

CITY OF MITCHELL
CITY PLANNING COMMISSION AGENDA
COUNCIL CHAMBERS, CITY HALL, 612 N MAIN ST
FEBRUARY 13, 2020; 12:00 PM (NOON)
SPECIAL MEETING

1. **CALL TO ORDER:**

2. **ROLL CALL:**

3. **Declaration Of Conflicts Of Interests**

4. **APPROVE AGENDA:**

5. **Plan Approval: Ramada Inn, 1525 W Havens, Highway Business District**

Renovating the pool area. Continuance from the Monday, February 10, 2020 Meeting

Documents:

[RAMADAMITCHELL-SP.2 POOL PIPING PLAN.PDF](#)

[RAMADAMITCHELL-SP.1 POOL FLR PLAN.PDF](#)

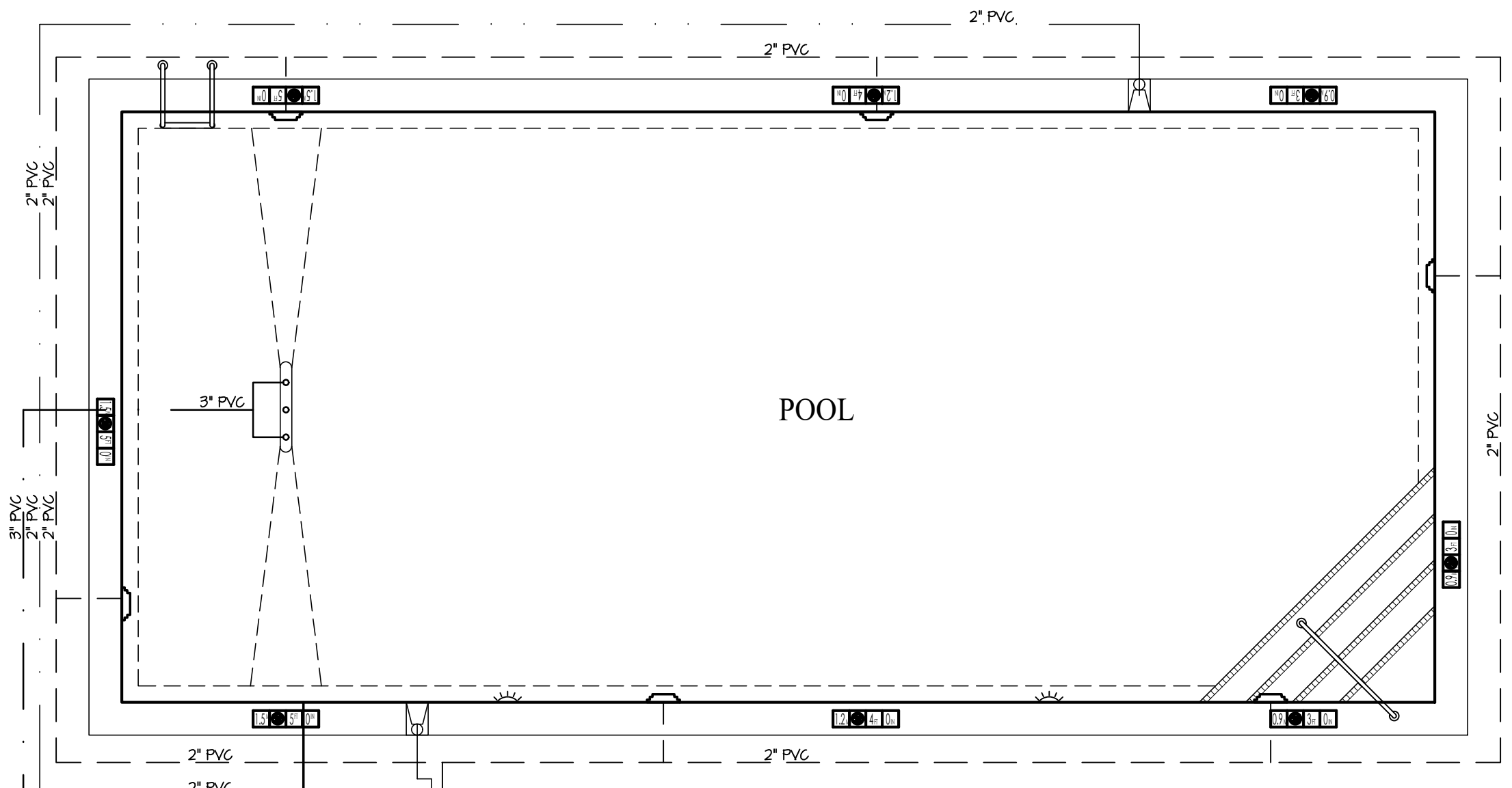
[RAMADAMITCHELL-SP.3 POOL DETAILS.PDF](#)

6. **OTHER BUSINESS:**

7. **PUBLIC INPUT: If You Need To Address The City Planning Commission On An Item That Was Not On The Agenda, Excluding Personnel Items, Please Come Forward To The Podium And State Your Name And Your Concern. Presentations Are Limited To Three Minutes. Items Will Be Considered But No Action Will Be Taken At This Time.**

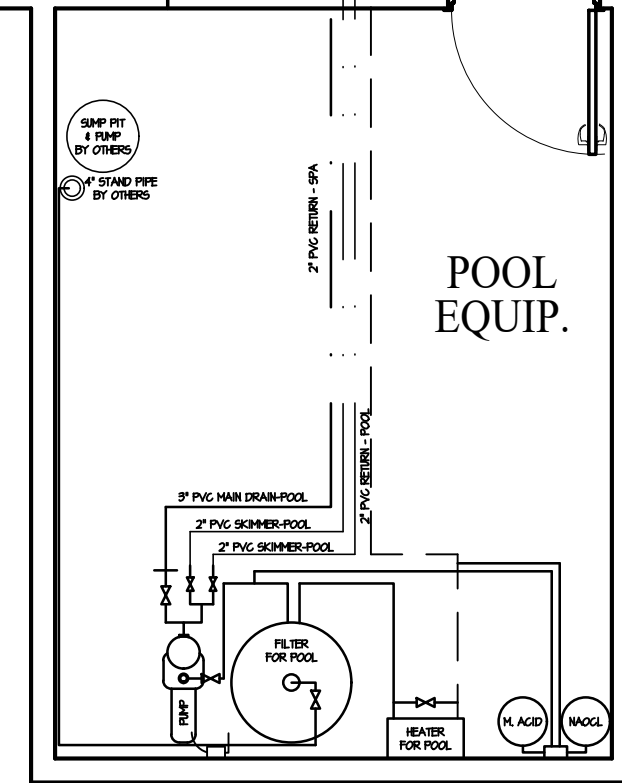
8. **ADJOURNMENT:**

"The City of Mitchell invites all interested parties to give oral or written comments. If special accommodations are required, please notify the Public Works Department at 605-995-8433 at least 24 hour prior to the scheduled meeting."



