

Brick

Permit Without a Jacket

Permit Number A-6368

Construction Permit # A-6368

October 6, 1980

Owner Ron Bollerman

Location 21 Rochester Drive

Sea-Wood Harbor

Block 211A Lot 8

Contractor Serro Custom Homes Inc.

Fee \$ 381.68 Use Dwelling, fireplace and deck

Revised 2-17-81

C/O 1089A

2-17-81

BUILDING SUB-CODE INSPECTIONS

Footing Trench

Slab

Foundation

Framing *Sheathing 12/8/80 JZ*

Insulation *12-16-80 RME*

Final *2-17-81 RME*

C. O. Issued

VIOLATIONS

U. Cottrell 12-10-80

12-16-80 RME

in RME 2/17/81

PLUMBING SUB-CODE INSPECTIONS

Slab

Rough *11/26/80 JZ*

Septic/Sewer

Water

Final *2/10/81 JZ*

Electrical Final

Use reverse side for additional remarks

Certificate of Occupancy

Name Ron Bollerman

THIS IS TO CERTIFY that the building erected at 21 Rochester Drive
Lot No. 8 Block No. 211-A in Brick Township, under Permit No. A-6368
issued October 6, 19780, has been inspected and approved in
accordance with the Zoning and Building Ordinances of the Township of Brick.

Use Group R-3

Maximum Live Load _____

Fire Grading 1 hour

Occupancy Load _____

By the issuance of this certificate, neither the Township nor any of its officers or
employees assumes any liability, either express or implied, in connection therewith.

No 1889 A

Arthur J. Cierzo
CONSTRUCTION OFFICIAL

Date February 17, 1981

AL, Trell
10-6-80

CONSTRUCTION PERMIT APPLICATION

BRICK TOWNSHIP, NEW JERSEY

SEP 10 1980

IMPORTANT — Complete ALL items. Mark boxes where applicable

1. LOCATION OF BUILDING	Number and street	Section	Lot	Block
	21 ROCHESTER DRIVE	SEA - WOOD HARBOR	8	211 A
	N S E W side of feet E W from intersection of (Other local geographic, political, or legal subdivision identification)			

II. TYPE AND COST OF BUILDING — All applicants complete Parts A - D

A. TYPE OF IMPROVEMENT 1 ☒ New buildings 2 ☐ Addition (If residential, enter number of new housing units added, if any, in Part D, 13) 3 ☐ Alteration (See 2 above) 4 ☐ Repair, replacement 5 ☐ Demolition 6 ☐ Moving (relocation) 7 ☐ Garage ☐ Swim Pool ☐ in ☐ out ☐ Fence	D. PROPOSED USE — For "Wracking" most recent use Residential 12 ☒ One family 13 ☐ Two or more family — Enter number of units 14 ☐ Transient hotel, motel, or dormitory — Enter number of units <i>2 car</i> 15 ☒ Garage <i>underneath house</i> 16 ☐ Carport 17 ☐ Other — Specify <i>Raised Ranch</i>	Nonresidential 18 ☐ Amusement, recreational 19 ☐ Church, other religious 20 ☐ Industrial 21 ☐ Parking garage 22 ☐ Service station, repair garage 23 ☐ Hospital, institutional. 24 ☐ Office, bank, professional 25 ☐ Public utility 26 ☐ School, library, other educational 27 ☐ Stores, mercantile 28 ☐ Tanks, towers 29 ☐ Other - Specify
B. OWNERSHIP 8 ☒ Private (individual, corporation, nonprofit institution, etc.) 9 ☐ Public (Federal, State, or local government)		

C. COST		(Omit cents)	Nonresidential — Describe in detail proposed use of buildings, e.g., food processing plant, machine shop, laundry building at hospital, elementary school, secondary school, college, parochial school, parking garage for department store, rental office building, office building at industrial plant. If use of existing building is being changed, enter proposed use.
10. Cost of Improvement	90,492.	\$ 45,000	
To be installed but not included in the above cost			
a. Electrical (# Fixtures, Outlets)		1800.00	
b. Plumbing (# of Fixtures)		3600.00	
c. Heating, air conditioning		2700.00	
d. Other (elevator, etc.)			
11. TOTAL COST OF IMPROVEMENT		\$	

III. SELECTED CHARACTERISTICS OF BUILDING —

For new buildings and additions, complete Parts E-1; for wrecking, complete only Part H, for all others skip to IV.

E. PRINCIPAL TYPE OF FRAME ☒ Masonry (wall bearing) ☒ Wood frame ☐ Structural steel ☐ Reinforced concrete ☐ Other - Specify _____	H. DIMENSIONS Number of stories <u>2</u> Total square feet of floor area, all floors, based on exterior dimensions <u>1440</u> Total land area, sq. ft. <u>6000</u>	FEE COMPUTATIONS VOLUME OF BUILDING BUILDING SUB CODE <u>207.14</u> ELECTRICAL CODE <u>30</u> PLUMBING CODE <u>237.14</u> PLAN REVIEW CERTIFICATE OF OCCUPANCY STATE TRAINING FUND CONSTRUCTION PERMIT FEE	<u>29592</u> <u>207.14</u> <u>—</u> <u>60.00</u> <u>26.71</u> <u>40.07</u> <u>17.76</u> <u>15.00</u> <u>15.00</u> <u>\$381.68</u>
F. TYPE OF HEATING SYSTEM Specify <u>OIL HOT WATER</u> Air Cond. Yes ☐ No ☐	I. RESIDENTIAL BUILDING ONLY Number of bedrooms <u>2</u> Number of bathrooms { Full <u>2</u> Partial _____	FIRE PLACE DECKS	
G. TYPE OF SEWERAGE DISPOSAL ☒ Public ☐ Individual			

10-6-80

SEE REVERSE

A-6368

Ch.

SUB CONTRACTORS				
NAME	TRADE	ADDRESS	ZIP CODE	PHONE #
1. Joe Hall	Mason	Wall Township		681-6694
2. Glenn Philpot	Plumber	Brick		892-1241
3. Mike Serrro	Carpentry	Point Pleasant		899-3209
4. Jersey Shore Electric	Electric	Wall Township		681-7563
5. Dittis Insulation	Insulation	Point Pleasant		899-7014
6. H + F. Drywall	Sheetrock	Brick		458-
7.				
8.				

PERSON TO BE IN CHARGE OF CONSTRUCTION

NAME

Michael A. Serrro

ADDRESS

1110 Barton Ave Point Pleasant N.J.

IV. IDENTIFICATION — To be completed by all applicants

	Name	Mailing address — Number, street, city, and State	ZIP code	Tel. No.
1. Owner Agent	Ron Bollerman	358-5 Kettle Creek Rd. Toms River		255-8062
2. Contractor	Serrro Custom Homes Inc.	1110 Barton Ave. Pt. Pleasant	08742	899-3209
3. Architects	E. Angler	29 Central Ave Toms River		

The owner of this building and the undersigned agree to conform to all applicable laws of Township of Brick and that all required state, county and local prior approvals have been given.

Signature of applicant

Ronald Bollerman
Michael A. Serrro

Address

358-5 Kettle Creek Rd. Toms River N.J.
1110 Barton Ave Pt. Pleasant N.J.

Application date

Sept 10, 1980

DO NOT WRITE IN THIS SPACE — FOR OFFICE USE ONLY

Approved by

Joseph Kellerman

Date permit issued

10/6/80

Permit Number

A-6368

I agree to construct said building in conformity with the plans and specifications filed with the Construction Official and in compliance with the provisions of the Building Code whether shown on plans or not.

Installation Instructions E-Z Energizer Fireplaces

Heat circulating models SHC-43 and SHC-38, 43" and 38" front opening fireplaces

The E-Z Energizer is an energy-efficient, furnace-like, heat circulating fireplace, featuring fresh outside combustion air, glass doors and heat circulation with ducted room inlet and outlet air.

This fireplace is approved for use with glass doors manufactured only by SUPERIOR FIREPLACE COMPANY.

INTRODUCTION

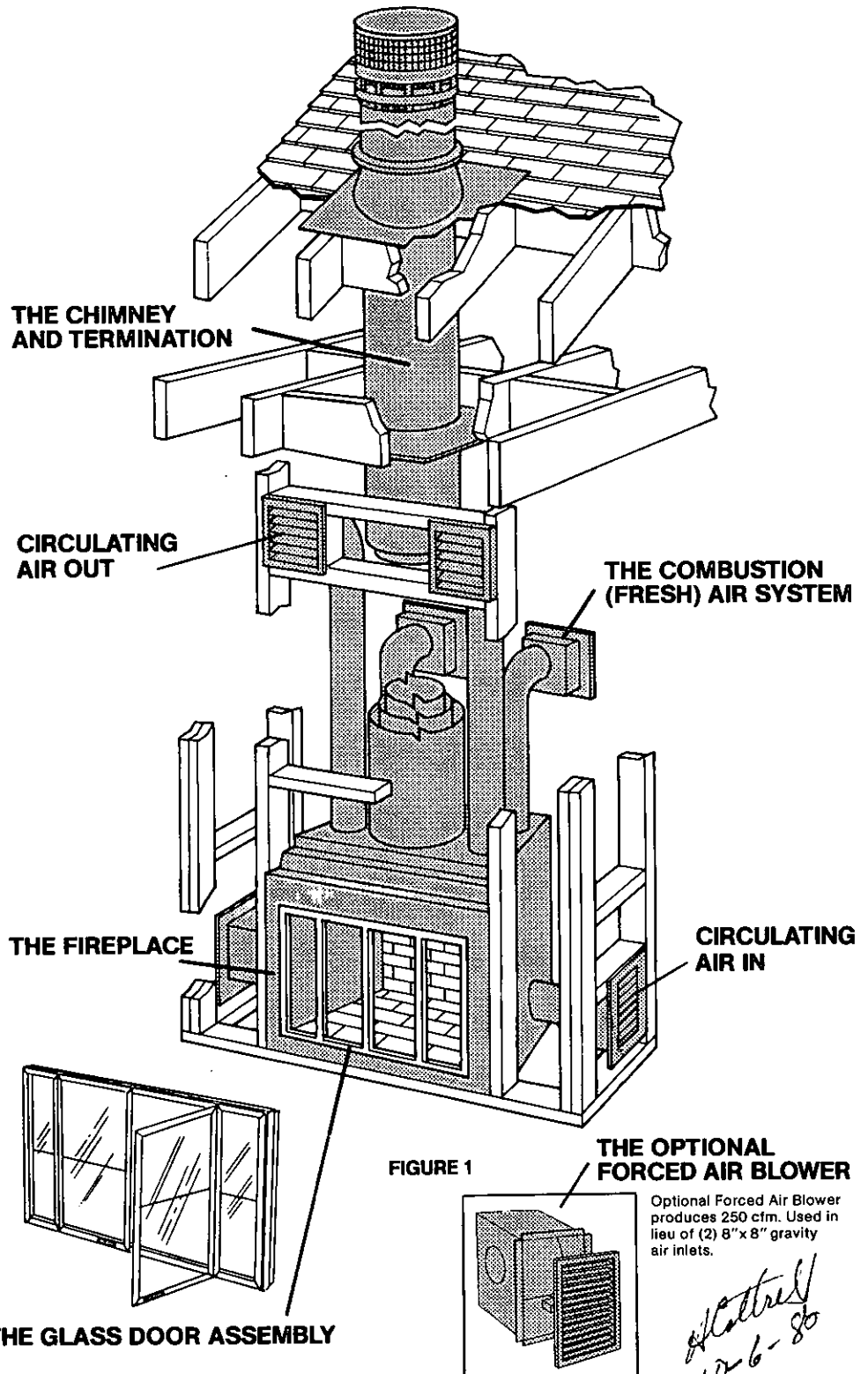
Your Superior Fireplace has been tested and listed by Underwriters Laboratories and other listing agencies.

You will receive a lifetime of comfort and enjoyment from your fireplace provided it is installed and operated properly. These instructions are written to give you an easy-to-follow outline for fast, safe installation and trouble-free operation.

Failure to use parts manufactured by Superior Fireplace Company and variations in techniques and construction materials described in this instruction manual may create a serious fire hazard and void the Superior warranty.

The E-Z Energizer heat circulation fireplace system consists of four sub-systems:

1. THE FIREPLACE
2. THE CHIMNEY AND TERMINATION
3. THE COMBUSTION (FRESH) AIR SYSTEM
4. THE HEAT CIRCULATION DUCT SYSTEM WITH OPTIONAL FORCED AIR BLOWERS
5. THE GLASS DOOR ASSEMBLY



Underwriters Laboratories, Inc.
LISTED FIREPLACE
For use only with Superior Labeled Fireplace Parts, Labeled Starter Section, Chimney Sections, Firestop-Spacers, and Roof Assembly required to complete Fireplace.

Underwriters Laboratories of Canada
LISTED FIREPLACE
For use only with Superior Labeled Fireplace Parts, Labeled Starter Section, Chimney Sections, Firestop-Spacers, and Roof Assembly required to complete Fireplace.

Handwritten:
10-6-80
A-6368

Installation Instructions E-Z Energizer Fireplaces

Heat circulating models SHC-43 and SHC-38, 43" and 38" front opening fireplaces

PRECAUTIONS

Consult your local building code.

The most important areas in the installation of zero clearance fireplaces are clearance to combustible material and height of the chimney system. These items are covered in great detail throughout. The following is a summary. Please read the balance of the instructions.

CLEARANCES

The fireplace itself, the combustion air system and the inlet part of the heat circulating duct system, including ducts and grills, may be placed directly on or against normal construction materials.* The chimney and the hot air outlet part of the heat circulating duct system requires a minimum 1" clearance to combustibles.

