



Township Archives
Township of Brick, NJ
401 Chambers Bridge Rd, Brick, NJ 08723

This File Contains Personal Financial and
Identifiable Information of Private Citizen(s).

***Public Release of this File is prohibited except
for Official Government Business and/or
pursuant to Court Order.***

This File is Exempt from release under the Open Public Records Act (OPRA) (Public Law 2001, CHAPTER 404 (N.J.S.A. 47:1A-1 et seq.)) as set forth in Executive Order Number 26 issued by Governor James E. McGreevey, August 13, 2002 which exempts the following types of information from release under the OPRA Law:

- Information in a personal income or other tax return
- Information describing a natural person's finances, income, assets, liabilities, net worth, bank balances, financial history or activities, or creditworthiness, except as otherwise required by law to be disclosed.

A handwritten signature in black ink, appearing to read "Bryan J. Dickerson".

Bryan J. Dickerson, CA, CMR
Township Archivist

BLOCK 1033.03 LOT 23 QUALIFICATION CODE _____ ADDRESS (SITE) 86 Oak Knoll Dr PERMIT NO. 19-1421



CONSTRUCTION PERMIT APPLICATION

0-19-001415

Applicant Completes: Sections I, II, III (optional), IV, VI, and VII

I. IDENTIFICATION

1. Proposed Work Site at: 86 Oak Knoll Dr. Brick

2. Name of Owner in Fee: Indy Gahr

Tel. [REDACTED] e-mail [REDACTED]

Address 86 Oak Knoll Dr. Brick 08724

3. Ownership in Fee: Public _____ Private _____

4. Principal Contractor: Pool and Spa Doctor LLC Tel. (732) 681-0532

Address 1714 Highway 35 Wall NJ 07719 e-mail contact@thepoolandspadoc.com

License No. OR, if new home, Builder Reg. No. 13VH01117900 Exp. Date _____

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. 223505910 FAX: (732) 681-0543

5. Architect or Engineer Jensen Design Contact Bill Jensen

Address 2150 Rt 35 Sea Girt e-mail _____

Tel. (732) 256-9358 FAX: ()

6. Responsible Person in Charge once Work has Begun Phil Della Pietra/Michele Struble

Tel. (732) 681-0532 FAX: (732) 681-0543

732 803-0234

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	\$ <u>354</u>	☒	
2. Electrical	\$ <u>150</u>	☒	
3. Plumbing	\$ <u>150</u>	☒	
4. Fire Protection			
5. Elevator Devices			
6. Subtotal	<u>mean</u> <u>185</u>		
7. Less 20% for State Plan Review	\$ _____		
8. Subtotal	\$ <u>244</u>		
9. State Permit Surcharge Fee	\$ <u>50</u>		
10. Subtotal	\$ <u>294</u>		
11. Cert. of Occupancy	<u>Eng</u> <u>200</u>		
12. Other			
13. TOTAL	\$ <u>1073</u>		

VI. BUILDING/SITE CHARACTERISTICS

	(office use only)
1. Number of Stories	_____
2. Height of Structure	_____ ft.
3. Area — Largest Floor	_____ sq. ft.
4. New Building Area	_____ sq. ft.
5. Volume of New Structure	_____ cu. ft.
6. Max. Live Load	_____
7. Max. Occupancy Load	_____
8. If Industrialized Building: State Approved _____ HUD _____	
9. Total Land Area Disturbed	_____ sq. ft.
10. Flood Hazard Zone	_____
11. Base Flood Elevation	_____ ft.
12. Wetlands yes _____ no _____	

IIa. PROPOSED WORK

- ☐ Minor Work ☒ New Building ☐ Addition ☐ Demolition
- ☐ Repair ☐ Alteration ☐ Renovation ☐ Reconstruction
- ☐ Asbestos Abat. -Subch. 8 ☐ Lead Hazard Abatement ☐ Radon Remediation ☐ Annual Permit

IIb. SUBCODES

(Check all that apply)

- ☒ Building
- ☒ Electrical
- ☒ Plumbing
- ☒ Mechanical
- ☒ Fire Protection
- ☐ Elevator

FOR OFFICE USE ONLY (Optional)

Est. Cost	Plans Rec'd by	Date Rec'd	Rejection Date	Approval Date	Re-viewer	Resubmission Dates Approval	Rejection	Re-viewer
<u>17500</u>	<u>MFF</u>	<u>4/18/19</u>		<u>6.3.19</u>	<u>[Signature]</u>			
<u>1200</u>			<u>5/29/19</u>		<u>PSC</u>	<u>6/5/19</u>		<u>RE</u>
<u>1000</u>				<u>5/13/19</u>	<u>[Signature]</u>			
<u>1500</u>								
	<u>Eng 5/10/19</u>			<u>5/10/19</u>	<u>ECC</u>			

TOTAL COST 21,200

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL (primary use)

1. State Specific Use: _____
2. Use Group, Proposed: _____
3. Change in Use Group, Indicate Present: _____
4. No. of dwelling units: Total Units Income-restricted
- | | |
|----------------|-------|
| Gained, Sale | _____ |
| Gained, Rental | _____ |
| Lost, Sale | _____ |
| Lost, Rental | _____ |

B. NON-RESIDENTIAL (primary use)

1. State Specific Use: _____
2. Use Group, Proposed: _____
3. Change in Use Group, Indicate Present: _____
- C. MIXED USE -List secondary use(s): _____
- D. Construct. Classification: Present _____ Proposed _____

III. PLAN REVIEW (optional)

DO YOU WANT:

1. ☐ Partial Releases
2. ☐ Prototype Processing

IV. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

1. ☐ Elevators/Escalators/Lifts/ Dumbwaiters/Moving Walks
2. ☐ High Pressure Boilers
3. ☐ Pressure Vessels
4. ☐ Refrigeration Systems
5. ☐ Cross-Connections/Backflow Preventers
6. ☐ Hazardous Uses/Places of Assembly
7. ☐ Sprinklers/Standpipes
8. ☐ Smoke Control Systems in Open Wells
9. ☐ Underground Storage Tanks
10. ☒ Swimming Pools, Spas and Hot Tubs
11. ☐ LP Gas Tanks
12. ☐ Fire Alarm

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

- A. ☐ I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

- B. ☐ I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(f)1.ix:

I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

- C. ☐ I further certify that I will perform or supervise the following work:

C.1. ☐ Building C.2. ☐ Fire Protection

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

- D. ☐ I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature _____ Date _____

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

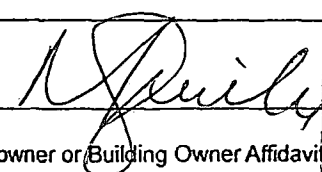
☐ Check if contractor.

Agent Name Michele Struble The Pool & Spa Doctor

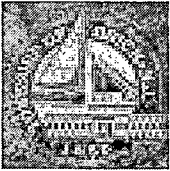
Address 1714 Hwy 35

Wall NJ 07719

Telephone (732) 681-0532

Signature 

III. ☐ LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:17.



Brick Township
401 Chambersbridge Rd
Brick, NJ 08723

Date Issued 10/02/2020
Control Number C-19-001415
Permit Number 19-1421
Permit Issue Date 06/05/2019
Certificate Number 19-1421

Certificate
Construction Code Division
(Certificate of Approval)

Identification

Work Site Location: 86 OAK KNOLL DR. Brick Township, NJ Block: 1033.03 Lot: 23 Qual: _____
Owner in Fee: GAHR, JUDITH A
Owner Address: 86 OAK KNOLL DRIVE BRICK NJ 08724
Telephone: _____
Contractor POOL & SPA DR LLC
Address 1714 ROUTE 35 WALL NJ 07719
Telephone: (732) 681-0532 Fax: (732) 681-0543 Federal Emp. Number: 223-505-910
License Number or Builders Registration Number: _____

Home Warranty Number: _____ Type of Warranty Plan: ☐ State ☐ Private

Use Group: U Construction Classification: _____

Maximum Live Load: 0 Maximum Occupancy Load: 0

Description of Work/Use: FENCE, INGROUND SWIMMING POOL

Certificate Comments:

☐ **Certificate of Occupancy**

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☒ **Certificate of Approval**

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ **Certificate of Continued Occupancy**

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ **Temporary Certificate of Compliance**

The following conditions must be met no later than or the owner will be subject to fine or order to vacate:

This certificate has an expiration date of:

Conditions to be met:

☐ **Certificate of Clearance - Lead Abatement 5:17**

This serves notice that based on written certification, lead abatement was performed as per NJAC5:17 to the following extent.

☐ Total removal of lead-based paint hazards in scope of work

☐ Partial or limited time period (years); see file

☐ **Certificate of Clearance - Asbestos Abatement**

This serves notice that based on written certification, asbestos abatement was performed to the following extent.

☐ Total removal of asbestos hazards in scope of work

☐ Partial or limited time period (years); see file

☐ **Certificate of Compliance**

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until

☐ **Temporary Certificate of Occupancy**

The following conditions must be met no later than: or the owner will be subject to fine or order to vacate:

This certificate has an expiration date of:

Conditions to be met:

Daniel Newman Jr.

Construction Official

Date Printed: 10/02/2020

U.C.C. F260 (rev. 08/05)

Fee: \$0.00

Check Number: _____

Collected By: _____

In Ground Pool

Finals Necessary for CA

[print](#)
[reset defaults](#)
[check all](#)
[complete](#)**Checklist for IG Pools****In Ground Pools**

Final Building	comment	☒	☐
Final Electrical	comment	☒	☐
Final Plumbing	comment	☒	☐
Final Mechanical (If Applicable)	comment	☒	☐
Final Engineering	comment	☒	☐
in engineering Passed 9/30/2020 rec'd in bldg. 10/2/2020 MFF			
Affordable Housing	comment	☐	☒

This checklist has been given to: [\(edit\)](#)

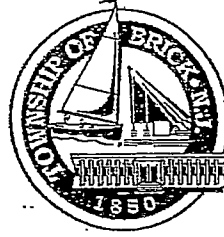
TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY
401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723

John G. Ducey, Mayor

Township Council:

Andrea Zapcic - President
Lisa Crate - Vice President
Heather deJong
Jim Fozman
Arthur Halloran
Paul Mummolo
Marianna Pontoriero



Division of Engineering

Elissa C. Commins, PE, PP, CME, CPWM, CFM
Township Engineer & Floodplain Manager
ecommins@twp.brick.nj.us

732-262-1040
Fax: 732-262-2941
www.twp.brick.nj.us

INGROUND POOL INSPECTION FORM

NAME: JUDY GAHR
ADDRESS: 86 OAK KNOLL DR.
CITY: BRICK
STATE: NJ ZIP CODE: 08724
PHONE NUMBER: [REDACTED]
BLOCK: 1033.03 LOT: 23

CONTRACTOR: POOL & SPA DR LLC
ADDRESS: 1714 RT. 35
CITY: WALL
STATE: NJ ZIP CODE: 07719
PHONE NUMBER: (732) 681-0532
STATE LICENSE NUMBER: 13VH0117900

TYPE OF INSPECTION	APPROVED	REJECTED	EXPLANATION
POOL LOCATION:	☒		
POOL ELEVATION:	☒		
CONCRETE WALKWAY:	☒		
CONSTRUCTION ENTRANCE:	☒		
(A) CONCRETE CURB:	☒		
(B) CONCRETE SIDEWALK:	<u>N/A</u>		
(C) ROAD PAVEMENT:	☒		
RETAINING WALL:	<u>N/A</u>		
BULKHEAD:	<u>N/A</u>		
LANDSCAPE BERM:	☒		
BACKWASH HOSE:	☒		
GRADING:	☒		
SOIL STABILIZATION:	☒		
ASBUILT REQUIRED:	<u>YES</u>	<u>NO</u>	
CLEAN UP:	☒		
SAFETY:	☒		

ENGINEER REVIEW BY: Elissa C. Commins

DATE: 10/1/2020

INSPECTORS NAME: GREG RIELLO

PASS

DATE: 9/30/20



www.facebook.com/BrickTwpNJGovernment



@TownshipofBrick



BUILDING SUBCODE TECHNICAL SECTION



Date Received
Control #

Date Issued
Permit #

6/5/19
19-1421

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 1033.03 Lot 23 Qualification Code _____

Work Site Location 86 Oak Knoll Dr.

Brick NJ 08724

Owner in Fee: LINDY GAHR

e-mail _____

Address 86 Oak Knoll Dr. Brick 08724

Contractor: The Pool and Spa Doctor LLC Tel. (732) 681-0532

Address 1714 Hwy 35 e-mail contact@thepoolandspador.com

Wall NJ 07719

Contractor License No. or Builder Registration No. 13VH0117900 Exp. Date 03/20

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. 223505910 FAX: 732-681-0543

JOB SUMMARY (Office Use Only)		PLAN REVIEW		INSPECTIONS		Dates (Month/Day)	
	Date	Initial	Type	Failure	Failure	Approval	Initial
☐ No Plans Required							
☒ All	<u>6-3-19</u>	<u>[Signature]</u>	Footings	<u>for collar</u>		<u>6-18-19</u>	<u>[Signature]</u>
☐ Footings/Foundations			Footings	<u>Bonding Post collar</u>		<u>6-18-19</u>	<u>[Signature]</u>
☐ Structural/Framework			Foundation				
☐ Exterior			Slab				
☐ Interior			Frame				
Joint Plan Review Required:			Truss Sys./Bracing				
☐ Elec. ☐ Plumb. ☐ Fire ☐ Elevator			Barrier-Free				
SUBCODE APPROVAL for PERMIT			Insulation				
Date: <u>6-3-19</u>			Finishes -Base Layer				
Approved by: <u>[Signature]</u>			Finishes -Final				
SUBCODE APPROVAL for CERTIFICATE			Energy				
☐ CO ☐ CCO ☐ CA			Mechanical				
Date: <u>09/01/20</u>			TCO				
Approved by: <u>[Signature]</u>			Other				
			Final	<u>* 10/01/19</u>		<u>8-31-20</u>	<u>[Signature]</u>
			Barrier-Free				

B. BUILDING CHARACTERISTICS

Use Group Present _____ Proposed _____ Constr. Class Present _____ Proposed _____

No. of Stories _____ If Industrialized Building: _____

Height of Structure _____ ft. State Approved _____ HUD _____

Area — Largest Floor _____ sq. ft. Est. Cost of Bldg. Work:

New Bldg. Area/All Floors _____ sq. ft. 1. New Bldg. \$ 17,500

Volume of New Structure _____ cu. ft. 2. Rehabilitation \$ 2075

Max. Live Load _____ 3. Total (1+ 2) \$ 19,575

Max. Occupancy Load _____

U.C.C. F110 (rev. 11/09)

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the agent of owner of record and am authorized to make this application.

Sign here: [Signature]

Print name here: Michele Struble

TECHNICAL SITE DATA

DESCRIPTION OF WORK

Installation of a 10'x20'
Inground pool

[Signature]

TYPE OF WORK:

- ☐ New Building
- ☐ Addition
- ☐ Rehabilitation
- ☐ Roofing
- ☐ Siding
- ☒ Fence _____ Height (exceeds 6')
- ☐ Sign _____ Sq. Ft.
- ☒ Pool
- ☐ Retaining Wall _____ Sq. Ft.
- ☐ Asbestos Abatement Subchapter 8
- ☐ Lead Haz. Abatement NJAC 5:17
- ☐ Radon Remediation
- ☐ Other _____
- ☐ Demolition

FEE (Office Use Only)

\$ _____

Administrative Surcharge \$ _____

Minimum Fee \$ _____

State Permit Surcharge Fee \$ _____

TOTAL FEE \$ _____

1. White = Inspector 2. Canary = Office Copy 3. Pink = Office Copy 4. Gold = Applicant Copy

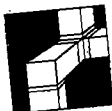
* 10/01/19, FINAL INSP/N-Reg.

