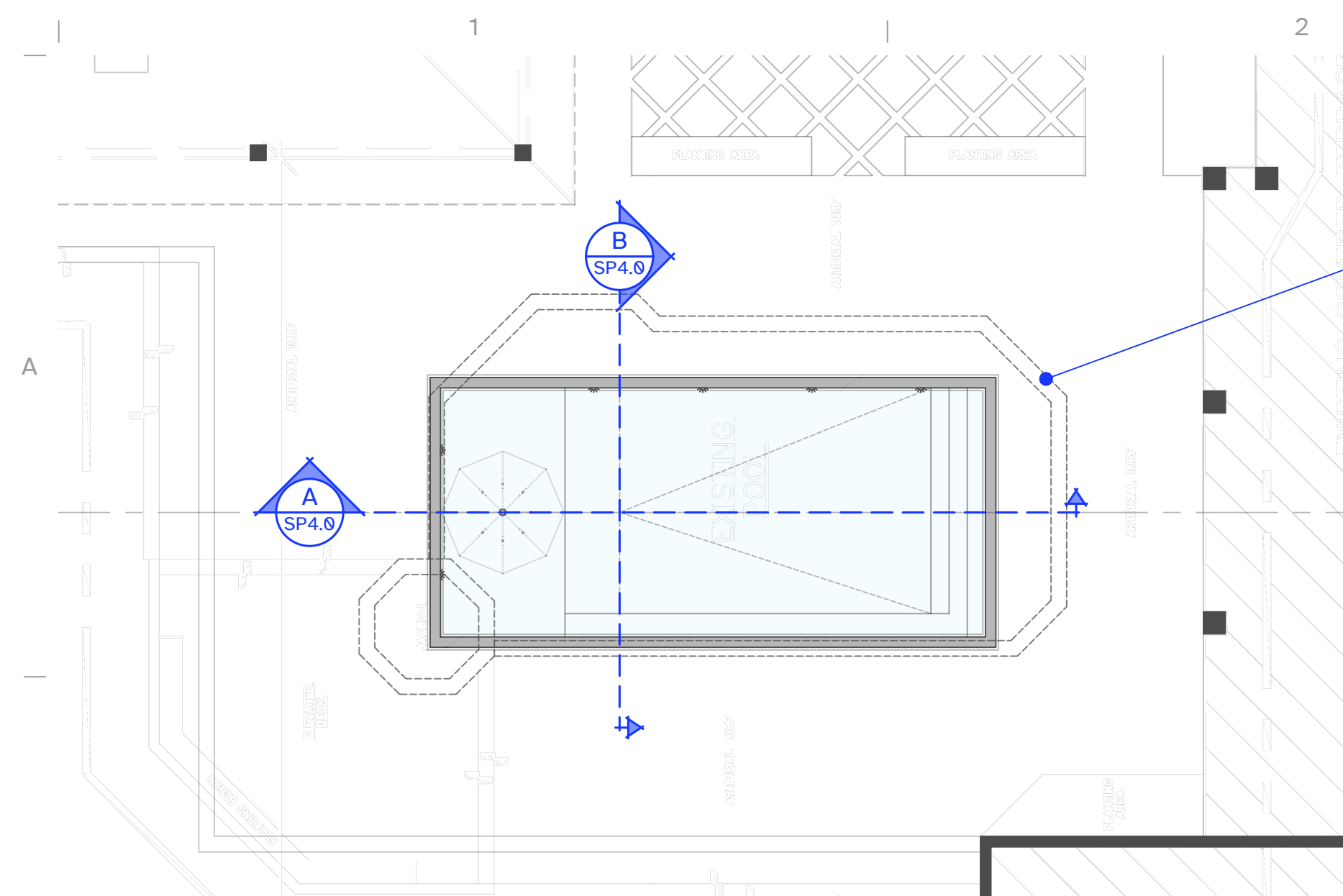


1/4" = 1'-0"
CUT ON DASH LINE FOR SCALE RULER



SCAN QR CODE
FOR ALL RFIs



CONTRACTOR TO DEMO PORTIONS OF
EXISTING POOL AS NEEDED & BACKFILL
WITH CRUSHED ROCK.

