

SUMMIT AT WEST PRYOR

PROJECT INFORMATION

STATE: MISSOURI
COUNTY: JACKSON
CITY: LEE'S SUMMIT
TYPE: NON-DIVING POOL
SCOPE: SINGLE BODY POOL
CONSTRUCTION METHOD: SHOTCRETE
SANITATION: CHLORINE
HEATED: NATURAL GAS

PROJECT TEAM

MIDWEST CUSTOM POOLS

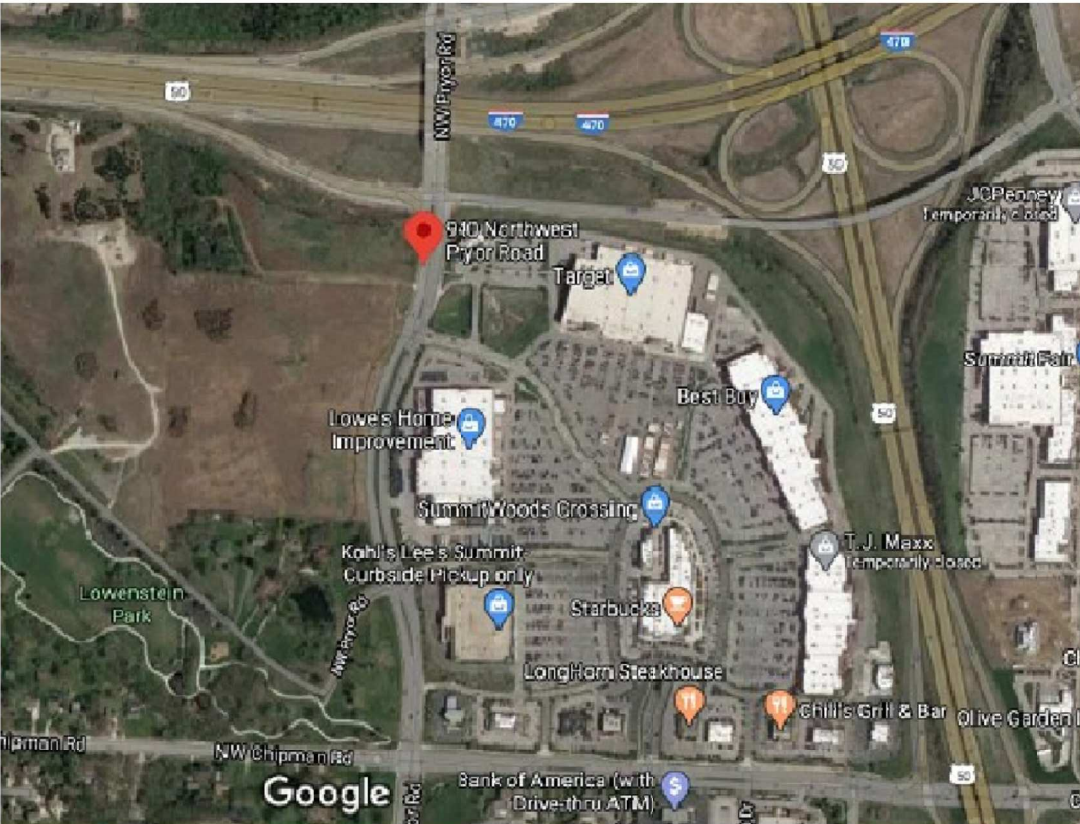
GLEN WESTERVELT, PRESIDENT
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CLINT PINNICK, PROJECT MANAGER
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CLINT@MIDWESTCUSTOMPOOLS.COM

GENERAL NOTES

- > ANY CHANGES IN CONSTRUCTION PLANS OR EQUIPMENT MUST BE APPROVED BY THE COUNTY HEALTH DEPARTMENT. CHANGES MAY REQUIRE ADDITIONAL PLAN CHECK FEES AND RE-SUBMITTAL.
- > POOL PLAN APPROVAL DOES NOT AUTHORIZE THE VIOLATION OF ANY LAW, ORDINANCE, OR REGULATION AND FINAL APPROVAL IS SUBJECT TO FIELD INSPECTION.
- > ALL EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S INSTRUCTIONS.

VICINITY MAP



POOL DATA

PERIMETER: 224 - FT

SURFACE AREA: 2050 - SQFT

APPROXIMATE VOLUME: 45,000 - GALLONS

MINIMUM TURNOVER: 4 TIMES PER 24 HRS

DESIGNED FLOW RATE: 125 - GPM

GENERAL NOTES

- > ALL EQUIPMENT AND MATERIALS NOT SHOWN OR SPECIFIED ON THESE PLANS, BUT REQUIRED TO COMPLETE THIS PROJECT, SHALL BE SUPPLIED BY THE POOL CONTRACTOR AS PART OF THIS CONTRACT WORK.
- > REINFORCING STEEL OF ALL AQUATIC FEATURES SHALL BE BONDED WITH A #8 COPPER WIRE. TIED BOND TO EACH MECHANICAL SYSTEM AND ALL RAIL ANCHORS AND METAL WITHIN 5 FT OF POOL EDGE.

GENERAL NOTES

- > ALL STEEL TO BE GRADE 40, #4 BAR AND A MINIMUM OF 12" ON CENTER EACH WAY HORIZONTAL AND VERTICAL. DAM WALLS 12" THICK TO HAVE A DOUBLE MAT OF STEEL
- > REINFORCING STEEL TO BE PLACED A MINIMUM OF 2" BELOW EXPOSED FACE OF CONCRETE

SHEET INDEX

- SD0.00 COVER SHEET
- SD1.01 SUBMITTALS
- SD2.01 LAYOUT PLAN
- SD3.01 PLUMBING PLAN - SUCTION
- SD3.02 PLUMBING PLAN - RETURN
- SD4.01 LIGHTING PLAN
- SD5.01 BONDING PLAN
- SD6.01 PROFILE & REBAR PLAN
- SD8.01 DETAILS

SPECIFICATIONS

- > 4 FT. MAX WATER DEPTH
- > (2) MAIN DRAINS
- > (9) SURFACE SKIMMERS
- > (9) RETURNS
- > (1) 3 HP VARIABLE SPEED CIRCULATION PUMP
- > (12) LED LIGHTS
- > (1) 48" SAND FILTER
- > (1) LIQUID CHLORINE SANITATION SYSTEM
- > (1) 400K BTU ASME NATURAL GAS HEATER
- > (1) ADA CHAIR LIFT
- > INTELLICHEM CHEMICAL AUTOMATION W/ ACID & CHLORINE INJECTION SYSTEM
- > AUTOFILL WATER LEVEL SYSTEM
- > WATER LINE TILE, STANDARD
- > DEPTH MARKER TILES IN WATER LINE AND COPING
- > SUPER BLUE QUARTZ INTERIOR FINISH
- > MARKER RIBBON, 2 ROWS OF 1" TILE, STANDARD
- > SAFETY GRIP COPING
- > GEO FOAM FORMING SYSTEM

CODE COMPLIANCE

- > ANSI POOL AND SPA STANDARD TO PREVENT SUCTION ENTRAPMENT
- > VIRGINIA GRAEME BAKER SAFETY ACT
- > COUNTY ENVIRONMENTAL SANITARY CODE
- > COUNTY CODE OF REGULATIONS FOR BUILDINGS AND CONSTRUCTION.

