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THE BUCKHOLTZ RESIDENCE

955 WORTON PARK DR.
MAYFIELD VILLAGE, OH 44143



17535 South Miles Rd.
Cleveland, Ohio 44128
216.581.5809 tel
WWW.HIGHLANDPOOLSANDSPAS.COM

POOL SPECIFICATIONS

POOL DIMENSIONS

- SIZE 16X32 WATER DIMENSIONS
- DEPTH 3'-6" - 5'-0"
- BENCH-SEE PLANS
- 15,000 GALLONS IN POOL
- 36 YARDS CONCRETE IN SHELL FOR POOL

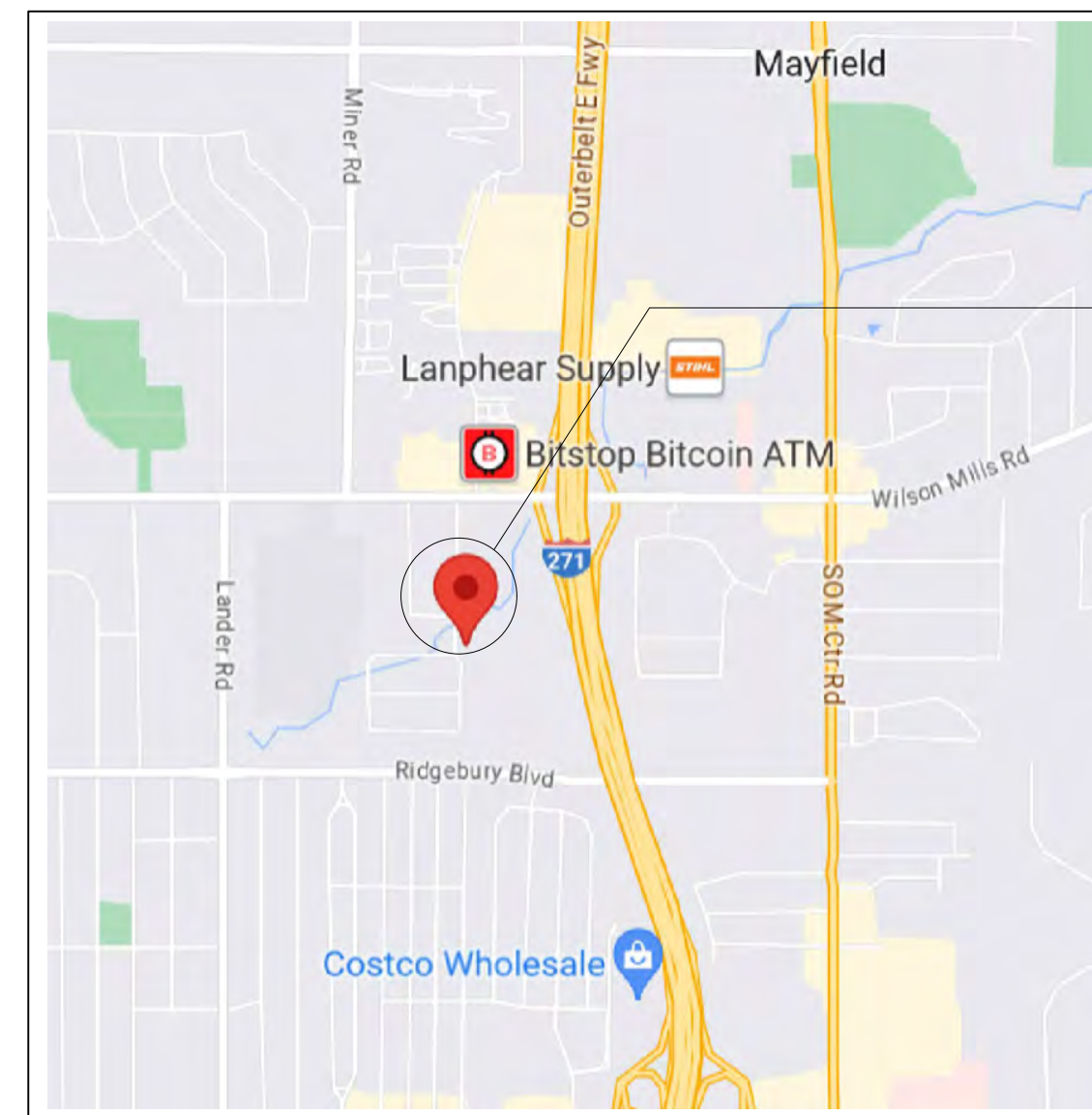
POOL EQUIPMENT

- FILTER-SFSM 100
- FILTRATION PUMP- JANDY VARIABLE SPEED
- HEATER- RAYPAK
- SANITATION- NATURE 2
- LIGHTING- 4 JANDY 24WATT LED

OPTIONS

- NATURE 2 MINERAL SANITIZER
- AUTOMATIC POOL COVER
- POLARIS CLEANER

PROJECT LOCATION



PROJECT LOCATION

DRAWING INDEX

- CS COVER SHEET AND NOTES
- C1.0 SITE PLAN
- EX1.0 EX. BACKYARD AND EXAMPLE WORK
- F1.0 FENCING DETAILS
- A1.0 POOL LAYOUT PLAN
- A1.1 POOL PLAN
- A2.0 SECTIONS AND DETAILS
- A3.0 AUTO COVER WIRING DETAILS
- A3.1 AUTO COVER DETAILS
- P1.0 PLUMBING PLAN
- P2.0 POOL EQUIPMENT DETAILS
- P3.0 POOL SCHEMATICS
- E1.0 ELECTRICAL PLAN
- B1.0 BONDING SCHEMATICS

ABBREVIATION LIST

- DIA. DIAMETER
- EQ. EQUAL
- MAX. MAXIMUM
- MIN. MINIMUM
- SIM. SIMILAR
- TYP. TYPICAL
- U.N.O. UNLESS NOTED OTHERWISE

SYMBOL LEGEND

- SEE ELEVATION Y, SHEET SX.X
- SEE SECTION Y, SHEET SX.X
- SEE DETAIL Y, SHEET SX.X
- SEE SECTION OR ELEVATION Y-Y, SAME DETAIL
- SEE ELEVATION Y-Y CLOSE UP, SAME DETAIL

!!DO NOT SCALE DRAWINGS!!
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QUESTIONS OR NEED DIMENSIONS

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**BUCKHOLTZ RESIDENCE
POOL**

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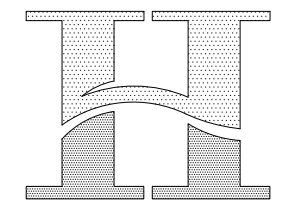
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Date 24 OCTOBER 2023
 Drawn JMR
 Checked EAS
 Scale AS NOTED

Sheet Title
COVER SHEET

Sheet No. **CS**

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SITE PLAN

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C1.0

Sheet No.



1 SITE PLAN
SCALE: 3/32" = 1'-0"



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3 SAMPLE WORK
SCALE: N.T.S.



2 SAMPLE WORK
SCALE: N.T.S.



1 SAMPLE WORK
SCALE: N.T.S.



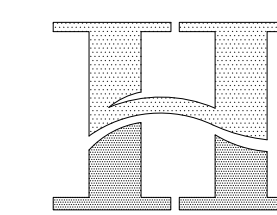
6 EXISTING BACKYARD
SCALE: N.T.S.



5 EXISTING BACKYARD
SCALE: N.T.S.



4 EXISTING BACKYARD
SCALE: N.T.S.



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SAMPLE WORK AND
EXISTING BACKYARD
PHOTOS

Sheet Title

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EX1.0

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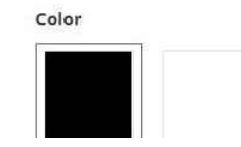


LATCHES & LOCKS

MAGNALATCH® SERIES 3 TOP PULL

FEATURES DETAILS SPECIFICATIONS VIDEO

Brand	MagnaLatch®
Product Code	ML3TP
Gate Application	Pool Gate, Child Safety Gate, Front Gate, Side Gate, Driveway Gate - Single, Pet Gate, Playground Gate, Public/Commercial Gate, Security Gate, Privacy Gate, Safety Gate
Gate Material	Aluminum, Steel/Ornamental Iron, Wood, Vinyl/PVC
Approx. Gate Size	3ft. W x 5ft. H (90cm x 1.5m)
Gate Frame/Post Shape	Square-to-Square
Min Post Size	1" + (25mm+)
Ideal Gate Gap	1/8" (19mm)
Fixing Method	Screw-On
Colour/Finish	Black, White
Lock Type	Rekeyable (to match door locks)



3 FENCE LATCH
SCALE: N.T.S.



2 GATE ELEVATION
SCALE: N.T.S.



1 FENCE ELEVATION
SCALE: N.T.S.



LATCHES & LOCKS

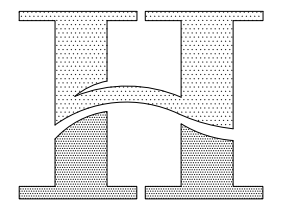
TRUCLOSE® HEAVY DUTY FOR METAL GATES

FEATURES DETAILS SPECIFICATIONS VIDEO

Brand	TruClose®
Product Code	TCHD1A53
Gate Application	Pool Gate, Child Safety Gate, Front Gate, Side Gate, Pedestrian Gate, Driveway Gate - Double, Driveway Gate - Single, Pet Gate, Playground Gate, Public/Commercial Gate, Security Gate, Privacy Gate, Safety Gate
Gate Type	Self-Closing
Gate Material	Aluminum, Steel/Ornamental Iron
Self-Closing Gate Weight	Up to 154lb (70kg)
Approx. Gate Size	4ft. W x 6ft. H (1.2m x 1.8m)
Gate Frame/Post Shape	Square-to-Square
Min Post Size	1 3/8" + (35mm)
Ideal Gate Gap	1/8" (19mm)
Fixing Method	Screw-On
Colour/Finish	Black, White, Brushed Metallic, Polished Metallic