*CONSTRUCTION MATERIALS

- framing material
- plywood
- particle board
- masonry, concrete, tile
- flooring
- mill board
- drywall
- paneling
- etc., for questions please call Superior Fireplace Company

Special restrictions apply to the front and facing of the fireplace and nearby walls. See page 10.

CHIMNEY HEIGHT

The total height of your E-Z Energizer fireplace system, from the floor of the firebox to the chimney top must be at least 12'0" and not more than 60'0". The maximum number of elbows that may be used is four (two offsets and two returns). The minimum height of the system, when four elbows are used (two offsets and two returns), is 25 feet. Maximum offset of any one section of flue pipe system is 30°. Two offset elbows may not be assembled together to form a 60° offset; but a 30° offset elbow and a 30° return elbow with a 12" length of flue in between may be used as the smallest offset section.

An offset elbow angling in any direction may be used as the first piece of flue pipe off the top of the fireplace.

The chimney height must be a minimum of two feet higher than any part of the roof within ten feet. (See illustration fig. 29, page 7).

CHASE

If you plan on using a chase (a vertical box-like structure which encloses the fireplace and/or chimney) overhead obstructions will be totally avoided, however, other conditions must be considered.

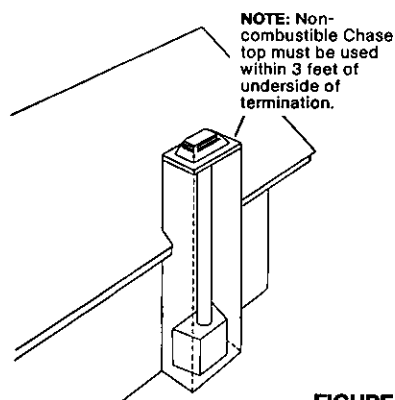


FIGURE 3

THE E-Z ENERGIZER INVENTORY LIST

These components are included with your fireplace: The E-Z Energizer fireplace (43" or 38"). Glass door assembly (packaged separately).

Combustion air system, consisting of: Two outside air grill assemblies. Two 7" diam. x 60" long flexible aluminum ducts* with collars.

Heat Circulation Duct System: natural convection (gravity) – standard equipment with E-Z Energizer fireplace.

Inlet Air Assembly: • Two inlet air grill assemblies • Two 6" diam. x 44" long flexible vinyl ducts* • Two flanged collars with 4 clamps

Outlet Air Assembly: Two outlet air grill assemblies. Two 6" diameter x 60" long flexible aluminum ducts*.

One Hardware Kit – contains necessary hardware to secure all duct assemblies. Optional Forced Air Kit (Model No. HD6-250-B) – replaces the inlet air assembly. Parts marked with asterisk are supplied with inlet air assembly. • One 250 cfm blower assembly • Flexible vinyl duct* • Two flanged collars with clamps.

Check tools and other building supplies. Tools should include: Phillips Screwdriver • Slot style screwdriver • Hammer • Saw and/or sabersaw • Level • Measuring tape • Plumbline • Electric drill and bits • Pliers • Square.

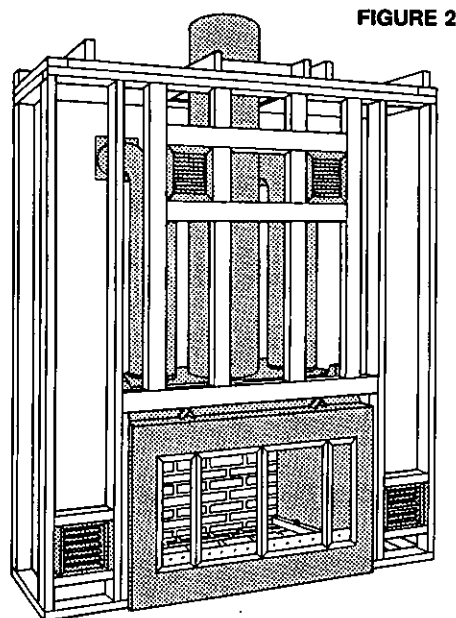
If gas pipe is used: • pipe wrench • pipe joint compound • pipe cutter • pipe threader.

Check inventory list to be sure you have all the parts in good condition.

Check for concealed damage.

Check the operation of dampers; three combustion (fresh) air system dampers inside the fireplace, one chimney flue damper – handle extends down from inside top of fireplace; push in to close, pull out to open – takes firm pressure to lock closed.

*UL Listed Class 1.



LISTING OF COMPONENT PARTS—E-Z ENERGIZER FIREPLACE SYSTEM

AK10-12	Flue Pipe Section, 3 piece, 12" length
AK10-18	Flue Pipe Section, 3 piece, 18" length
AK10-36	Flue Pipe Section, 3 piece, 36" length
AK10-30	Offset Elbow, 3 piece, 30°
AK10-E30	Return Elbow, 1 piece (unitized) with 4 support straps 36" long
AK10-S4	Stabilizer Pipe Section, unitized and strapped 4" length
AK10-L	Locking Band for pipe joints
AK10-FS	Firestop Spacer for vertical chimney
AK10-FS30	Firestop Spacer for 30° chimney
AK10-F6	Flashing with storm collar 0/12 to 6/12 pitch roof
AK10-F12	Flashing with storm collar 6/12 to 12/12 pitch roof
AK10-F60	Flashing with storm collar 60° (A-Frame) roof
AK10-SC	Storm Collar
AK10-CTD	Round Termination
AK10-UPT	Universal Pyramid Termination
AK10-UTT	Universal Tile Termination
AK10-H1	Single Simulated Brick Termination
AK10-H2	Double Simulated Brick Termination
AK10-HE 28	Hearth Extension for 28" models
AK10-HE 36	Hearth Extension for 36" - 43" models
AK10-WS 40	Wall Shield 40" x 40"
AK10-WS 20	Wall Shield 20" x 40"

BEFORE YOU START

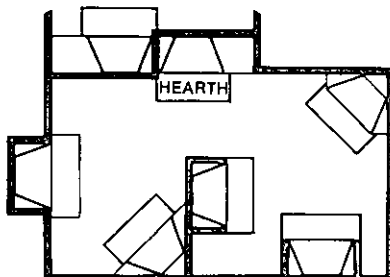
LOCATION OF FIREPLACE

Carefully select the proper location for heat circulation, aesthetics, chimney obstructions, and clearance to side walls. With proper preplanning, a slight adjustment of a few inches can save considerable time and expense during construction.

If there is a side wall closer than 18" from the nearest side of the fireplace opening it must be protected with a Wall Shield. See page 11.

Do not place fireplace on carpeting, vinyl or other soft-surfaced floor coverings. It may, however, be placed on flat wood, plywood, particle board or other hard surfaced materials.

FIGURE 4



GAS LINE

If you plan on using a gas line for gas logs or a log lighter, install a 1/2" pipe from source to within a few feet of the fireplace—you will complete the hookup later. See page 10).

CAUTION—be sure to check with local codes.

ASSEMBLY OUTLINE

1. Position and level the firebox for framing.
2. Install flue system.
3. Install outside air grilles and ducts.
4. Install room air grilles, ducts, and optional blowers.
5. Install heat outlet grilles and ducts.
6. Install glass door assembly.
7. Complete surround and hearth extension to your own individual taste.

Study the three dimensional drawing (Figure 6) to get a general idea of the location of each element of your system. Notice the relationship between the fireplace, the ducting, and chimney.

Measure your area and consult Table I for dimensions.

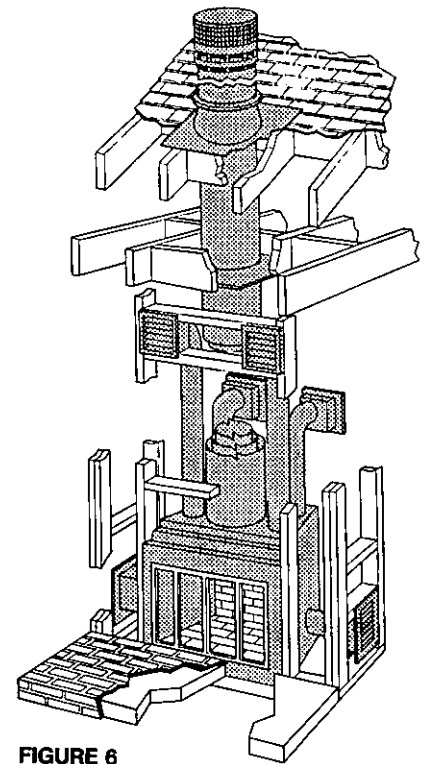
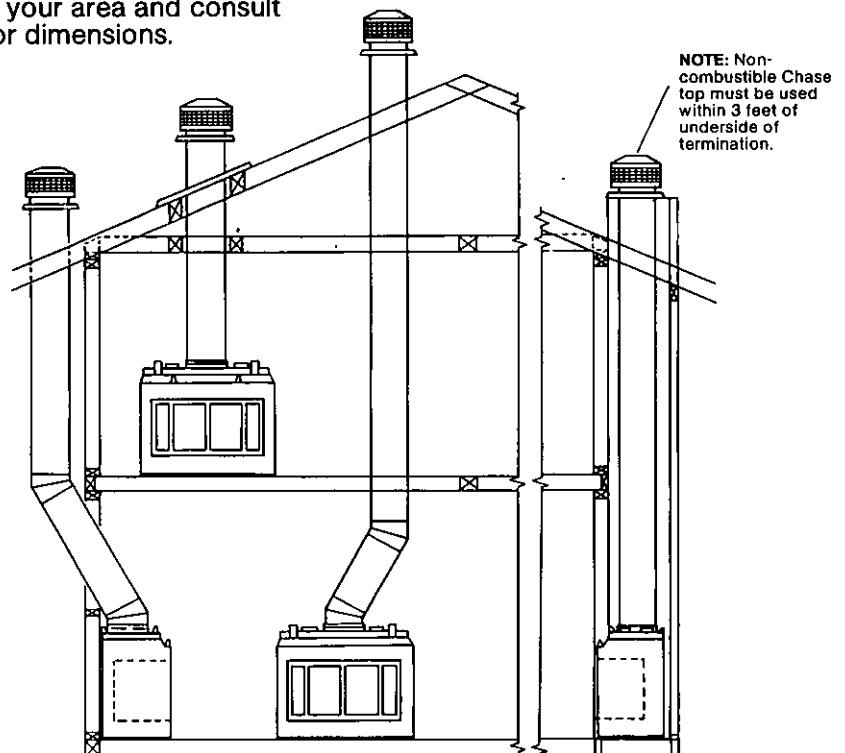


FIGURE 5



Installation Instructions E-Z Energizer Fireplaces

Heat circulating models SHC-43 and SHC-38, 43" and 38" front opening fireplaces

THE FIREPLACE

See figures on pages 4, 5 for dimensions of the fireplace unit and framing dimensions. Study these drawings before beginning work.

If you plan a raised hearth and hearth extension, build this platform assembly, then position fireplace on top. Figure 7.

All E-Z Energizer fireplaces must have a hearth extension that has to extend at least 20" from the fireplace to front edge, and 12" to each side of fireplace opening. See page 10 for additional information.

Usually, no special floor support is needed for the fireplace, however to be certain:

1. Estimate the total weight of the fireplace system and surround materials such as brick, stone, etc., to be installed.
2. Measure the square footage of floor space to be occupied by the system and surrounds.
3. Note the floor construction, i.e. 2 x 8's or 2 x 10's, single or double joists, type and thickness of floor boards.
4. Use this information and consult your local building code to determine if you need additional support.

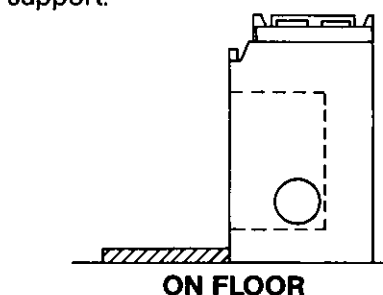
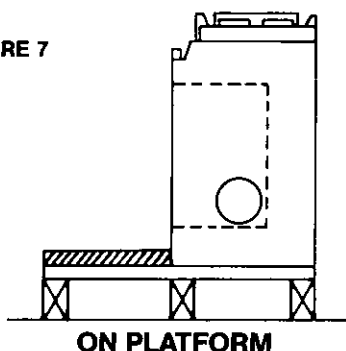


FIGURE 7



ON PLATFORM

TO INSTALL:

STEP 1 Slide fireplace into position on floor or raised platform.

STEP 2 Level fireplace, side to side and front to back, using shims. Figure 9.

STEP 3 When fireplace is installed on a combustible floor, insert the 4" wide metal safety strip(s) the full width of your E-Z Energizer, 2" under front edge of fireplace, as a protection against hot ash spill. This is not required if the fireplace is installed on a non-combustible floor. See page 10.

STEP 4 Nail down support blocks (not provided) at side and back to anchor fireplace in position. Figure 9.

STEP 5 Check operation of all three combustion air dampers and flue damper again.

STEP 6 See drawings and chart for framing requirements.