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08.10.20 rev2

Drawn By: DN

SHEET NO.

SD0.00

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Installers' Guide

Stair Rails – 3-Bend

- Tailing 1/8" x 1/8" OD
- Weld Thickness 1/8" or 3/16"
- Stainless Steel 304 or 316L Marine Grade** (add HSG to part number)
- 10kpsi T Factor
- Custom Reroute coding and Self-Drilling Self-Tapping available
- Recommended anchors AS-1008 (order separately)
- Recommended excavator TP-3027 (order separately)
- * 150-pound nail thickness is .045 for Commercial
- ** Minimum requirement for rail posts is 316L Marine Grade

Model #	Description	A	B	C	D	E	Sizing		
							Weight	Length	Width/Height
3B-R4	4" 3-BEND	20"	0" 0"	18"	32"	20"	11.55 lbs	100'	42" 2"
							5-1/8" dia	100' dia	100' dia
3B-R5	5" 3-BEND	20"	0" 0"	18"	32"	20"	15.34 lbs	72"	42" 2"
							1-1/4" dia	100' dia	100' dia
3B-R6	6" 3-BEND	20"	0" 0"	18"	32"	20"	12.21 lbs	84"	62" 2"
							1-1/2" dia	100' dia	100' dia
3B-R4	4" 3-BEND	20"	0" 0"	18"	32"	30"	15.34 lbs	144"	42" 2"
							5-1/8" dia	120' dia	120' dia
3B-R5	5" 3-BEND	20"	0" 0"	18"	34"	24"	15.34 lbs	72"	42" 2"
							1-1/4" dia	100' dia	120' dia
3B-R7	7" 3-BEND	20"	0" 0"	18"	30"	24"	15.34 lbs	144"	42" 2"
							1-1/4" dia	120' dia	120' dia
3B-R8	8" 3-BEND	20"	0" 0"	18"	34"	30"	21.09 lbs	144"	42" 2"
							10-1/8" dia	120' dia	120' dia

Notes:

- * AISI 304 is the standard material for 3B-R4 and 3B-R5 and is not suitable for HSG rail.
- If mounting hardware is to be used, install the rail on a minimum 1/2" x 10" or larger member.
- For maximum height or load rating, AISI 316 is the preferred material for 3-Bend models or 3-Bend HSG.

SRSmith

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- Globrite® white LED lights are engineered with the brightest, most efficient LED light technology on the market today.
- LED is an energy saving technology, luminescing with no-maintenance energy efficiency.
- Conserves 90% Watts to deliver the equivalent of 100-watts at one-tenth the light.
- Easy-to-use, sleek design allows for the beauty of water features, and endless entertainment.
- Savings add up with extended service life and energy efficiency.

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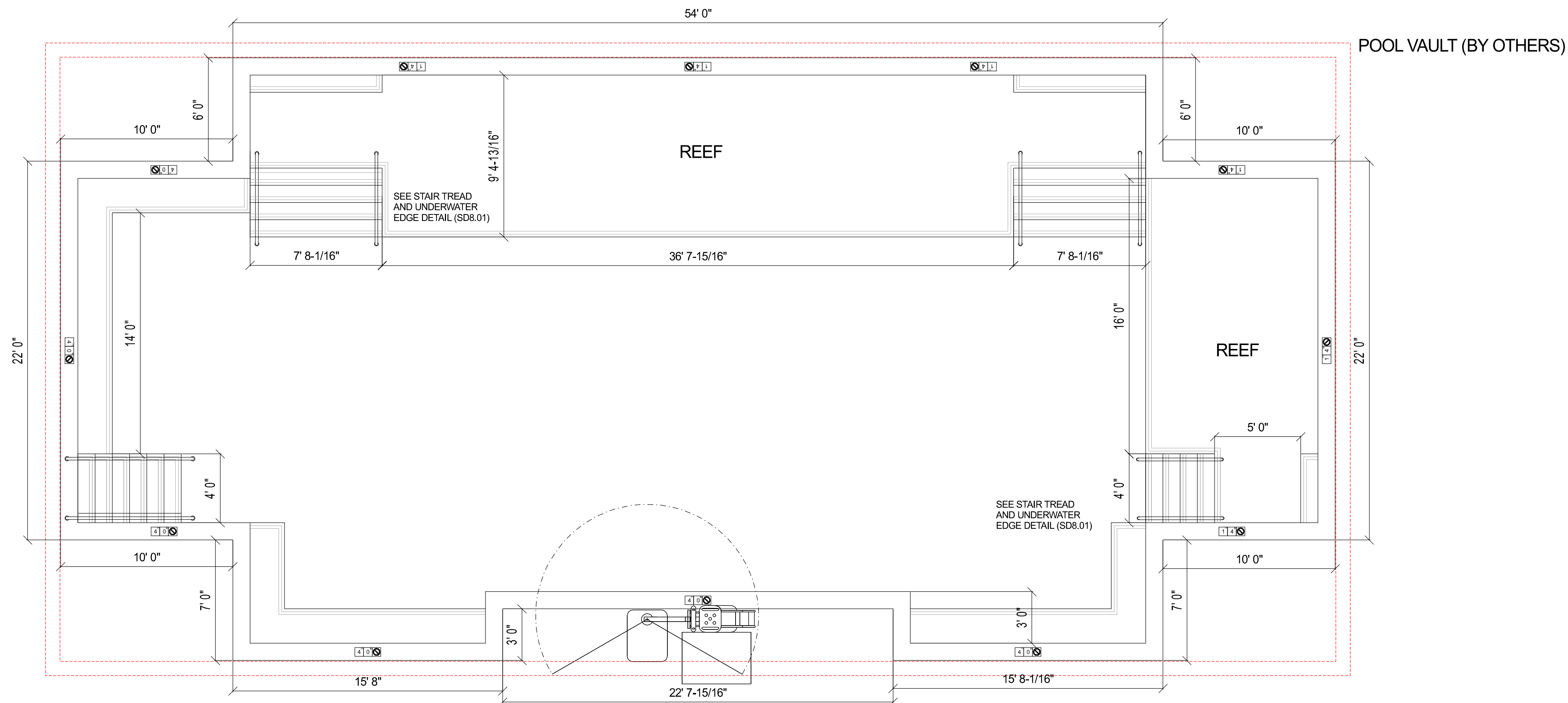
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PROVIDED BY OTHERS

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SHEET NO.
SD1.01



WORK TO BE DONE BY OTHERS

1. ALL ELECTRICAL WORK (BY OTHERS) MUST BE INSTALLED BY A LICENSED ELECTRICIAN IN ACCORDANCE WITH NEC AND APPLICABLE LOCAL CODES AND ORDINANCES.
2. BONDING SHALL BE PERFORMED IN ACCORDANCE WITH SECTION 680-25 OF NEC.
3. GAS LINE FOR HEATER BY OTHERS.
4. POOL DECK
5. DECK DRAINAGE BY OTHERS.
6. SANITARY LINE AND TERMINATION FOR BACKWASHING ARE BY OTHERS. MINIMUM FLOW RATE IS LISTED IN DESIGN DRAWINGS.
7. DOMESTIC WATER CONNECTIONS ARE BY OTHERS.
8. DRAINING OF POOL IS BY OTHERS.
9. REFERENCE AND FOLLOW THE GEOTECHNICAL REPORT FOR ALL PERTINENT INFORMATION REGARDING SITE CONDITIONS.
10. POOL VAULT

