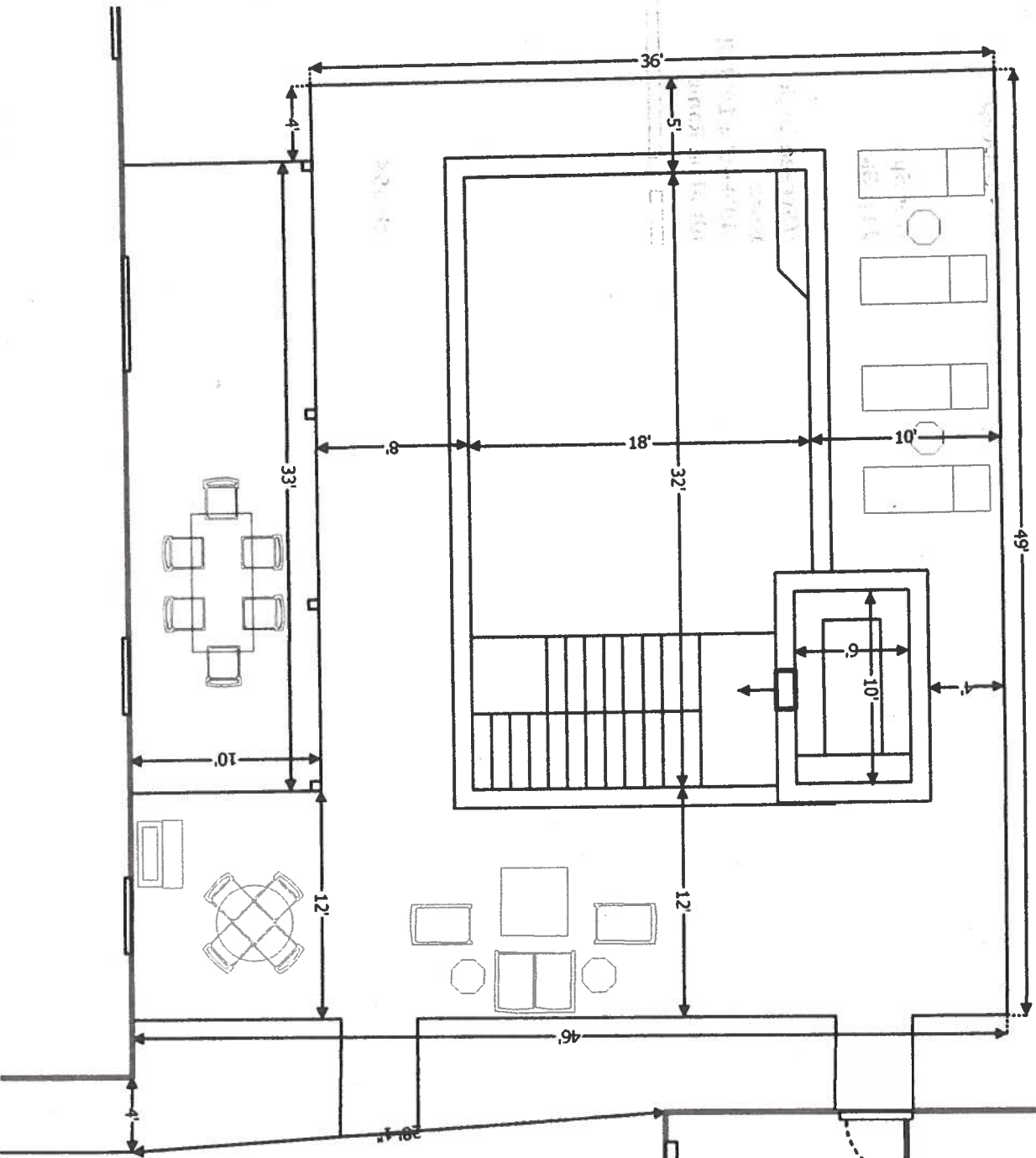


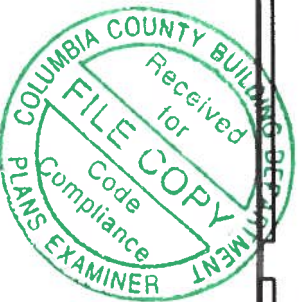
228 SW Arrowend Dr.
 Lake City FL 32024
 Matt Sorensen
 mattewtsorensen@gmail.com
 Columbia County