1. Access Gate did not self-close/latch.
2. Both old fences believed to belong to Neighbor's

NOT POOL-BARRIER COMPLIANT

* 8.31.20 Pool final enclosed Pool area JS

Map
B



NEW JERSEY
MINI ORN CONSTRUCTION
CODE

TECHNICAL SECTION

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION: WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Lot 23 Qualification Code _____

1333 03 Brick

A. IDENTIFICATION—APPLICANT: COMM. CALL UTILITY DIG NO: 1-800-211-1234
CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-211-1234
Block 1033.03 Lot 23 Qualification Code _____
Work Site Location 86 Oak Knoll Dr. Brick

OW [redacted] e-mail [redacted] [redacted]

OW [redacted] e-mail [redacted]
Tel. [redacted]
Address 86 Oak Knoll Dr. Brick zip code [redacted]
municipality Tel. (732) 897-8300

Contractor: **IRONS Heating & Cooling** e-mail _____
Address **3500 Sunset Ave.** Exp. Date _____

Contractor License No. or Identification No. 00000000000000000000
 Contractor Registration No. or Exemption Reason (if applicable):
 Master Lic. # 19HC00570500
 FAX: (732) 897-8313

Contractor License No. or **0000000000** No. _____
Master Lic. # 19HC00570500
 Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____
 Federal Emp. ID No. **70384123** FAX: (**732**) **897-8311**
 (R-1, R-2, R-3, R-4 or R-5 (circle one))

B. MECHANICAL CHARACTERISTICS

Federal Emp. ID No. 10-3-11

B. MECHANICAL CHARACTERISTICS

Use Group: Present: R-3, R-4 or R-5 (circle one) Proposed: ☒ R-3, R-4 or R-5 (circle one)

Heating System work: [] New OR [] Modification to Existing OR [] Conversion OR [] Replacement

[] Hot Air [] Other

Heating System work: [] Type: [] Hydronic [] Hot Air
Fuel Type: [x] Gas [] Oil [] Electric [] Solar [] Other _____
Estimated Cost of Mechanical Work \$ 1500

Fuel Type: ☒ Gas ☐ Oil

Estimated Cost of Mechanical Work \$ 1500

JOB SUMMARY (Office Use Only)

PLAN REVIEW
[] No Plans Required
[] Mechanical Plans Approved

Date: _____ Approved by: _____

Joint Plan Review Required:
[] Bldg. [] Elec. [] Plumb. [] Fire.
[] Elev.

SUBCODE APPROVAL FOR PERMIT
Date: 5-8-19
Approved by: [Signature]

SUBCODE APPROVAL FOR CERTIFICATE
[X] CA [] CCO
Date: 10-29-19
Approved by: [Signature]

INSPECTIONS
Type:

	Failure	Approval	Initial
Gas Piping	<u>6-7-19</u>	<u>6-24-19</u>	<u>WJH</u>
Appliance	_____	_____	_____
Chimney/Vent	_____	_____	_____
Oil Piping	_____	_____	_____
Oil Tank	_____	_____	_____
LPG Tank	_____	_____	_____
Hydronic Piping	_____	_____	_____
Fireplace	_____	_____	_____
Chimney Cert.	_____	_____	_____
Other	<u>Final 10-1-19</u>	<u>10-22-19 WJH</u>	<u>WJH</u>

C. CERTIFICATION IN LIEU OF OATH

C. CERTIFICATION IN LIEU OF OATH
I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

Sign here:

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK

DESCRIPTION OF WORK	QTY	UNIT	PRICE	TOTAL
Installation of 200,000 BTU Heater w/ 1 1/4 pipe @ 120'				

NO.

FIXTURE/EQUIPMENT

- Water Heater
- Fuel Oil Piping Connections
- Gas Piping Connections
- Steam Boiler
- Hot Water Boiler
- Hot Air Furnace
- Oil Tank
- LPG Tank
- Fireplace
- Other pool heaters

FEE (Office Use Only)
\$ /

Administrative Surcharge \$
Minimum Fee \$
State Permit Surcharge Fee \$
TOTAL FEE \$

1 White = Inspector Copy
3 Pink = Office Copy

2 Canary = Office Copy
4 Gold = Applicant Copy

U.C.C. F145
(rev. 11/09)

6-17-19 *AT*
Not Done
10-1-19 *AB*

Heater not installed proper clearance 4' to window/1' to siding

SHOULD BE PROPERLY
VENTED TO OUTSIDE
AIR
NOT OVER THE
GARAGE



111



PLUMBING SUBCODE TECHNICAL SECTION



Date Received
Control #

6/5/19

Date Issued
Permit #

19-1421

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 1033.03 Lot 23 Qualification Code _____

Work Site Location 86 Oak Knoll Dr.

Brick NJ 08724

Owner in Fee: Judy Gahr

Te _____ e-mail _____

Address 86 Oak Knoll Dr. Brick 08724

Contractor: The Pool and Spa Doctor Tel. (732) 681-0532

Address 1714 Hwy 35 e-mail contact@thepoolandspadoc.com

Wall NJ 07719

Contractor License No. 13VH0117900 Exp. Date 03/20

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. 223505910 FAX: (732) 681-0543

B. PLUMBING CHARACTERISTICS

Use Group _____ Present _____ Proposed X

Building Sewer Size _____ Public Sewer _____ Private Septic _____

Water Service Size _____ Public Water _____ Private Well _____

Est. Cost of Plumbing Work \$ 1000

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant sign/Contractor

sign and seal here: _____

Print name here: Michele Struble

[] Licensed Plumbing Contractor [] Exempt Applicant

TECHNICAL SITE DATA

DESCRIPTION OF WORK

Installation of 2 bottom drains
pool plumbing/piping

QTY.

FIXTURE/EQUIPMENT

Water Closet
Urinal/Bidet
Bath Tub
Lavatory
Shower
Floor Drain
Sink
Dishwasher
Drinking Fountain
Washing Machine
Hose Bibb
Water Heater
Fuel Oil Piping
Gas Piping
LP Gas Tank
Steam Boiler
Hot Water Boiler
Sewer Pump
Interceptor/Separator
Backflow Preventer
Greasetrap
Sewer Connection
Water Service Connection
Stacks
Other main drains
plumbing lines

FEE (Office Use Only)

\$ _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW

[] No Plans Required
[] Partial - Underslab Utilities Approved

Date: _____ Approved by: _____

[] Plumbing Plans Approved

Date: _____ Approved by: _____

Joint Plan Review Required:

[] Bldg. [] Elec. [] Fire. [] Elev.

SUBCODE APPROVAL for PERMIT

Date: 8-20-19

Approved by: _____

SUBCODE APPROVAL for CERTIFICATE

[] CO [] CCO [] CA

Date: 10-25-19

Approved by: _____

INSPECTIONS

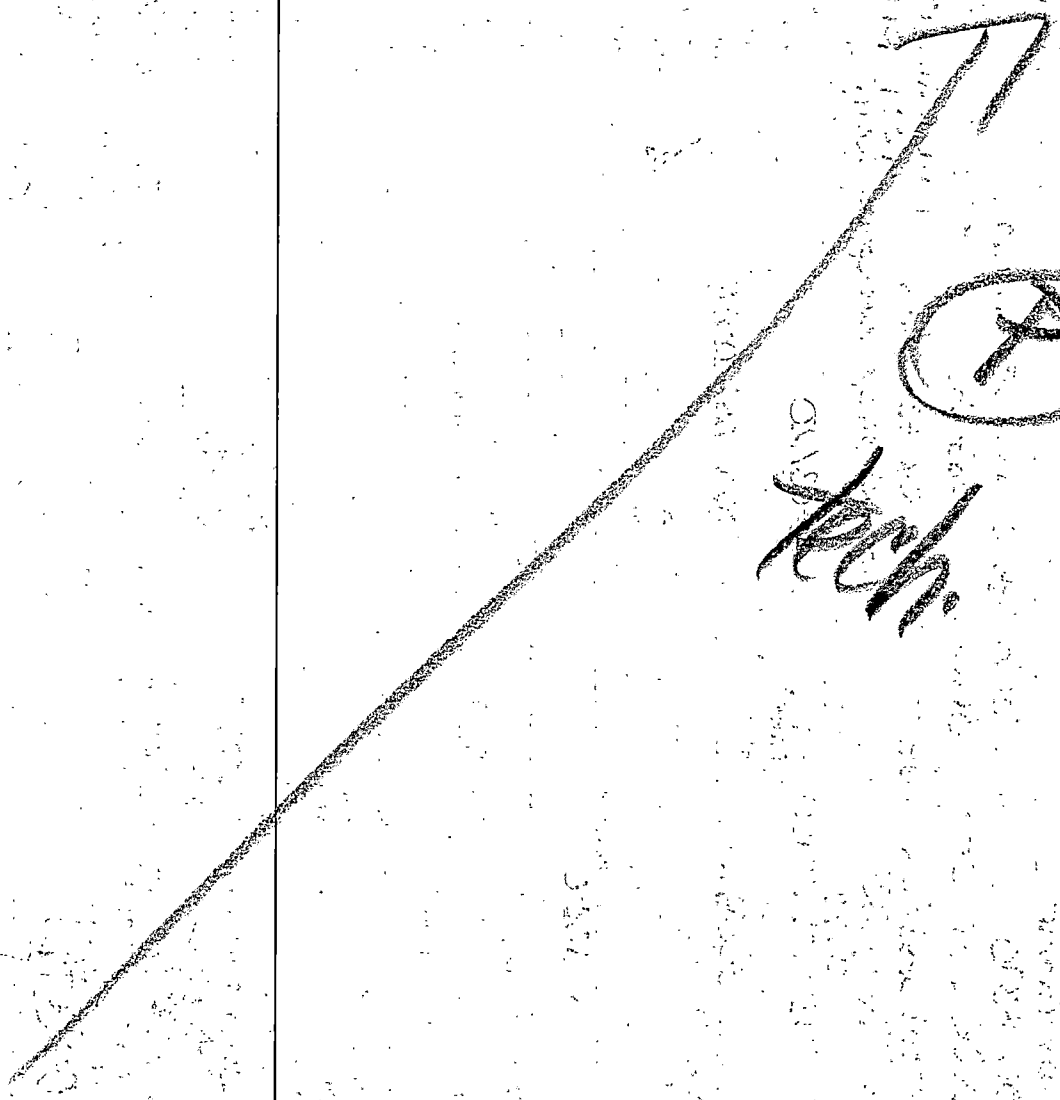
Type:	Failure	Failure	Approval	Initial
Slab				
Rough <u>MBS</u>	<u>6-11-19</u>		<u>6-11-19</u>	<u>JS</u>
Water				
Sewer				
Fixtures				
Gas Equipment				
Gas Piping				
LP Gas Tank				
Fuel Oil Piping				
Solar				
TCO				
Final			<u>10-19-19</u>	<u>JS</u>

Administrative Surcharge \$ _____
Minimum Fee \$ _____
State Permit Surcharge Fee \$ _____
TOTAL FEE \$ _____

6-11-19 ~~JS~~
25 psi Test + Required

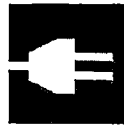
(P)

tech.





ELECTRICAL SUBCODE TECHNICAL SECTION



Date Received
Control #
Date Issued
Permit #

6/5/19
19-1421

A. IDENTIFICATION—APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 1033.03 Lot 23 Qualification Code _____

Work Site Location 86 Oak Knoll Dr.
Brick 08724

Owner in Fee: Judy Gahr

Te _____ e-mail _____

Address 86 Oak Knoll Dr. Brick 08724

Contractor: Silva Electric + Security Tel. (732) 444-8445

Address 1860 New Bedford Rd. e-mail _____
Wall Township, NJ 07719

Contractor License No. 16905 Exp. Date 3/31/21

Home Improvement Contractor Registration No. or Exemption Reason (if applicable): _____

Federal Emp. ID No. 45-4469797 FAX: (____) _____

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application and perform the work listed on this application.

Applicant sign/Contractor sign and seal here: _____

Print name here: Robert A. Silva

☒ Licensed Elec. Contractor ☐ Certif'd Landscape Irrigation Contr'r ☐ Exempt Applicant

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK: 1 pool light pump
filter heater time clock

QTY.	SIZE	ITEMS	FEE (Office Use Only)
☒		Lighting Fixtures	
☒		Receptacles	
☒		Switches	
☒		Detectors	
☒		Light Poles	
☒		Motors—Fract. HP	
☒		Emergency & Exit Lights	
☒		Communications Points	
☒		Alarm Devices/F.A.C. Panel	
☒		TOTAL NUMBERS	\$
☒		Pool Permit/with UW Lights	
☒		Storable Pool/Spa/Hot Tub	
☒		KW Elec. Range/Receptacle	
☒		KW Oven/Surface Unit	
☒		KW Elec. Water Heater	
☒		KW Elec. Dryer/Receptacle	
☒		KW Dishwasher	
☒		HP Garbage Disposal	
☒		KW Central A/C Unit	
☒		HP/KW Space Heater/Air Handler	
☒		KW Baseboard Heat	
☒		HP Motors 1/+ HP	
☒		KW Transformer/Generator	
☒		AMP Service	
☒		AMP Subpanels	
☒		AMP Motor Control Center	
☒		KW Elec. Sign/Outline Light	

JOB SUMMARY (Office Use Only)

PLAN REVIEW

☐ No Plans Required

☐ Partial - Underslab Utilities Approved

Date: _____ Approved by: _____

☒ Electric Plans Approved

Date: 6/5/19 Approved by: PJC

Joint Plan Review Required:

☐ Bldg. ☐ Plumb. ☐ Fire. ☐ Elev.

SUBCODE APPROVAL for PERMIT

Date: 6/5/19

Approved by: [Signature]

SUBCODE APPROVAL for CERTIFICATE

☐ CO ☐ CCO ☐ CA

Date: 10/1/19

Approved by: [Signature]

INSPECTIONS

Type: EBM

Reason: 1500

Barrier-Free

Trench

Temp. Cut-in-Card

Const. Serv.

ICO

Other

Service

Final

Barrier-Free

Temp. Cut-in-Card Date Issued

Final Cut-in-Card Date Issued

Annual Pool Inspection

Date of Grounding and Bonding Certification

Dates (Month/Day)

Failure

Failure

Approval

Initial

6-26-19

6-11-19

6-16-19

6-11-19

10/1/19

Administrative Surcharge \$ _____

Minimum Fee \$ _____

State Permit Surcharge Fee \$ _____

TOTAL FEE \$ _____

6 25 19 2 AM PASTED INSIDE WITH

✓
@
Tech



CONSTRUCTION PERMIT

Date Issued 6/5/19
Control # C-19-001415
Permit # 19-1421

IDENTIFICATION Block: 1033.03 Lot: 23 Qualifier _____
Work Site Location: 86 OAK KNOLL DR. Brick Township, NJ Contractor POOL & SPA DR LLC
Owner in Fee GAHR, JUDITH A Address 1714 ROUTE 35 WALL NJ 07719
86 OAK KNOLL DRIVE BRICK NJ 08724 Telephone: (732) 681-0532
Telephone: _____ Lic. No. or Bldrs. Reg. No. 13VH01117900
Federal Employee No. 223-505-910

Is hereby granted permission to perform the following work:

- ☒ BUILDING ☒ PLUMBING ☐ LEAD HAZARD ABATEMENT
☒ ELECTRICAL ☐ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT (Subchapter 8 only) ☒ OTHER

DESCRIPTION OF WORK:

FENCE, INGROUND SWIMMING POOL

Note: If construction does not commence within one (1) year of date of issuance, or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$23,275

D. Mearns
Construction Official

6/5/19
Date

U.C.C. F170
equiv (rev 1/04)

1 WHITE - INSPECTOR

2 CANARY - OFFICE

3 PINK - TAX ASSESSOR

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building	\$354
Electrical	\$150
Plumbing	\$150
Fire Protection	\$0
Elevator Devices	\$0
Other	\$125.00
DCA Training Fee	\$44
CO Fee	
Other	\$200
Total	\$1,023
Check No.	<u>11780</u>
Cash	\$0
Credit	\$0
Collected By	<u>CW</u>

REQUIRED INSPECTIONS

Construction work must be inspected in accordance with the State Uniform Construction Code Regulations N.J.A.C. 5:23-2.18. This agency will carry out such periodic inspections during the progress of work as are necessary to insure that the work installed conforms with the requirements of the Uniform Construction Code.