Trim Finish
 BLACK CHROME BRUSHED WHITE/WHITE TRIM

4 HINGE DETAIL
SCALE: N.T.S.



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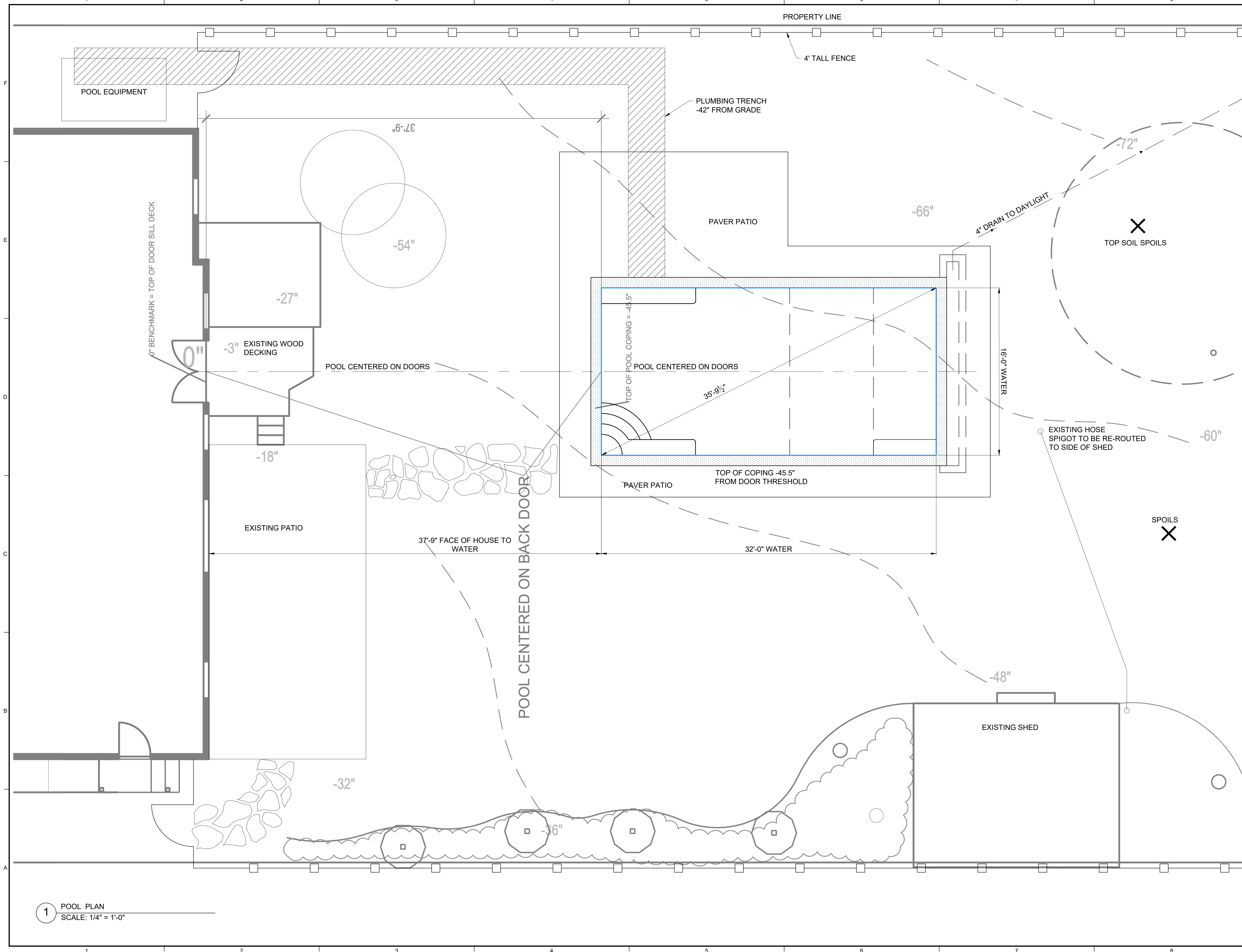
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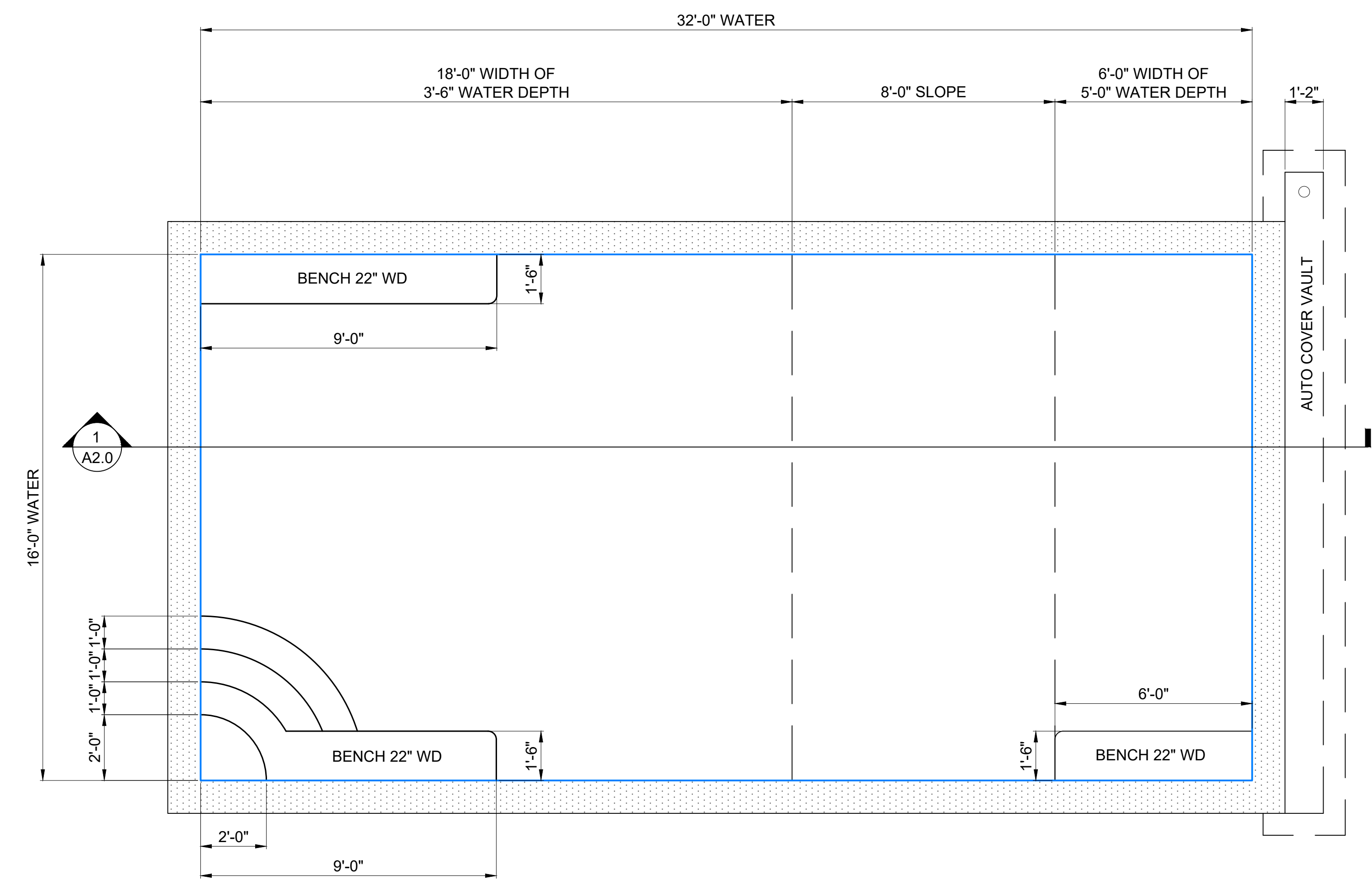
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POOL LAYOUT PLAN

Sheet No.
A1.0

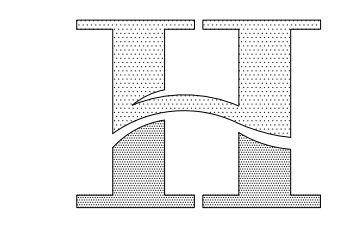
1 POOL PLAN
SCALE: 1/4" = 1'-0"

