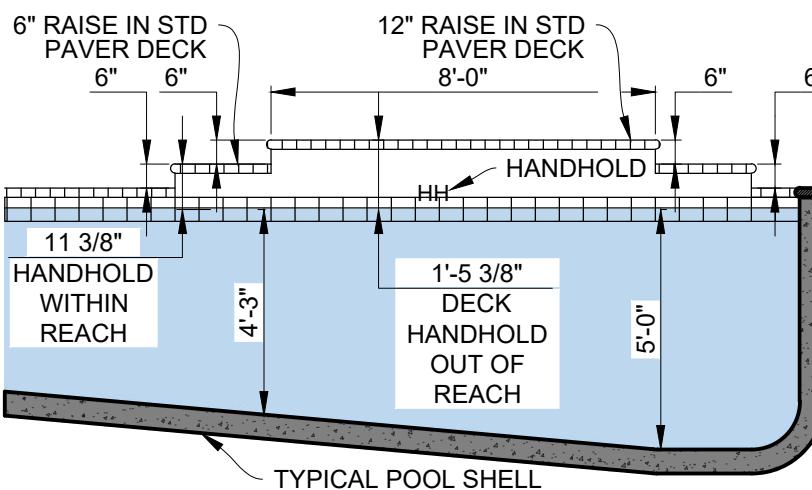


RESIDENTIAL POOL AND SPA PLAN REVIEW CHECKLIST FOR CRITICAL SAFETY CODE REQMTS

HANDHOLDS REQUIRED

HANDHOLD(S) PROVIDED WHEN REQUIRED AT RAISED DECK AREAS MORE THAN 12 INCH FROM WATER LINE AND WATER DEPTH MORE THAN 4 FEET FOR LENGTH OF 8 FEET. [2011 ANSI/APSP-5, 17.1]



ON PAVER COPING A 6" RISE STILL HAS HANDHOLD

ON CONCRETE OVER POUR MORE THAN 5" RISE IS OUT OF REACH FOR HANDHOLD.

WHEN POOL WATER CLOSER THAN 5 FT

WINDOWS, DOORS OR OTHER GLASS WITHIN 5 FT OF WATER'S EDGE: MUST HAVE MANUFACTURER'S DESIGNATION OF SAFETY GLAZING AND BE VISIBLELY MARKED

ALL FIXED METAL PARTS WITHIN 5 FT HORIZONTAL OR 12 FT VERTICAL- DOOR AND WINDOW FRAMES, CAGE AND FENCE STRUCTURES, STATIONARY EQUIPMENT, METAL AWNINGS- SHALL BE BONDED UNLESS PERMANENT BARRIER

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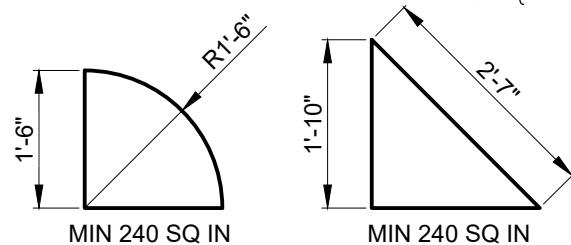
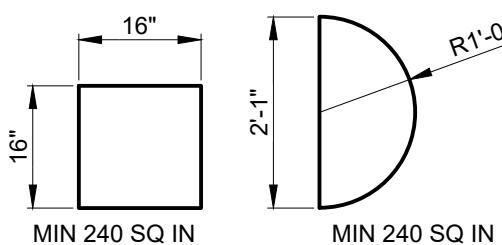


1 HANDHOLDS REQUIRED

SCALE: N.T.S.

