

# PEELER POOLS OF NORTH FLORIDA CERTIFIED POOL PLANS

| 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 NEC NOTE        |
| 4 | 2/28/24 | UPDATED TO CURRENT CODE |

APPLICABLE CODES:  
FLORIDA BUILDING CODE 8 TH EDITION (2023)- BUILDING  
NATIONAL ELECTRIC CODE (NFPA 70)  
FLORIDA BUILDING CODE 8 TH EDITION (2023) - PLUMBING  
FLORIDA BUILDING CODE 8 TH EDITION (2023)- MECHANICAL  
FLORIDA FIRE PROTECTION CODE (INCLUDES LIFE SAFETY 101)

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#### 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 2020, 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          | 2/28/24       |
| S-001        | POOL LAYOUT PLAN     | 1/12/21       |
| S-002        | SECTIONS AND DETAILS | 1/12/21       |

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Digitally signed by Gary Gill  
Date: 2024.02.28 14:50:14 -05'00'



GILL ENGINEERING  
SERVICES, INC.  
AUTH #30824  
GARY GILL, PE #51942  
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DR. 130-M  
LAKE CITY, FL 32025  
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CERTIFIED CONCRETE  
POOL PLANS  
PEELER POOLS OF  
NORTH FLORIDA

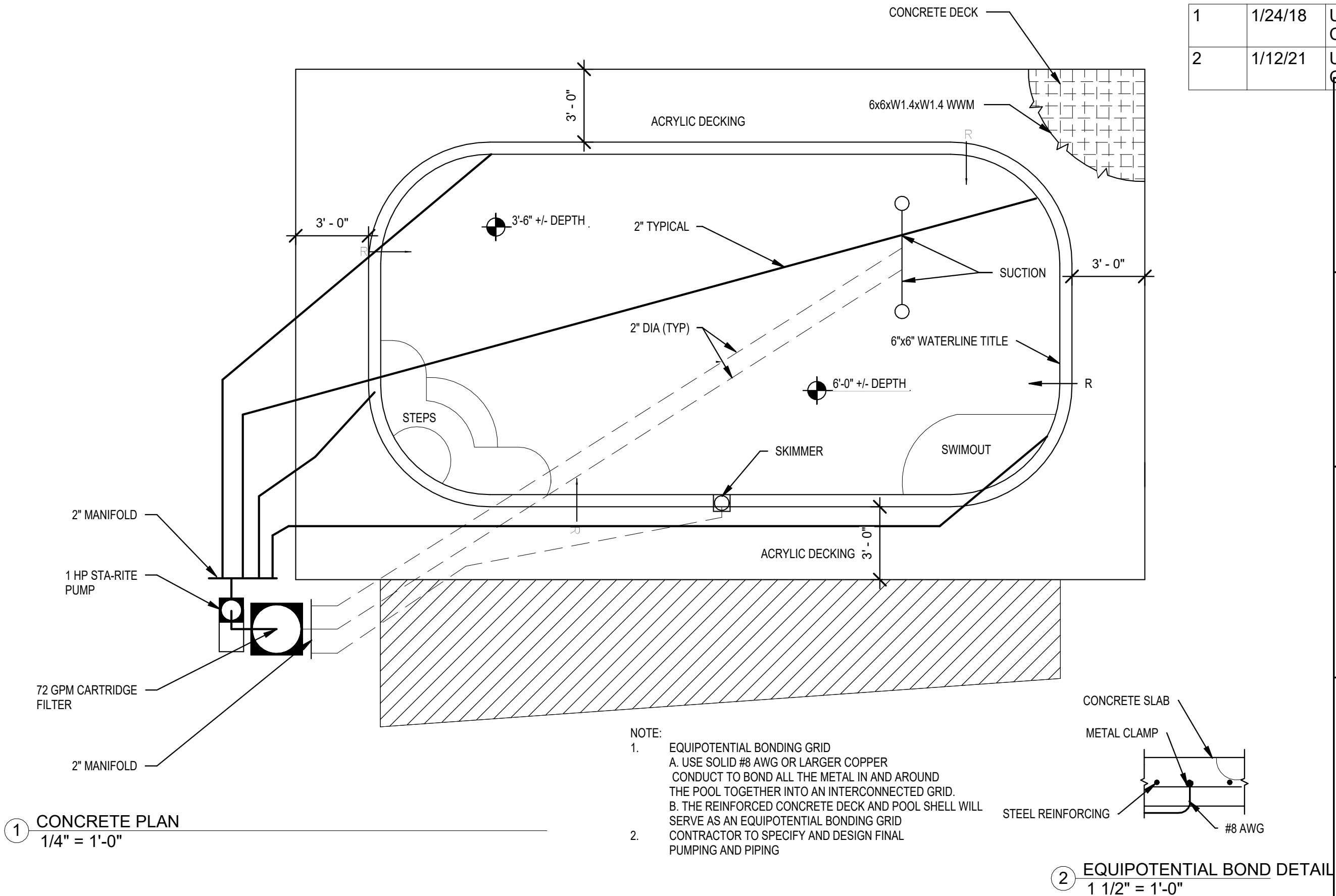
#### TITLE SHEET

1532-054

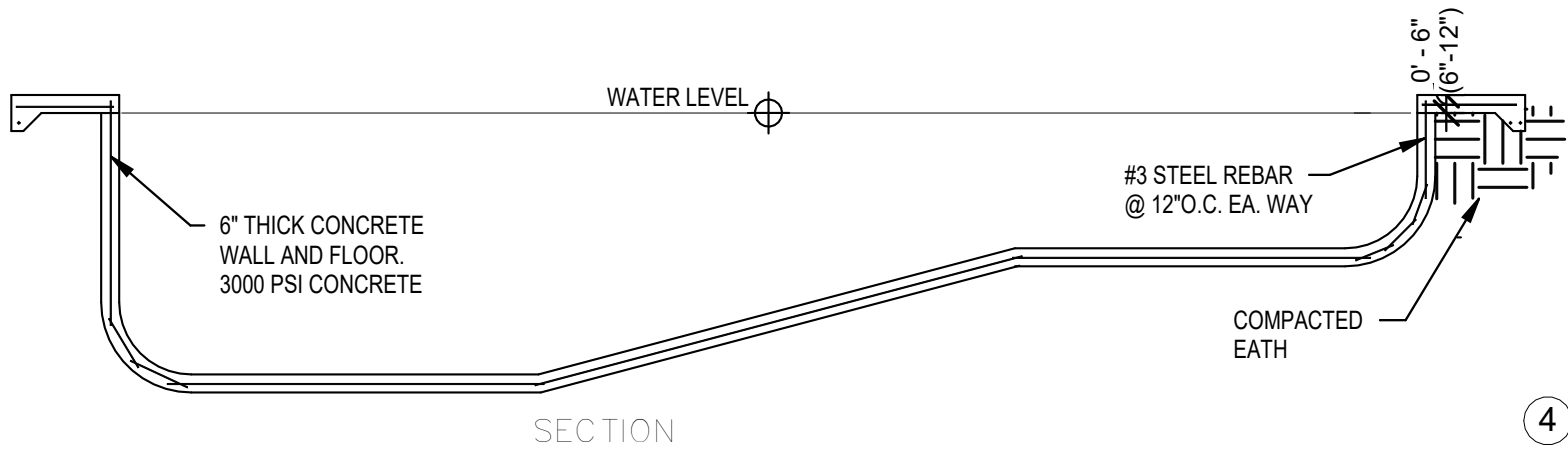
T-001

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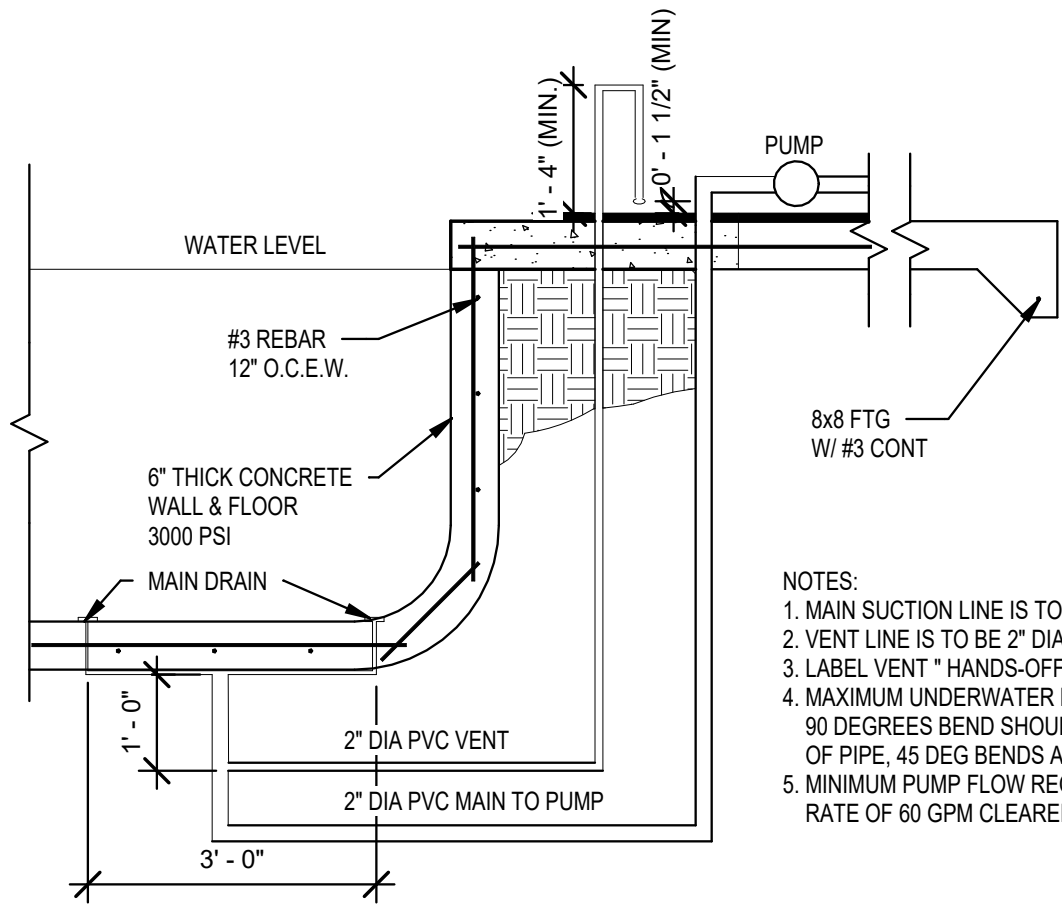
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|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------|--|----------|
| GILL ENGINEERING SERVICES, INC.<br>AUTH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



