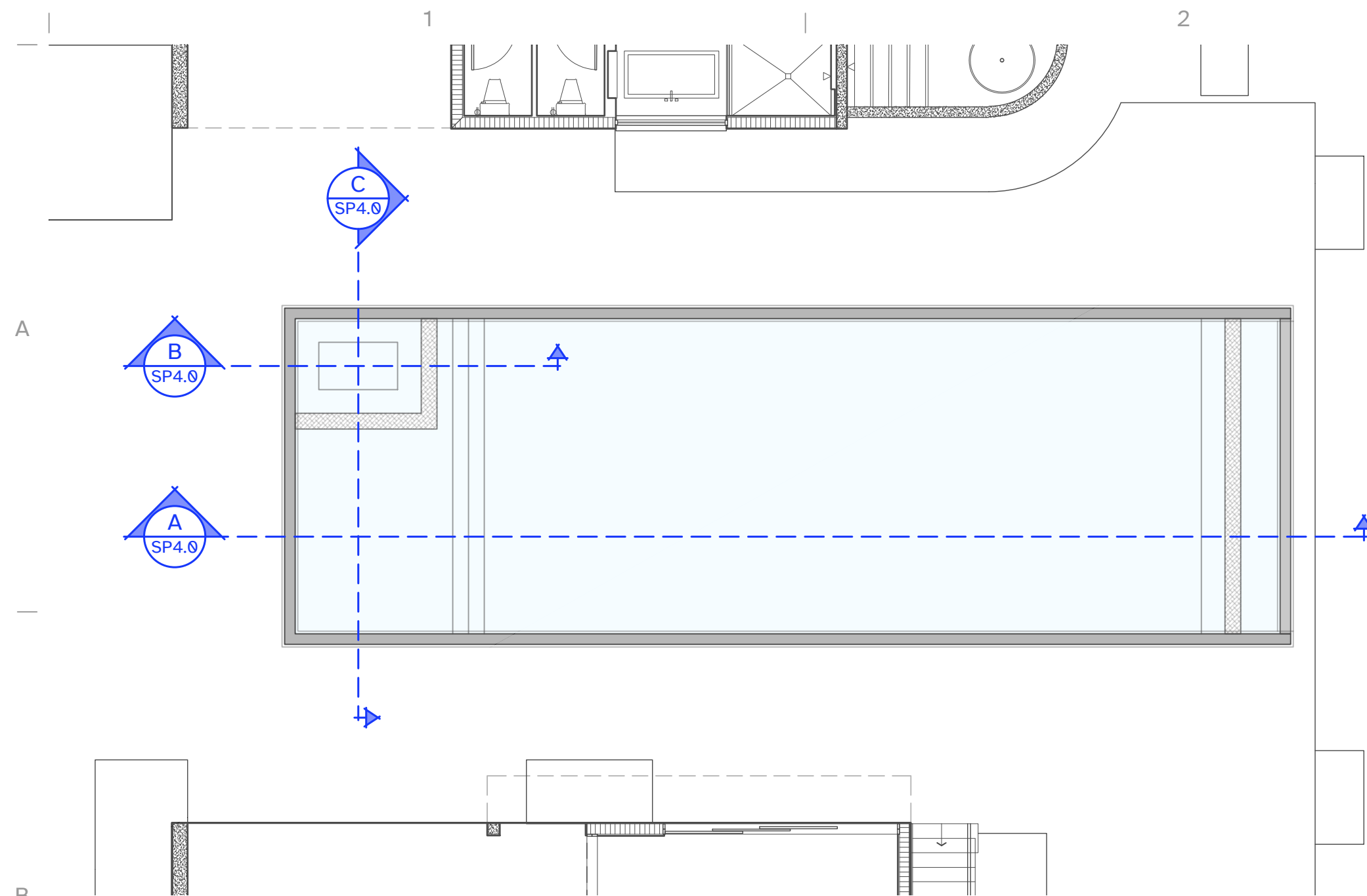




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FOR ALL RFIs



#### 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.

#### UPLIFT ANALYSIS

|                         |       |      |
|-------------------------|-------|------|
| WATER LEVEL             | 12.5  | NGVD |
| HEIGHT OF STRUCTURE     | 5.5   | FT   |
| POOL BOTTOM ELEV.       | 7.0   | NGVD |
| FLOOD CRITERIA          | 10.6  | NGVD |
| TOTAL UPLIFT            | 3.6   | FT   |
| LESS HYDROSTATIC RELIEF | 1.6   | FT   |
| 1.55 X 62.4             | 96.7  | PSF  |
| 8" ÷ 12"                | 0.67  | FT   |
| 0.67 X 150              | 100.0 | PSF  |
| 100.00 >                | 96.72 |      |
| 8" SLAB                 |       |      |

#### 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 R4501.2.1.4 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

