

CONSTRUCTION PERMIT APPLICATION

C-16-003971

1. Proposed Work Site at: 451 16th AVE BRICK NJ 08724

2. Name of Owner in Fee: THIRU C. RAJA

2. Name of Owner in Fee: THIRU C. RAJA

e-mail

Address 451 16th Ave Belick NJ 08724

3. Ownership in Fee: ☒ Public ☐ Private ☐ Municipality ☐ Zip code

4. Principal Contractor: JUDITH RAI'A (HOMEOWNER)

Address 451 16th AVE e-n
BRICK NJ 08724

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

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

Federal Emp. ID No. _____ FAX: (_____) _____

5. Architect or Engineer _____ Contact _____

Address _____ e-mail _____

Tel. () FAX: ()

6. Responsible Person in Charge once Work has Begun JUDITH C. RAI A

Tel: _____ FAX: (_____) _____

Update	Update
--------	--------

- | | Amount | Exemptions |
|-----------------------------------|---------|------------|
| 1. Building | \$ 1200 | |
| 2. Electrical | | |
| 3. Plumbing | 1160 | |
| 4. Fire Protection | 150 | |
| 5. Elevator Devices | | |
| 6. Subtotal | | |
| 7. Less 20% for State Plan Review | \$ | |
| 8. Subtotal | \$ | |
| 9. State Permit Surcharge Fee | 13 | |
| 10. Subtotal | \$ 30 | |
| 11. Cert. of Occupancy | | |
| 12. Other | | |
| TOTAL | \$ 349 | |

(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 _____

☒ Minor Work

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

(Check all that apply)

- ☐ Building
- ☐ Electrical
- ☒ Plumbing
- ☐ 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		Re-viewer
						Approval	Rejection	
	LIT	8/15/16						
				7-12-16	AK			
			8/25/16		ES			
	Ena Exempt			8/23/16	ECC			

TOTAL COST

III. PLAN REVIEW (optional)

DO YOU WANT:

- ☐ Partial Releases
- ☐ Prototype Processing

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

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

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 |

Violation

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

Judith C. Rana

Date

7/21/11

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

Judith C. Rana

Address

*451 15th Ave
Brick, NJ*

Telephone

(734) 840-1468

Signature

Judith Rana

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 7/13/2017
Control Number C-16-003971
Permit Number 16-3756
Permit Issue Date 10/29/2016
Certificate Number 16-3756

Certificate

Construction Code Division

(Certificate of Approval)

Identification

Work Site Location: 451 16TH AVE. Brick Township, NJ Block: 1082.94 Lot: 1.01 Qual: _____
Owner in Fee: RAIA, CATHERINE & JUDITH
Owner Address: 451 16TH AVE BRICK NJ 08724
Telephone: [REDACTED]
Contractor RAIA, CATHERINE & JUDITH
Address 451 16TH AVE BRICK NJ 08724
Telephone: [REDACTED] Fax: _____
License Number or Builders Registration Number: _____ Federal Emp. Number: _____

Home Warranty Number: _____

Type of Warranty Plan: ☐ State ☐ Private

Use Group: R-5 Construction Classification: _____

Maximum Live Load: 0 Maximum Occupancy Load: 0

Description of Work/Use: GAS LINE FOR OUTDOOR GRILL, GAS PIPING ...AND FIREPIT

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:

Construction Official

Fee: \$0.00

Check Number: _____

Collected By: _____

WESTWOOD

PLACE

10121 E-11

N44°-16'-25" E deqd

400.00'

N 45°-42'-35" W - 100.00'

N44°-16'-25" E - 100.00'

