

Brick

Permit Without a Jacket

Permit Number 4456

Construction Permit # 4456

Aug. 1, 1985

Owner Joseph Nazaro

Location 506 Nebraska Ave.

Block 1399-24 Lot 96

Contractor Same

Fee \$.60.00 Use Pool

BUILDING SUB-CODE INSPECTIONS

VIOLATIONS

Footing Trench

Foundation

Slab

Sheathing

Framing

Insulation

Sheet Rock

Plumbing

Fire Inspection

Final

C.O. Issued

PLUMBING SUB-CODE INSPECTIONS

Slab

Rough

Septic/Sewer

Water

Final

Electrical Final

Use reverse side for additional remarks

CONSTRUCTION PERMIT APPLICATION
BRICK TOWNSHIP, NEW JERSEY

RECEIVED

IMPORTANT — Complete ALL items. Mark boxes where applicable JUL 23

I. LOCATION OF BUILDING	Number and street	Section	Lot	Block
	506 NEBAASKA AVE N S E W side of (Other local geographic, political, or legal subdivision identification)	HOLLYWOOD MANOR N S	24	24

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
8 ☒ Swim Pool ☐ in ☒ out
9 ☐ Fence

B. OWNERSHIP

- 8 ☐ Private (individual, corporation, nonprofit institution, etc.)
9 ☐ Public (Federal, State, or local government)

D. PROPOSED USE — For "Wrecking" 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
15 ☐ Garage
16 ☐ Carport
17 ☐ Other — Specify

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

C. COST

10. Cost of improvement ☒ \$ 460.00
To be installed but not included in the above cost
a. Electrical (# Fixtures, Outlets)
b. Plumbing (# of Fixtures)
c. Heating, air conditioning
d. Other (elevator, etc.)
11. TOTAL COST OF IMPROVEMENT \$

(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.

III. SELECTED CHARACTERISTICS OF BUILDING —

For new buildings and additions, complete Parts E - I; 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

F. TYPE OF HEATING SYSTEM

Specify
Air Cond. Yes ☐ No ☐

G. TYPE OF SEWERAGE DISPOSAL

- ☐ Public
☐ Individual

H. DIMENSIONS

Number of stories
Total square feet of floor area, all floors, based on exterior dimensions
Total land area, sq. ft.

I. RESIDENTIAL BUILDING ONLY

Number of bedrooms
Number of bathrooms

FEE COMPUTATIONS

VOLUME OF BUILDING

BUILDING SUB CODE

ELECTRICAL CODE

PLUMBING CODE

PLAN REVIEW

CERTIFICATE OF OCCUPANCY

STATE TRAINING FUND

CONSTRUCTION

PERMIT FEE

36.00

5.00

20.00

60.00

4450

SEE REVERSE

Chuck

SUB CONTRACTORS

	NAME	TRADE	ADDRESS	ZIP CODE	PHONE #
1.					
2.					
3.					
4.					
5.					
6.					
7.					
8.					

PERSON TO BE IN CHARGE OF CONSTRUCTION

NAME *West Coast Installers* 390-0404

ADDRESS

IV. IDENTIFICATION — To be completed by all applicants

	Name	Mailing address — Number, street, city, and State	ZIP code	Tel. No.
1. Owner Agent	<i>Joseph & Susan Mazzaro</i>	<i>500 Milwaukee Ave.</i>	<i>08724</i>	<i>458-1473</i>
2. Contractor				
3. Architects				