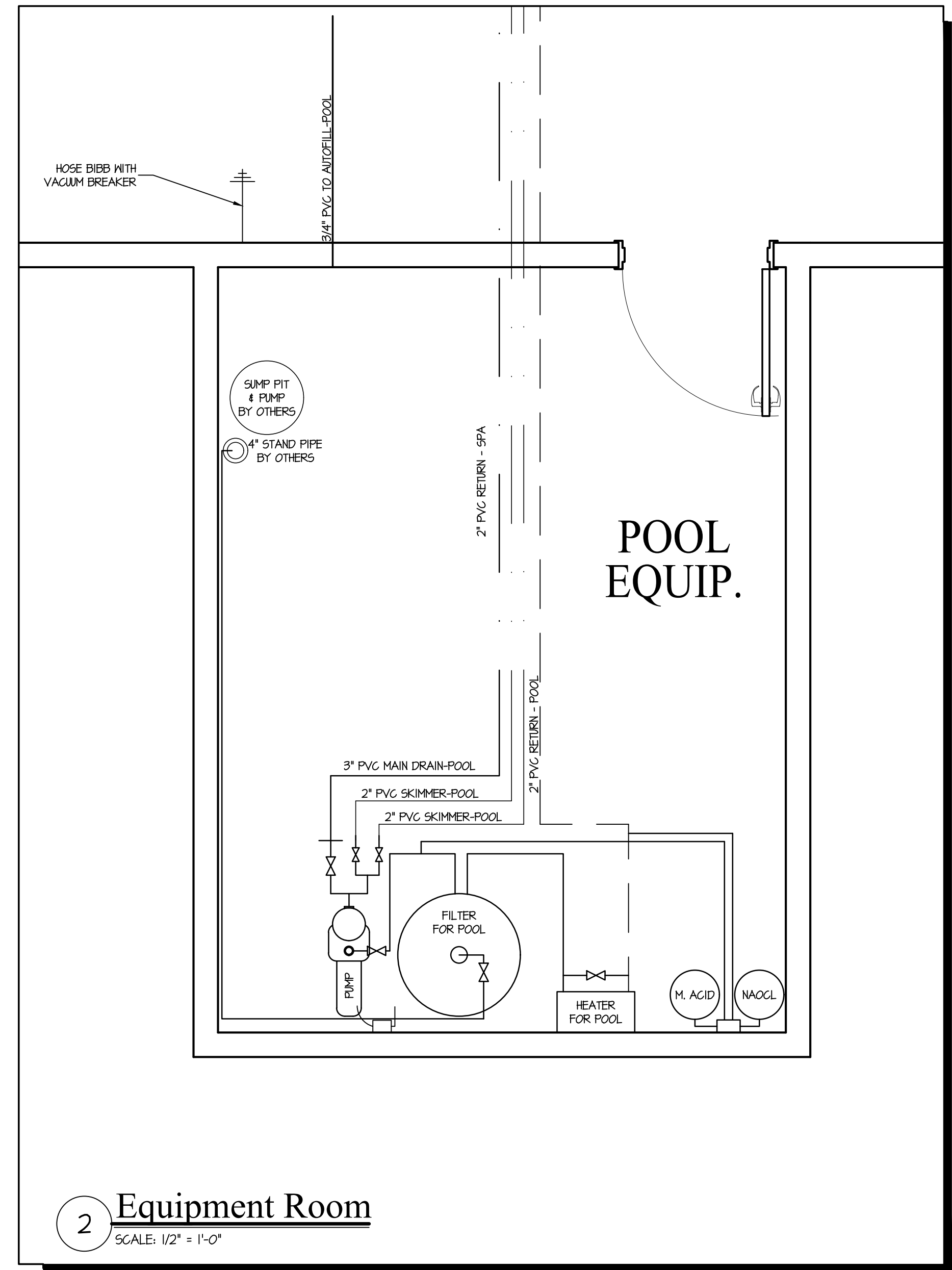
3/4\"/>

HOSE BIBB WITH VACUUM BREAKER



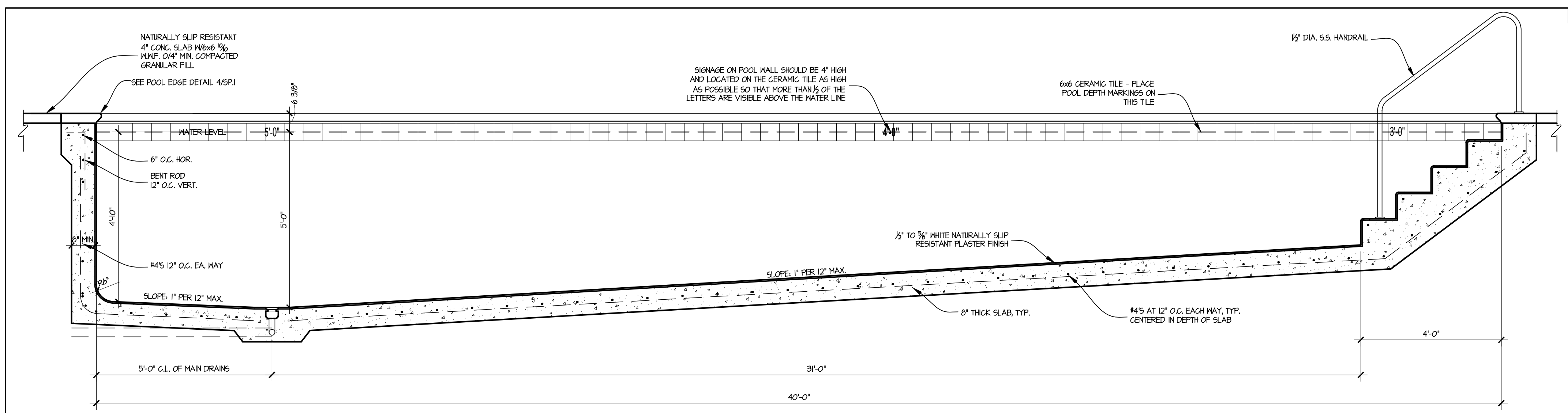
Pool - Spa Piping Plan

SCALE: 1/4\"/>



2 Equipment Room

SCALE: 1/2\"/>



1 Pool Section

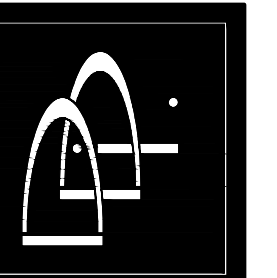
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REVISION DATES	
1	4
2	5
3	6
DATE OF ISSUE	
1.21.2020	

AAA Pools - Ramada Inn - Pool

152 West Havens Avenue Mitchell, South Dakota 57501

DESIGN DYNAMICS, INC.
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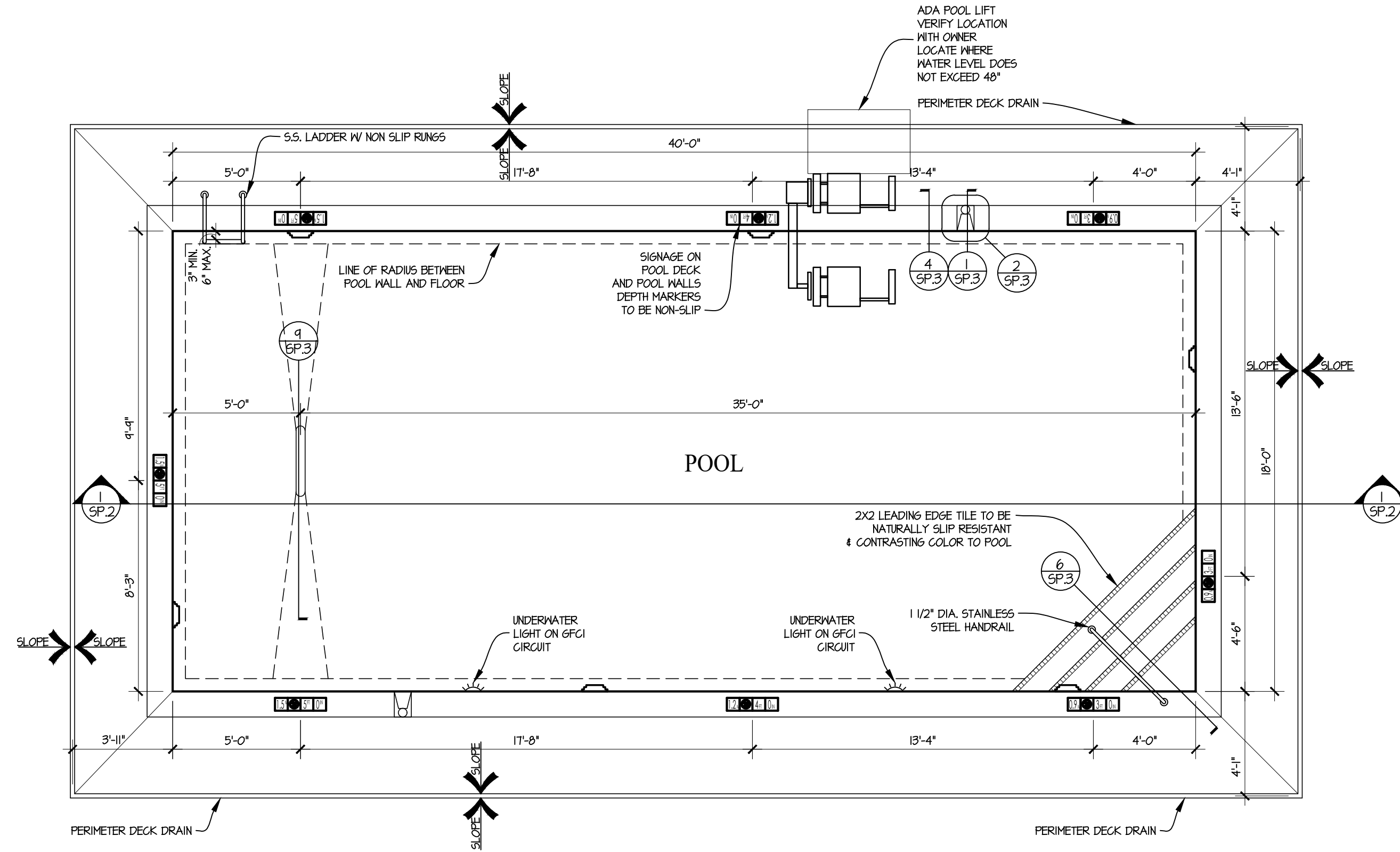