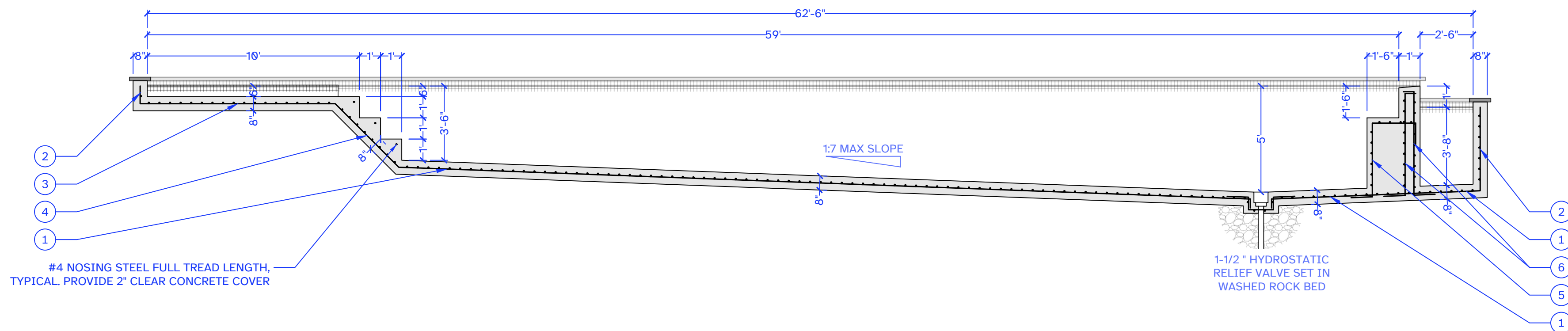
DIMENSIONS AND ELEVATIONS SHOWN ARE TO STRUCTURE UNLESS OTHERWISE SPECIFIED BY (W) SYMBOL, NGVD, F.F., OR OTHER

HYDROSTATIC VALVE IS REQUIRED.

MINIMUM 8" WALLS REQUIRED.  
MINIMUM 8" SLAB REQUIRED.

