

# PEELER POOLS OF NORTH FLORIDA CERTIFIED POOL PLANS

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

**GENERAL DESIGN REQUIREMENTS:**

- DESIGN DIMENSIONS SHALL COMPLY WITH SPECIFICATIONS INANSI/NSPI 5 RESIDENTIAL IN-GROUND POOLS BASED ON THE POOL TYPE AND NSPI 3 PERMANENTLY INSTALLED RESIDENTIAL SPAS.
- SEE ANSI/NSPI 5 FOR DIVING WATER ENVELOPES.
- SLIDES SHALL MEET MANUFACTURER'S INSTALLATION REQUIREMENTS
- ENTRY/EXIT: SHALL COMPLY WITH ANSI/NSPI 5 AND NS3'I LADDERS, UNDERWATER SEATS AND SWIM OUTS (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 ANSI/UL 1081, CORROSION RESISTANT STRAINER AND MEET THE RQUIRED 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 ANSI-Z21.56 OR UL1261 OR UL559
- DISINFECTANT EQUIPMEENT 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° FARENHEIT
- MEET ANSI/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 2019, SECTION

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**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 (M<sub>4</sub> 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 FILLED WITH WATER
- ALL GLASS WITHIN 5' OF WATERS EDGE SHALL COMPLY WITH R308.4(9) FOR SAFETY GLAZING.

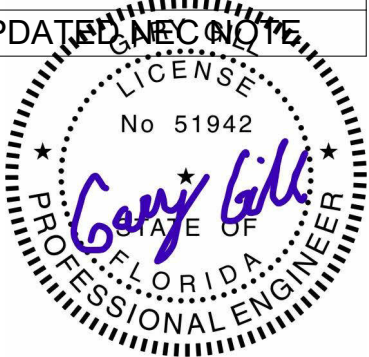
**DRAWING INDEX - BUILDING PACKAGE**

SHEET NUMBER	SHEET NAME	REVISION DATE
T-001	TITLE SHEET	9/26/23
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
3	9/26/23	UPDATED TO NEC 2020



GILL ENGINEERING  
SERVICES, INC.  
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CERTIFIED CONCRETE  
POOL PLANS  
PEELER POOLS OF  
NORTH FLORIDA

