

# PEELER POOLS OF NORTH FLORIDA CERTIFIED POOL PLANS

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)

## GENERAL DESIGN REQUIREMENTS:

1. 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.
2. SEE ANSI/NSPI 5 FOR DIVING WATER ENVELOPES.
3. SLIDES SHALL MEET MANUFACTURER'S INSTALLATION REQUIREMENTS
4. ENTRY/EXIT: SHALL COMPLY WITH ANSI/NSPI 5 AND NS31 LADDERS, UNDERWATER SEATS AND SWIM OUTS (MAX. 20" BELOW WATER)
5. CIRCULATION SYSTEMS, COMPONENTS & EQUIPMENT SHALL COMPLY W/ NSF 50
6. THE MAXIMUM TURNOVER RATE IS 12 HOURS.
7. FILTERS SHALL HAVE AN AIR RELIEF AND PRESSURE GAUGE
8. PUMPS 3 HP AND LESS SHALL MEET ANSI/UL 1081, CORROSION RESISTANT STRAINER AND MEET THE RQUIRED FLOW.
9. SURFACE SKIMMERS SHALL MEET NSF 50 AND THERE SHALL BE ONE FOR EVERY 800 SQUARE FEET OF SURFACE AREA
10. RETURN INLETS SHALL BE A MINIMUM OF ONE FOR EVERY 600 SQ. FT.
11. HEATERS SHALL MEET ANSI-Z21.56 OR UL1261 OR UL559
12. DISINFECTANT EQUIPMEENT SHALL COMPLY WITH NSF 50
13. PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES OR MEET LOCAL CODE IF GREATER
14. POOL SHAPE IS FREE FORM, ABOVE SHAPE AND DIMENSION ARE APPROXIMATE
15. ASSUMED SOIL BEARING = 1.5 KSF
16. INSTALL CONTROL JOINTS @ 20'-0" O.C. IN POOL DECKING.
17. CONCRETE STAIRS ARE 12" TREAD WITH AND 10" MAX. HEIGHT
18. LIGHTING IF INSTALLED WILL BE FIBER OPTIC OR LED
19. ALL EQUIPOTENTIAL BONDING SHALL BE INSTALLED PER 2008 NEC 680.26
20. SLAB AND FOOTING : 2500 PSI CONCRETE, GRADE STEEL REBAR

## SPECIAL SPA REQUIREMENTS:

1. MAXIMUM WATER DEPTH 4', MAXIMUM SEAT DEPTH 28", MAXIMUM FLOOR SLOPE 1:12
2. 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
3. SLIDES SHALL MEET MANUFACTURER'S INSTALLATION REQUIREMENTS.
4. IF THE SPA IS OPERATED INTERMITTENTLY IT SHALL HAVE A ONE HOUR TURNOVER
5. MAXIMUM TEMPERATURE IS 104° FARENHEIT
6. MEET ANSI/NSPI ARTICLE XVII SAFETY INSTRUCTION/SAFETY SIGN
7. PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES OR MEET LOCAL CODE IF GREATER

## ELECTRICAL REQUIREMENTS

1. WIRING AND BONDING AND ALL ELECTRICAL TO NEC ARTICLE 680 OR LOCAL CODE.
2. 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
3. EQUIPOTENTIAL BONDING GRID TO BE ACCOMPLISHED PER THE NEC 2020, SECTION