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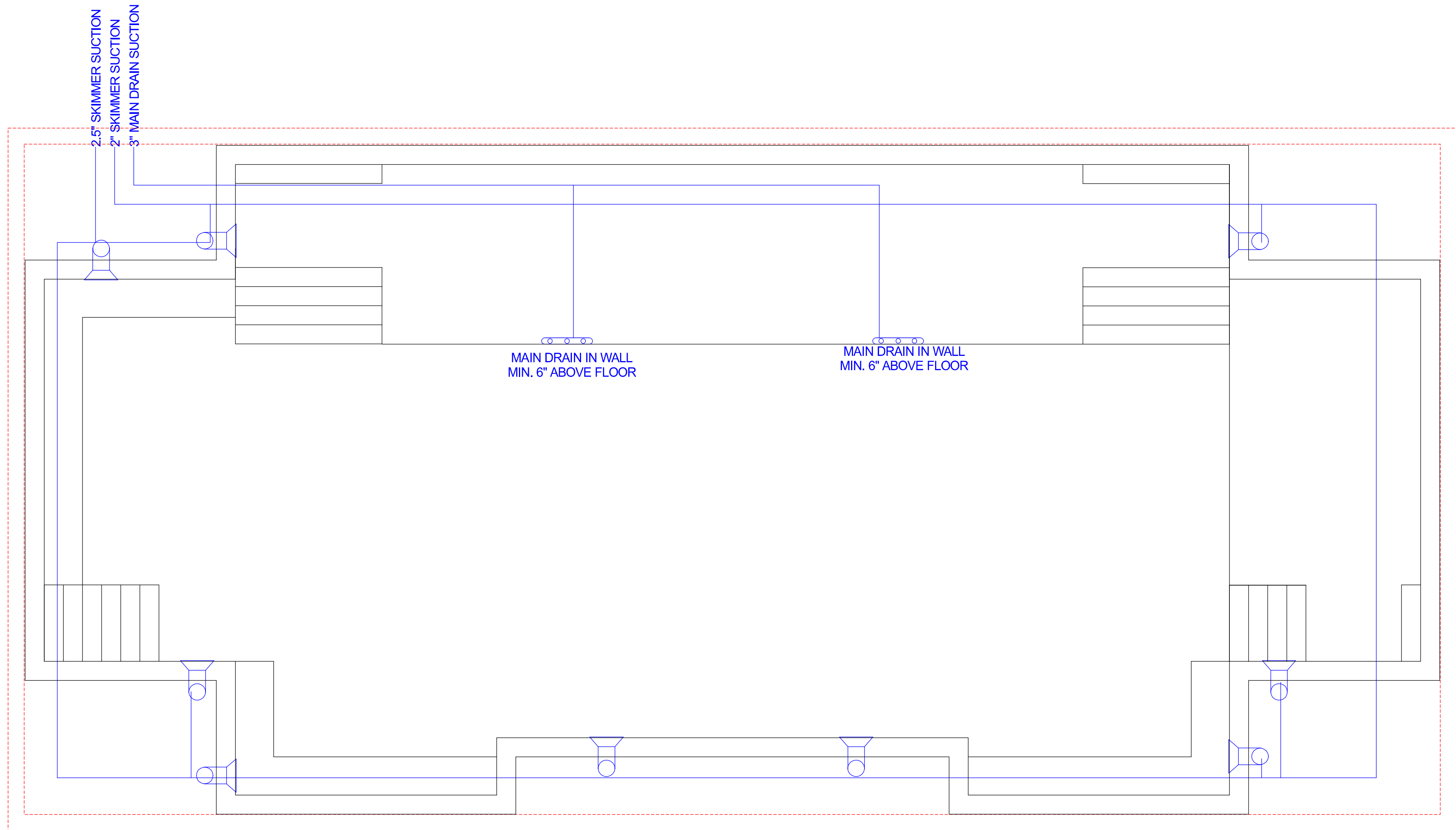
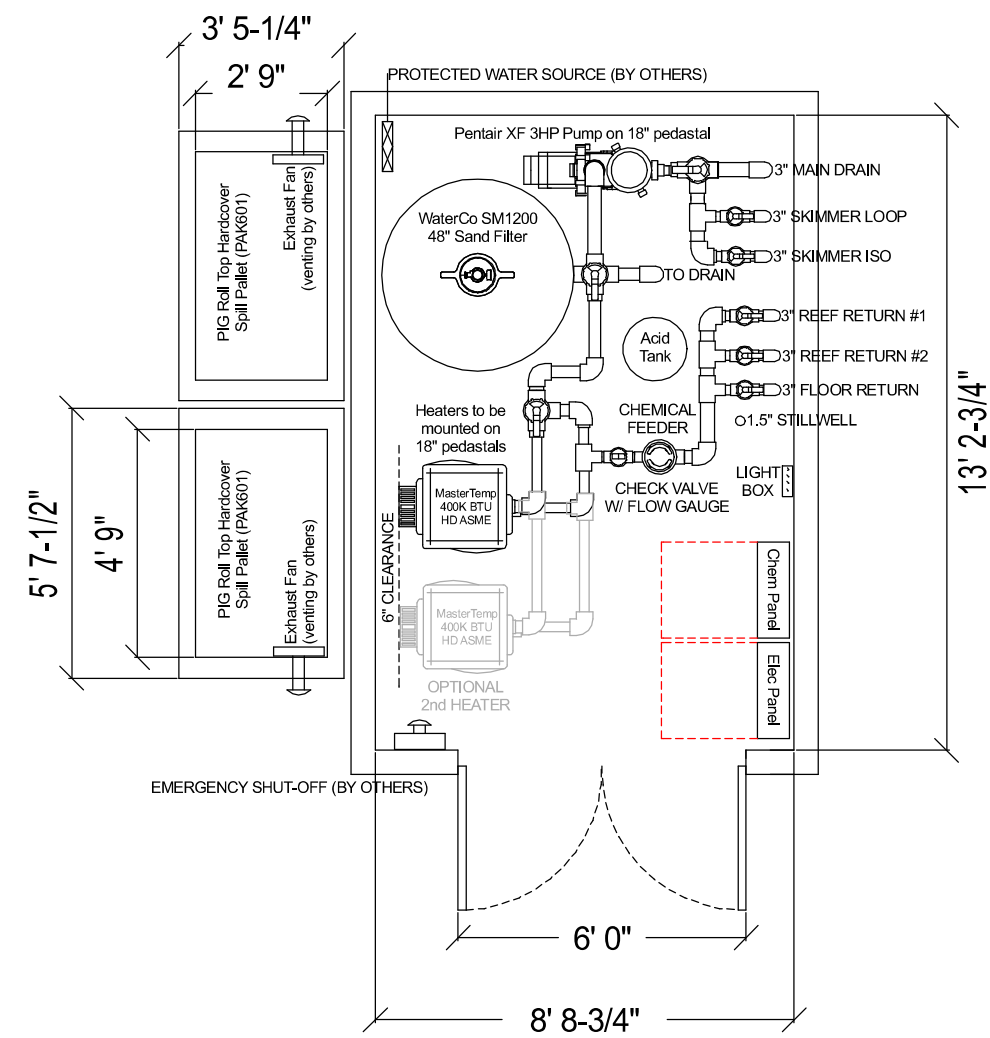


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POOL VAULT (BY OTHERS)