SPA STEP REQUIRED

UNLESS A SPA IS RAISED 12" OR MORE FROM DECK, A SPA STEP IS REQUIRED ON THE BENCH FOR THE MAXIMUM 12" FROM DECK TO ENTRY. [2014 ANSI/APSP-3, 5.6.1]



Review for Code Compliance
Universal Engineering Science

PX2707 09/27/2024

SUN SHELF AS FIRST STEP

MAXIMUM 12" DECK TO SUN SHELF AS 1ST STEP, LIMITS WATER DEPTH UNLESS ADDED STEP ON SHELF. [2011 ANSI/APSP-5, 6.2.2]

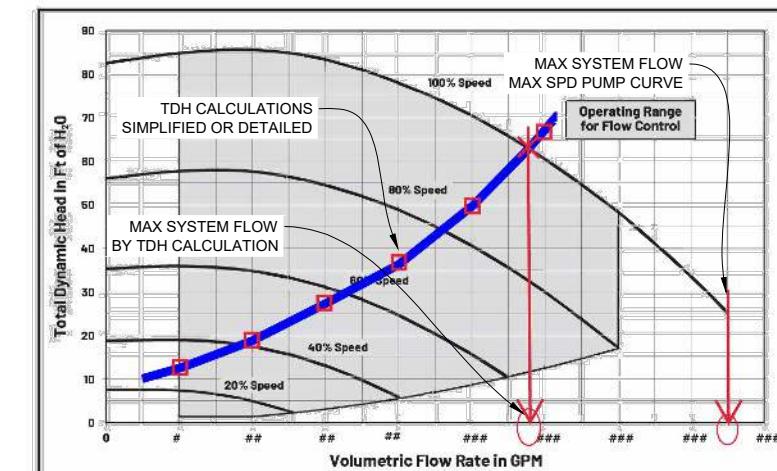
ANSI 7 SUCTION ENTRAPMENT SAFETY

PLAN REVIEWER AND INSPECTOR MUST VERIFY SUCTION OUTLET COVER RATED FLOW GREATER THAN DETAILED TDH CALCULATION AT MAXIMUM PUMP SPEED OR AT LEAST EXCEEDS MAXIMUM FLOW OF PUMP CURVE AND PARTICULARLY VERIFY SIDEWALL SUCTIONS AND RATED "WALL" FLOWS

IF TDH USED TO SHOW SOFA COMPLIANCE, FLOW VERIFICATION REQUIRED AT FINAL.

EXAMPLE SIMPLE OR DETAILED TDH

Pump Performance Curves



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DESCRIPTION
DRAWING: 01-Jan-24
DRAWING: 01-Jan-24
C.D. 2024

REV. DATE
PROJ. NO.: DWG BY: CKB BY: JKK
2023 FBC 2023 FBC
2023 FBC

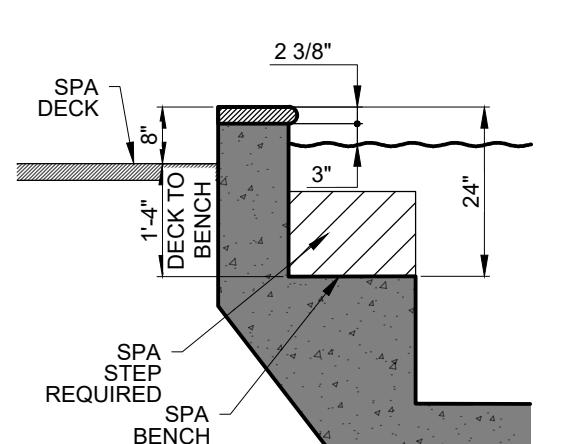
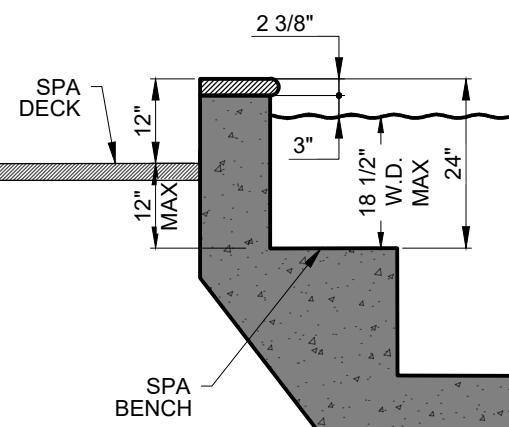


TYPICAL PLAN & SECTIONS
FOR RESIDENTIAL POOL/SPA

330 SW UTAH ST
GATOR POOL BUILDERS

2 EXAMPLE 240 SQ IN STEP DIMENSIONS

SCALE: N.T.S.



