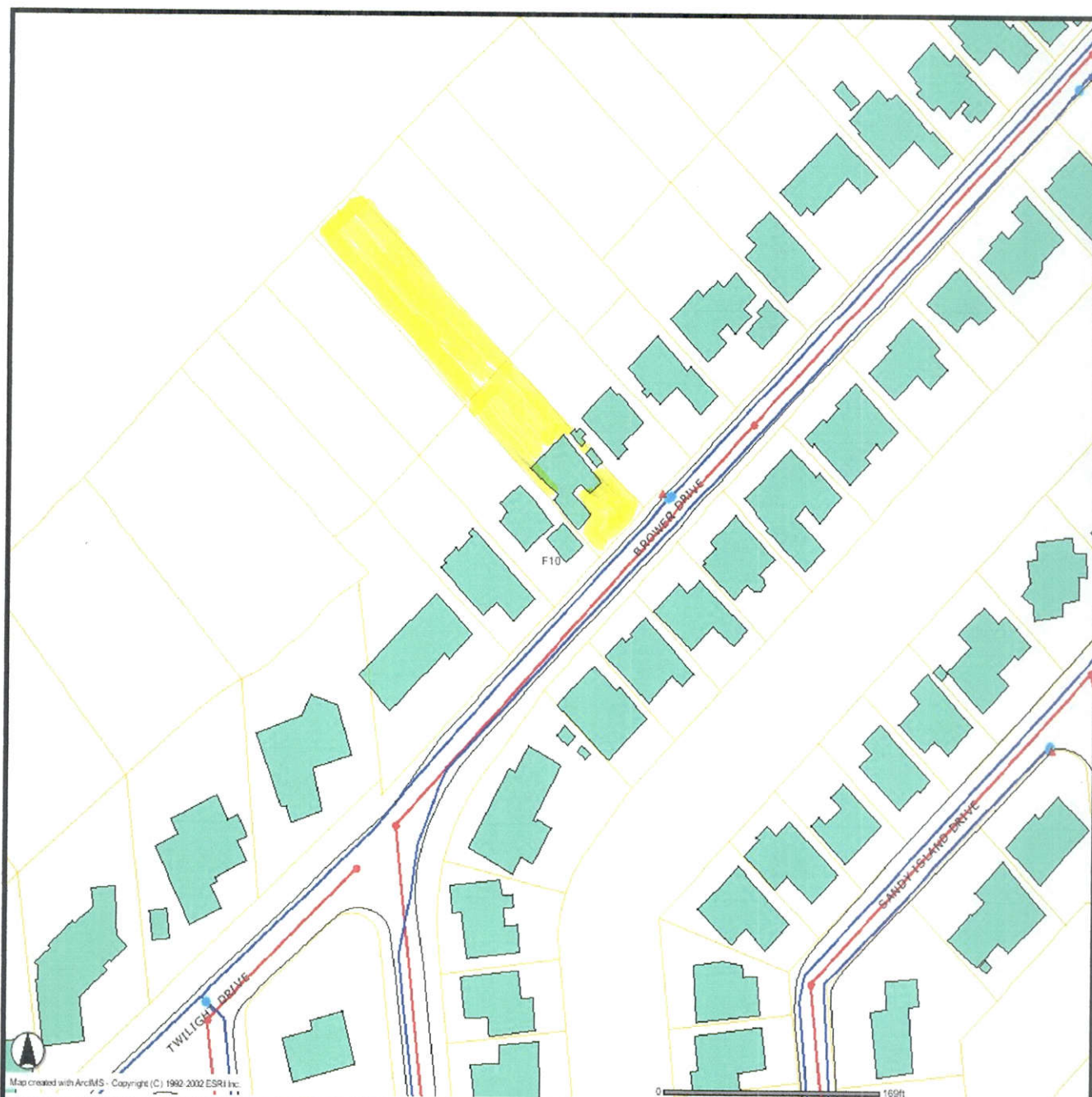




Copyright 2004
Brick Utilities GIS Division
1551 Highway 88 West
Brick, NJ 08724
(732) 458-7000



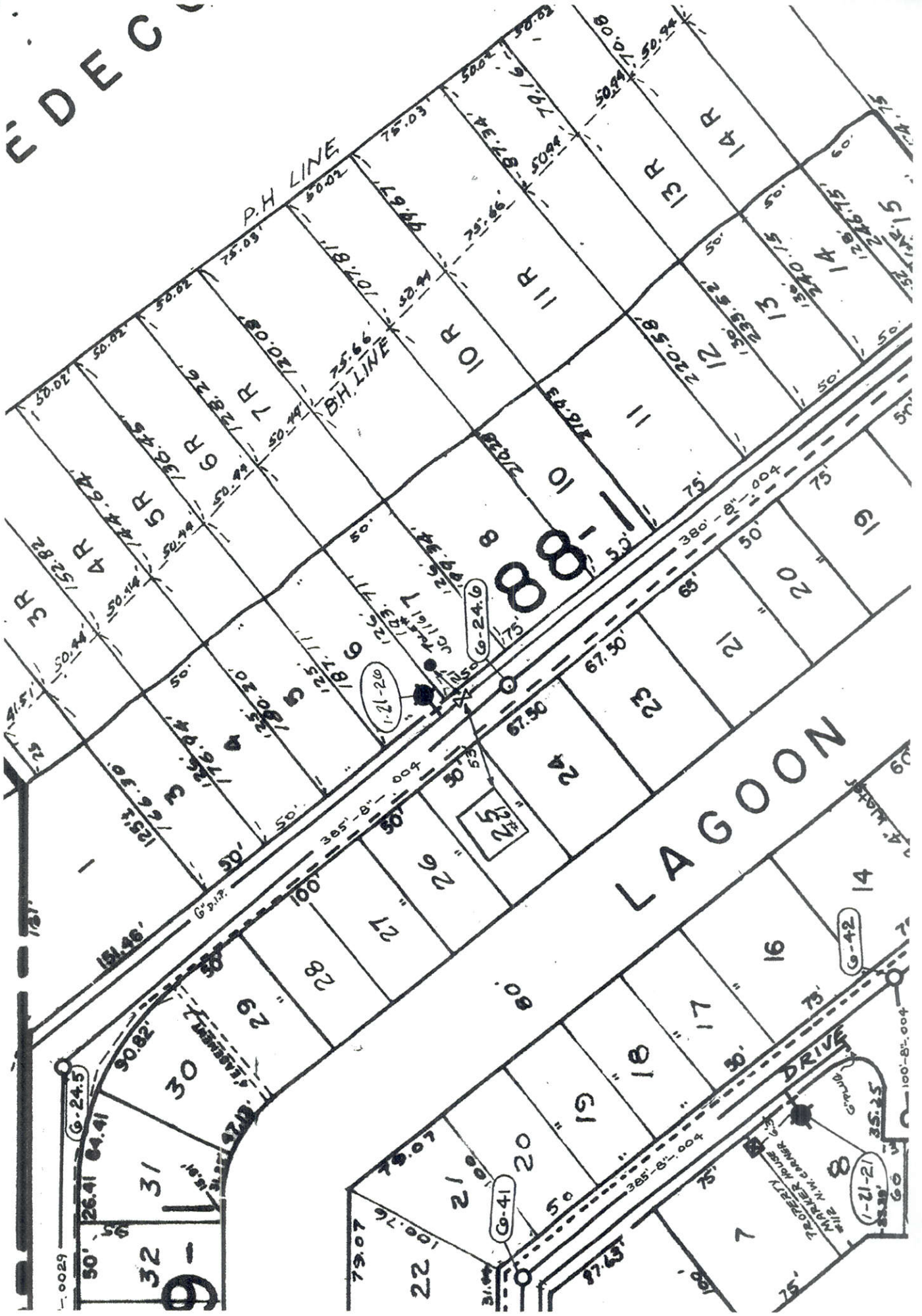
DISCLAIMER : This is a product of the Brick Utilities GIS Division. Brick Utilities expressly disclaims responsibility for damages or liability that may arise from the use of this map.