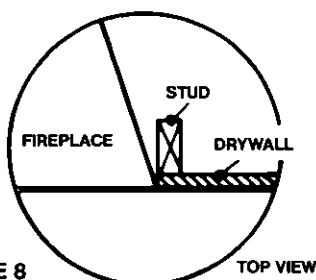


FIGURE 8

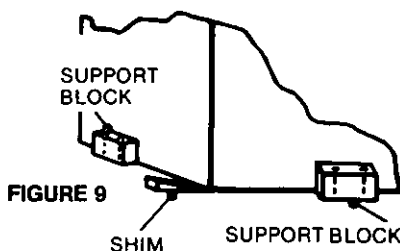


FIGURE 9

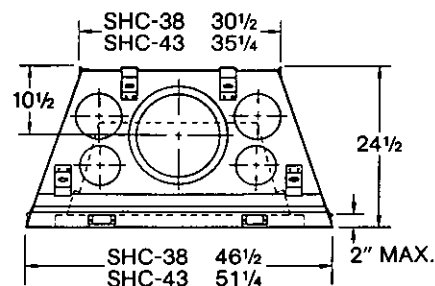


FIGURE 10

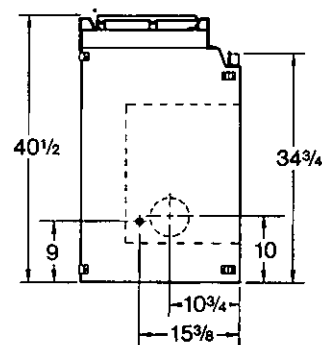


FIGURE 11

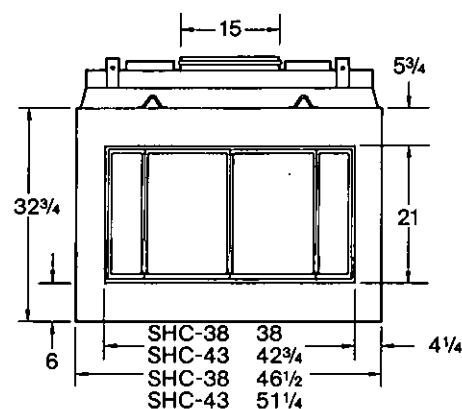


FIGURE 12

TABLE I
E-Z Energizer
FRAMING DIMENSIONS

INSTALLATION	WITHOUT BLOWER		WITH BLOWER FIREPLACE CENTERED		WITH BLOWER FIREPLACE OFF-CENTER	
	SHC38	SHC43	SHC38	SHC43	SHC38	SHC43
A	56 1/4	59 1/4	67 1/4	70 3/4	61 1/4	65 1/8
B	30 1/2	35 1/4	30 1/2	35 1/4	30 1/2	35 1/4
C	79 1/2	84 1/4	96 1/4	101	87 1/2	92 1/4
D	15 1/4	17 1/4	23 1/8	26	19 1/4	21 1/8
E	39 3/4	42 1/8	47 3/8	50 1/2	43 3/4	46 1/8
F	24 1/2	24 1/2	24 1/2	24 1/2	24 1/2	24 1/2
G	15 1/2	15 1/2	16 1/4	16 1/4	16 1/4	16 1/4
H	76 1/8	81 1/4	78 3/4	83 1/2	65 5/8	70 3/8

NOTE: DIAGRAMS & ILLUSTRATIONS NOT TO SCALE

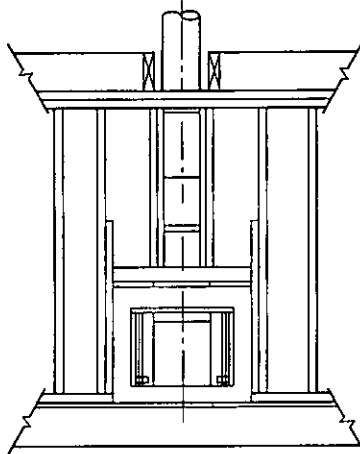
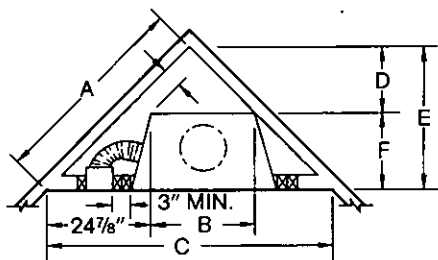
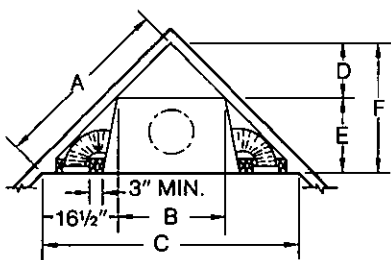


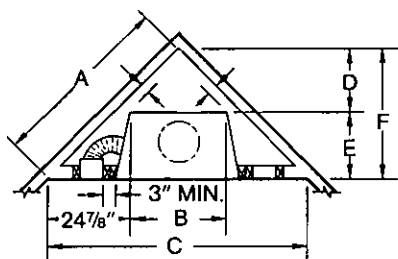
FIGURE 13



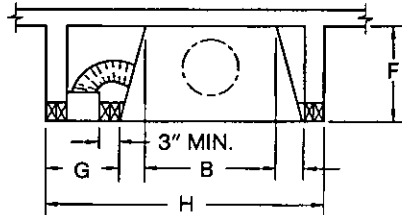
WITH BLOWER FIREPLACE OFF CENTER
FIGURE 14



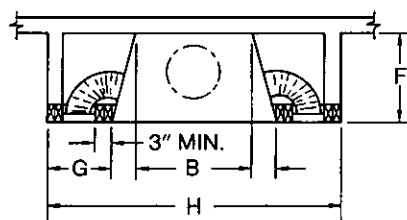
WITHOUT BLOWER
FIGURE 15



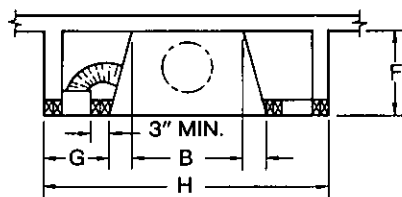
WITH BLOWER FIREPLACE CENTERED
FIGURE 16



WITH BLOWER FIREPLACE OFF CENTER
FIGURE 17



WITHOUT BLOWER
FIGURE 18



WITH BLOWER FIREPLACE CENTERED
FIGURE 19

TABLE II
FRAMING DIMENSIONS FOR CHIMNEY ROUTE
Minimum allowable (includes clearance)

TYPE FLUE	CEILING OPENING		ROOF OPENINGS			
	"A"	"B"	PITCH	"C"	"D"	
10" Air Kool Vertical	17"	17"	0/12	17"	17"	
Air Kool, Offset 30°	17"	26"	6/12	17"	19"	
(offset applies only to ceiling openings)			12/12	17"	24"	
			60°	17"	34"	

*Note: Align chimney opening in same direction as offset flue pipe

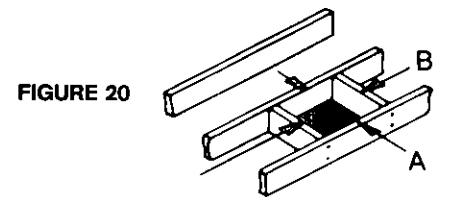


FIGURE 20

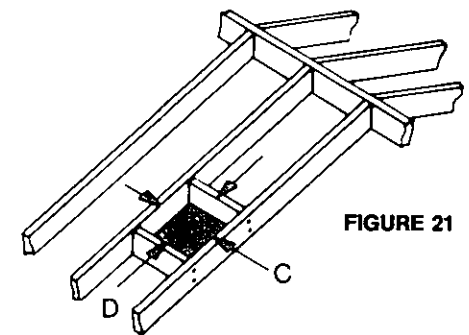


FIGURE 21

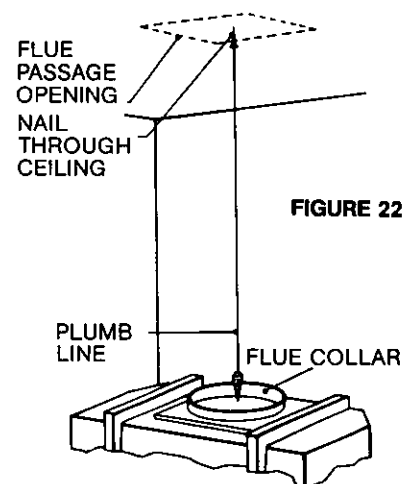


FIGURE 22

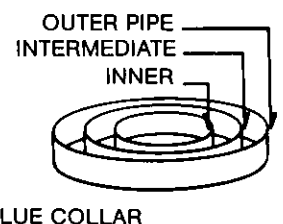


FIGURE 23

STRAIGHT UP INSTALLATION TO INSTALL:

STEP 1 Check damper operation. When damper is open blade should be vertical.

STEP 2 Frame openings for chimney route up through ceiling and roof or into outside chase. Framing must maintain adequate support. Figure 20 and 21.

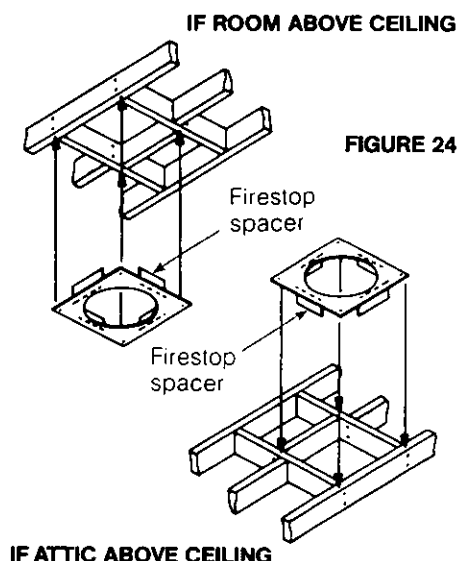
Plumb to center of flue collar from ceiling directly above, drive nail through ceiling from below to mark position, and then mark and cut passage from above ceiling (around nail). Figure 22.

Frame openings for chimney route up through ceiling and roof or into outside chase. Then plumb from ceiling level directly above hole which has just been completed. Roof framing must maintain adequate support.

Installation Instructions E-Z Energizer Fireplaces

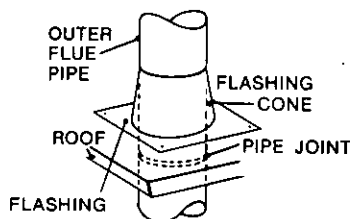
Heat circulating models SHC-43 and SHC-38, 43" and 38" front opening fireplaces

STEP 3 Position firestop spacers at ceiling and nail temporarily. Nail permanently when chimney is in and after any necessary adjustments have been made. Figure 24.



goes over the outside of the previous section. Continue to build flue pipe assembly up through framed openings, but do not assemble section which goes through roof opening. Figure 25.

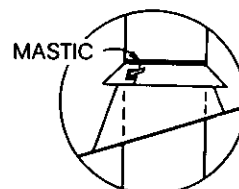
STEP 5 Center roof flashing over roof passage hole. Nail temporarily into position. If conical style flashing is used, make sure it has proper pitch by sliding outpipe section down into the flashing cone. Check proper alignment with flue pipe below, and that flue pipe will fit in full vertical position—use level. Adjust position of flashing to allow proper vertical alignment. Maintain minimum 1" clearance between the flue pipe and combustible materials. Figure 26.



STEP 6 Secure flashing by nailing along perimeter into roof. If shingled roof, slide upper end of flashing under shingle (trim if necessary) seal the top and both sides of the flashing to the roof with roof caulking. Cover nail heads with roof caulking. Add flue pipe to bring chimney up through roof and flashing, beginning with inner section. Use locking bands at joints above roof.

STEP 7 Flashing assembly includes a storm collar. Slide storm collar over outer flue, align with top surface of flashing, insert storm tab in slot, pull tight, and bend tab back over slot. Seal storm collar to outer flue pipe with roof caulking around entire circumference of pipe. (Also add extra roof caulking where storm collar meets flashing penetration and to the tab/slot area to seal completely against water penetration. Figure 27.

FIGURE 27



STEP 8 Your termination kit contains special installation instructions. Follow these steps carefully.

Minimum chimney height above the roof is specified by major U.S. building codes. These specifications are summarized by the "Ten foot rule." See figure 29 page 7.

STEP 9 A unitized stabilizer (AK10-S4) must be installed on each 30 foot interval. Install by fitting inner and intermediate sections down into respective sections of preceding flue pipe and locking outer stabilizer section into place over the outer flue pipe. Position for proper clearance through framed opening and nail straps securely (under tension) into place on framing. Attach successive lengths of flue pipe directly to stabilizer or elbow using same technique as described in Step

STEP 4 The three chimney snaps together from the fireplace up. Start with the 10" inner flue section with the hemmed end down, slip it between stainless steel insert and locking collar on the fireplace top. At all subsequent joints, the top 10" piece fits inside of the lower piece. Outer two pipes go in just the opposite way; hemmed end goes up and, each new section

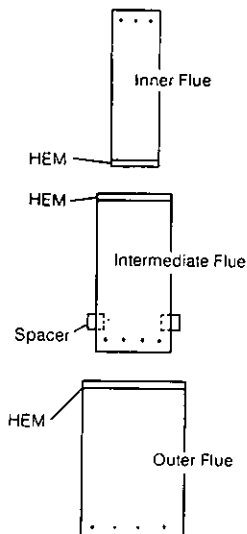


FIGURE 25

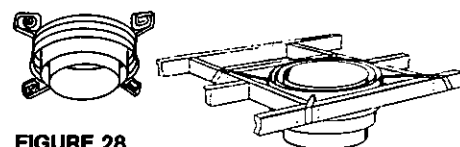


FIGURE 28

TEN FOOT RULE SUMMARY

If the horizontal distance from the chimney edge to the peak of the roof is 10 feet or less. The top of the chimney must be at least 2 feet above the peak of the roof.

If the horizontal distance from the chimney edge to the peak of the roof is more than 10 feet, a chimney height reference point is established on the roof surface 10 feet horizontally from the chimney edge. The top of the chimney must be at least 2 feet above this reference point, and not less than 3 feet above the roof at the edge of the chimney. (See figure 29, page 7).