PEELER POOLS



70' + front
 35' + 30' side
 15' rear

- 18' x 32' Pool 3' - 5' Deep
- Pool Vac
- Color Lights
- 6' x 10' Spillover Spa
- 400,000 BTU LP Gas Ramp
- Salt System
- Easy touch w/Screen Logic
- Screen Enclosure omit 11-13-19 AP
- 10'-4" x 36" + 49" + 46" x 10" Tall
- Possible Handrail on Ramp



1278 sf Deck 554
 sf Pool

Pool plan accepted
 Signature: *[Signature]*
 Date: 11-13-19

REVISION SCHEDULE		
REV.	DATE	REVISION DESCRIPTION

1	1/24/18	UPDATED TO 2017 CODE
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PEELER POOLS

CERTIFIED POOL PLANS

APPLICABLE CODES:
FLORIDA BUILDING CODE 6TH EDITION (2017)- BUILDING
NATIONAL ELECTRIC CODE (NFPA 70)
FLORIDA BUILDING CODE 6TH EDITION (2017) - PLUMBING
FLORIDA BUILDING CODE 6TH EDITION (2017)- MECHANICAL
FLORIDA FIRE PROTECTION CODE (INCLUDES LIFE SAFETY 101)

GENERAL DESIGN REQUIREMENTS:

- DESIGN DIMENSIONS SHALL COMPLY WITH SPECIFICATIONS INANSINSP1 5 RESIDENTIAL IN-GROUND POOLS BASED ON THE POOL TYPE AND NSP1 3 PERMANENTLY INSTALLED RESIDENTIAL SPAS.
- SEE ANSINSP1 5 FOR DIVING WATER ENVELOPES.
- SLIDES SHALL MEET MANUFACTURERS INSTALLATION REQUIREMENTS
- ENTRY/EXIT: SHALL COMPLY WITH ANSINSP1 5 AND NS31 LADDERS, UNDERWATER SEATS AND SWM 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 ANSIUL 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:

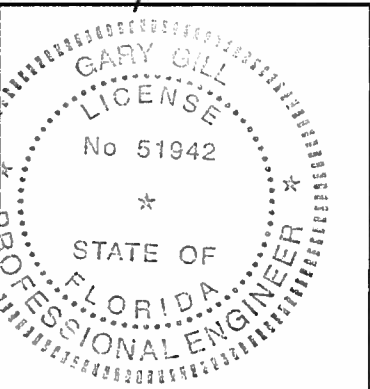
- MAXIMUM WATER DEPTH 4', MAXIMUM SEAT DEPTH 28", MAXIMUM FLOOR SLOPE 1:12
 - STEPS: MINIMUM TREAD = 10"x12", MINIMUM RISER=7" MAXIMUM RISER= 12" EXCEPT THE BOTTOM STEP MAY BE 14" IF IT IS THE SEAT. INTERMEDIATE TREADS AND RISERS TO BE UNIFORM
 - SLIDES SHALL MEET MANUFACTURERS INSTALLATION REQUIREMENTS.
 - IF THE SPA IS OPERATED INTERMITTENTLY IT SHALL HAVE A ONE HOUR TURNOVER
 - MAXIMUM TEMPERATURE IS 104° FARENHEIT
 - MEET ANSINSP1 ARTICLE XVII SAFETY INSTRUCTIONS/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


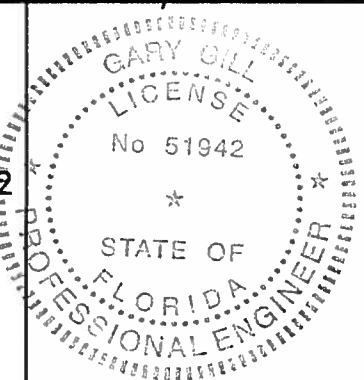
ADDITIONAL NOTES:

- 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, I.E. 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 SWMOUTS
- 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.