The owner or other responsible person in charge of work must notify this agency when work is ready for any required inspections specified below. Requests for inspections must be made at least 24 hours prior to the time the inspection is desired. Inspections will be performed within three business days of the time for which they are requested. The work must not proceed in a manner which will preclude the inspection until it has been made and approval granted.

☒ Required inspections for all subcodes for one- and two-family dwellings are as follows:

1. The bottom of footing trenches before placement of footings, except that in cases of pile foundations, inspections shall be made in accordance with the requirements of the building subcode.
2. Foundations and all walls up to grade level prior to back filling.
3. All structural framing, connections, wall and roof sheathing and insulation; electrical rough wiring, panel and service installation; rough plumbing. The framing inspection shall take place after the rough electrical and plumbing inspections and after the installation of the heating, ventilation and /or air conditioning duct system. The insulation inspection shall be performed after all other subcode rough inspections and prior to the installation of any interior finish material.
4. Installation of all finished materials, sealings of exterior joints, plumbing piping, trim and fixtures; electrical wiring, devices and fixtures; mechanical systems equipment.

Additional required inspections for all subcodes of construction, for other than one- and two-family dwellings, are fire suppression systems, heat producing devices and Barrier Free subcode accessibility, if applicable.

☐ Required special inspections. The applicant by accepting the permit will be deemed to have consented to these requirements:

☒ A final inspection is required for each applicable subcode area before a final Certificate of Occupancy or Approval may be issued. The final inspections include the installation of all interior and exterior finish materials, sealing of exterior joints, mechanical system and other required equipment; electrical wiring, devices and fixtures; plumbing pipes, trim and fixtures; tests required by any provision of the adopted subcodes, Barrier Free accessibility, if applicable; and verification of compliance with NJAC 5:23-3.5, "Posting structures".

☒ A complete copy of released plans must be kept on the job site.

If you do not understand any of this information, please ask.

RECEIVING CLERK _____
DATE REC'D _____

ZONING PERMIT APPLICATION

PERMIT # 2P-19-00610
DATE ISSUED 6/5/19

BLOCK: 1033.03 LOT: 23 QUALIFIER: — SITE ADDRESS: 86 Oak Knoll Rd.

IDENTIFICATION:

1. NAME OF OWNER IN FEE: JUDY GAHR
COMPLETE ADDRESS: 86 Oak Knoll Rd.
Brick NJ 08724
PHONE: [REDACTED] EMAIL: [REDACTED]
2. NAME OF APPLICANT: The Pool and Spa Doctor
APPLICANT ADDRESS: 1714 Hwy 35
Wall NJ 07719
PHONE # 732-681-0532 EMAIL: contact@thepoolandspadoc.com
3. RESPONSIBLE PERSON FOR WORK: Michele Struble
PHONE# 732-681-0532 FAX# 732-681-0543
4. SIGNATURE OF APPLICANT: _____

FOR OFFICE USE ONLY

FEE SUMMARY:

APPLICATION FEE: \$ 50-
OTHER: \$ _____
TOTAL: \$ 50-

REQUIRED BY APPLICANT

RESIDENTIAL: ✓
COMMERCIAL: _____
EXISTING USE: SFR
PROPOSED USE: SFR

BOARD APPROVAL: _____ PB _____ ZB _____
RESOLUTION#: _____
APPROVAL DATE: _____

PROJECT DESCRIPTION: (PLEASE CHECK APPLICABLE WORK & DESCRIBE)

*NEW BUILDING: _____ *ADDITION _____ *ALTERATION _____ *PORCH _____ *DECK _____

POOL: ABOVE GROUND _____ IN GROUND X FENCE: HEIGHT 6' TYPE privacy MATERIAL vinyl
HEIGHT: _____ (*IF APPLICABLE)

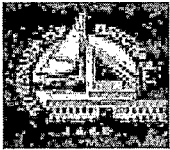
OTHER: _____

DESCRIPTION: 10' x 20' inground pool

ZONING REVIEW:

DATE REVIEWED: 5/6/19 DATE DENIED: 4/30/19 DATE APPROVED: 5/6/19 INTLS: cu

(SEE BACK PAGE)



Brick Township
401 Chambers Bridge Rd.
Brick, NJ 08723
(732) 262-1041

Date Issued: 6/5/19
Application Number: ZA-19-00499
Application Date: 5/6/2019
Project Number: _____
Permit Number: ZP-19-00610
Fee: \$50.00

Zoning Permit

Worksite **86 OAK KNOLL DR.**
Location: **Brick Township, NJ 08724**

Owner: **GAHR, JUDITH A**
Address: **86 OAK KNOLL DRIVE**
BRICK, NJ 08724

Applicant: **THE POOL AND SPA DOCTOR, LLC**
Address: **1714 HIGHWAY 35**
WALL, NJ 07719

Block: 1033.03 Lot: 23 Qualifier: _____ Zone: R-10

This Certifies that an application for the issuance of a Zoning Permit has been examined.

Present Use: Single-Family Residential

☐ Non Conforming Use

☐ Non Conforming Structure

Proposed Use: Single-Family Residential

Work Description:

Fence, Inground Pool - 10' x 20' Inground Pool
6' privacy vinyl fence

The pool and pool equipment must be setback at least 30' from the front property line, 15' from the second frontage on Aldgate Dr., 5' from the side and rear property line.

The 6' privacy vinyl fence must be setback at least 30' from the front property line, 15' from the second frontage on Aldgate Dr., and can be placed on the side and rear property line.

Additional Zoning permit is required for additional work.

Application Approved Date: 5/6/2019

Upon review it was determined that the Zoning Permit:

☒ Permitted by Ordinance

☐ Permitted by Variance approved on: _____

☐ Approved with Conditions

☐ Valid Nonconforming Use/Structure is established by

☐ Zoning Board of Adjustment

☐ Zoning Officer

Christopher J. Romano, Zoning Officer

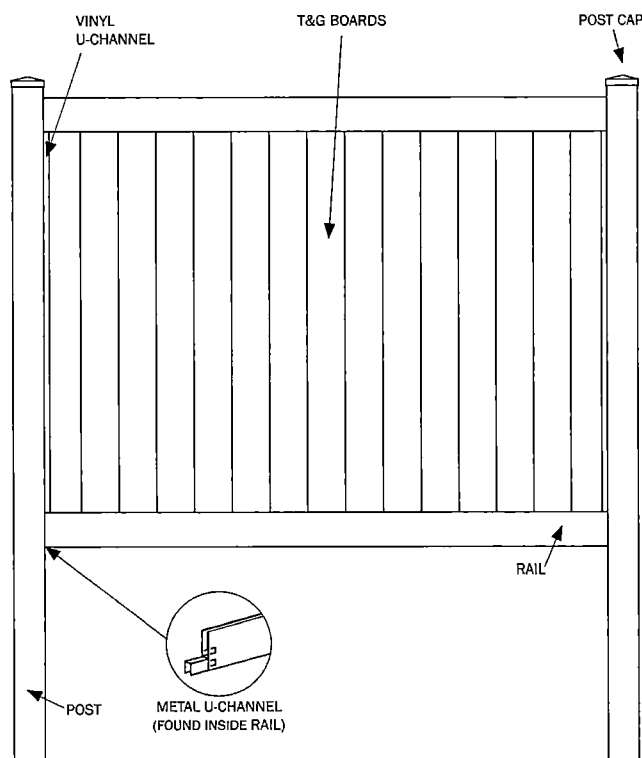
5/6/2019

Date

Illusions® Installation (IMPORTANT: Make sure you have accompanying Installation Sheet for Style being installed)

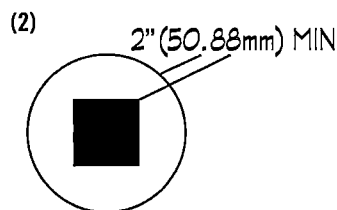
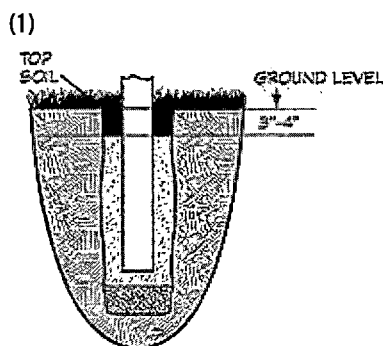
PLANNING

- Prior to construction, check with your local regulatory agency for special code requirements in your areas.
- Contact your utility supplier to locate and mark underground lines.
- Sketch out the layout of your fence and calculate the number of panels, gates, posts and caps needed for your project. Adjust layout to accommodate as many full panels as possible. If you must use a partial panel, place in the furthest corner of the property. (If using cut section, order extra vinyl u-channels, Code# - V7816U).
- Careful planning and measuring of your fence project is essential, as moving posts after the concrete sets is extremely difficult.



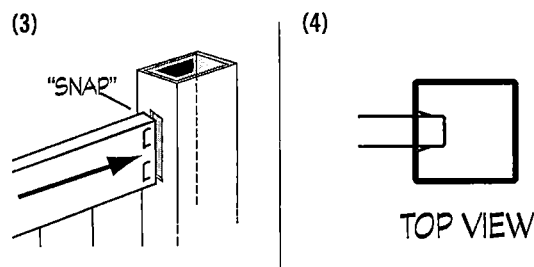
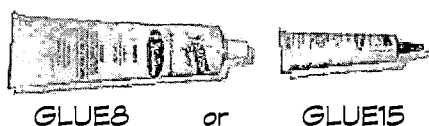
DIGGING POST HOLES

- String your line from end to end turning at corners. This will enable a straight line of fence.
- It is recommended to dig one hole at a time. Dig post holes 10" to 12" in diameter and 36" to 42" deep (depending on local ordinance or expected frost depth in winter). (See Figures 1 & 2). The hole should be as deep as the post depending on grade. No less than 30" below grade for 5" x 5" posts and 32" for 8" x 8" posts. The diameter of the hole should be no less than 12" for 5" x 5" posts and 15" for 8" x 8" posts (See Figures 1 & 2). A premium wet or dry concrete mix is to be used depending on ground condition in the area. (Check local codes for amount of concrete to be used).
- Space post holes on center measurements based on the style you'll be installing (See appropriate style spec sheet). Use a string line to ensure all post holes are in line and verify spacing between holes. **Double-check all measurements!**



SETTING & INSTALLING POSTS AND PANELS

- Snap in the pre-notched, pre-assembled section panel into the post before concrete sets (Figures 3 & 4)
- Repeat process with each section.
- Level sections to desired grade.
- Lastly, use a small amount of Illusions Glue on every selected style post cap and place on top of post.

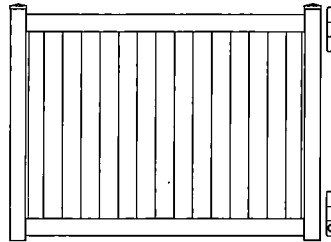


NOTE: In high wind areas, you may want to use 75MPH Wind Illusions Vinyl Fence Certified Adaptor Kits™

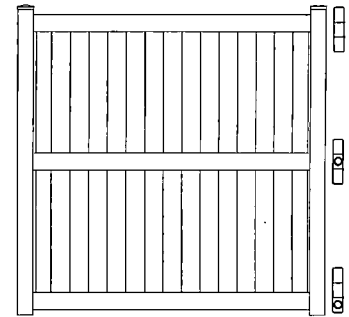


Sections - Illusions Styles of Fence Selection

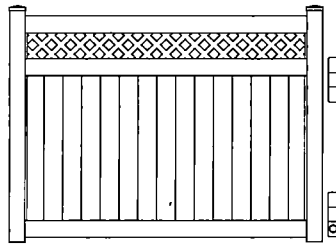
Shown are the different *Illusions*[®] Vinyl Fence Series Styles available. This covers all styles available within the series. Please consult your *Illusions* Vinyl Fence Catalog to see the individual style choices.



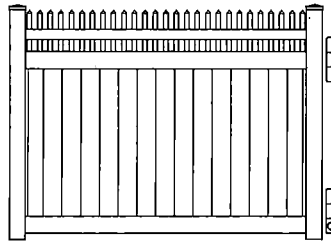
V300 Series (3' to 6' Height)



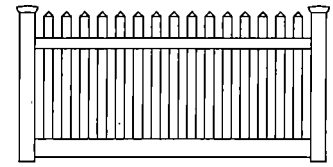
V300 Series (7' to 8' Height)



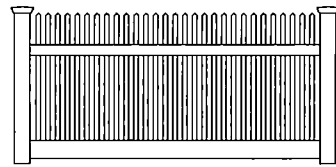
V3215 Series (3' to 8' Height)



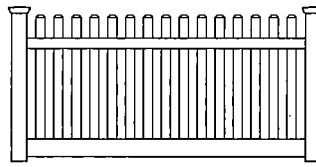
V3700 Series (3' to 8' Height)



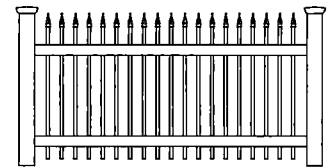
V401 Series (3' to 6' Height)



V700 Series (3' to 6' Height)



V350 Series (3' to 6' Height)



V0100 Series (3' to 6' Height)

GALVANIZED U-CHANNEL
CORRECT RAILING
PLACEMENT



○ = Included with Section



Vinyl Posts

4" x 4" Posts

V44__ Series Posts *Illusions*[®]
4" x 4" for all styles up to 6ft. height fence.
Select the end, line, or corner style post to be
3ft. longer than section installed 2" above
top of section height.

5" x 5" Posts

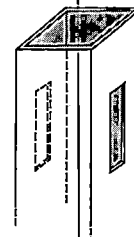
V55__ Series Posts *Illusions*[®]
5" x 5" for all styles up to 6ft. height fence.
Select the end, line, or corner style post to be
3ft. longer than section installed 2" above top
of section height.

5" x 5" Posts

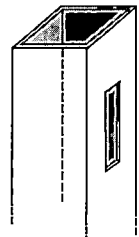
VH55__ Series Posts *Illusions*[®]
Heavy Wall 5" x 5" for all styles up to 6ft.
height fence. Used for heightened wind
locations and gate posts.

8" x 8" Posts

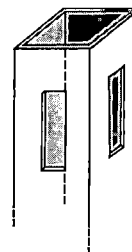
V88__ Series Majestic 8" Posts *Illusions*[®]
Heavy Wall 8" x 8" for all styles up to 10ft.
Height fence and selection. The end, line, or
corner style posts to be 3-4ft. longer than
the section installed 2" above the top section
height. Recommended for installations
in high wind areas as well as Majestic
Entranceways.