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

Address

Application date

DO NOT WRITE IN THIS SPACE — FOR OFFICE USE ONLY

Approved by

R M Kelly

Date permit issued

8-1-85

Permit Number

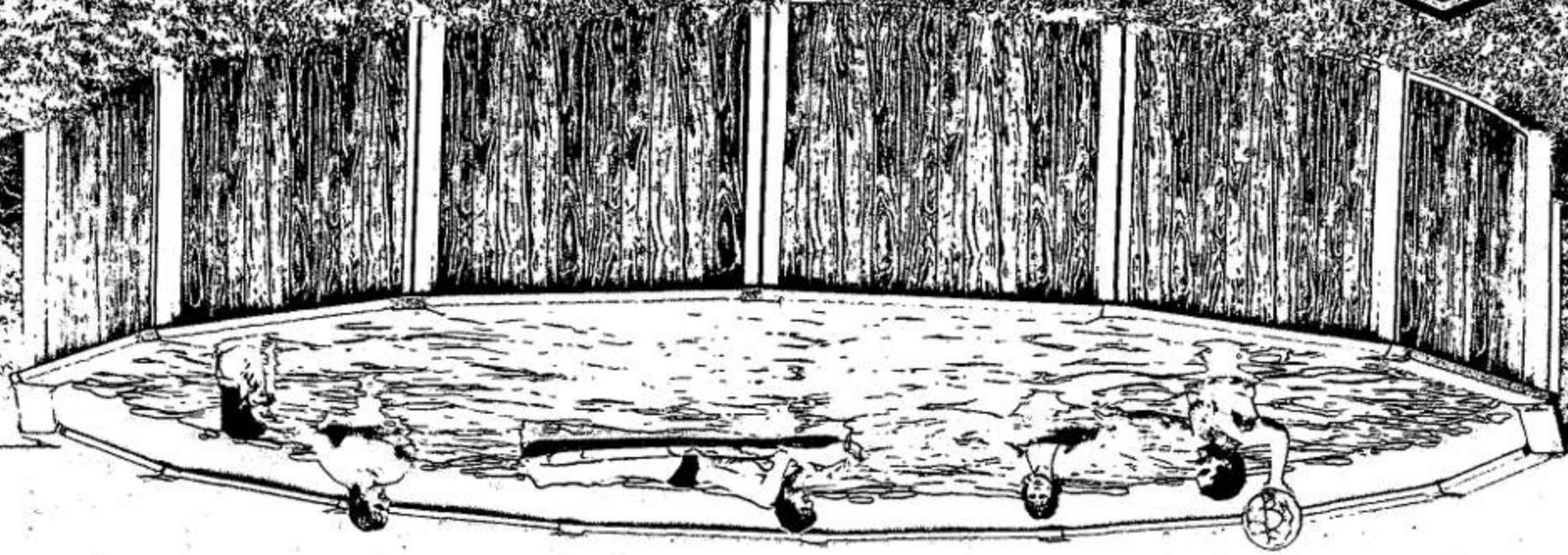
4456

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.

BEACHWOOD

Combined Excellence Of Steel And Laminated Vinyl

by
 Swim n Play, Inc.



*Vinyl Protection
with Beauty and Style*

The top in vinyl clad steel pool styling and elegance
turns your home into your very own luxury resort.

NEW
G115-ARMORED
BOND

BEACHWOOD

BEACHWOOD FEATURES AND SPECIFICATIONS
AMERICAN MADE WITH OLD TIME STANDARD OF QUALITY AND VALUE

- 7 in. ledge - vinyl laminated 8 mil. cork textured finish ribbed for additional strength.
- Large 7 in. x 6 in. form fitted ledge cover.
- Stainless steel top cover hardware.
- Massive 6" vinyl laminated box vertical - 4 mil. with accent strips.
- Solidly constructed one piece vertical.
- Sturdy universal top and bottom rails.
- Rectangular 1" top and bottom rails, poly coated for additional protection.
- Copper alloy added to wall for long metal life and protection.
- Polyester coating on inside of frame and wall for maximum metal protection.

- G115 armored bonded galvanized steel and vinyl lamination (see diagram for layers of protection).
- Posi-lock frame construction for maximum pool stability.
- Modular ledge and vertical structures for easy assembly.
- Wall corrugated for added vertical strength.
- Wall scored for through the wall skimmer and return fitting.
- Patented (U.S. Patent No. 4,223,498) four-bar wall closure system to insure proper assembly and maximum strength at the wall seam.

