

DATE 09/08/2008

Columbia County Building Permit
This Permit Must Be Prominently Posted on Premises During Construction

PERMIT
000027321

APPLICANT SANDRA KESSEL PHONE 352 694-4019
ADDRESS 1147 NE 17TH RD Ocala FL 34470
OWNER JOHN & KAREN DEARDORFF PHONE 352 274-1548
ADDRESS 861 NW BLACKBERRY CIRCLE LAKE CITY FL 32055
CONTRACTOR CRYSTAL KOOL POOLS PHONE 352 694-4019
LOCATION OF PROPERTY 90W, TR BROWN RD, TR NASH, TL BLACKBERRY CR, TL ON FIRST ROAD, 11TH LOT ON LEFT
TYPE DEVELOPMENT SWIMMING POOL ESTIMATED COST OF CONSTRUCTION 22800.00
HEATED FLOOR AREA TOTAL AREA HEIGHT STORIES
FOUNDATION WALLS ROOF PITCH FLOOR
LAND USE & ZONING PRRD MAX. HEIGHT
Minimum Set Back Requirments: STREET-FRONT 30.00 REAR 25.00 SIDE 25.00
NO. EX.D.U. 0 FLOOD ZONE N/A DEVELOPMENT PERMIT NO.

PARCEL ID 17-3S-16-02168-110 SUBDIVISION BLACKBERRY FARMS
LOT 10 BLOCK PHASE UNIT TOTAL ACRES

CPC1457543
Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor
EXISTING X08-283 BK HD N
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS:
Check # or Cash 15564

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by
Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by
Framing date/app. by Rough-in plumbing above slab and below wood floor date/app. by
Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by
Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by
M/H tie downs, blocking, electricity and plumbing date/app. by Pool date/app. by
Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by
M/H Pole date/app. by Travel Trailer date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ 115.00 CERTIFICATION FEE \$ 0.00 SURCHARGE FEE \$ 0.00
MISC. FEES \$ 0.00 ZONING CERT. FEE \$ 50.00 FIRE FEE \$ 0.00 WASTE FEE \$
FLOOD DEVELOPMENT FEE \$ FLOOD ZONE FEE \$ CULVERT FEE \$ TOTAL FEE 165.00
INSPECTORS OFFICE CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

EVERY PERMIT ISSUED SHALL BECOME INVALID UNLESS THE WORK AUTHORIZED BY SUCH PERMIT IS COMMENCED WITHIN 180 DAYS AFTER ITS ISSUANCE, OR IF THE WORK AUTHORIZED BY SUCH PERMIT IS SUSPENDED OR ABANDONED FOR A PERIOD OF 180 DAYS AFTER THE TIME THE WORK IS COMMENCED. A VALID PERMIT RECIEVES AN APPROVED INSPECTION EVERY 180 DAYS. WORK SHALL BE CONSIDERED TO BE IN ACTIVE PROGRESS WHEN THE PERMIT HAS RECIEVED AN APPROVED INSPECTION WITHIN 180 DAYS.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.

Columbia County Building Permit Application

For Office Use Only Application # 0808-55 Date Received _____ By _____ Permit # 27321
 Zoning Official BLK Date 04.09.08 Flood Zone N/A Land Use A-3 Zoning PRRD
 FEMA Map # N/A Elevation N/A MFE N/A River N/A Plans Examiner LD Date 9.4.08
 Comments _____
☐ NOC ☒ EH ☒ Deed or PA ☒ Site Plan ☒ State Road Info ☐ Parent Parcel # _____
☐ Dev Permit # _____ ☐ In Floodway ☐ Letter of Auth. from Contractor ☐ F W Comp. letter
 IMPACT FEES: EMS _____ Fire _____ Corr _____ Road/Code _____
 School _____ = TOTAL EXEMPT

Septic Permit No. XOF-283 Fax 352-629-7699

Name Authorized Person Signing Permit Sandra Kessel Phone 352-694-4019

Address 1147 NE 17th Road Ocala, FL 34470

Owners Name John + Karen Deardorff Phone 352-425-5604

911 Address 861 NW Blackberry Circle Lake City, FL 32055

Contractors Name Crystal Kool Pools, Inc Phone 352-694-4019

Address 1147 NE 17th Road Ocala, FL 34470

Fee Simple Owner Name & Address N/A

Bonding Co. Name & Address N/A

Architect/Engineer Name & Address N/A

Mortgage Lenders Name & Address N/A

Circle the correct power company - FL Power & Light - Clay Elec. - Suwannee Valley Elec. - Progress Energy

Property ID Number 17-3516-02168-110 Estimated Cost of Construction 22,800-

Subdivision Name Blackberry Farms Lot 10 Block _____ Unit _____ Phase _____

Driving Directions us 90 West to Brown Rd +/r to Nash Rd +/r
+/r into Blackberry Farms - lot 15 located in the
back of subdivision - 11th lot on left
 Number of Existing Dwellings on Property _____

Construction of inground concrete swimming pool Total Acreage _____ Lot Size _____

Do you need a - Culvert Permit or Culvert Waiver or Have an Existing Drive Total Building Height _____

Actual Distance of Structure from Property Lines - Front 129 Side 110 Side 160 Rear 100

Number of Stories _____ Heated Floor Area _____ Total Floor Area _____ Roof Pitch _____

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

Jim called and spoke with Sandra and said

Columbia County Building Permit Application

TIME LIMITATIONS OF APPLICATION : An application for a permit for any proposed work shall be deemed to have been abandoned 180 days after the date of filing, unless such application has been pursued in good faith or a permit has been issued; except that the building official is authorized to grant one or more extensions of time for additional periods not exceeding 90 days each. The extension shall be requested in writing and justifiable cause demonstrated.

FLORIDA'S CONSTRUCTION LIEN LAW: Protect Yourself and Your Investment

According to Florida Law, those who work on your property or provide materials, and are not paid-in-full, have a right to enforce their claim for payment against your property. This claim is known as a construction lien. If your contractor fails to pay subcontractors or material suppliers or neglects to make other legally required payments, the people who are owed money may look to your property for payment, even if you have paid your contractor in full. This means if a lien is filed against your property, it could be sold against your will to pay for labor, materials or other services which your contractor may have failed to pay.

NOTICE OF RESPONSIBILITY TO BUILDING PERMITEE:

YOU ARE HEREBY NOTIFIED as the recipient of a building permit from Columbia County, Florida, you will be held responsible to the County for any damage to sidewalks and/or road curbs and gutters, concrete features and structures, together with damage to drainage facilities, removal of sod, major changes to lot grades that result in ponding of water, or other damage to roadway and other public infrastructure facilities caused by you or your contractor, subcontractors, agents or representatives in the construction and/or improvement of the building and lot for which this permit is issued. No certificate of occupancy will be issued until all corrective work to these public infrastructures and facilities has been corrected.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

OWNERS CERTIFICATION: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning. I further understand the above written responsibilities in Columbia County for obtaining this Building Permit.