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SHEET TITLE
POOL PIPING

SP.2

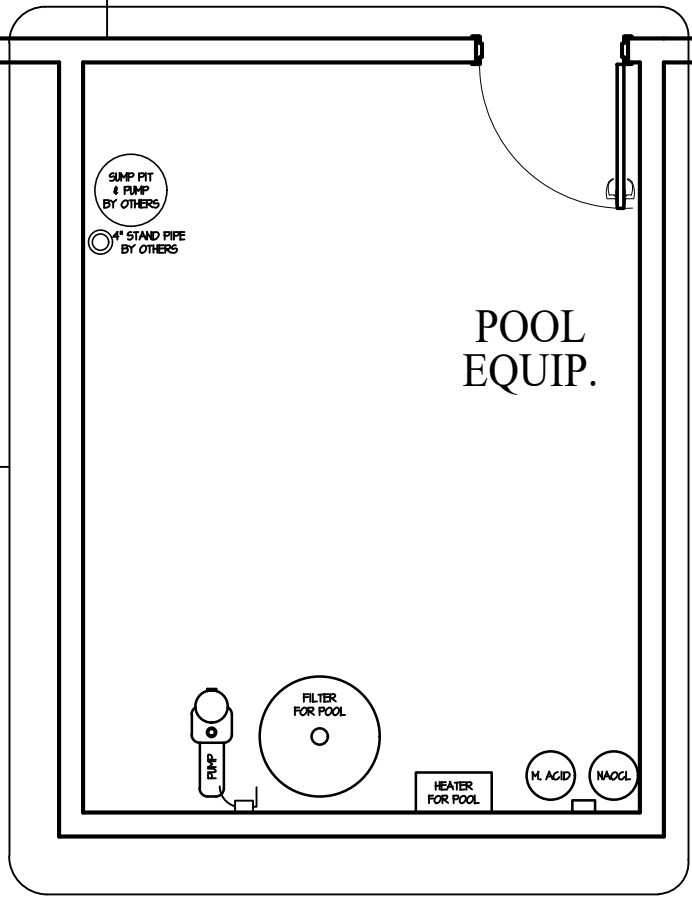
PROJECT NUMBER
 037-19



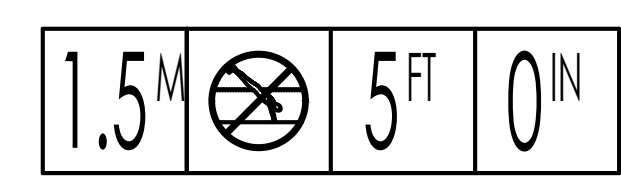
NOTE: SLOPE OF DECKS SHALL BE 1/8" PER FT MINIMUM AND 1/2" PER FT MAXIMUM

EMERGENCY 911 PHONE W/ SIGNAGE BY GENERAL CONTRACTOR VERIFY LOCATION WITH OWNER

HOSE BIBS W/ VACUUM BREAKER



Pool Area Floor Plan
SCALE: 1/4" = 1'-0"



Signage Detail
SCALE: 1/2" = 1'-0"

POOL EQUIPMENT LIST

NO.	QTY.	MFG.	CAT. NO.	DESCRIPTION
1	1	AQUASTAR	32CDFL101	32" CHANNEL DRAIN FLAT GRATE
2	2	PENTAIR	506370	BERMUDA SKIMMER
3	6	HAYWARD	5P1023	WALL INLETS
4	1	PENTAIR	T40FK	OR EQUAL - AUTOMATIC WATER FILLER
5	2	PENTAIR	78210300	LIGHT NICHE
6	2	PENTAIR	603B03	LED LIGHT, 120V, 3600 LUMENS
7	1	SR SMITH	CUSTOM	STAINLESS STEEL HANDRAIL
8	1	SR SMITH	VLLS-1035	STAINLESS STEEL LADDER
9	8	SR SMITH	EP-100A	ESCUCHIONS
10	1	PENTAIR	201	FLEX VACUUM CLEANER HEAD
11	1	PENTAIR	806-16	8'-16" TELESCOPIC POLE
12	1	PENTAIR	902	ALGAE BRUSH
13	1	JIM BUOY	6N-24	U.S. COAST GUARD 24" RING BUOY
14	1	-	-	1/4" X 60' POLY THRON LINE
15	1	PENTAIR	820-16	SHEPHERD'S HOOK W/16' LONG POLE
16	1	-	-	24 UNIT FIRST AID KIT
17	-	-	-	ADA LIFT
18	-	-	-	ALL REQUIRED DEPTH MARKERS AND SIGNAGE

POOL FILTER EQUIP. LIST

NO.	QTY.	MFG.	CAT. NO.	DESCRIPTION
19	1	PENTAIR	TR-100	TRITON II HIGH RATE SAND FILTER
20	1	PENTAIR	WFE-4	WHISPERFLO I HP PUMP - 115V/1/4 HP
21	1	PENTAIR	010387	PUMP STRAINER BASKET - SPARE
22	1	PENTAIR	INTELLICHEM	PH/ORP CONTROLLER
23	2	STENNER	45MP2	METERING PUMPS
24	1	PENTAIR	MASTERTEMP 200	200,000 BTU GAS HEATER
25	1	TAYLOR	K2006	ALL IN ONE TEST KIT
26	1	BLUE & WHITE	F-30200	FLOWMETER
		ALL REQUIRED	CHEMICALS	SODIUM HYPOCHLORITE, MURATIC ACID
		ALL REQUIRED	Gauges, Valves, Sight Glasses, & Thermometers	

SYMBOLS LEGEND

- SKIMMER LINE
- RETURN LINE
- MAIN DRAIN LINE
- FILL
- JETS
- JET
- ☒ SKIMMER
- ☒ RETURN
- ☒ LIGHT
- ☒ MAIN DRAIN
- ☒ STRIP DRAIN
- FLOOR INLET
- FLOOR BUBBLER

GENERAL NOTES:

- WRITTEN DIMENSIONS SHALL PREVAIL OVER SCALE DIMENSIONS.
- ALL WORK SHALL BE DONE IN CONFORMANCE WITH APPLICABLE CODES AND REGULATIONS.
- THE CONTRACTOR SHALL REVIEW THESE PLANS PRIOR TO CONSTRUCTION AND VERIFY GRADES, DIMENSIONS, STRUCTURES AS SHOWN. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN PLANS AND ACTUAL CONDITIONS PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL VERIFY LOCATIONS OF EXISTING UNDERGROUND UTILITIES BEFORE COMMENCING EXCAVATION WORK.
- BACKFILL MATERIAL SHALL BE SATISFACTORY SOIL FREE FROM CLAY, ROCK OR GRAVEL LARGER THAN 2" IN ANY DIMENSIONS, DEBRIS, WASTE, FROZEN MATERIALS, OR OTHER DELETERIOUS MATTER. FILL SHOULD BE PLACED IN LIFTS AND COMPACTED TO AT LEAST 95% MAXIMUM STANDARD PROCTOR DENSITY NEAR THE OPTIMUM MOISTURE CONTENT.
- ALL FILL MATERIAL FOR SUPPORT OF FLOOR SLABS SHALL BE COMPACTED TO 98% OF MAXIMUM STANDARD PROCTOR DENSITY WITHIN 2% OF OPTIMUM MOISTURE CONTENT.
- POOL DECKING SHALL SLOPE 1/8" PER FT MIN. TO 1/2" PER FT MAX. TO DECK DRAINS OR GRADE.
- DEPTH MARKINGS SHALL BE DARK LETTERS ON A WHITE BACKGROUND.
- ALL SEATS, STEPS, AND PROTRUDING FIXTURES SHALL HAVE 2" DARK CONTRASTING TILE SAFETY STRIP.

ELECTRICAL NOTES:

- ALL ELECTRICAL CONSTRUCTION SHALL COMPLY WITH ARTICLE 680 OF THE NATIONAL ELECTRICAL CODE (N.E.C.) OR THE NATIONAL FIRE PROTECTION ASSOCIATION AND APPLICABLE STATE AND LOCAL CODES.
- GROUND FAULT CIRCUIT INTERRUPTERS SHALL BE PROVIDED FOR ALL LIGHTING AND OTHER ELECTRICAL CIRCUITS IN THE POOL AREA.
- ALL REINFORCING, DECK EQUIPMENT, LADDERS, UNDERWATER LIGHTS SHALL BE BONDED PER CODE.
- NO OVERHEAD WIRING SHALL BE INSTALLED WITH IN 20 FEET OF ANY POOL STRUCTURE.
- ALL ELECTRICAL OUTLETS IN THE EQUIPMENT AREA, POOL AREA, AND TOILET ROOMS SHALL BE GROUND FAULT CIRCUIT INTERRUPTER TYPE.

STRUCTURAL NOTES:

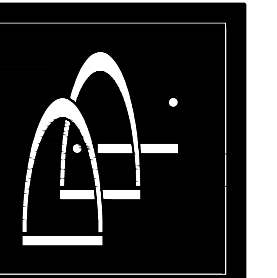
- CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 5000 PSI MINIMUM.
- REINFORCING STEEL SHALL BE GRADE 60 DEFORMED BARS.
- MINIMUM SPLICE LENGTH SHALL BE 36D OR 18" WHICHEVER IS GREATER. MINIMUM COVER 2" UNLESS NOTED OTHERWISE.
- FORM OILS OR CURING COMPOUNDS SHALL NOT BE USED ON SURFACES TO RECEIVE PAINT OR TILE FINISH. WATER BASED CURING COMPOUNDS (CURE AND SEAL COMPOUNDS ARE NOT ACCEPTABLE) MAY BE USED PROVIDED THE SURFACE BEING TREATED WILL BE SANDBLASTED PRIOR TO THE APPLICATION OF PAINT, STAIN, OR TILE.
- MAXIMUM WATER-CEMENT RATION TO BE 0.45; CONCRETE TO BE AIR ENTRAINED.
- CURE AND PLACE CONCRETE IN ACCORDANCE WITH ACI STANDARDS.
- PROVISION SHALL BE MADE FOR BONDING REINFORCING STEEL IN ACCORDANCE WITH PROVISIONS OR NEC ARTICLE 680.

