPS, SUCTION 6 FPS. THE POOL PLAN SHALL SHOW THE DESIGN PLUMBING AS PER THE SAMPLE WITH THE INFORMATION REQUIRED SHOWN. MAIN DRAIN PLUMBING SHALL BE TWO DRAINS SEPARATED BY 3' WITH APPROVED ANSI/ASME A112.19.8.2009 COVERS. AS AN ALTERNATE THE APPROVED DRAINS MAY BE PLACED ON DIFFERENT PLANES. THE TWO DRAINS SHALL HAVE A COMMON SUCTION LINE. SUCTION GRATES MAY BE USED IF APPROVED AT A MAXIMUM OF 1 ½ FPS AND THE SUCTION PIPING IS RECESSED FROM THE GRATE THE DISTANCE EQUAL TO THE SUCTION PIPE SIZE, SKIMMERS DO NOT REQUIRE PROTECTION AND 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

ELECTRICAL REQUIREMENTS:

-WIRING AND BONDING AND ALL ELECTRICAL TO COMPLY WITH CHAPTER 27, FLORIDA BUILDING CODE NO OUTLET OR OVERHEAD POWER WITHIN 10' IF WITHIN 15' PROTECT BY GFI, TRANSFORMER MIN. 10'

FROM POOL, 8" ABOVE WATER, J BOX 4' FROM POOL BRASS TO J BOX OR TRANSFORMER WHICH EVER IS FIRST EXCEPT WHERE PVC IS APPROVED.

SPECIAL SPA REQUIREMENTS:

-MAXIMUM WATER DEPTH 4', MAXIMUM SEAT DEPTH 28", MAX.

-FLOOR SLOPE 1:12

-STEPS: MIN. TREAD 10" X 12", 7" MIN. RISER, 12" MAX. RISER EXCEPT THE BOTTOM STEP MAY BE 14" IF IT IS THE SEAT, INTERMEDIATE TREADS AND RISERS TO BE UNIFORM. IF THE SPA IS OPERATED INTERMITTENTLY IT SHALL HAVE A ONE HOUR TURNOVER, IF CONTINUOUS A SIX HOUR TURNOVER. -MAXIMUM TEMPERATURE 104 DEGREES

-MEET ANSI/NSPI ARTICLE XVII, SAFETY

INSTRUCTION/SAFETY SIGNS.
-PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES OR MEET LOCAL CODE IF GREATER

GENERAL DESIGN REQUIREMENTS

-DESIGN, CONSTRUCTION AND WORKMANSHII SHALL BE IN CONFORMITY WITH THE REQUIREMENTS OF APSP/ICC 3, APSP/ICC 4, APSP/ICC 5, AND APSP/ICC 6 AND APSP/ICC 7 BASED ON THI POOL TYPE.

SEE NSPI FOR DIVING WATER ENVELOPES. -SLIDES SHALL MEET THE MANUFACTURE'S INSTALLATION REQUIREMENTS.

ALL POOLS WHETHER PUBLIC OR PRIVATE SHALL BE PROVIDED WITH A LADDER OR STEPS IN THE SHALLOW END WHERE THE WATER DEPTH EXCEEDS 24 INCHES (610 MM). IN PRIVATE POOLS WHERE WATER DEPTH EXCEEDS 5 FEET (1524 MM) THERE SHALL BE LADDERS, STAIRS OR UNDERWATER BENCHES/ SWIM-OUTS IN THE DEEP END. WHERE MANUFACTURED DIVING EQUIPMENT IS TO BE USED, BENCHES OR SWIM-OUTS SHALL BE RECESSED OR LOCATED IN A CORNER.

-CIRCULATION SYSTEMS, COMPONENTS AND EQUIPMENT SHALL COMPLY WITH NSF 50. -THE MAXIMUM TURNOVER RATE IS 12 HOURS. -FILTERS SHALL HAVE AN AIR RELEASE AND

PRESSURE GAGE -PUMPS 3 HP AND LESS SHALL MEET ANSI/UL1081 CORROSION RESISTANT WITH STRAINER AND MEET THE REQUIRED FLOW

SURFACE SKIMMERS SHALL MEET NSF 50 AND THERE SHALL BE ONE FOR EVERY 800 SQUARE FEET OF SURFACE AREA.

-APPROVED MANUFACUTRED INLET FITTINGS FOR THE RETURN OF RECIRCULATED POOL WATER SHALL BE PROVIDED ON THE BASIS OF AT LEAST ONE PER 300 SQUARE FEET (28 m2) OF SURFACE AREA, SUCH INLET FITTINGS SHALL BE DESIGNED AND CONSTRUCTED TO INSURE AN ADEQUATE SEAL TO THE POOL STRUCTURE AND SHALL INCORPORATE A CONVENIENT MEANS OF SEALING FOR PRESSURE TESTING OF THE POOL CIRCULATION PIPING. WHEN MORE THAN ONE INLET IS REQUIRED, THE SHORTEST DISTANCE BETWEEN ANY TWO REQUIRED INLETS SHALL BE AT LEAST 10 FEET (3048 MM). -HEATER SHALL MEET ANSI-Z21.56 OR UL 1261 OR UL 559.

-DISINFECTANT EQUIPMENT SHALL COMPLY WITH NSF 50

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

-RESIDENTIAL SWIMMING BARRIER REQUIREMENTS TO MEET SECTIONS 4501.17

-WASTE DISPOSAL TO COMPLY WITH SECTION 454,2.10

R403.10 (MANDATORY)

POOLS & PERMANENT SPA ENERGY CONSUMPTION
- THE ENERGY CONSUMPTION OF POOLS AND PERMANENT SPAS SHALL BE IN ACCORDANCE WITH SECTIONS R403.10.1 THROUGH R403.10.5

IT HAS BEEN CERTIFIED THAT THESE DESIGN REQUIREMENTS ARE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE 7TH EDITION, R4501, ANSI/APSP/ICC 3, ANSI/APSP/ICC 4, ANSI/APSP/ICC 5, AND ANSI/APSP/ICC 6 AND ANSI/APSP/ICC 7, ANSI/APSP/ICC 14, ANSI/APSP/ICC 15.

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

27934

ENGINEERING

COLLINS

G.B.

GLN

SW GOVERNORS

205

NICKELSON

DALE

32024

LAKE CITY, FL

OF AUTHORIZATION CERTIFICATE

> and/or Spa Design Standard Residential

Samuel A iberatore 2022.01.25 09:37:23 -05'00'



Dale Nickelson 205 SW Governors Gln Lake City, FL 32024

North Florida Pools and Spas 709 Duval St NW Live Oak, FL 32064 CPC1459321