CRUSHED ROCK SHALL BE INSTALLED IN 12"
LIFTS & COMPACTED AFTER EACH LAYER.

STRUCTURAL NOTES

- ALL MATERIALS AND CONSTRUCTION SHALL COMPLY WITH THE FLORIDA BUILDING CODE, 2023 EDITION, ASCE 7-16 MINIMUM DESIGN LOADS FOR BUILDINGS, THE ACI 318-14 & ACI 318-19 BUILDING CODES, AND ALL APPLICABLE FEDERAL, STATE AND LOCAL ORDINANCES.
- ALL FLOOR & WALLS TO BE PNEUMATICALLY APPLIED CONC. WITH A MIN. 28 DAY COMPRESSIVE 3,000 P.S.I.
- ALL REINF. STEEL TO CONFIRM TO A.S.T.M. A615 GRADE 60 AND SHALL HAVE A MINIMUM YIELD STRENGTH OF 60,000 PSI.
- ALL REINFORCING SPLICES SHALL BE AS FOLLOWS:
 - #3 BARS @ 18"
 - #4 BARS @ 24"
 - #5 BARS @ 30"UNLESS OTHERWISE NOTED ON THESE PLANS.
- MINIMUM STEEL COVER:
 - AGAINST SOIL: 3"
 - ALL OTHER UNLESS SPECIFIED ON PLANS: 2"

MONOLITHIC CONSTRUCTION

- THE STRUCTURE HAS BEEN DESIGNED ASSUMING MONOLITHIC CONSTRUCTION (NO COLD JOINTS). ADDITIONAL DETAILS WILL BE REQUIRED IF MONOLITHIC CONSTRUCTION IS NOT ACHIEVED AND/OR COLD JOINTS ARE INTRODUCED.
- SPLICES IN REINFORCING BARS SHALL BE NOT LESS THAN 48X BAR DIAMETERS AND SHALL CONFORM TO ACI 318-25.5 (NON-CONTACT OR CONTACT WITH TEST PANEL AND APPROVAL BY THE BUILDING OFFICIAL).
- REINFORCEMENT SHALL BE CONTINUOUS AROUND ALL CORNERS AND CHANGES IN DIRECTION AND SHALL CONFORM TO ACI 318-25.3. CONTINUITY SHALL BE PROVIDED AT CORNERS OR CHANGES IN DIRECTION BY BENDING THE LONGITUDINAL STEEL AROUND THE CORNER 48X BAR DIAMETERS OR BY ADDING MATCHING REINFORCING STEEL, WHICH SHALL EXTEND MIN. 48X BAR DIAMETERS FROM EACH CORNER OR CHANGE IN DIRECTION. WHEN THREE OR MORE BARS ARE REQUIRED, THE BARS SHALL BE HELD IN PLACE AND ALIGNED BY TRANSVERSE BARS SPACED NOT MORE THAN 4 FEET (1219 MM) APART.

THIS POOL SHALL NOT BE DRAINED WITHOUT THE SUPERVISION OF A LICENSED, EXPERIENCED POOL CONTRACTOR. THE CONTRACTOR MUST EVALUATE CURRENT GROUNDWATER LEVELS, SEASONAL CONDITIONS, AND POTENTIAL FLOOD RISKS BEFORE PROCEEDING. HYDROSTATIC RELIEF MECHANISMS, IF APPLICABLE, MUST BE CHECKED AND FUNCTIONAL PRIOR TO DRAINAGE.

UPON INSTALLATION OF THE POOL DRAINAGE WARNING PLACARD, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF RECORD TO CONFIRM PROPER PLACEMENT AND COMPLIANCE WITH PROJECT REQUIREMENTS.