Owners Signature

CONTRACTORS AFFIDAVIT: By my signature I understand and agree that I have informed and provided this written statement to the owner of all the above written responsibilities in Columbia County for obtaining this Building Permit.


Contractor's Signature (Permitee)

Contractor's License Number CPC 145 7543
Columbia County
Competency Card Number _____

Affirmed under penalty of perjury to by the Contractor and subscribed before me this 29 day of Aug. 20 08.
Personally known _____ or Produced Identification K240-797-70-701-D


State of Florida Notary Signature (For the Contractor)

SEAL:



**COLUMBIA COUNTY BUILDING DEPARTMENT**

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Office: 386-758-1008 Fax: 386-758-2160

Application Number _____

NOTICE TO SWIMMING POOL OWNERS

I, JOHN A. DEARDORFF have been informed and I understand that prior to the final inspection approval and use of my pool. I will need all the inspections approved and the required fencing installed in accordance with applicable regulations. The Florida Building Code Chapter 4 Section 24 requires private residential swimming pools, hot tubs, or non-portable spas containing water over 24 inches deep to meet the following pool barrier safety feature requirements:

- The pool access must be isolated by a barrier at least 4 feet high and installed around the perimeter of the pool. Unless the pool is equipped with a safety cover complying with the specifications of American Society for Testing and Materials standard F-1346-91.
- The barrier shall not have any gaps or openings which would allow a child to crawl under, squeeze through or climb over and must be placed no less than 20 inches from the water's edge.
- Gates located in the pool barrier must open outward away from the pool and be both self-closing and self-latching, with a release mechanism not less than 54" above the standing surface at the gate.
- The barrier must be separate from any other fence, wall, or other enclosure surrounding the yard unless the fence, wall or other enclosure or portion thereof is situated on the perimeter of the pool and meets the pool barrier requirements.
- Where a wall of a dwelling serves as part of the barrier **one** of the following shall apply:
 - 1) All doors and first floor windows with a sill height of less than 48 inches providing direct access from the home to the pool must be equipped with an alarm that has a minimum sound pressure rating of 85 decibels at 10 feet. The alarm shall sound immediately upon opening the window or door unless the temporary bypass mechanism is activated.
 - 2) Or: all doors providing direct access from the home to the pool must be equipped with a self-closing, self-latching device with a release mechanism located at least 54 inches above the floor.

According to Florida statutes, failure to comply with these requirements is a misdemeanor of the second degree, punishable by imprisonment for up to 60 days or a fine of up to \$500, except that no penalty shall be imposed if within 45 days after arrest or issuance of a summons or notice to appear, the pool is equipped with the aforementioned safety features and the responsible person attends a drowning prevention education program developed by the Florida Department of Health. I also understand that there are several inspections required in addition to a final inspection for my swimming pool.

[Signature] 8/27/08
Owner Signature / Date

Address: 195 SW Lucille Court Lake City, FL 32024

Sandra Kessell 8/29/08
Contractor Signature / Date

CPC 1457543
License Number

THIS INSTRUMENT WAS PREPARED BY:

TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

Recording Fee \$ 15.50
Documentary Stamp \$ 445.00

RETURN TO:

✓ TERRY McDAVID
POST OFFICE BOX 1328
LAKE CITY, FL 32056-1328

File No. 08-20

Property Appraiser's
Parcel Identification No.
02168-110

Inst:200812001746 Date:1/29/2008 Time:8:53 AM
Doc Stamp-Deed:665.00
19 DC,P.DeWitt Cason,Columbia County Page 1 of 2

WARRANTY DEED

THIS INDENTURE, made this 28th day of January 2008, BETWEEN JAMES A. LYTTE and his wife, JUANA JO LYTTE, whose post office address is 366 SW Edgewood Ln, Lake City, Florida 32025, of the County of Columbia, State of Florida, grantor*, and JOHN A. DEARDORFF and his wife, KAREN L. DEARDORFF, whose post office address is 1707 SW 27th Place, Ocala, FL 34471, grantee*.

WITNESSETH: that said grantor, for and in consideration of the sum of Ten Dollars (\$10.00), and other good and valuable considerations to said grantor in hand paid by said grantee, the receipt whereof is hereby acknowledged, has granted, bargained and sold to the said grantee, and grantee's heirs and assigns forever, the following described land, situate, lying and being in Columbia County, Florida, to-wit:

Lot 10, BLACKBERRY FARMS SUBDIVISION, a subdivision according to the plat thereof recorded in PRRD Book 1, Pages 4-12, Public Records of Columbia County, Florida.

SUBJECT TO: Restrictions, easements and outstanding mineral rights of record, if any, and taxes for the current year.

and said grantor does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

*"Grantor" and "grantee" are used for singular or plural, as context requires.

IN WITNESS WHEREOF, grantor has hereunto set grantor's hand and seal the day and year first above written.

Signed, sealed and delivered
in our presence:

DeEtte F. Brown
(First Witness)
DeEtte F. Brown
Printed Name

James A. Lytte (SEAL)
JAMES A. LYTTE

Myrtle Ann McElroy
(Second Witness)
Myrtle Ann McElroy
Printed Name

Juana Jo Lytte (SEAL)
JUANA JO LYTTE

STATE OF FLORIDA
COUNTY OF COLUMBIA

The foregoing instrument was acknowledged before me this 28th
day of January 2008, by JAMES A. LYTTE and his wife, JUANA JO
LYTTE, who are personally known to me or who have produced
_____ as identification and who did not take an oath.

My Commission Expires:

DeEtte F. Brown
Notary Public
Printed, typed, or stamped name:



**STATE OF FLORIDA**

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

(850) 487-1395

KESSEL, SANDRA
CRYSTAL KOOL POOLS INC
2300 SE 51ST AVE
OCALA FL 34480

Congratulations! With this license you become one of the nearly one million Floridians licensed by the Department of Business and Professional Regulation. Our professionals and businesses range from architects to yacht brokers, from boxers to barbeque restaurants, and they keep Florida's economy strong.

Every day we work to improve the way we do business in order to serve you better. For information about our services, please log onto www.myfloridalicense.com. There you can find more information about our divisions and the regulations that impact you, subscribe to department newsletters and learn more about the Department's initiatives.

Our mission at the Department is: License Efficiently, Regulate Fairly. We constantly strive to serve you better so that you can serve your customers. Thank you for doing business in Florida, and congratulations on your new license!

DETACH HERE

AC# 3821500

STATE OF FLORIDADEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L08061801165

DATE	BATCH NUMBER	LICENSE NBR
06/18/2008	070524775	CPC1457543

The COMMERCIAL POOL/SPA CONTRACTOR
Named below IS CERTIFIED
Under the provisions of Chapter 489 FS.
Expiration date: AUG 31, 2010

KESSEL, SANDRA
CRYSTAL KOOL POOLS INC
2300 SE 51ST AVE
OCALA FL 34480CHARLIE CRIST
GOVERNORCHUCK DRAGO
INTERIM SECRETARY

DISPLAY AS REQUIRED BY LAW

**STATE OF FLORIDA**

DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION

CONSTRUCTION INDUSTRY LICENSING BOARD
1940 NORTH MONROE STREET
TALLAHASSEE FL 32399-0783

(850) 487-1395

CRYSTAL KOOL POOLS INC
1147 NE 17TH RD
OCALA FL 34470

DETACH HERE

AC# 3467126

STATE OF FLORIDADEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

SEQ# L07100205223

DATE	BATCH NUMBER	LICENSE NBR
10/02/2007	070149151	QB37755

The BUSINESS ORGANIZATION

Named below IS QUALIFIED

Under the provisions of Chapter 489 FS.