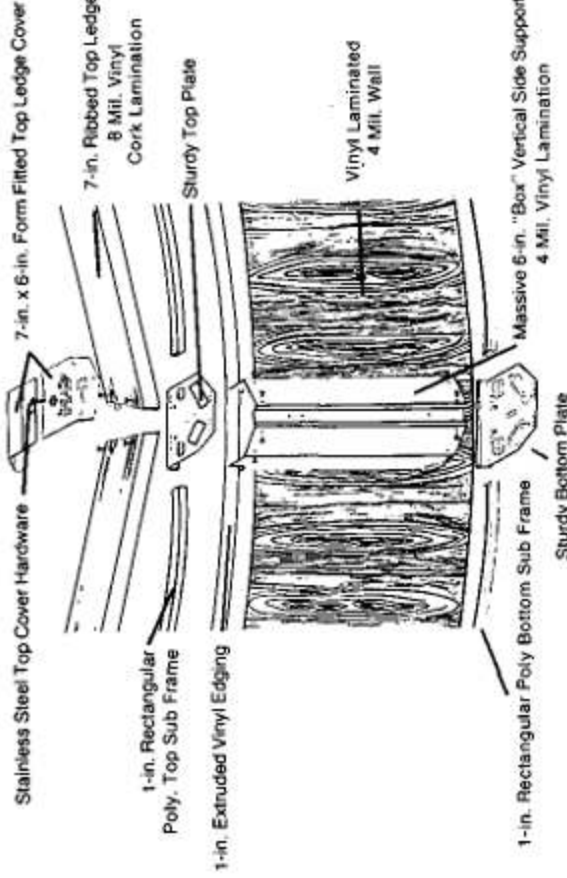
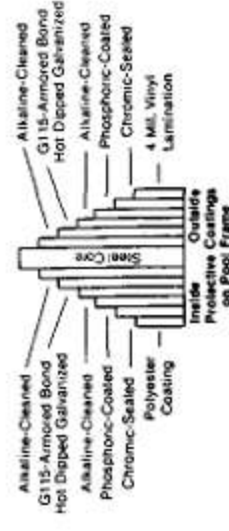
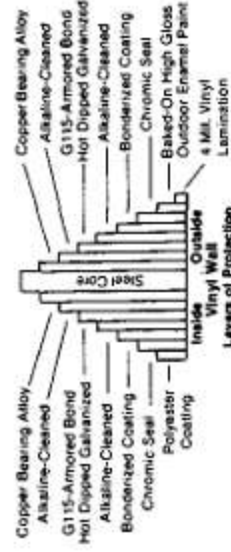
- Patented (U.S. Patent No. 4,223,498) four-bar wall closure system to insure proper assembly and maximum strength at the wall seam.

OVAL POOL FEATURES

- Seamless U Channel buttress and brace construction. Vinyl laminated.
- Patented hold down pressure sheet.
- Interlocking post and strap assembly.
- High strength tension bolts.

WARRANTY

Fifteen (15) year limited warranty; first two seasons, no charge for parts.



BEACHWOOD POOL SIZES AND CAPACITIES (approximate)

ROUND POOL		OVAL POOL	
SIZE	CAPACITY	SIZE	CAPACITY
12-ft. x 48-in.	4,300 gal.	18-ft. x 12-ft. x 48-in.	5,525 gal.
15-ft. x 48-in.	5,525 gal.	24-ft. x 12-ft. x 48-in.	7,688 gal.
18-ft. x 48-in.	7,700 gal.	24-ft. x 15-ft. x 48-in.	10,000 gal.
21-ft. x 48-in.	10,400 gal.	30-ft. x 15-ft. x 48-in.	12,000 gal.
24-ft. x 48-in.	13,500 gal.	33-ft. x 18-ft. x 48-in.	16,000 gal.
27-ft. x 48-in.	17,100 gal.		

DECOR

Rich vinyl laminated oak wall enhanced by vinyl frame and accented with chestnut brown top ledge covers and feature strips.



Swim n Play, Inc.