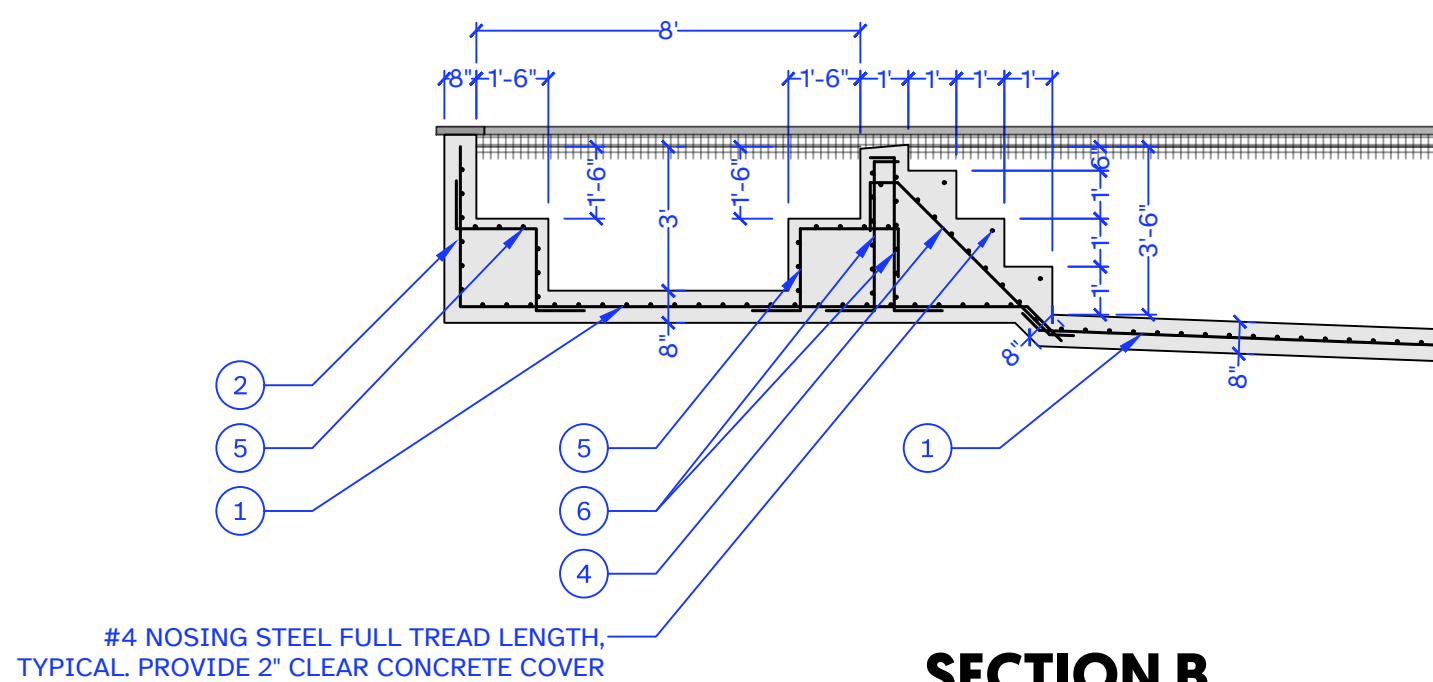
#### REBAR SCHEDULE

|   |                       |          |               |
|---|-----------------------|----------|---------------|
| 1 | SLAB (1-LAYER)        | #4 @ 12" | C/C, EACH WAY |
| 2 | WALLS (1-LAYER)       | #4 @ 12" | C/C, EACH WAY |
| 3 | LEDGE (1-LAYER)       | #4 @ 12" | C/C, EACH WAY |
| 4 | ENTRY STEPS (1-LAYER) | #4 @ 12" | C/C, EACH WAY |
| 5 | BENCH                 | #4 @ 12" | C/C, EACH WAY |
| 6 | BEAM (2-LAYER)        | #4 @ 12" | C/C, EACH WAY |



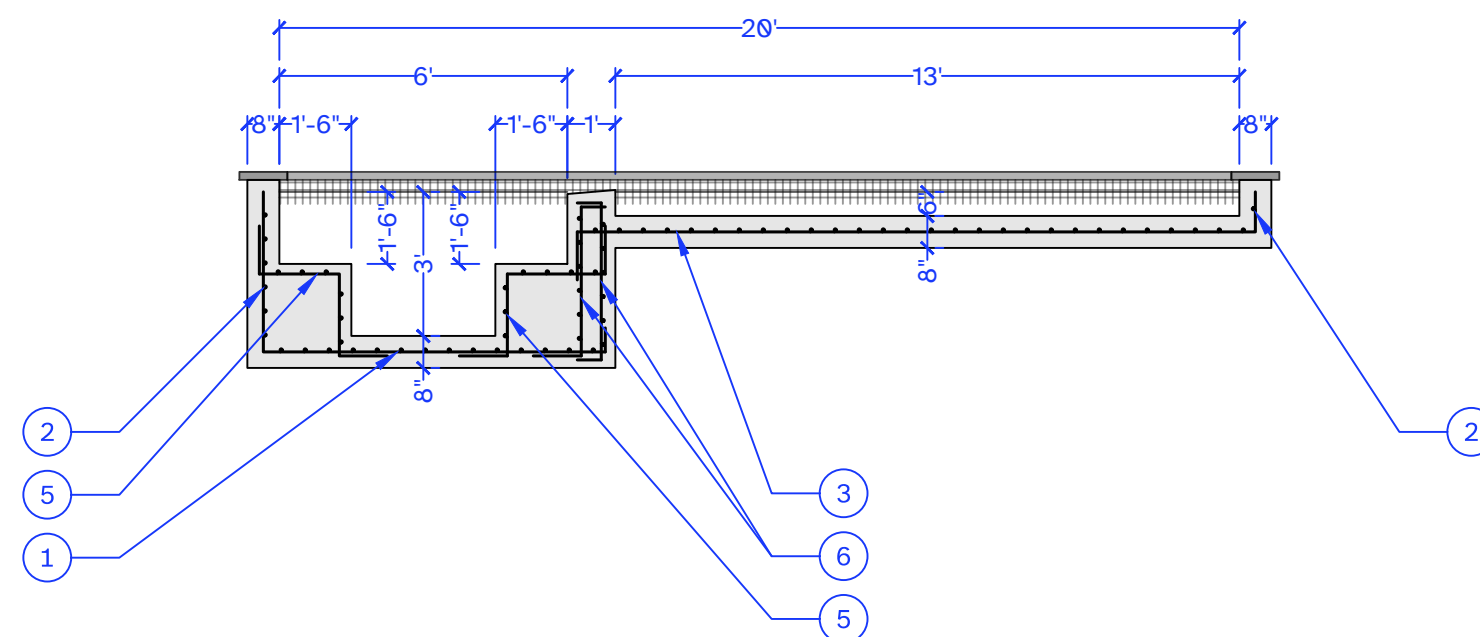
#### SECTION A

1/4" = 1'-0"



#### SECTION B

1/4" = 1'-0"



#### SECTION C

1/4" = 1'-0"

**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 -

13 January 2026



RESIDENCE

HH6100

6100 WEST SUBURBAN DRIVE  
PINECREST, FL 33156

#### REVISIONS

BLDG DEPT COMMENTS 01.09.26

#### NOTES

1.

#### PROJECT NORTH



SCALE 1/4" = 1'-0"

STRUCTURE PLAN

SP4.0

SHEET NO. © 2025