The 2' in 10' rule is necessary in the interest of safety and does not

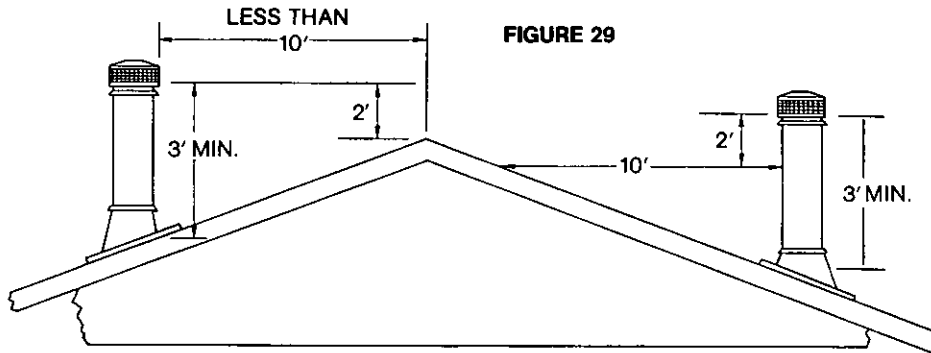


FIGURE 29

Remember, height of total fireplace system must be not less than 12'0" nor greater than 60'0".

insure smoke-free operation. Trees, buildings, adjoining rooflines, adverse wind directions, etc., may require a taller chimney should a smoking condition exist.

OFFSET INSTALLATION

To clear an overhead obstruction, you may offset your chimney using Superior 30° offset and return elbows.

Use two elbows—an offset elbow (AK10-30) to start the angle and a return elbow (AK10-E30) to end it. Use a section or sections of straight chimney pipe in between but do not exceed 10' in total between elbows.

Special Offset Instructions:

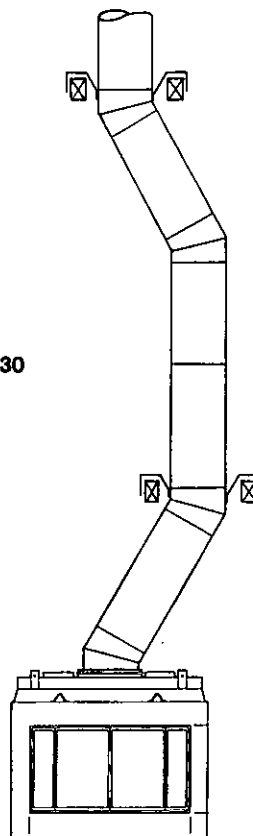
A 30° offset elbow, angling in any direction, may be the first piece of flue pipe off the top of the fireplace flue collar.

Maximum offset of flue system is 30°. Two offset elbows must not be assembled to form a 60° offset. However, two sets of offset and return elbows may be used on a single flue system.

A minimum of one 12" length of flue must be installed between the offset and return elbows.

Return elbow support straps must be securely attached under tension to structural framing member above.

FIGURE 30



Determine Offset:

To determine specific dimensions for various flue pipe lengths, refer to the Offset Elevation Chart.

To determine combinations of flue pipe needed above the return elbow to reach desired heights, refer to Vertical Elevation Chart.

HOW TO USE OFFSET ASSEMBLIES AND VERTICAL INSTALLATION ELEVATION CHARTS

1. Use Offset Chart to determine amount of horizontal offset (A) and Height (B) for various flue pipe section assemblies.
2. Use "height of flue only" column on Vertical Elevation Chart to determine combinations of pipe used above return elbow to achieve desired heights. AK10-CTD ROUND CONTEMPORARY TOP ADDS 6" TO THE EFFECTIVE HEIGHT DIMENSION.
3. To use Elevation Chart as job estimator, add necessary firestop spacers, one per floor level.

TO INSTALL:

STEP 1 Determine the offset distance where the flue is to pass through the first ceiling—dimension "A".

To find this point on your ceiling, first determine the centerpoint for a straight up chimney following instruction #2 for straight up installation.

Measure height to the ceiling from top of fireplace—dimension "B". Use offset Elevation Chart to find dimension "A".

Mark point where you will drive your nail to show the centerpoint for your offset ceiling cut.

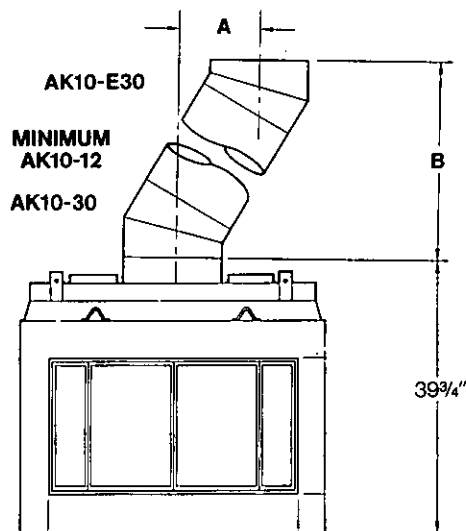
STEP 2 Proceed by using the Straight Up Installation Instructions for cutting and framing ceiling and roof openings. Snap lock offset elbow onto fireplace. Install diagonal chimney run. Slip and snap lock return elbow. Secure under tension support straps to overhead framing (see steps 3 through 8 in Straight Up Installation).

NOTE: The size of the ceiling opening if flue penetrates ceiling at 30° offset, is 17" x 26". Additionally, the size of the roof opening varies with the degree of the pitch of the roof. See chart, page 5, Table II.

Installation Instructions E-Z Energizer Fireplaces

Heat circulating models SHC-43 and SHC-38, 43" and 38" front opening fireplaces

E-Z ENERGIZER CHIMNEY OFFSET ASSEMBLY CHARTS



E-Z ENERGIZER FIREPLACE SYSTEM
WITH 10" AIR KOOL CHIMNEY SYSTEM

FIGURE 31

A"	B"	AK10-30 OFFSET ELBOW	AK10-E30 RETURN ELBOW	AK10- 12" FLUE	AK10- 18" FLUE	AK10- 36" FLUE
9	23 1/2	1	1	1		
12	28 1/2	1	1		1	
14	32 1/2	1	1	2		
17	38	1	1	1	1	
20	43	1	1		2	
21	44 1/2	1	1			1
22	47	1	1	2	1	
25	52	1	1	1	2	
26	53 1/2	1	1	1		1
28 1/2	57	1	1		3	
30	58	1	1		1	1
34 1/2	67 1/2	1	1	1	1	1
38	74	1	1			2
42	80 1/2	1	1	1	4	
43 1/2	83 1/2	1	1	1		2
45 1/2	87	1	1		3	1
46 1/2	88 1/2	1	1		1	2
48 1/2	92	1	1	2		2
51 1/2	97 1/2	1	1	1	1	2
54 1/2	102 1/2	1	1		2	2
55 1/2	104	1	1			3
57	107	1	1	2	1	2
60 1/2	113 1/2	1	1	1		3

E-Z ENERGIZER VERTICAL INSTALLATION ELEVATION CHART

Net Height Fireplace and Flue	Height Flue Only	AK10 No. Flue Lengths (See Minimum Height Chart)							
		12"	18"	36"					
12'	8' 7"			3	27' 4"	23' 10"	1		8
12' 3"	8' 10"	2	1	2	27' 10"	24' 4"		1	8
12' 10"	9' 6"	1		3	28' 2"	24' 9"	2		8
13' 4"	10'		1	3	28' 8"	25' 3"	1	1	8
13' 9"	10' 4"	2		3	29' 4"	25' 10"			9
14' 3"	10' 10"	1	1	3	29' 7"	26' 1"	2	1	8
14' 10"	11' 6"			4	30' 2"	26' 9"	1		9
15' 1"	11' 9"	2	1	3	30' 8"	27' 3"		1	9
15' 9"	12' 4"	1		4	31' 1"	27' 7"	2		9
16' 3"	12' 10"		1	4	31' 7"	28' 1"	1	1	9
16' 7"	13' 3"	2		4	32' 2"	28' 9"			10
17' 1"	13' 9"	1	1	4	32' 5"	29' 0"	2	1	9
17' 9"	14' 4"			5	33' 1"	29' 7"	1		10
18'	14' 7"	2	1	4	33' 7"	30' 1"		1	10
18' 7"	15' 3"	1		5	33' 11"	30' 6"	2		10
19' 1"	15' 9"		1	5	34' 5"	31' 0"	1	1	10
19' 6"	16' 1"	2		5	35' 1"	31' 7"			11
20'	16' 7"	1	1	5	35' 4"	31' 10"	2	1	10
20' 7"	17' 3"			6	35' 11"	32' 6"	1		11
20' 10"	17' 6"	2	1	5	36' 5"	33' 0"		1	11
21' 6"	18' 1"	1		6	36' 10"	33' 4"	2		11
22'	18' 7"		1	6	37' 4"	33' 10"	1	1	11
22' 4"	19'	2		6	37' 11"	34' 6"			12
22' 10"	19' 6"	1	1	6	38' 2"	34' 9"	2	1	11
23' 6"	20' 1"			7	38' 10"	35' 4"	1		12
23' 9"	20' 4"	2	1	6	39' 4"	35' 10"		1	12
24' 4"	21'	1		7	39' 8"	36' 3"	2		12
24' 10"	21' 6"		1	7	40' 2"	36' 9"	1	1	12
25' 3"	21' 10"	2		7	40' 10"	37' 4"			13
25' 9"	22' 4"	1	1	7	41' 1"	37' 7"	2	1	12
26' 4"	23' 0"			8	41' 8"	38' 3"	1		13
26' 7"	23' 3"	2	1	7	42' 2"	38' 9"		1	13
					42' 7"	39' 1"	2		13
					43' 1"	39' 7"	1	1	13
					43' 8"	40' 3"			14
					43' 11"	40' 6"	2	1	13
					44' 7"	41' 1"	1		14
					45' 1"	41' 7"		1	14
					45' 5"	42' 0"	2		14
					45' 11"	42' 6"	1	1	14
					46' 7"	43' 1"			15
					46' 10"	43' 4"	2	1	14
					47' 5"	44' 0"	1		15
					47' 11"	44' 6"		1	15
					48' 4"	44' 10"	2		15
					48' 10"	45' 4"	1	1	15
					49' 5"	46' 0"			16
					49' 8"	46' 3"	2	1	15
					50' 4"	46' 10"	1		16
					50' 10"	47' 4"		1	16
					51' 2"	47' 9"	2		16
					51' 8"	48' 3"	1	1	16
					52' 3"	48' 10"			17
					52' 6"	49' 1"	2	1	16
					53' 2"	49' 9"	1		17
					53' 8"	50' 3"		1	17
					54' 0"	50' 7"	2		17
					54' 6"	51' 1"	1	1	17
					55' 2"	51' 9"			18
					55' 4"	52' 0"	2	1	17
					56' 0"	52' 7"	1		18
					56' 6"	53' 1"		1	18
					56' 11"	53' 6"	2		18
					57' 4"	54' 0"	1	1	18
					58' 0"	54' 7"			19
					58' 3"	54' 10"	2	1	18
					58' 11"	55' 6"	1		19
					59' 4"	56' 0"		1	19
					59' 9"	56' 4"	2		19
					60' 3"	56' 10"	1	1	19

HOW TO USE OFFSET ASSEMBLYS AND VERTICAL INSTALLATION ELEVATION CHARTS 1. Use Offset Chart to determine amount of horizontal offset (A) and height (B) for various flue pipe section assemblies. 2. Use "height of flue only" column on Vertical Elevation Chart to determine combination of pipe used above return elbow to achieve desired heights. 3. To use Elevation Chart as job estimator, add necessary firestop spacers, one per floor level. Also, add appropriate number of stabilizers. (See General Information in Installation Instructions for stabilizer requirements).

COMBUSTION (FRESH) AIR SYSTEM

Outside air drawn into the E-Z Energizer performs two vital functions: **1. Supplies necessary air to the fire for combustion.** **2. Cools the chimney.** There are two poker-operated, shut-off dampers at each side, inside the fireplace. To open, pull forward all the way. Dampers must be fully open when fireplace is being operated.

At the front of the fireplace is a combustion air distribution bar and damper to regulate the amount of combustion air. Turn the knob counter-clockwise to loosen the slide for easy moving, clockwise to lock in place. When the fireplace is not in use, fully close the three dampers to prevent cold air from entering your home. Figure 32.

If ashes accumulate in the air distribution bar, remove the front cover under the fire screen by removing two screws, and vacuum when ashes are completely cold.

TO INSTALL:

STEP 1 Locate the source of outside air for the combustion system: We recommend inlets be installed at least 7' above ground level on an outside wall where they cannot be blocked by shrubs, snow drifts, etc.

STEP 2 Cut a 9"x9" square hole through outside wall. Frame as required to mount inlet box.

STEP 3 Attach 7" flexible aluminum duct to the inlet box with two screws and set box into frame; secure to framing with nail driven through holes in each side of box.

STEP 4 Attach grill with louvers directed toward ground.

STEP 5 Attach other end of duct to 7" collar on fireplace, using two screws per duct. Duct extends to a maximum of 60'.

Caution: In no event may the total duct for bringing in outside air exceed 50 feet. REFER TO ENCLOSED METAL FLEX INSTALLATION DIRECTIONS.

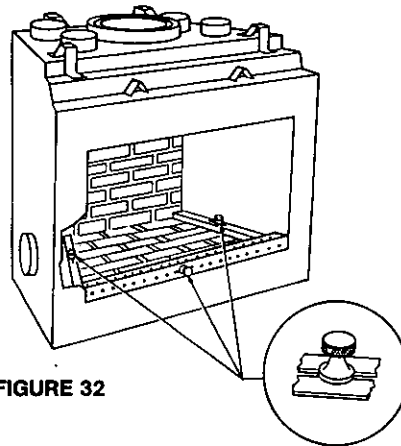


FIGURE 32

HEAT CIRCULATING DUCT SYSTEM

Heat circulating duct system draws room air in through inlet grills and ducts where it is heated in special chambers under and around the fireplace. The heated air is exhausted through two outlet ducts at the top of the fireplace. Never obstruct or close these air inlets or outlets. See Figure 33.