PROPRIETARY INFORMATION: Any resale of this information is prohibited, except in accordance with a licensing agreement.

- Legend**
- ~ Road Edges
 - Road Names
 - Hydrants
 - ▲ FIRE
 - ▲ OTHER
 - ▲ WATER QUALITY
 - Valves
 - Water Pipes
 - BTMUA Sanitary Manholes
 - Sanitary Sewer Pipes
 - Buildings
 - Parcel Boundaries
 - Map Sheet Index - 2003

58 Brower Drive

DEC 1962



THE BRICK TOWNSHIP MUNICIPAL UTILITIES AUTHORITY

1551 HIGHWAY 88 EAST
BRICK, NEW JERSEY 08724
(908) 458-7000

STATEMENT OF UTILITY SERVICES

APPLICANT: NAME: Robert Cannarozzo PHONE NO. 201-481-3237 (bus.)
ADDRESS: 24 East 31 Bayonne NJ 07002 (home)

PROPERTY IN QUESTION: ADDRESS 58 Brower Dr
BLOCK(S) 88-01 LOT(S) 5.01 & 5.0
BTMUA ACCOUNT NO. C293602 TAX MAP DRAWING NO. 14.03

SINGLE FAMILY RESIDENCE X

MINOR SUBDIVISION _____

COMMERCIAL _____

MAJOR SUBDIVISION _____

* LOT HAS EXISTING SERVICE

1. UTILITY SERVICE CAN BE PROVIDED. APPLICATION FOR SERVICE IS REQUIRED.

WATER	SEWER
<u>X</u>	<u>X</u>

CONNECTION WILL BE PROVIDED AS FOLLOWS:

INITIAL SERVICE CHARGES

* WATER BROWER DRIVE
(STREET)

3/4" 2667.00 1" 4667.00

* SEWER BROWER DRIVE
(STREET)

2894.00

2. UTILITY SERVICE CANNOT BE PROVIDED AT THIS DATE.
APPLICATION FOR EXTENSION IS ☐ IS NOT ☐ REQUIRED.

3. UTILITY SERVICE CANNOT BE PROVIDED AT THIS DATE. IT SHALL BE AVAILABLE UPON COMPLETION OF WORK BY A DEVELOPER UNDER APPLICATION NO. _____ CONTACT THE AUTHORITY TO CONFIRM AVAILABILITY OF SERVICES.

DATE: June 5, 2006

SIGNED: [Signature]

NOTE: STATEMENT GOOD FOR ONE YEAR.

UTILITY SERVICES FOR NEW HOMES

1. OBTAIN "STATEMENT OF UTILITY SERVICES" AND SIZING SHEET AT BTMUA
2. FILL OUT SIZING SHEET AND HAVE APPROVED BY THE BRICK TOWNSHIP PLUMBING INSPECTOR.
3. APPLICATION FOR UTILITIES SHOULD BE MADE TO BTMUA AS EARLY AS POSSIBLE, AT WHICH TIME THE SIZING SHEET, SIGNED BY THE TOWNSHIP PLUMBING INSPECTOR, MUST BE SUBMITTED.

APPLICATIONS WITHOUT THE SIGNED SIZING SHEET WILL NOT BE ACCEPTED.

LEAD TIME FOR TAPS TO BE INSTALLED IS BETWEEN 8 AND 12 WEEKS, WEATHER PERMITTING; HOWEVER, TAPS WILL NOT BE SCHEDULED FOR INSTALLATION UNTIL AT LEAST A FOUNDATION EXISTS. FOR INFORMATION ON SCHEDULED INSTALLATIONS, CONTACT THE AUTHORITY OPERATIONS OFFICE.

4. AFTER THE TAPS HAVE BEEN INSTALLED, SEWER AND WATER SERVICE PERMITS ARE TO BE OBTAINED AT THE BTMUA (PERMIT FEE OF \$15 FOR EACH SERVICE).
5. ONCE YOUR SERVICE LINES HAVE BEEN CONNECTED, CALL THE CUSTOMER ACCOUNT DIVISION AT BTMUA TO ARRANGE FOR AN OUTSIDE INSPECTION.
6. CERTIFICATE OF COMPLIANCE

THE C.C. WILL BE ISSUED AFTER THE METER IS INSTALLED AND ALL REQUIREMENTS MET, AT WHICH TIME ALL FEES MUST BE PAID IN FULL.