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HOUSE SIDE



1 POOL PLAN
SCALE: 3/8" = 1'-0"



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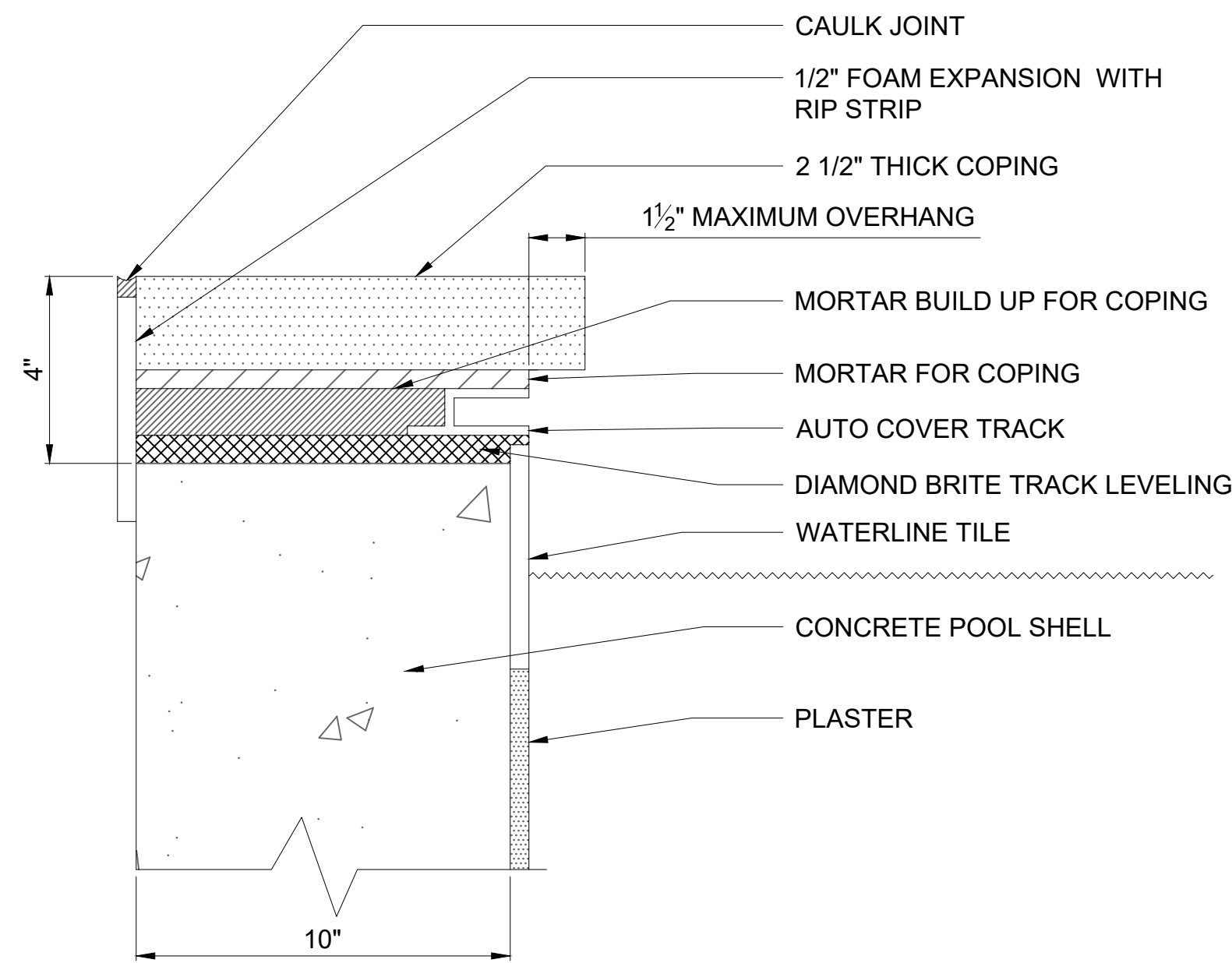
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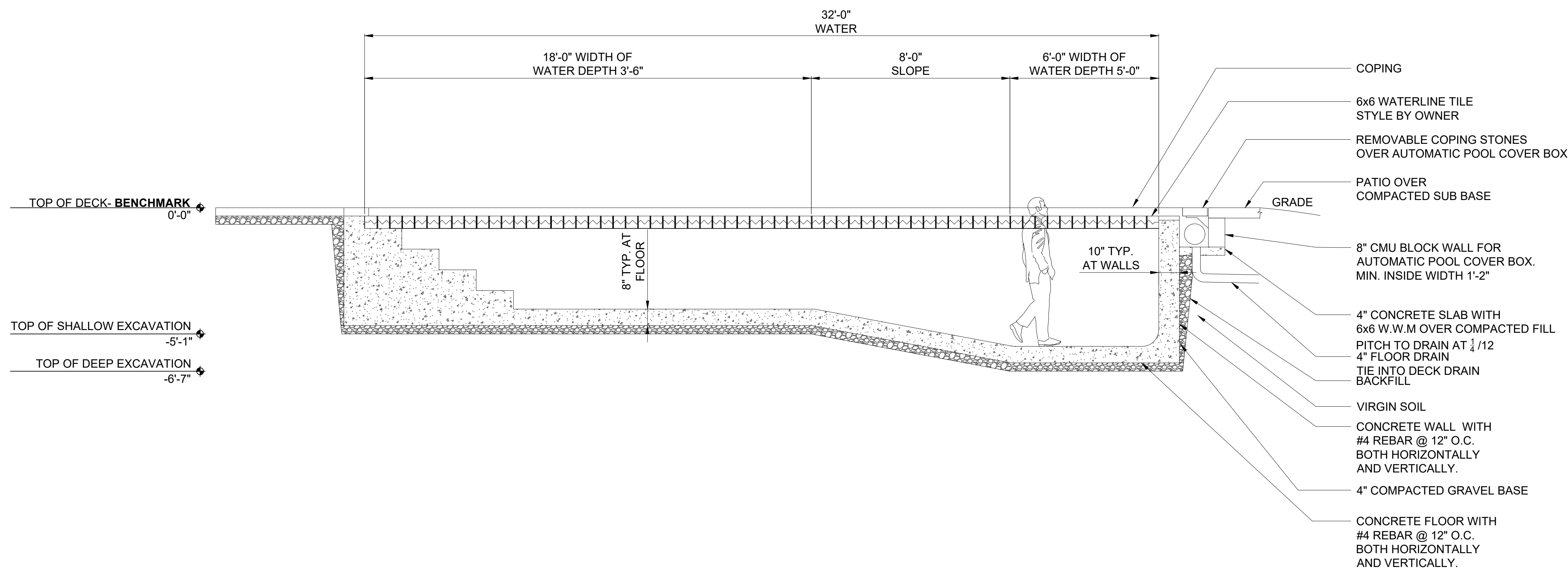
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POOL PLAN

Sheet No.
A1.1

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2 COPING SECTION WITH AUTO COVER TRACK
SCALE: 3" = 1'-0"



1 POOL SECTION
SCALE: 3/8" = 1'-0"



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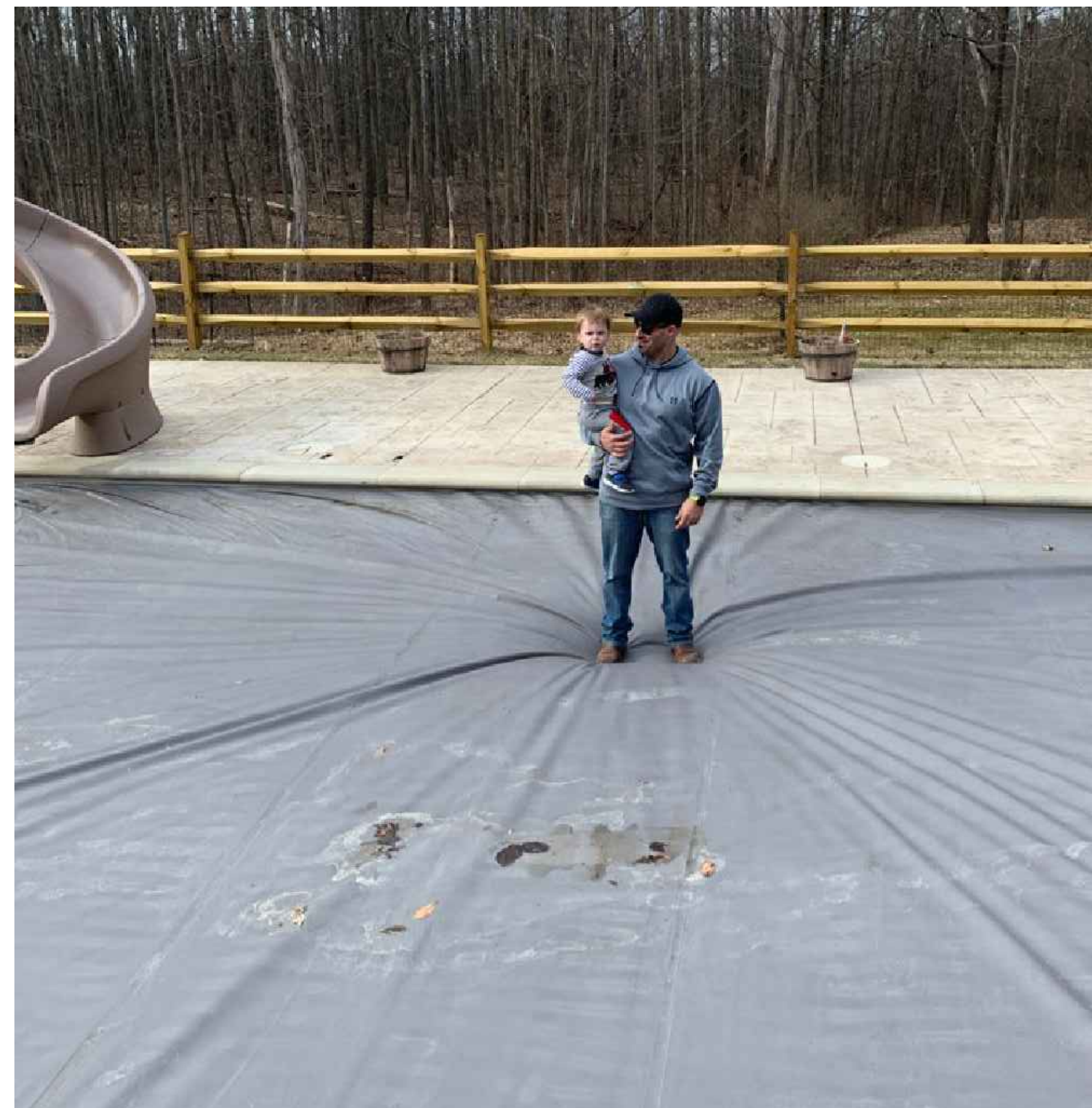
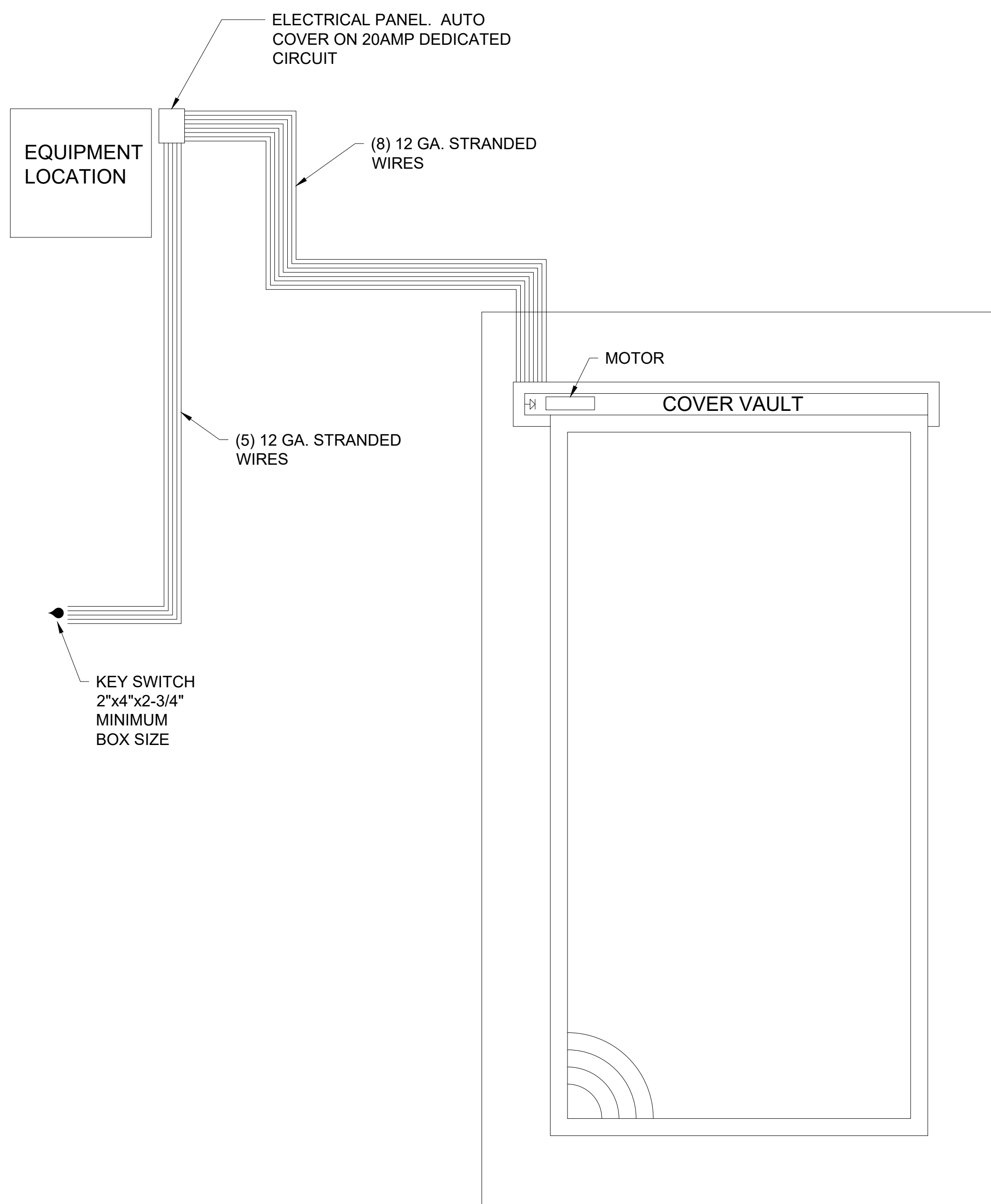
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POOL SECTION