U.S. HIGHWAY 1 and 9 SOUTH and INTERNATIONAL WAY • NEWARK, NEW JERSEY 07114 • 201/242-0187
TELEX # 844136

WARNING: POOLS ARE NOT DESIGNED FOR DIVING OR JUMPING — 4 FEET DEEP.



NATIONAL SWIMMING POOL INSTITUTE

*Manufacturer reserves the right to alter specifications without notice. All pool sizes are approximate.

OWNER'S MANUAL for Crystal Clear® Filter Models SS-12, 14, 16 & 18

GENERAL INFORMATION AND HELPFUL HINTS

FILTER OPERATION — General Do's and Don'ts.

Before starting up the pump, make sure it is full of water. DO NOT RUN THE PUMP DRY under any circumstances.

Never operate filter in BACKWASH mode with vacuum hose connected, or it will clog underdrain with debris.

Make sure motor is connected to grounded outlet. Use no extension cords. Eliminate all leaks on the suction side of the pump. If you see persistent air bubbles in your pool return, you have a leak. Always unplug motor each time you change valve position to prevent abnormal pressure rises, which could damage your tank.

A coating of vaseline on the O-Ring of the hair and lint strainer cover will facilitate removal.

Never expose steel, canister type, filter tanks to pressures over 20 psi. Serious damage or personal injury could result.

MAINTENANCE — Start-up. Nine steps to open your pool season. It is important that these steps be followed in exact order.

1. Be sure you have all the needed equipment and chemicals on hand before you begin. If you are not sure of the amounts of chemicals needed, check with your dealer.
 2. Inspect pool for any damage caused by weather. Have repair or touch-up work completed.
 3. Be sure pool is thoroughly clean. Remove debris with leaf catcher.
 4. Check pH level (red side of test kit). Adjust to proper level, which is 7.2 — 7.6.
 5. Shock pool. Your dealer will recommend brand and quantity needed.
 6. Add algaecide, according to pool size.
 7. Restore filter from winterized mode to operational mode and start filter.
 8. Vacuum pool thoroughly.
 9. Add stabilizer, broadcasting evenly over pool.
- NOTE: Check chlorine and pH regularly during season, and maintain in proper range.

These simple procedures, along with normal maintenance, will help insure continued enjoyment of your pool.

FAILURE TO PRIME — Caused by air in suction line and in pump. Remedied by leaving the pump on and forcing more water from garden hose into suction line. Self-priming models normally require at least one minute to prime. Leaks on suction side of pump will prevent priming.

VACUUMING — Always vacuum in Filter Waste, or Direct to Waste position. Never vacuum in Backwash position! Fill vacuum hose from pool return with water before connecting to skimmer to avoid losing prime.

When suction on vacuum hose is reduced, filter needs backwashing. Immediately disconnect vacuum from skimmer. Run pump in Filter mode for ½ minute. Backwash. Return to Filter. Reconnect vacuum hose. Failure to observe above sequence can permanently damage filter, voiding Warranty.

FILTERING — Pump and motor are designed for continuous operation. Intermittent use for economy is fine, but you should realize that off periods afford no circulation of chemicals, and nighttime shutdowns allow moisture to condense on the motor, which might shorten its life. The secret of good filtration is fast turnover of your gallonage. This is prevented by clogged skimmers or dirty filter bed. Keep your skimmer clean, and backwash promptly.

DO NOT BACKWASH MORE FREQUENTLY THAN NECESSARY OR IS INDICATED BY THE PRESSURE GAUGE.

If this filter is used in conjunction with a heater, the heater must be turned off five minutes prior to backwash or filter shutoff.

POOL CHEMISTRY — Only dirt and algae can be seen. Bacteria are too small to be visible.

Although your filter removes visible dirt and water looks clear, bacteria will be present until killed.

Chlorination is the most common and practical method of sterilization. Chlorine is a powerful oxidizing agent which will burn off organic matter in water by combining it with oxygen. Chlorine is consumed in the process.

At first, the process is rapid, then tapers off to leave a chlorine residual. This will kill germs and bacteria on contact. This is your one sure means for keeping your pool safe.