Attachment 'A'

Existing and/or proposed water service curb valves – curb boxes or sanitary sewer lateral clean-outs shall not be located in driveway aprons or walkways. If during construction, any water curb boxes or sewer clean-outs are found in these noted areas, they will be required to be relocated by the developer at their costs.

SILING FOR WATER AND SEWER SERVICES

Property Owner _____ Date _____

Property Address _____ Block _____ Lot _____

Zoning _____ Use Group _____

Contractor _____ License No. Registration _____

Water Main Size _____ Water Pressure _____ Sewer Main Size _____

<u>Plumbing Fixtures</u>	<u>Number</u>	<u>(sfu) Water Units</u>	<u>(dfu) Drainage Units</u>
1. Water Closet	_____	() _____	() _____
2. Lavatory	_____	() _____	() _____
3. Bath Tub	_____	() _____	() _____
4. Shower Stall	_____	() _____	() _____
5. Kitchen Sink	_____	() _____	() _____
6. Service Sink	_____	() _____	() _____
7. Laundry Tray	_____	() _____	() _____
8. Dishwasher	_____	() _____	() _____
9. Washing Machine	_____	() _____	() _____
10. Urinal	_____	() _____	() _____
11. Floor Drain	_____	() _____	() _____
12. Drinking Fountain	_____	() _____	() _____
13. Air Conditioner (water cooled)	_____	() _____	() _____
14. Dental Unit	_____	() _____	() _____
15. Lawn Sprinkler No. of Heads	_____	() _____	() _____
16. Fire Sprinkler No. of Heads	_____	() _____	() _____
17. _____	_____	() _____	() _____
18. _____	_____	() _____	() _____

Total _____

Gallons per minute _____

Size of Service _____

Date: _____

Approved: _____
Brick Township Plumbing Inspector

**Township of Brick
Zoning Permit**

Approved: Wednesday, June 21, 2006 **Number:** 792

Block 88.01 **Lot** 5 **Zone:** R-5

Property Address: 58 Brower Drive

Applicant: Robert Cannarozzo

Property Owner: Robert Cannarozzo

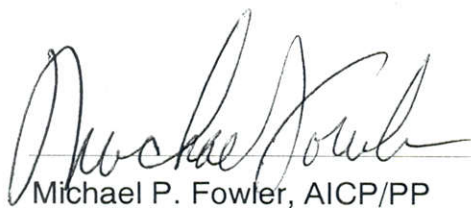
Existing Use: Single Family Residential (to be removed)

Proposed Use: Single Family Residential

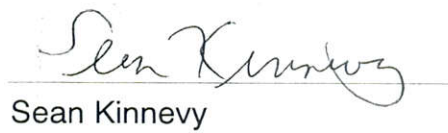
Proposed Construction: Three story single family dwelling, 54' x 37', eave height 23.2', building height 30.7', ridge height 38.3'. decorative cupola.

Conditions: The house must be set back at least 20 feet from the front property line, 5 feet minimum/12 feet total from the side property lines and 15 feet from the rear property line. No access to the cupola is permitted.

This permit shall be null, void and of no effect if any of the facts contained in the application upon the basis that this permit was granted are false or untrue in any material respect. This permit shall expire one (1) year after the date of issuance if the use or substantial construction has not been commenced.


Michael P. Fowler, AICP/PP

Principal Planner


Sean Kinnevy

Zoning Officer

TOWNSHIP OF BRICK ZONING PERMIT APPLICATION

(Please Type or Print Neatly in Ink, Not Pencil)

JUN 11 2006

Applications missing any of the following information
will delay processing and may be returned to you.

BLOCK 88.1 LOT 5+5.01 QUALIFIER _____

PROPERTY ADDRESS 58 Brower Drive Brick

PERSONAL NAME OF APPLICANT Robert Cannarozzo

BUSINESS NAME OF APPLICANT Home owner

MAILING ADDRESS OF APPLICANT 24 East 31st Street Bayonne NJ 07002

PROPERTY OWNER'S FULL NAME Robert Cannarozzo

PRESENT USE OF PROPERTY (check all that apply)

- ☐ Vacant Lot ☒ Single-family dwelling ☐ Multi-family dwelling
☐ Commercial (please describe) _____

PROPOSED USE OF PROPERTY (check all that apply)

- ☐ Vacant Lot ☒ Single-family dwelling ☐ Multi-dwelling
☐ Commercial (please describe) _____

PROPOSED CONSTRUCTION (check all that apply)

- ☒ New Building (please describe) Single Family Home Height 38'02"
☐ Addition - Height _____
☐ Alteration _____
☐ Porch or deck - Height _____
☐ Shed - Height _____
☐ Fence - Type _____ Height _____
☐ Swimming Pool ☐ in-ground ☐ above-ground
☐ Other (please describe) _____

CHECKLIST

- ☒ All information completed above
☐ Two (2) copies of a plot plan containing:
☒ All existing and proposed structures
☒ All dimensions of the lot and structures
☒ All setbacks from the structures to the property lines
☒ All adjacent streets and waterways

☐ If applicable, include a copy of the Zoning Board of Adjustment Resolution, the date that the map was signed, and/or the date that the subdivision map was filed with the Ocean County Clerk, along with the file map and number.

Note: No partial, taped, faxed,
reduced or enlarged copies
can be accepted.

The applicant certifies that all statements and information made and provided as part of this application are true to the best of the applicant's knowledge, information and belief. The applicant further states that the applicant will comply with all other Municipal approvals and ordinances, and all County, State, and Federal Regulations.

SIGNATURE OF APPLICANT [Signature] Date 6-01-06

Reviewed by Zoning Office SE Date 6/21/06 (X) Approved () Denied

March 2003-----

[Signature]
6/21/06

**Township of Brick
Zoning Permit**

Approved: Wednesday, July 05, 2006 **Number:** 878

Block 88.01 **Lot** 5 **Zone:** R-5

Property Address: 58 Brower Drive

Applicant: Robert Cannarozzo

Property Owner Robert Cannarozzo

Existing Use: Single Family Residential

Proposed Use: Single Family Residential

Proposed Construction: Revised plot plan to change proposed location of proposed dwelling.