Gary Gill
7/25/18

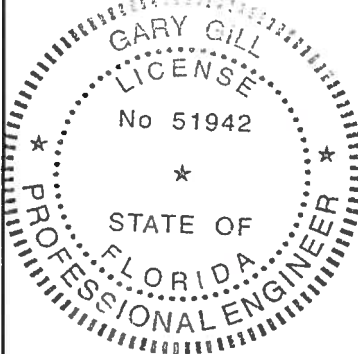


CERTIFIED CONCRETE POOL PLANS			GILL ENGINEERING SERVICES. INC. AUTH #30824 GARY GILL, PE #51942 426 SW COMMERCE DR. 130-M LAKE CITY, FL 32025 386-590-1242	
PEELER POOLS				
TITLE SHEET				
1532-054	T-001	1		



REVISION SCHEDULE		
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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



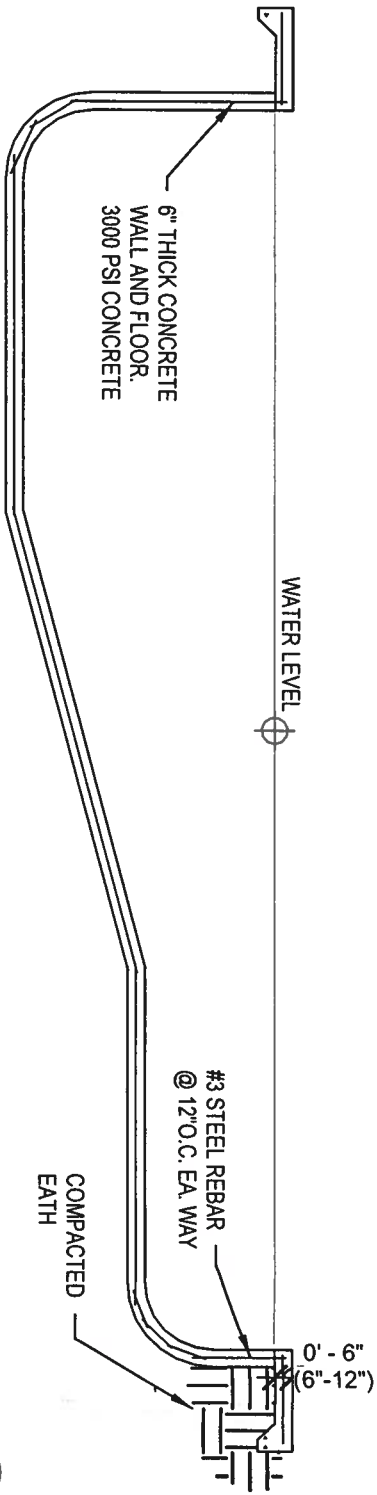
CERTIFIED CONCRETE POOL PLANS
 PEELER POOLS

SECTIONS AND DETAILS

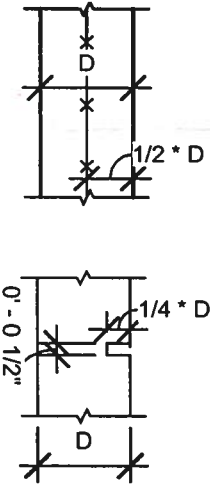
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PIPE SIZING CHART (MAX.)			
PIPE	SUCTION	PRESSURE	
1 1/2"	35 GPM	60 GPM	
2"	60 GPM	100 GPM	

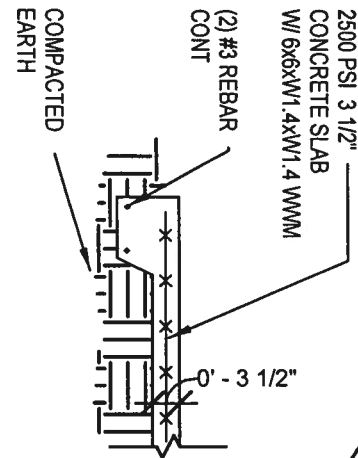
4 PIPE SIZING
 3/8" = 1'-0"