3 12" RAISED SPA NO STEP

SCALE: N.T.S.

4 8" RAISED SPA STEP REQD.

SCALE: N.T.S.

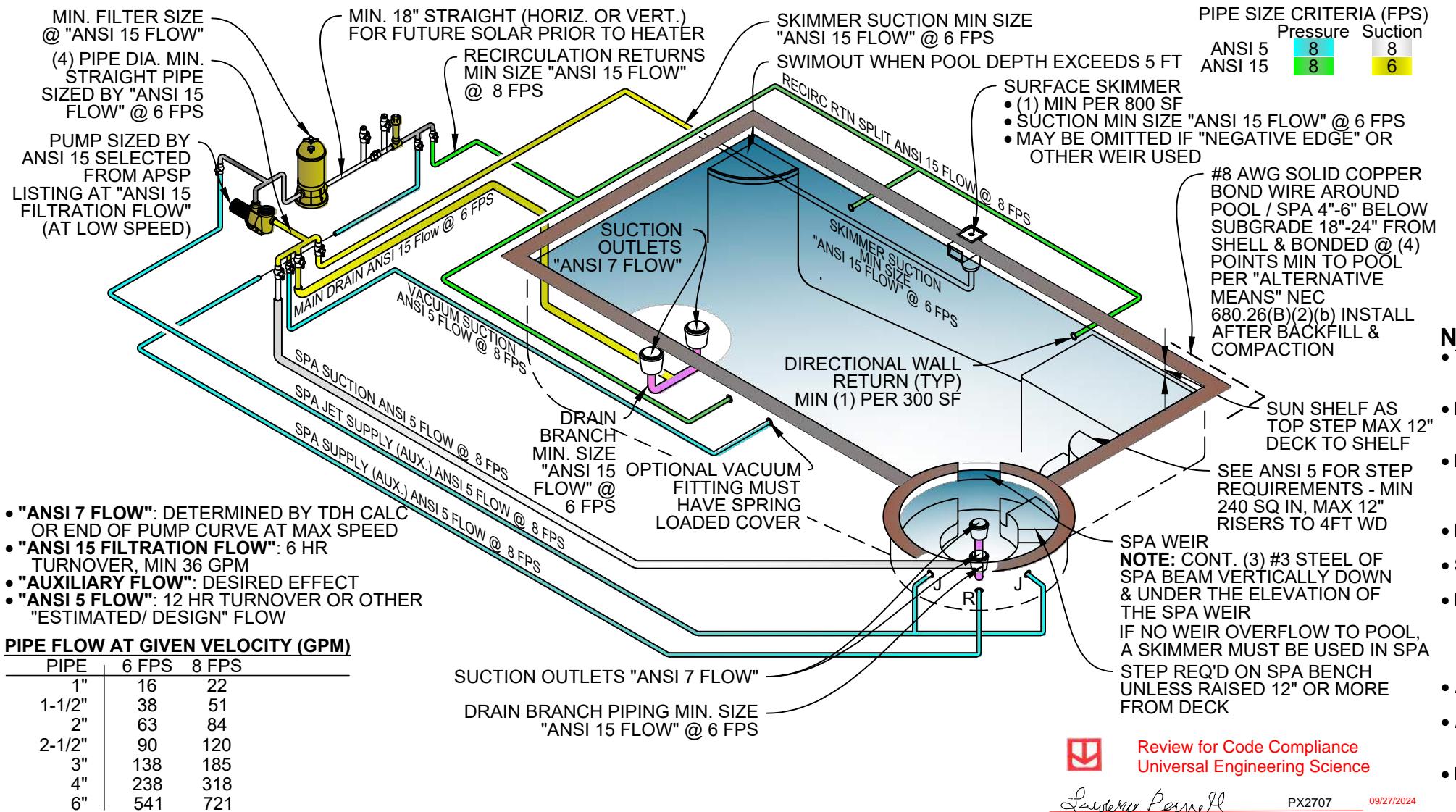
5 SUN SHELF AS 1ST STEP

SCALE: N.T.S.