Expiration date: AUG 31, 2009

(THIS IS NOT A LICENSE TO PERFORM WORK. THIS ALLOWS
COMPANY TO DO BUSINESS ONLY IF IT HAS A QUALIFIER.)CRYSTAL KOOL POOLS INC
1147 NE 17TH RD
OCALA FL 34470CHARLIE CRIST
GOVERNOR

DISPLAY AS REQUIRED BY LAW

HOLLY BENSON
SECRETARY



27321

Inst:200812016560 Date:9/8/2008 Time:10:38 AM

19 DC,P.DeWitt Cason,Columbia County Page 1 of 1 B:1158 P:5

NOTICE OF COMMENCEMENT

County Clerk's Office Stamp or Seal

Tax Parcel Identification Number 17-38-16-02168-110

THE UNDERSIGNED hereby gives notice that improvements will be made to certain real property, and in accordance with Section 713.13 of the Florida Statutes, the following information is provided in this NOTICE OF COMMENCEMENT.

1. Description of property (legal description): Lot 10 Blackberry Farms Subdivision
 a) Street (job) Address: 861 NW Blackberry Circle Lake City, FL 32055
2. General description of improvements: inground concrete swimming pool
3. Owner Information
 a) Name and address: John + Karen Deardorff
 b) Name and address of fee simple titleholder (if other than owner) N/A
 c) Interest in property owner
4. Contractor Information
 a) Name and address: Crystal Kool Pools, Inc. 1147 NE 17th Rd Ocala, FL 34470
 b) Telephone No.: 352-694-4019 Fax No. (Opt.) 352-629-7699
5. Surety Information
 a) Name and address: N/A
 b) Amount of Bond: _____
 c) Telephone No.: _____ Fax No. (Opt.) _____
6. Lender
 a) Name and address: N/A
 b) Phone No. _____
7. Identity of person within the State of Florida designated by owner upon whom notices or other documents may be served:
 a) Name and address: N/A
 b) Telephone No.: _____ Fax No. (Opt.) _____
8. In addition to himself, owner designates the following person to receive a copy of the Lienor's Notice as provided in Section 713.13(l)(b), Florida Statutes:
 a) Name and address: N/A
 b) Telephone No.: _____ Fax No. (Opt.) _____
9. Expiration date of Notice of Commencement (the expiration date is one year from the date of recording unless a different date is specified): _____

WARNING TO OWNER: ANY PAYMENTS MADE BY THE OWNER AFTER THE EXPIRATION OF THE NOTICE OF COMMENCEMENT ARE CONSIDERED IMPROPER PAYMENTS UNDER CHAPTER 713, PART I, SECTION 713.13, FLORIDA STATUTES, AND CAN RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY; A NOTICE OF COMMENCEMENT MUST BE RECORDED AND POSTED ON THE JOB SITE BEFORE THE FIRST INSPECTION. IF YOU INTEND TO OBTAIN FINANCING, CONSULT YOUR LENDER OR AN ATTORNEY BEFORE COMMENCING WORK OR RECORDING YOUR NOTICE OF COMMENCEMENT.

STATE OF FLORIDA
 COUNTY OF COLUMBIA

10. [Signature]
 Signature of Owner or Owner's Authorized Office/Director/Partner/Manager

Print Name

The foregoing instrument was acknowledged before me, a Florida Notary, this 8th day of September, 2008, by:
John Deardorff as owner (type of authority, e.g. officer, trustee, attorney
 fact) for owner (name of party on behalf of whom instrument was executed).

