

GDI ENGINEERING



Swenson Park Pool

Sport & Recreation

Spur- Texas

GENERAL NOTES

1. STRUCTURAL DESIGN IS IN ACCORDANCE WITH THE PROVISIONS OF THE 2018 INTERNATIONAL BUILDING CODE.
2. THE BUILDING STRUCTURE HAS BEEN DESIGNED TO RESIST THE FOLLOWING CODE

PRESCRIBED LOADS:

LATERAL SOIL PRESSURE - 334 PSF @ MAX HEIGHT
 SURCHARGE LATERAL PRESSURE - 36 PSF
 WATER PRESSURE ACCOUNTED ACCORDING TO ASCE 7-22

3. THE STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHODS OF CONSTRUCTION UNLESS SO STATED OR NOTED. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE WORKMEN AND OTHER PERSONS DURING CONSTRUCTION.
4. THE STRUCTURAL DRAWINGS SHALL NOT BE SCALED FOR DETERMINATION OF QUANTITY, LENGTH OR FIT OF MATERIALS.
5. CONTRACTOR SHALL COMPARE STRUCTURAL AND ARCHITECTURAL DRAWINGS AND REPORT ANY DISCREPANCY TO THE ARCHITECT PRIOR TO FABRICATION OR INSTALLATION OF STRUCTURAL MEMBERS.
6. CONTRACTOR SHALL ENSURE THAT CONSTRUCTION MATERIALS WHOSE WEIGHT EXCEEDS THE DESIGN LIVE LOADS INDICATED ON THE STRUCTURAL DRAWINGS ARE NOT STORED ON STRUCTURALLY SUPPORTED FLOOR OR ROOF FRAMING.
7. REPRODUCTION OF THE STRUCTURAL DRAWINGS, EITHER IN PART OR IN WHOLE, FOR SUBMITTALS OR SHOP DRAWINGS SIGNIFIES ACCEPTANCE OF INFORMATION SHOWN AS CORRECT AND OBLIGES THE USER TO ANY EXPENSE, REAL OR IMPLIED, ARISING FROM THEIR USE.
8. CONTRACTOR SHALL SCHEDULE SITE OBSERVATION VISITS WITH THE ENGINEER OF RECORD AND/OR TESTING LABORATORY A MINIMUM OF FORTY-EIGHT HOURS PRIOR TO THE REQUIRED TIME OF THE VISIT.
9. THE STRUCTURAL DRAWINGS DO NOT INCLUDE INFORMATION ABOUT DRAINAGE AND POOL EQUIPMENT. IN CASE THE DESIGN OF THE ABOVE SYSTEMS INTERFERE WITH THE STRUCTURAL DESIGN, STRUCTURAL ENGINEER SHALL BE CONTACTED.

GEOTECHNICAL NOTES

1. GEOTECHNICAL REPORT HAS NOT BEEN PROVIDED. IT IS RECOMMENDED THAT THE BUILDING OWNER RETAIN A QUALIFIED INDEPENDENT INSPECTION SERVICE TO VERIFY BEARING STRATA, LOCATION, DIMENSIONS, SELECT FILL PLACEMENT/COMPACTION AND REINFORCEMENT SIZE AND PLACEMENT.
2. BEARING NATIVE SOIL SHALL BE COMPACTED TO 100% STANDARD PROCTORED DENSITY

REINFORCING STEEL NOTES

1. ALL DETAILING OF STEEL REINFORCEMENT AND ACCESSORIES SHALL CONFORM TO ACI COMMITTEE 315 PUBLICATION SP-66, "ACI DETAILING MANUAL."
2. DEFORMED BAR REINFORCEMENT SHALL BE DOMESTIC NEW BILLET STEEL IN CONFORMANCE WITH ASTM A615, GRADE 60.