MAINTAINING CHLORINE RESIDUAL — Adequate chlorination not only keeps your pool safe, it makes your filter more efficient by burning off gummy algae and body oils lodged in the sandbed.

Use a good test kit daily and add chemicals according to manufacturer's instructions. Changes in weather and bather load can upset conditions. Keep residual between 2 and .6 PPM.

THE USE OF CERTAIN STABILIZED CHLORINE PRODUCTS SHOULD ONLY BE CONSIDERED IF BEING PLACED IN A FLOATING DEVICE IN THE POOL OR IN AN AUTOMATIC CHLORINATION DEVICE. IF ADMINISTERED DIRECTLY THROUGH THE POOL SKIMMER, METAL FILTERS MAY BE DAMAGED BEYOND REPAIR, AND THE WARRANTY IS VOID. IN USING AUTOMATIC CHLORINATION DEVICES, INSTALLATION MUST BE PERFORMED SO AS TO PREVENT LEAKAGE OF CHEMICALS BACK INTO THE FILTER/PUMP SYSTEM DURING SHUTDOWN PERIODS. WARRANTY IS SPECIFICALLY VOID FOR MISAPPLICATION OF CHEMICAL PRODUCTS.

pH CONTROL — Chlorine is most effective in slightly alkaline water, which has a pH between 7.2 and 7.8. Acid water (under 7.0) will cause eyes to sting, chlorine to smell strongly and dissipate rapidly, and will corrode your filter. Correct by adding pH plus. Alkaline water (over 8.0) also makes chlorine less effective and eyes sting. Algae proliferates in warm, alkaline water. Correct by adding pH minus.

Always add chemicals on an add and test basis. Allow time for dispersion into the water.

CAUTION — Keep chlorine in tightly sealed containers in a dry place, away from steel tanks.

Add chemicals to pool directly or, if automatic feeder is used, between filter and pool on return side of filter.

All metals, including the highest grade of stainless steel type 304 used in Diaclear Filters, are attacked quickly by concentrated solutions of chlorine in the presence of air. The same is true of highly acid or highly alkaline water. Turning off the filter after the addition of chemicals can allow concentrated solutions to stand within the filter tank and will corrode it very quickly.

Filters and pumps should never be stored in a confined area together with chemicals and chlorine. Fumes will quickly attack metal surfaces, including stainless steel.

Corrosion from either of the above conditions is certain, easily identified, and voids all Warranties.

MAINTENANCE — Ten steps to close your pool. It is important these steps be followed in exact order.

1. Remove all debris with leaf catcher.
2. Lower water level approximately two feet before adjusting pH level to 7.2 — 7.6.
3. Add algaecide according to the size of your pool.
4. Shock pool. Check pool size requirements carefully.
5. Remove ladders, underwater lights, hand rails, etc.
6. Drain filter tank, pipe lines, wall skimmer and pump. Winterize according to manufacturer's manual.*
7. Block return fittings.*
8. Fill pump, pipe lines and wall skimmer with antifreeze.
9. Tie equalizer at pool center.
10. Cover the pool. Check to see that all points are securely fastened, able to withstand winter weather.

*These steps relate primarily to inground pools.

ASSEMBLY INSTRUCTIONS

GENERAL — Become familiar with the parts and their locations on the exploded view and your assembly instructions.

Use **TEFLON TAPE** on the threaded fittings. Two full turns are required on each threaded area.

Do not over-tighten or cross-thread the threaded plastic parts. Lubricate all O-Rings with Vaseline before assembly. Keep the O-Ring on the strainer cover well lubricated with Vaseline for ease of daily operation.

For maximum weather protection of your pump and motor assembly, it is advisable to use a Diaclear "Weather Cover." Inquire at your Diaclear Dealer.

SAND REQUIREMENTS — Crystal Clear Filters are designed to only use number 20 grade silica swimming pool sand with an effective grain size between 0.45-0.55 millimeters, having a uniformity coefficient no greater than 1.6. Use of any other filtering agent will void our warranty.