Personally Known X OR Produced Identification _____ Type _____

Notary Signature

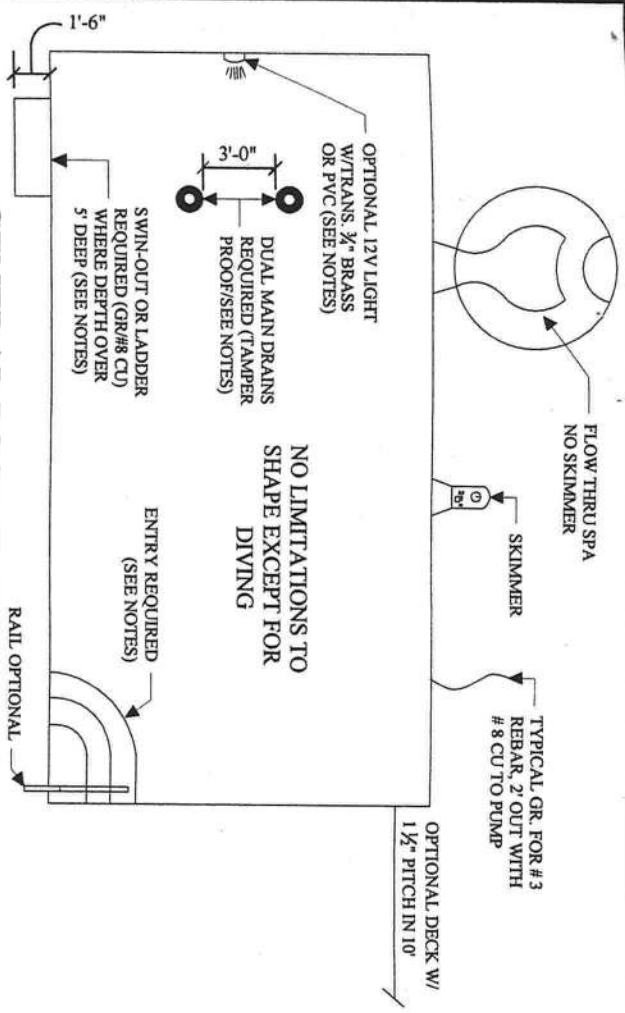
Patricia C. Kessel

Notary Stamp or Seal

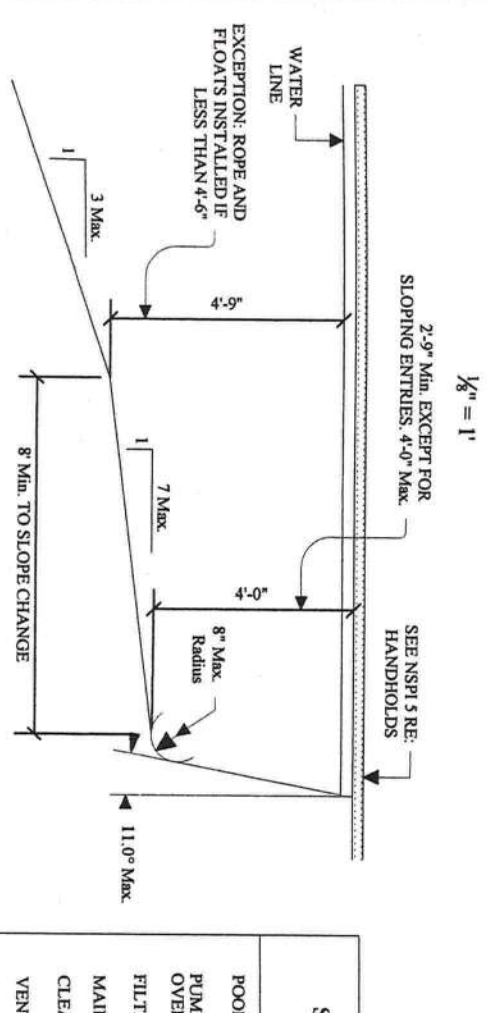


11. Verification pursuant to Section 92.525, Florida Statutes. Under penalties of perjury, I declare that I have read the foregoing and that the facts stated in it are true to the best of my knowledge and belief.

[Signature]
 Signature of Natural Person Signing (in line #10 above.)

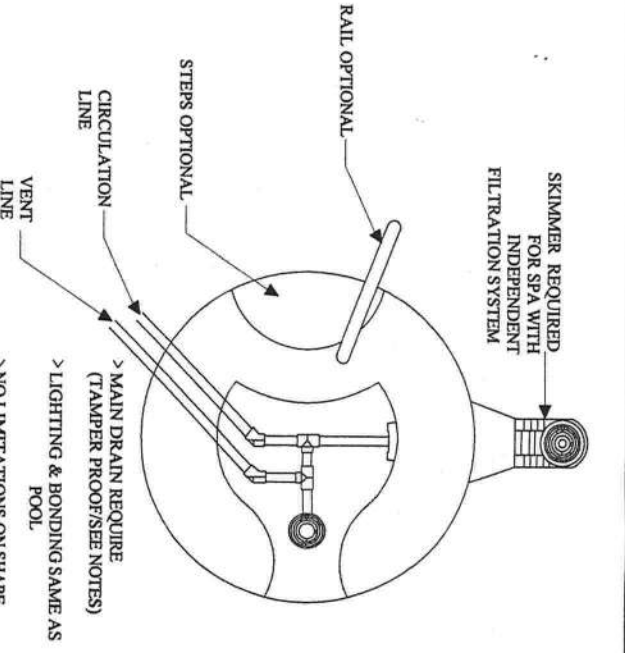
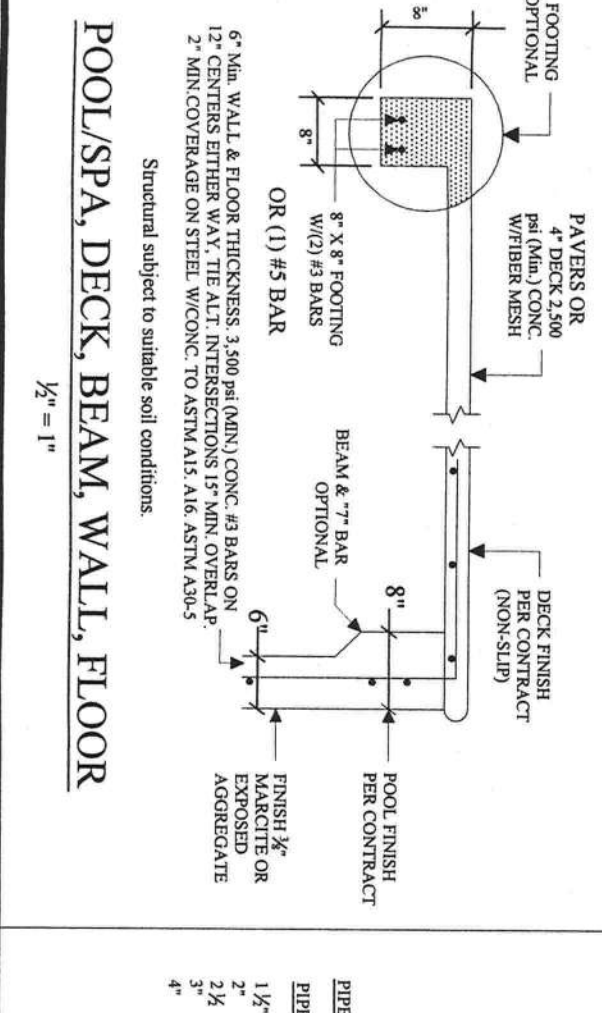


GENERAL POOL PLAN



POOL SECTION DETAIL

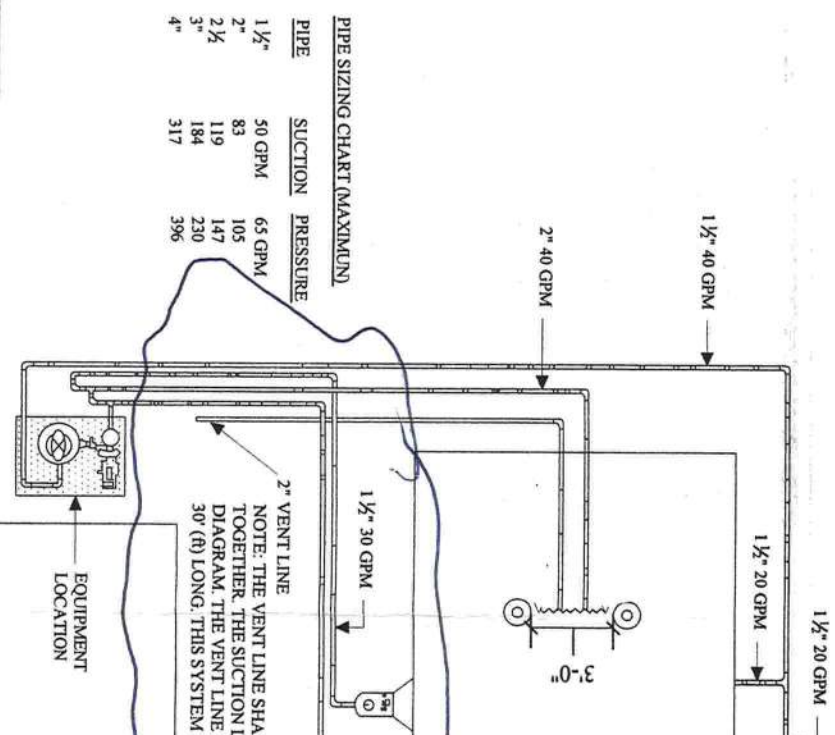
SB2836, 6-20-07
FOR BONDING AND GROUNDING SYSTEMS FOR SWIMMING POOLS, THE USE OF AN UNDERGROUND BONDING CONDUCTOR MADE OF #8 AWG. BARE SOLID COPPER WIRE BURIED TO A MINIMUM DEPTH OF 4 INCHES TO 6 INCHES BELOW SUBGRADE, AND 18 TO 24 INCHES FROM INSIDE WALL OF A SWIMMING POOL, OR SPA, IS DEEMED A PERMISSIBLE ALTERNATIVE OR EQUIVALENT TO COMPLIANCE WITH s. 680.26(c) OF THE NATIONAL ELECTRICAL CODE.