STRUCTURAL CONCRETE NOTES

1. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF ACI 301 AND ACI 318. ALL CONCRETE SHALL BE LABORATORY DESIGNED AND CONTROLLED.
2. ALL CONCRETE FOR SWIMMING POOL MIN. 4000 PSI OR SHOTCRETE & IMMEDIATELY RUBBED SMOOTH AS SOON AS FORMS CAN BE REMOVED.
3. CONCRETE PROTECTION FOR STEEL REINFORCEMENT SHALL BE AS FOLLOWS (SEE ACI 318, SECTION 7.7 FOR CONDITIONS NOT INDICATED):
 ALL CONCRETE PLACED AGAINST SOIL 3"
 SLAB 3" BOTTOM, 2" SIDES, 1 1/2" TOP
4. ALL CONCRETE SURFACES EXPOSED TO THE GROUND MUST BE WATERPROOFED.
5. 12" PVC WATER STOPS SHALL BE INSTALLED IN LOCATIONS OF THE COLD JOINTS

REBAR SPLICE SCHEDULE

Bar Size		Masonry fm=1500 psi		Concrete		
		Grade 40	Grade 60	2000 psi	3000 psi	4000 psi
#4	L	20	24	20.9	17.1	14.8
	H			9.4	7.7	6.7
#5	L	25	30	26.2	21.4	18.5
	H			11.8	9.6	8.3
#6	L	30	36	31.4	25.6	22.2
	H			14.1	11.5	10
#7	L	35	42	45.8	37.4	32.4
	H			16.5	13.4	11.6
#8	L	40	48	52.3	42.7	37
	H			18.8	15.4	13.3