The heat circulating duct system inlets:

You can bring air from adjacent rooms with ducting and increase the circulation of heated air within the home reducing the temperature variation between rooms.

The E-Z Energizer comes with two air inlet duct assemblies for natural convection (gravity) operation. An optional Forced Air Kit (Model No. HD6-250-B) is available for forced air circulation.

To install with natural convection (gravity) air inlets:

STEP 1 Rough-in two 9"x9" openings, in a suitable location, one on each side of the fireplace. (see illustration)

STEP 2 Remove the two air inlet covers, one from each side of the fireplace.

STEP 3 Re-using the screws, install the flange collars over the air inlets.

STEP 4 Secure the grill housings into the rough-in openings with nails driven into the framing mem-

bers. (See hole in grill housing).

STEP 5 Connect the grill housings to the fireplace with the two lengths of flexible vinyl duct and secure with the four clamps provided.

STEP 6 After wall is finished, attach the grill faces to the grill housing with screws provided.

To install with Forced Air Kit:

Note that with the Forced Air Kit, only one inlet duct is required.

STEP 1 Rough-in one 10 1/8" wide x 12 1/8" high opening on either side of the fireplace.

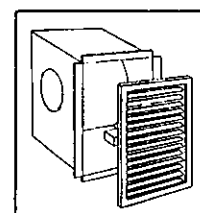
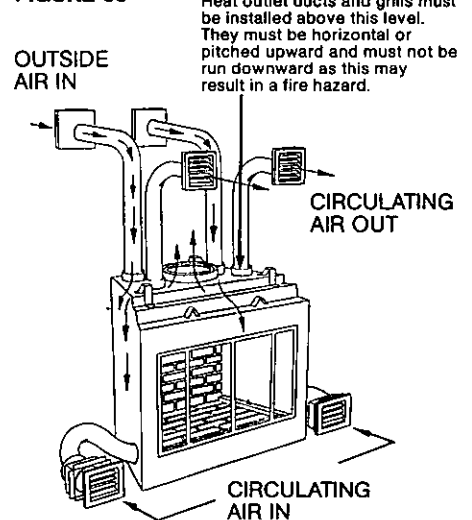
STEP 2 Remove the air inlet cover on the side of the fireplace nearest the blower.

STEP 3 Re-using the screws, install a flanged collar over the air inlet.

STEP 4 Install a flanged collar on the back of the blower housing.

STEP 5 Secure the blower housing into the rough-in opening with nails driven into the framing members through the holes provided.

FIGURE 33



Optional Forced Air Blower produces 250 cfm. Used in lieu of (2) 8" x 8" gravity air inlets.

Installation Instructions E-Z Energizer Fireplaces

Heat circulating models SHC-43 and SHC-38, 43" and 38" front opening fireplaces

STEP 6 Connect the blower housing to the fireplace with the flexible duct and secure with the clamps provided. Note: Trim the excess flexible vinyl duct to provide a taut run between the blower and fireplace. This will maximize the heat circulating operation.

STEP 7 Run a standard household 120V electric line to the right side of blower housing. Install a standard UL listed wall switch or variable speed control (not included) at a convenient location between the power source and the blower.

STEP 8 Connect the power supply to the blower housing junction box. All electrical connections to be in accordance with local codes.

STEP 9 After wall is finished install the grill face to the housing with screws provided.

NOTE: The blower, housing and grilles should be cleaned to remove lint and motor oiled at least annually. The blower housing is designed to permit easy removal and servicing. To service, simply remove the grill face, unplug the blower from the junction box, remove the locking screw and slide the blower out. Oil blower motor with S.A.E. 20 oil at openings on each side of name plate.

THE HEAT CIRCULATING DUCT SYSTEM OUTLETS:

The heat outlets may be installed in the same or adjoining room as the fireplace. Locating the outlet boxes is important for safety and aesthetics. With a roaring fire, the outlet grills may surpass 200°F; therefore, we recommend they be positioned with the top edge at least 6" below the ceiling, and the bottom edge at least 72" above the floor to keep children from accidentally touching them. Outlet boxes are ready for installation flush with wall surface. To install to framing before drywall application, there's a plaster stop, adjustable for 1/2" to 3/4". Simply bend the perforated tabs to the desired position.

To increase efficiency, insulate the

heat outlet ducts with a high temperature insulation such as mineral wool or rock wool.

If your chimney is offset, left or right, the heat circulating ducts may have to be offset to prevent interference.

To install:

STEP 1 Rough-in two 9"x9" openings in the desired locations.

STEP 2 Secure the grill housings to the framed openings with nails driven into the framing through the holes provided.

STEP 3 Fully extend the 6" diameter heat outlets located on top of firebox with two screws provided

STEP 4 Bend the ducts and secure to grill housings with two screws provided.

STEP 5 After wall is finished, attach the grill faces with screws provided.

Note: Louvers must face downward. Remember: Both air outlets must be connected to insure safe fireplace operation. Maintain at least 1" clearance from duct to combustibles.

FINISHING YOUR FIREPLACE INSTALLATION

Gas Line:

If you're installing a gas line, connect it now:

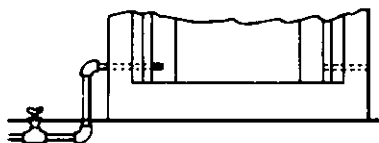


FIGURE 34

STEP 1 Knock out plug in side of fireplace outer casing and fireplace side shield nearest to gas line supply.

STEP 2 Run 1/2" black iron pipe through fireplace wall. Consult accessory installation instructions. Note, gas logs will not produce as much heat as a real wood fire.

STEP 3 Check connections for leaks with soap suds—Do not use open flames!

Cold Climate Insulation:

If you live in a cold climate, seal all cracks around fireplace and wherever cold air could enter room. It's especially important to insulate outside chase cavity between studs and under floor on which fireplace rests if floor of outside chase is above ground level.

Framing:

It's best to frame your fireplace after it is positioned, the chimney is installed, heat circulating ducts, and air inlet/outlet boxes are in their final positions. Frame with 2x4's (or heavier) lumber.

Note: The header may rest on the metal spacers, but must not be notched to fit around them.

No clearance is required between the framing and fireplace. However, remember a 1" clearance is required between framing and the chimney and heat circulation outlet ducts.

To install the fireplace facing flush with the finished wall, position framework to accommodate the thickness of the final finishing material. Figure 5.

HEARTH EXTENSIONS AND WALL SHIELDS:

- If fireplace is installed on a combustible floor, a hearth extension must be used. Figure 35.

- The hearth extension must extend 12" beyond both sides of the fireplace opening and 20" beyond the front. Use either the metal hearth extension (Model No. AK10-HE36) manufactured by Superior Fireplace Company, a 1/2" thickness of millboard (or equivalent*) or a 2" thickness of brick to protect combustible floors (See page 4). These materials may be covered by a decorative non-combustible veneer. Note: Total height of hearth extension not to exceed 2".

- If fireplace is installed on a combustible floor, use the metal

safety strips (provided) on the floor extending half under the fireplace and half under the hearth extension.

- The crack between the fireplace and hearth extension must be sealed with a non-combustible material.
- When installing the hearth extension be careful not to block the heat circulating air inlets.
- Secure the hearth extension to the floor to prevent possible shifting.
- If a side wall is closer than 18" to the fireplace opening, a wall shield is required. Use metal wall shields (Model No. AK10-WS40) manufactured by Superior Fireplace Company or a 40" x 40" x 1" millboard or equivalent non-combustible material*. The wall shields may be covered with a decorative non-combustible veneer. Figure 35.

*For information regarding equivalent non-combustible materials and construction details, contact Superior Fireplace Company, Customer Service Department

FINISH TO YOUR TASTE:

There are a wide variety of "finished looks" for your E-Z Energizer fireplace—from formal wall treatments with mantels to rustic wood paneling to warm brick facings. If you are using a combustible material, do not overlap the black fireplace facing. Figure 36.

Seal all joints between fireplace facing and wall surrounds with a non-combustible material.

Non-combustible materials, like tile, stone, brick, etc., may overlap the edge of the fireplace opening, thus completely hiding the black fireplace facing; but be sure not to interfere with the operation of the glass door.

GLASS DOOR ASSEMBLY

To install the pre-assembled glass doors (packaged separately):

STEP 1 Remove and save the 8 sheet metal screws from inside the fireplace frame (2 per side which coincide with hole locations on door frame assembly.)

STEP 2 Fireplace is shipped with a screen rod cover that is removed at this time. Do not re-install with glass door assembly; the cover may be discarded.

STEP 3 Install the wood handles with the wood screws provided in the hardware kit (two per handle). Caution: Do not over tighten.

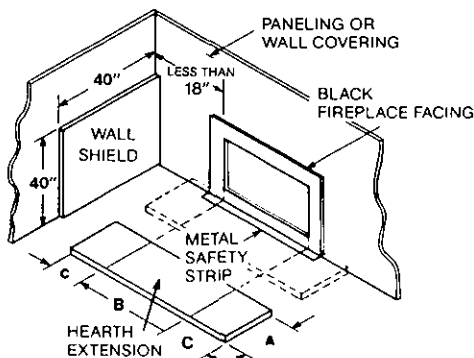
STEP 4 Position glass door assembly in fireplace frame with wood handles on the bottom.

STEP 5 Secure glass door assembly to the fireplace frame with the 8 sheet metal screws removed previously.

Caution: Superior glass doors (PN 7494 & PN 7596) are for use on the E-Z Energizer fireplaces only. Use on any other fireplace will constitute a potential fire hazard. Glass and metal frame get hot—Use wood handles to open.

HEARTH EXTENSION DIMENSIONS (INCHES)

LTR	E-Z ENERGIZER	
	SHC-38	SHC-43
A	20	20
B	38	42 $\frac{3}{4}$
C	12	12



NOTE: SEE CHART FOR DIMENSIONS

FIGURE 35

FIGURE 36

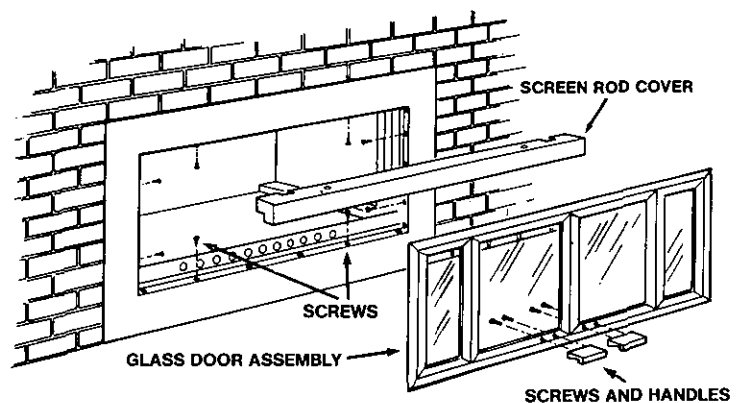
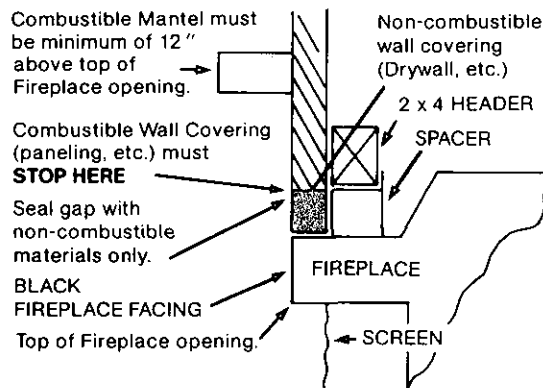


FIGURE 37

Installation Instructions E-Z Energizer Fireplaces

Heat circulating models SHC-43 and SHC-38, 43" and 38" front opening fireplaces

E-Z ENERGIZER Limited Warranty 25 Years

The Warranty

Superior Fireplace Company warrants this E-Z Energizer fireplace to be free from defects in materials and workmanship at the time of manufacture. The Company also warrants this E-Z Energizer fireplace to provide smoke-free operation for a period of five years from date of installation.

If the E-Z Energizer fireplace system covered by this Warranty is found to be defective (see Superior's right of investigation outlined below), Superior will at its option repair or replace the E-Z Energizer fireplace system in accordance with the following schedule:

- (1) During the first 90 days of the Warranty, Superior Fireplace Company will provide at no charge replacement glass panes should the glass panes be broken resulting from defects in materials and workmanship but will assume no responsibility for labor costs. Superior Fireplace Company is not responsible for accidental breakage caused by impact incurred in transit, handling or operation either before, during or after installation.
- (2) During the first five years of the Warranty, Superior Fireplace Company will provide replacement or repair parts (except glass panes) at no charge and also will pay for reasonable labor costs for repair work.
- (3) During the 6th through the 10th year of the Warranty, Superior Fireplace Company will provide replacement or repair parts at no charge but will assume no responsibility for labor costs; and;
- (4) During the 11th through 25th year of the Warranty, Superior Fireplace Company will make replacement or repair parts available at 50% off the then prevailing factory list prices for same, F.O.B. factory.

Notification of Remedy

If Superior Fireplace Company finds the E-Z Energizer fireplace system to be defective under the provisions of this Warranty, the Company will then, in writing, so notify the fireplace system purchaser of which option (replacement or repair) Superior has elected to pursue. Written notice shall be signed by a responsible officer of the Company. No other form of advice regarding Superior Fireplace Company's election of option is authorized or binding upon the Company.

