

PEELER POOLS OF NORTH FLORIDA CERTIFIED POOL PLANS

APPLICABLE CODES:
 FLORIDA BUILDING CODE 7 TH EDITION (2020) - BUILDING
 NATIONAL ELECTRIC CODE (NFPA 70)
 FLORIDA BUILDING CODE 7 TH EDITION (2020) - PLUMBING
 FLORIDA BUILDING CODE 7 TH EDITION (2020) - MECHANICAL
 FLORIDA FIRE PROTECTION CODE (INCLUDES LIFE SAFETY 101)

2

GENERAL DESIGN REQUIREMENTS:

- DESIGN DIMENSIONS SHALL COMPLY WITH SPECIFICATIONS IN ANS/NSPI 5 RESIDENTIAL IN-GROUND POOLS BASED ON THE POOL TYPE AND NSPI 3 PERMANENTLY INSTALLED RESIDENTIAL SPAS.
- SEE ANS/NSPI 5 FOR DIVING WATER ENVELOPES.
- SLIDES SHALL MEET MANUFACTURER'S INSTALLATION REQUIREMENTS
- ENTRY/EXIT: SHALL COMPLY WITH ANS/NSPI 5 AND NS391 LADDERS, UNDERWATER SEATS AND SWIM OUTFS (MAX. 20" BELOW WATER)
- CIRCULATION SYSTEMS, COMPONENTS & EQUIPMENT SHALL COMPLY W/ NSF 50
- THE MAXIMUM TURNOVER RATE IS 12 HOURS.
- FILTERS SHALL HAVE AN AIR RELIEF AND PRESSURE GAUGE
- PUMPS 3 HP AND LESS SHALL MEET ANS/UL 1081, CORROSION RESISTANT STRAINER AND MEET THE REQUIRED FLOW.
- SURFACE SKIMMERS SHALL MEET NSF 50 AND THERE SHALL BE ONE FOR EVERY 800 SQUARE FEET OF SURFACE AREA
- RETURN INLETS SHALL BE A MINIMUM OF ONE FOR EVERY 600 SQ. FT.
- HEATERS SHALL MEET ANS/221.56 OR UL1261 OR UL559
- DISINFECTANT EQUIPMENT SHALL COMPLY WITH NSF 50
- PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES OR MEET LOCAL CODE IF GREATER
- POOL SHAPE IS FREE FORM, ABOVE SHAPE AND DIMENSION ARE APPROXIMATE
- ASSUMED SOIL BEARING = 1.5 KSF
- INSTALL CONTROL JOINTS @ 20'-0" O.C. IN POOL DECKING.
- CONCRETE STAIRS ARE 12" TREAD WITH AND 10" MAX. HEIGHT
- LIGHTING IF INSTALLED WILL BE FIBER OPTIC OR LED
- ALL EQUIPOTENTIAL BONDING SHALL BE INSTALLED PER 2008 NEC 680.26
- SLAB AND FOOTING : 2500 PSI CONCRETE, GRADE STEEL REBAR

SPECIAL SPA REQUIREMENTS:

- MAXIMUM WATER DEPTH 4'. MAXIMUM SEAT DEPTH 28", MAXIMUM FLOOR SLOPE 1:12
- STEPS: MINIMUM TREAD = 10"X12", MINIMUM RISER=7" MAXIMUM RISER=12" EXCEPT THE BOTTOM STEP MAY BE 14" IF IT IS THE SEAT. INTERMEDIATE TREADS AND RISERS TO BE UNIFORM
- SLIDES SHALL MEET MANUFACTURER'S INSTALLATION REQUIREMENTS.
- IF THE SPA IS OPERATED INTERMITTENTLY IT SHALL HAVE A ONE HOUR TURNOVER
- MAXIMUM TEMPERATURE IS 104° FAHRENHEIT
- MEET ANS/NSPI ARTICLE XVII SAFETY INSTRUCTION/SAFETY SIGN
- PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES OR MEET LOCAL CODE IF GREATER

