

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

DEPTH

 THIS PLAN IS SCHEMATIC & PIPING SHALL BE CONNECTED TO PROVIDE A FUNCTIONING SYSTEM.

 POOL PIPING SHALL HOLD A STATIC WATER OR AIR PRESSURE NOT LESS THAN 35 PSI FOR 15 MINUTES. PER R4501.12.1

ATTACHED WORK SHEETS.

• DUAL MAIN DRAINS SHALL HAVE A MINIMUM SEPARATION OF 3 FT. UNLESS ONE IS LOCATED ON A VERTICAL WALL OR A SINGLE UNBLOCKABLE DRAIN IS USED.

• 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.
• ELECTRICAL EQUIPMENT, WIRING, & INSTALLATION SHALL CONFORM TO THE NFPA 70- 2017 EDITION.

• BONDING OF POOL STEEL & LIGHT TO FOOTING STEEL SHALL BE CONTINUED TO & INCLUDE ALL PUMPS & HEATERS.

• TEMPORARY FENCING SHALL BE **INSTALLED & MAINTAINED UNTIL** PERMANENT CHILD SAFETY FEATURES ARE INSTALLED.

THERE SHALL BE A PASSING ELECTRICAL & CHILD SAFETY FINAL INSPECTION PRIOR TO FILLING THE POOL OR SPA WITH WATER.

POOL SHALL MEET THE APPLICABLE CRITERIA IN ANSI/APSP 3,4,5,6, 7 & 15 STANDARDS ADOPTED IN 7TH ED. (2020)

 REGARDLESS OF THE CRITERIA HERE, THE PROJECT SHALL COMPLY WITH ALL SECTIONS OF THE 7TH ED. (2020) FBC -RESIDENTIAL, BUILDING, MÈCHANICAL, PLUMBING & GAS CODES, AS APPLICABLE RESPECTIVELY & AMENDED.

SEE INFORMATION ATTACHED TO THIS PERMIT PACKAGE FOR SITE SPECIFIC **DETAILS SHOWING ANSI 7 & 15 AND FBC COMPLIANCE**

NOTE TO REVIEWER **DETAILED TDH CALCULATIONS ARE** REQUIRED TO **DETERMINE ANSI 7-**SUCTION ENTRAPMEN **COMPLIANCE**

> **COMPLIES WITH** 7TH ED. (2020) FBC, ALL VOLUMES

R4501.12.1
POOLS SHALL HAVE PUMPS SELECTED PROVIDE MINIMUM 12 HR. TURNOVER & MAXIMUM 6 HOUR TURNOVER.

DETERMINE PIPE SIZING FROM ATTACHED ANSI WORK SHEETS.

ANSI WORK SHEETS.

Signed and Sealed and Sealed and Complete Complete

SR FL3

3990 ton, F 941-

DRAWING: 01-Jan-21

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DWG

RSTD.:

ECTIONS 200L/SPA

Building Plans Reviewed for Code Compliance

Columbia

PROXIMITY TO STRUCTURE

COMPLIANCE

"ANGLE OF REPOSE"

OR SEE CONTRACTOR PLAN

PRESUMED WHEN

OFFSET = WATER

WATER DEPTH. NO MITIGATION OF THE SHELL STRUCTURE IS REQUIRED. AND NO SHORING OR FOUNDATION SUPPORT INITIALLY REQUIRED. WHEN THE POOL DECK DISTANCE IS LESS THAN THE WATER DEPTH,

WHEN THE POOL DECK DISTANCE IS EQUAL TO OR GREATER THAN

THE ENGINEER SHALL PROVIDE A MITIGATION SPECIFICATION, EITHER TO PROTECT THE FOUNDATION DURING EXCAVATION OR STRENGTHEN THE SHELL FROM STRUCTURE LOADS.

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

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.

SCALE: N.T.S.

COMPLIANCE

DEPTH

PRESUMED WHEN

OFFSET = WATER

SHEET 1 OF 2

FINISHED **FRAME POOL** SURFACE . 5x(d) **p**

SPECIFIED PVC PIPE SIZE MIN. SUMP DEPTH MIN. LEDGE DEPTH

FOR FIELD BUILT SUMPS SEE PRODUCT **INSTALLATION INSTRUCTIONS**

1.5x(d)

DRAIN COVERS & SUMPS a.k.a. SUCTION OUTLET FITTING

ASSEMBLIES (SOFA)
ANSI/APSP/ICC-16 2017
FOLLOW THE PRODUCT SPECIFICATIONS
AND/OR INSTALLATION INSTRUCTIONS FOR MIN./MAX. SUMP DIMENSIONS, DRAIN COVER/GRATE, AND FRAME FASTENING MEETING MFGR'S SOFA CERTIFICATION.