Qualifications to the Warranty

The complete E-Z Energizer fireplace Warranty outlined above is further subject to the following qualifications:

- (1) The E-Z Energizer fireplace must be installed in accordance with Superior Fireplace Company installation instructions and local building codes. The Warranty on this E-Z Energizer fireplace system is null and void if component parts not of Superior manufacture are used in this fireplace system.
- (2) The E-Z Energizer fireplace must be subjected to normal use including burning such natural fireplace fuels as wood and coal. Fuel products with abnormal burning characteristics, including synthetic fuels (such as plywood and logs made from pressed-wood particles), burn at excessive temperatures and may cause damage to the E-Z Energizer fireplace or may cause it to function improperly. Superior Fireplace Company does not warrant the performance of the E-Z Energizer fireplace when such fuels have been used.
- (3) Fires in the E-Z Energizer fireplace must be built on a fireplace grate.

Limitation of the Liability

It is expressly agreed and understood that Superior Fireplace Company's sole obligation and purchaser's exclusive remedy under this warranty, under any other warranty, expressed or implied, or otherwise, shall be limited to replacement or repair as specified above.

In no event shall Superior Fireplace Company be responsible for any incidental or consequential damages caused by defects in its E-Z Energizer products, whether such damage occurs or is discovered before or after replacement or repair, and whether or not such damage is caused by Superior Fireplace Company's negligence. Some States do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. The duration of any implied warranty applicable to this E-Z Energizer fireplace system is limited to the duration of the foregoing warranty. Some States do not allow limitations on how long an implied warranty lasts, so the above may not apply to you.

Investigating Claims Against Warranty

Superior Fireplace Company reserves the right to investigate any and all claims against this Warranty and at its sole discretion to decide upon method of settlement.

Superior Fireplace Company Not Responsible For Work Done Without Written Consent

Superior Fireplace Company shall in no event be responsible for any Warranty work done without first obtaining Superior's written consent.

Dealers Have No Authority To Alter This Warranty

Superior Fireplace Company's employees and dealers have no authority to make any warranty nor to authorize any remedies in addition to or inconsistent with those stated above.

How To Register A Claim Against Warranty

In order for any claim under this Warranty to be valid, Superior Fireplace Company must be notified of the claimed defect in writing or by telephone to Superior Fireplace Company, attention Customer Service Department, 4325 Artesia Avenue, Fullerton, California 92633, Telephone: 714-521-7302, as soon as reasonably possible after the defect is discovered. Claims against this Warranty made in writing should include the date of installation, and a description of the defect.

Implied Warranty Rights

This Warranty gives you specific legal rights. You also have implied warranty rights. In the event of a problem with warranty service or performance, you may be able to go to a small claims court, a State court, or a Federal district court.

Superior reserves the right to make changes at any time, without notice, in design, materials, specifications, prices and also to discontinue colors and products.

Distributed by:

SUPERIOR.
The Fireplace Company
Division of MOBEX Corporation

4325 Artesia Avenue
Fullerton, CA 92633

Plants in Fullerton, CA
Baltimore, MD, Union City, TN

Brick Township Construction Permit Application for Plumbing

1. LOCATION

NUMBER and STREET	SECTION	LOT	BLOCK
21 ROCHESTER DRIVE	SEAWOOD HARBOR	8	211A

PROPOSED USE

2. TYPE of IMPROVEMENT ☒ NEW BUILDING ☐ ALTERATION ☐ ADDITIONAL FIXTURES

☐ WELL ☐ SEPTIC ☒ SEWER (B.T.M.U.A.) ☒ WATER (B.T.M.U.A.)

3. PLUMBING FIXTURES

	NUMBER OF	FEE
1. WATER CLOSET	2- W.S.	10
2. LAVATORIES	2	10
3. BATH TUB	1	5
4. SHOWER STALL or DRAIN	1	5
5. KITCHEN SINK	1	5
6. SLOP SINK		
7. LAUNDRY TRAY		
8. DISHWASHER	1	5
9. WASHING MACHINE	1	5
10. URINALS		
11. FLOOR DRAIN		
12. DRINKING FOUNTAIN		
13. FOOD WASTE GRINDER		
14. SEWER PUMP or EJECTOR		
15. GREASE TRAP		
16. OIL SAND SEPARATOR		
17. AIR CONDITIONER REFRIGERATOR WATER COOLED		
18. HOT WATER HEATER ☒ OIL ☐ GAS ☐ ELECTRIC	Coil in furnace	5
19. DENTAL UNIT		
20. LAWN SPRINKLERS NO. OF HEADS		
21. WELL (PRIVATE))		
22. WELL PUMP		
23. SEPTIC		
24. PLUMBING STACKS		10.00

4. MATERIAL SPECIFICATIONS

BUILDING SEWER
WATER SERVICE 3/4" 160
BUILDING DRAIN SCH 40
WASTE SCH 40
VENTS SCH 40
WATER PIPE 3/4" Copper

5. INSPECTIONS

	DATE	INSPECTOR
SLAB		
ROUGH		
WATER		
SEWER		
FINAL		

6. COMMENTS

All Moen faucets
+ fixtures

PLUMBER

Alan H. D. P. P. P.

LICENSE #

2007

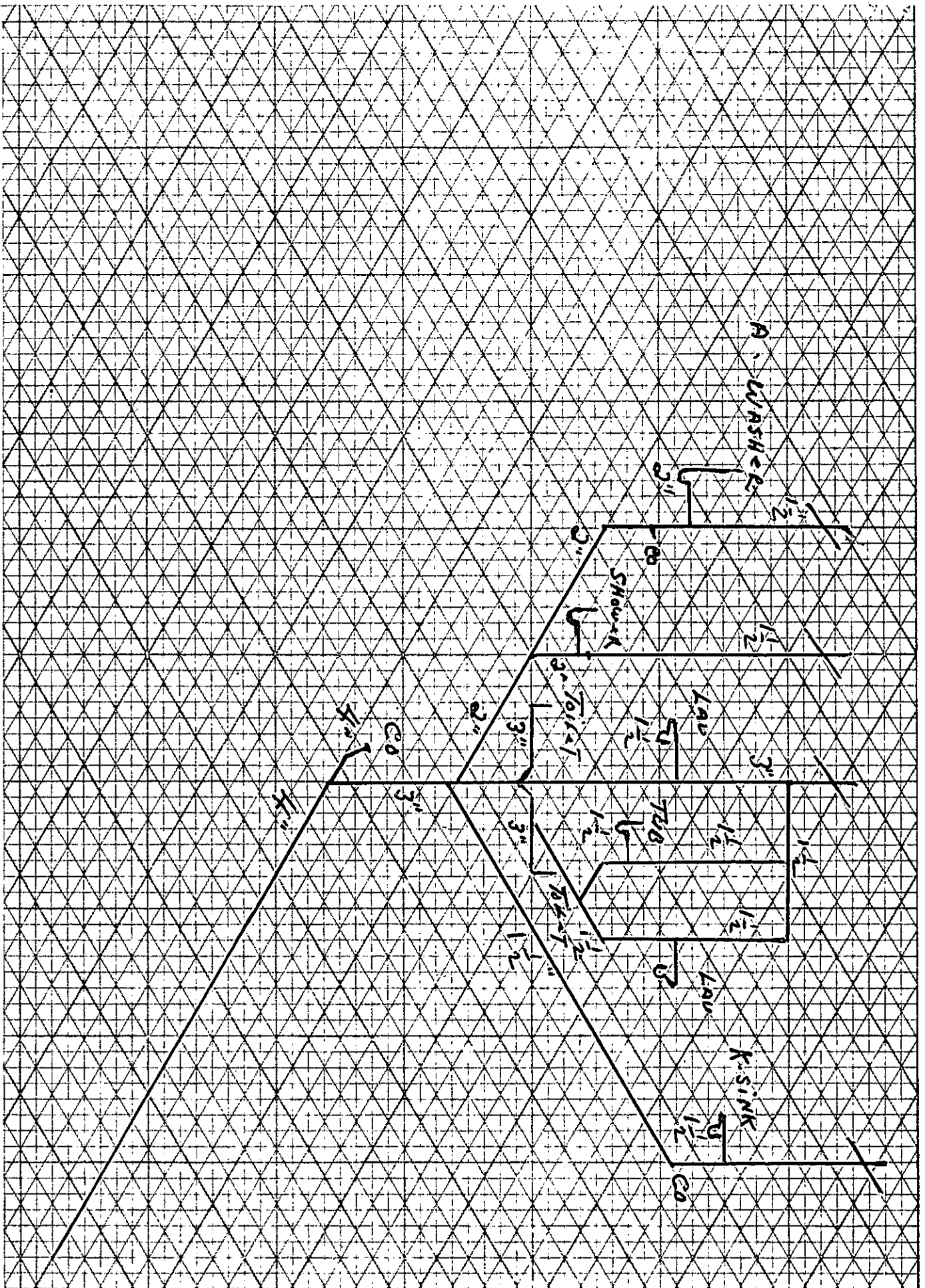
PLUMBING FEE \$

60

PERMIT #

A-6368

9/12/80



**THE BRICK TOWNSHIP
MUNICIPAL UTILITIES AUTHORITY**

1551 HIGHWAY 88 WEST
BRICK TOWN, NEW JERSEY 08723

CERTIFICATE OF AVAILABILITY OF UTILITY SERVICES

Date: Sept. 10, 1980

To: Township of Brick

The following is the status of the availability of utilities for the property listed hereon.

Block: 211-A Lot: 8

Location: 211 Rochester Dr.

Name: Ken Ballerona

Address: 211 Rochester Dr., Bricktown

1. Utility is available for use.
2. Utility is not available, and will not be constructed in the foreseeable future. Individual system may be used.
3. Utility is in design or under construction and is projected to be available by _____. Individual system may be used in interim.

Water	Sewer
✓	✓

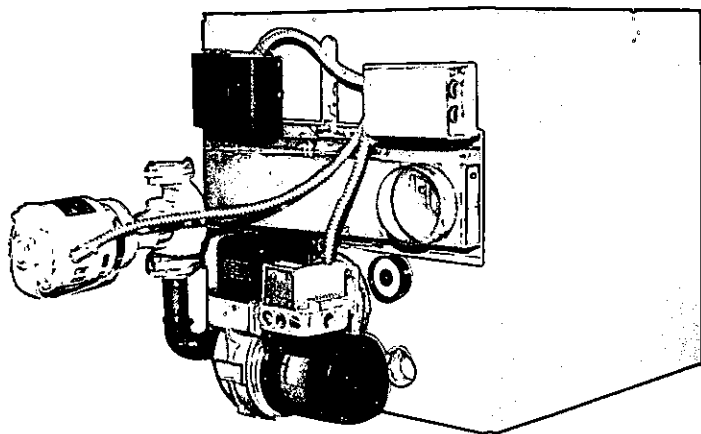
NOTE: This form is only a statement of availability of utilities and should not be construed as an application for such utilities. Application should be submitted to the BTMUA as soon as possible after issuance of a building permit, but in no case less than 4 weeks before anticipation of a Certificate of Occupancy.

For the BTMUA

John D. Beyer

A-6368

Blue Flame Oil Fired Boiler



CHECK THESE EXCLUSIVE FEATURES

- Zero smoke—No soot
- Average combustion efficiency—86.6%
- Thermal efficiency—85.7%
- Boiler water content—26 gallons
- Domestic water supply, tankless coil—5 GPM standard
- Wet base scotch marine dry back design
- UL listed - ASME code construction, SBI rated
- No tubular baffling
- Low water cut-off standard
- 25-yr. limited warranty

DEVELOPED UNDER BROOKHAVEN NATIONAL
LABORATORY CONTRACT

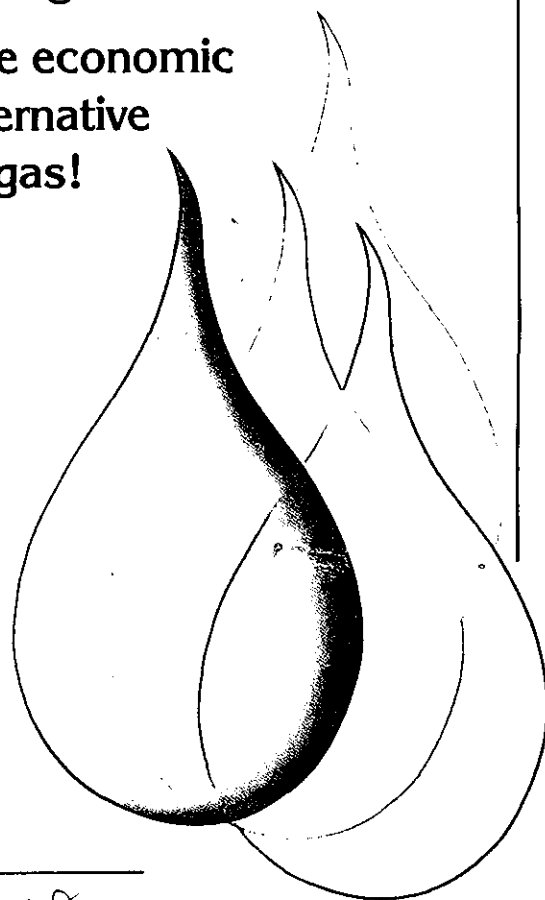


Bluecray Systems, Inc.

Incorporating the patented revolutionary blue flame burning process.

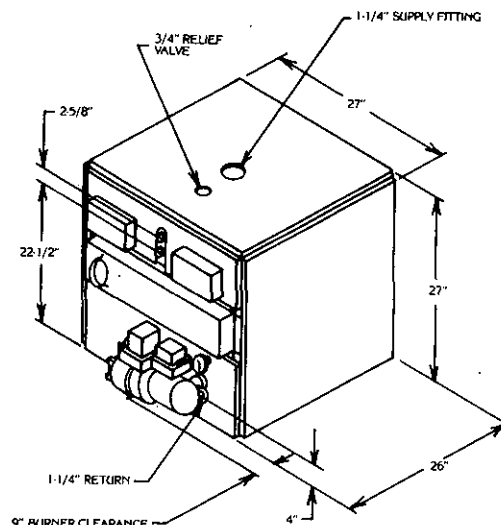
The new energy efficient home heating unit that slashes homeowners' fuel oil bills by an average of 38%.