COMPLIES WITH
2023 8TH ED. FBC,
ALL VOLUMES

ORIG. DWG: 17"X11" (ANSI B)

SHEET
S1
SHEET 1 OF 3

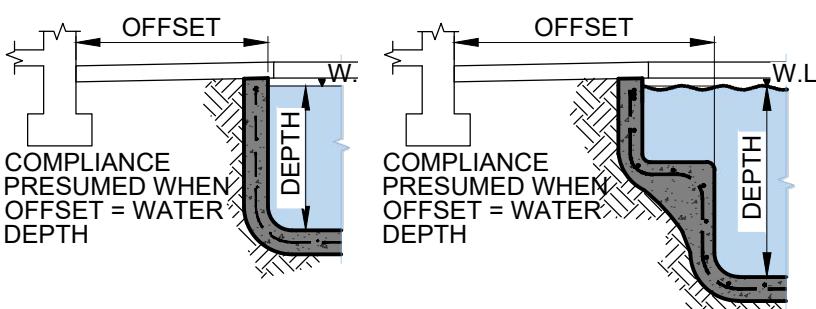


1

TYPICAL RESIDENTIAL POOL / SPA SCHEMATIC PLAN

SCALE: N.T.S.

FBC NO LONGER REQUIRES EXCAVATIONS OUT OF THE "ANGLE OF REPOSE PLUS 1 FT". THE CURRENT REQUIREMENT IN 8TH ED (2023) FBC, SECTION 1804.1 STATES THAT "EXCAVATIONS SHALL NOT REMOVE VERTICAL OR LATERAL SUPPORT FROM ANY FOUNDATION." THEREFORE THE FOLLOWING IS REQUIRED:



"ANGLE OF REPOSE"
OR SEE CONTRACTOR PLAN

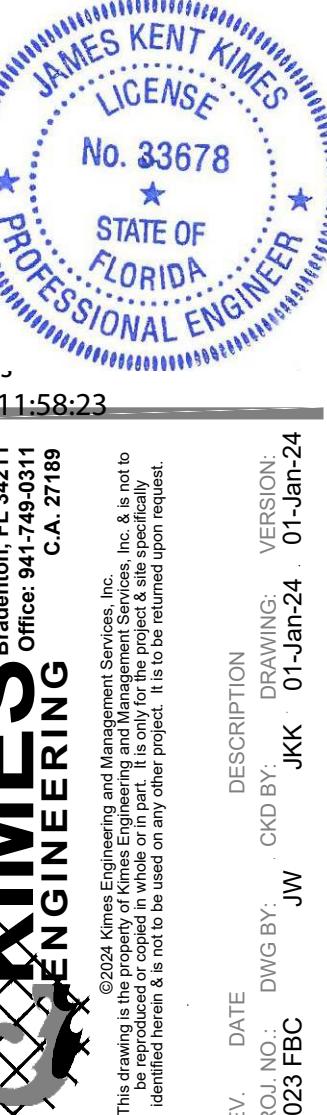
PROXIMITY TO STRUCTURE

SCALE: N.T.S.

1. WHEN THE POOL DECK DISTANCE IS EQUAL TO OR GREATER THAN WATER DEPTH, NO MITIGATION OF THE SHELL STRUCTURE IS REQUIRED, AND NO SHORING OR FOUNDATION SUPPORT INITIALLY REQUIRED.
2. WHEN THE POOL DECK DISTANCE IS LESS THAN THE WATER DEPTH, THE ENGINEER SHALL PROVIDE A MITIGATION SPECIFICATION, EITHER TO PROTECT THE FOUNDATION DURING EXCAVATION OR STRENGTHEN THE SHELL FROM STRUCTURE LOADS.
3. 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.
4. 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.