SWENSON PARK POOL

SPUR, TX

GENERAL NOTES

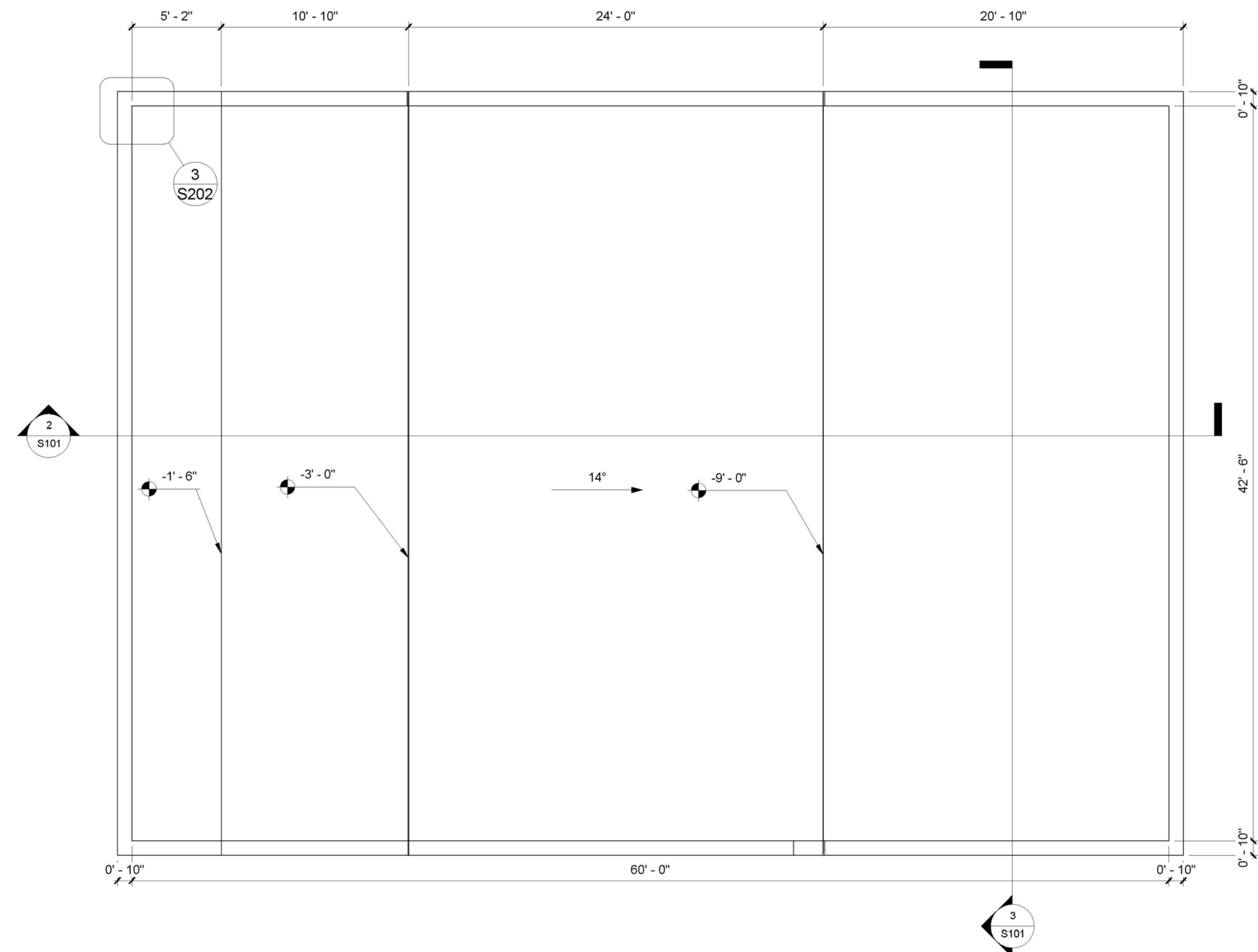
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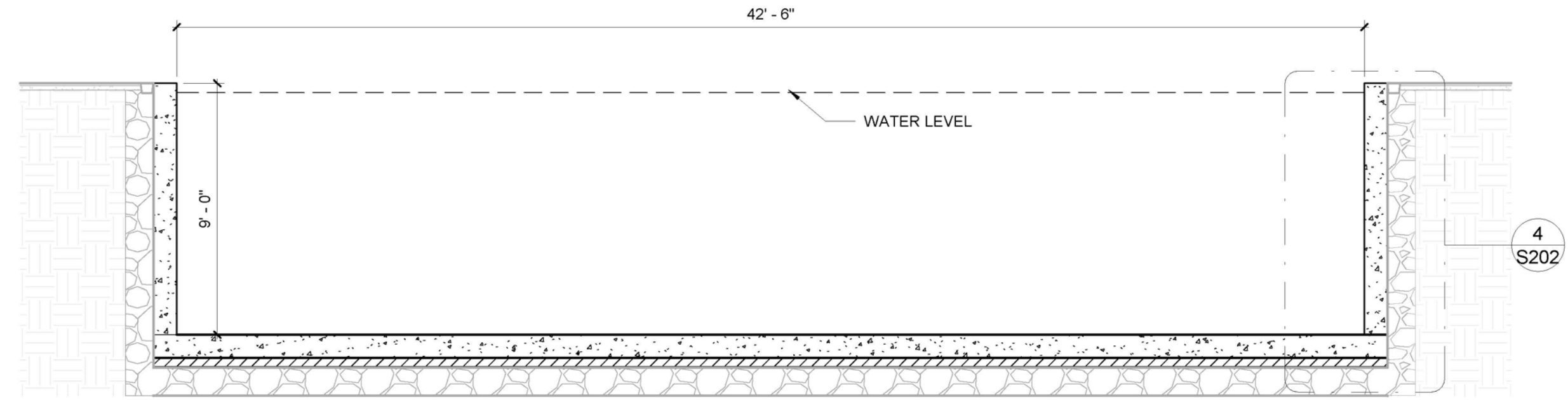