The economic
alternative
to gas!



A-6368

SPECIFICATIONS



Model

DOE Gross Output (BTU/HR)

DOE Net Rating (BTU/HR)

SBI Gross Output¹ (BTU/HR)

SBI Net Rating² (BTU/HR)

Input (BTU/HR)

Nozzle (Monarch CC)

Water Content (Gal.)

Domestic Coil Capacity*

Draft in Stack (in. w.c.)

Heat Exchanger Tubes (number)

Flue Diameter

Boiler Surface Area (In²)

CO₂ (nominal) %

Net Stack Temp (°F)

Chimney Size (in x in x ft)

Fuel Pump

Pump Pressure (psi)

Flame Sensor (Honeywell)

Primary Relay (Honeywell)

Thermostat Heat Anticipator (amps)

Hydronic Control (Honeywell)

Electronic low water cut-off (McDonald & Miller)

Approximate Shipping Weight (lbs)

Width

Depth, including burner

Height

BR60

72,000

62,600

69,000

60,000

84,000

.60 - 70°

28

5 (GPM)

.03-.05

12

5"

2837

14

350

8 x 8 x 20

A2VA7116

100

C55OD1005

R8189D1007

.2

L8124C1005

#901

400

27"

35"

27"

BR75

90,000

78,300

85,000

73,900

105,000

.75 - 70°

26

5 (GPM)

.03-.05

15

5"

3404

14

350

8 x 8 x 20

A2VA7116

100

C55OD1005

R8189D1007

.2

L8124C1005

#901

425

27"

35"

27"

*Coil capacity based on 5 min. draw - 10 min. waiting period.

1. Based on SBI tests at 12 1/4% CO₂

2. Net ratings based on factor of 1.15 pickup and piping loss.

3. Input based on oil at 140,000 BTU/GAL

4. Gross output may be used as the basis for boiler selection if the boiler and piping are within the area to be heated.

MINIMUM CLEARANCES TO COMBUSTIBLE MATERIALS

6 in. from the top of the boiler

0 in. from either side

24 in. from the front

*9 in. from the chimney connector

6 in. from the rear

0 in. from the floor

Before purchasing this appliance, read important energy cost and efficiency information available from your retailer.



Blueray Systems, Inc.

Route 61, Schuylkill Haven, PA 17972 • 717-385-0731 • 800-233-3144

When Oil Burns Blue,
Oil Burns Better.

Brick Township Construction Permit Application for Plumbing

1. LOCATION

NUMBER and STREET	SECTION	LOT	BLOCK
21 ROCHESTER DRIVE	SEAWOOD HARBOR	8	211 A

PROPOSED USE

2. TYPE of IMPROVEMENT ☒ NEW BUILDING ☐ ALTERATION ☐ ADDITIONAL FIXTURES

☐ WELL ☐ SEPTIC ☒ SEWER (B.T.M.U.A.) ☒ WATER (B.T.M.U.A.)

3. PLUMBING FIXTURES

	NUMBER OF	FEE
1. WATER CLOSET	2 W.S.	10
2. LAVATORIES	2	10
3. BATH TUB	1	5
4. SHOWER STALL or DRAIN	1	5
5. KITCHEN SINK	1	5
6. SLOP SINK		
7. LAUNDRY TRAY		
8. DISHWASHER	1	5
9. WASHING MACHINE	1	5
10. URINALS		
11. FLOOR DRAIN		
12. DRINKING FOUNTAIN		
13. FOOD WASTE GRINDER		
14. SEWER PUMP or EJECTOR		
15. GREASE TRAP		
16. OIL SAND SEPARATOR		
17. AIR CONDITIONER REFRIGERATOR WATER COOLED		
18. HOT WATER HEATER ☒ OIL <i>Coil in furnace</i>		5
☐ GAS ☐ ELECTRIC		
19. DENTAL UNIT		
20. LAWN SPRINKLERS NO. OF HEADS		
21. WELL (PRIVATE)		
22. WELL PUMP		
23. SEPTIC		
24. PLUMBING STACKS		10.00

4. MATERIAL SPECIFICATIONS

BUILDING SEWER
WATER SERVICE $\frac{3}{4}$ 160
BUILDING DRAIN SCH 40
WASTE SCH 40
VENTS SCH 40
WATER PIPE m Copper

5. INSPECTIONS

	DATE	INSPECTOR
SLAB		
ROUGH	11/26/80	<i>[Signature]</i>
WATER		
SEWER		
FINAL	2/10/81	<i>[Signature]</i>

2-11-81

6. COMMENTS

*all Moen faucets
& fixtures*

PLUMBER

Alan A. P. P. P.

LICENSE

2007

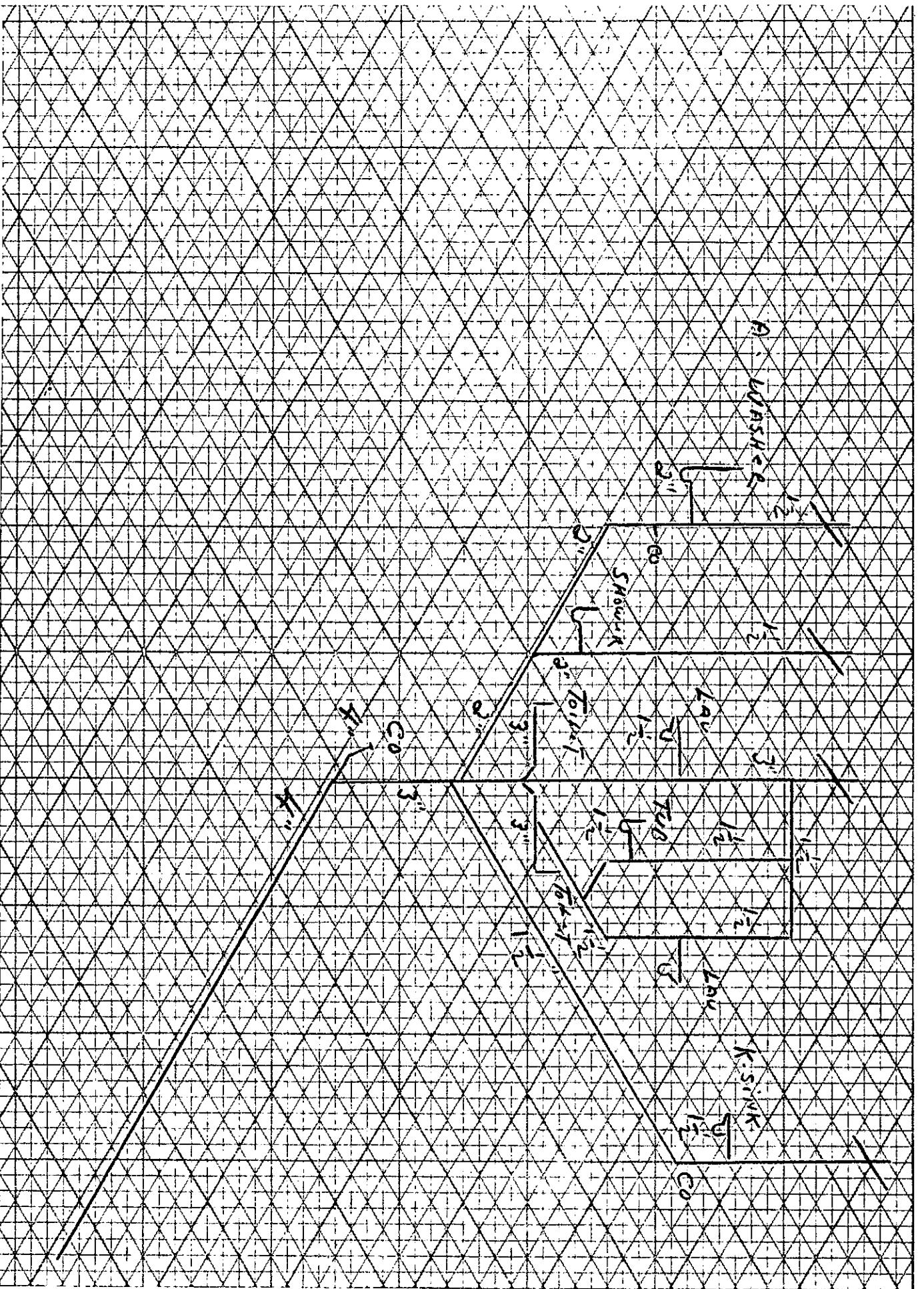
PLUMBING FEE \$

60

PERMIT #

A-6368

9/12/80



**THE BRICK TOWNSHIP
MUNICIPAL UTILITIES AUTHORITY**

660 MANTOLOKING ROAD
BRICK TOWNSHIP, NEW JERSEY 08723

CERTIFICATE OF COMPLIANCE

Date.....2-17-81.....

NAME.....BOLLERMAN, RON.....

ADDRESS.....21 ROCHESTER DRIVE, BRICK TOWN, N.J.....08723

PROPERTY LOCATION.....21 ROCHESTER DRIVE.....

Account No.....D968200..... Block.....211-A..... Lot.....8.....

I hereby certify that the above applicant has complied with all Rules
and Regulations of this Authority and has paid all required fees and charges.

For the Authority.....*Calleen Bradley*.....



DEPARTMENT OF COMMUNITY AFFAIRS
DIVISION OF HOUSING
BUREAU OF CONSTRUCTION CODE ENFORCEMENT
NEW HOME WARRANTY PROGRAM
CN 800
Trenton, New Jersey 08625

CERTIFICATE OF PARTICIPATION
in New Home Warranty Security Fund

PURCHASER

1 RONALD + JOAN BOLLERMAN
NAME
358-5 KETTLE CREEK RD.
STREET AND NO.
TOMS RIVER N.J.
CITY STATE ZIP

NEW DWELLING UNIT LOCATION

3 21 ROCHESTER DRIVE
STREET NAME AND NUMBER
SEAWOOD HARBOR
SUBDIVISION NAME
211-A 8
BLOCK NUMBER LOT NUMBER
BAKA TOWNSHIP OCEAN
MUNICIPALITY COUNTY

COMMENCEMENT DATE

4

COMMENCEMENT DATE	month	day	year
	<u>FEB</u>	<u>14</u>	<u>1981</u>

(The date of closing or first occupancy, whichever occurs first.)
NOTE: Any change in the commencement date must be reported to the Bureau.

BUILDER

2 SERRO CUSTOM HOMES INC.
NAME
1110 BARTON AVE
STREET AND NO.
PT. PLEASANT N.J. 08742
CITY STATE ZIP

SELLING PRICE* 46,500.00

Amount of Premium 186.00
(Selling Price $\times$ 1% $\times$.4)

N.J. BLDR. REGISTRATION # 01909
Michael Serro
Registered Builder's Signature
*Any change in the selling price & premium must be reported to the Bureau along with supplemental payment if applicable.

MORTGAGEE INFORMATION

5 CLEAN FEDERAL SAVINGS
NAME OF MORTGAGEE
CHAMBERS BRIDE RD.
STREET AND NUMBER
BRICK TOWN N.J.
CITY STATE ZIP

This certifies that the above described dwelling unit carries a New Home Warranty issued pursuant to the New Home Warranty and Builders' Registration Act, Chapter 46:3B1 et seq. Said warranty is valid for varying periods of 1, 2, and 10 years subject to the terms and conditions of the Act.

NOTE: See reverse side in case of sale of property.