PLUMBING NOTES:

- PIPE LAYOUT SHOWN IS REPRESENTATIVE OF THE DESIRED PIPE ROUTING, WITH ALLOWANCE FOR MINOR REALIGNMENTS AS REQUIRED BY FIELD CONDITIONS. PIPE SHALL BE INSTALLED WITH THE LEAST NUMBER OF FITTINGS.
- PIPING SHALL BE INSTALLED WITHOUT AIR ENTRAPPING HIGH POINTS FOR REVERSE SLOPES. PIPING SHALL DRAIN TO A LOW POINT FOR WINTERIZATION.
- PIPE TRENCHES SHALL BE EXCAVATED TO THE FULL WIDTH AND DEPTH REQUIRED FOR PROPER INSTALLATION AND IN ACCORDANCE TO THE REQUIREMENTS OF THE PIPE MANUFACTURER AND APPLICABLE CODES.
- PARALLEL PIPING RUNS SHALL BE INSTALLED IN A COMMON TRENCH.
- PIPE MATERIAL SHALL BE NSF PW SCHEDULE 40 PIPE.
- ALL PIPING IN EQUIPMENT ROOM SHALL HAVE DIRECTIONAL ARROWS.
- ALL PIPING SHALL BE PROPERLY SUPPORTED WHEN EXPOSED OR ENCASED IN CONCRETE FOR SUPPORT.
- FILTER ROOM DOOR SIZES SHALL BE VERIFIED TO MAKE SURE THAT POOL EQUIPMENT WILL FIT THROUGH DOOR OPENINGS.
- POOL CONTRACTOR SHALL ASSIST GENERAL CONTRACTOR TO ASSURE THAT OTHER TRADES PROVIDE HEALTH DEPARTMENT REQUIRED EQUIPMENT SUCH AS: FILL WATER BACKFLOW PREVENTERS, DRINKING FOUNTAINS, HOSE BIBS, MECHANICAL VENTILATION, FLOOR DRAINS, TELEPHONE CONNECTIONS, LIGHTING, OUTLETS FOR CHEMICAL FEEDERS, G.F.I. OUTLETS, HOLDING TANKS, OR BACKWASH PIT.
- CONTRACTOR SHALL COLOR CODE PIPING, PROVIDE VALVE CHART, AND OPERATING INSTRUCTIONS TO OWNER PERSONNEL, IN ACCORDANCE WITH HEALTH DEPARTMENT REQUIREMENTS.
- CONTRACTOR MUST SUPPLY OPERATING INSTRUCTIONS TO OWNER PERSONNEL.
- PROVIDE HOSE BIB WITHIN THE POOL ENCLOSURE.

AAA Pools - Ramada Inn - Pool
 1522 West Havens Avenue Mitchell, South Dakota 57501

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SHEET TITLE

POOL PLANS

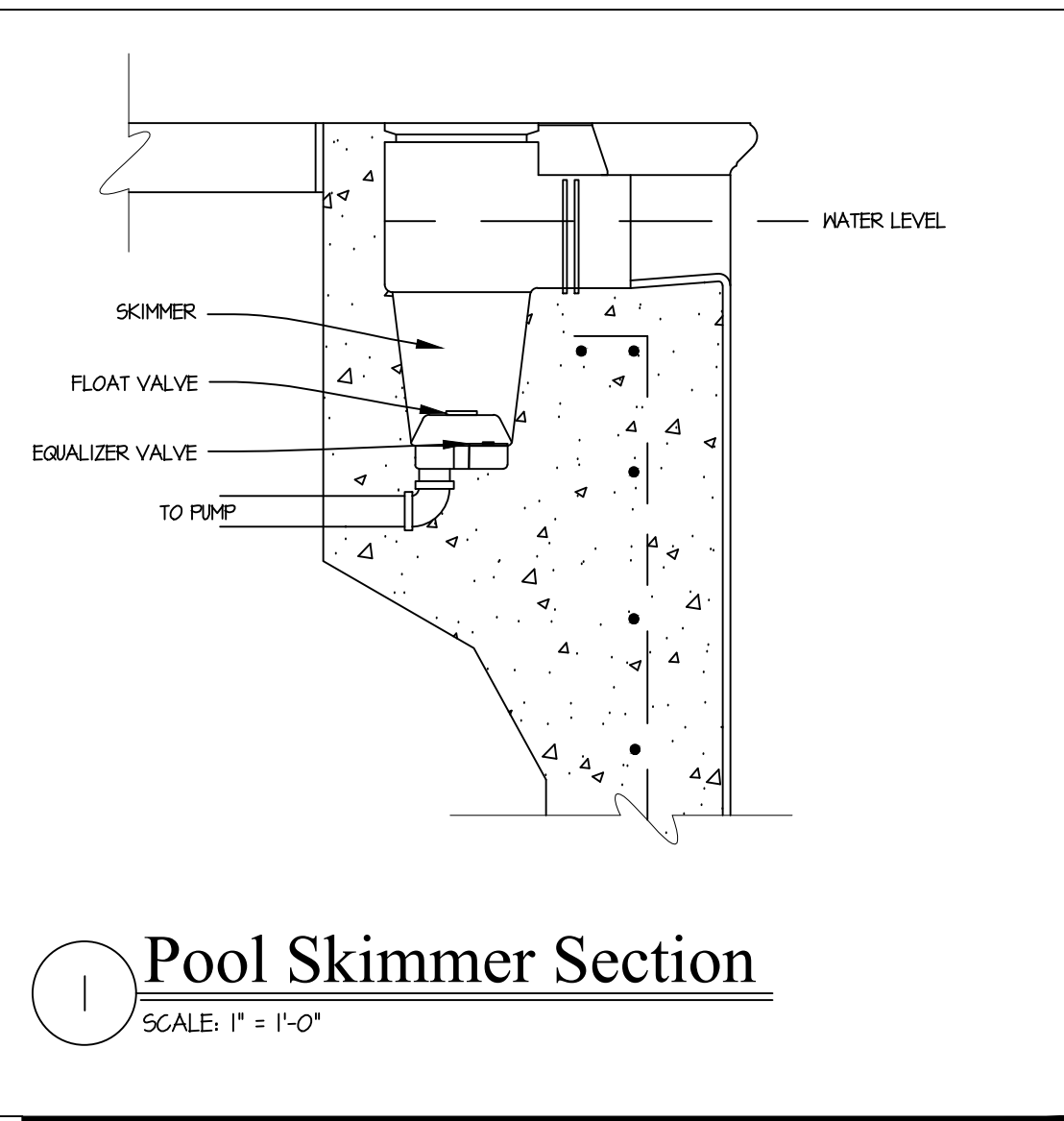


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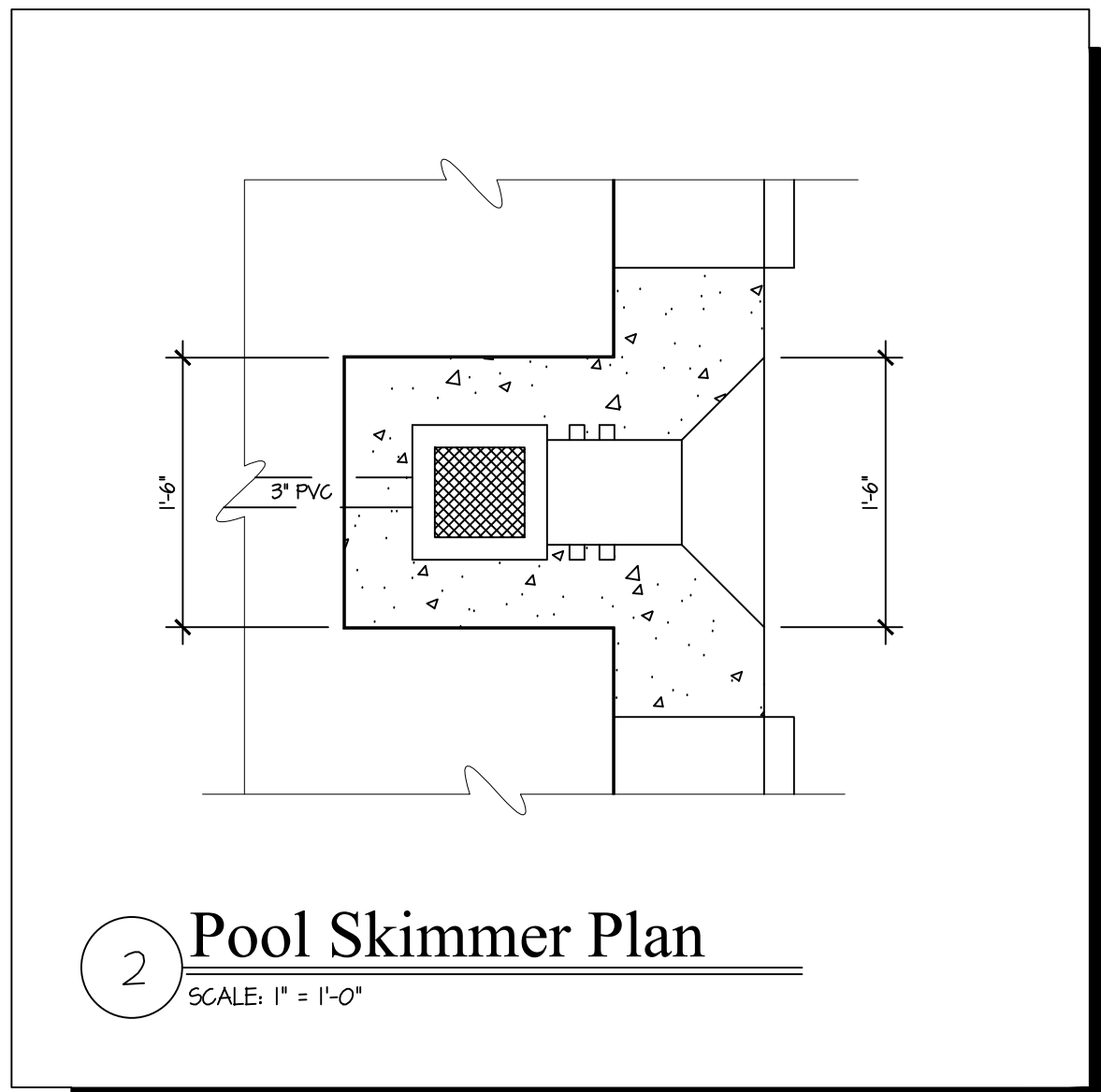
REVISION DATES

