

SPECIFIED PVC PIPE SIZE (d)

MIN. SUMP DEPTH 1.5x(d)

MIN. LEDGE DEPTH (d)

- OR -

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

### 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 MFG'S SOFA CERTIFICATION.
- DO NOT USE POWER TOOLS TO INSTALL FASTENERS**
- FIELD MODIFICATIONS TO ANY SOFA NOT AUTHORIZED BY MFG'S 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



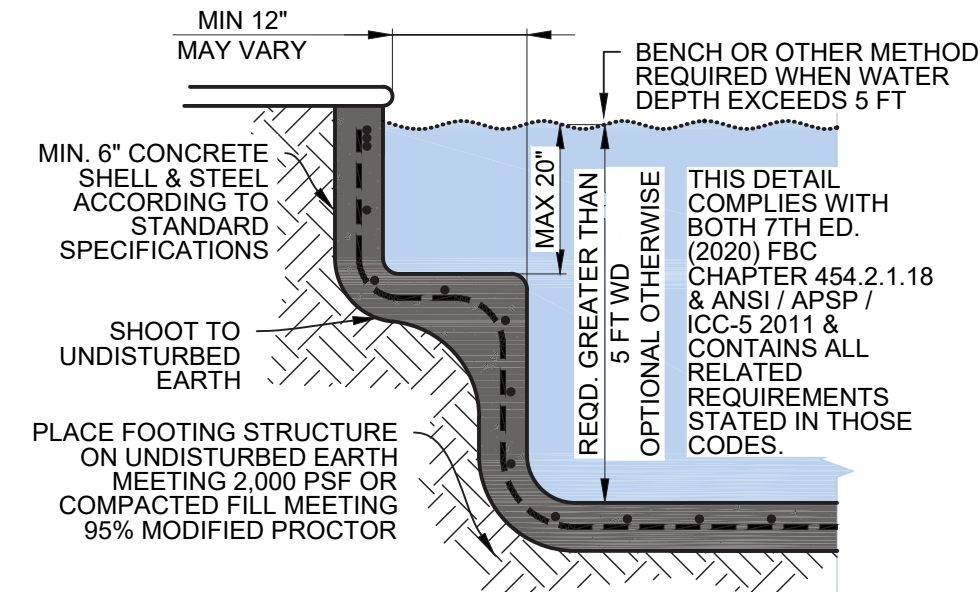
**NOTES:**

- 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 COMPACTION MINIMUM OF 95% MODIFIED PROCTOR WITHOUT SETTLEMENT.

## 1 POOL DEEP END SECTION

SCALE: N.T.S.

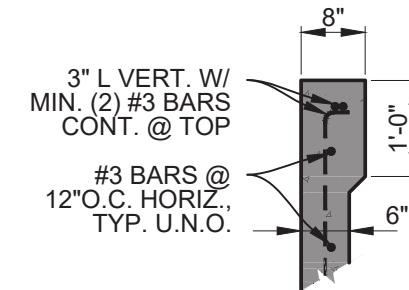


## 3 BENCH SECTION

SCALE: N.T.S.

## 2 FIELD BUILT SUMP

SCALE: N.T.S.

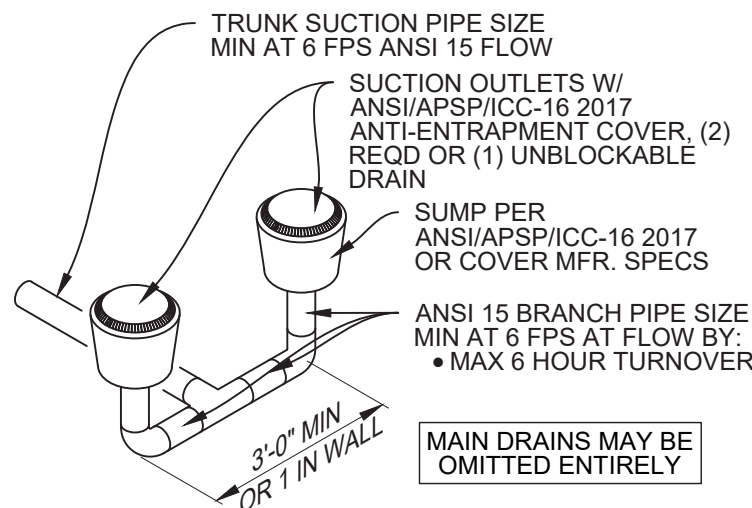


## 5 POOL BEAM 8"x12" OPTION

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**

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



## 4 BRANCH PIPING

SCALE: N.T.S.

SEE DIGITAL SIGNATURE ON INDEX SHT S1

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**KIMES ENGINEERING**

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REV.	DATE	DESCRIPTION
KE_RSTD	DWG BY: MCM	CDK BY: JJK
	DRAWING: 01-Jan-21	VERSION: 21-Dec-20

FOR USE IN: CITY OF GAINESVILLE  
BY: FUN-STATE POOLS, INC.

TYPICAL SECTIONS  
FOR RESIDENTIAL POOL/SPA

EXPIRES 03/15/2022

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

SHEET  
**S2**

SHEET 2 OF 2