DO NOT USE POWER TOOLS TO INSTALL **FASTENERS**

FIELD MODIFICATIONS TO ANY SOFA NOT AUTHORIZED BY MFGR INSTALLATION INSTRUCTIONS SHALL VOID THE SOFA

CERTIFICATION
HAND CHECK COVER/GRATE SNUGNESS
TO SUMP/FRAME AFTER INSTALLATION

SOFA COMPONENTS HELD IN PLACE BY INTERIOR FINISH OF THE POOL SHALL BE FREE OF DETERIORATION AND VOIDS

KNOW WHAT'S BELOW ALWAYS CALL 811 BEFORE YOU DIG R's forct. If a free, R's the law www.callsunshine.com

NOTES:

APPROVED PRODUCT SPECIFICATION MAY DIFFER FROM FIELD BUILT SUMPS SHOWN ON THIS PAGE

ADDITIONAL STRUCTURAL NOTES: USE MINIMUM ASTM A815 GRADE 40 STEEL

• LAP #3 BARS MINIMUM 15"

• LAP #5 BARS MINIMUM 25'

6" SHELL THICKNESS AND 2-1/2"
 CONCRETE COVERAGE ARE MINIMUMS

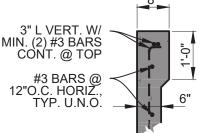
USE 4.000 PSI CONCRETE

 CONTRACTOR / OWNER REQUIRED TO:
 CONTACT ENGINEER IF POOL NOT PLACED ON UNDISTURBED AND DE-WATERED EARTH THAT CAN MEET 2,000 PSF BEARING CAPACITY.

•• WHEN BURIED DEBRIS IS **ENCOUNTERED OR QUESTIONABLE** CONDITIONS ARE INDICATED AT THE WORK SITE PRIOR / DURING CONSTRUCTION, A SUBSURFACE CONSULTANT SHALL CONDUCT BORING(S) IN THE AREA OF THE POOL TO CONFIRM SOIL BEARING CAPACITY, CLEAR OF BURIED DEBRIS, & VERIFYING GROUND WATER LEVEL

 ALL MODIFIED SOILS & EARTH FILL
 UNDER PERSPECTIVE POOL AREA
 SHALL MEET A SOIL DENSITY AND
 SHALL MEET A SOIL DENSITY AND COMPACTION MINIMUM OF 95% MODIFIED PROCTOR WITHOUT SETTLEMENT.

#3 BARS @ 12"O.C. HORIŽ TYP. U.N.O.



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SCALE: N.T.S.

NOTE: THIS DETAIL IS FOR MAX 6 FT DEEP SOIL

SUPPORTED POOL SHELLS- SEE SUPPLEMENTAL

SPECIFICATIONS FOR DEEPER STRUCTURES,

LOAD SURCHARGE STRUCTURES, OR APPURTENANT STRUCTURES

POOL BEAM

8"x12" OPTION

FIELD BUILT SUMP

SCALE: N.T.S.

APPURTENANT STRUCTURES

TRUNK SUCTION PIPE SIZE DRAIN 3'-0" MIN WALL

MIN AT 6 FPS ANSI 15 FLOW SUCTION OUTLETS W/ ANSI/APSP/ICC-16 2017 ANTI-ENTRAPMENT COVER, (2) REQD OR (1) UNBLOCKABLÉ SUMP PER ANSI/APSP/ICC-16 2017 OR COVER MFR. SPECS

> ANSI 15 BRANCH PIPE SIZE MIN AT 6 FPS AT FLOW BY: MAX 6 HOUR TURNOVER

MAIN DRAINS MAY BE **OMITTED ENTIRELY**

COMPLIES WITH 7TH ED. (2020) FBC, ALL VOLUMES SEE DIGITAL SIGNATURE ON **INDEX SHT S1**

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DWG BY: REV. DAT PROJ.NO.: KE_RSTD

DRAWING: 01-Jan-21

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TYPICAL SECTIONS RESIDENTIAL POOL/SPA FOR

SHEET

SHEET 2 OF 2

FUN-STATE POOLS, INC.

OF

USE

FOR BY:

03/1

XPIRES

SCALE: N.T.S. MIN 12" MAY VARY BENCH OR OTHER METHOD REQUIRED WHEN WATER **DEPTH EXCEEDS 5 FT** MIN. 6" CONCRETE SHELL & STEEL THIS DETAIL ACCORDING TO COMPLIES WITH STANDARD -BOTH 7TH ED. **SPECIFICATIONS** ER. (2020) FBC CHAPTER 454.2.1.18 GREATI & ANSI / APSP / ICC-5 2011 & SHOOT TO 5 FT OPTIONAL CONTAINS ALL UNDISTURBED RELATED **EARTH** REQD. REQUIREMENTS STATED IN THOSE PLACE FOOTING STRUCTURE CODES ON UNDISTURBED EARTH MEETING 2,000 PSF OR COMPACTED FILL MEETING 95% MODIFIED PROCTOR **BENCH SECTION**

SCALE: N.T.S.

POOL DEEP END SECTION

BRANCH PIPING

SCALE: N.T.S.