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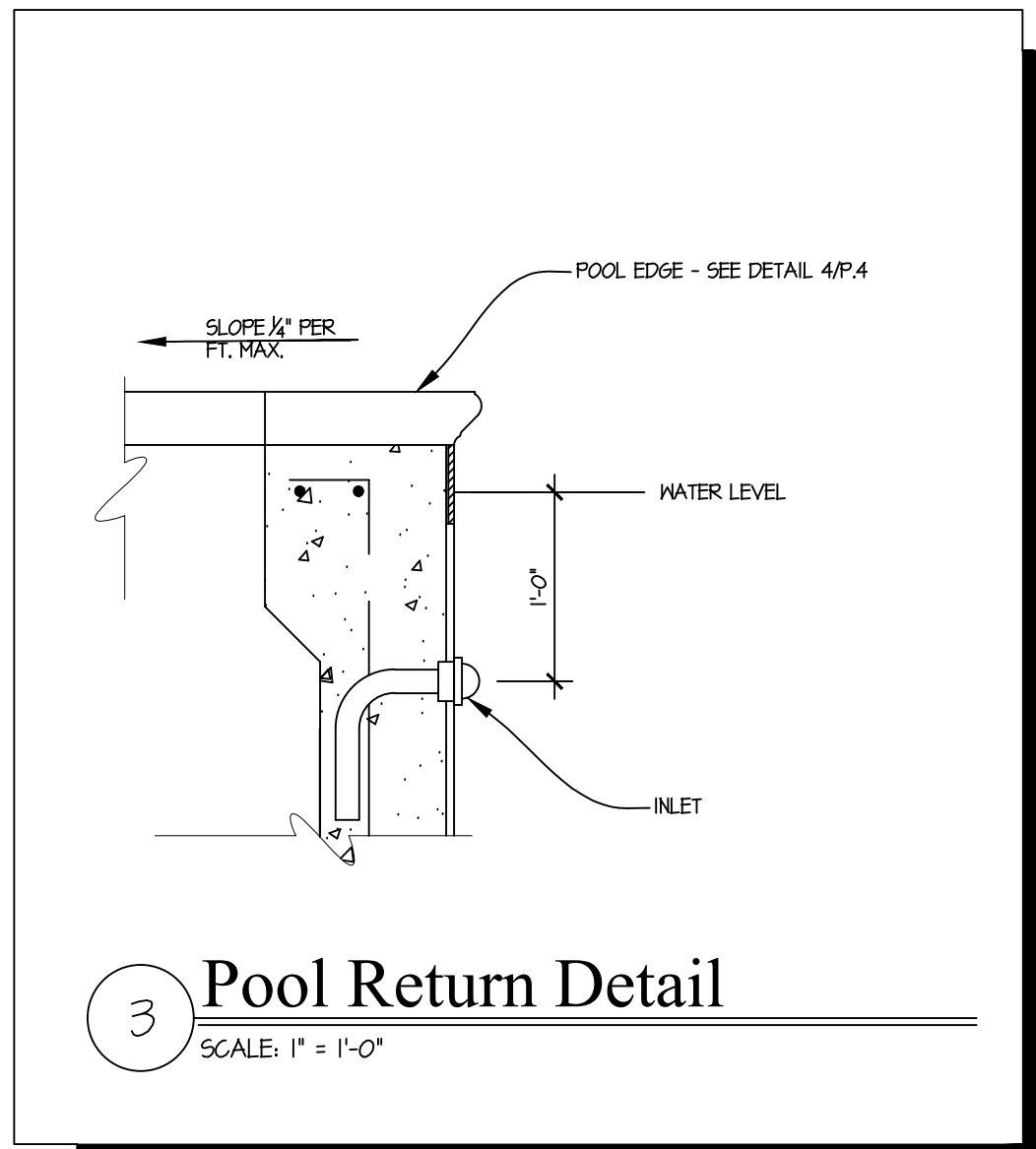
DATE OF ISSUE
1.21.2020



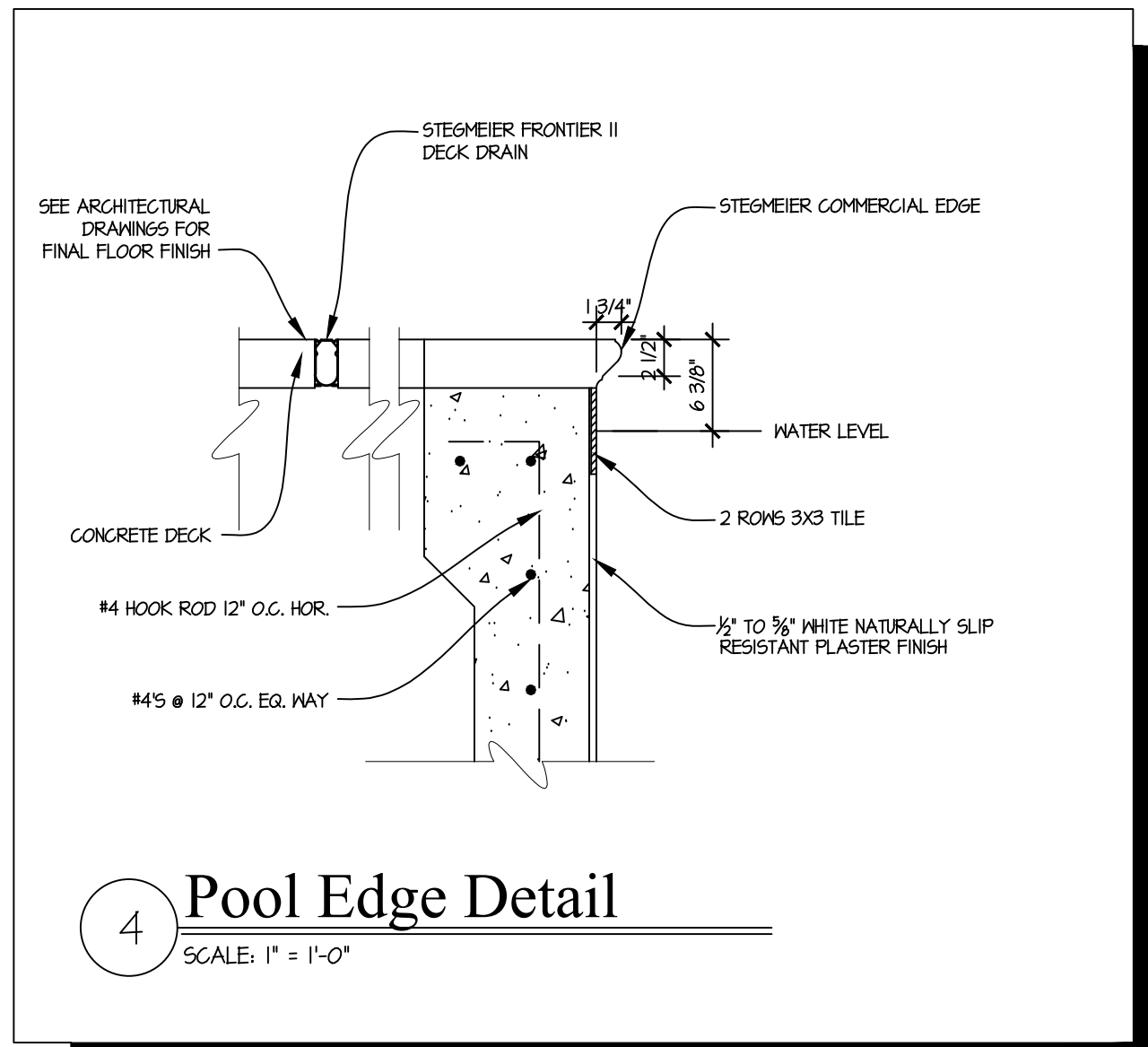
1 Pool Skimmer Section
SCALE: 1" = 1'-0"



