

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 NSPI 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 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 ANSI/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 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 INSTRUCTIONSAFETY 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(AAPPROVED 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 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	1/24/18
S-001	POOL LAYOUT PLAN	1/24/18
S-002	SECTIONS AND DETAILS	1/24/18

G. Gill
7/23/18



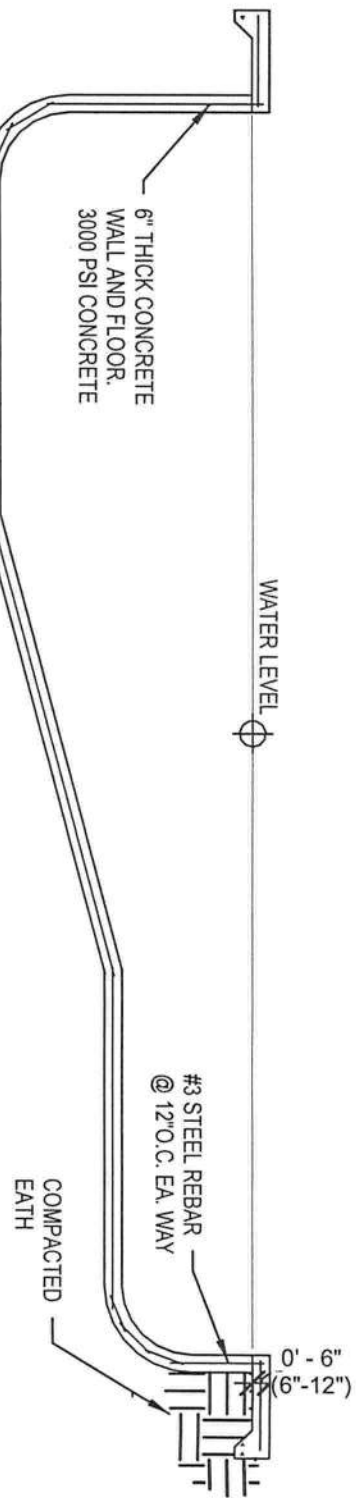
CERTIFIED CONCRETE POOL PLANS			GILL ENGINEERING SERVICES. INC. AUTH #30824 GARY GILL, PE #51942 426 SW COMMERCE DR. 130-M LAKE CITY, FL 32025 386-590-1242	
PEELER POOLS				
TITLE SHEET				
1532-054	T-001	1		

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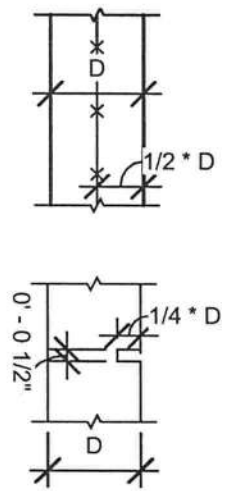
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PIPE SIZING CHART (MAX.)			
PIPE	SUCTION	PRESSURE	
1 1/2"	35 GPM	60 GPM	
2"	60 GPM	100 GPM	

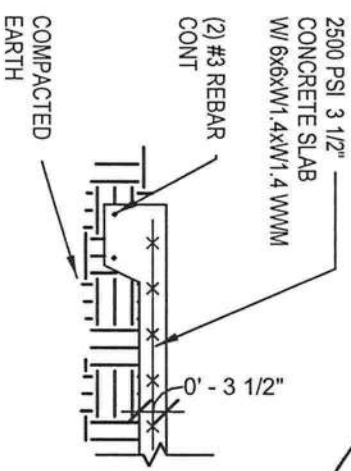
4 PIPE SIZING
3/8" = 1'-0"