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1 AUTO COVER **WITHOUT** SHUTOFF CONTROLLER
SCALE: 3/8" = 1'-0"

2 AUTO COVER DEMO
SCALE: 3/8" = 1'-0"



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**AUTO COVER
WIRING DETAILS**

Sheet Title

Sheet No.

A3.0

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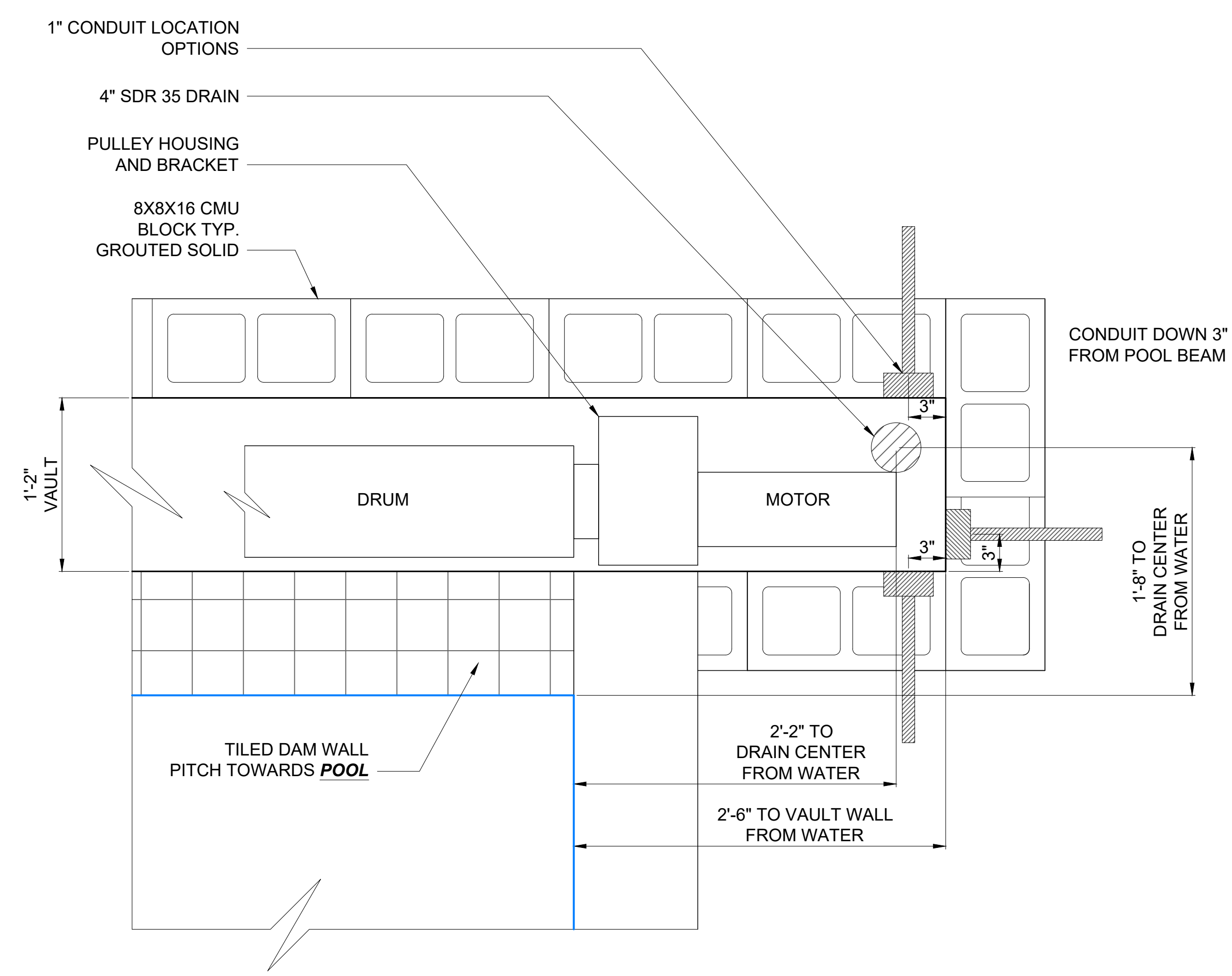
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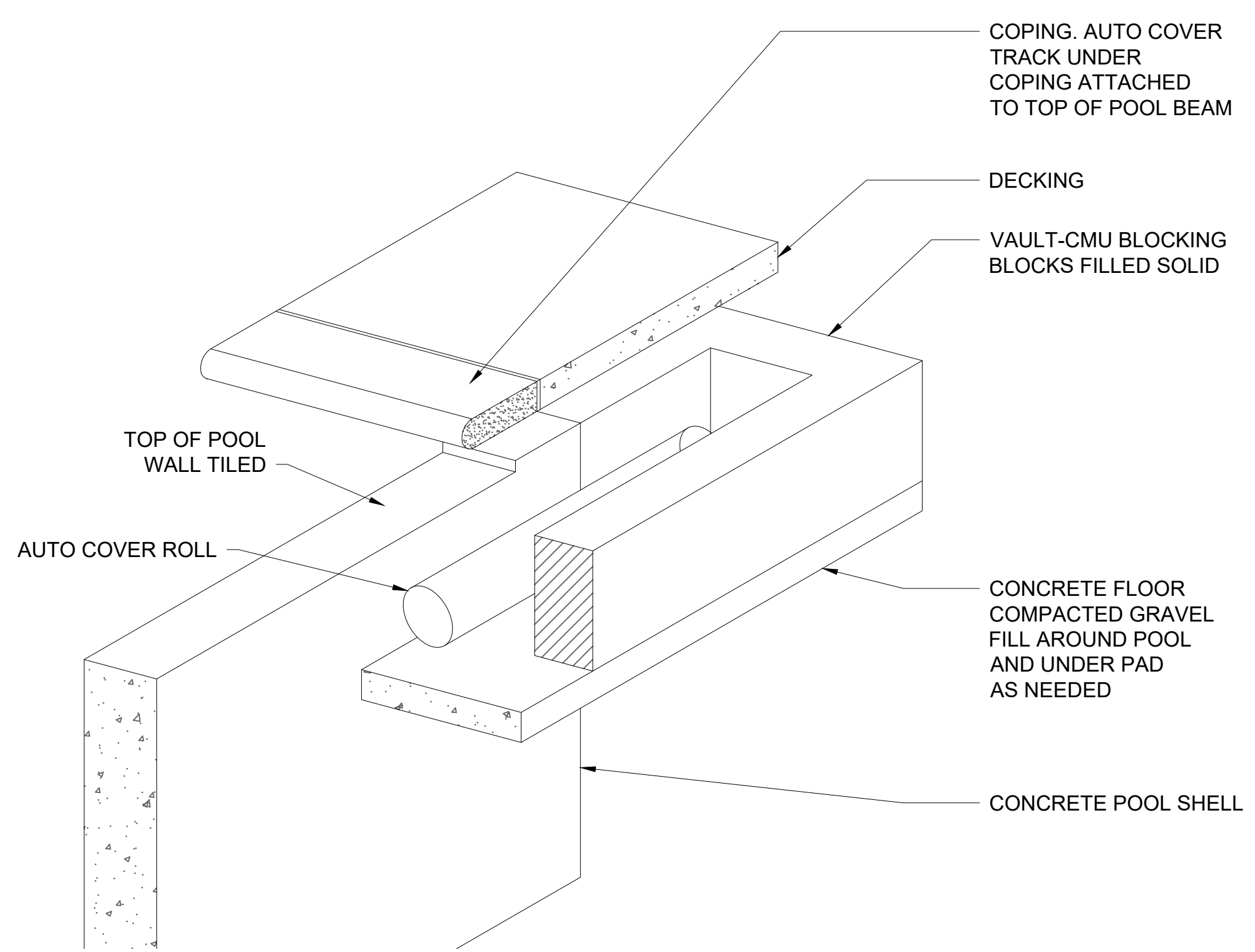
Date **24 OCTOBER 2023**
Drawn **JMR**
Checked **EAS**
Scale **AS NOTED**

