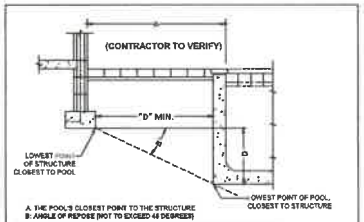


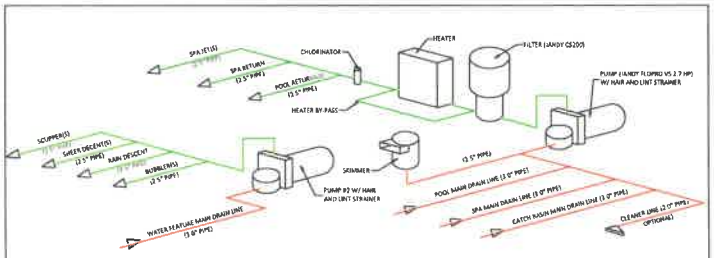
A: THE POOL'S CLOSEST POINT TO THE STRUCTURE
B: ANGLE OF REPOSE (NOT TO EXCEED 45 DEGREES)

NOTE:
1. REFER SPECIAL STRUCTURAL NOTE ON SHEET 03 FOR A.O.R. CASE.
2. WHEN ANGLE "B" IS GREATER THAN 45°, A1 SO SEE EXCAVATION NOTE BELOW.

DETAIL: ANGLE OF REPOSE (A.O.R.)

FBC 1804.5 EXCAVATION NEAR FOUNDATIONS (CONTRACTOR TO PROVIDE):

EXCAVATION FOR ANY PURPOSE SHALL NOT REDUCE VERTICAL OR LATERAL SUPPORT FOR ANY FOUNDATION OR ADJACENT FOUNDATION WITHOUT FIRST UNDERPINNING OR PROTECTING THE FOUNDATION AGAINST DETRIMENTAL LATERAL OR VERTICAL MOVEMENT, OR BOTH



PLUMBING SCHEMATIC DIAGRAM

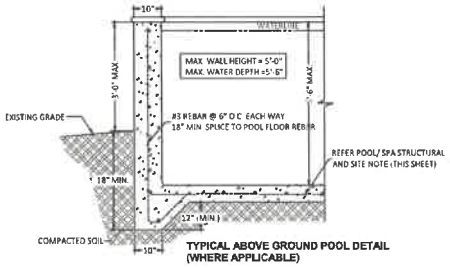
POOL PLAN

OUTDOOR RESIDENTIAL SWIMMING POOLS SHALL BE PROVIDED WITH A BARRIER COMPLYING WITH FBC R4501.17.1.1 THROUGH R4501.17.1.14.

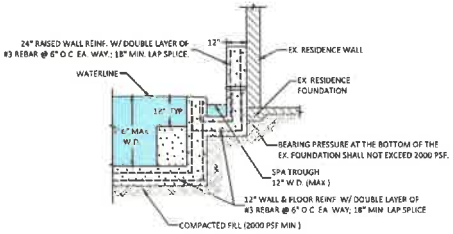
EQUIPOTENTIAL BONDING SHALL CONFORM TO 2020 NEC SECTION 680.26

FOR ALL WALKING SURFACES LOCATED MORE THAN 30" ABOVE GRADE, GUARDS SHALL BE PROVIDED PER FBC R312.

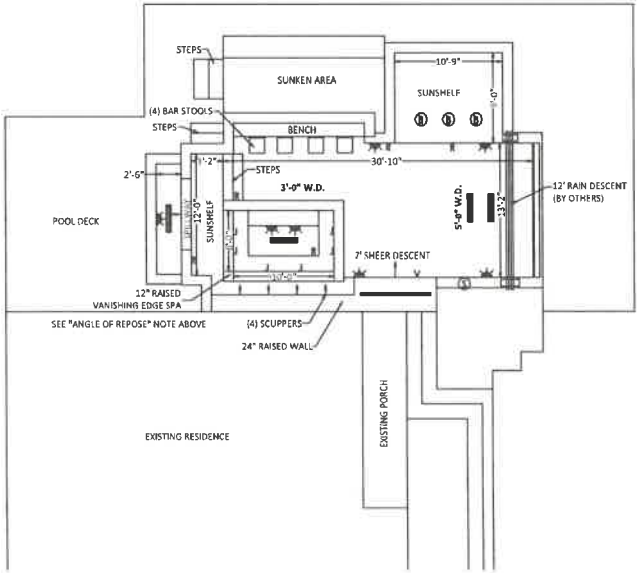
PROPOSED POOL/SPA TO BE INSTALLED IN FLOOD ZONE "X"
REFER STRUCTURAL AND SITE NOTE ON SHEET 03.



TYPICAL ABOVE GROUND POOL DETAIL (WHERE APPLICABLE)



360 SPILLOVER SPA (TYP.) SECTION

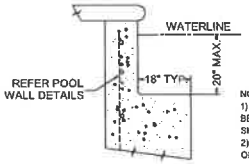


ANY GLAZING WITHIN 5 FT. OF POOL SHALL BE SHALL CONFORM TO FBC R308.4.5.