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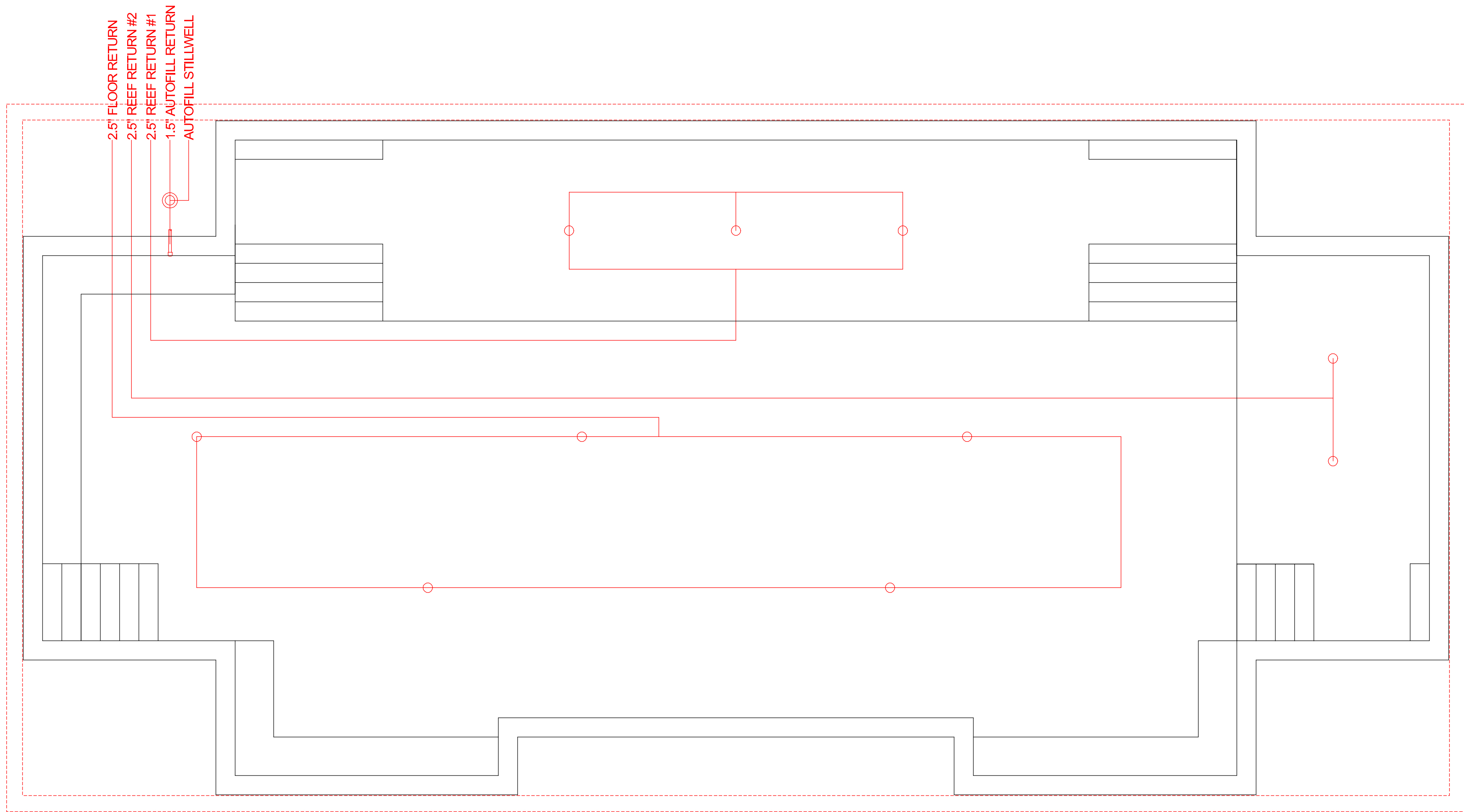
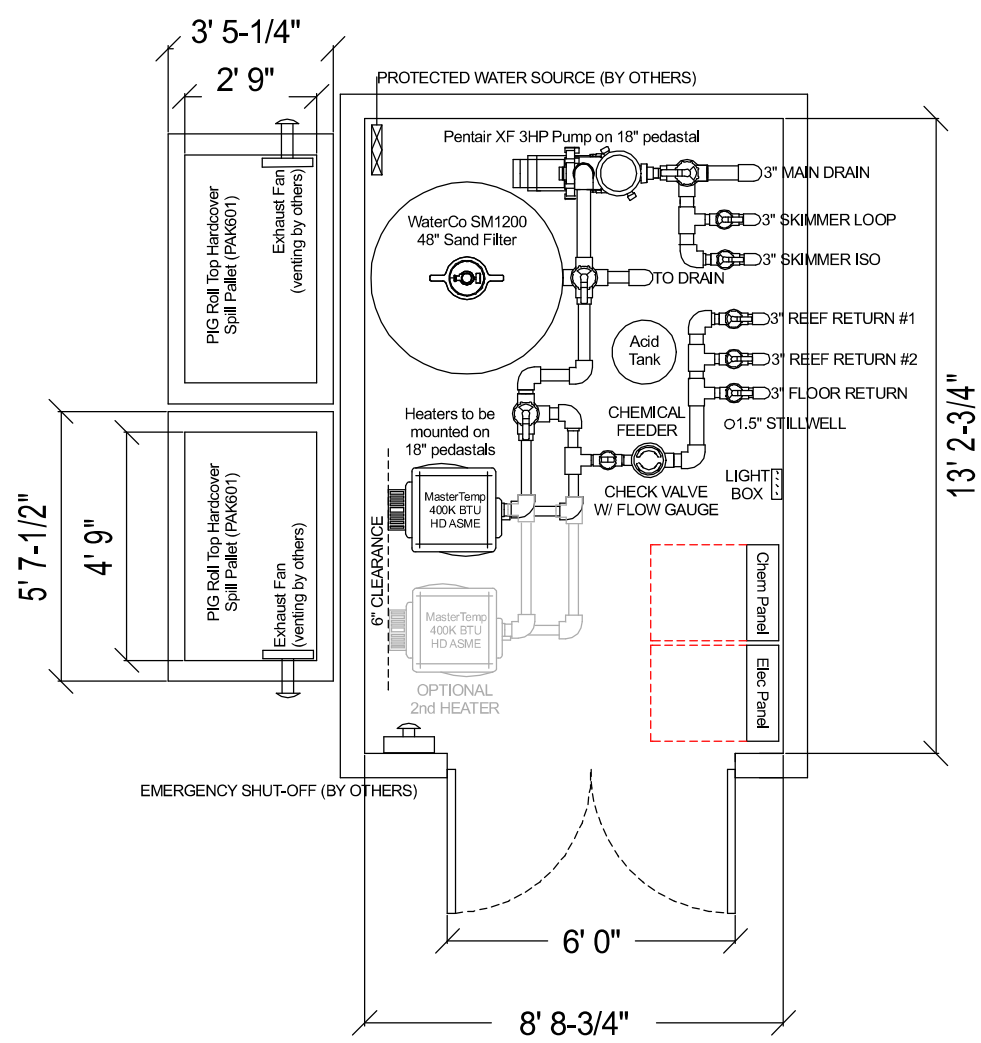
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The diagram is a floor plan of a rectangular building, labeled "REEF" in the center. The plan includes a reception desk at the top, a staircase on the left, and a staircase on the right. There are several sun-like symbols indicating light sources or windows. The plan is surrounded by a red dashed border and includes a complex network of dotted lines representing external connections or utilities.