Conditions: Zoning Permit No. 2006-0792 approved on June 21, 2006.

This permit shall be null, void and of no effect if any of the facts contained in the application upon the basis that this permit was granted are false or untrue in any material respect. This permit shall expire one (1) year after the date of issuance if the use or substantial construction has not been commenced.


Michael P. Fowler, AICP/PP
Principal Planner


Sean Kinnevy
Zoning Officer

TOWNSHIP OF BRICK ZONING PERMIT APPLICATION

(Please Type or Print Neatly in Ink, Not Pencil)

JUL 3 2006

Applications missing any of the following information
will delay processing and may be returned to you.

BLOCK 88.01 LOT S 45.01 QUALIFIER _____

PROPERTY ADDRESS 58 Brower Drive

PERSONAL NAME OF APPLICANT Robert Cannarozzo

BUSINESS NAME OF APPLICANT _____

MAILING ADDRESS OF APPLICANT 241 East 31, Bayonne, N.J.

PROPERTY OWNER'S FULL NAME Robert Cannarozzo 07002

PRESENT USE OF PROPERTY (check all that apply)

- ☐ Vacant Lot ☒ Single-family dwelling ☐ Multi-family dwelling
☐ Commercial (please describe) _____

PROPOSED USE OF PROPERTY (check all that apply)

- ☐ Vacant Lot ☒ Single-family dwelling ☐ Multi-dwelling
☐ Commercial (please describe) _____

PROPOSED CONSTRUCTION (check all that apply)

- ☒ New Building (please describe) Single Family dwelling Height 38.2
☐ Addition - Height _____
☐ Alteration _____
☐ Porch or deck - Height _____
☐ Shed - Height _____
☐ Fence - Type _____ Height _____
☐ Swimming Pool ☐ in-ground ☐ above-ground
☐ Other (please describe) Moving House west 1 1/2 Feet

CHECKLIST

- ☐ All information completed above
☐ Two (2) copies of a plot plan containing:
☐ All existing and proposed structures
☐ All dimensions of the lot and structures
☐ All setbacks from the structures to the property lines
☐ All adjacent streets and waterways

☐ If applicable, include a copy of the Zoning Board of Adjustment Resolution, the date that the map was signed, and/or the date that the subdivision map was filed with the Ocean County Clerk, along with the file map and number.

**Note: No partial, taped, faxed,
reduced or enlarged copies
can be accepted.**

SIGNATURE OF APPLICANT [Signature] Date 6-30-06

Reviewed by Zoning Office [Signature] Date 7/5/06 (X) Approved () Denied

March 2003-----

10B
6/30/06

POLARIS®



HIGH-EFFICIENCY RESIDENTIAL 34- or 50-GALLON GAS WATER HEATER

10-Year Tank Warranty

1-Year Parts Warranty

- **Stainless Steel Tank with Submerged Combustion**

High grade 444 stainless steel tank with brass connections for years of dependable, trouble-free service - no anode required. Submerged combustion chamber with spiral flue for 95-96% thermal efficiency and ultra-low standby heat loss of approximately 1%.

- **Sealed Combustion with Woven Fiber Premix Burner**

Metal fiber burner is designed for clean combustion in high-intensity blue flame mode. Manufactured of refractory steel that resists corrosion. Excellent resistance to thermal and mechanical shock, even at extreme temperatures. Uniform combustion provides excellent heat transfer. Meets Low NOx requirements for California and Texas.

- **Whisper Quiet Operation**

Ultra quiet blower and burner minimize noise. Requires 120 volt 60Hz power supply. Draws less than 5 Amps.

- **Power/Direct Vent Using 2" or 3" Plastic Pipe**

Direct vents up to 120' using PVC, CPVC, or ABS pipe. Vents Thru-the-Wall or Thru-the-Roof. Optional concentric vent kit available for use Thru-the-Roof or Wall.

- **Plug-and-Play Technology**

No special adjustments are required at initial start up. Connect air inlet, exhaust outlet, water, electricity, and gas, set the temperature and the system functions properly.

- **Self-Diagnostic Control System**

Three external LED lights indicate operational status of water heater. Microprocessor monitors nine critical functions. An LED troubleshooting light, visible through view port, signals heater operation status.

- **Full Serviceability from the Front**

Removal of two front-located access panels exposes all serviceable components. Modular components are easily removed.

- **Multiple 1" Tank Connections - Brass**

Potable water and space heating connections provided. Use with potable water only.

- **Factory Provided Tempering Valve**

Helps stretch hot water supply by automatically mixing hot and cold water.

- **Other Features**

- | | |
|-------------------------------------|------------------------------------|
| - Thermister Temperature Sensor | - 24-Volt Thermostat Control |
| - Hot Surface Ignition | - Full Flow Brass Drain Valve |
| - ASHRAE 90.1-1999 Compliant | - Zero Clearance to Combustibles |
| - Factory Installed T&P Valve | - Factory Provided Condensate Trap |
| - Complies with California Title 24 | |