ELECTRICAL REQUIREMENTS

- WIRING AND BONDING AND ALL ELECTRICAL TO NEC ARTICLE 680 OR LOCAL CODE.
- NO OUTLET OR OVERHEAD POWER WITHIN 10' IF WITHIN 15' PROTECT BY GFI TRANSFORMER MINIMUM 10' FROM POOL, 8" ABOVE WATER J BOX, 4' FROM POOL, BRASS TO J BOX OR TRANSFORMER WHICH EVER IS FIRST EXCEPT WHERE PVC IS APPROVED
- EQUIPOTENTIAL BONDING GRID TO BE ACCOMPLISHED PER THE NEC 2014, SECTION

ADDITIONAL NOTES:

- POOL INSTALLATION SHALL BE BY A QUALIFIED, AND LICENSED/APPROVED BY LOCAL BUILDING DEPARTMENT) POOL CONTRACTOR. THE INSTALLATION SHALL CONFORM TO ALL LOCAL BUILDING CODES, IE. PERMITS, SPECIFICATIONS, CODES, RULES, INSPECTIONS, WORKMENSHP, ETC.
- POOL SHELL SHALL BEAR ON UNDISTURBED SOIL, FREE OF PEAT, MUCK, OR OTHER DELETERIOUS MATERIAL OF ANY SIGNIFICANT AMOUNT
- BACKFILL MATERIAL MUST NOT CONTAIN ROCKS OR OTHER MATERIALS THAT COULD DAMAGE POOL WALLS
- POOL TURNOVER SHALL BE 12 HOURS, MAXIMUM WITH CARTRIDGE FILTER, APPROVED PUMP (M⁴ HP WITH 29 GPM 60 TDH)
- STEPS SHALL BE PROVIDED AT THE SHALLOW END OF THE POOL.
- LADDERS ARE TO BE PROVIDED IN POOLS WITH GREATER THAN 5' DEPTH WITHOUT SWIMOUTS
- INSTALL LOW VOLTAGE LIGHT PER NEC 680
- DURING HURRICANE WARNING OR ALERT, THIS POOL SHALL BE FILED WITH WATER
- ALL GLASS WITHIN 5' OF WATERS EDGE SHALL COMPLY WITH R308.4(9) FOR SAFETY GLAZING.



Digitally signed by Gary Gill
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| REV. | DATE | REVISION DESCRIPTION |
|------|---------|----------------------|
| 1 | 1/24/18 | UPDATED TO 2017 CODE |
| 2 | 1/12/21 | UPDATED TO 2020 CODE |



GILL ENGINEERING SERVICES, INC.
 AUTH #30824
 GARY GILL, PE #51942
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 386-590-1242