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dnQualifier=A
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cn=James K Kimes
Date: 2024.09.16 11:58:23
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330 SW UTAH ST
GATOR POOL BUILDERS

TYPICAL PLAN & SECTIONS
FOR RESIDENTIAL POOL/SPA

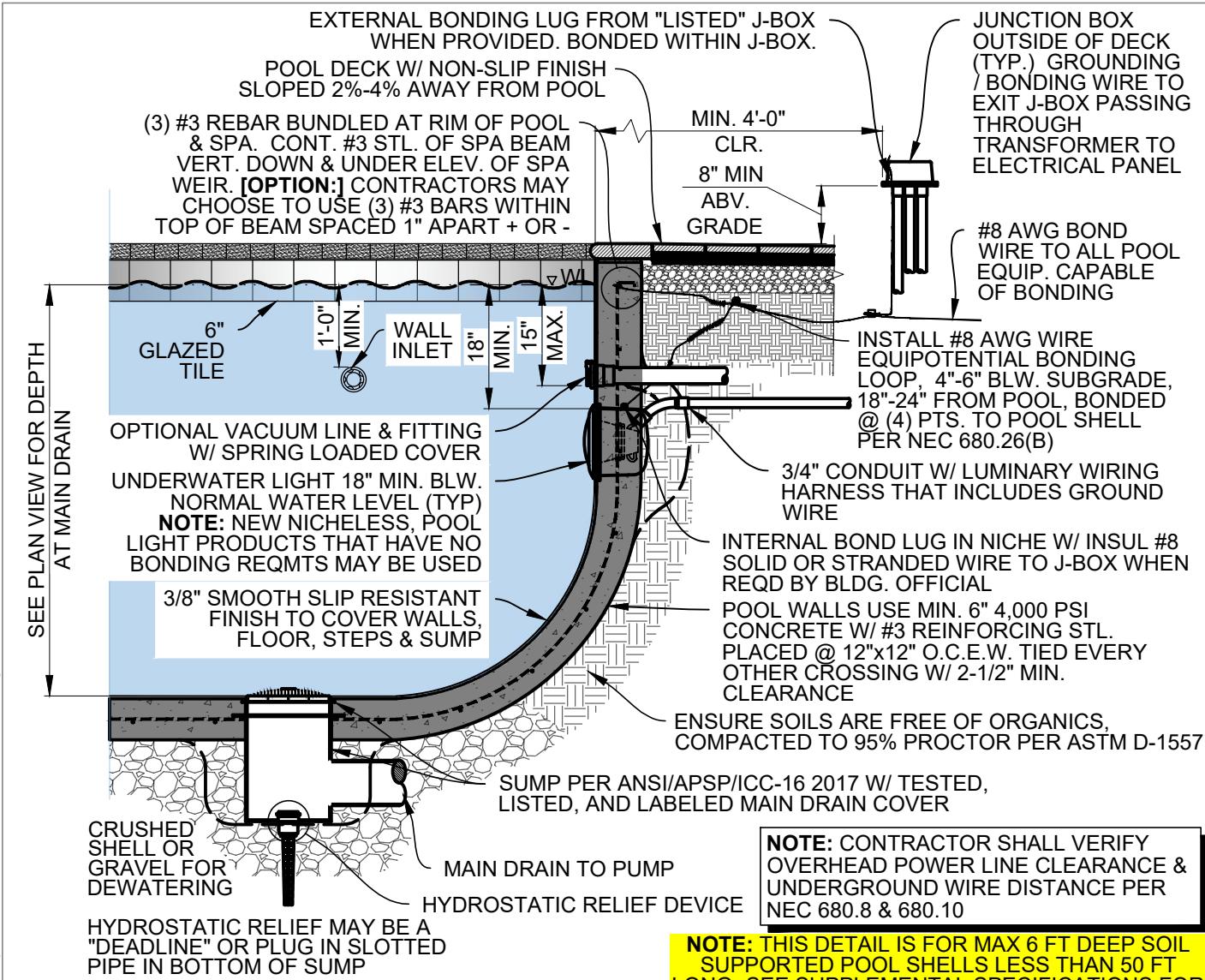
COMPLIES WITH
2023 8TH ED. FBC,
ALL VOLUMES