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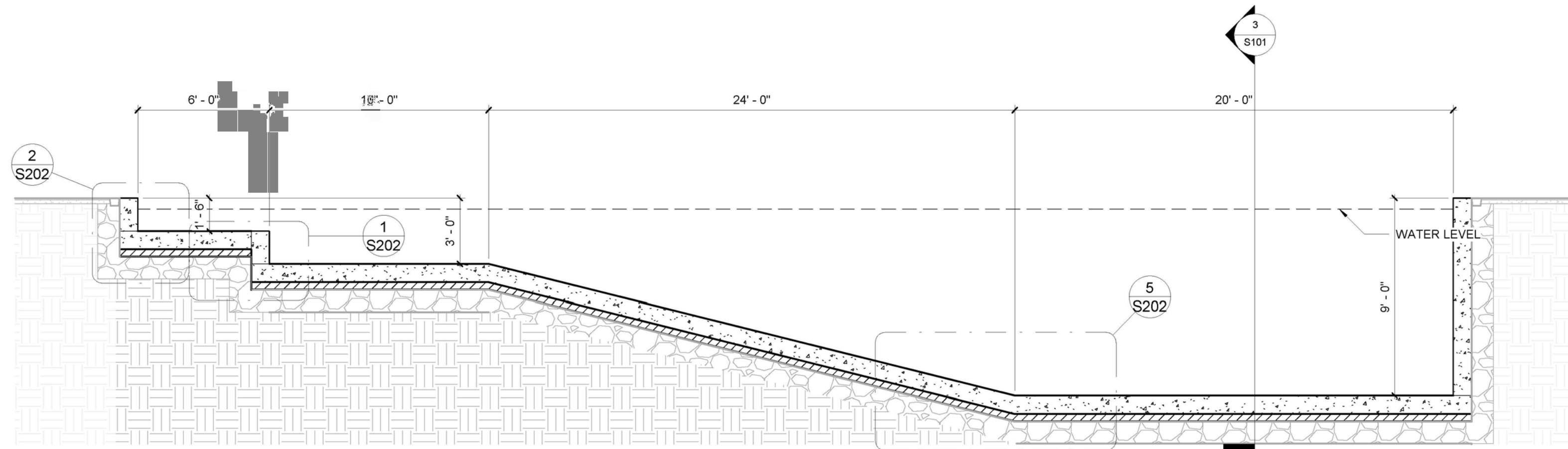
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1 POOL PLAN
3/16" = 1'-0"