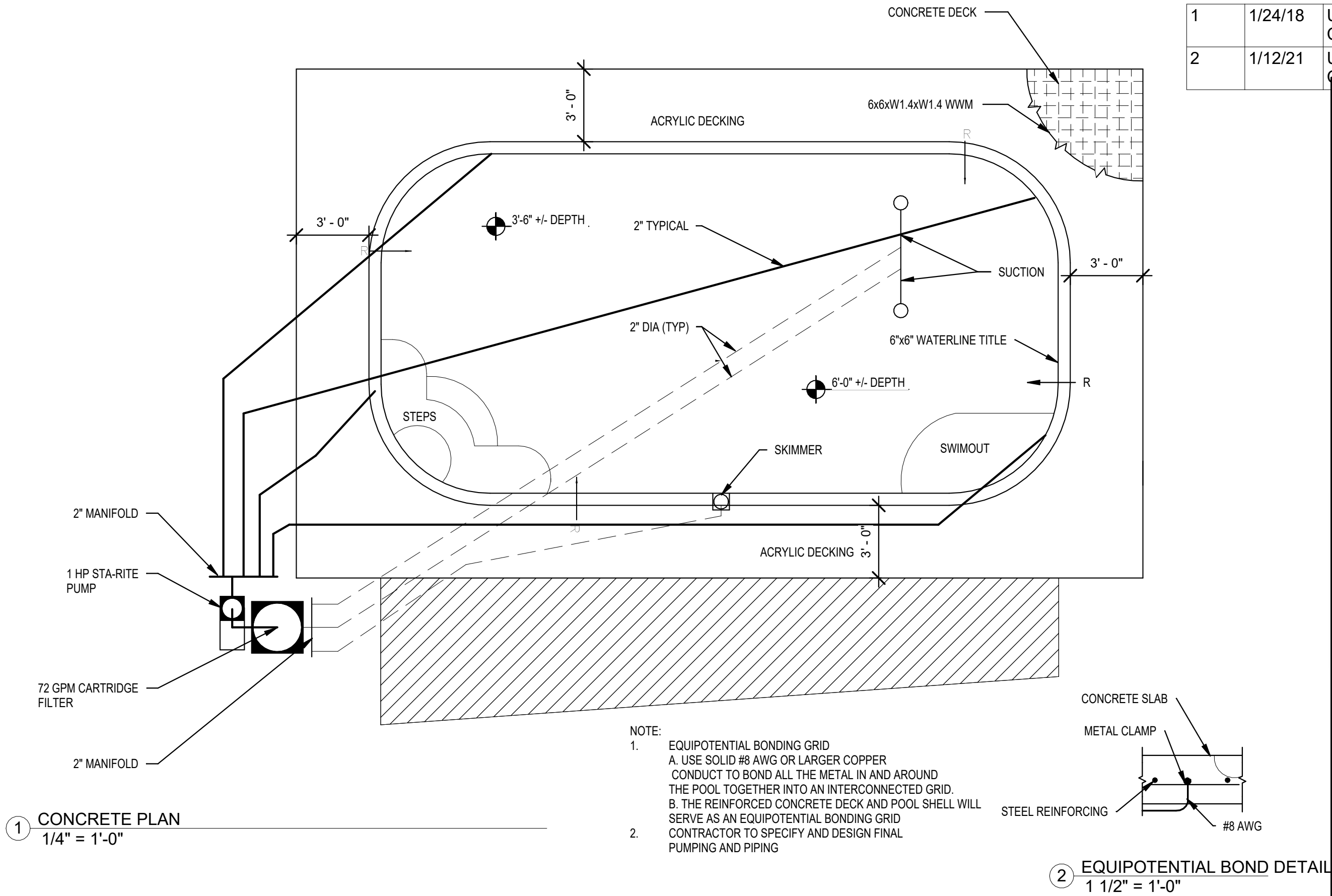
**TITLE SHEET**

1532-054

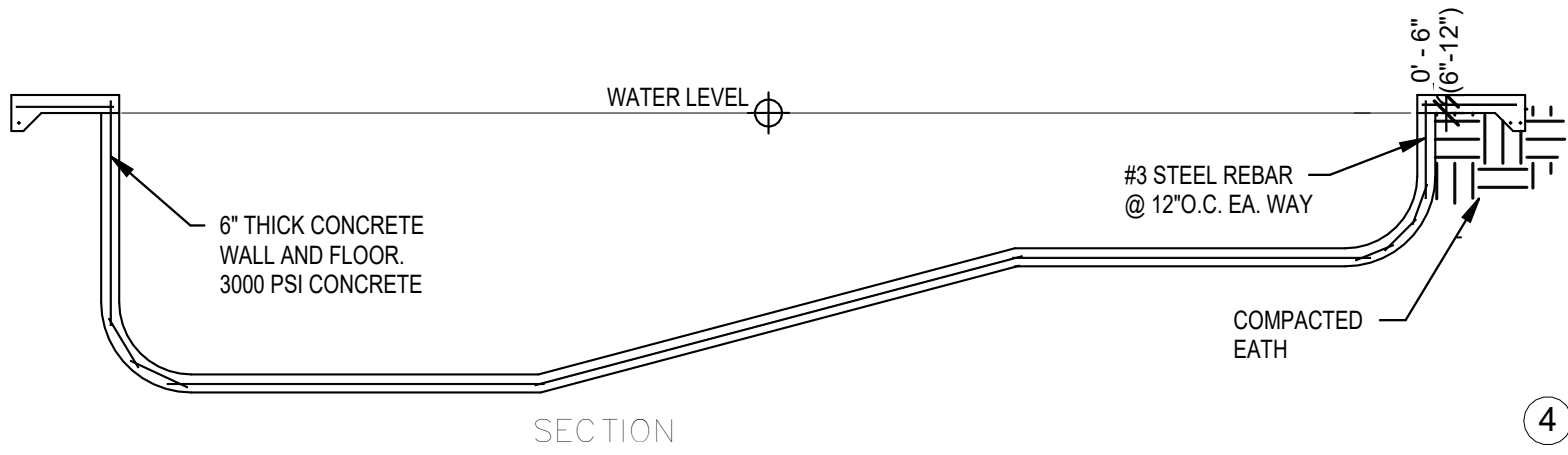
T-001

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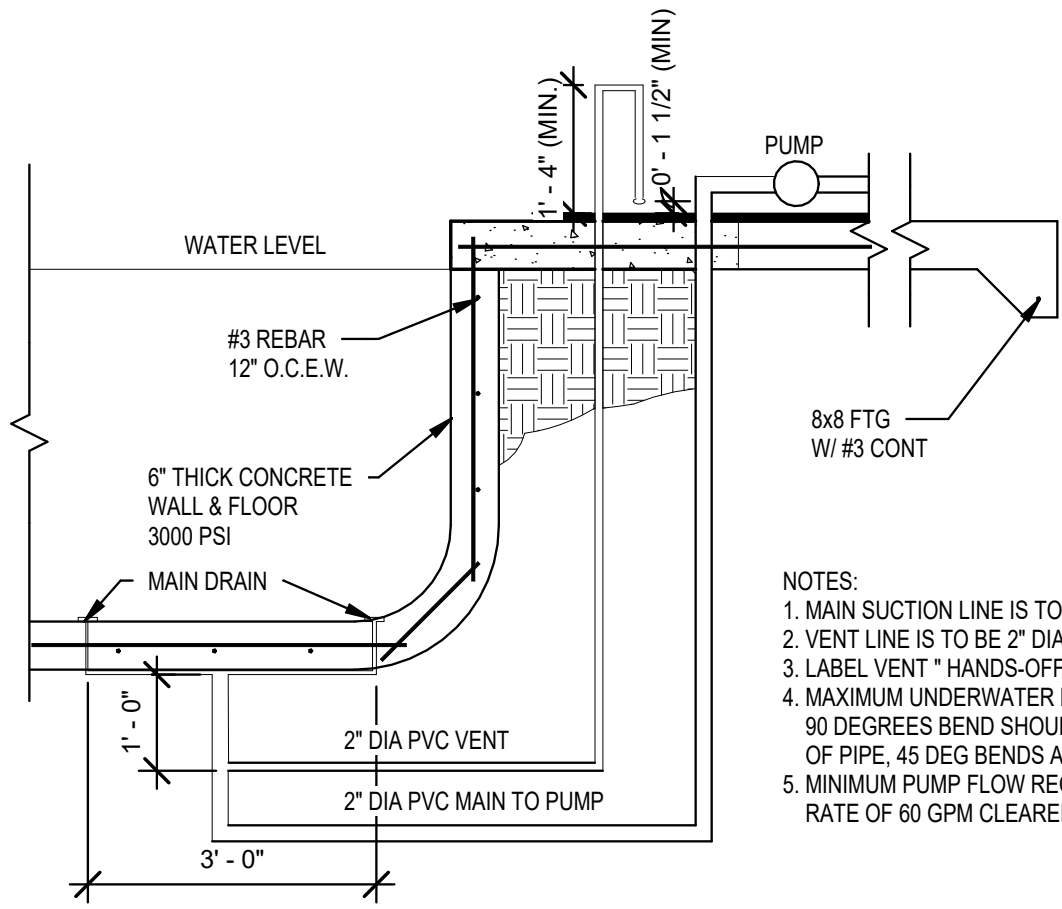
GILL ENGINEERING SERVICES, INC. AUTH #30824 GARY GILL, PE #51942 426 SW COMMERCE DR. 130-M LAKE CITY, FL 32025 386-590-1242		POOL LAYOUT PLAN		2
CERTIFIED CONCRETE POOL PLANS	PEELER POOLS OF NORTH FLORIDA	1532-054		S-001