Line



End



Corner

IMPORTANT NOTE:

Installer must consult local code officials for
compliance to building code requirements.

HOMEOWNER'S POOL CERTIFICATION

BARRIER REQUIREMENTS:

Outdoor private swimming pool: An outdoor private swimming pool includes an in-ground, above-ground or on-ground pool, hot tub or spa, and shall comply with the following:

1. The top of the barrier shall be at least 48 inches above finished ground level measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between finished ground level and the barrier shall be 2 inches measured on the side of the barrier which faces away from the swimming pool. Where the top of the pool structure is above finished ground level, such as an above-ground pool, the barrier shall be at finished ground level, such as the pool structure, or shall be mounted on top of the pool structure. Where the barrier is mounted on the pool structure, the opening between the top surface of the pool frame and the bottom of the barrier shall not allow passage of a 4 inch diameter sphere.
2. Openings in the barrier shall not allow passage of a 4 inch diameter sphere.
3. Solid barriers shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.
4. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches, the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 1 ¾ inches in width. Decorative cutouts shall not exceed 1 ¾ inches in width.
5. The maximum opening formed by a chain link fence shall be no more than 1 ¾ inches. However, larger opening may be used when slats fastened at top and bottom which reduce the openings to no more than 1 ¾ inches.
6. There shall be a clear zone of not less than 36" between the exterior of the barrier and any permanent structures or equipment such as pumps, filters, and heaters that can be used to climb the barrier.
7. Access gates shall comply with the requirements of items 1 through 6, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outwards away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access gates shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches from the bottom of the gate: (a) the release mechanism shall be located on the pool side of the gate at least 3 inches below the top of the gate and; (b) the gate and barrier shall not have an opening greater than ½ inch within 18 inches of the release mechanism.
8. Where the pool or spa area abuts the edge of a body of water the required barriers shall extend to and beyond the water's edge not less than 18". A barrier is not required between the body of water and the pool or spa.

BLOCK: 1033.03 LOT: 23 ADDRESS: 816 Oak Knoll Rd Bkx

In accordance with the NJAC 5:23-2.23, NO POOL SHALL BE USED IN WHOLE OR IN PART UNTIL A CERTIFICATE OF APPROVAL HAS BEEN ISSUED BY THE CONSTRUCTION OFFICIAL.

I certify that I am the owner of the above referenced pool being built. I further certify that the pool will not be used in whole or in part until a permanent fence is installed and a Certificate of Approval has been issued by the Construction Official.

I have read the fence requirements listed above and understand them.

Owner's Signature

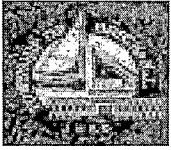
Print Name

PHILIP S. DELLA PIETRO
NOTARY PUBLIC OF NEW JERSEY
I.D. # 50033222

My Commission Expires 2/28/2024
Notary Signature

Barrier Exceptions: Spas or hot tubs with a lockable safety cover which complies with ASTM F 1346, as listed in 2015 ISPSC Section 305, shall be exempt from the provisions of this appendix.

PHILIP S. DELLA PIETRA
NOTARY PUBLIC OF NEW JERSEY
J.D. # 50038255
My Commission Expires 12/31/2021



Brick Township
Community Development and Land Use
401 Chambers Bridge Rd.
Brick, NJ 08723
(732) 262-1041 Fax(732) 262-2941

Application Date:	<u>4/30/2019</u>
Application Number:	<u>ZA-19-00499</u>
Permit Number:	<u> </u>
Project Number:	<u> </u>
Fee:	<u>\$50</u>

Denial of Application

Date: 5/1/2019

To: THE POOL AND SPA DOCTOR, LLC
1714 HIGHWAY 35
WALL, NJ 07719

CC: App Tele:(732) 681-0532

RE: 86 OAK KNOLL DR.
Block: 1033.03 Lot: 23 Qual: Zone: R-10

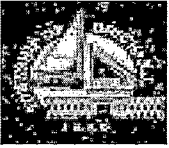
Dear THE POOL AND SPA DOCTOR, LLC,
Your request is hereby denied based upon the following requirements:

A variance is required for the proposed work.

The 6' fence must be minimum 15' from the second frontage property line along Aldgate Dr. A setback of 10' is proposed.

Sincerely,

Christopher J. Romano, Zoning Officer



Brick Township
Community Development and Land Use
401 Chambers Bridge Rd.
Brick, NJ 08723
(732) 262-1041 Fax(732) 262-2941

Application Date:	<u>4/30/2019</u>
Application Number:	<u>ZA-19-00499</u>
Permit Number:	<u> </u>
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Denial of Application

Date: 5/1/2019

To: THE POOL AND SPA DOCTOR, LLC
1714 HIGHWAY 35
WALL, NJ 07719

CC: App Tele:(732) 681-0532

RE: 86 OAK KNOLL DR.
Block: 1033.03 Lot: 23 Qual: Zone: R-10

Dear THE POOL AND SPA DOCTOR, LLC,
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The 6' fence must be minimum 15' from the second frontage property line along Aldgate Dr. A setback of 10' is proposed.

Sincerely,

Christopher J. Romano, Zoning Officer

86 OAK KNOLL RD,
BRICK



LIC# 16905

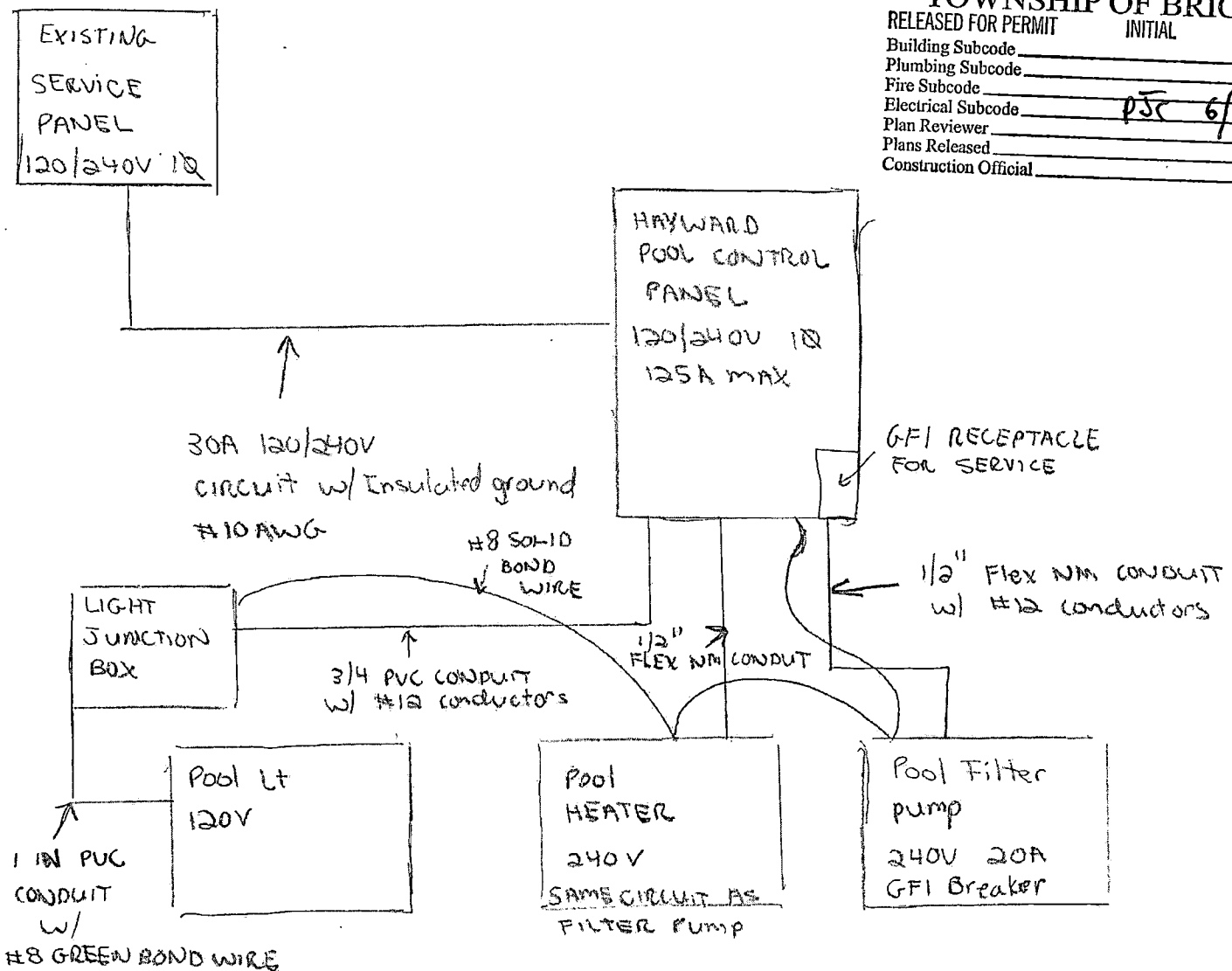
1860 New Bedford Road, Wall Township, NJ 07719

PH 732-444-8445 | FAX 732-578-8480 | info@electricsilva.com | www.electricsilva.com

FILE COPY

TOWNSHIP OF BRICK

RELEASED FOR PERMIT INITIAL DATE
Building Subcode _____
Plumbing Subcode _____
Fire Subcode _____
Electrical Subcode PJC 6/5/19
Plan Reviewer _____
Plans Released _____
Construction Official _____



1000217

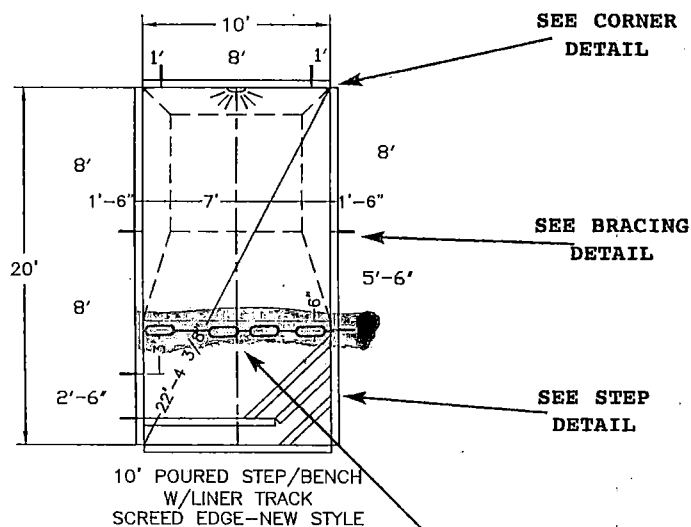
1000217

RECTANGLE 10' X 20'

**THIS POOL IS DESIGNED
FOR RESIDENTIAL USE ONLY!**

**DEPTH AND SHAPE OF POOL MEET
REQUIREMENTS OF THE
INTERNATIONAL SWIMMING POOL
AND SPA CODE 2015.**

THIS IS NOT A DIVING POOL !!



**SAFETY FLOAT
LINE 12" FROM
TRANSITION**

Diagram illustrating the CS902SA Square Corner Angle. The angle is shown with dimensions and callouts:

- CS902SA
- 1 1/2" X 1 1/2"
- SQUARE CORNER ANGLE
- 3/8" NUT (top)
- 3/8" NUT (bottom)
- 3/8" X 3/4" BOLT (bottom)
- CS903FC 6" RADIUS CORNER INSERT (pointing to the corner)

Technical drawing of a concrete curb cross-section. The drawing includes a side elevation and two circular cross-sections labeled A-A and B-B. Key dimensions and features are as follows:

- Side Elevation Dimensions:**
 - Top width: 1'-2 1/4"
 - Top width (inner): 1'-2 1/4"
 - Top width (outer): 2'
 - Height: 3'-6"
 - Bottom width (left): 1'-0"
 - Bottom width (middle): 10 3/4"
 - Bottom width (right): 10 3/4"
 - Bottom width (total): 1'-0"
 - Bottom width (inner): 1'-0"
 - Bottom width (outer): 1'-0"
- Construction Details:**
 - SCREED EDGING:** Indicated at the top left corner.
 - TEK SCREW:** Indicated at the top left corner.
 - A-A:** A circular cross-section showing the curb's profile.
 - B-B:** A circular cross-section showing the curb's profile.

THREADED ROD FRAME ASSEMBLY

6/8" - 11 PLATED THREAFT ROD

2" x 2" x 5/16" POWDER COATED ANGLE BRACKET

REVERSE ANGLE VIEW

THREADED LONG ANGLE
1 1/2" x 1 1/2" x 30
11 GA. GALVANIZED ANGLE

OPTIONAL DRIVE STAKE
1 1/2" x 1 1/2" x 16"
14 GA. GALVANIZED ANGLE

TURNBUCKLE FRAME ASSEMBLY

TURNBUCKLE ANGLE
1 1/2" x 1 1/2" x 25 1/4"
11 GA. GALVANIZED ANGLE

BEARING PLATE
7 1/2" x 4 1/2" x 1/2"
14 GA. GALV. ANGLE

ADJUSTABLE FRAME ASSEMBLY

SHORT ADJUSTABLE ANGLE
1 1/2" x 1 1/2" x 19"
11 GA. GALVANIZED ANGLE
CS6055A

LONG ADJUSTABLE ANGLE
1 1/2" x 1 1/2" x 33"
11 GA. GALVANIZED ANGLE
CS6055A

DRIVE STAKE
1 1/2" x 1 1/2" x 18"
14 GA. GALVANIZED ANGLE
CS6055B

SHORT ANGLE
1 1/2" x 1 1/2" x 24"
14 GA. GALVANIZED ANGLE
CS6055A

BEARING PLATE
7 1/2" x 4 1/2" x 1/2"
14 GA. GALV. ANGLE
CS6078P

NOTCHED SHORT ANGLE
2" x 2" x 28"
14 GA. GALVANIZED ANGLE
CS6055C

- 1) DEPTH AND SHAPE OF POOL MEET MINIMUM MINIMUM STANDARDS OF THE 2015 INTERNATIONAL SWIMMING POOL AND SPA CODE (ISPSC) FOR IN-GROUND SWIMMING POOLS.
- 2) ~~A MEANS OF EGRESS FOR BOTH THE DEEP END AND THE SHALLOW END OF THE POOL MUST BE PROVIDED IN ACCORDANCE WITH THE 2015 INTERNATIONAL SWIMMING POOL AND SPA CODE SECTION 809.~~
- 3) EQUIPOTENTIAL BONDING MUST BE PROVIDED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE NFPA 70.
- 4) ALL A-FRAME BRACES ARE TO BE MOUNDED WITH A MINIMUM OF ONE CUBIC FOOT OF CONCRETE OR A SIX-INCH CONTINUOUS POURED CONCRETE PERIMETER COLLAR.
- 5) ~~POOL IS NOT DESIGNED FOR A DIVING BOARD. NO DIVING LABELS ARE TO BE INSTALLED AROUND THE PERIMETER OF THE POOL.~~
- 6) SUCTION ENTRAPMENT AVOIDANCE IS TO BE INSTALLED IN ACCORDANCE WITH ANSI/APSP/ICC-7.
- 7) ALL WORK NOT SPECIFICALLY SHOWN IS TO BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2015 INTERNATIONAL SWIMMING POOL CODE, THE 2015 INTERNATIONAL RESIDENTIAL CODE, AND ALL OTHER APPLICABLE CODES.
- 8) THE POOL DECK/COPING IS WITHIN 12" OF THE DESIGN WATERLINE AND AS SUCH, THE POOL DECK/COPING SATISFIES THE REQUIREMENT OF HANDHOLDS PER 2015 ISPSC SECTION 323.1".