- **CSA International Certified to ANSI Z21.10.3/CSA 4.3**

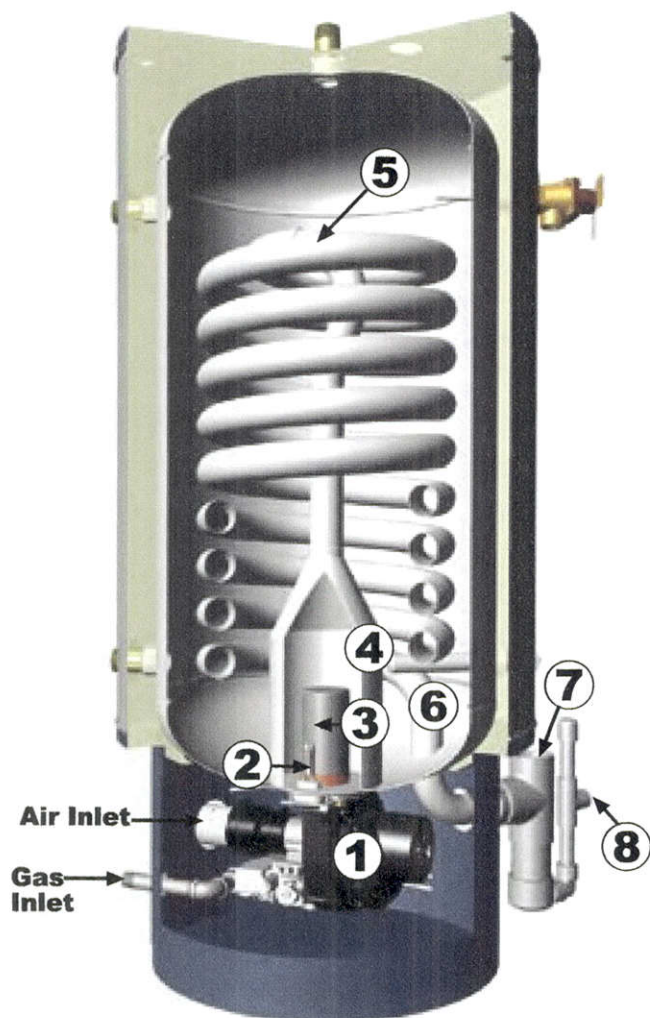


This water heater design has been tested by CSA International and complies with ANSI Z21.10.1, Section 2.35 Flammable Vapor Resistance

FVIR Compliant

Copyright© by American Water Heater Company 2006.
All rights reserved.

POLARIS®



The Quiet Way to Efficiently Heat Water

An ultra quiet radial blower is combined with a submerged burner for whisper quiet operation. Indicator lights illuminate when the power is on and when the igniter and burner are operating.

95% Efficient

1. The quiet, brushless DC blower prepurges the submerged combustion chamber for 8 seconds and turns off.
2. The hot surface igniter is energized and glows red hot.
3. The blower turns on, precisely mixing air and gas for combustion. The mixture is forced through the metal fiber burner and is ignited by the hot surface igniter. A blue flame is evenly distributed across the entire burner, resulting in clean combustion with low nitrous oxide emissions.
4. The combustion chamber wall transfers high temperature heat from the flame to the water.
5. The blower pushes hot combustion gases through the spiral coil, which scrubs the remaining heat from the hot gases.
6. As combustion gas exits the bottom of the spiral coil, it is barely warm to the touch. Over 95% of the heat from the flame is transferred to the water.
7. Combustion gases are vented through PVC, CPC or ABS plastic pipe.
8. Condensation formed by cooled combustion air is captured by a condensate trap and drained through a drain line.

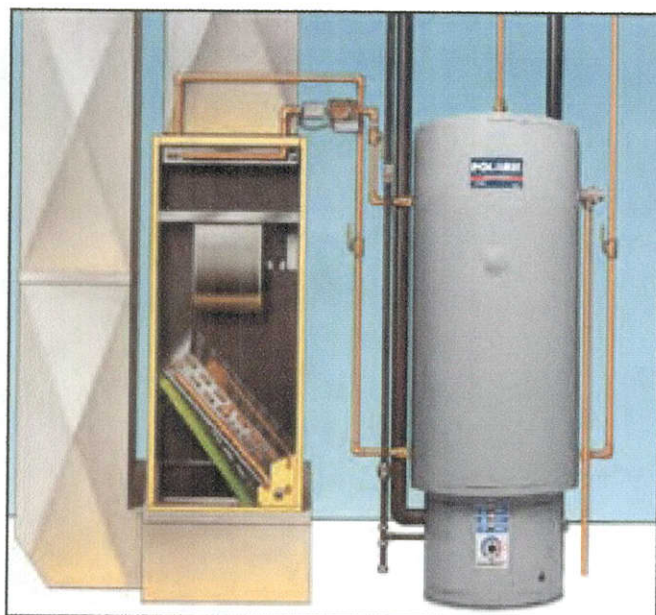


The Best Choice for Hot Water

Polaris is ideal for large homes. For dishwashing, showers, baths, clothes washing, or hot tubs, Polaris is the best choice. Polaris models heat up to 255 GPH at a 90°F temperature rise, compared to 41 GPH for standard gas water heaters.



Polaris Combines Water Heating with Space Heating



Forced Air Hydronic Heat

Polaris can be used to combine an air handler for comfortable forced air hydronic space heating with potable hot water. Hot water is circulated through a coil in the air handler. Air from the home is warmed as it is blown across the coil. Warmed air is returned to the home through air ducts. With up to 199,000 BTUs, Polaris can heat most homes, large or small.

Radiant Hydronic Heat

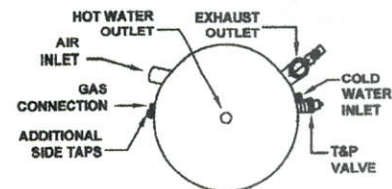
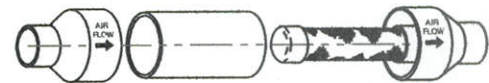
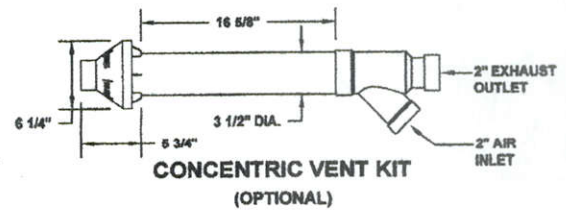
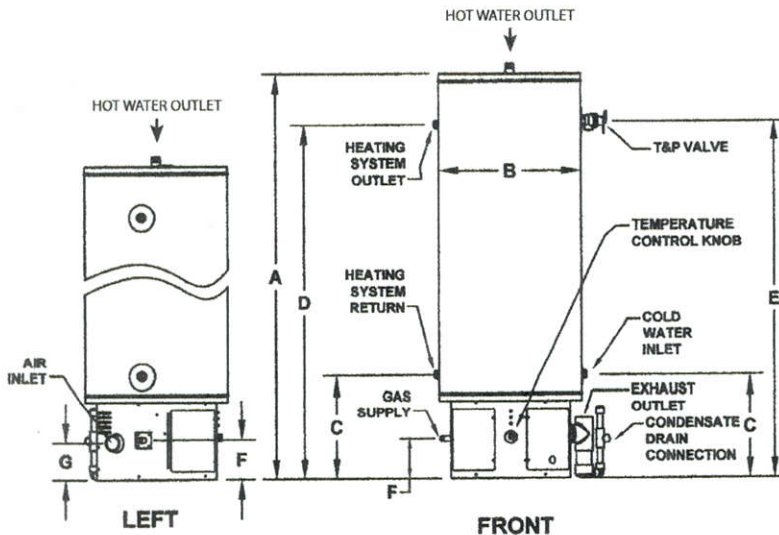
Polaris works great for homeowners who prefer radiant hydronic heat. With radiant floor hydronic systems, potable hot water is circulated through tubes under the floor. The floor absorbs heat from the tubes and radiates it into the room. With radiant baseboard heat, potable hot water is circulated through finned tube baseboard. Heat rises from the baseboard heaters, warming the home. All water components must be approved for use with potable water.