**AUTO COVER
DETAILS**

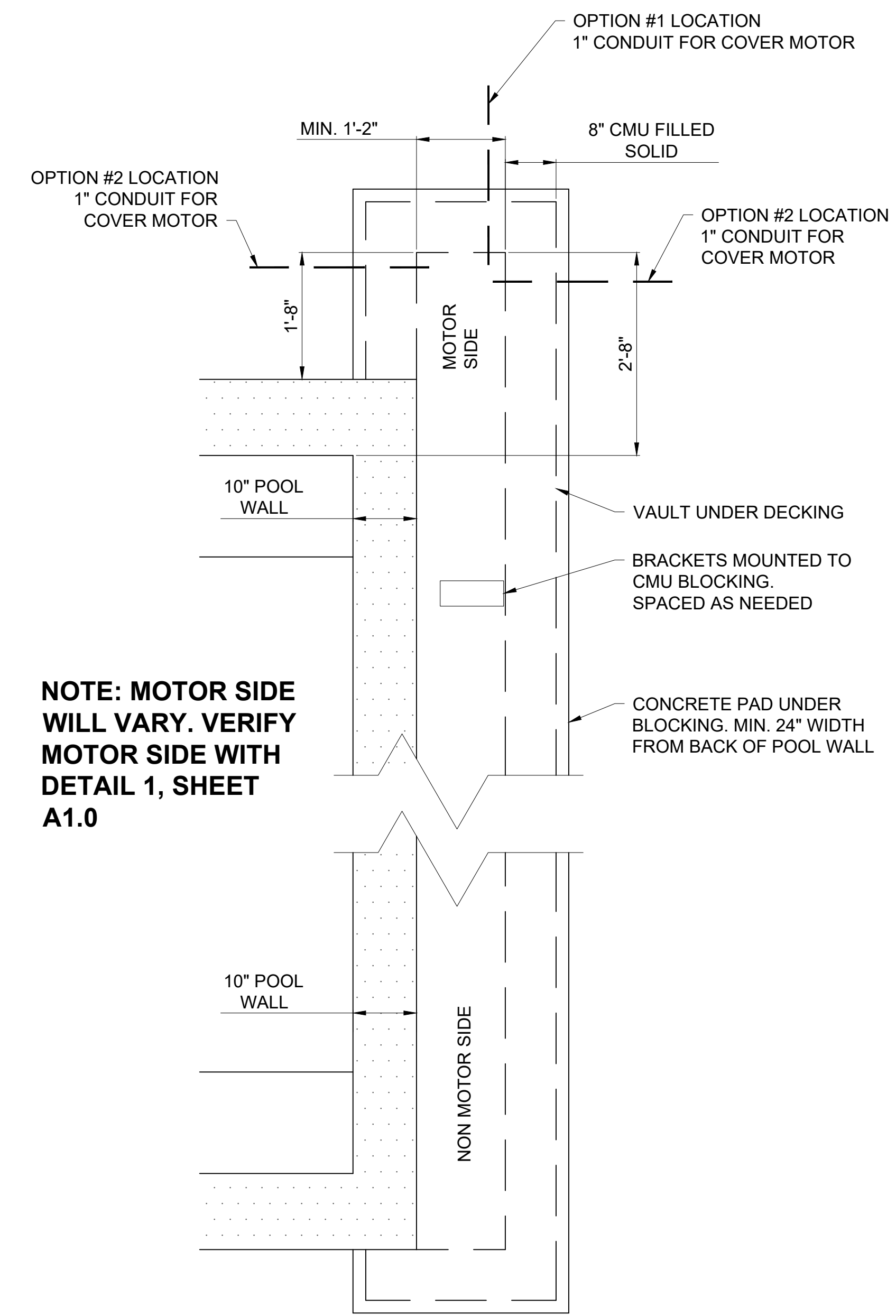
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A3.1
Sheet No.



3 AUTO COVER VAULT DETAILS
SCALE: 3/4" = 1'-0"



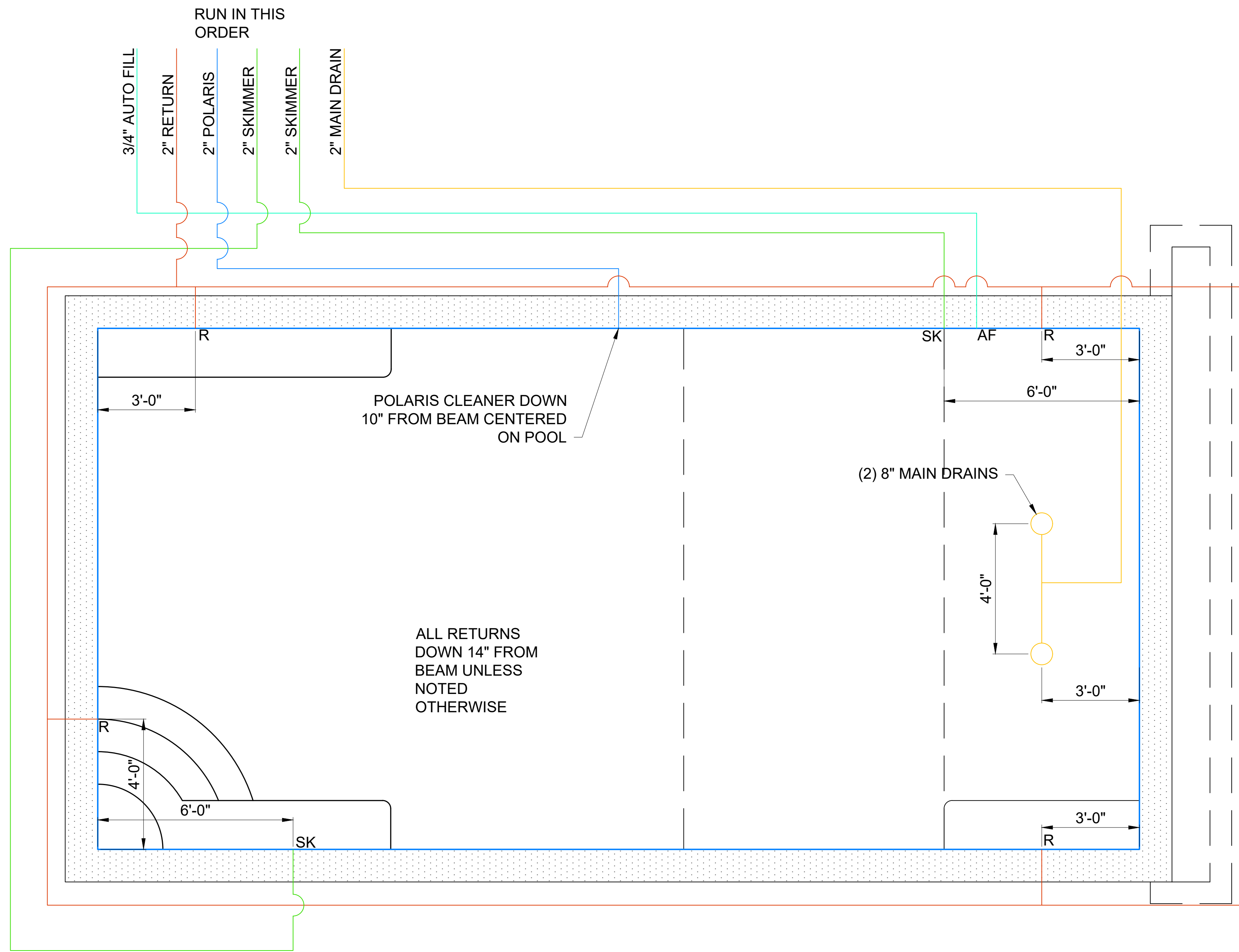
2 AUTO COVER VAULT ISOMETRIC
SCALE: 3/4" = 1'-0"



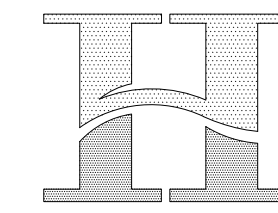
1 TYPICAL COVER VAULT DIMENSIONS
SCALE: 3/4" = 1'-0"