SOIL STATEMENT

BASED UPON VISUAL INSPECTION OF THE SITE, SOIL CONDITIONS, LIMEROCK AND SAND, APPEAR ADEQUATE FOR THE DESIGN BEARING LOAD OF 2,000 PSF. AFTER EXCAVATION, THE SOIL UNDER THE POOL SLAB SHALL BE WELL COMPACTED WITH A PLATE COMPACTOR.

SHOULD THESE CONDITIONS NOT MEET THE DESCRIPTION HEREIN OR THE CONDITIONS DO NOT APPEAR ADEQUATE, CONTACT THE ENGINEER OF RECORD.

PER FBC R4501.21.4 IN AREAS OF ANTICIPATED WATER TABLE, AN APPROVED HYDROSTATIC RELIEF DEVICE SHALL BE INSTALLED.

WARNING: TO EMPTY POOL AFTER CONSTRUCTION FOR ANY REASON, THE HYDROSTATIC UPLIFT PRESSURES BENEATH THE POOL MUST BE ELIMINATED TO PREVENT THE POOL FROM FLOATING UPWARD. OWNER MUST CONSULT A POOL CONTRACTOR EXPERIENCED IN ELIMINATING UPLIFT PRESSURES.

DIMENSIONS & ELEVATIONS

DIMENSIONS AND ELEVATIONS SHOWN ARE TO STRUCTURE UNLESS OTHERWISE SPECIFIED BY (W) SYMBOL, NGVD, F.F., OR OTHER

HYDROSTATIC VALVE IS REQUIRED.

MINIMUM 6" WALLS REQUIRED.
MINIMUM 6" SLAB REQUIRED.

REBAR SCHEDULE

1	SLAB (1-LAYER)	#3 @ 9"	C/C, EACH WAY
2	WALLS (1-LAYER)	#3 @ 9"	C/C, EACH WAY
3	LEDGE (1-LAYER)	#3 @ 9"	C/C, EACH WAY
4	ENTRY STEPS (1-LAYER)	#3 @ 9"	C/C, EACH WAY
5	BENCH	#3 @ 9"	C/C, EACH WAY

UPLIFT ANALYSIS

WATER LEVEL	9.5	NGVD
HEIGHT OF STRUCTURE	5.5	FT
POOL BOTTOM ELEV.	4.0	NGVD
FLOOD CRITERIA	7.0	NGVD
TOTAL UPLIFT	3.0	FT
LESS HYDROSTATIC RELIEF	1.0	FT
1.00 X 62.4	62.4	PSF
6" ÷ 12"	0.50	FT
0.50 X 150	75.0	PSF
75.00 >	62.40	
6" SLAB		

DIMENSION VERIFICATION: THE CONTRACTOR IS REQUIRED TO CONSULT THE PROJECT ENGINEER FOR ANY NECESSARY DIMENSIONS INSTEAD OF RELYING SCALING DRAWINGS. SCALING MAY RESULT IN INACCURACIES AND IS NOT PERMITTED.

FIELD CONDITION DISCREPANCIES: SHOULD FIELD CONDITIONS DEVIATE FROM THE DIMENSIONS SPECIFIED ON THE DRAWINGS, THE CONTRACTOR MUST PROMPTLY INFORM THE PROJECT ENGINEER FOR RESOLUTION AND CLARIFICATION.

FAILURE TO COMPLY WITH THESE REQUIREMENTS MAY RESULT IN CONSTRUCTION DELAYS AND ASSOCIATED COSTS.

ALL CODES TO COMPLY WITH
F.B.C. 2023, 8TH EDITION

PLOT DATE -

19 September 2025



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RESIDENCE

GOMEZ

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PINECREST, FL 33156

REVISIONS

NOTES
1.

PROJECT NORTH



SCALE 1/4" = 1'-0"

STRUCTURE PLAN

SP4.0

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