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

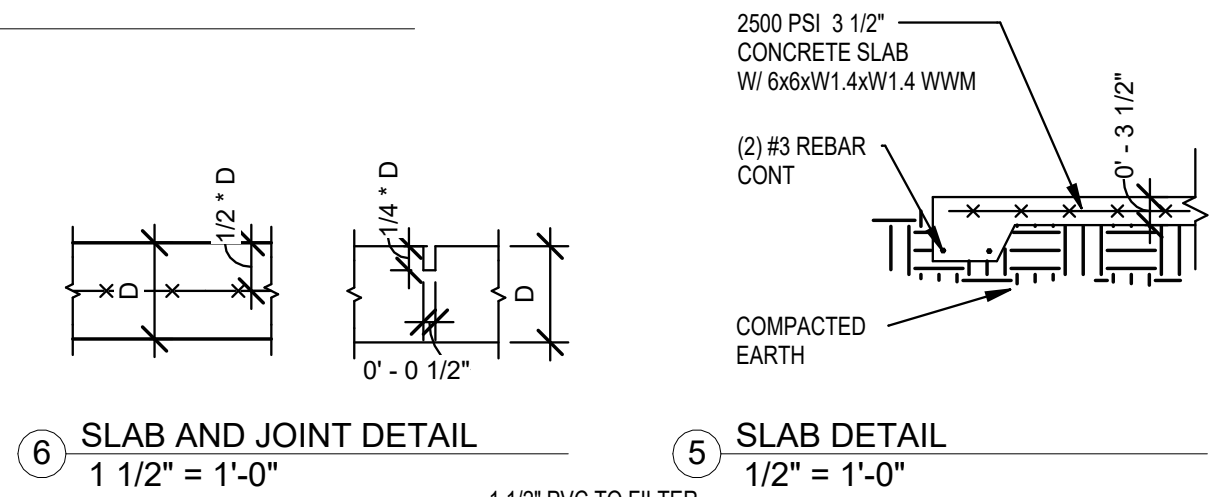
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1 POOL SECTION (TYPICAL)  
3/16" = 1'-0"



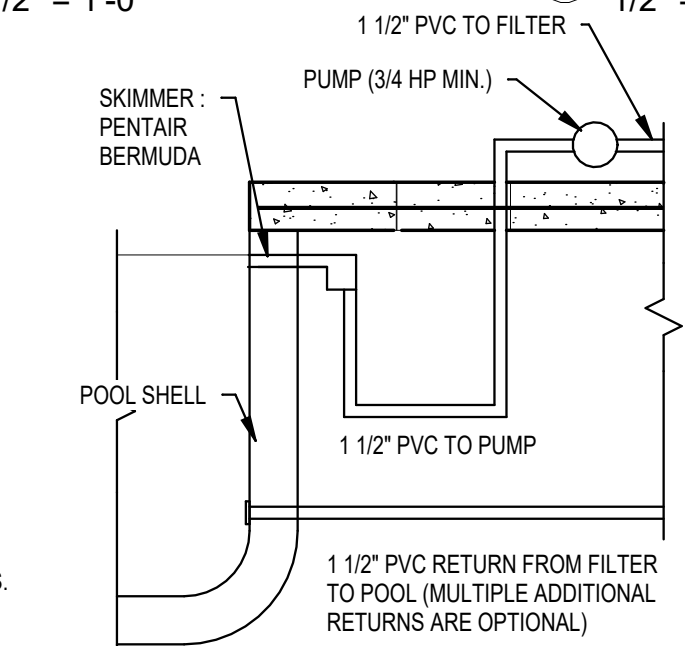
- NOTES:
1. MAIN SUCTION LINE IS TO BE 2" DIA.
  2. VENT LINE IS TO BE 2" DIA.
  3. LABEL VENT " HANDS-OFF;POOL SAFETY DEVICE"
  4. MAXIMUM UNDERWATER LENGTH OF PIPE IS 30 FT. 90 DEGREES BEND SHOULD BE COUNTED AS 3 FT OF PIPE, 45 DEG BENDS AS 2 FT.
  5. MINIMUM PUMP FLOW REQUIRED IS 42 GPM, TEST FLOW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

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