WHERE A WALL OF DWELLING SERVES AS PART OF THE BARRIER, ONE OF THE FOLLOWING SHALL APPLY:
1) ALL DOORS AND WINDOWS PROVIDING DIRECT ACESS FROM THE HOME/ DWELLING TO THE POOL SHALL BE EQUIPPED W/ AN EXIT ALARM COMPLYING W/ UL 2017.
2) ALL DOORS PROVIDING DIRECT ACCESS FROM THE HOME TO THE POOL MUST BE EQUIPPED W/ A SELF-CLOSING, SELF-LATCHING DEVICE W/ POSITIVE MECHANICAL LATHCING/ LOCKING INSTALLED A MIN. OF 54 INCHES ABOVE THE THRESHOLD, WHICH IS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
3) A SWIMMING POOL ALARM THAT COMPLIES TO ASTM STANDARD F2208.

SCOPE OF WORK:
RESIDENTIAL SWIMMING POOL ENGINEERING
(POOL NOT DESIGNED FOR DIVING)

DRAWING LEGENDS (ALL MAY NOT APPLY)	
SYMBOLS	INDICATES
▬	MAIN DRAIN
R	RETURN
S	SKIMMER
✱	LIGHT
V	VAC. LINE
J	JET
B	BUBBLER



NOTE:
1) WHEN PROVIDED SHALL BE AT 20" MAX. BELOW THE WATERLINE AS SHOWN, AND SHALL BE VISUALLY SET APART FROM THE POOL.
2) MIN. UNOBSTRUCTED WALKING SURFACE OF 240 SQ. INCHES.

SWIMOUT BENCH TYPICAL DETAIL

ENTRY/ EXIT REQUIRED AT THE SHALLOW END AND DEEP END IF OVER 5 FEET DEEP. ACCEPTABLE ARE STAIRS (10" MINIMUM TREAD WITH 240 SQUARE INCH MINIMUM AREA, 12" RISER (MAX.) WITH INTERMEDIATE TREADS AND RISERS UNIFORM), LADDERS, UNDERWATER SEATS, AND SWIM-OUTS (MAXIMUM 20" BELLOW WATERLINE)

ENTRAPMENT PROTECTION FOR SUCTION OUTLETS SHALL BE INSTALLED IN ACCORDANCE WITH THE RIQUIRIEMENTS OF ANSI/APSP/ICC-7 & FBC R4501.6.6.

BLOCKABLE DUAL OUTLETS (MAIN DRAINS) SHALL BE SEPARATED BY A MINIMUM OF 3 FEET MEASURED FROM CENTER TO CENTER OF THE SUCTION OUTLET FITTING ASSEMBLY (SOFA) OR LOCATED ON TWO (2) DIFFERENT PLANES I.E., ONE (1) ON THE BOTTOM AND ONE (1) ON THE VERTICAL WALL, OR ONE (1) EACH ON TWO (2) SEPARATE VERTICAL WALLS. SUCTION OUTLETS SHALL NOT BE INSTALLED IN SEATING AREAS.

AN UNBLOCKABLE SOFA REQUIRES THAT THE SUCTION OUTLET FITTING ASSEMBLY (SOFA) BE CERTIFIED AS UNBLOCKABLE, AND BE DESIGNED BY THE MANUFACTURER AS UNBLOCKABLE, AND THE MANUFACTURER'S INSTRUCTIONS MUST STATE THE SOFA IS AUTHORIZED FOR USE AS AN UNBLOCKABLE IN ACCORDANCE WITH ANSI/ APSP/ ICC - 16 2017.

THE NUMBERS OF RETURN INLETS SHALL BE BASED ON A MINIMUM OF (1) RETURN INLET PER 300 SQ. FT. OF POOL SURFACE AREA OR FRACTION THEREOF.

APPROVED SURFACE SKIMMERS ARE REQUIRED AND SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
SKIMMERS SHALL BE INSTALLED ON THE BASIS OF ONE PER 400 SQUARE FEET (74 M2) OF SURFACE AREA OR FRACTION THEREOF, AND SHALL BE DESIGNED FOR A FLOW RATE OF AT LEAST 25 GALLONS PER MINUTE (GPM) (1.6 L/S) PER SKIMMER

HYDROSTATIC RELIEF DEVICE. IN AREAS OF ANTICIPATED WATER TABLE AN APPROVED HYDROSTATIC RELIEF DEVICE SHALL BE INSTALLED. VALVES SHALL BE APROVED BY THE FLORIDA BUILDING CODE

This item has been digitally signed and sealed by Richard E. Walker, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

RICHARD EDWARD WALKER LICENSE No. 61240 STATE OF FLORIDA PROFESSIONAL ENGINEER

Digitally signed by Richard E Walker
Date: 2024.09.18 12:35:20-04'00'

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PROJECT NO. 2421859

CONTRACTOR:
NEXT LEVEL CONSTRUCTION
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MAITLAND FL 37751

PROJECT ADDRESS:
TAYLOR
601 LAKE SHORE DR,
MAITLAND FL 32751

DESIGN DATE:	09/16/2024	
REVISION 1:	DATE	
REVISION 2:	DATE	SHEET :
DRAWN BY:	JA-RJ	02
SCALE:	NTS	