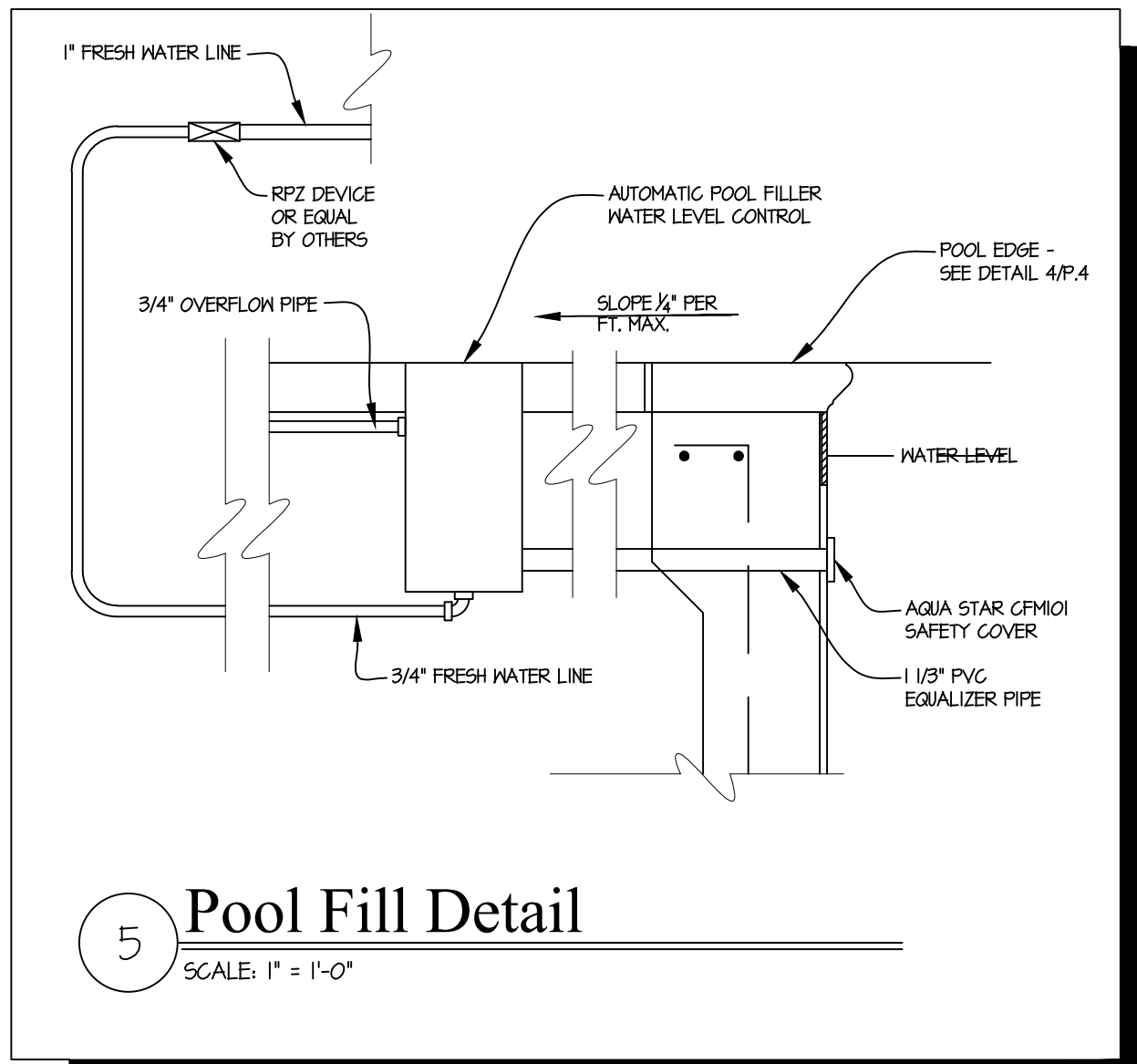
2 Pool Skimmer Plan
SCALE: 1" = 1'-0"



3 Pool Return Detail
SCALE: 1" = 1'-0"



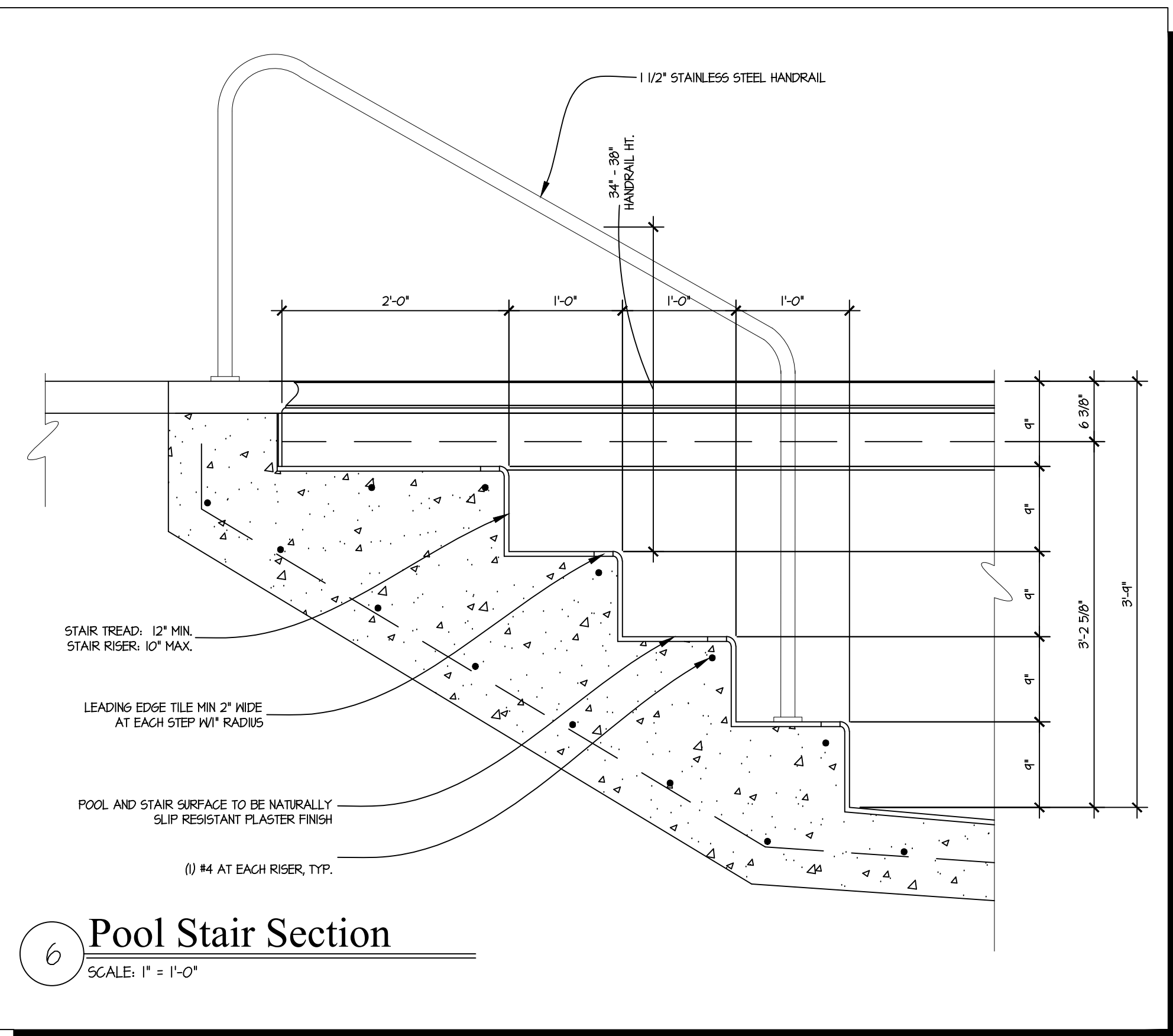
4 Pool Edge Detail
SCALE: 1" = 1'-0"