Cardinal

Pool Size: 10' X 20'
Pool Shape: RECTANGLE
Pool Number: PRT16014

Date: 4/10/2019	Perimeter: 60'-0"	  CardinalSystemsInc.com
Drawn By: PHIL K	Area: 200.0 SQ FT	
Scale: 1/8" = 1'-0"	Notes: POOL & SPA DR./GAHR	

This information is the confidential property of Cardinal Systems, Inc. Disclosure or duplication without proper written approval is strictly prohibited. Acceptance and use of this drawing constitutes knowledge and acceptance by the user of the terms and conditions set forth in the edition and warning which accompanied this drawing is incorporated herein and made part hereof and is found on Cardinal Systems, Inc. website.

ROBERT C. BURDICK, P.E.
PROFESSIONAL ENGINEER
1023 OCEAN ROAD
PT. PLEASANT, N.J. 08742
732-892-5050

R.C. BURDICK, P.E. 36929

REVISSED FENCE LOCATION

HOMEOWNER'S POOL CERTIFICATION

BARRIER REQUIREMENTS:

Outdoor private swimming pool: An outdoor private swimming pool includes an in-ground, above-ground or on-ground pool, hot tub or spa, and shall comply with the following:

1. The top of the barrier shall be at least 48 inches above finished ground level measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between finished ground level and the barrier shall be 2 inches measured on the side of the barrier which faces away from the swimming pool. Where the top of the pool structure is above finished ground level, such as an above-ground pool, the barrier shall be at finished ground level, such as the pool structure, or shall be mounted on top of the pool structure. Where the barrier is mounted on the pool structure, the opening between the top surface of the pool frame and the bottom of the barrier shall not allow passage of a 4 inch diameter sphere.
2. Openings in the barrier shall not allow passage of a 4 inch diameter sphere.
3. Solid barriers shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.
4. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches, the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 1 3/4 inches in width. Decorative cutouts shall not exceed 1 3/4 inches in width.
5. The maximum opening formed by a chain link fence shall be no more than 1 3/4 inches. However, larger opening may be used when slats fastened at top and bottom which reduce the openings to no more than 1 3/4 inches.
6. There shall be a clear zone of not less than 36" between the exterior of the barrier and any permanent structures or equipment such as pumps, filters, and heaters that can be used to climb the barrier.
7. Access gates shall comply with the requirements of items 1 through 6, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outwards away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access gates shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches from the bottom of the gate: (a) the release mechanism shall be located on the pool side of the gate at least 3 inches below the top of the gate and; (b) the gate and barrier shall not have an opening greater than 1/2 inch within 18 inches of the release mechanism.
8. Where the pool or spa area abuts the edge of a body of water the required barriers shall extend to and beyond the water's edge not less than 18". A barrier is not required between the body of water and the pool or spa.

BLOCK: 1033-03 LOT: 03 ADDRESS: 816 Oak V North Rd Brick

In accordance with the NJAC 5:23-2.23, NO POOL SHALL BE USED IN WHOLE OR IN PART UNTIL A CERTIFICATE OF APPROVAL HAS BEEN ISSUED BY THE CONSTRUCTION OFFICIAL.

I certify that I am the owner of the above referenced pool being built. I further certify that the pool will not be used in whole or in part until a permanent fence is installed and a Certificate of Approval has been issued by the Construction Official.

I have read the fence requirements listed above and understand them.

Owner's Signature

Print Name

PHILIP S. DELLA PIETRO
NOTARY PUBLIC OF NEW JERSEY
I.D. # 50033222
My Commission Expires 2/20/2021

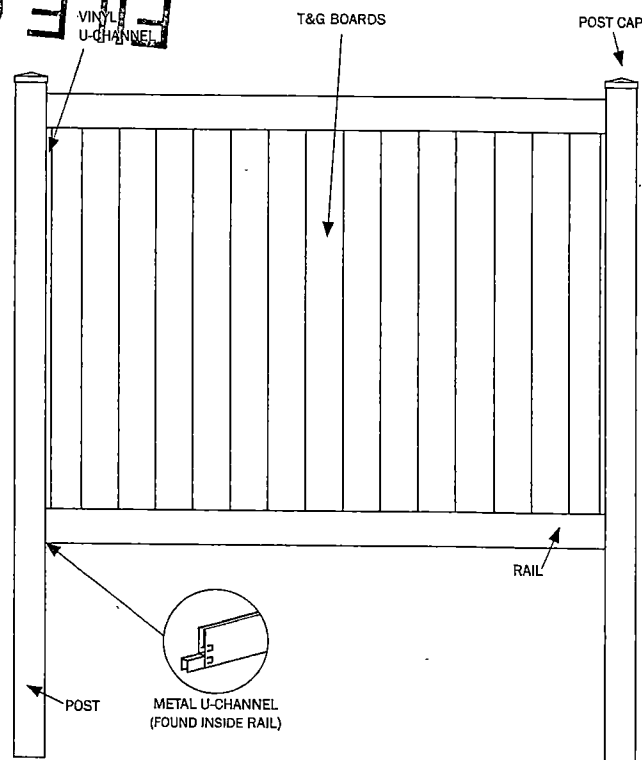
Barrier Exceptions: Spas or hot tubs with a lockable safety cover which complies with ASTM F 1346, as listed in 2015 ISFSC Section 305, shall be exempt from the provisions of this appendix.

Illusions® Installation (IMPORTANT: Make sure you have accompanying Installation Sheet for Style being installed)

PLANNING

- Prior to construction, check with your local regulatory agency for special code requirements in your areas.
- Contact your utility supplier to locate and mark underground lines.
- Sketch out the layout of your fence and calculate the number of panels, gates, posts and caps needed for your project. Adjust layout to accommodate as many full panels as possible. If you must use a partial panel, place in the furthest corner of the property. (If using cut section, order extra vinyl u-channels, Code# - V7816U).
- Careful planning and measuring of your fence project is essential, as moving posts after the concrete sets is extremely difficult.

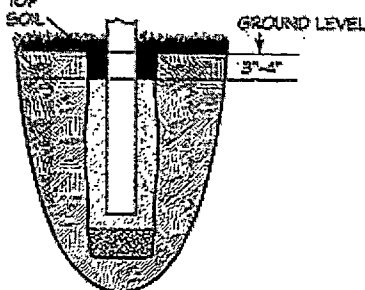
FILE COPY



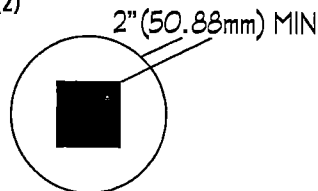
DIGGING POST HOLES

- String your line from end to end turning at corners. This will enable a straight line of fence.
- It is recommended to dig one hole at a time. Dig post holes 10" to 12" in diameter and 36" to 42" deep (depending on local ordinance or expected frost depth in winter). (See Figures 1 & 2). The hole should be as deep as the post depending on grade. No less than 30" below grade for 5" x 5" posts and 32" for 8" x 8" posts. The diameter of the hole should be no less than 12" for 5" x 5" posts and 15" for 8" x 8" posts (See Figures 1 & 2). A premium wet or dry concrete mix is to be used depending on ground condition in the area. (Check local codes for amount of concrete to be used).
- Space post holes on center measurements based on the style you'll be installing (See appropriate style spec sheet). Use a string line to ensure all post holes are in line and verify spacing between holes. **Double-check all measurements!**

(1)

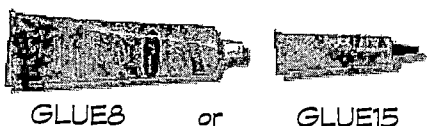


(2)

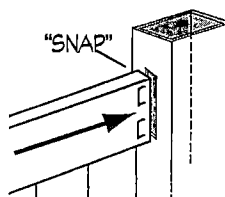


SETTING & INSTALLING POSTS AND PANELS

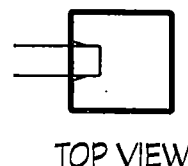
- Snap in the pre-notched, pre-assembled section panel into the post before concrete sets (Figures 3 & 4)
- Repeat process with each section.
- Level sections to desired grade.
- Lastly, use a small amount of Illusions Glue on every selected style post cap and place on top of post.



(3)



(4)

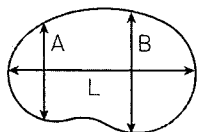


NOTE: In high wind areas, you may want to use 75MPH Wind Illusions Vinyl Fence Certified Adaptor Kits™

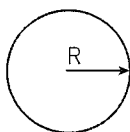
SELECTING THE CORRECT SIZE UNIVERSAL H-SERIES HEATER

FOR YOUR SWIMMING POOL

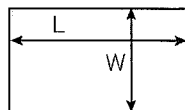
1. Determine your pool's surface area in square feet:



$$\text{AREA} = (A+B) \times L \times .45$$



$$\text{AREA} = R \times R \times 3.14$$



$$\text{AREA} = L \times W$$

2. Select the model that corresponds with a surface area that is equal to, or just greater than, your pool's surface area. For indoor pool installations, divide the pool's surface area by 3.

MODEL*	H500	H400	H350	H300	H250	H200	H150
SURFACE AREA	1,500	1,200	1,050	900	750	600	450

FOR YOUR SPA OR HOT TUB

1. Determine your spa capacity in gallons (surface area x average depth x 7.5).
2. In the table below, locate the column with the spa/tub size in gallons that is closest to yours.
3. Select the desired time to raise the spa/hot tub temperature 30°F, read to the left and select the appropriate Universal H-Series model.

MODEL	SPA/TUB SIZE IN GALLONS**								
	200	300	400	500	600	700	800	900	1,000
Time in Minutes to Raise Spa/Tub Temperature 30°F***									
H500	7	11	14	18	22	25	29	32	35
H400	9	14	18	23	27	32	36	41	45
H350	10	16	21	26	31	36	41	46	52
H300	12	18	24	30	36	42	48	54	60
H250	15	22	29	36	43	51	58	65	72
H200	18	27	36	45	54	63	72	81	90
H150	24	36	48	60	72	84	96	108	120

SPECIFICATIONS AND DIMENSIONS

	H500FD	H400FD	H350FD	H300FD	H250FD	H200FD	H150FD
BTU/hr	500,000	399,900	350,000	300,000	250,000	199,900	150,000
Thermal efficiency	83%	84%	83%	82.7%	83%	83%	82.7%
Width (inches)	41"	36"	33"	30"	28"	25"	21"
Depth (inches)	29½"	29½"	29½"	29½"	29½"	29½"	29½"
Height (inches)	24"	24"	24"	24"	24"	24"	24"
Water connections	2" x 2½"	2" x 2½"	2" x 2½"	2" x 2½"	2" x 2½"	2" x 2½"	2" x 2½"
Heat exchanger	Cupro Nickel	Cupro Nickel	Cupro Nickel	Cupro Nickel	Cupro Nickel	Cupro Nickel	Cupro Nickel
Indoor vent pipe diameter (inches) natural gas	6"	6"	8"	8"	4"	6"	6"
Indoor vent pipe diameter (inches) propane gas	8"	8"	8"	8"	6"	6"	6"
Heater weight (lbs)	223	160	158	145	134	123	110
Gas connection at heater	1"	¾"	¾"	¾"	¾"	¾"	¾"

H-Series heaters are available in a comprehensive range of BTU sizes for natural or propane gas. All units are certified by the Canadian Standards Association and carry the exclusive Hayward® warranty.

*Model recommendation is based on a 30°F temperature rise, 3½ mph average wind velocity and elevation of up to 2,000 feet above sea level.

**Heat lost and/or absorbed by spa walls or other objects will add to the time it takes the spa to heat up.

***Based on an insulated and covered spa.

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Pumps » Filters » Heaters » Cleaners » Sanitization » Automation » Lighting » Water Features » White Goods

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LITUHS17





CERTIFICATION OF COMPLIANCE

Contains: WG1048E, WG1048EBLK, WG1048EGR, or WG1048EDGR
Description: 8" Round Suction Outlet Cover

Ratings: Floor: 125 GPM Wall: 72 GPM Open Area: 8.1 sq-in

Certified to Comply with Section 1404 of the Virginia Graeme Baker Act (VGB) Pool & Spa Safety Act codified at 16 CFR part 1450. Initial Certification May 2011.

Manufactured: After September 10, 2009, by a Division of Hayward Industries, Inc. at K4-A, 214028 Block K4- A, Export Processing Zone Wuxi New District Jiangsu Province PRC 214028, China; or at One Hayward Industrial Drive, Clemmons, NC 27012.

Certified by Hayward Pool Products, 620 Division Street, Elizabeth, NJ 07207, Phone 908-355-7995
Contact at www.haywardnet.com

Record Custodian is Customer Service at www.haywardnet.com.

Hayward Pool Products P.O. Box 5100 Clemmons, NC 27012-5100, Phone: 336-712-9900

<http://www.hayward-pool.com/pdf/literature/8inroundCOC.pdf>

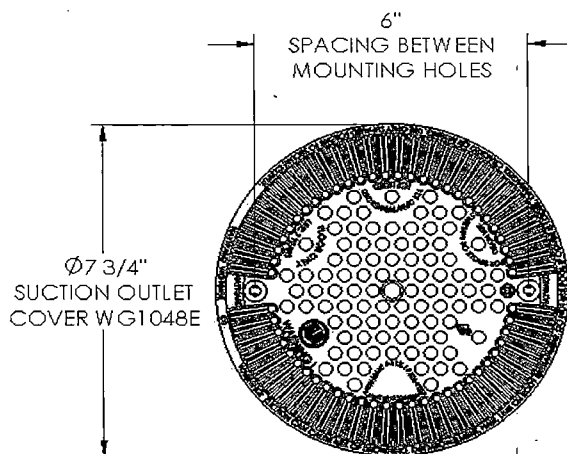
Date of Mfr: The Lot Number shown on the product label contains the Year & Month of manufacture. The first number represents the year (ex 1 = 2011) and the second character the month (A=Jan, B=Feb, H=Aug, I is skipped, J=Sep, etc)

Tested to: ANSI/APSP 16 (ANSI/ASME 112.19.8-2007 (addendum 9b-2009)) per Section 1404 of the Virginia Graeme Baker Act (VGB) Pool & Spa Safety Act. Tested by NSF International, 789 Dixboro Road, Ann Arbor, MI 48113, Phone 734-769-8010 in April 2011. Certificate at:
<http://info.nsf.org/Certified/Pools/Listings.asp?Company=21600&Standard=ASME1908>

Date of Installation: _____

Suction outlet components have a finite life, the cover/grate should be inspected frequently and replaced at least every **7 years** or if found to be damaged, broken, cracked, missing, or not securely attached.

Hayward Pool Products acknowledges that it is a federal crime to knowingly and willingly make materially false, fictitious, or fraudulent statements, representations, or omissions on this certification.



USED ON FOLLOWING SERIES:

WG1030AVPAK2	SP1030AVPAK2
WG1048AVPAK2	SP1048AVPAK2
WG1049AVPAK2	SP1049AVPAK2
WG1051AVPAK2	SP1051AVPAK2
WG1052AVPAK2	SP1052AVPAK2
WG1053AVPAK2	SP1053AVPAK2
WG1054AVPAK2	SP1054AVPAK2
WG1153AVPAK2	SP1153AVPAK2
WG1154AVPAK2	SP1154AVPAK2

▲ Warning – Suction Entrapment Hazard.

Suction in suction outlets and/or suction outlet covers which are installed in a small area and/or below the surrounding surface can cause severe injury or death due to body entrapment hazard.

To reduce the risk of body entrapment, installation of the field fabricated sumps must be such that the top of the mounted cover is a minimum of 1 1/2" above the finished pool surface over an area larger than 40" on a diagonal.