GENERAL SPA PLAN

SAMPLE ONLY. EACH APPLICATION FOR PERMIT SHALL BE BASED ON A TOTAL DYNAMIC HEAD OF 60 FT.

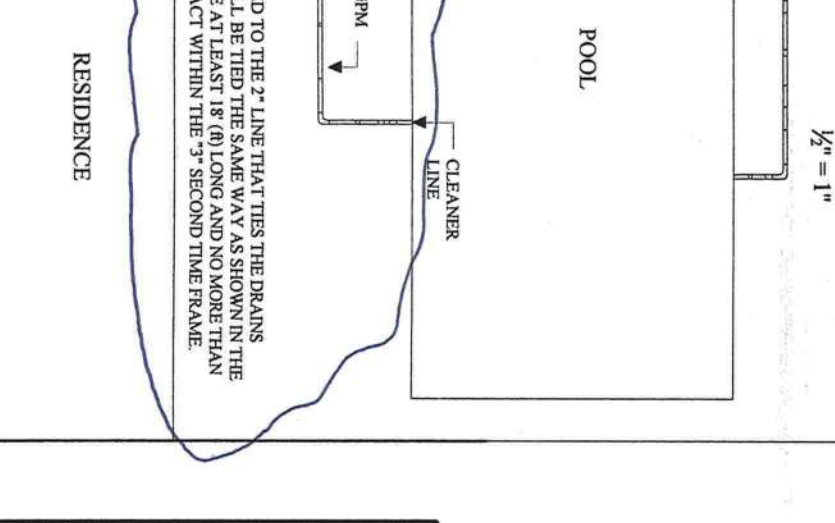
POOL VOLUME 15,000 GALS.
PUMP: STARTE PHEASD, 1/2 HP 40 GPM 60\"/>



GENERAL DESIGN REQUIREMENTS

- DESIGN, CONSTRUCTION AND WORKMANSHIP SHALL BE IN CONFORMITY WITH THE REQUIREMENTS OF ANS/NSPI 3, ANS/NSPI 4, ANS/NSPI 5, AND ANS/NSPI 6 BASED ON THE POOL TYPE. SEE NSPI FOR DIVING WATER ENVELOPES. SLIDES SHALL MEET THE MANUFACTURER'S INSTALLATION REQUIREMENTS.
- ENTRY/EXIT: REQUIRED AT THE SHALLOW END AND DEEP END IF OVER 5 FEET DEEP. ACCEPTABLE ARE STAIRS (10" MIN TREAD WITH 240 SQUARE INCH MIN. AREA, 12" MAX. RISER WITH IMMEDIATE TREADS AND RISERS UNIFORM), LADDERS, UNDERWATER SEATS, AND SWIM OUTFITS (MAX. 20" BELOW WATER).
- CIRCULATION SYSTEMS, COMPONENTS AND EQUIPMENT SHALL COMPLY WITH NSF 50.
- THE MAXIMUM TURNOVER RATE IS 12 HOURS.
- FILTERS SHALL HAVE AN AIR RELEASE AND PRESSURE GAGE.
- PUMPS 3 HP AND LESS SHALL MEET ANSI/UL 1081 CORROSION RESISTANT WITH 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 300 SQUARE FEET.
- HEATER SHALL MEET ANSI-Z21.56 OR UL 1261 OR UL 559.
- DISINFECTANT EQUIPMENT SHALL COMPLY WITH NSF 50.
- PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES OR MEET LOCAL CODE IF GREATER.

VENT DETAIL



SPECIAL SPA REQUIREMENTS:

- MAXIMUM WATER DEPTH 4', MAXIMUM SEAT DEPTH 28", MAX. FLOOR SLOPE 1:12
- STEPS: MIN. TREAD 10" X 12", 7" MIN. RISER, 12" MAX. RISER EXCEPT THE BOTTOM STEP MAY BE 14" IF IT IS THE SEAT. INTERMEDIATE TREADS AND RISERS TO BE UNIFORM. IF THE SPA IS OPERATED INTERMITTENTLY IT SHALL HAVE A ONE HOUR TURNOVER. IF CONTINUOUS A SIX HOUR TURNOVER.
- MAXIMUM TEMPERATURE 104 DEGREES.
- MEET ANS/NSPI ARTICLE XVII, SAFETY INSTRUCTION/SAFETY SIGNS.
- PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES OR MEET LOCAL CODE IF GREATER.

ELECTRICAL REQUIREMENTS:

- WIRING AND BONDING AND ALL ELECTRICAL TO COMPLY WITH CHAPTER 27, FLORIDA BUILDING CODE FBC2004, 2005 NEC.
- NO OUTLET OR OVERHEAD POWER WITHIN 10' IF WITHIN 15' PROTECT BY GFI, TRANSFORMER MIN. 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.

FLORIDA BUILDING CODE R4101

THE POOL CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL DETAIL DESIGN REQUIREMENTS FOR EACH INDIVIDUAL POOL IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, AND ALL CONSTRUCTION SHALL MEET ALL APPLICABLE CODES INCLUDING PLUMBING, ELECTRICAL AND GAS. PIPING SHALL BE SCH. 40 PVC, NSFpw, MAX. PRESSURE VELOCITY 10 FPS, SUCTION 6 TO 8 FPS. THE POOL PLAN SHALL SHOW THE DESIGN PLUMBING AS PER THE SAMPLE WITH THE INFORMATION REQUIRED SHOWN. MAIN DRAIN PLUMBING SHALL BE TWO DRAINS SEPARATED BY 3' WITH APPROVED ANS/ASME A112.19.8M COVERS. AS AN ALTERNATE THE APPROVED DRAINS MAY BE PLACED ON DIFFERENT PLANES. THE TWO DRAINS SHALL HAVE A COMMON SUCTION LINE. SUCTION GRATES MAY BE USED IF APPROVED AT A MAXIMUM OF 1 1/2 FPS AND THE SUCTION PIPING IS RECESSED FROM THE GRATE THE DISTANCE EQUAL TO THE SUCTON PIPE SIZE. IN ADDITION A SAFETY VACUUM RELEASE SYSTEM MUST BE INSTALLED. THIS MAY CONSIST OF AN AIR RELEASE SYSTEM. THE VENT PIPE SHALL BE TIED TO THE MAIN DRAIN LINES, SIZED THE SAME AS THE MAIN DRAIN SUCTION LINE, ELBOWED UP AND OVER WITH A GRATE FOR PROTECTION AND LABELED "SAFETY DEVICE". SKIMMERS DO NOT REQUIRE PROTECTION AND MUST BE DESIGNED FOR A MINIMUM 25 gpm. THE FOLLOWING SHALL BE LABELED WITH LABEL MARKER TAPE AT THE FILTER LOCATION: PIPES, VALVES, PUMP(S) OFF SWITCH.