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HOUSE SIDE



1 PLUMBING PLAN
SCALE: 1/4" = 1'-0"



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PLUMBING PLAN

Sheet Title

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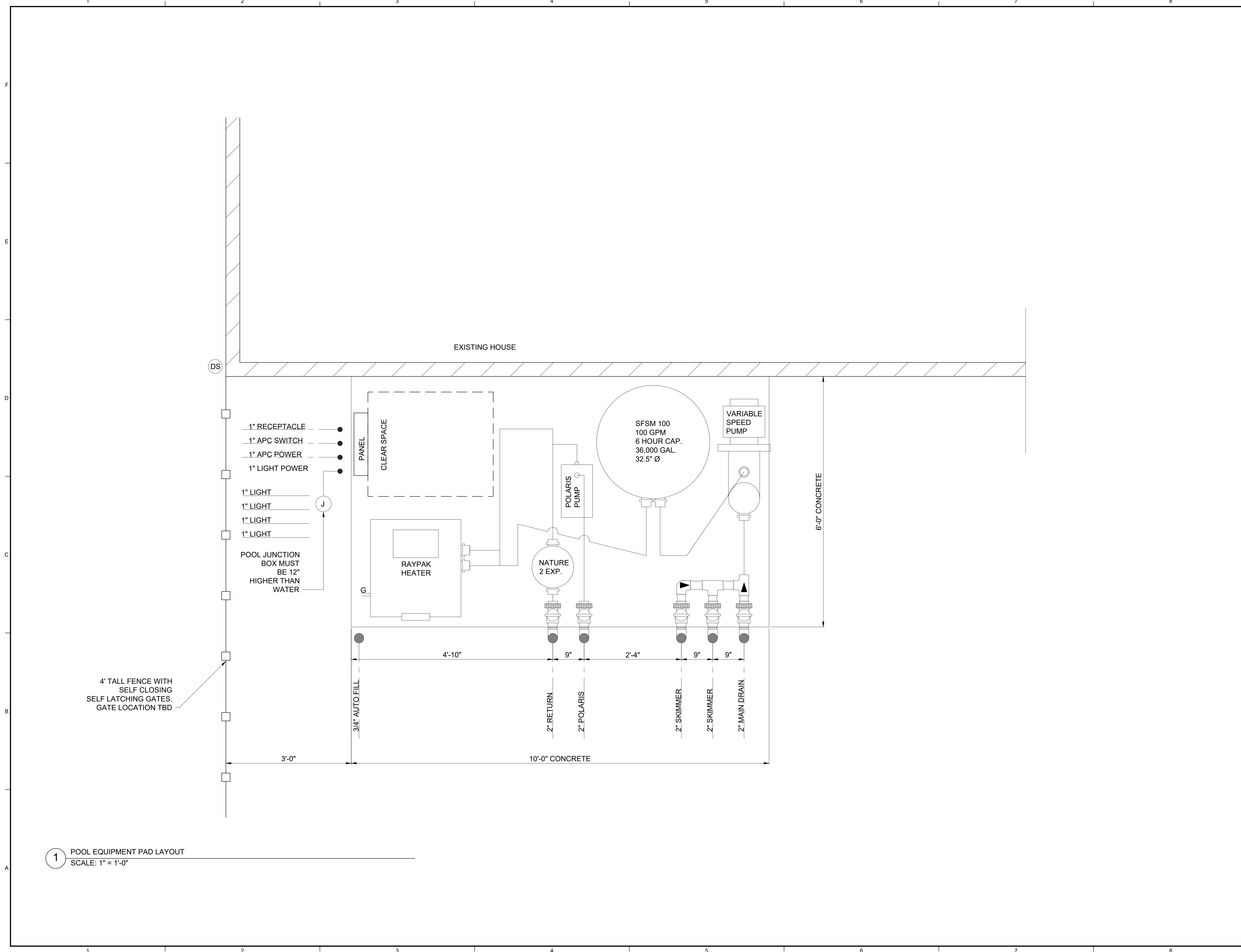
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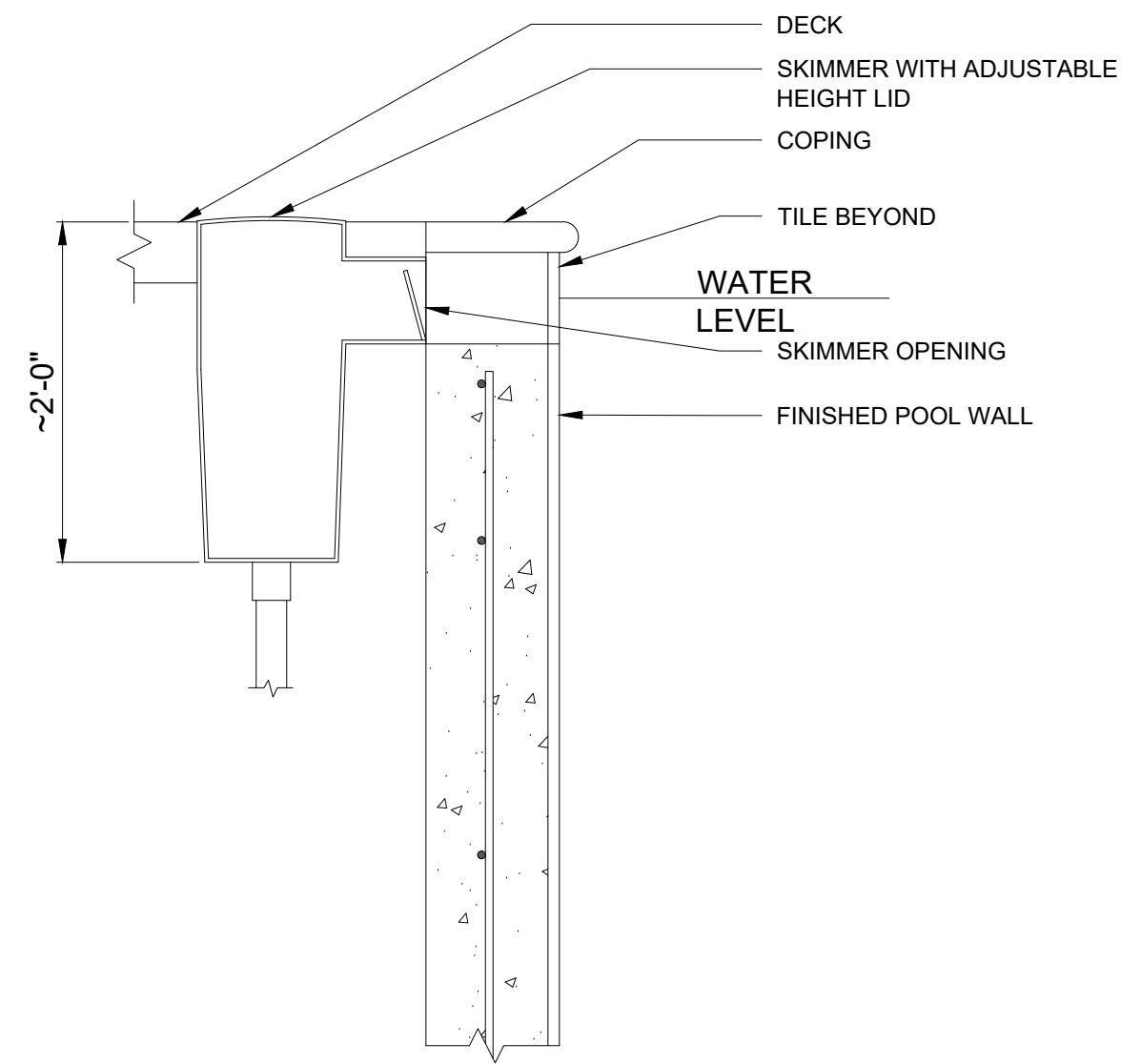
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PLUMBING DETAILS
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P2.0
Sheet No.