HAYWARD®

SwimClear™

»»» Single-Element Cartridge Filter

LOWEST IN HEAD LOSS, HIGHEST
IN EFFICIENCY





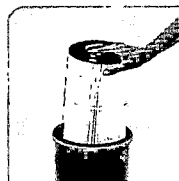
INCOMPARABLE EFFICIENCY

SwimClear™ filters are simply the most efficient single-element cartridge filters ever produced. Designed for greater hydraulic efficiency, they boast the industry's lowest head loss—saving pool owners more energy and money.



QUICK & EASY MAINTENANCE

A recessed pressure gauge and manual air relief allow for easy access to SwimClear's head assembly while also sealing the filter against contamination. And with the lowest body height on the market, cleaning and changing filter cartridges is easier than ever.



SIMPLE INSTALLATION

With 2" x 2½" union connections, SwimClear is quick and easy to retrofit in virtually any application. An Easy-Lok™ ring design and ergonomic handles offer confident filter handling while preventing contact with fiberglass-based surfaces.

SWIMCLEAR CARTRIDGE FILTERS

Filter Type	Cartridge element: 100 ft² 150 ft² 200 ft² (9.29 m² 13.94 m² 18.58 m²)
Filter Tank	High-strength, injection-molded, glass-reinforced copolymer
Filter Element	Reinforced polyester
Performance Range	100 to 120 GPM, 379 to 455 LPM
Dimensions	C100S: 30½" H x 18¼" W" (775 mm x 464 mm)*
	C150S: 33¾" H x 18¼" W" (857 mm x 464 mm)*
	C200S: 38¾" H x 18¼" W" (984 mm x 464 mm)*

FILTER PERFORMANCE DATA

MODEL NUMBER		EFFECTIVE FILTRATION AREA	DESIGN FLOW RATE**	TURNOVER	
				8 HOURS	10 HOURS
Residential	C100S	100 ft² / 9.29 m²	100 GPM / 379 LPM	48,000 gal / 182 kl	60,000 gal / 227 kl
	C150S	150 ft² / 13.94 m²	120 GPM / 455 LPM	57,600 gal / 218 kl	72,000 gal / 273 kl
	C200S	200 ft² / 18.58 m²	120 GPM / 455 LPM	57,600 gal / 218 kl	72,000 gal / 273 kl
Public	C100S	100 ft² / 9.29 m²	38 GPM / 142 LPM	18,240 gal / 68 kl	22,800 gal / 85 kl
	C150S	150 ft² / 13.94 m²	56 GPM / 213 LPM	26,880 gal / 102 kl	33,600 gal / 128 kl
	C200S	200 ft² / 18.58 m²	75 GPM / 284 LPM	36,000 gal / 136 kl	45,000 gal / 170 kl

*Based on lock ring—width at base is 13" (330mm).

**Determined by pump size and piping system hydraulics; 2" piping is recommended for flow rates of 90 GPM (341 LPM); Residential Design Flow rates based on 1 GPM/ft²; Public Design Flow rates based on 0.375 GPM/ft² (15.26 LPM/m²)

» hayward.com » 1-888-HAYWARD

SwimClear Filters are listed by:



Pumps » Filters » Heating » Cleaners » Sanitization » Automation » Lighting » Water Effects » White Goods

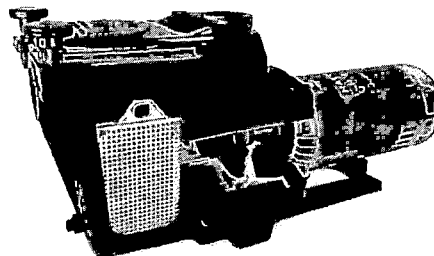


PROVEN PERFORMANCE FOR POOLS OF ALL SIZES AND TYPES.

Hayward® Super Pump® medium-head pumps set the industry standard for excellence and value. Their heavy-duty, high-performance motor and airflow ventilation provide quieter, cooler, more efficient operation for virtually any pool or spa, while their exclusive service-ease design offers quick 4-bolt access to all internal components. With these and other advanced features, it's easy to see why Super Pump is the best-selling medium-head pool pump in the world.

KEY FEATURES

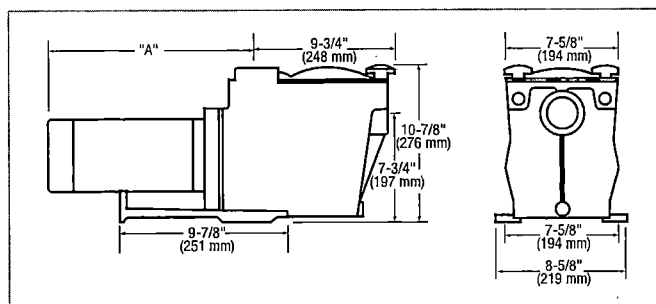
- » **Exclusive swing-away hand knobs** make for easy strainer cover removal without tools
- » **See-through strainer cover** lets you see when the basket needs cleaning
- » **Extra-large debris basket** provides added leaf-holding capacity for less frequent maintenance



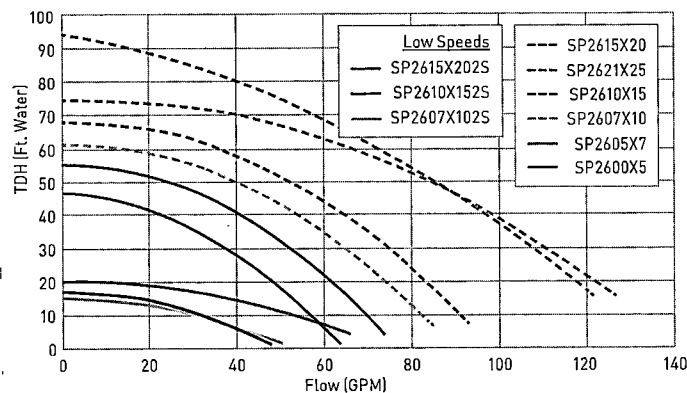
SPECIFICATIONS

MODEL NUMBER	HORSEPOWER			PIPE SIZE	DIMENSION "A"
	TOTAL HP	HP	SERVICE FACTOR		
Standard Efficient Max-Rated Single Speed					
SP2600X5	0.60	½	1.20	1½ in	13¼ in / 337 mm
SP2605X7	0.75	¾	1.00	1½ in	13⅞ in / 352 mm
SP2607X10	1.10	1	1.10	1½ in	14¼ in / 362 mm
SP2610X15	1.50	1½	1.00	1½ in	15⅞ in / 391 mm
SP2615X20	2.00	2	1.00	2 in	15⅞ in / 403 mm
SP2621X25	2.50	2½	1.00	2 in	16⅞ in / 416 mm
Standard Efficient Max-Rated Dual Speed					
SP2607X102S	1.00	1	1.00	2 in	13 in / 330 mm
SP2610X152S	1.50	1½	1.00	2 in	13¼ in / 349 mm
SP2615X202S	2.00	2	1.00	2 in	14¼ in / 362 mm

SUPER PUMP SERIES DIMENSIONS (INCHES)



SUPER PUMP FLOW VS. TOTAL HEAD



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Super Pump series pumps are listed by:



Pumps » Filters » Heating » Cleaners » Sanitization » Automation » Lighting » Water Effects » White Goods

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LITSUPER17





Fence Specifications



WHAT IS ASTM F964-13?

Scope

ASTM F964-13 is considered the "end all, beat all" testing specification for vinyl fence. The purpose of this specification is to establish a recognized standard of quality for exterior vinyl profiles for use in assembling agricultural, commercial, and residential fencing and railing. This specification covers Illusions Vinyl Fence sections and the EverStrong Profiles[®] used to fabricate them.

Materials

Illusions Vinyl Fence Products are manufactured using Rigid Poly Vinyl Chloride (PVC) compounds for exterior-profile extrusions that meet the requirements of ASTM Specification D4216.

Manufacture

Illusions Vinyl Fence Products are manufactured to meet cell Class 3-30233-23 as defined in Specification D4216. Illusions compounds have higher cell classification because one or more properties are superior to those used in standard acceptable compounds.

Color/Consistency Testing – The PVC compound in extruded section shall maintain uniform color and be free of any visual surface or structural changes, such as peeling, chipping, cracking, flaking, or pitting after weathering at intervals of six months and one year for white and for six months, one year, and two years for all other colors in hot, dry climate such as Phoenix, AZ; a hot humid climate, such as Miami, FL; and a temperate northern climate, when tested in accordance with ASTM Performance Weathering Requirements (TABLE 1).

Weathering Testing – The PVC compound shall have a minimum impact resistance of 0.6 in.-lb./mil (2670 J/m) after weathering six months and one year in a hot, dry climate such as Phoenix, AZ; a hot, humid climate, such as Miami, FL; and a temperate northern climate, when tested in accordance with ASTM Performance Weathering Requirements. The PVC compound shall have successfully met the weathering requirements prescribed for six months at each climatic testing site prior to use in production of exterior-profile extrusions, when tested in accordance with ASTM Performance Weathering Requirements (TABLE 1).

ASTM Specifications Met

D256 - To determine Izod impact properties
 D618 - Practice for Conditioning Plastics for Testing
 D635 - Test Method for Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position
 D638 - To determine tensile properties
 D648 - To determine heat distortion temperature
 D696 - Test Method for Coefficient of Linear Thermal Expansion of Plastics Between 030°C and 30°C with a Vitreous Silica Dilatometer
 D790 - To determine flexural properties
 D792 - To determine specific gravity
 D883 - Terminology Relating to Plastics
 D1435 - Practice for Outdoor Weathering of Plastics
 D1600 Terminology for Abbreviated Terms Relating to Plastics
 D1784 - Specification for Rigid Poly (Vinyl Chloride) (PVC) Compounds and Chlorinated Poly (Vinyl Chloride) (CPVC) Compounds
 D1898 - Practice for Sampling of Plastics
 D2240 - To determine Shore hardness values
 D2244 - Practice for Calculation of Color Tolerances and Color Differences from Instrumentally Measured Color Coordinates
 D2565 - Practice for Xenon-Arc Exposure of Plastics Intended for Outdoor Applications
 D4216 - Material Class Number 1-32333-3. To establish Cell Classification of PVC material. Illusions compounds have higher cell classification because one or more properties are superior to those used in standard acceptable compounds
 D4226 - Test Methods for Impact Resistance of Rigid Poly-(Vinyl Chloride) (PVC) Building Products
 D4726 - Specification for Rigid Poly(Vinyl Chloride) (PVC) Exterior-Profile Extrusions Used for Assembled Windows and Doors
 E-84-04 - Used to determine the flame spread value of PVC material; Illusions burn rate is significantly lower than allowed value

Quality Assurance

Illusions Vinyl Fence Products are run through dimensional tests at the startup of a production run and every two hours thereafter including flattening, extrusion quality, impact resistance, warp, color comparison with standard color samples, capstock thickness, and bond testing will be done at the startup of a production and once per shift thereafter with a minimum of two tests per 24 hours of production.

TABLE 1 - Required Exposures for PVC Extrusions - In Process

Color of PVC Extrusions	Exposure Climate	Required Exposure Times, Months*
White	hot, dry (Phoenix, AZ)	6 and 12
	hot, humid (Miami, FL)	6 and 12
	northern temperate	6 and 12
Any other color	hot, dry (Phoenix, AZ)	6, 12 and 24
	hot, humid (Miami, FL)	6, 12 and 24
	northern temperate	6, 12 and 24

*It is recommended that separate specimens be used for each exposure time.

What This Logo



The VMA (Vinyl Manufacturers Association), is the Voice of the Vinyl Fence and Railing Industry and this is their certification logo. VMA Certified Illusions Vinyl Fence products meet or exceed industry standards.

THESE ARE THE RESULTS FROM AN ACCELERATED WEATHER TESTING CHAMBER IN LABORATORY CONDITIONS

The Illusions[®] Vinyl Fence Advantage

This test is run according to ASTM Standard G-155, Cycle D1. All Illusions[®] Vinyl Fence Product is guaranteed to be made from 100% Pure Virgin Vinyl and assembled according to ASTM F964. Please note the difference in color retention and be assured, Illusions[®] Vinyl Fence will have uniform color and be free of any visual surface or structural changes such as: peeling, chipping, cracking, flaking, or pitting after weathering.

Be assured! Insist on Illusions[®] Vinyl Fence Products.

Competitor:
450 Hrs.
 (4-5 Years)

WOW!
 THAT WOULD
 COST A FORTUNE
 IN RE-INSTALLS!

Illusions[®]:
1000 Hrs.
 (10-11 Years)



The Pool & Spa Doctor LLC

1714 Hwy 35 Wall, NJ 07719

(732) 681-0532 office (732) 681-0543 fax

contact@thepoolandspadoc.com

www.poolandspadocnj.com

LIC# 13VH01117900

" No Problem too Deep! "

TO: (732) 262-2941 Mr. Pat Callanan.	FROM: Michael Strubic
DATE: 5/15/2019	PAGES: 2.
SUBJECT: Equipotential Bond Grid.	

COMMENTS:

Judy Gahr
86 Oak Knoll Rd
Brick.

Block 1033.03

Lot 23

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Pool Size: 10' X 20'
Pool Shape: RECTANGLE
Pool Number: PRT16014

Equipotential
Bond Grid

250 Route 61 South, Schuylkill Haven, PA 17972 • 570-385-4733 • fax: 570-385-1318 • CustomerService@CardinalSystemsinc.com

Bill of Materials

PART NO.	QUANTITY	DESCRIPTION
A FRAME	7	*A* FRAME ASSEMBLY
CS902SA	2	90 DEG CORNER ANGLE
CS902SB	2	6" RAD CORNER FILLER "BIG VEE"
STEP	1	10' POURED STEP/BENCH W/LINER TRACK W/SCREED EDGE-NEW STYLE
5S42100XXX0	2	1' Straight PANEL W/O Z
5S42260XXX0	1	2'-6" Straight PANEL W/O Z
5S42560XXX0	1	5'-6" Straight PANEL W/O Z
5S42800LCN2	1	8' Straight PANEL W/2 Z WITH LIGHT
5S42800XXX2	3	8' Straight PANEL W/2 Z

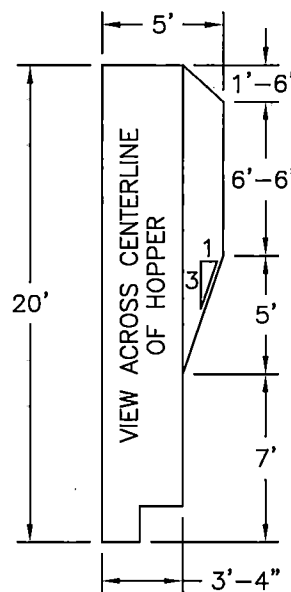
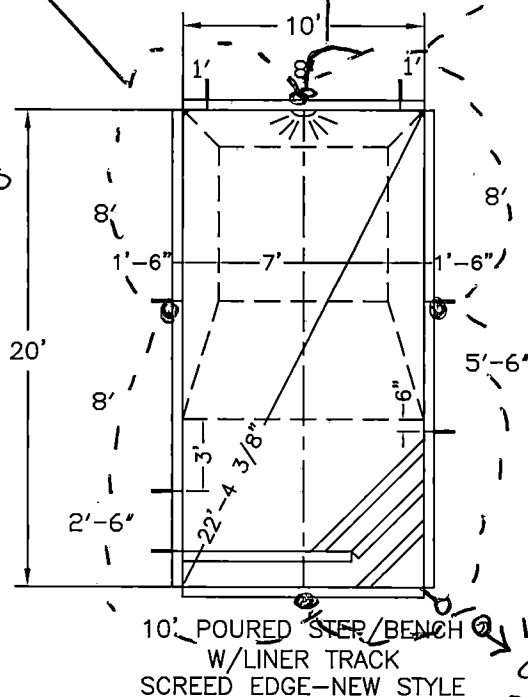
86 Oak Knoll Rd
Block - 1033.03
Lot 23

#8 bare
Copper
wire.
18' out
from pool
wall
connected
in (4) spots
4" Below
Grade.