SHEET

S2

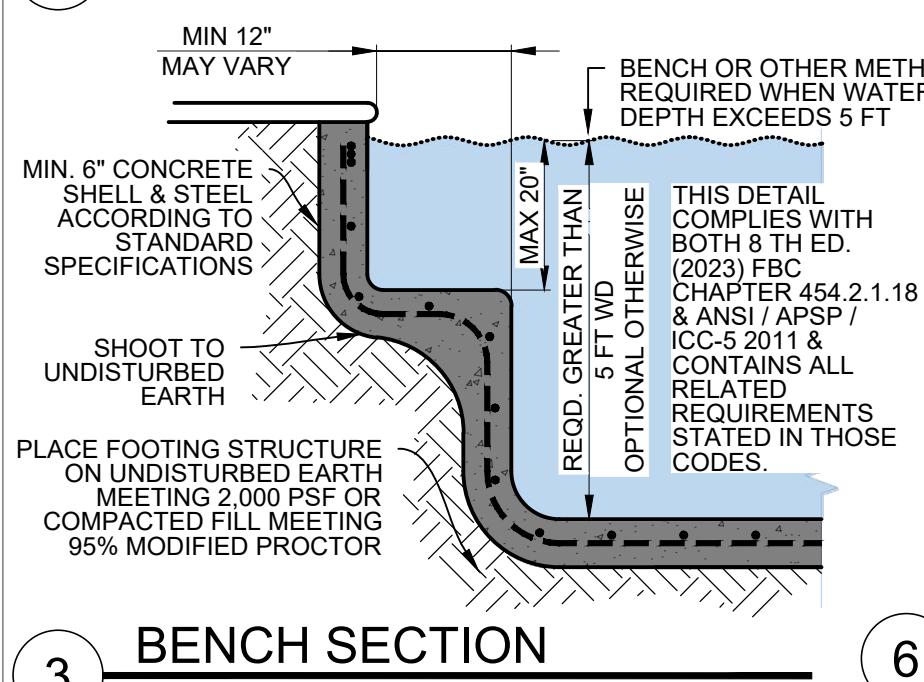
SHEET 2 OF 3

KIMMESSRVD-Drive\COMPANY SHARED TWO00 MASTER RESIDENTIAL PROJECT TOOLS\2023 FBC\2023 FBC Frequently used CADs\2023 FBC KE S1 S2 S3 r2.dwg