CERTIFIED CONCRETE POOL PLANS

PEELER POOLS OF NORTH FLORIDA

TITLE SHEET

1532-054

T-001

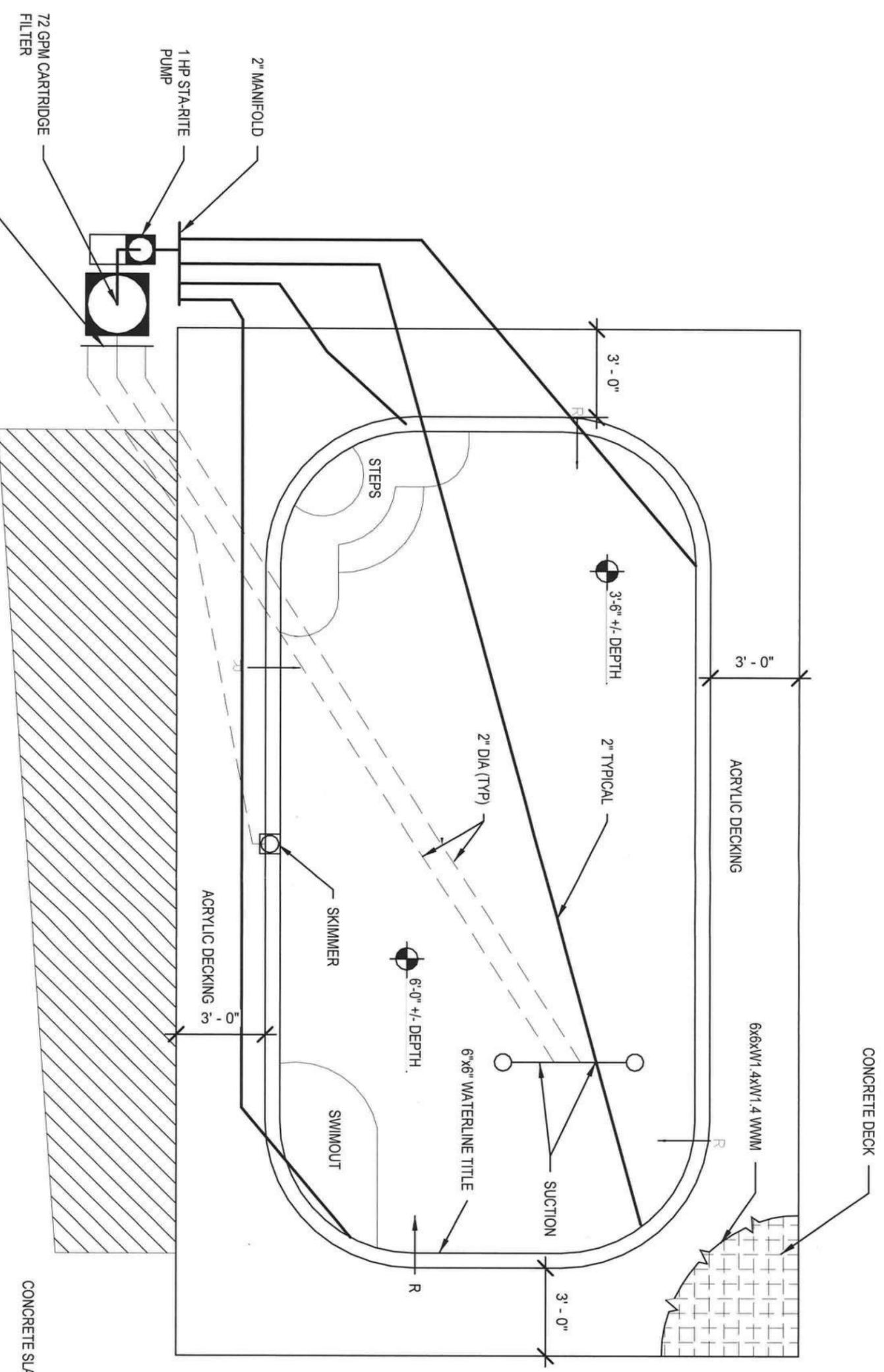
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| DRAWING INDEX - BUILDING PACKAGE | | |
|----------------------------------|----------------------|---------------|
| SHEET NUMBER | SHEET NAME | REVISION DATE |
| T-001 | TITLE SHEET | 1/12/21 |
| S-001 | POOL LAYOUT PLAN | 1/12/21 |
| S-002 | SECTIONS AND DETAILS | 1/12/21 |

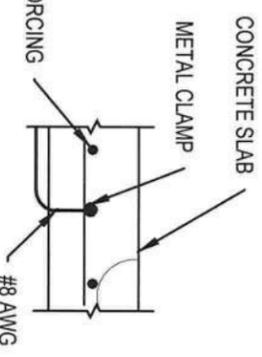
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| REVISION SCHEDULE | | |
|-------------------|---------|----------------------|
| REV. | DATE | REVISION DESCRIPTION |
| 1 | 1/24/18 | UPDATED TO 2017 CODE |
| 2 | 1/12/21 | UPDATED TO 2020 CODE |