The diagram is a floor plan of a rectangular building, labeled "REEF" in the center. The plan includes a reception desk at the top, a staircase on the left, and a staircase on the right. There are several sun-like symbols indicating light sources or windows. The plan is surrounded by a red dashed border and includes a complex network of dotted lines representing external connections or utilities.

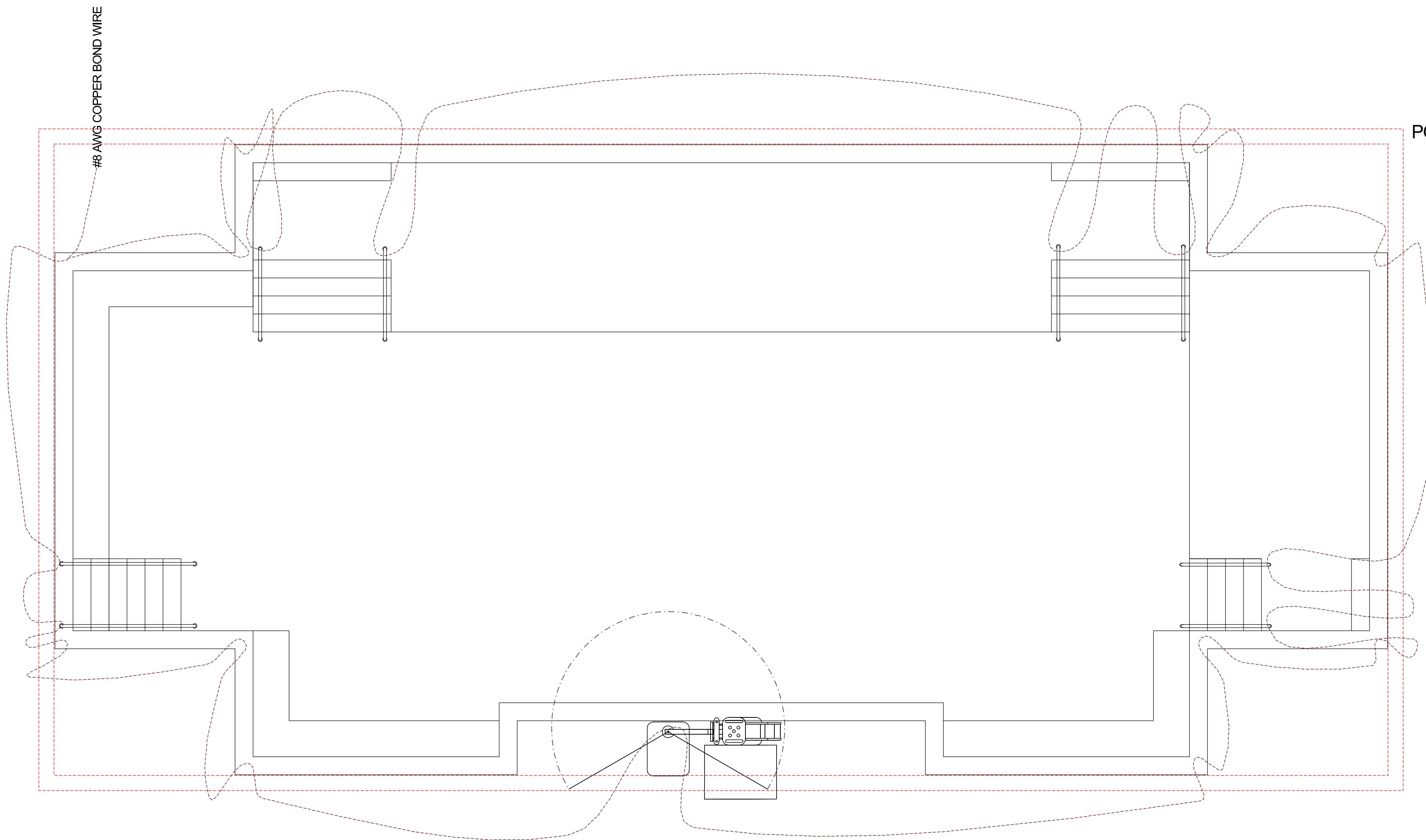


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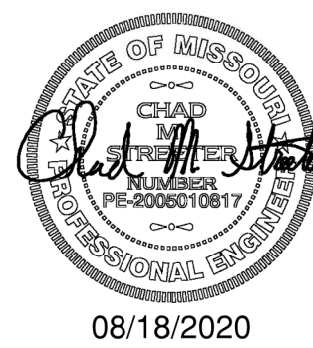
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BONDING SHALL BE PERFORMED IN ACCORDANCE
WITH SECTION 680-~~25~~ OF NEC.



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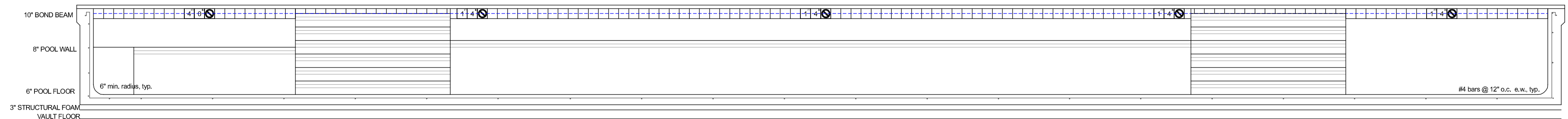
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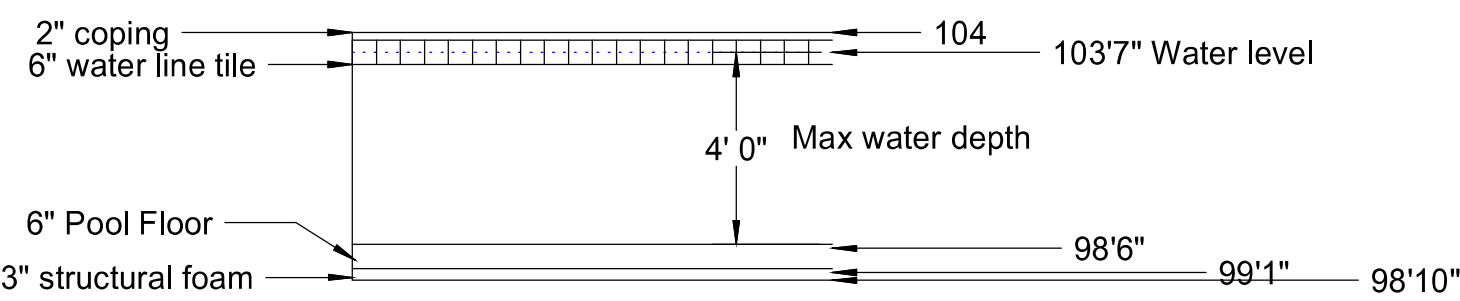
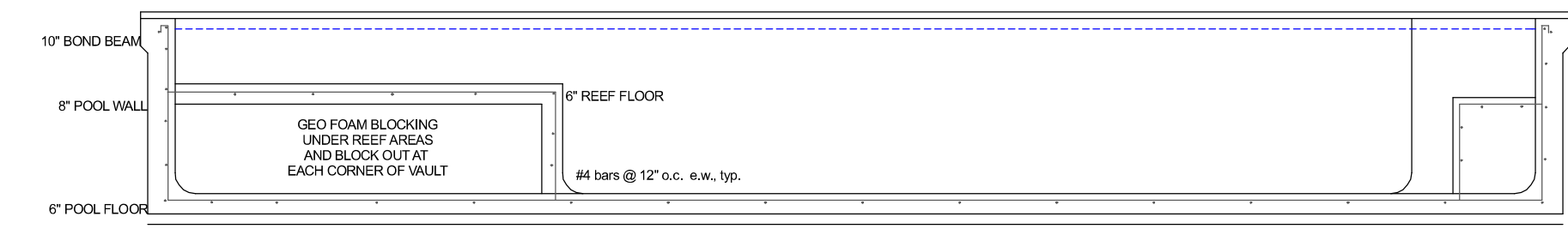
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PROFILE LENGTH