POLARIS®

NOTE: SEE INSTALLATION MANUAL FOR PIPING DIAGRAMS.

NOTE: Water quality will vary from location to location and may contain contaminants that reduce the life or performance of the water heater. Use water quality survey kit #6903791 to help determine the need for water treatment.



TOP

Residential Gas Polaris®

MODEL NUMBER	GAL CAP.	INPUT BTU PER HR.	THERMAL EFFICIENCY	GPH RECOVERY 90° RISE	EXTERIOR		VENT DIAMETER	1" WATER CONNECTIONS		T&P HEIGHT	GAS SUPPLY* F	APPROX. SHIP WEIGHT
					A	B		C	D	E		
PG10 34-100-2NV	34	100,000	96	129	48-1/2	22	2 or 3	15-3/4	40-1/2	41	6-1/8	150
PG10 34-130-2NV	34	130,000	96	168	48-1/2	22	2 or 3	15-3/4	40-1/2	41	6-1/8	150
PG10 34-150-2NV	34	150,000	95	192	48-1/2	22	2 or 3	15-3/4	40-1/2	41	6-1/8	150
PG10 50-130-3NV	50	130,000	95	166	62-1/2	22	2 or 3	15-3/4	54-1/2	55	6-1/8	176
PG10 50-150-3NV	50	150,000	95	192	62-1/2	22	2 or 3	15-3/4	54-1/2	55	6-1/8	176
PG10 50-175 3NV	50	175,000	96	226	63-3/4	22	3	15-3/4	55-3/4	56-1/4	6-1/8	180
PG10 50-199-3NV	50	199,000	96	257	63-2/4	22	3	15-3/4	55-3/4	56-1/4	6-1/8	180

For propane, substitute "P" for "N" in the model number. 3" Concentric Vent Part #6910543 or 2" Concentric Vent Part #6910542. Specifications are subject to change without notice in accordance with our policy of continuous improvement. Input, output and recovery may vary depending upon air inlet and exhaust outlet installations. Length and number of bends in inlet and outlet pipes may reduce input and output. Consult installation, operation and service manual for details. Dimensions on all charts shown in inches. *1/2" gas supply line can be used for up to 130,000 BTU units, units over 130,000 BTU's require a 3/4" gas supply line.

Specification

Residential gas-fired water heater(s) shall be a direct/power vent Polaris model _____ as manufactured by American Water Heater Company and shall have a 10-year limited tank warranty and a 1-year limited parts warranty, as outlined in the written warranty. Units shall be designed to burn _____ (natural/propane) gas and be CSA International certified to the latest edition of ANSI standard Z21.10.3/CSA 4.3. Water heater(s) shall have a nominal storage capacity of _____ gallons and a recovery rate of _____ GPH @ 90°F rise with a rated input of _____ BTU/Hr. Water heater(s) shall be condensing type with a minimum thermal efficiency of 95-96%, power vented with PVC, ABS, or CPVC pipe. Water heater(s) shall have combined vent capabilities of up to 120' to the exhaust outlet with up to 120' to the air inlet. Water heater(s) shall have a low noise combustion system with a woven fiber steel burner capable of low NOx (less than 40 ng/j) in the blue flame mode and shall be manufactured of refractory steel, resistant to thermal and mechanical shock. The gas valve shall be a Honeywell CV1-r1 series gas valve with a matching 45,900 series venturi manifold using a 1:1 air/gas ratio. The combustion system shall be factory adjusted and require no field adjustment on startup. The tank shall be constructed of 444 stainless steel with a submerged combustion chamber and rated for 150 PSI working pressure and 300 PSI test pressure. The tank shall be surrounded by two inches of non-CFC foam insulation covered by an enamel coated metal jacket. Operating controls shall have a 24-volt integrated control circuit, an immersed thermistor temperature sensor, a recycling energy cut-off switch, external temperature adjustment, and shall have LED lights that continuously indicate the operational status of the water heater(s). A microprocessor shall automatically monitor nine critical operating functions and signal the status of each. A factory installed temperature and pressure relief valve shall be provided on all models. A factory provided water thermostatic tempering valve shall be provided with all models.

Order Entry and Sales

P.O. Box 4056, 500 Princeton Road
Johnson City, TN 37602-4056
(800) 937-1037
(800) 581-7224 fax

Product Service and Support

P.O. Box 1597, 500 Princeton Road
Johnson City, TN 37605-1597
(800) 999-9515
(800) 999-5210 fax

Distributed By

Why Choose a York® SINGLE PIECE AIR HANDLER?

WHY DO YOU NEED AN AIR HANDLER?

A home comfort system has two parts: an outdoor unit, such as an air conditioner or heat pump, and an indoor unit. The air handler is the indoor unit that circulates cool air through your home in the summer and warm air in the winter. The indoor and outdoor units are designed to work together. And, when the air handler is properly matched with a heat pump or air conditioner, the result is maximum efficiency and extended system life.

EXCELLENT PERFORMANCE. LONG-LASTING QUALITY.

The York® Single Piece Air Handler offers state-of-the-art heat transfer technology. These high-efficiency units feature rifled tube coils that are mechanically bonded to lanced aluminum fins, providing outstanding heat transfer capability, high performance ratings, and quality that lasts.

QUIET OPERATION. 50% LESS ENERGY.

Through the use of ECM technology, variable speed models (FFV) use up to 50% less electrical energy than conventional blower motors. This technology increases SEER¹ efficiency ratings by up to 1.5 points. And variable speed operation also allows for quiet unit operation, eliminating noisy starts and stops.