## ADDITIONAL NOTES:

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

## 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

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

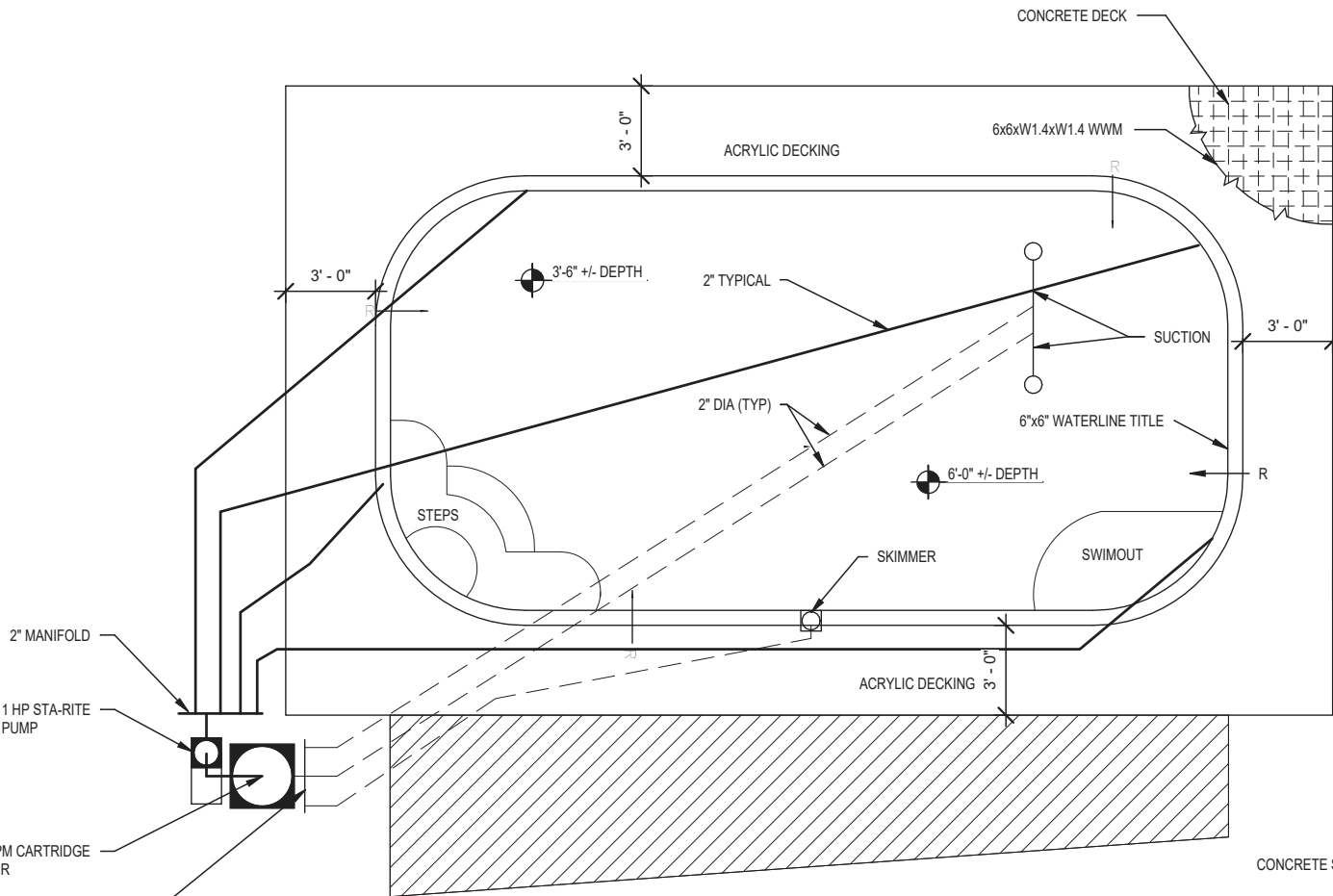


GILL ENGINEERING  
SERVICES, INC.  
AUTH #30824  
GARY GILL, PE #51942  
426 SW COMMERCE  
DR. 130-M  
LAKE CITY, FL 32025  
386-590-1242

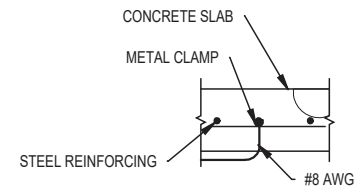


CERTIFIED CONCRETE  
POOL PLANS  
PEELER POOLS OF  
NORTH FLORIDA  
TITLE SHEET  
1532-054  
T-001  
4

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



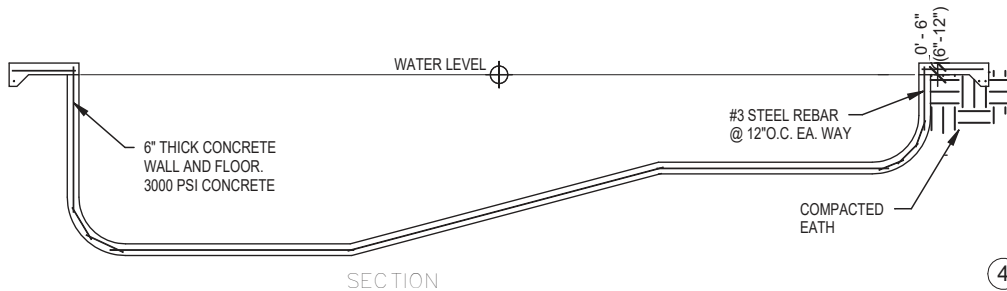
- NOTE:
- EQUIPOTENTIAL BONDING GRID  
A. USE SOLID #8 AWG OR LARGER COPPER CONDUCT TO BOND ALL THE METAL IN AND AROUND THE POOL TOGETHER INTO AN INTERCONNECTED GRID.  
B. THE REINFORCED CONCRETE DECK AND POOL SHELL WILL SERVE AS AN EQUIPOTENTIAL BONDING GRID  
CONTRACTOR TO SPECIFY AND DESIGN FINAL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