PROFILE WIDTH



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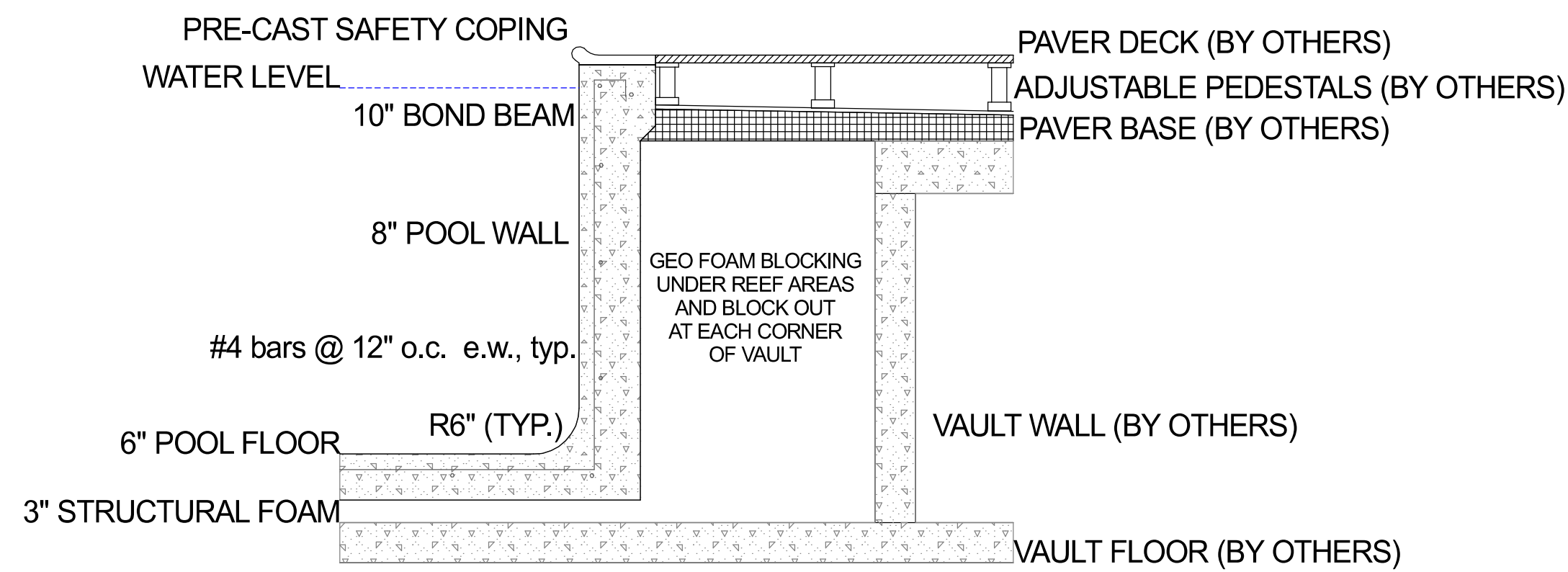
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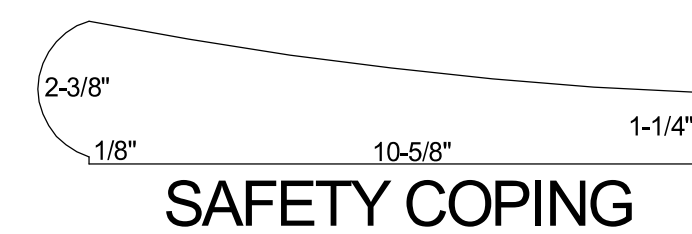
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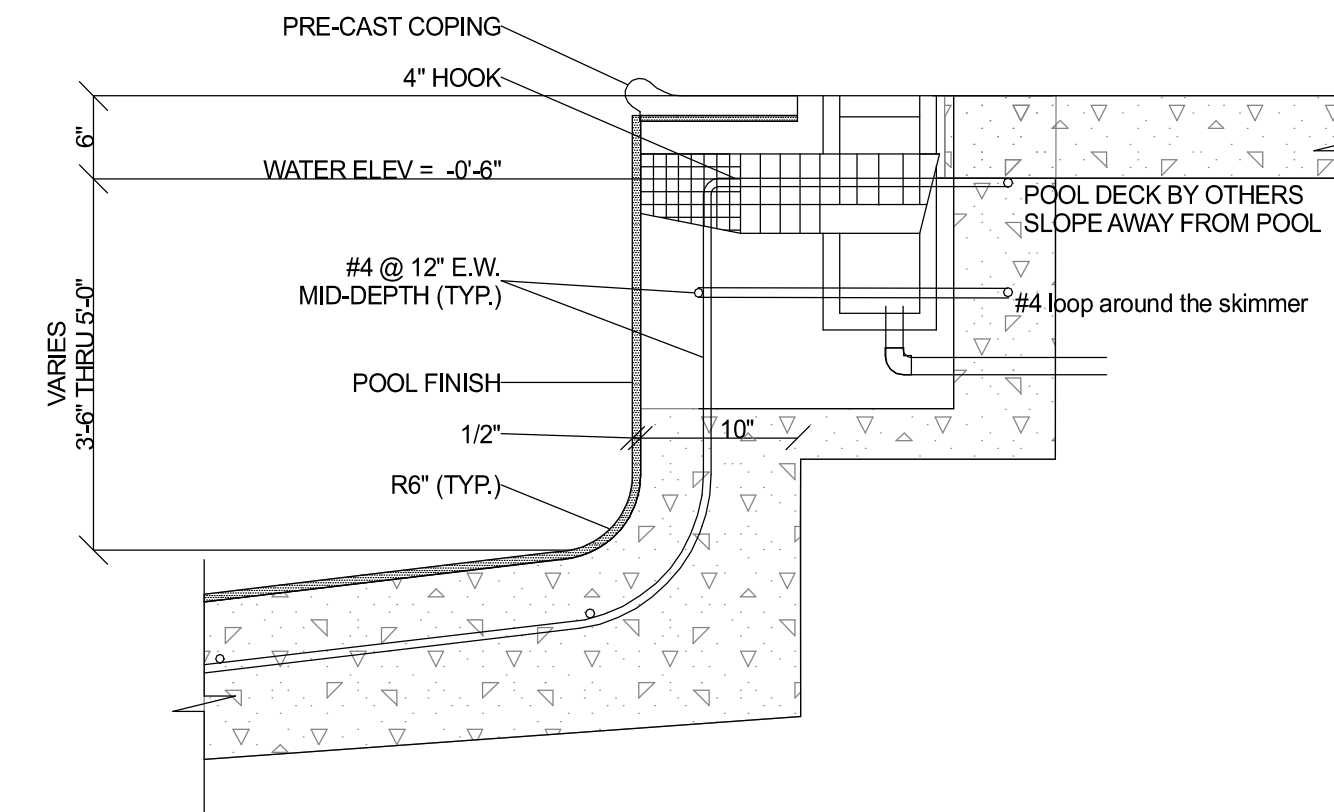
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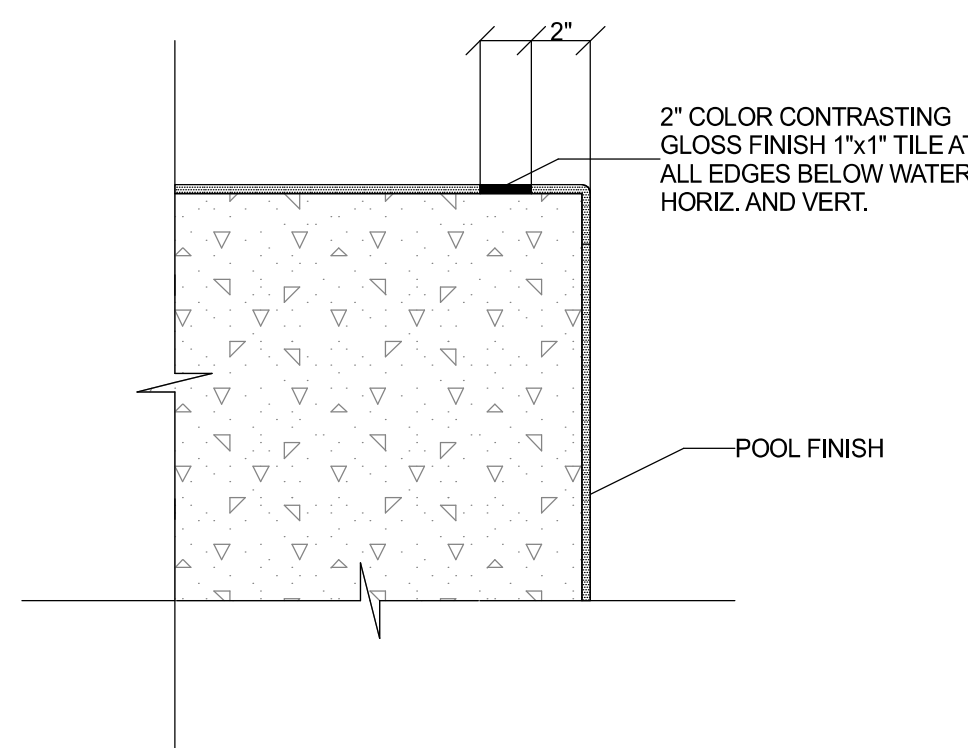
TYPICAL POOL WALL SECTION
NO SCALE