3 POOL SECTION 2
1/4" = 1'-0"



2 POOL SECTION 1
1/4" = 1'-0"

SWENSON PARK POOL

SPUR, TX

POOL PLAN &
SECTIONS

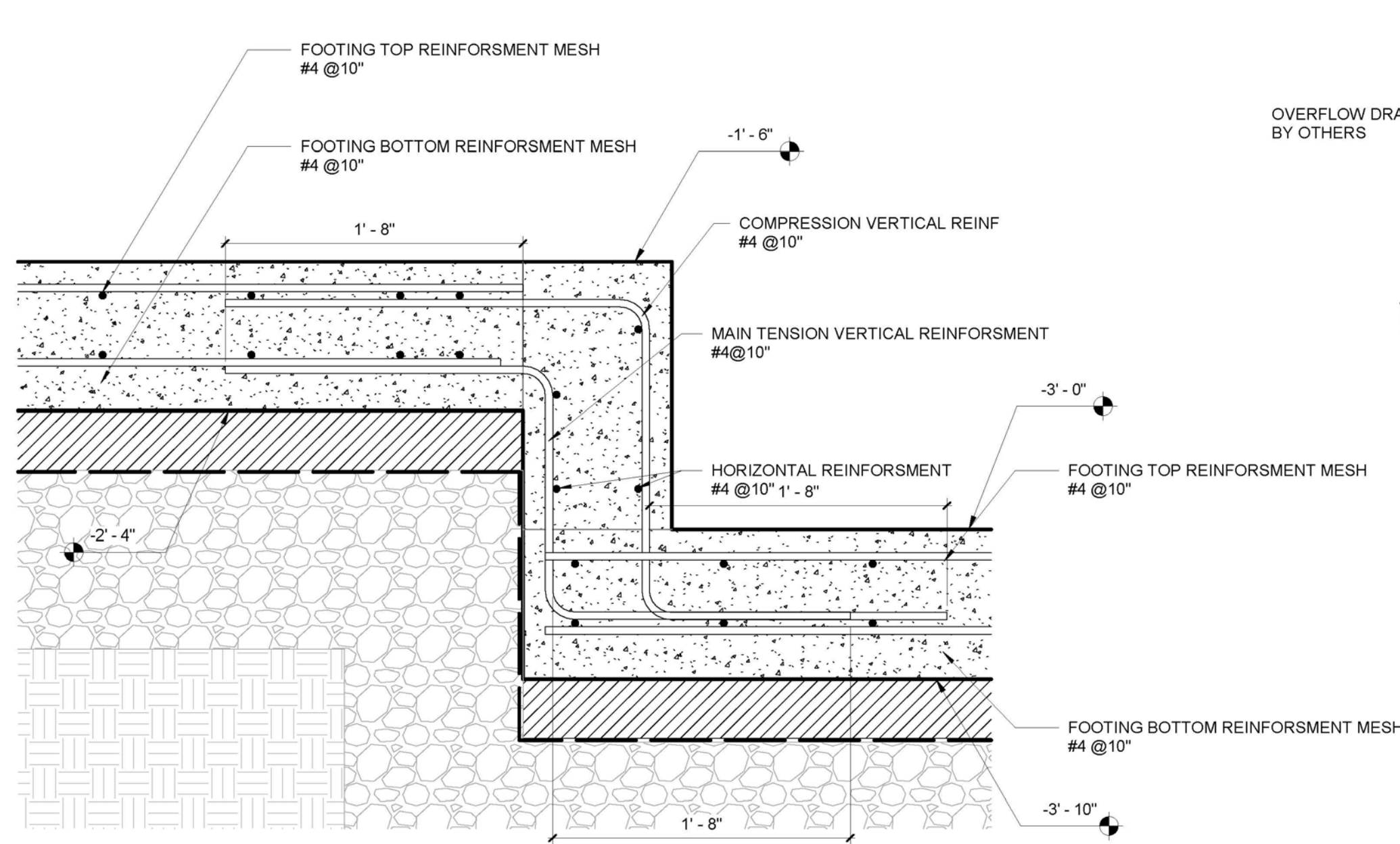