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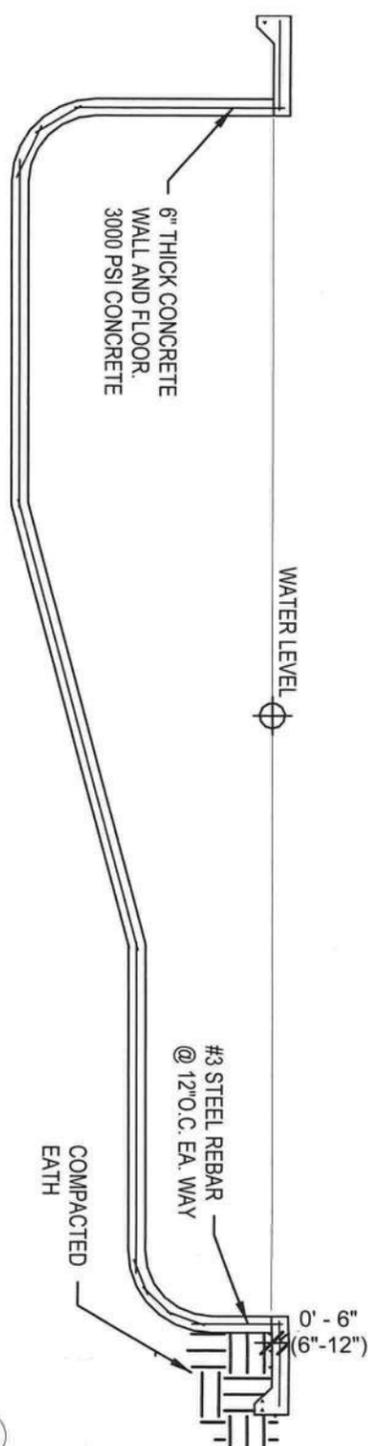
- NOTE:
- EQUIPOTENTIAL BONDING GRID
 - USE SOLID #8 AWG OR LARGER COPPER CONDUCT TO BOND ALL THE METAL IN AND AROUND THE POOL TOGETHER INTO AN INTERCONNECTED GRID.
 - THE REINFORCED CONCRETE DECK AND POOL SHELL WILL SERVE AS AN EQUIPOTENTIAL BONDING GRID CONTRACTOR TO SPECIFY AND DESIGN FINAL PUMPING AND PIPING
 -



1 CONCRETE PLAN
1/4" = 1'-0"

2 EQUIPOTENTIAL BOND DETAIL
1 1/2" = 1'-0"

| | | | |
|-------------------------------|-------|---|--|
| CERTIFIED CONCRETE POOL PLANS | | | GILL ENGINEERING SERVICES. INC. AUTH #30824 GARY GILL, PE #51942 426 SW COMMERCE DR. 130-M LAKE CITY, FL 32025 386-590-1242 |
| PEELER POOLS OF NORTH FLORIDA | | | |
| POOL LAYOUT PLAN | | | |
| 1532-054 | S-001 | 2 | |