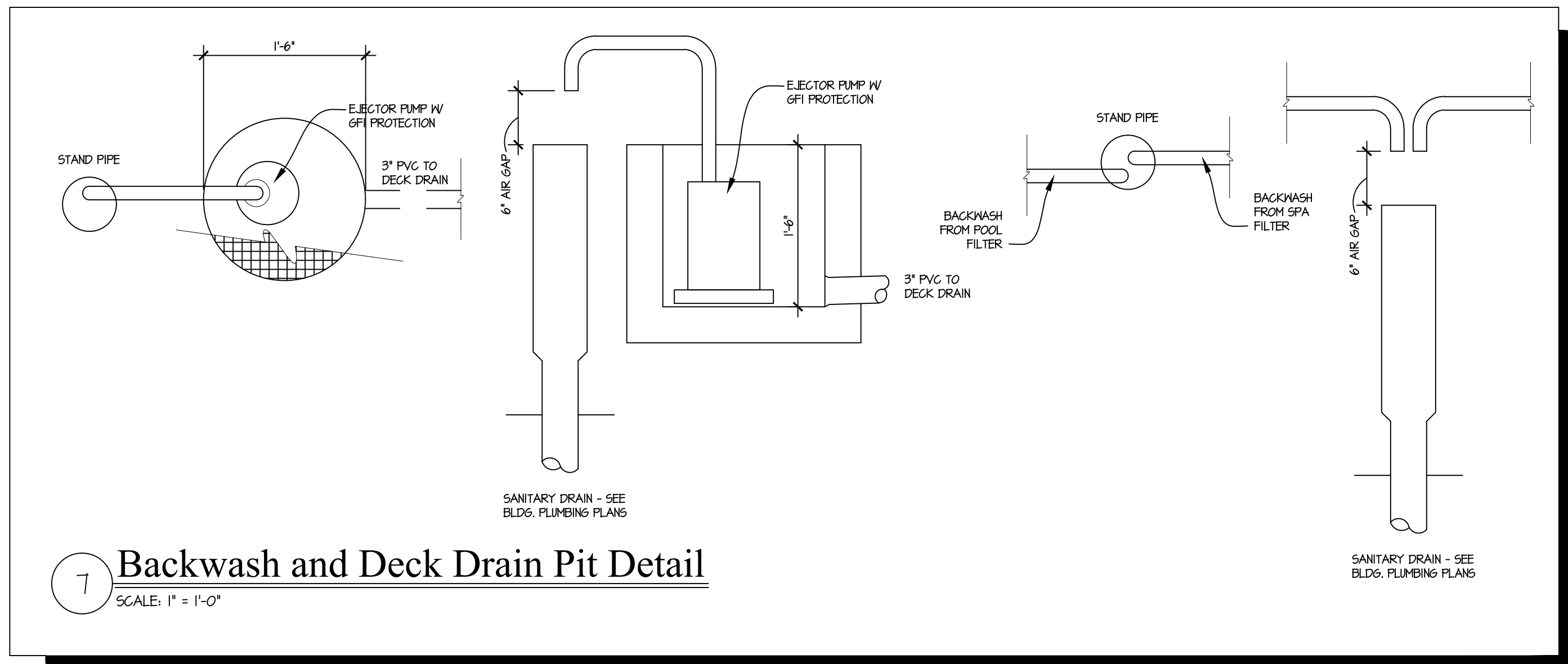
5 Pool Fill Detail
SCALE: 1" = 1'-0"

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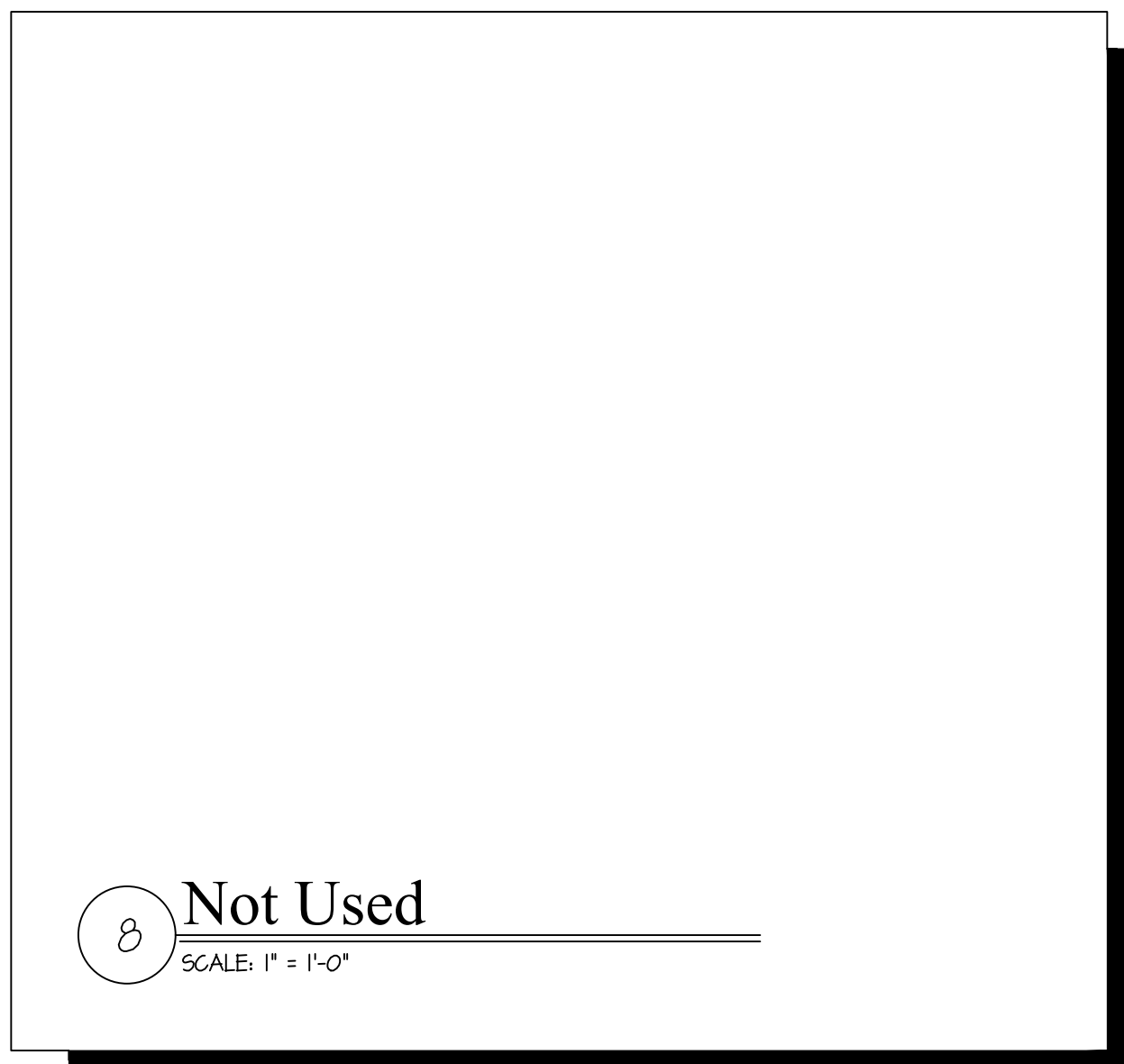
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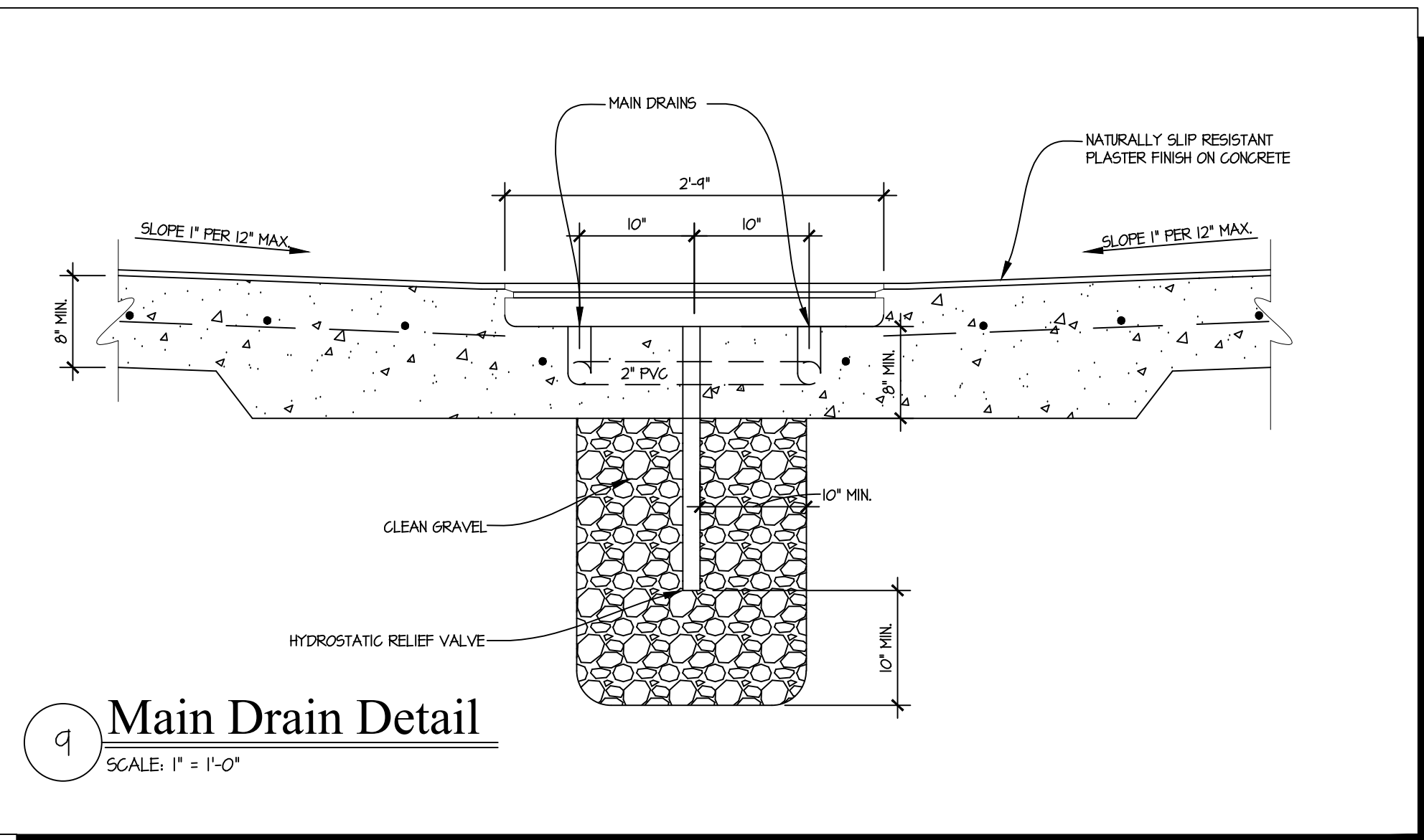
6 Pool Stair Section
SCALE: 1" = 1'-0"