IT HAS BEEN CERTIFIED THAT THESE DESIGN REQUIREMENTS ARE IN COMPLIANCE WITH THE FLORIDA BUILDING CODE R4101, 424.2-2004, ANS/NSPI 3, ANS/NSPI 4, ANS/NSPI 5, AND ANS/NSPI 6.

Pasco Dual drain end deep

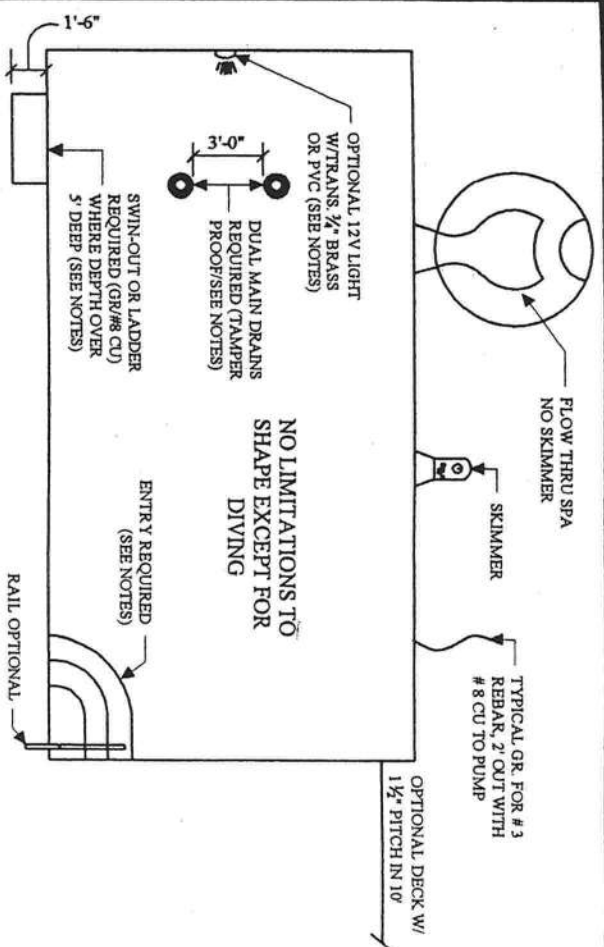
10.12.07

Standard Residential
Pool and / or Spa
Design

Gardner B. Collins, P.E.
Professional Engineer 9702 FL

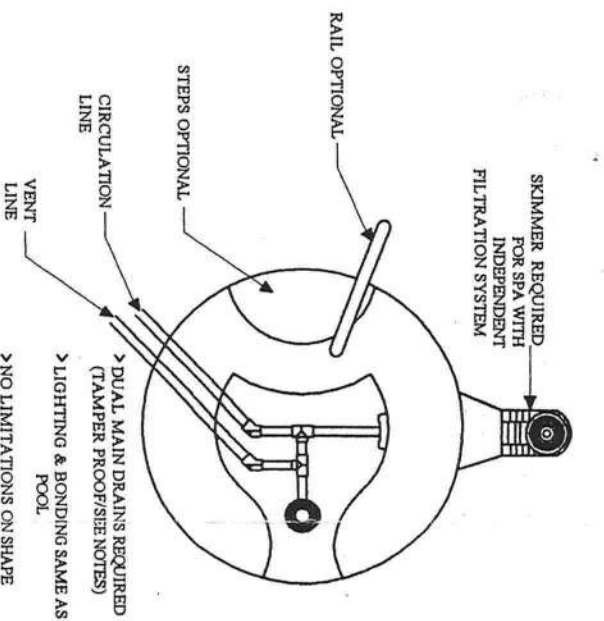
Phone: (727) 442-8443
Fax: (727) 442-6988

Crystal Kool Pools, Inc.



GENERAL POOL PLAN

1/2" = 1'



GENERAL SPA PLAN

1/4" = 1'

GENERAL DESIGN REQUIREMENTS

- DESIGN, CONSTRUCTION AND WORKMANSHIP SHALL BE IN CONFORMITY WITH THE REQUIREMENTS OF ANS/NSPI 3, ANS/NSPI 4, ANS/NSPI 5, AND ANS/NSPI 6 BASED ON THE POOL TYPE.
- SEE NSPI FOR DIVING WATER ENVELOPES.
- SLIDES SHALL MEET THE MANUFACTURER'S INSTALLATION REQUIREMENTS.
- ENTRY/EXIT: REQUIRED AT THE SHALLOW END AND DEEP END IF OVER 5 FEET DEEP. ACCEPTABLE ARE STAIRS (10" MIN. TREAD WITH 240 SQUARE INCH MIN. AREA, 12" MAX. RISER WITH INTERMEDIATE TREADS AND RISERS UNIFORM), LADDERS, UNDERWATER SEATS, AND SWIM OUTS (MAX. 20" BELOW WATER).
- CIRCULATION SYSTEMS, COMPONENTS AND EQUIPMENT SHALL COMPLY WITH NSF 50.
- THE MAXIMUM TURNOVER RATE IS 12 HOURS.
- FILTERS SHALL HAVE AN AIR RELEASE AND PRESSURE GAGE.
- PUMPS 3 HP AND LESS SHALL MEET ANS/UL 1081 CORROSION RESISTANT WITH STRANDER 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 300 SQUARE FEET.
- HEATER SHALL MEET ANSI-Z21.56 OR UL 1261 OR UL 559.
- DISINFECTANT EQUIPMENT SHALL COMPLY WITH NSF 50.
- PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES OR MEET LOCAL CODE IF GREATER.

SPECIAL SPA REQUIREMENTS:

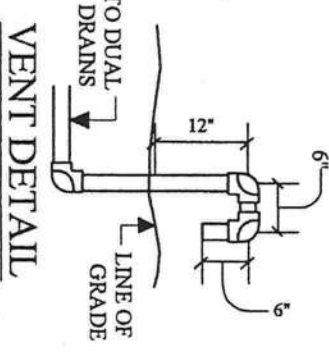
- MAXIMUM WATER DEPTH 4', MAXIMUM SEAT DEPTH 28" MAX.
- FLOOR SLOPE 1:12
- STEPS: MIN. TREAD 10" X 12", 7" MIN. RISER, 12" MAX. RISER EXCEPT THE BOTTOM STEP MAY BE 14" IF IT IS THE SEAT. INTERMEDIATE TREADS AND RISERS TO BE UNIFORM. IF THE SPA IS OPERATED INTERMITTENTLY IT SHALL HAVE A ONE HOUR TURNOVER. IF CONTINUOUS A SIX HOUR TURNOVER.
- MAXIMUM TEMPERATURE 104 DEGREES.
- MEET ANS/NSPI ARTICLE XVII, SAFETY INSTRUCTIONS/SAFETY SIGNS.
- PRESSURE TEST PIPING AT 35 PSI FOR 15 MINUTES OR MEET LOCAL CODE IF GREATER.