Philip B. Caton, Director
Division of Housing



CERTIFICATE
NUMBER

05588 FEB 17 81

MUNICIPAL COPY



B.T.
OCEAN COUNTY ELECTRICAL BUREAU
COURT HOUSE
TOMS RIVER, NEW JERSEY
FOR MUNICIPAL RECORDS

GENTLEMEN:

PREMISES OWNED BY

Ron Bollerman

OCCUPIED BY

21 Rochester Dr. B-211A L-8

LOCATION

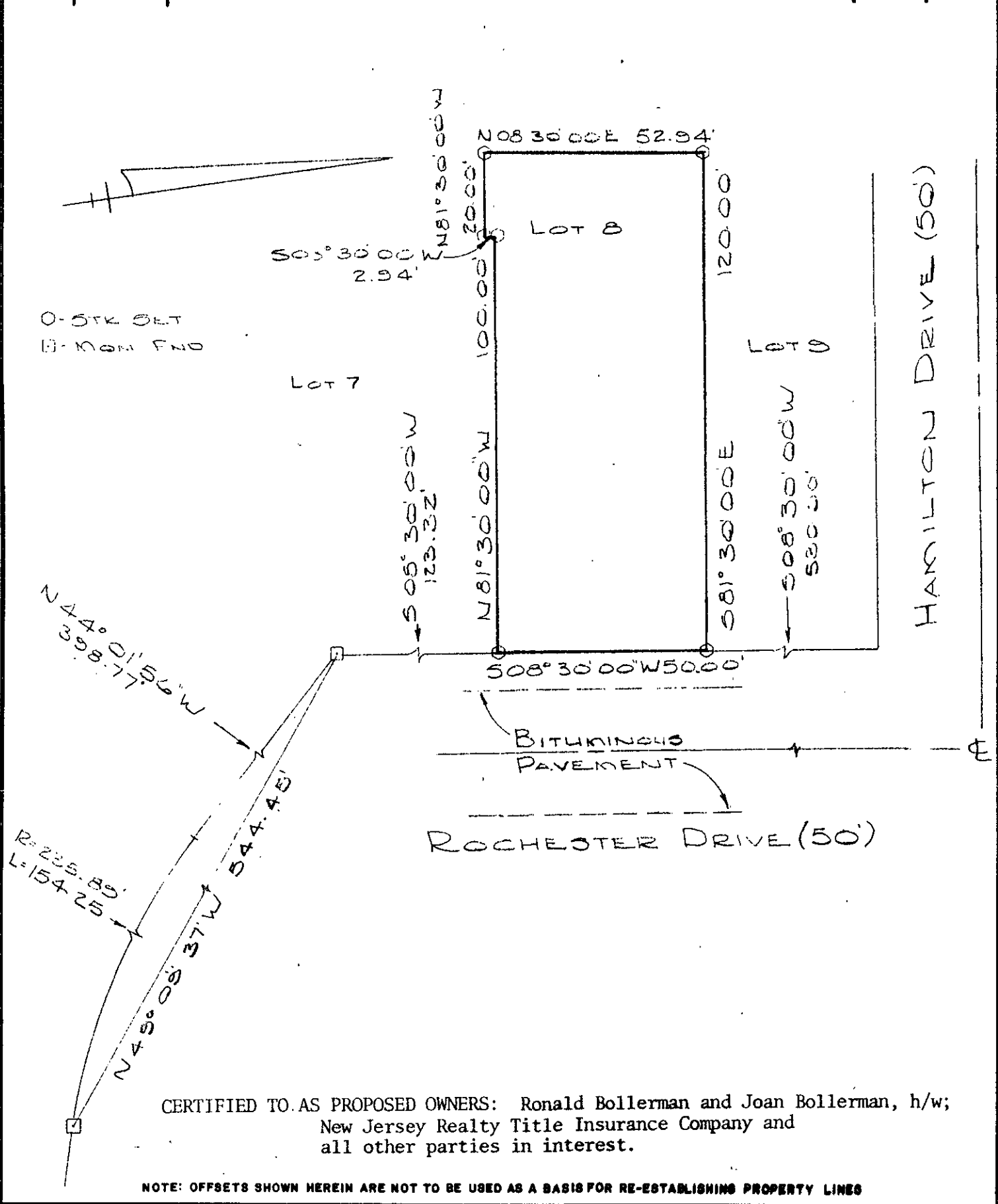
"Installation in the above premises has been inspected and is in accordance with the current edition of the National Electrical Code, Regulations and Orders of the Board of Public Utility Commissioners and requirements of the utility company as filed with the Board."

SERVICE 150 Amp RANGE ✓ HEATER ✓

FIXTURES 19 RECEPTACLES 28 MISC. D.W.

2-8-81 APPLICATION # 13773 B. Kerschey
ELEC. 107

NO.	DATE	DESCRIPTION OF REVISION	BY	CHK'D
-----	------	-------------------------	----	-------



SURVEY MAP OF

LOT 8 BLOCK 211A
SEA-WOOD HARBOR
SECTION 1

FILED IN THE OCEAN COUNTY CLERK'S
OFFICE MAY 7, 1984 AS MAP NO F-160

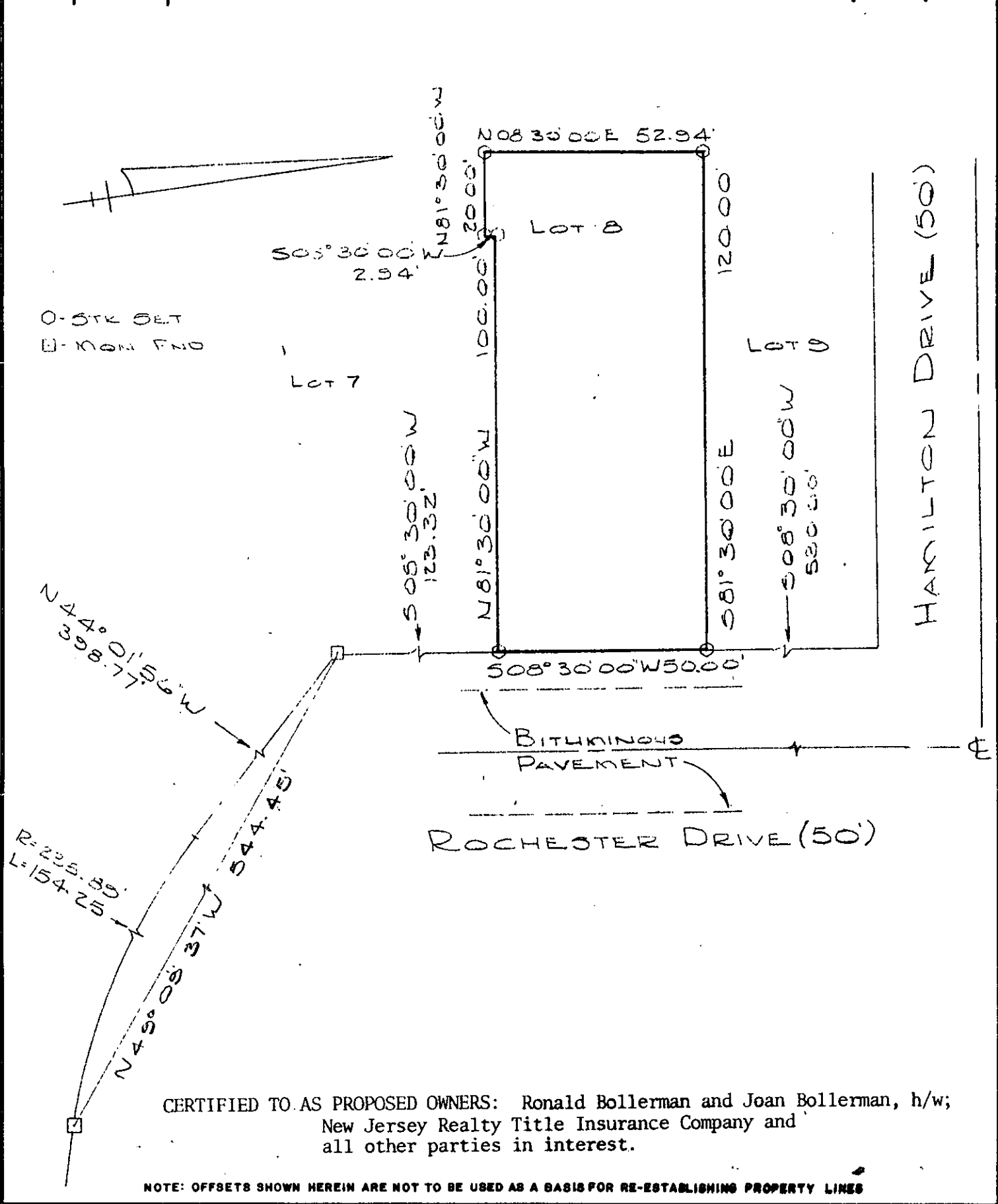
BRICK TOWNSHIP OCEAN COUNTY NEW JERSEY

A-6368

 RICHARD P. RUSS STEPHEN S. LOCKETT LINUEL R. LLOYD, JR. CONSULTANT: MARCUS H. RUSSELL		RUSSELL AND RUSS CONSULTING CIVIL ENGINEERS 132 HOOPER AVENUE TOMS RIVER, N.J. 08753		SCALE: 1" = 30'
P.E. & L.S. NO. 19568 P.E. NO. 24637 L.S. NO. 18569		DRAWN BY: <i>HB</i>		CHK'D BY: <i>LR</i>
P.E. & L.S. NO. 12131		FLD. BK. NO. <i>BRICK 2</i> FILE NO. 80-14		SURVEYED BY: W.L./J.C.
				DATE: APRIL 25, 1980

Plan No. 15
Class Date 9/12/80
9/12/80
BY O/C DM

NO.	DATE	DESCRIPTION OF REVISION	BY	CHK'D
-----	------	-------------------------	----	-------



SURVEY MAP OF

LOT 8 BLOCK 211A
SEA-WOOD HARBOR
SECTION 1

FILED IN THE OCEAN COUNTY CLERK'S
OFFICE MAY 7, 1984 AS MAP NO. F-160

BRICK TOWNSHIP OCEAN COUNTY NEW JERSEY

A.6368

 RICHARD P. RUSS STEPHEN S. LOCKETT LINUEL R. LLOYD, JR. CONSULTANT: MARCUS H. RUSSELL		RUSSELL AND RUSS CONSULTING CIVIL ENGINEERS 132 HOOPER AVENUE TOMS RIVER, N.J. 08753		SCALE: 1" = 30' DRAWN BY: <i>HB</i> FLD. BK. NO. <i>BRICK 2</i> SURVEYED BY: W.L./J.C. DATE: APRIL 25, 1980	
P.E. & L.S. NO. 19666 R.E. NO. 24887 L.S. NO. 16569 P.E. & L.S. NO. 12131		CHK'D BY: <i>HB</i> FILE NO. 80-14			

BRICK TOWNSHIP

Plan Review

Class

Date

By

12/5
Zoning

Plumbing

Building

Fire

Energy

Electrical

9/10/80

JIC

DM

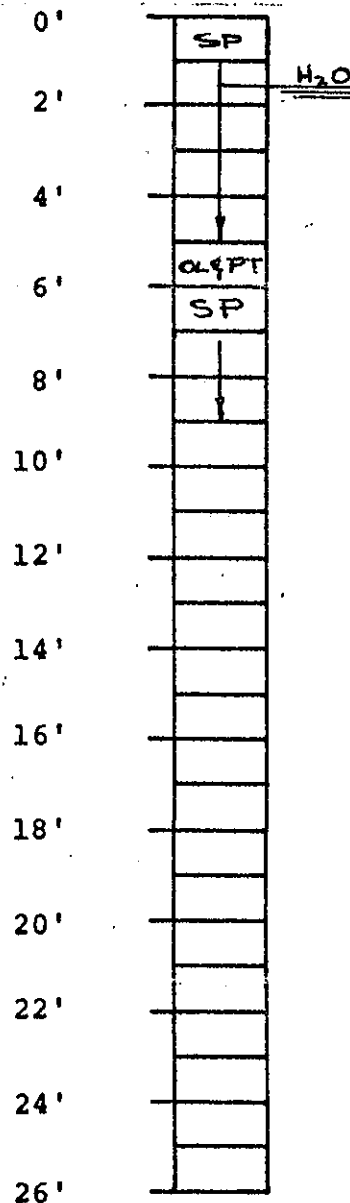
UNIFIED CLASSIFICATION SYSTEM

COARSE-GRAINED SOILS (More than half of material is larger than No. 200 sieve size.)	Soil	Major Divisions	Group Symbols	Typical Names	Field Identification Procedures
	Gravels	Clean gravels	GW	Well-graded gravels, gravel-sand mixtures, little or no fines	Wide range in grain sizes and substantial amounts of all intermediate particle sizes
			GP	Poorly graded gravels or gravel-sand mixtures, little or no fines	Predominantly one size or a range of sizes with some intermediate sizes missing
		Gravels with fines	GM	Silty gravels, gravel-sand-silt mixture	Nonplastic fines or fines with low plasticity (for identification procedures see ML in part 2 of table)
			GC	Clayey gravels, gravel-sand-clay mixtures	Plastic fines (for identification procedures see CL in part 2 of table)
	Sands	Clean sands	SW	Well-graded sands, gravelly sands, little or no fines	Wide range in grain size and substantial amounts of all intermediate particle sizes
			SP	Poorly graded sands or gravelly sands, little or no fines	Predominantly one size or a range of sizes with some intermediate sizes missing
		Sands with fines	SM	Silty sands, sand-silt mixtures	Nonplastic fines or fines with low plasticity (for identification procedures see ML in part 2 of table)
			SC	Clayey sands, sand-clay mixtures	Plastic fines (for identification procedures see CL in part 2 of table)

FINE-GRAINED SOILS (More than half of material is smaller than No. 200 sieve size.)	Soil	Major Divisions	Group Symbols	Typical Names	Identification Procedures on Fraction Smaller than No. 40 Sieve Size		
					Dry Strength	Dilatancy	Toughness
	Silts and clays	Liquid limit less than 50	ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity	None to slight	Quick to slow	None
			CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays	Medium to high	None to very slow	Medium
			OL	Organic silts and organic silty clays of low plasticity	Slight to medium	Slow	Slight
		Liquid limit more than 50	MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.	Slight to medium	Slow to none	Slight to medium
			CH	Inorganic clays of high plasticity, fat clays	High to very high	None	High
			OH	Organic clays of medium to high plasticity, organic silts	Medium to high	None to very slow	Slight to medium
	Highly organic soils		Pt	Peat and other highly organic soils	Readily identified by color, odor, spongy feel and frequently by fibrous texture		

Test Hole No. 1

O.G. Elev. 4.3
ASSUMED



Richard P. Russ
 RICHARD P. RUSS P.E. & L.S. NO. 18665
 STEPHEN S. LOCKETT P.E. NO. 24837
 LINUEL P. LLOYD, JR. L.S. NO. 15559
 CONSULTANT: MARCUS H. RUSSELL P.E. & L.S. NO. 12131

RUSSELL AND RUSS
 CONSULTING CIVIL ENGINEERS
 132 HOOPER AVENUE
 TOMS RIVER, N.J. 08783

SCALE: None
 DRAWN BY: — CHK'D BY: *SP*
 FLD. BK. NO. *BRICK* FILE NO. 80-14
 SURVEYED BY: W. LOCKETT
 DATE: MARCH 3, 1980

A-6368

BRICK TOWNSHIP

Plan Review Class Date By

Zoning

9/10/80 JK

Plumbing

9/10/80 DM

Building

Fire

Energy

Electrical