① CONCRETE PLAN  
1/4" = 1'-0"

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

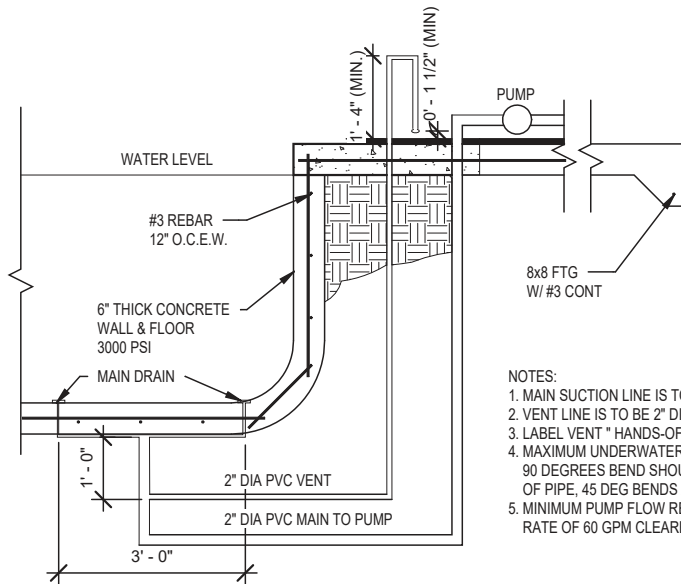
		GILL ENGINEERING SERVICES. INC. AUTH #30824 GARY GILL, PE #51942 426 SW COMMERCE DR. 130-M LAKE CITY, FL 32025 386-590-1242	
CERTIFIED CONCRETE POOL PLANS  PEELER POOLS OF NORTH FLORIDA	POOL LAYOUT PLAN		
	1532-054	S-001	2



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

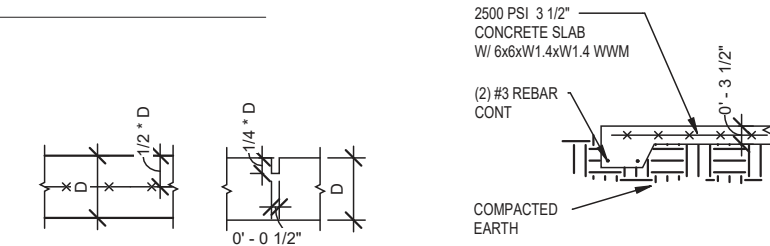
REVISION SCHEDULE		
REV.	DATE	REVISION DESCRIPTION
1	1/24/18	UPDATED TO 2017 CODE
2	1/12/21	UPDATED TO 2020 CODE

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



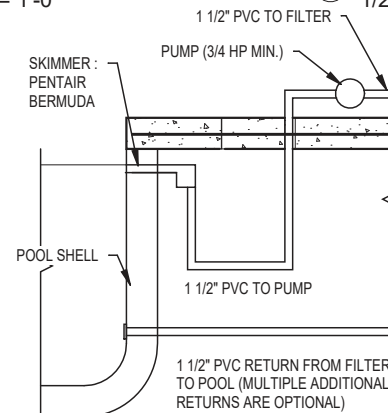
- NOTES:
1. MAIN SUCTION LINE IS TO BE 2" DIA.
  2. VENT LINE IS TO BE 2" DIA.
  3. LABEL VENT "HANDS-OFF; POOL SAFETY DEVICE"
  4. MAXIMUM UNDERWATER LENGTH OF PIPE IS 30 FT. 90 DEGREES BEND SHOULD BE COUNTED AS 3 FT OF PIPE, 45 DEG BENDS AS 2 FT.
  5. MINIMUM PUMP FLOW REQUIRED IS 42 GPM, TEST FLOW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

GILL ENGINEERING SERVICES, INC.  
AUTH #30824  
GARY GILL, PE #51942  
426 SW COMMERCE DR. 130-M  
LAKE CITY, FL 32025  
386-590-1242



CERTIFIED CONCRETE POOL PLANS  
PEELER POOLS OF NORTH FLORIDA

## SECTIONS AND DETAILS

1532-054

S-002

2