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

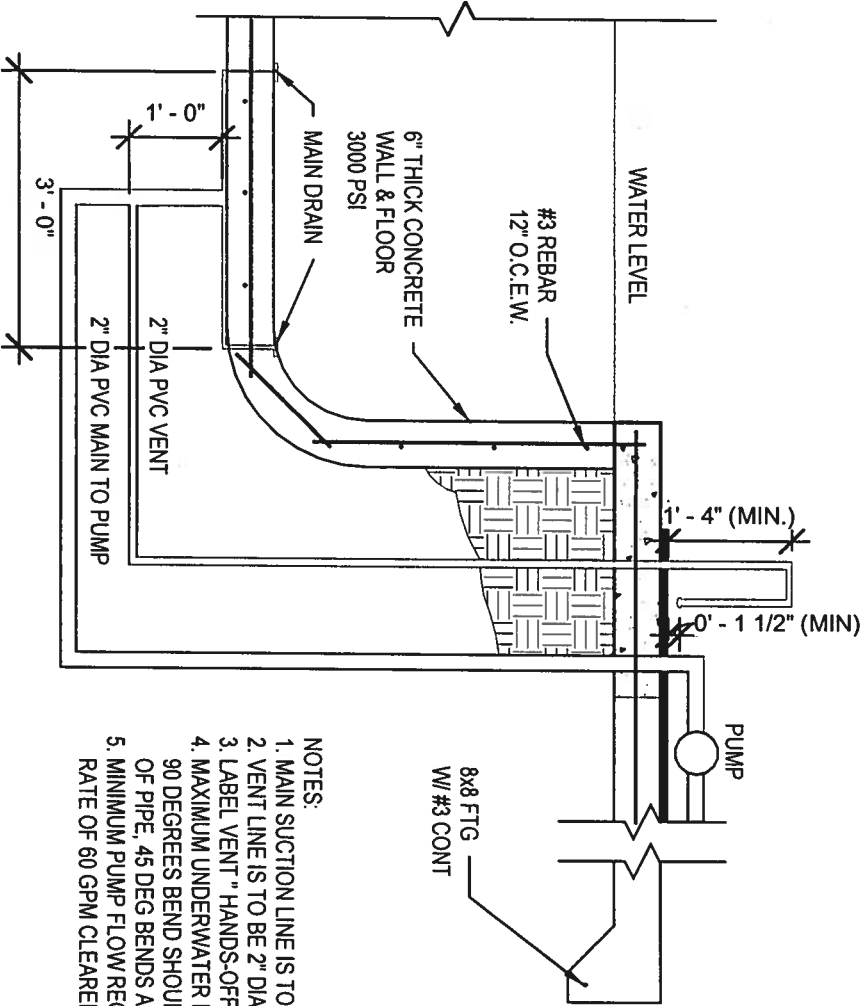


6 SLAB AND JOINT DETAIL
 1 1/2" = 1'-0"

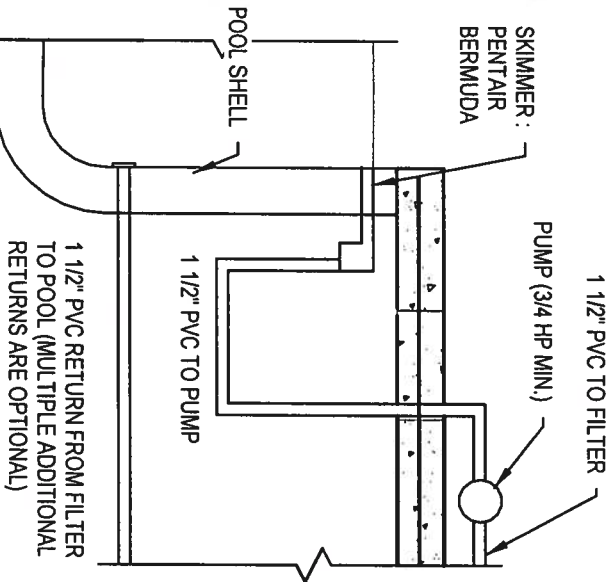


5 SLAB DETAIL
 1/2" = 1'-0"

- 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.




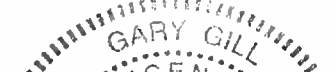
2 MAIN DRAIN WITH AIR VENT
 1/2" = 1'-0"



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

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PEELER POOLS				
POOL LAYOUT PLAN				
1532-054	S-001	1		