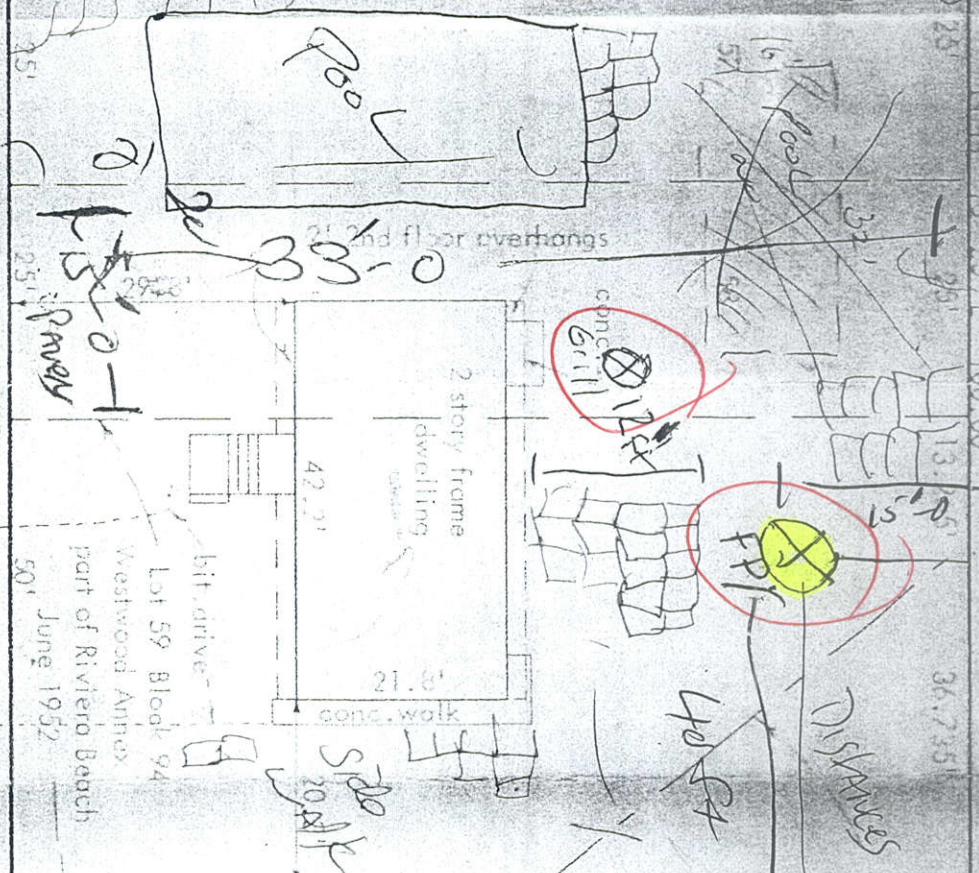
S 44°-16'-25" W - 100.00'

SIXTEENTH

1082-94

AVENUE

(30')



Lot 1 Block 94
Westwood part of Riviera Beach
Section 2, July 15, 1948

APPROVED FOR ZONING ONLY
SEAN KINNEY, ZONING OFFICER

AUG 22 2016

Fire Pit & Grill

3000 sq
ft

Panel

Continued to date and certified to
Phillip Scibetta, Anna Scibetta, b/w
& Mutual Aid Savings & Loan Association,
December 23, 1963

C. W. [Signature]

Lots 57, 58, part of 59, Block 94, Westwood Annex, Part of Riviera Beach, June 1952
also part of Lot 1, Block 94, Westwood, Part of Riviera Beach, Section 2, July 15, 1948
surveyed for & certified to: R & M BUILDERS and Monosquan Savings
& Loan Association.
October 10, 1963

C. W. [Signature]
Scale: 1"=20'

L.S. 10108

10121 E-11



Universal H-Series

POOL AND SPA HEATERS

Right for so
many reasons.
Perfect for so
many applications.



Total System: Pumps | Filters | **Heating** | Cleaners | Sanitization | Automation | Lighting | Safety

HEATING

Hayward Universal H-Series Heater: Energy-efficient and universal fit for added convenience.