ELECTRICAL REQUIREMENTS:

- WIRING AND BONDING AND ALL ELECTRICAL TO COMPLY WITH CHAPTER 27, FLORIDA BUILDING CODE FBC2004 AND THE 2006 SUPPLEMENT, CHAPTER 27 ELECTRICAL, NEC SECTION 680.26(C).
- NO OUTLET OR OVERHEAD POWER WITHIN 10' IF WITHIN 15' PROTECT BY GFI, TRANSFORMER MIN. 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.

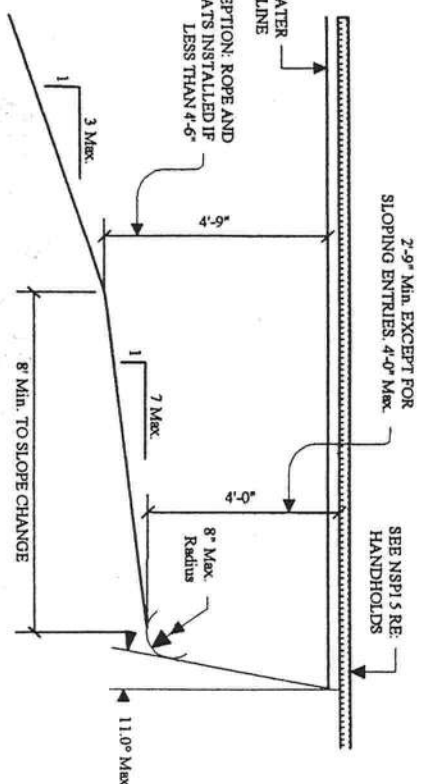
SAMPLE ONLY. EACH APPLICATION FOR PERMIT SHALL BE BASED ON A TOTAL DYNAMIC HEAD OF 60 FT.

POOL VOLUME 15,000 GALS.
PUMP: STARTE PHEASD, 1/2 HP 40 GPM 60' TURN OVER: 40 X 60 = 2400 15,000/2400 = 6.25 HOURS
FILTER: STARTE PTM 50, 50 GPM CAPACITY
MAIN DRAIN: HAYWARD SP 1035AVS
CLEANER: HAYWARD VAC LOC
VENT SCREEN: HAYWARD SP 1026



VENT DETAIL

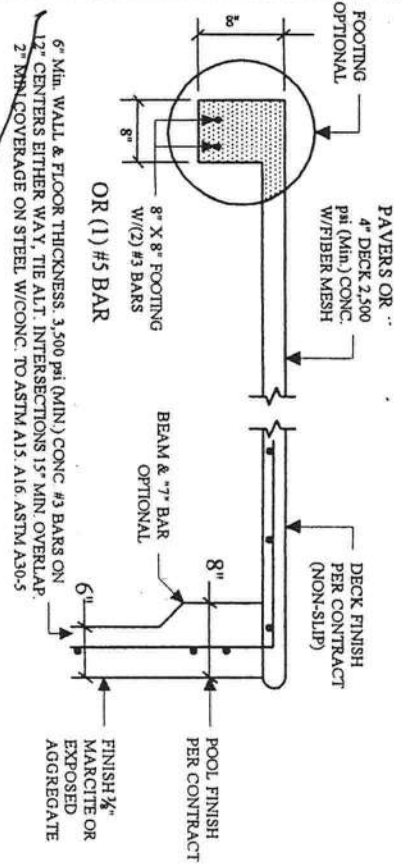
1/2" = 1'



POOL SECTION DETAIL

1/4" = 1'

#3 BAR 12" x 12" BONDING GRID SHALL EXTEND 3' BACK FROM INSIDE WALL. THE GRID DOES NOT NECESSARILY HAVE TO BE INTEGRAL WITH THE POOL REINFORCING. SEE ELECTRICAL REQUIREMENTS, THIS SHEET.



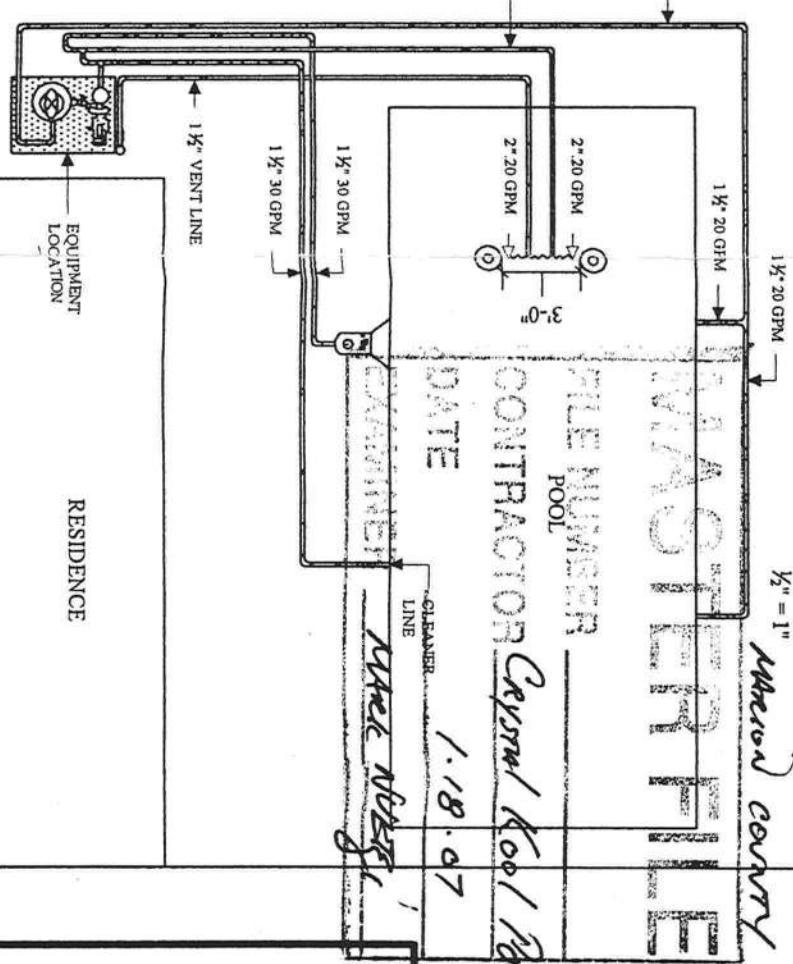
Structural subject to suitable soil conditions.

POOL/SPA, DECK, BEAM, WALL, FLOOR

1/2" = 1'

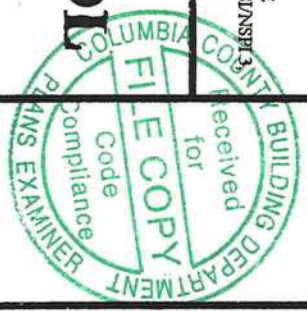
PIPE SIZING CHART (MAXIMUM)

PIPE	SUCTION	PRESSURE
1 1/2"	50 GPM	65 GPM
2"	83	105
2 1/2"	119	147
3"	184	230
4"	317	396



FILE NUMBER
POOL
CONTRACTOR Crystal Kool Pool
DATE 1.18.07
Mark Webb

CRYSTAL KOOL POOLS, INC.