Pool light niche
Bonded.

Equipment

Connected to
pool Equip.



10' POURED STEP/BENCH
W/LINER TRACK
SCREED EDGE-NEW STYLE
Ladder
cups (2)
Attached
to pool then
to Grid.

NOTE: THIS IS A NON-DIVING POOL

Date: 4/10/2019

Perimeter: 60'-0"

Drawn By: PHIL K

Area: 200.0 SQ FT

Scale: 1/8" = 1'-0"

Notes: POOL & SPA DR./GAHR



CardinalSystemsinc.com

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Pool Size: 10' X 20'
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Equipotential
 Bond Grid

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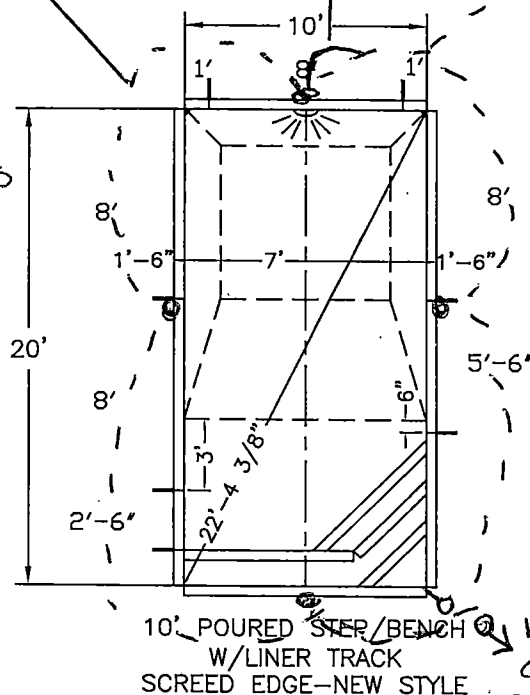
86 Oak Knoll Rd
 Block 1033.03
 Lot 23

#8 bare
 Copper
 wire.
 18" out
 from pool
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 connected
 in (4) spots
 4" Below
 Grade.

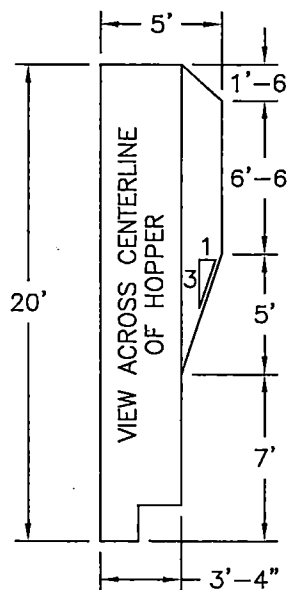
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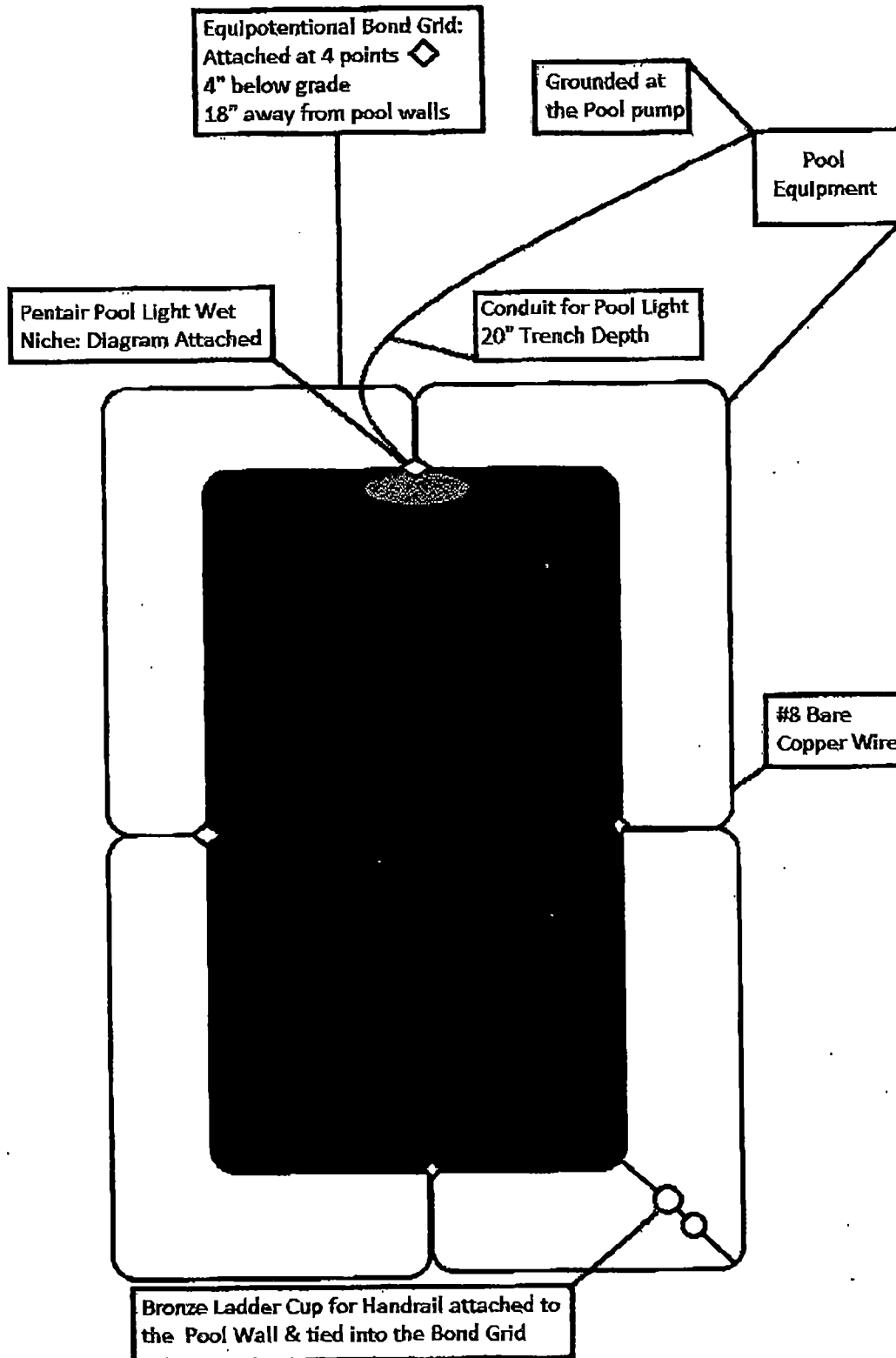
Equipotential Bond Grid

Judy Gahr

86 Oak Knoll Rd Brick, NJ 08724

Block 1033.03

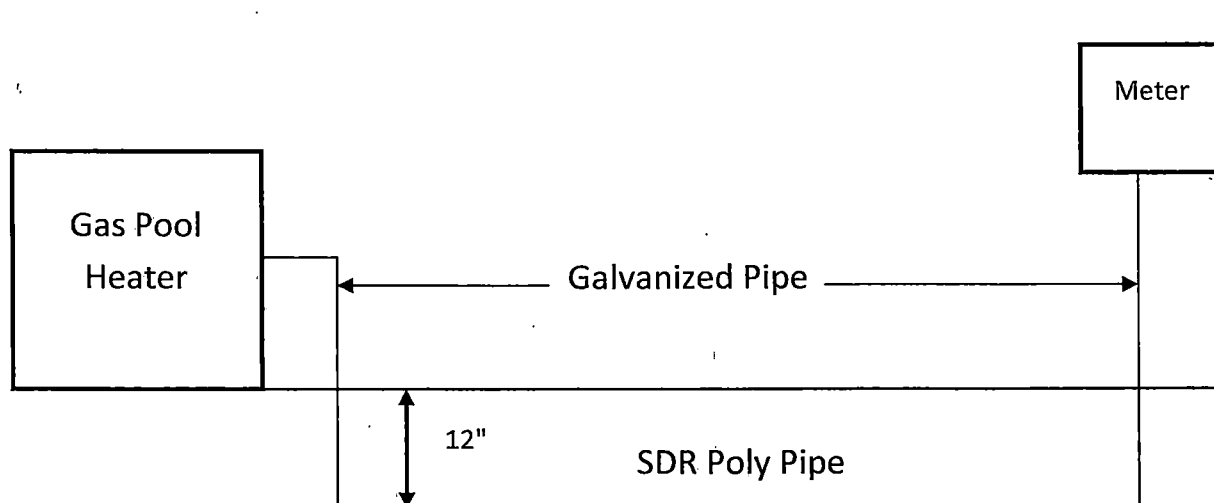
Lot 23



- Specializing In:
- Installation
 - Liner & Cover Installation
 - Troubleshooting
 - Diagnosis & Repair
 - Residential & Commercial



1714 Hwy 35
Wall, NJ 07719
Office: (732) 681-0532
Fax: (732) 681-0543
Contact@thepoolandspadoc.com
www.poolandspadocnj.com
LIC# 13VH0117900



Block: 1033.03 Lot: 23

Name: Gabe

Address: 86 Oak Knoll Rd Brick

Heater: Hayward Universal BTU: 200k BTU

Length of Run: 120' Pipe Size: 1 1/4'

PLUMBING
MAY 13 2010
APPROVED

1. 2. 3.

Specializing In:

- Installation
- Liner & Cover Installation
- Troubleshooting
- Diagnosis & Repair
- Residential & Commercial



1714 Hwy 35

Wall, NJ 07719

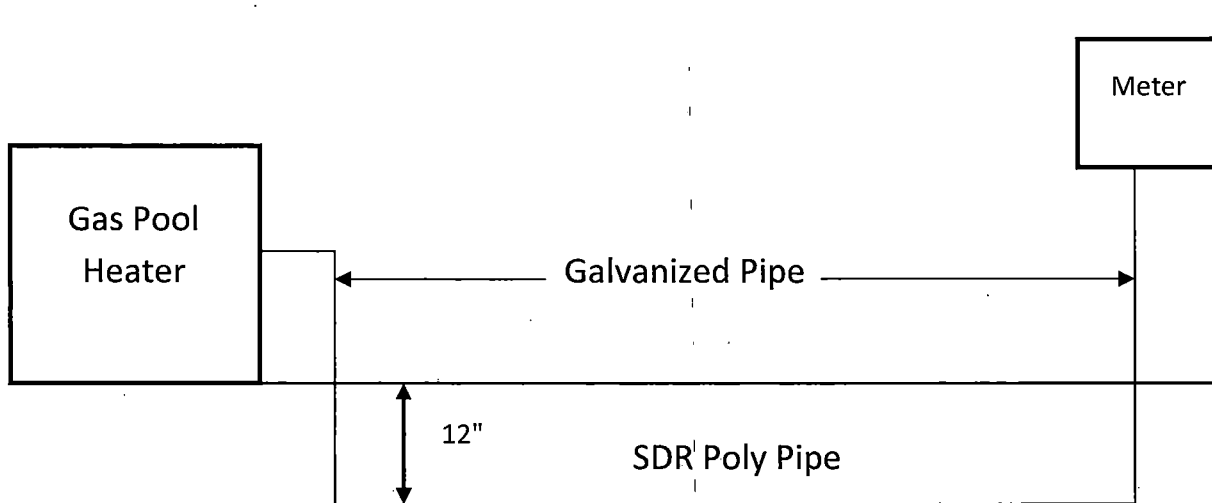
Office: (732) 681-0532

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www.poolandspadocnj.com

LIC# 13VH01117900



Block: 1033.03 Lot: 23

Name: Gabe

Address: 86 Oak Knoll Rd Brick

Heater: Hayward Universal BTU: 200k BTU

Length of Run: 120' Pipe Size: 1 1/4'

PLUMBING
MAY 13, 2019
APPROVED

State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs

THIS IS TO CERTIFY THAT THE
Board of Exam. of HVACR Contractors

HAS LICENSED

Stephen G. Irons
3500 Sunset ave unit A-6
07712
Ocean NJ 07712

FOR PRACTICE IN NEW JERSEY AS A(N): Master HVACR Contractor

06/14/2018 TO 06/30/2020

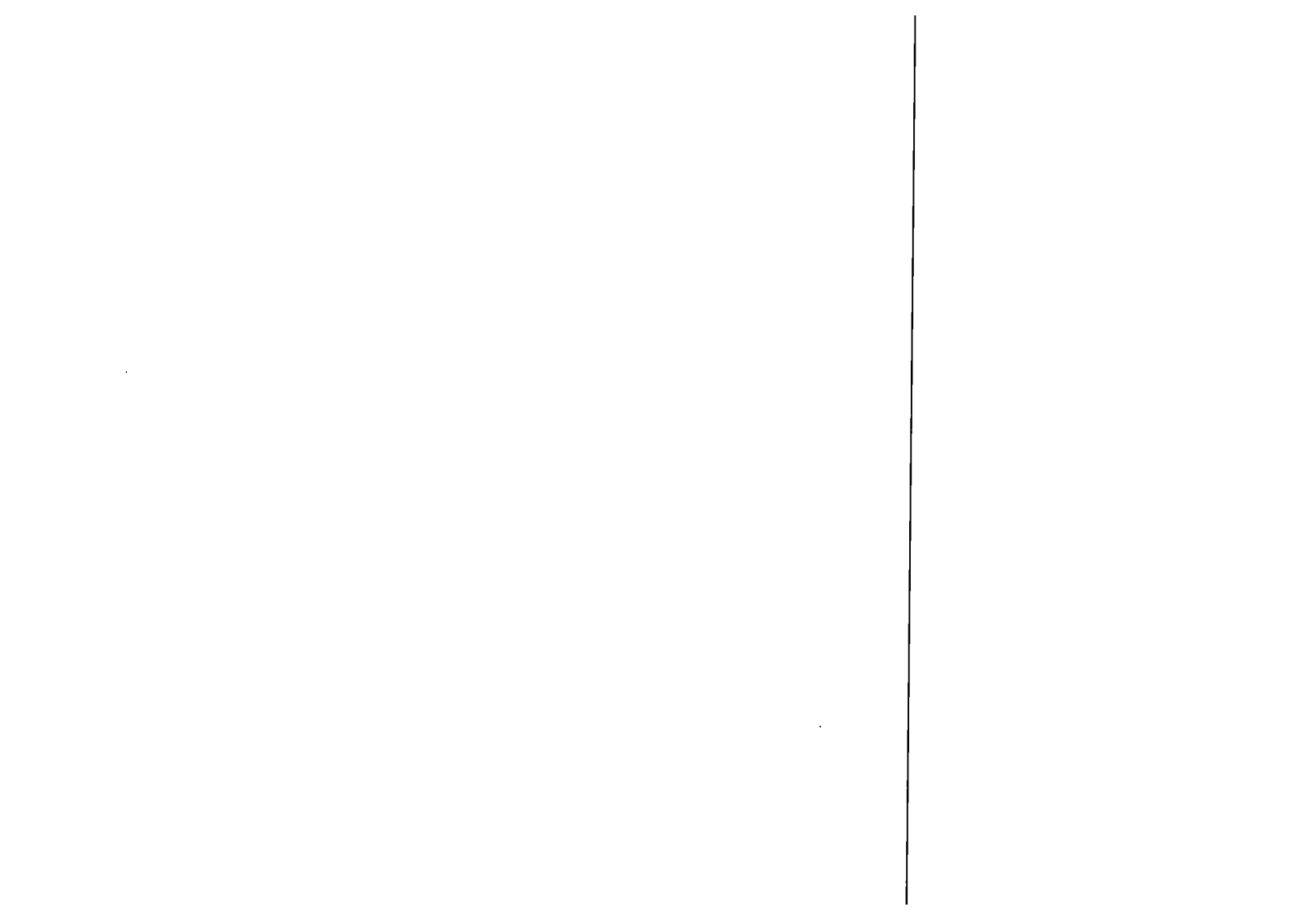
VALID

Signature of Licensee/Registrant/Certificate Holder

19HC00570500

LICENSE/REGISTRATION/CERTIFICATION #

ACTING DIRECTOR



Township of Brick

INGROUND POOL

REVISED 08/29/2018

1. Construction jacket signed & completed – Front and inside of jacket.	Yes ☒	No ☐
2. Zoning application completely filled out (All Sections)	Yes ☒	No ☐
3. Engineering form completely filled out (All Sections)	Yes ☒	No ☐
4. Four true size SEALED plot plans to scale showing all dimensions & setbacks of existing and proposed structures and grading.	Yes ☒	No ☐
5. Building and Electric Tech must be completely filled out. Electric may require seal.	Yes ☒	No ☐
6. Two (2) Electrical plans must provide line drawing of field wiring showing conduit & wire sizes, motors, timers, sub-panels and other associated equipment. Include grounding and bonding.	Yes ☒	No ☐
7. Plumbing Tech must be filled out for the main drains.	Yes ☒	No ☐
8. Mechanical Tech must be completed if installing a pool heater & gas piping. Seal may be required. Include two gas sketches for pool heater. Must be a licensed plumber or HVAC contractor.	Yes ☒	No ☐
9. Brochure for the filter and pool heater	Yes ☒	No ☐
10. Copy of a current Home Improvement Contractor Registration (If work is being completed by a contractor)	Yes ☒	No ☐
11. Pool certification must be completed and notarized.	Yes ☒	No ☐
12. Two (2) sealed pool plans by licensed design professional	Yes ☒	No ☐