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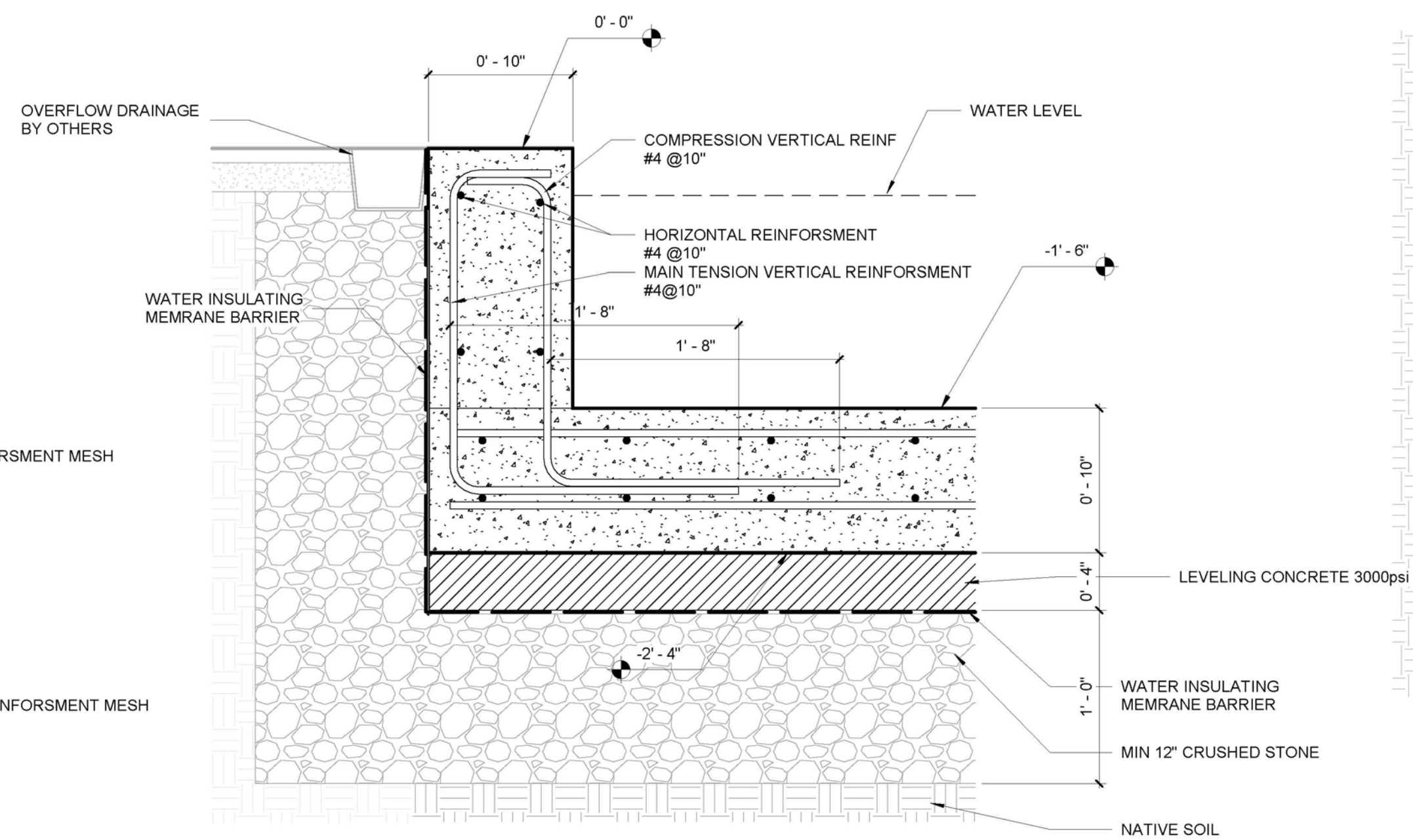
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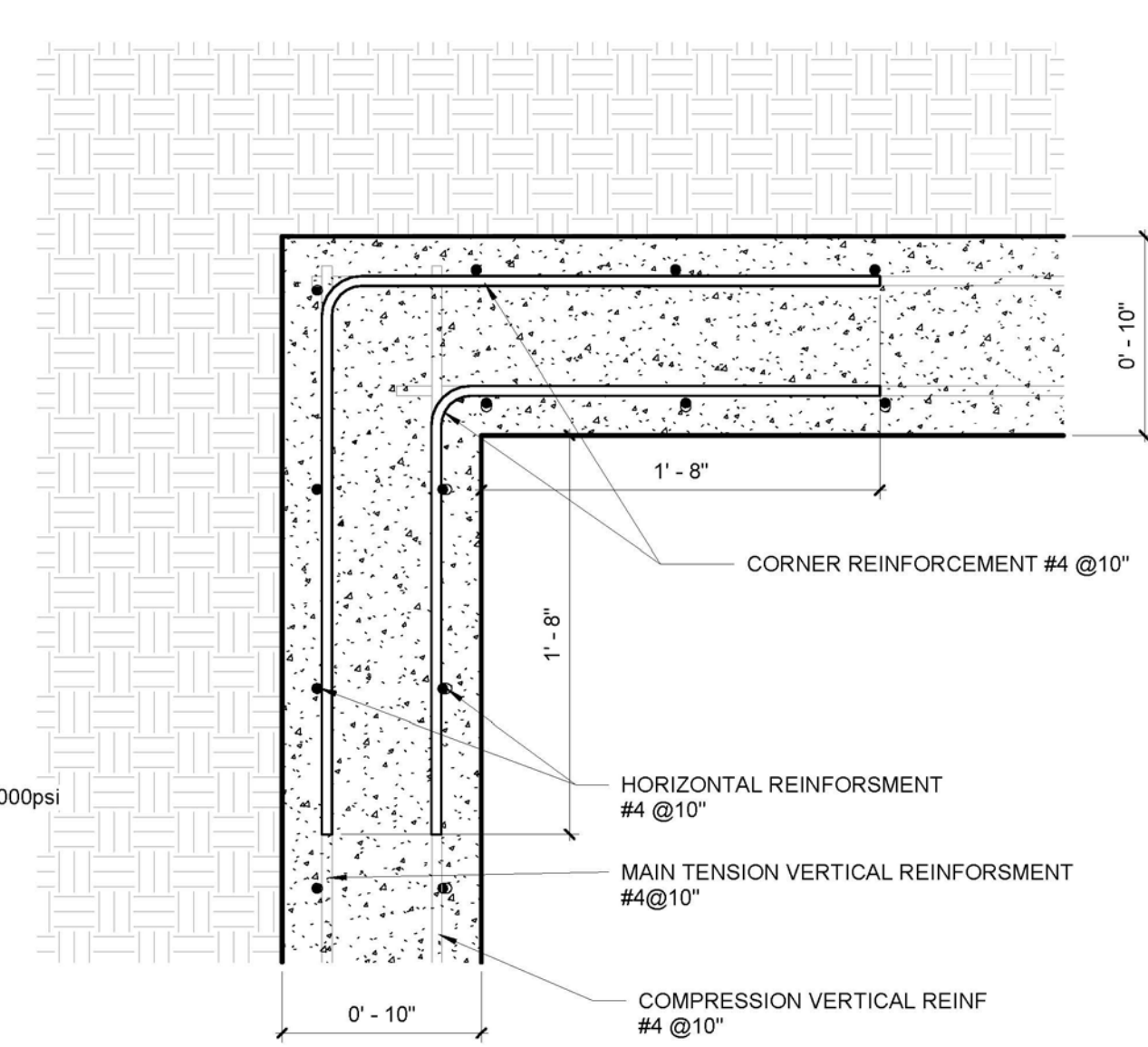