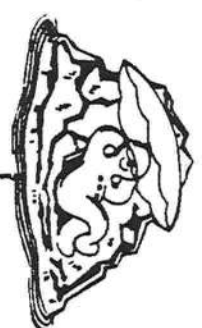
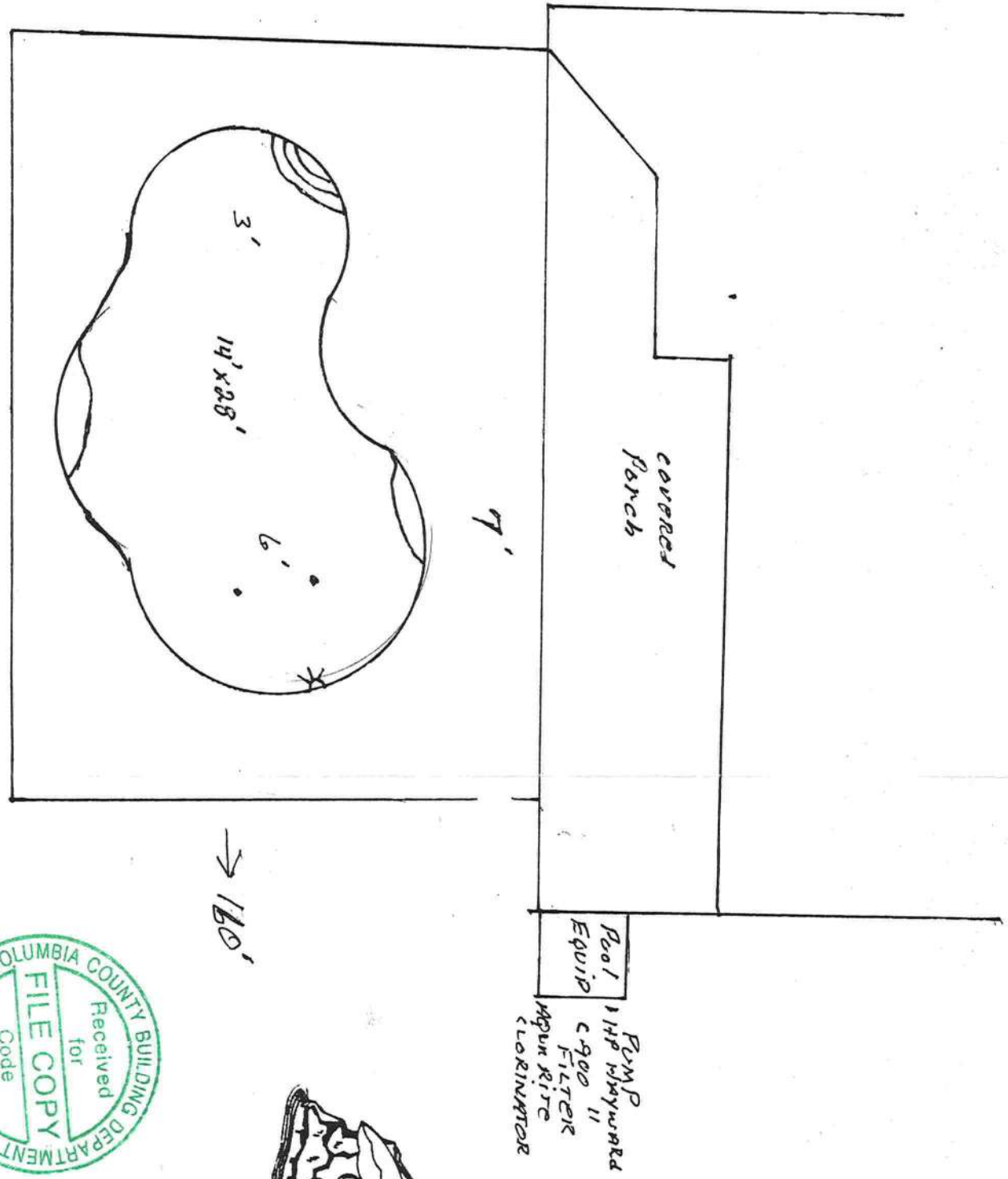
Standard Residential
Pool and / or Spa
Design

Gardner B. Collins, P.E.
Professional Engineer 9702 FL
Phone: (727) 442-8443
Fax: (727) 442-6988

DIRECTIONS
175 North take exit 427(us90)
t/L onto us90 t/r on Brown
Road t/r on Nash Rd
t/L into Blackberry Farms
861 NW Blackberry Circle
is in the back of Subdiv.

SCREEN ENCLOSURE

COLOR _____ ROOF STYLE _____ DOORS _____
CHAIR RAIL _____ KICKPLATE _____ ROOF _____
GUTTER _____
OTHER _____



POOL TYPE concrete FILL DIR 1 3' x 14'
POOL SHAPE free form SIZE 14' x 28'
S.F. 14' L.F. 3' DEPTH 3' TO 6'
COPING cantilever
TILE 6"
DECKING 24' X 38' S.F. _____
DRAINS _____
DECK TYPE _____ COLOR _____
PUMP 1 HP FILTER eqo GALLONS _____
STEPS yes RAILS no LADDER no SWIMOUT yes
UNDERWATER LIGHT yes 12v. VOLTS _____ WATTS _____
TEST KIT yes BRUSH & POLE yes
VACCUUM yes HOSE yes
SKIMMER yes INLET FITTING 5
FENCE REMOVAL no FENCE INSTALL no
REMOVE TREE no REMOVE STUMPS OR PLANTS no
AUTO POOL CLEANER yes AUTO CHLORINATOR swt
TIME CLOCK yes SPRINKLER no
CHEMICALS start up CLEAN UP yes
WASTE WATER no ACCESS APPROVAL yes
THERAPY JETS no WATERFALL no
HEATER TYPE no HEATER SIZE no
ELEVATION 24' + 2" POOL COVER no
INTERIOR FINISH _____ COLOR _____
AUTO FINISH _____ REMOTE CONTROL _____
GUNIT SPA _____ SPILLWAY SPA _____ SPA SIZE _____
FIBERGLASS SPA MODEL no COLOR _____
EQUIPMENT _____
OTHER 2 - DECK SPITCIE
*LANDSCAPE, GAS LINE, AND GAS HOOKUP NOT INCLUDED

Crystal Kool Pools, Inc.
1147 NE 17TH RD
Ocala FL 34470
OFFICE- 352-694-4019 FAX 352-629-7699
OWNER: RON KESSEL LICENSE # CPC 057176
NAME John Doreff
ADDRESS 861 NW Blackberry Circle
CITY Lake city PHONE 425-5604
SUBDIVISION Blackberry farms lot 10 BLK _____
CUSTOMER'S SIGNATURE _____