H150FD

Hayward is always looking for ways to make pool and spa ownership as simple and effortless as possible. The latest example of this is the new Universal H-Series pool and spa heater. Combining advanced technology with universal-fit flexibility, it's a smart choice for virtually any new installation or existing system upgrade — delivering state-of-the-industry performance, outstanding

energy efficiency, extremely low NOx emission levels and Hayward's legendary durability and reliability. Offered in 150,000, 200,000, 250,000, 300,000, 350,000 and 400,000 BTU/hr. inputs.



H250FD

Exclusive to Universal H-Series Heater



STANDARD Cupro Nickel Heat Exchanger
Totally Managed Flow provides exceptional corrosion resistance and erosion protection. Ideal for today's salt-based electronic chlorination systems.



Superior Hydraulic Performance
Industry-leading hydraulic performance saves energy by reducing circulation pump run time.



State-of-the-Art Finn Plate™ Heat Exchanger
State-of-the-industry Finn Plate™ heat exchanger with special V-groove design for faster heating and longer life.



Insulated Fire Tile® Combustion Chamber
Unlike older forms of insulation, Fire Tile securely traps the heat, delivering the most performance from each BTU.



Hot-Surface Silicon Nitride Ignition System
Exclusive silicon nitride ignition system for dependable lighting and reliable operation.

Easy installation, simple operation.

A choice of left-side or right-side electric, gas and water connections gives Universal H-Series heaters unprecedented installation flexibility. This enhanced adaptability – coupled with lightweight design, modern low-profile appearance and only front-panel access required for installation and service – ensures compatibility with virtually all new or existing systems and equipment pad conditions.



H400FD

H-Series Millivolt Heaters

Although designed for budget-conscious applications, Hayward H-Series Millivolt heaters deliver uncompromising performance and economy. A standing pilot ignition system ensures reliable lighting, and – like all H-Series heaters – they feature a Finn Plate heat exchanger and Fire Tile combustion chamber. Available in your choice of propane or natural gas models, with input capacity from 150,000 to 250,000 BTU.



Dual Voltage

Installation is simplified with voltage that adapts to either 110V or 220V.



Universal Wiring Junction Boxes

High and low voltage connections are easy and convenient with left and right side junction boxes.



Digital LED Control Panel

Electronic control/display maintains water temperature; monitors heater performance with self-diagnostic capability.



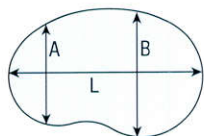
Low NOx Emissions

Environmentally responsible; complies with all current California and Texas air quality emission standards.

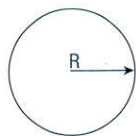
Selecting the correct size H-Series heater:

For Your Swimming Pool

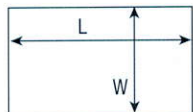
Determine your pool's surface area in square feet:



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



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



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

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

In this table, locate the surface area that is equal to or just greater than the pool's surface area. To the left of this number is the appropriate H-Series model that will fit the selected area.

For indoor pool installations, divide the pool's surface area by 3.

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

Specifications and Dimensions

Universal H-Series Heater

	H400FD	H350FD	H300FD	H250FD	H200FD	H150FD
BTU/Hr.	400,000	350,000	300,000	250,000	200,000	150,000
Width (Inches)	36"	33"	30"	28"	25"	21"
Depth (Inches)	29½"	29½"	29½"	29½"	29½"	29½"
Height (Inches)	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"
Heat Exchanger	Cupro Nickel	Cupro Nickel	Cupro Nickel	Cupro Nickel	Cupro Nickel	Cupro Nickel
Indoor Vent Pipe Diameter (Inches)	8"	8"	8"	6"	6"	6"
Heater Weight (lbs.)	160	158	145	134	123	110
Gas Connection at Heater	¾"	¾"	¾"	¾"	¾"	¾"

For Your Spa or Hot Tub

Determine your spa capacity in gallons (surface area x average depth x 7½).