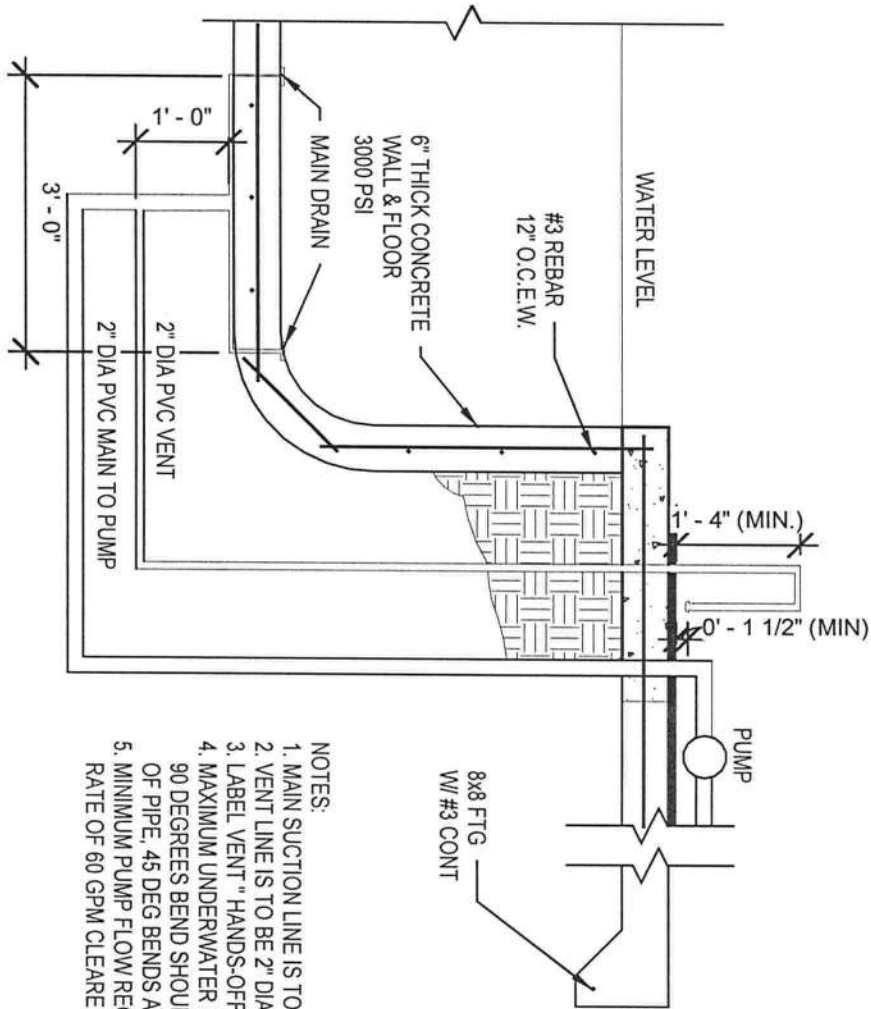
1 POOL SECTION (TYPICAL)
3/16" = 1'-0"



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

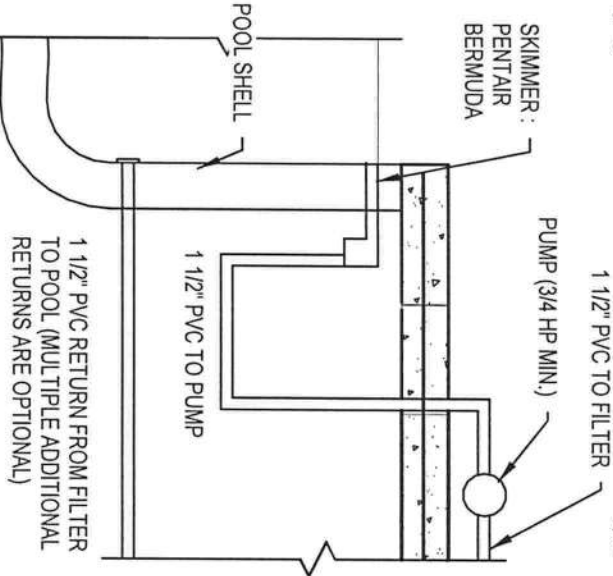


5 SLAB DETAIL
1/2" = 1'-0"



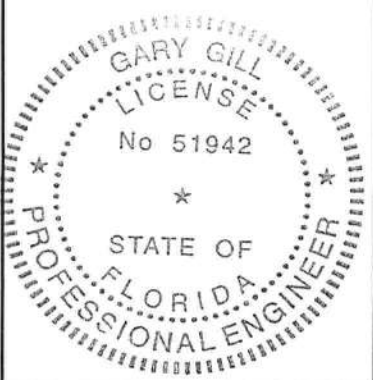
2 MAIN DRAIN WITH AIR VENT
1/2" = 1'-0"

- 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.



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

Gary Gill
1/25/18



GILL ENGINEERING SERVICES. INC.
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CERTIFIED CONCRETE POOL PLANS		
PEELER POOLS		
SECTIONS AND DETAILS		
1532-054	S-002	1