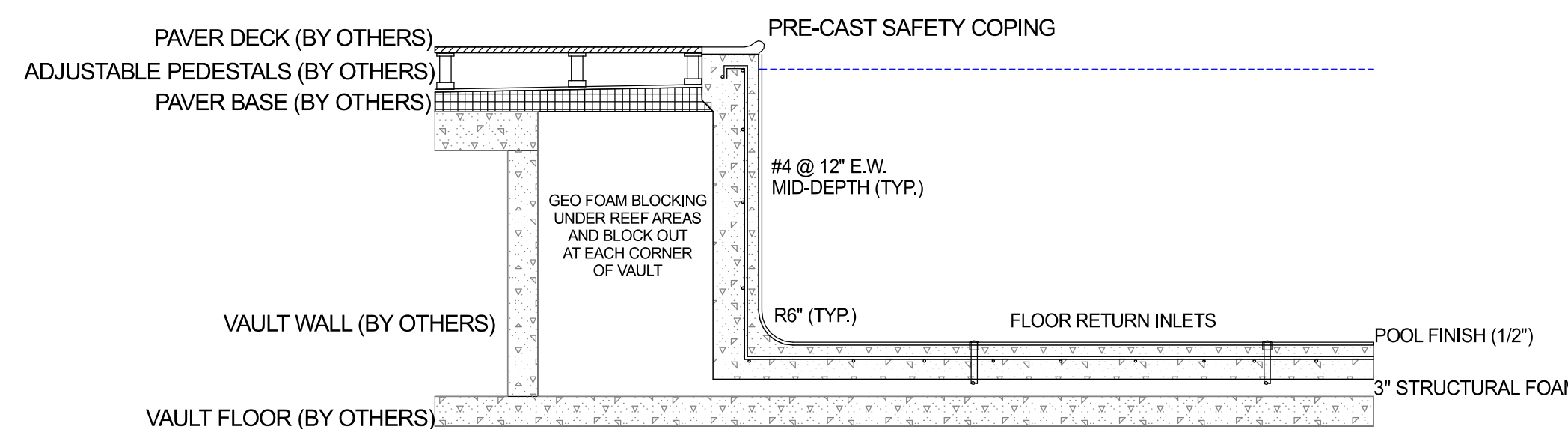
SAFETY COPING



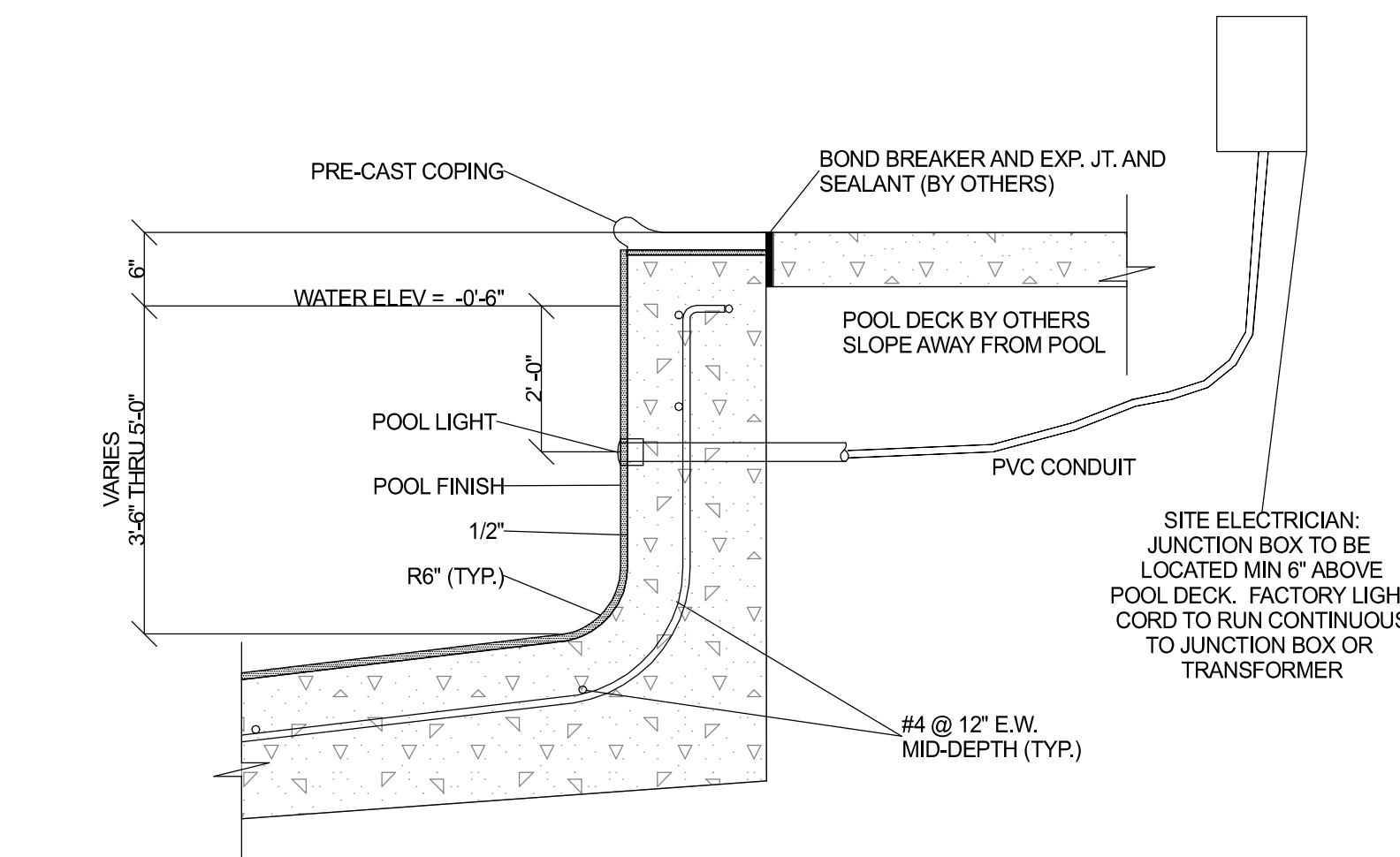
TYPICAL POOL SKIMMER SECTION
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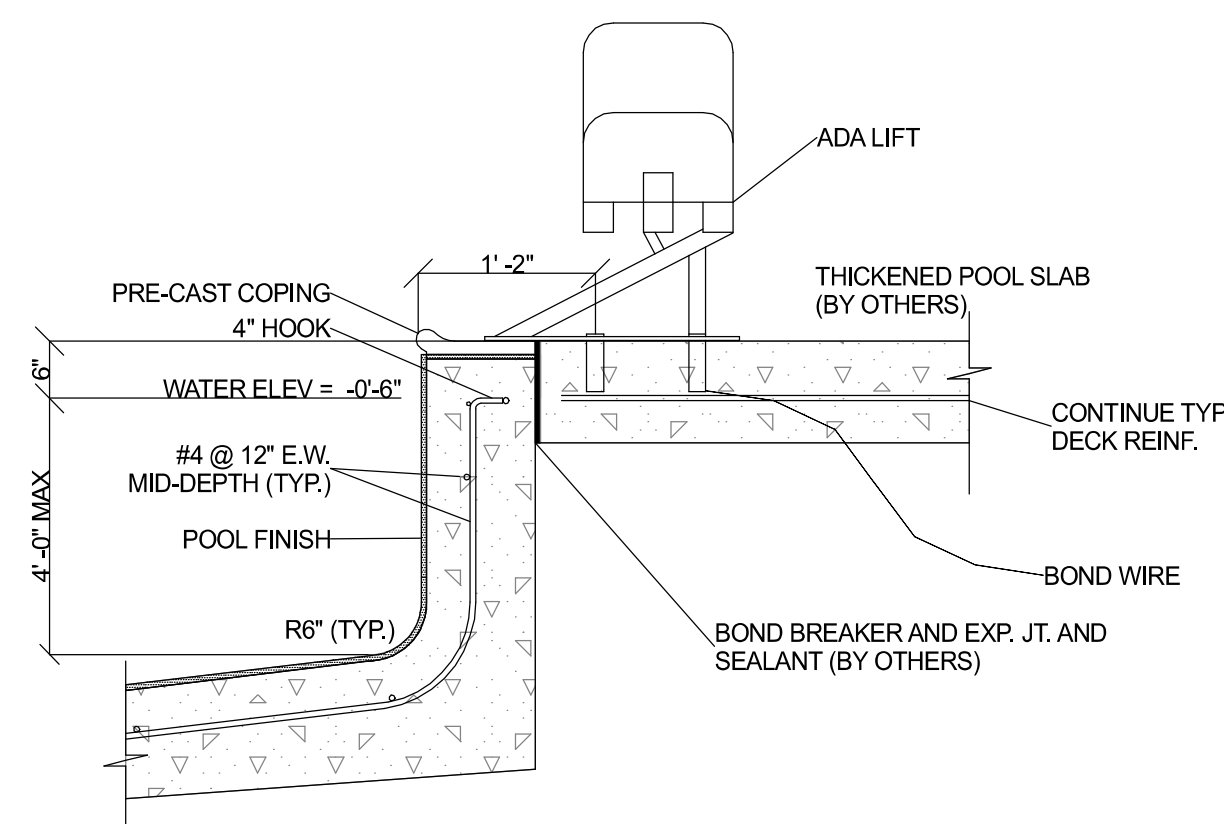
STAIR TREAD AND UNDER WATER EDGE DETAIL