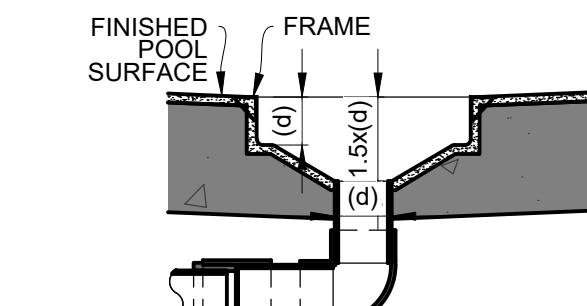
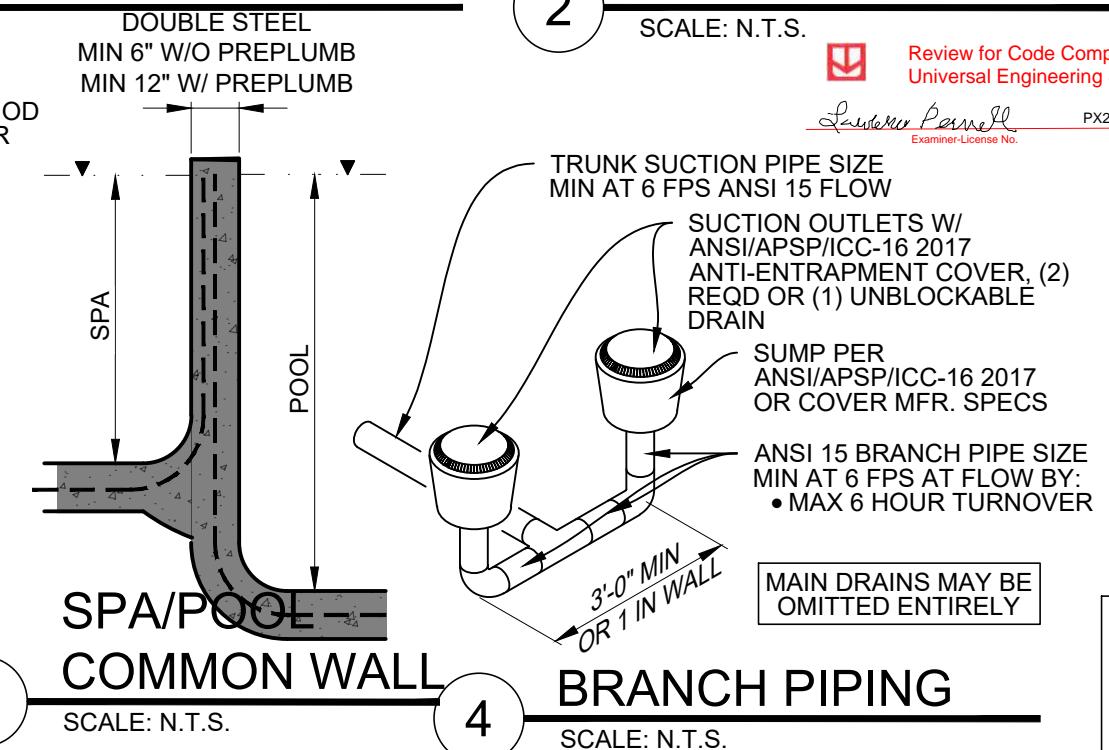
POOL DEEP END SECTION

SCALE: N.T.S



BENCH SECTION

3) SCALE: N.T.S



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NOTES:

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

ADDITIONAL STRUCTURAL NOTES:

- USE MINIMUM ASTM A615 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.

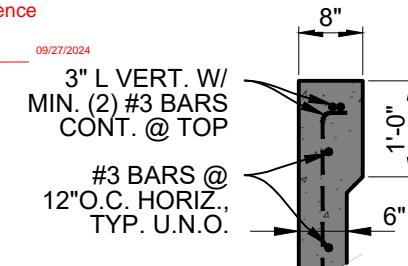
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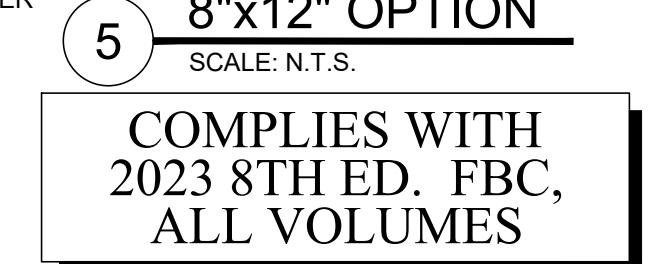
REV.	DATE	DESCRIPTION	VERSION:
PROJ. NO.:	DWG BY:	CKD BY:	2023-01-01
00000000000000000000000000000000	W	W	2023-01-01

TYPICAL SECTIONS FOR RESIDENTIAL POOL/SF



POOL BEAM 8" x 12" OPTION

SCALE·NTS



**COMPLIES WITH
2023 8TH ED. FBC,
ALL VOLUMES**