2

O

STRUCTURE

SCALE: N.T.S.

"ANGLE OF REPOSE"
OR SEE CONTRACTOR PLAN

PRESUMED WHEN COMPLIANCE

VERTICAL OR LATERAL SUPPORT FROM ANY FOUNDATION." THEREFORE THE FOLLOWING IS REQUIRED: OFFSET

DEPTH

COMPLIANCE PRESUMED WHEN OFFSET - WITH ET = WATER OFFSET

DEPTH

2

REQUIRED, AND NO SHORING OR FOUNDATION SUPPORT INITIALLY TO PROTECT THE FOUNDATION DURING EXCAVATION OR WHEN THE POOL DECK DISTANCE IS EQUAL TO OR GREATER THAN WATER DEPTH, NO MITIGATION OF THE SHELL STRUCTURE IS STRENGTHEN THE SHELL FROM STRUCTURE LOADS. WHEN THE POOL DECK DISTANCE IS LESS THAN THE WATER DEPTH, REQUIRED. THE ENGINEER SHALL PROVIDE A MITIGATION SPECIFICATION, EITHER

DETERMI

TION E

TRAPMEN

ANSI

COMP

LCULA

REQUI

OF FOUNDATION SUPPORT, THE CONTRACTOR SHALL CEASE EXCAVATION AND CONTACT THE ENGINEER FOR MITIGATION IF DURING EXCAVATION, SOIL CONDITIONS APPEAR TO LEAD TO LOSS

COMPL

ω

IF AFTER EXCAVATION THE CONTRACTOR OR INSPECTOR FIND A LOSS OR THREATENED LOSS OF SOIL SUPPORT AT THE FOUNDATION, CONTACT THE ENGINEER FOR A MITIGATION SPECIFICATION SPECIFICATIONS. PICAL RESIDENTIAL POOL / SPA SCHEMATIC

PLAN

COUNT

REVIEWED

UMBI

NOTE TO

SCALE: N.T.S.

1-1/2 2-1/2 3 4 6

16 38 63 90 138 238 541

51 84 120 185 318 721

PIPE

FPS

FBC NO LONGER REQUIRES EXCAVATIONS OUT OF THE "ANGLE OF REPOSE PLUS 1 FT". THE CURRENT REQUIREMENT IN 7TH ED (2020) FBC, SECTION 1804.1 STATES THAT "EXCAVATIONS SHALL NOT REMOVE

TURNOVER, MIN 36 GPM
"ANSI 15 AUXILIARY FLOW": GREATER
OF SPA JET OR OTHER FEATURE FLOW
"ANSI 5 FLOW": 12 HR TURNOVER OR
OTHER "ESTIMATED/ DESIGN" FLOW "ANSI 7 FLOW": DETERMINED ONLY BY TDH CALC (E.G. MAX POTENTIAL FLOW)
"ANSI 15 FILTRATION FLOW": 6 HR PIPE FLOW AT GIVEN VELOCITY (GPM) SUCTION OUTLETS "ANSI 7 FLOW" DRAIN BRANCH PIPING MIN. SIZE "ANSI 15 FLOW" @ 6 FPS BRANCH MIN. SIZE "ANSI 15 FLOW" @ 6 FPS 5 OPTIONAL VACUUM
FITTING MUST
HAVE SPRING
LOADED COVER STEP REQ'D ON SPA BENCH UNLESS RAISED 12" OR MORE SPA WEIR

NOTE: CONT. (3) #3 STEEL OF SPA BEAM VERTICALLY DOWN & UNDER THE ELEVATION OF THE SPA WEIR SEE ANSI 5 FOR STEP REQUIREMENTS - MIN 240 SQ IN, MAX 12" RISERS TO 4FT WD TOP STEP MAX 17
DECK TO SHELF

ELE

IF NO WEIR OVERFLOW TO POOL, A SKIMMER MUST BE USED IN SPA

• POOL SHALL MEE CRITERIA IN AN BONDING OF POOF POOTING STEEL TO & INCLUDE ALITO & MAINT CHILARE SHALLED.

 TEMPORARY FENCE AND ARE INSTALLED.

 ARE INSTALLED.