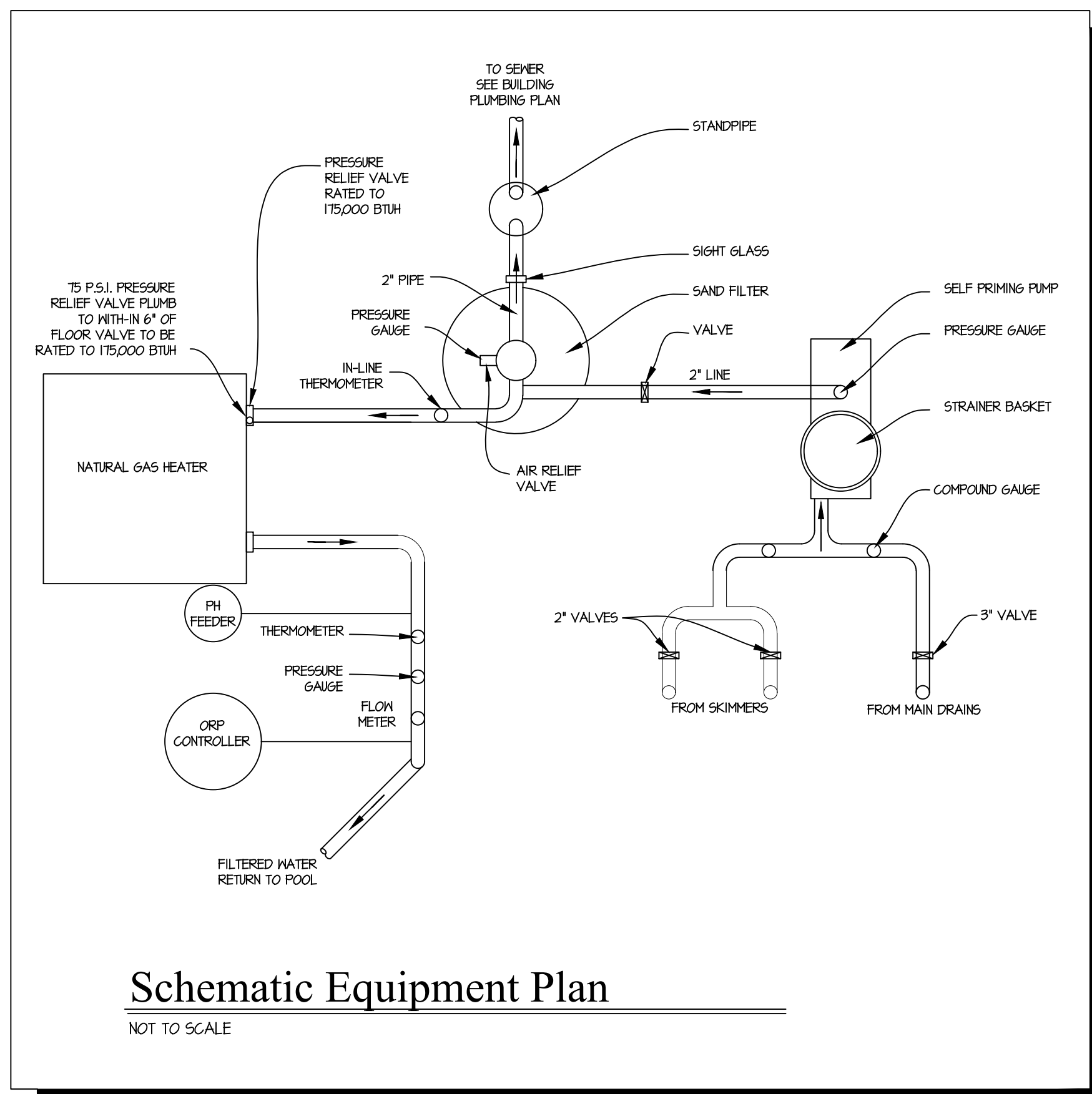
7 Backwash and Deck Drain Pit Detail
SCALE: 1" = 1'-0"



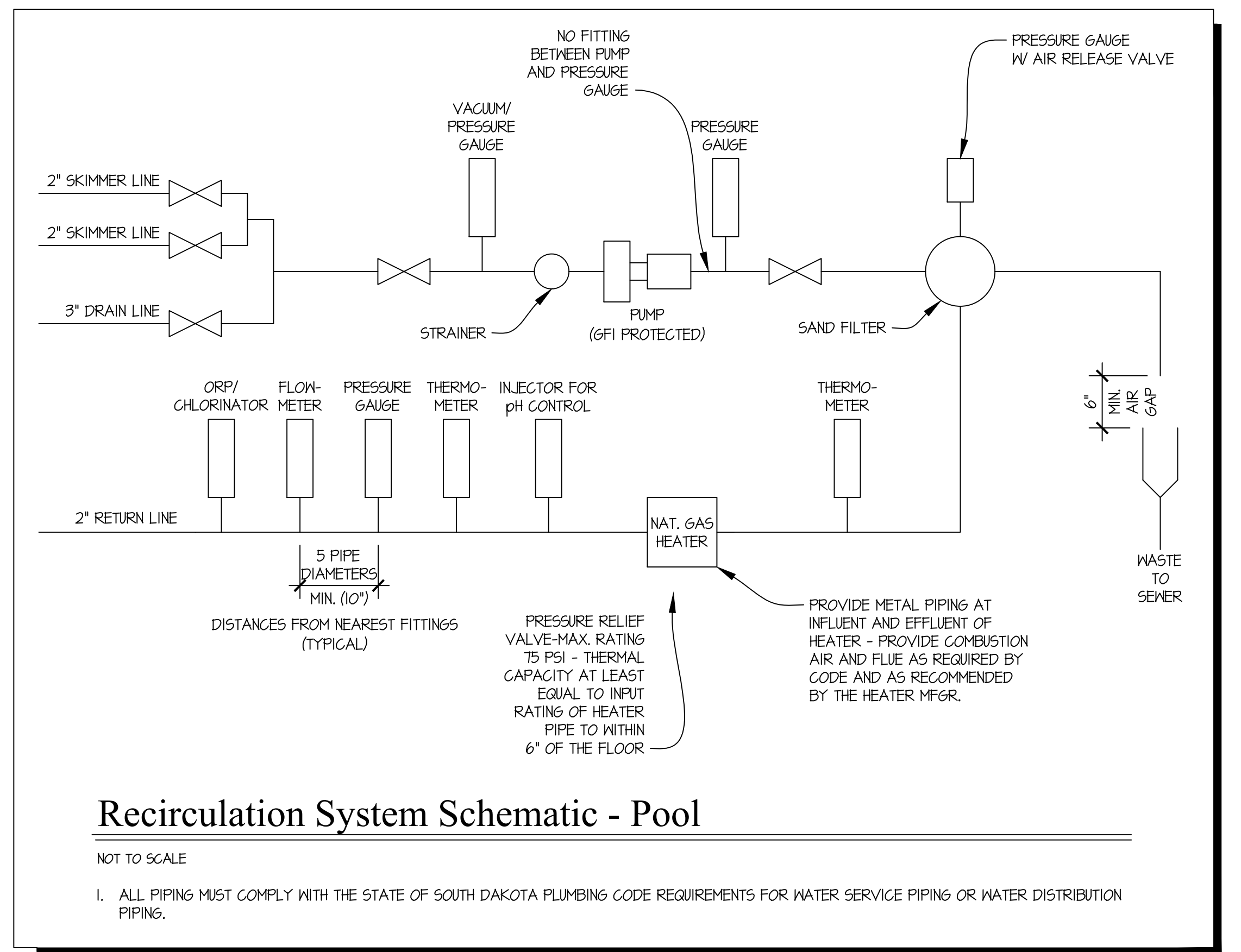
8 Not Used
SCALE: 1" = 1'-0"



9 Main Drain Detail
SCALE: 1" = 1'-0"



Schematic Equipment Plan
NOT TO SCALE



Recirculation System Schematic - Pool
NOT TO SCALE

1. ALL PIPING MUST COMPLY WITH THE STATE OF SOUTH DAKOTA PLUMBING CODE REQUIREMENTS FOR WATER SERVICE PIPING OR WATER DISTRIBUTION PIPING.