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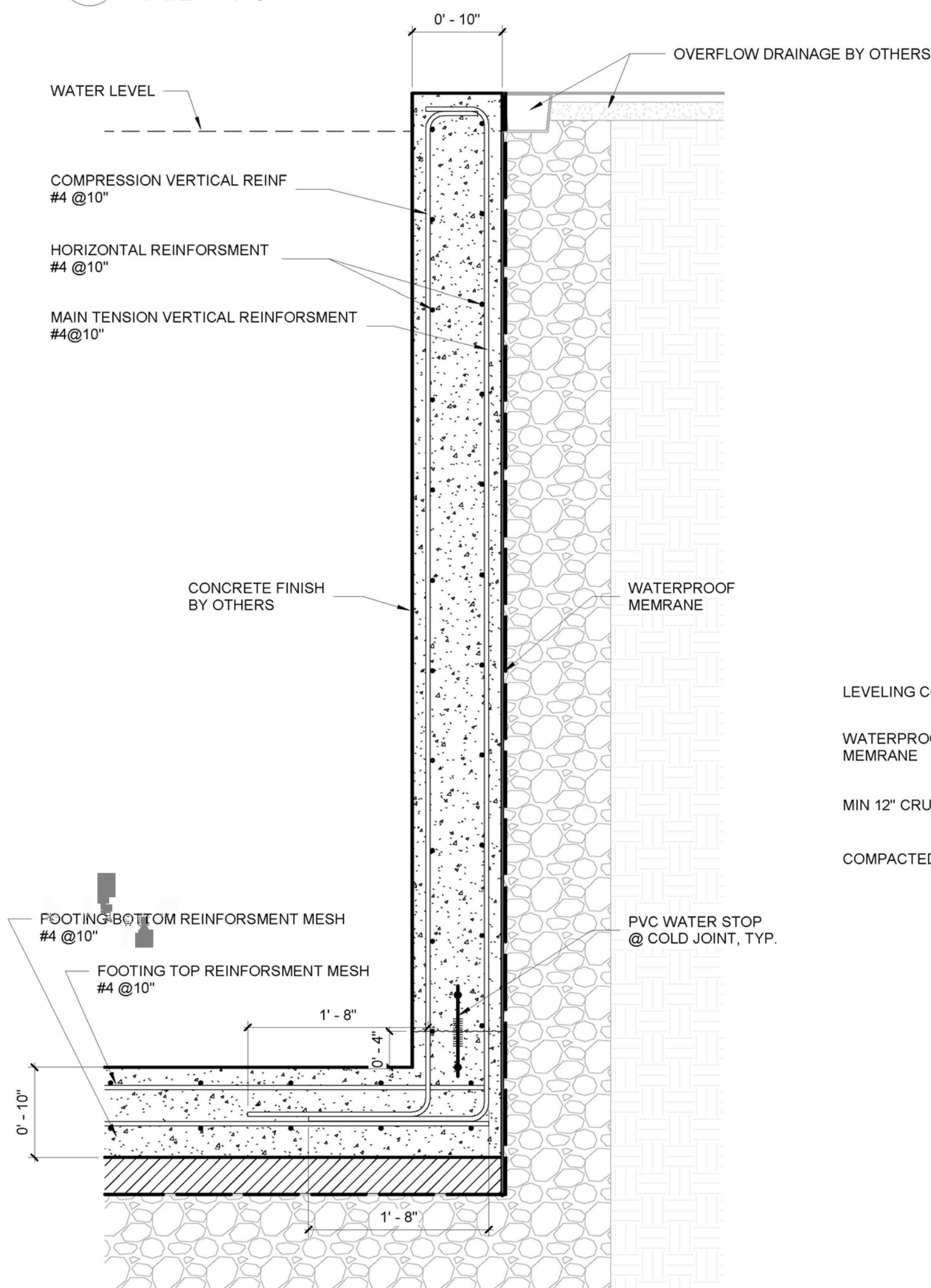
1 POOL SLAB TRANSITION DETAIL
1 1/2" = 1'-0"