DESIGNED TO FIT ALMOST ANYWHERE.

The York® Single Piece Air Handler offers flexibility and quick and easy installation. Configured for upflow and horizontal applications, these units are ideal for basement, attic, slab, alcove, or crawlspace installation.

FEATURE	BENEFIT
Compact design	Fits easily into crawlspaces and attics
Minimal panels and seams	Reduces sweating in humid environments
Positive-slope drain pan	Completely drains after each cycle
Encapsulated insulation	Reduces operation noise and provides for increased efficiency
Built-in filter rack	Offers easy access
Pre-painted cabinet	Resists fading and corrosion
Electric heat options	Up to 25 kW of heat available for field installation. All heaters include staging sequences for efficient operation.



All parts are covered by a 5-year limited warranty. And for more peace of mind, consider purchasing a YORKCare™ Comfort Plan, providing total parts and labor coverage for up to 10 years. Ask your York Dealer for details.



1. The Federal Government has established SEER (Seasonal Energy Efficiency Ratio) and HSPF (Heating Season Performance Factor) ratings to allow you to compare energy efficiencies of heating and air conditioning equipment. The higher the SEER or HSPF number, the more efficient the product.

YORK®
It's Time to Get Comfortable™

Unitary Products Group, Inc.
5005 York Drive, Norman, OK 73069
www.yorkupg.com



SINGLE PIECE (FRC)

Model	Cap. (Tons)	Nom. CFM	Application
F*RC024N06 F*FC024N06	2.0	800	AC Only
F*RC030N06 F*FC030N06	2.5	1000	AC Only
F*RC036N06 F*FC036N06	3.0	1200	AC Only

SINGLE PIECE (FRP, FFP)

Model	Cap. (Tons)	Nom. CFM	Application
F*RP018N06 F*FP 018N06	1.5	600	AC & HP
F*RP024N06 F*FP024N06	2.0	800	AC & HP
F*RP030N06 F*FP030N06	2.5	1000	AC & HP
F*RP036N06 F*FP036N06	3.0	1200	AC & HP
F*FP040H06	3.5	1400	AC & HP
F*RP042N06 F*FP042N06	3.5	1400	AC & HP
F*FP045H06	4.0	1600	AC & HP
F*FP048N06	4.0	1600	AC & HP
F*FP060N06	5.0	2000	AC & HP

VARIABLE SPEED (FFV)

Model	Cap. (Tons)	Nom. CFM	Application
F*FV060H06	5.0	2000	AC & HP

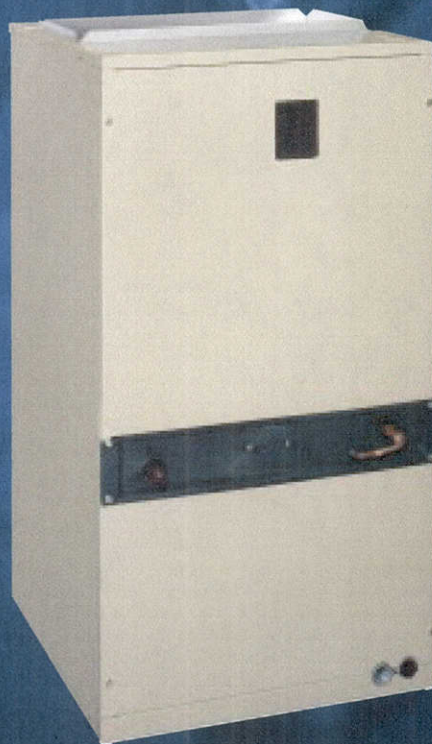
*Generation indicator

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Form 036-11710-001 (0402) Supersedes: Nothing. Printed in USA.



York® Single Piece Air Handler

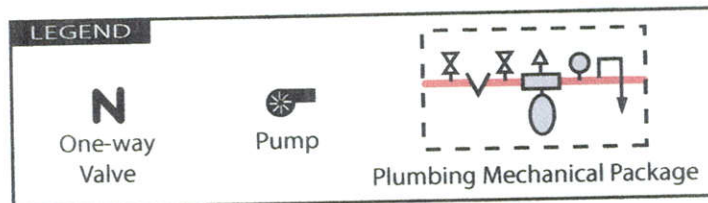
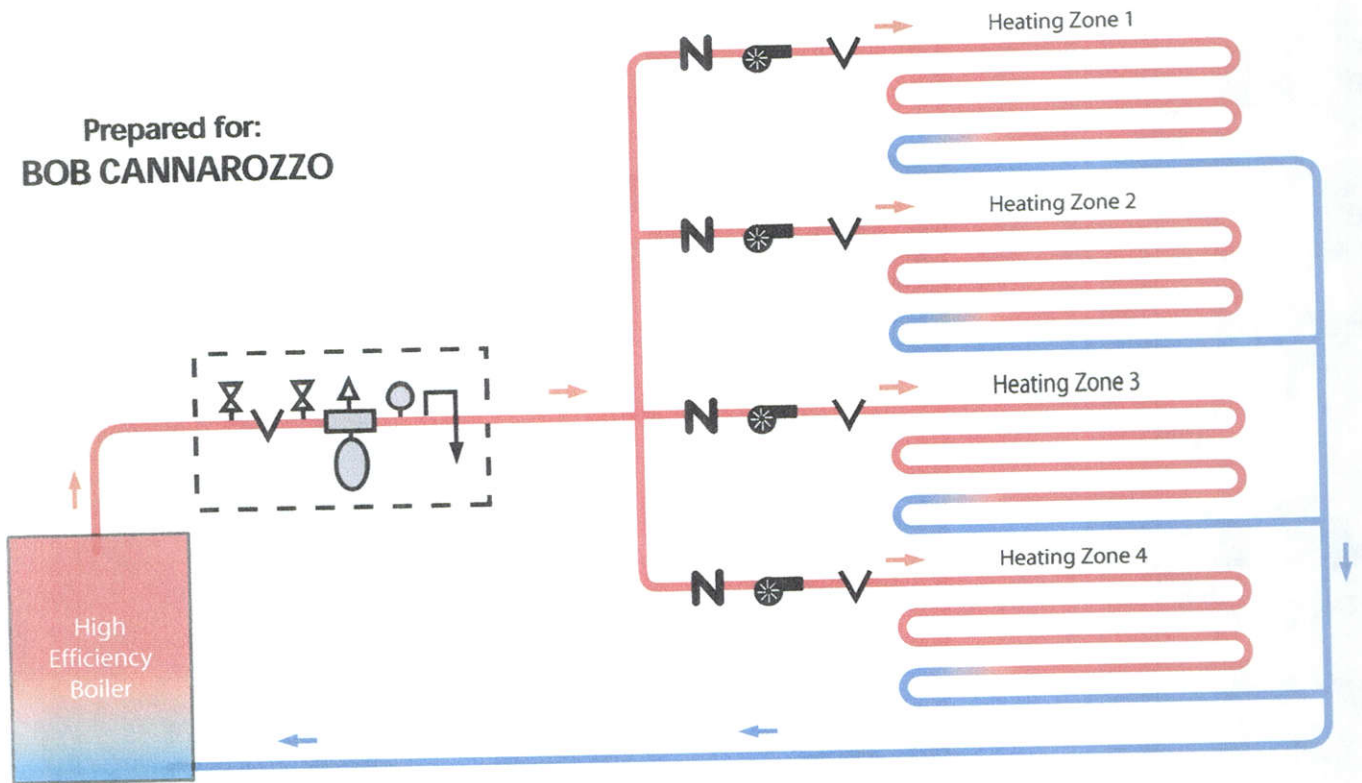
- Outstanding Energy Efficiency
- Quiet, Long-Lasting Performance
- Quick and Easy Installation