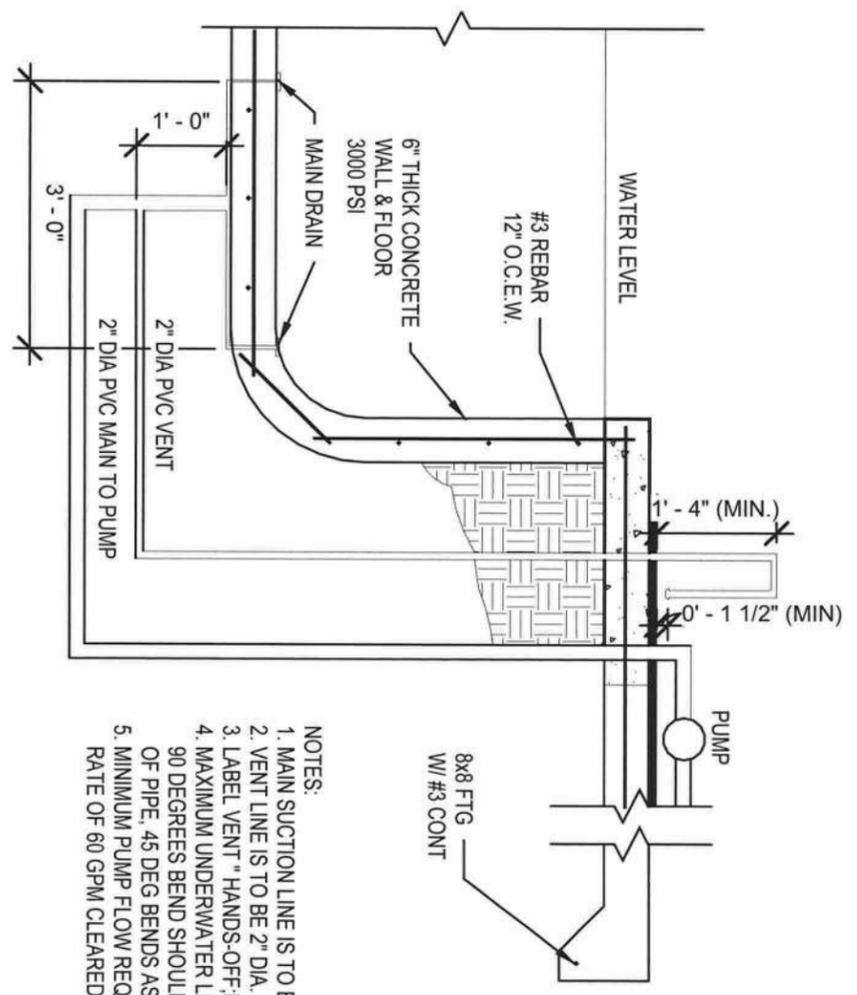


| PIPE SIZING CHART (MAX.) | | |
|--------------------------|---------|----------|
| PIPE | SUCTION | PRESSURE |
| 1 1/2" | 35 GPM | 60 GPM |
| 2" | 60 GPM | 100 GPM |

4 PIPE SIZING
3/8" = 1'-0"

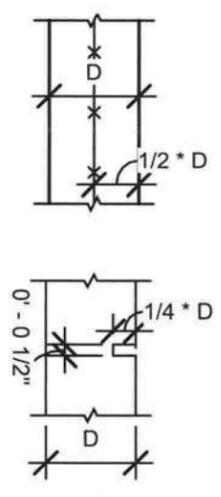
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1 POOL SECTION (TYPICAL)
3/16" = 1'-0"

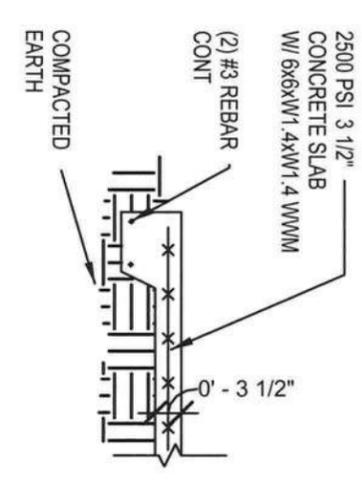


- NOTES:
1. MAIN SUCTION LINE IS TO BE 2" DIA.
 2. VENT LINE IS TO BE 2" DIA.
 3. LABEL VENT "HANDS-OFF-POOL SAFETY DEVICE"
 4. MAXIMUM UNDERWATER LENGTH OF PIPE IS 30 FT. 90 DEGREES BEND SHOULD BE COUNTED AS 3 FT. OF PIPE. 45 DEG BENDS AS 2 FT.
 5. MINIMUM PUMP FLOW REQUIRED IS 42 GPM, TEST FLOW RATE OF 60 GPM CLEARED VENT LINE IN LESS THAN 3 SECS.

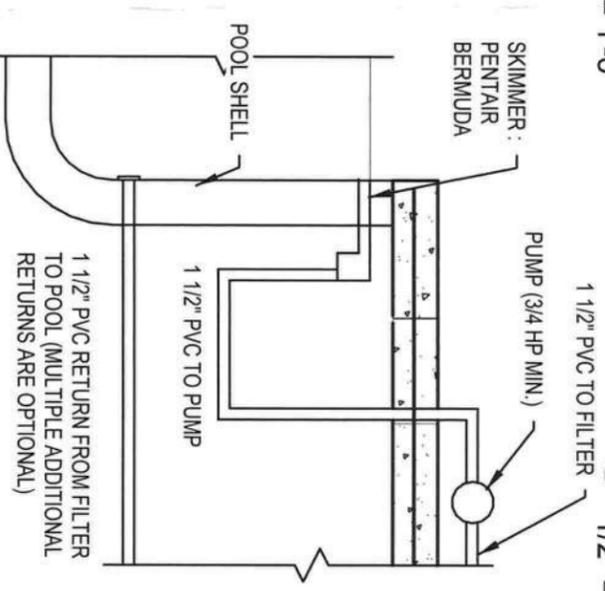
2 MAIN DRAIN WITH AIR VENT
1/2" = 1'-0"