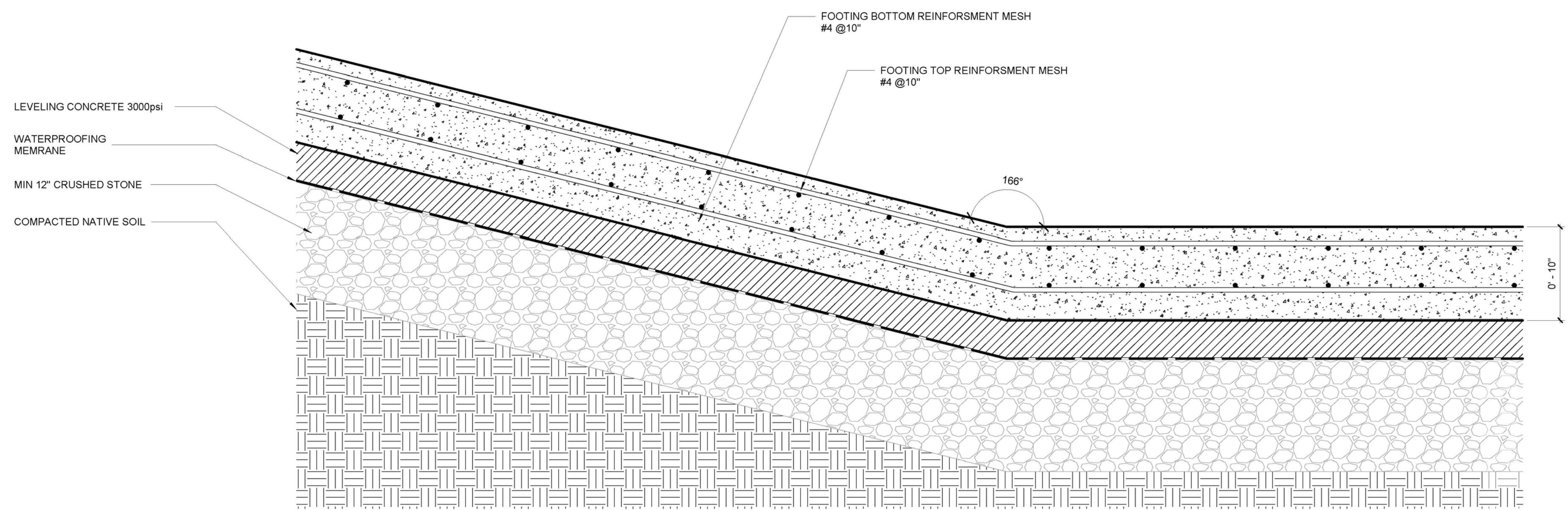
2 POOL SHALLOW EDGE DETAIL
1 1/2" = 1'-0"



3 POOL CORNER ADDITIONAL REINFORCEMENT DETAIL
1 1/2" = 1'-0"



4 POOL DEEP EDGE DETAIL
1" = 1'-0"



5 POOL SLAB SLOP TRANSITION DETAIL
1 1/2" = 1'-0"

SWENSON PARK POOL

SPUR, TX

POOL DETAILS

Drawn By:

Date:

PROJ. NO.:

S202

SHEET NO.