 **YORK®**
It's Time to Get Comfortable™

Mechanical Schematic Drawing of a Closed Heating System having 4 zones

Prepared for:
BOB CANNAROZZO



OPERATION

Heat is provided when the pump is turned on by the thermostat. Warm water (or other fluid) flows from the boiler throughout the heating zone until heat is no longer needed.

ADVANTAGES

Non potable fluids can be used (such as antifreeze solutions). High heat outputs.
Simplified code approvals.

NOTES: These mechanical drawings are intended to illustrate the mechanical operation of the system in general. Individual projects will vary and these drawings may not show every single component that will be necessary in every instance.
It is also important to check with local codes.



UNDERFLOOR MATERIAL
CALCULATION WORKSHEET

PROJECT NAME: Bob Cannarozzo

MATERIAL WORKSHEET

Radiantec
INCORPORATED

UNDERFLOOR MATERIAL CALCULATION WORKSHEET

HEATED AREA

FLOOR CONSTRUCTION TUBING SELECTION ORDER QUANTITY FLUID TEMP (suggested) MAX. FLUID TEMP (degree F.) FLOW RATE (gal/minute) ALUMINUM PLATES SLAB MANIFOLD ADAPTORS COUPLINGS PUMP SELECTION PUMP

MATERIAL WORKSHEET

ZONE 1	ZONE 2	ZONE 3	ZONE 4	ZONE 5	ZONE 6
Floor Sensor					
Garage					
Guest Bed, Bath					
KIT, Din, Great Foyer					
3 Beds, Bath, Hall/Laundry					
Master Suite, Office					
				</	

NOTES: Bob, call me at 1800-451-7593 with any questions. You should check that this system and components comply with your codes. I have quoted you a 7 zone closed system using a 50 gallon BQXW 1575 Polaris, and 7/8" PEX Tubing. We recommend insulating under the slab with 2" of extruded polystyrene. The garage will use a Floor sensor instead of a wall thermostat.

THANK YOU! Dan Hansen



PROJECT NAME: Bob Cannarozzo

HEATING CALCULATION

HEATED AREA		SQUARE FOOTAGE	ENERGY FACTOR	TEMPERATURE DIFFERENCE (degrees F)	ESTIMATED HEAT REQUIRED (BTUs/Hour)	HEAT PRODUCED BY THE FLOOR (BTUs/Hour)
ZONE 1	Slab	480	.7	50'	16,800	19,200
ZONE 2	Joist	304	.3	60°	5,500	12,200
ZONE 3	Joist	1258	.4	60°	30,200	44,000
ZONE 4	Joist	1272	.35	60°	26,700	44,500
ZONE 5	Joist	1295	.3	60°	23,300	45,300
ZONE 6						

HEATING CALCULATION

NOTES: Estimated heating requirements are 103,000 BTUs.

SOME IMPORTANT NOTES ABOUT FREE DESIGN ASSISTANCE

1. A complete design for an underfloor radiant heating system would include a complete review of the plans, a study of State and Local Building codes, a detailed heat loss calculation, coordination with the builder, several site visits, coordination with the supplier of the heating unit, a written contract, and a fee of several thousand dollars.

2. This free service is not to be confused with a complete design. *It is intended to be useful to the customer for making preliminary decisions.* This information is given in good faith, but Radiantec Company makes no warranty or assumes no liability for its accuracy.

3. It is not possible for Radiantec Company to be aware of the ramifications of all State and Local building codes. *Code compliance is the customer's responsibility.* Radiantec Company will assist the customer in obtaining waivers or exceptions when new technology conflicts with applicable codes. Radiantec Company will not apply restocking fees if exchanges are needed to meet applicable codes.

Robert & Carolyn Cannarozzo
24 East 31st Street
Bayonne, NJ 07002
Home 201-437-8753 Cell 201-481-3237

June 2, 2006

Township of Brick
401 Chambers Bridge Road
Brick, NJ 08723

RE: New single family home
58 Brower Drive
Brick, NJ 08723

Dear Sirs,

Please accept this building application for a new single family home, I am a builder by trade and also the home-owner, I will be constructing some this project as a home owner and sub-contracting the rest, however I will be over seeing the whole project. I have enclosed the information as required on the SINGLE FAMILY DWELLING CHECKLIST with the exception of # 9, 10 & 11, cause I have not yet selected a Plumber. Also the same with a Electrical, Fire or HVAC contractors. As of Item # 15 the joist company has received my plans and the shop drawings are in the process I will forward as soon as I receive them.

Please if there is any other information you may require or I may have missed please feel free to call me

Thank you,
Robert Cannarozzo