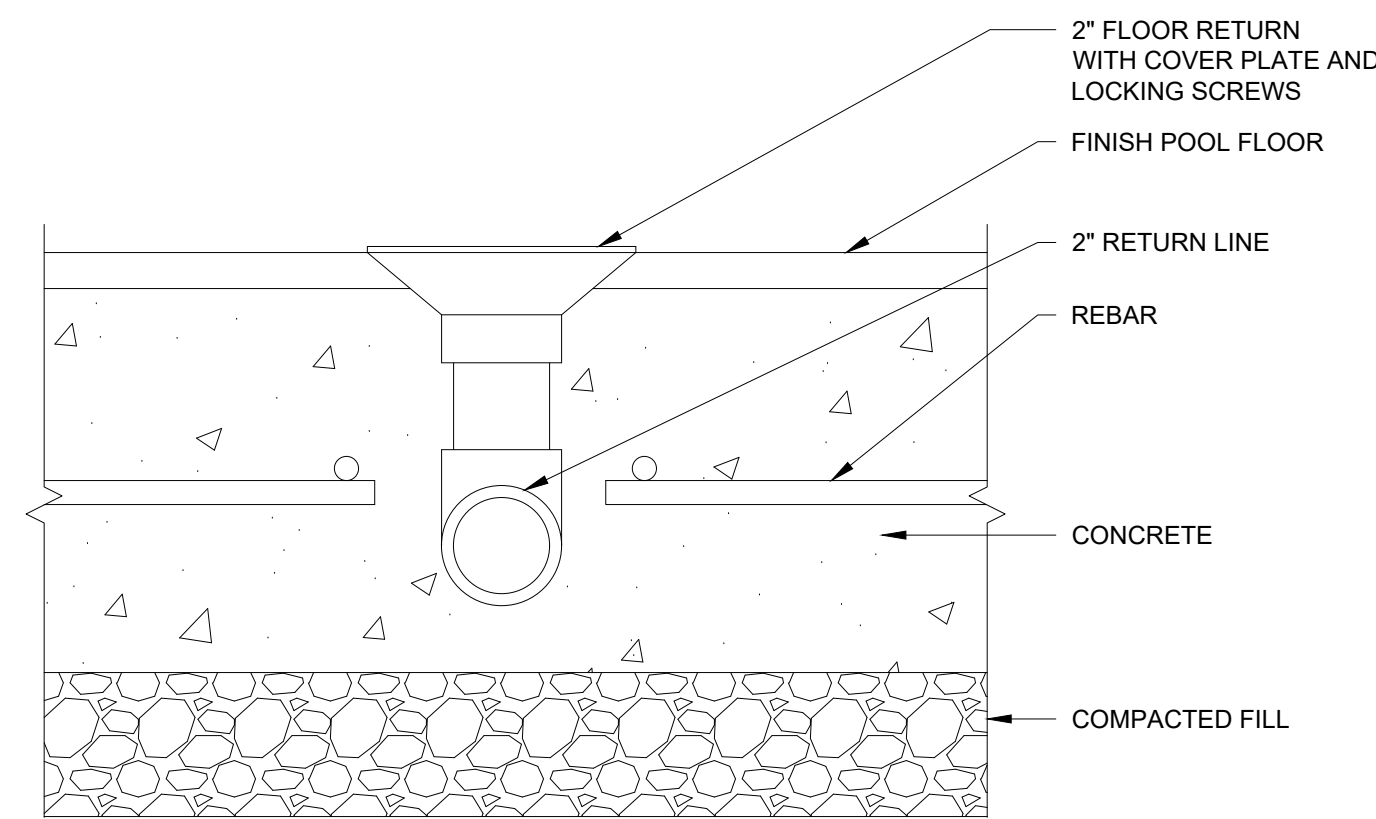


1 POOL EQUIPMENT PAD LAYOUT
SCALE: 1" = 1'-0"

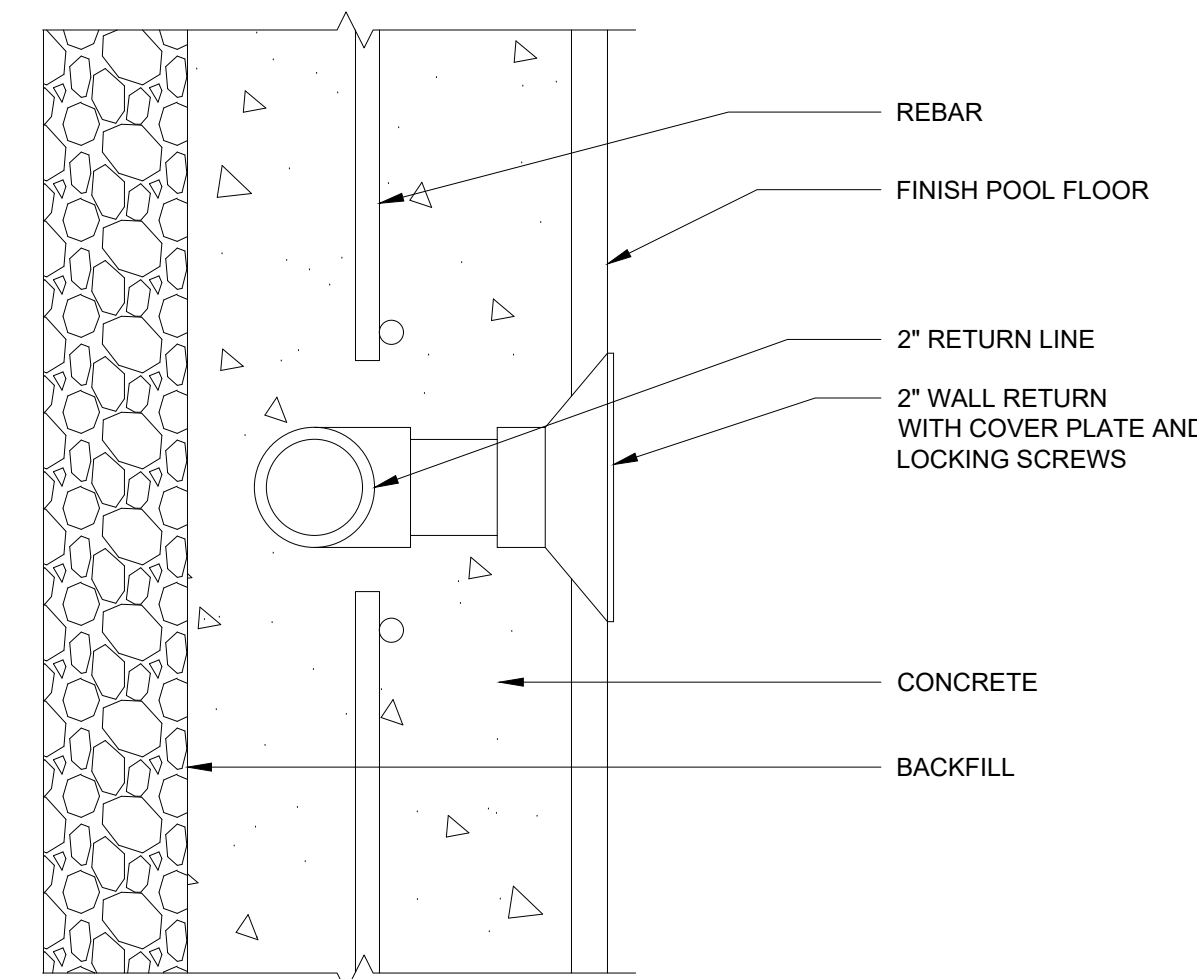
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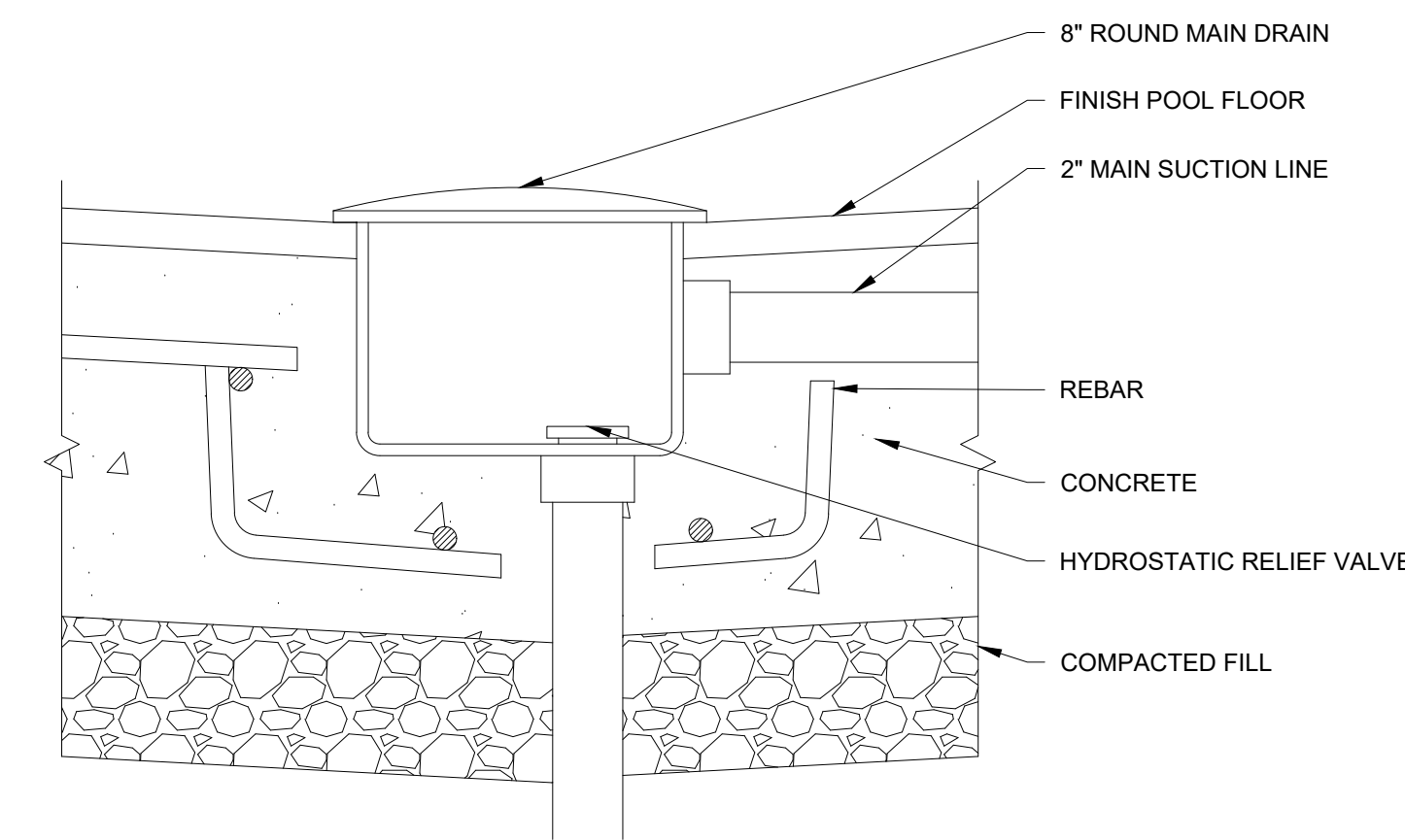
4 WALL SECTION AT SKIMMER
SCALE: 1" = 1'-0"



1 FLOOR RETURN
SCALE: 3" = 1'-0"



2 WALL RETURN
SCALE: 3" = 1'-0"



3 MAIN DRAIN
SCALE: 3" = 1'-0"



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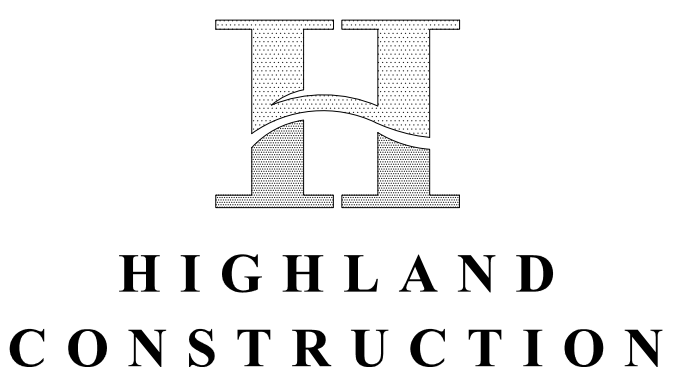
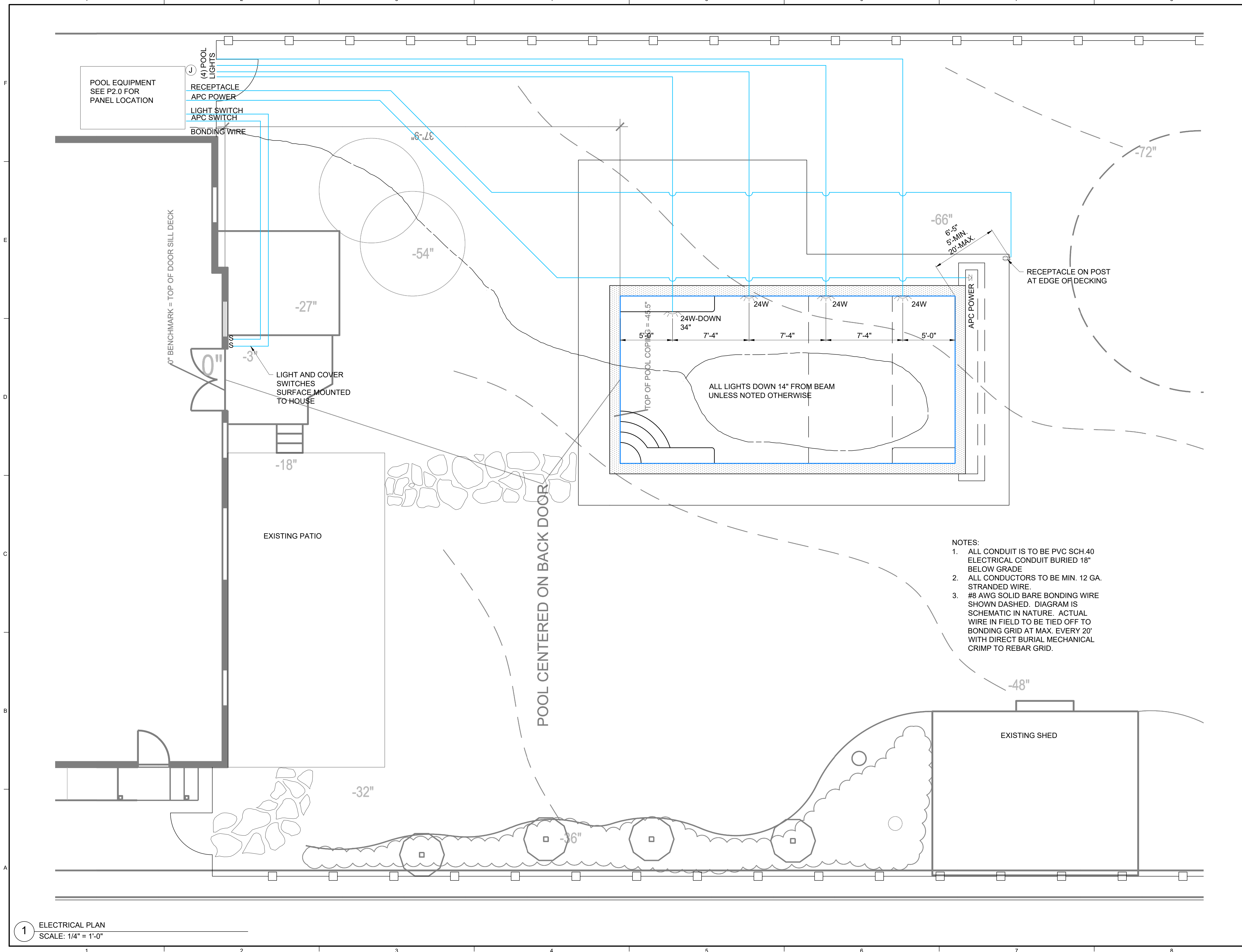
PLUMBING
SCHEMATIC
DETAILS