***If requesting a variation for sharing pool barriers with neighbors please ask for the variation procedure packet.**

NOT AN
ELECTRICIAN'S
OR PLUMBER'S
LICENSE

State Of New Jersey
New Jersey Office of the Attorney General
Division of Consumer Affairs

THIS IS TO CERTIFY THAT THE
Division of Consumer Affairs

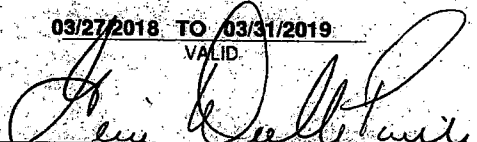
HAS REGISTERED

THE POOL & SPA DOCTOR, LLC
Geraldine Della Pietro
1714 Highway 35
Wall NJ 07719

FOR PRACTICE IN NEW JERSEY AS A(N): Home Improvement Contractor

03/27/2018 TO 03/31/2019

VALID


Signature of Licensee/Registrant/Certificate Holder

13VH01117900

LICENSE/REGISTRATION/CERTIFICATION #


ACTING DIRECTOR

ENGINEERING PERMIT APPLICATION

RECEIVING CLERK: CU

PERMIT #:

PR-19-00634BLOCK: 1033.03 LOT: 23 ADDRESS: 86 Oak Dr. Brick**IDENTIFICATION:**

1. WORK SITE ADDRESS: 86 Oak Dr. Brick 08724
2. NAME OF OWNER IN FEE: JUDY GAHR
ADDRESS: 86 Oak Knoll Dr. PHON [REDACTED]
Brick NJ 08724 FAX #: ()
3. PRINCIPAL CONTRACTOR: The Pool and Spa Doctor LLC
ADDRESS: 1714 Hwy 35 PHONE #: (732) 681-0532
Wall NJ 07719 FAX #: (732) 681-0543
4. ARCHITECT OR ENGINEER: denson Design
ADDRESS: 1516 Hwy 71 PHONE: # ()
5. RESPONSIBLE PERSON FOR WORK: Michael Struble
ADDRESS: 1714 Hwy 35 Wall NJ 07756
PHONE #: () 0532 FAX #: () 0543 E-MAIL: contact@the
spadoc.com

PROJECT DESCRIPTION: ☐ GRADING/CLEARING ☐ ROAD OPENING
☐ SOIL REMOVAL/FILL ☐ RETAINING WALL ☒ POOL
☐ BULKHEAD/DOCK ☐ DWELLING ☐ TREE REMOVAL
☐ OTHER _____
LENGTH: 10 WIDTH: 20 HEIGHT: _____

FEE SUMMARY:

APPLICATION FEE: \$ 200.00
REVIEW FEE: \$ _____
INSPECTION FEE: \$ _____
OTHER: \$ _____
BOND(S): \$ _____
TOTAL: \$ 200.00

SPECIAL CONDITIONS:

OCEAN COUNTY SOILS: _____
DRAINAGE EASEMENTS: _____
UTILITY EASEMENTS: _____
CONSERVATION EASEMENTS: _____
FEMA REQUIREMENTS: _____
D.E.P. PERMITS: _____
BOARD APPROVAL: ☐ PB ☐ ZB
APPLICATION NUMBER: _____
APPROVED DATE: _____

ENGINEERING REVIEW:

DATE RECEIVED: 5/7/19 DATE REJECTED: _____ DATE APPROVED: 5/10/18 INITIALS: ecc

Lot Area: 11,445 ± s.f.
Existing Lot Coverage:
Dwelling: 1,916 ± s.f.
Front Walkway: 278 ± s.f.
A/C Unit: 6 ± s.f.
Driveway: 725 ± s.f.
Rear & Side Paver Patio Areas: 750 ± s.f.
Shed: 105 ± s.f.
Total of Existing: 3,780 ± s.f. (33.0%)
Proposed Lot Coverage:
Pool: 200 ± s.f.
Pool Equipment: 12 ± s.f.
Pool Concrete/Coping: 216 ± s.f.
Total of Proposed: 428 ± s.f.
Total Lot Coverage Proposed: 4,208 ± s.f. (36.8%)

PROPOSED 4' HIGH MIN. POOL COMPLIANT FENCES WITH SELF-LATCHING GATES

APPROVED FOR ZONING
S-6-19 Pool & Fence
CHRIS ROMANO, ZONING OFFICER

FEMA BASE FLOOD ZONE X - NO ELEVATION
BASED ON THE FIRM MAP 34029C0203F DATED 9-29-06

(FEMA BASE FLOOD ZONE X - NO ELEVATION
BASED ON THE FIRM MAP 34029C0203G
PRELIMINARY DATED 3-28-14)

PROP. POOL COPING ELEV. = 99.5
(SLOPE SIDEWALK AWAY FROM POOL AT 1/4" PER FOOT)
BENCH MARK AT THE FINISHED FLOOR ELEV. = 100.0
(POOL COPING SHALL BE 6" BELOW THE FINISHED FLOOR ELEVATION)

NOTICE

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ALL RIGHTS RESERVED

WILLIAM E. JENSEN, JR.
N.J. PROFESSIONAL ENGINEER, LIC. No. 44521



CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AWAY FROM FOUNDATION AND AROUND THE POOL

NO.	DATE	REVISION
1	5-1-19	REVISED FENCE LOCATION

JG JENSEN DESIGN GROUP
ENGINEERING • PERMITTING • FIELD SERVICES • FORENSIC INVESTIGATION
1933 State Highway 35 • Suite #301-341 • Wall, NJ 07719
732-256-9358
www.JENSENDG.com
Certificate of Authorization No. 24GA28251100

GAHR
POOL GRADING PLAN
86 OAK KNOLL DRIVE
BLOCK 1033.03 - LOT 23
TOWNSHIP OF BRICK, OCEAN COUNTY, NJ

PROJECT NO
19101-E
SCALE
1"=20'
DATE
3-18-19
CHECKED BY
HJR
SHEET NO.
1 of 1

GENERAL NOTES:

- PROPERTY BEING KNOWN AS BLOCK 1033.03, TAX LOT 23 WITHIN THE TOWNSHIP OF BRICK.
- BOUNDARY AND EXISTING CONDITIONS INFORMATION IS BASED UPON A PLAN ENTITLED "SURVEY OF PROPERTY PREPARED FOR LOT-23, BLOCK-1033.03 SITUATED IN BRICK TOWNSHIP, OCEAN COUNTY, NJ", PREPARED BY ROBERT S. YURO ASSOCIATES, INC., SIGNED BY ROBERT S. YURO, PLS #19463, DATED 9-18-18, WHICH WAS PROVIDED BY THE HOMEOWNER. THE HOMEOWNER WILL HOLD JENSEN DESIGN GROUP, LLC AND ITS CONSULTANTS HARMLESS FOR ANY INACCURACIES IN THE SURVEY.
- THE ELEVATIONS WERE OBTAINED BY THE SURVEYOR AT LEEPER LAND GROUP, LLC DURING THE WEEK OF 3-14-19.
- THIS SET OF PLANS HAS BEEN PREPARED FOR THE PURPOSE OF MUNICIPAL AND AGENCY REVIEW AND APPROVAL.
- THE CONTRACTOR SHALL VERIFY ALL INFORMATION TO THEIR SATISFACTION PRIOR TO EXCAVATION, AND NOTIFY NJ ONECALL AS REQUIRED BY LAW. ANY UTILITIES SHOWN ARE PER VISUAL OBSERVATION OF PHYSICAL FEATURES AND/OR EXISTING MARK-OUT AND LOCATIONS ARE APPROXIMATE. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES OR STRUCTURES PRIOR TO EXCAVATION.
- THE HOMEOWNER SHALL ENSURE THE EXISTING FENCE IS POOL COMPLIANT WITH SELF-LATCHING AND CLOSING GATE. FENCE AND ALL OTHER CONSTRUCTION SHALL COMPLY WITH THE 2015 INTERNATIONAL RESIDENTIAL CODE.
- ALL ELECTRICAL EQUIPMENT MUST COMPLY WITH AND BE LOCATED IN COMPLIANCE WITH THE NATIONAL ELECTRICAL CODE.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES FROM DAMAGE AND/OR FAILURE BY ACCEPTABLE METHODS, AS MAY BE REQUIRED BY OSHA OR OTHER REGULATORY AGENCIES.
- THE POOL CONTRACTOR AND PROPERTY OWNER SHALL VERIFY THE POOL LAYOUT AND ALL DIMENSIONS PRIOR TO CONSTRUCTION.
- THE PROPERTY OWNER IS RESPONSIBLE FOR ANY NECESSARY ENVIRONMENTAL AND TREE CLEARING PERMITS.
- BY USE OF THIS POOL GRADING PLAN FOR THE PURPOSE OF OBTAINING A PERMIT TO CONSTRUCT, THE PROPERTY OWNER AND POOL COMPANY AGREE TO THE PROPOSED POOL LOCATION, CONCRETE, OPERATING EQUIPMENT AND GRADING ASSOCIATED WITH THE PROPOSED SWIMMING POOL. ANY DEVIATION FROM THIS PLAN SHALL BE THE SOLE RESPONSIBILITY OF THE HOMEOWNER FOR COMPLIANCE WITH ALL REGULATORY REQUIREMENTS.
- EXISTING FENCING AND/OR STRUCTURES, IF ANY, SHALL NOT BE UTILIZED TO LOCATE THE PROPOSED POOL.
- IT IS THE INTENT OF THESE PLANS TO PROVIDE 1% MINIMUM AND 3:1 MAXIMUM GRADING PROVIDED IN AREAS THAT ARE TO BE DISTURBED BY THE POOL CONSTRUCTION.
- POOL PROTECTIVE FENCING SHALL COMPLY WITH THE TOWNSHIP REQUIREMENTS AND BUILDING CODES. FENCE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE FENCE PURSUANT TO THE MANUFACTURE'S SPECIFICATIONS.
- THIS POOL LOCATION PLAN IS TO BE UTILIZED ONLY FOR THE CONSTRUCTION OF AN IN-GROUND SWIMMING POOL.
- CONTRACTOR SHALL NOTIFY THE UNDERSIGNED PROFESSIONAL IMMEDIATELY IF ANY FIELD CONDITIONS ENCOUNTERED DIFFER MATERIALLY FROM THOSE REPRESENTED HEREON AND/OR IF SUCH CONDITIONS, IN THE CONTRACTOR'S OPINION WOULD OR COULD RENDER THE DESIGN SHOWN HEREON INAPPROPRIATE OR INEFFECTIVE.
- THIS PLAN IS SUBJECT TO ALL LOCAL AND STATE REGULATORY PERMITS, AGENCY REVIEW AND APPROVAL.
- ANY DEVIATION FROM THIS PLAN, REQUESTED OR PERFORMED, BY THE HOMEOWNER, IS SOLELY THE HOMEOWNER'S RESPONSIBILITY AND COST.
- THE PUBLIC SIDEWALK AND CURB AT THE STREET MUST BE REPLACED WITH 4,500 PSI CONCRETE IF DAMAGED DURING THE POOL CONSTRUCTION ACTIVITIES. IF CURB OR SIDEWALK REPLACEMENT IS NECESSARY THAN A ROAD OPENING PERMIT WILL BE REQUIRED.
- THE POOL FILTER SYSTEM WILL BE A CARTRIDGE SYSTEM WITH NO BACKWASH REQUIRED.
- THE PROPOSED IMPROVEMENTS WILL NOT IMPACT ADJACENT PROPERTIES AND ALL DISTURBANCE AND GRADING WILL BE LIMITED TO WITHIN THE BOUNDARIES OF THE PROPERTY.
- THE ENTIRE PROPERTY IS DEVELOPED WITHIN A RESIDENTIAL NEIGHBORHOOD, AS SUCH NO WETLANDS EXIST ON THE PROPERTY.
- ALL CONSTRUCTION ACTIVITIES SHALL BE MAINTAINED WITHIN THE LIMITS OF DISTURBANCE AND NO CONSTRUCTION MATERIAL SHALL BE STORED WITHIN THE PUBLIC RIGHT-OF-WAY.
- ALL DISTURBED AREAS OF THE SITE SHALL BE STABILIZED IN ACCORDANCE WITH THE FREEHOLD DISTRICT'S SOIL EROSION AND SEDIMENT CONTROL STANDARDS.
- THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION AND COORDINATE ANY UTILITY RELOCATIONS WITH THE UTILITY COMPANIES.
- THE CONTRACTOR SHALL ENSURE POSITIVE DRAINAGE AROUND THE POOL, AWAY FROM THE DWELLING AND TOWARDS THE NATURAL DRAINAGE AREAS.
- IT IS RECOMMENDED THAT THE HOMEOWNER AND /OR CONTRACTOR HAVE A LICENSED SURVEYOR STAKEOUT THE PROPOSED IMPROVEMENTS PRIOR TO CONSTRUCTION TO ENSURE IMPROVEMENTS ARE NOT WITHIN ANY EASEMENTS OR SETBACK AREAS.

LEGEND

--- 104 --- = EXIST. CONTOUR --- 128 --- = PROPOSED CONTOUR
--- 99.5 --- = EXIST. SPOT ELEVATION --- = DIRECTION OF OVERLAND FLOW
--- 99.5 --- = PROPOSED SPOT ELEVATION M.B.S.L. = MINIMUM BUILDING SETBACK LINE