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

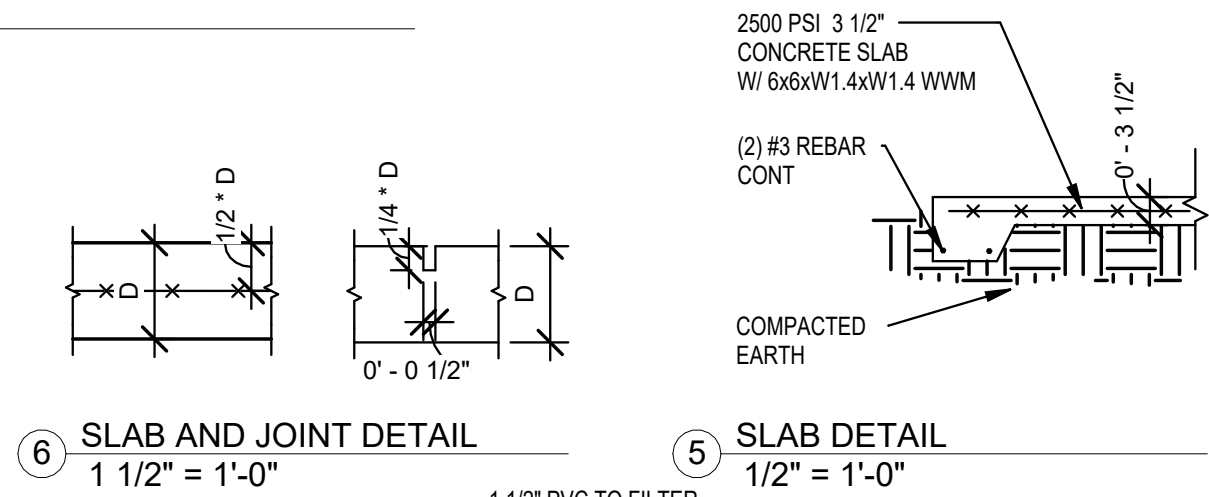
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1 POOL SECTION (TYPICAL)  
3/16" = 1'-0"



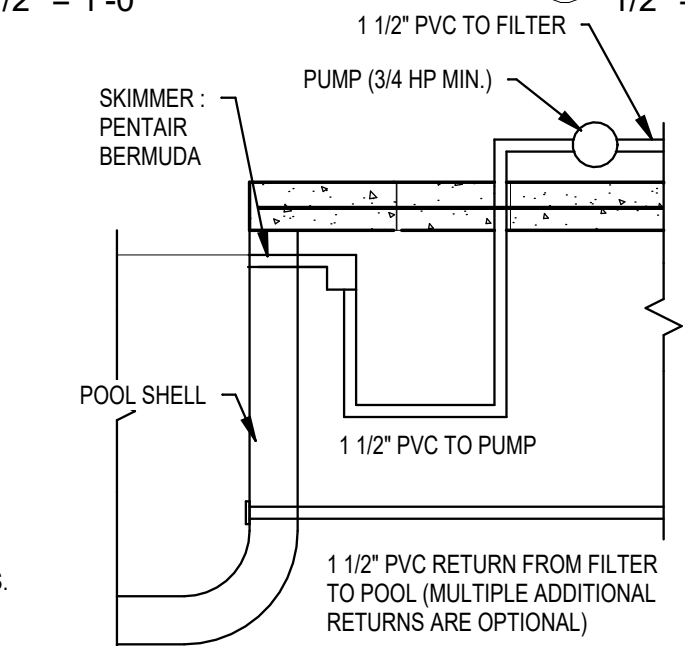
- NOTES:
1. MAIN SUCTION LINE IS TO BE 2" DIA.
  2. VENT LINE IS TO BE 2" DIA.
  3. LABEL VENT " HANDS-OFF; POOL SAFETY DEVICE"
  4. MAXIMUM UNDERWATER LENGTH OF PIPE IS 30 FT. 90 DEGREES BEND SHOULD BE COUNTED AS 3 FT OF PIPE, 45 DEG BENDS AS 2 FT.
  5. MINIMUM PUMP FLOW REQUIRED IS 42 GPM, TEST FLOW 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 |
|                                                                                                                                            |                      |
| CERTIFIED CONCRETE POOL PLANS<br>PEELER POOLS OF NORTH FLORIDA                                                                             | 1532-054             |
|                                                                                                                                            | S-002                |
|                                                                                                                                            | 2                    |