The reference table lists the time required in minutes to raise the temperature of the spa/hot tub by 30°F. In the table below, locate the column with the spa/tub size in gallons that is closest to yours. Select the desired time to raise the spa/hot tub temperature 30°F, read to the left and select the appropriate H-Series model.

This guide can be adjusted for other temperature rises. For example, if you desire a 15°F increase in temperature, simply divide the time for 30°F rise by the ratio of 30/15, or 2.

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

Spa sizing is based on an insulated and covered spa. Always cover your spa or hot tub when not in use to minimize heat loss and evaporation.

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								
H400	9	14	19	23	28	33	37	42	47
H350	11	16	21	27	32	37	43	48	54
H300	12	19	25	31	37	44	50	56	62
H250	15	22	30	37	45	52	60	67	75
H200	19	28	37	47	56	66	75	84	94
H150	25	37	50	62	75	87	100	112	125



Millivolt Heaters

	H250	H200	H150
BTU/Hr.	250,000	200,000	150,000
Width (Inches)	27"	24½"	21½"
Depth (Inches)	27½"	27½"	27½"
Height (Inches)	28½"	28½"	28½"
Water Connections	1½" x 2"	1½" x 2"	1½" x 2"
Heat Exchanger	Cupro Nickel	Cupro Nickel	Cupro Nickel
Indoor Vent Pipe Diameter (Inches)	7"	7"	6"
HWS Stack Height (Inches)	17¼"	15¼"	14"
Heater Weight (lbs.)	144	141	131
Gas Connection at Heater	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 Hayward's exclusive warranty.



Efficiency. Performance. Innovation.

Whether you want to extend your swimming season or swim year-round, Universal H-Series gives you comfort with efficiency. It's the perfect addition to your Totally Hayward® System.

To take a closer look at Hayward Heaters, go to www.haywardnet.com or call 1-888-HAYWARD



620 Division Street | Elizabeth, NJ 07201

RAIA

Inside
Stone
16 1/4"

Inside of pit dirt
29" deep

Metal strips
were fire pit sits

47 3/4"
OUTSIDE

Layers
of stone

Each
4 1/2" is

3 3/4"
inside
fire pit

Top
of stone
3 1/2"

13 stone

around side of pit
15 1/2"

INSIDE of pit
young about 10"

Judith C. Ravi
Homeowner

RAIA

10/25/2016

44 1/2" tall

each stone 4 1/2" tall

44 1/2" stone

OFFICE DATE RECEIVED: _____

VIII. PRIOR APPROVALS CHECKLIST (office use only)	LOCAL APPROVAL		COUNTY APPROVAL		REGIONAL APPROVAL		STATE APPROVAL		COMMENTS
	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	
☒ Zoning Officer	MC	8/22/16							24-16-01878
☐ Planning Board									
☐ Zoning Board									
☐ Sewer Authority									
☐ Water Authority									
☐ Police Department									
☐ Health Department									
☐ Soil Conservation									
☐ N.J. Department of Community Affairs									
☐ N.J. Department of Transportation									
☐ N.J. Department of Environmental Protection									
☐ Utility Dig No.									
☐									
☐									

IX. SUBCODES AND SPECIAL REGULATIONS APPLICABLE (office use only—optional)

Name of Code & Edition	Name of Code & Edition	Other
Building _____	Energy _____	
Electrical _____	Barrier Free _____	
Plumbing _____	Flood Hazard _____	
Fire Protection _____	As Built Elevation Cert. _____	
Mechanical _____	Other _____	

X. CERTIFICATES ISSUED (office use only)

	DATE ISSUED	DATE EXPIRED	DATE REISSUED	DATE EXPIRED
☐ Temporary Certificate of Occupancy	No. _____	_____	_____	_____
☐ Temporary Certificate of Compliance	No. _____	_____	_____	_____
☐ Continued Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Compliance	No. _____	_____	_____	_____
☐ Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Approval	No. _____	_____	_____	_____
☐ Lead Abatement Clearance Certificate	No. _____	_____	_____	_____

[illegible]