 THERE SHALL BE A & CHILD SAFETY FERIOR TO FILLING WITH WATER OL SHALL MEET THE APPLICABLE RITERIA IN ANSI/APSP 3,4,5,6, 7 & 15 ANDARDS ADOPTED IN 7TH ED. (2020) E A PASSING ELECTRICAL Y FINAL INSPECTION ING THE POOL OR SPA

AEPLICABLE RI OF THE CRITERIA HERE, T SHALL COMPLY WITH ALL F THE 7TH ED. (2020) FBC -., BUILDING, MECHANICAL, GAS CODES, AS RESPECTIVELY & AMENDED.

FIELD CO COMPLIANCE OMPUNIC SEE INFORMATION ATTACHED TO THIS DETAILS SHOWING ANSI 7 & 15 AND FBC COMPLIANCE CODE REGARDLESS OF THE PROJECT SHEETIONS OF THE PROJECT SHEETING THE PROJECT SHEET

 ALL SUCTION COVERS SHALL MEET ANSI/APSP/ICC-16 2017
 ALL PIPING SHALL BE NSF-PW APPROVED & MEET THE REQUIREMENTS OF 7TH ED. (2020) FBC. (2020) FBC. LECTRICAL EQUIPMENT, WIRING, & INSTALLATION SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE 2017 OOL STEEL & LIGHT TO EL SHALL BE CONTINUED E ALL PUMPS & HEATERS. ENCING SHALL BE MAINTAINED UNTIL CHILD SAFETY FEATURES ARE THIS DOCUMENT VALID ONLY 12 MONTHS FROM DATE SIGNED

FOR USE IN: VARIOUS JURISDICTIONS

FUN STATE POOLS, INC.

TYPICAL PLAN & SECTIONS FOR RESIDENTIAL POOL/SPA



3990 SR 64 E. Bradenton, FL 34208 Office: 941-749-0311 C.A. 27189

SHALL MEET

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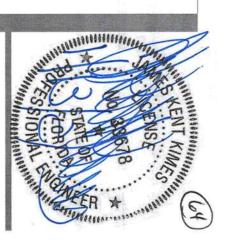
DATE PROJ. NO.:

DWG BY: KE_RSTD

CKD BY: MCM

DESCRIPTION DRAWING:

JKK 01-Jan-21 21-Dec-20



I PUMPS SELECTED TO 12 HR. TURNOVER & TURNOVER.

FROM ATTACHED

PUMP SIZED BY ANSI 15 SELECTED FROM APSP LISTING AT "ANSI 15 FILTRATION FLOW" (AT LOW SPEED)

SUCTION OUTLETS OUTLETS

MIN (1) PER 300 SF

LOWIE @ 8 FPS

BOND WIRE AROUND POOL / SPA 4"-6" BELOW SUBGRADE 18"-24" FROM SHELL & BONDED @ (4) POINTS MIN TO POOL PER "ALTERNATIVE MEANS" NEC

OR A SINGLE UN

 OR A SINGLE UN

 OR A SINGLE UN

SHEETS.
ETERMINED FROM
JORK SHEETS.
AINS SHALL HAVE A
AINS SHALL HAVE A
FOR 3 FT, UNLESS
FOR ON A VERTICAL WALL
UNBLOCKABLE DRAIN IS

680.26(B)(2)(b) INSTALL AFTER BACKFILL &

COMPACTION

USED

(4) PIPE DIA. MIN. -STRAIGHT PIPE SIZED BY "ANSI 15 FLOW" @ 6 FPS

MIN. FILTER SIZE @ "ANSI 15 FLOW"

MIN. 18" STRAIGHT (HORIZ. OR VERT.) FOR FUTURE SOLAR PRIOR TO HEATER

RECIRCULATION RETURNS MIN SIZE "ANSI 15 FLOW" @ 8 FPS

SWIMOUT WHEN POOL DEPTH EXCEEDS 5 FT

• (1) MIN PER 800 SF
• SUCTION MIN SIZE "ANSI 15 FLOW" @ 6 FPS
• MAY BE OMITTED IF "NEGATIVE EDGE" OR
OTHER WEIR USED

"ANSI 15 FLOW" @ 6 FPS

PIPE SIZE CRITERIA (FPS)
Pressure Suction
ANSI 5
8
8
ANSI 15
8
6

NOTES:

THIS PLAN IS SCHED BE CONNECTED

POOL PIPING SHAWATER OR AIR I

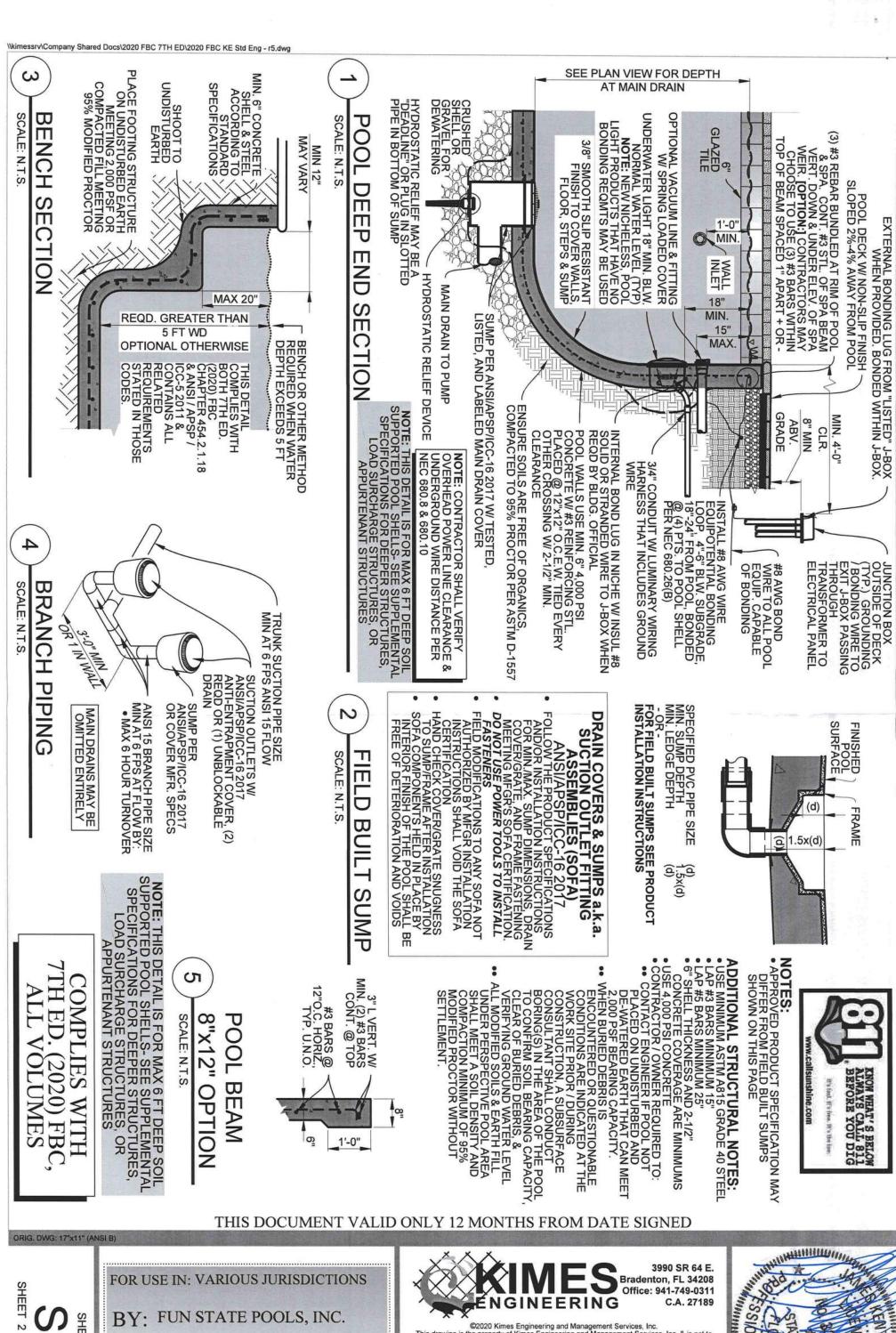
SCHEMATIC & PIPING SHALL IED TO PROVIDE A G SYSTEM.
SHALL HOLD A STATIC SHALL HOLD A STATIC IESS IR PRESSURE NOT LESS FOR 15 MINUTES, PER

SHEET 1

유

2

ORIG. DWG: 17"x11" (ANSI B)



SHEET 2 SHEET

TYPICAL SECTIONS FOR RESIDENTIAL POOL/SPA ©2020 Kimes Engineering and Management Services, Inc.

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