6 SLAB AND JOINT DETAIL
1 1/2" = 1'-0"



5 SLAB DETAIL
1/2" = 1'-0"



3 SKIMMER MAIN RETURN SYSTEM - SUCTION PIPEWORK DIAGRAM
1/2" = 1'-0"

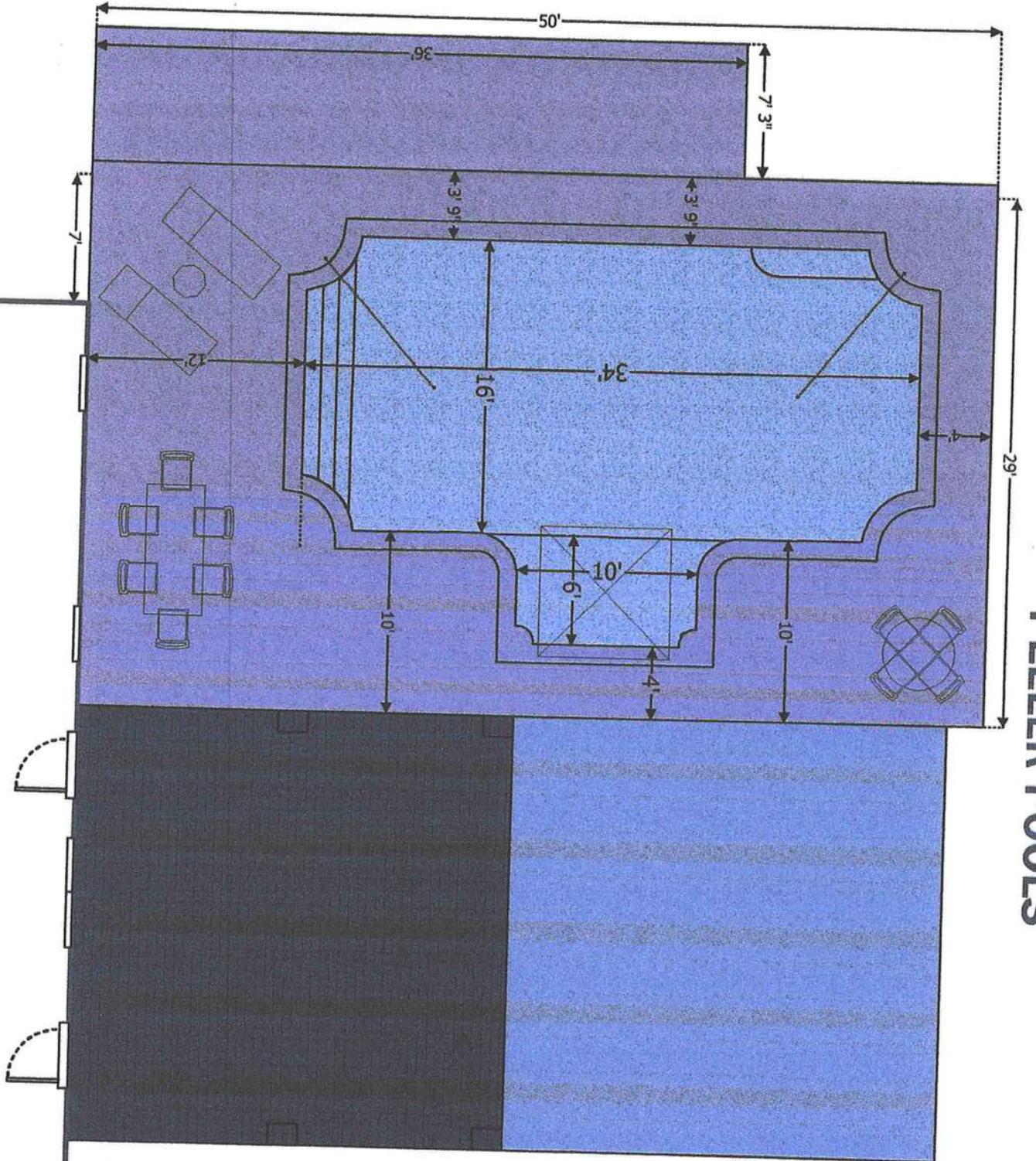
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| PEELER POOLS OF NORTH FLORIDA | | |
| SECTIONS AND DETAILS | | |
| 1532-054 | S-002 | 2 |

PEELER POOLS

Justin & Lacy Blakley
 jlblakley@windstream.net
 Columbia County

- 16' x 34' Pool 3 1/2' - 6' Deep
- Pool Vac
- Salt System
- Sun Ledge w/ Umbrella Anchor
- Color Lights
- 2- Deck Jets

1169 sf Deck
 579 sf Pool



Scale: 1/8" = 1 ft