Sheet Title

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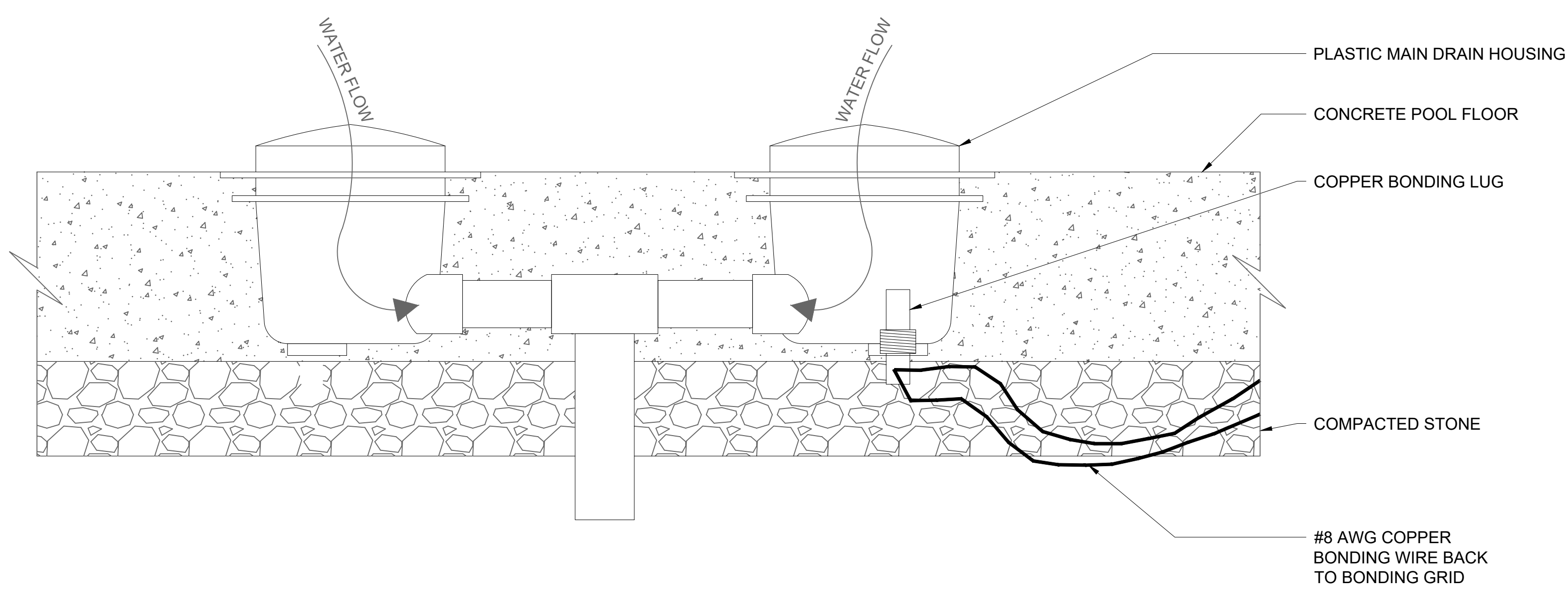
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ELECTRICAL PLAN

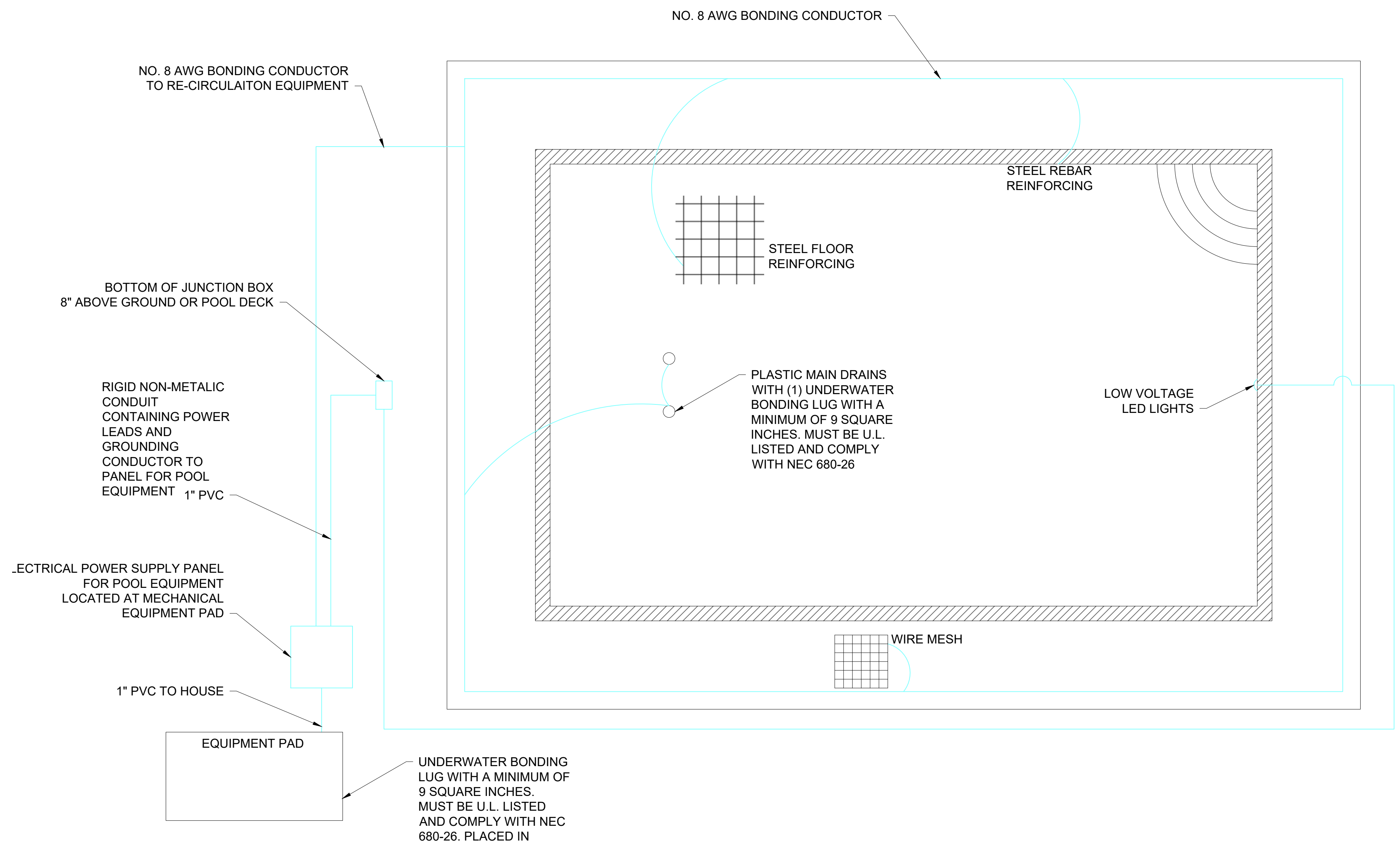
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1 ELECTRICAL PLAN
SCALE: 1/4" = 1'-0"

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2 WATER BONDING AT MAIN DRAIN DETAIL
SCALE: NOT TO SCALE



1 BONDING SCHEMATIC PLAN
SCALE: 1/4" = 1'-0"

NOTE:
ACTUAL POOL PLAN MAY DIFFER FROM BONDING PLAN SHOWN. BONDING PLAN IS SCHEMATIC IN NATURE AND FOR REFERENCE ONLY.

ALL BONDING CONDUCTORS TO BE MIN. NO. 8 AWG COPPER AND TO BE ATTACHED TO EQUIPMENT FITTINGS AND REINFORCING STEEL BY APPROVED BONDING METH. ODS. METAL SCREWS IN NON-METALIC FITTINGS DO NOT REQUIRE BONDING.

FOR NON-METALIC CONDUIT A NO. 8 AWG INSULATED SOLID COPPER CONDUIT MUST BE INSTALLED INSIDE CONDUIT. TERMINATE AT FORMING SHELF JUNCTION BOX OR TRANSFORMER INCLOSURE.

USE ONLY ELECTRICAL EQUIPMENT THAT IS U.L. LISTED UNDER SWIMMING POOL EQUIPMENT GUIDE NO 380 UP. WHERE LISTINGS FOR SUCH EQUIPMENT EXIST.

ALL ELECTRICAL WORK TO CONFORM TO NATIONAL ELECTRICAL CODE ARTICLE #680 POOL CONSTRUCTION.

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BONDING SCHEMATIC DETAILS

Sheet No. **B1.0**