NO SCALE



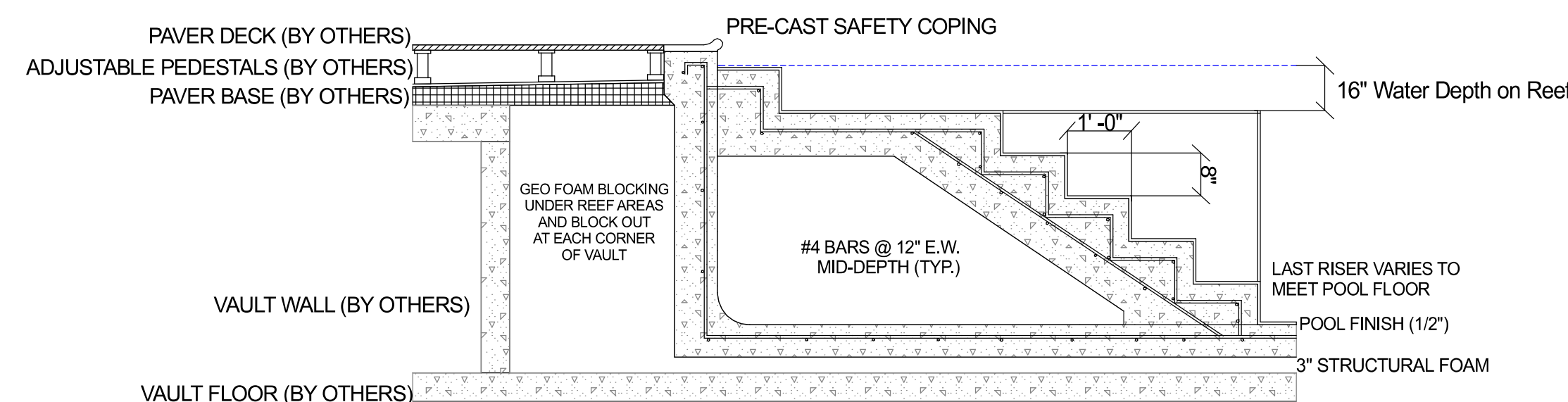
POOL RETURN DETAIL
NO SCALE



POOL LIGHT SECTION
NO SCALE



POOL ADA LIFT SECTION
NO SCALE



REEF STAIR DETAIL
NO SCALE



08/18/2020

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