SS-12 uses 50 lbs. of sand.

SS-14 uses 85 lbs. of sand.

SS-16 uses 100 lbs. of sand.

SS-18 uses 100 lbs. of sand.

HOSES — Your hoses all have cuffs engineered for an air tight fit. If for any reason your cuffs are excessively tight and you wish to make them more pliable, soak them for 2 minutes in 120° F tap water.

ELECTRICAL HOOKUP — To prevent possible electric shock, connect into a grounding type receptacle. A ground fault circuit interrupter must be provided in accordance with section 680-31 of the National Electric Code.

For continued protection against possible electric shock, use only identical replacement parts when servicing.

PUMP/MOTOR COVER ASSEMBLY — Screw the adapter (42) snugly into the intake port of the pump using 2 wraps of teflon tape. If you have purchased the optional hair and lint strainer assembly (1-5), assemble it to the intake port of the pump in place of the adapter. Hand tighten only—4 to 5 turns. If you have the short pump, you must assemble the extension fitting (44) to the intake port of the pump before you assemble the Hair and Lint Strainer (1-5). Use teflon tape. Hand tighten.

Line up the threads of the slide valve (41) to the outflow port of the pump and screw in snugly using 7 turns—3 unused threads should be showing. Use 2 wraps of teflon tape. Hand tighten only.

Observe the bulkhead label on the underside of the cover (26). Position cover—gasket side down, with its two large holes closest to you.

NOTE: Teflon tape is NOT required for the assembly of the bulkhead fittings.

Assemble bulkhead "B" (28A) to the right side hole. Lubricate O-Ring (37) with vaseline and place over threaded

portion of fitting on the topside of the cover; then screw bulkhead "A" (38) snugly to bulkhead "B." The air relief hole in "B" bulkhead should be pointing towards the "C" bulkhead fitting.

Assemble bulkhead "C" (34) to the left side hole. Lubricate O-Ring (37) and place over threaded portion of fitting on the topside of the cover; then screw bulkhead "A" (38) snugly to bulkhead "C." The "C" elbow should be placed so that the waterflow is around the outside of the tank. Hand tighten the bulkhead fittings.

Assemble the 2 short pieces of clear hose (39) over the 2 bulkhead "A" fittings (38). Secure the hose to the fittings with 2 No. 51 clamps (40). Slide 2 more clamps (40) over the hose. Leave loose.

Place the previously assembled pump/motor valve assembly on the top side of the cover. Assemble the 2 slide valve ports to the 2 hoses (39) on the cover. Position and tighten the 2 No. 51 clamps (40).

Secure the motor to the cover using the 3 nylon sealing bolts (28). The bolt assemblies to the underside of the cover. Assemble the washers and nuts to the top side of the motor base keeping the washer directly under the nut. Finish tightening the nuts.

Position the motor so that the outside of the motor mounting flange closest to the cover's edge does not come in contact with the outside edge of the cover. You need clearance to enable proper assembly of the closing ring later on in the assembly process. Tighten the 3 nuts with a 7/16" wrench until the nylon on the bolt flattens. Take care not to over tighten and crush the nylon seal.

Hand press the air relief adapter (32) into the "B" bulkhead fitting (28A) previously assembled to the cover. The flat of the adapter must face the cover. Snap in the air relief cone (33) into the adapter (32).

If you have the optional pressure gauge (11A), wrap its threads with 2 wraps of teflon tape and carefully screw it into the gauge hole in the top of the slide valve. Hand tighten 4 turns only. If you do not have a gauge, assemble the red plug supplied to you in your parts kit to the hole in the slide valve. Use teflon tape.

FINAL ASSEMBLY — Position tank on level ground approximately 2 feet from the pool skimmer. The maximum height of the filter should be below the waterline of the pool. This greatly aides in maintaining a constant prime.

Assemble a No. 16 stainless clamp (46) to the end of the standpipe that has the 6 corrugations. Assemble this end of the standpipe to the lateral-hub assembly (31). Tighten clamp.

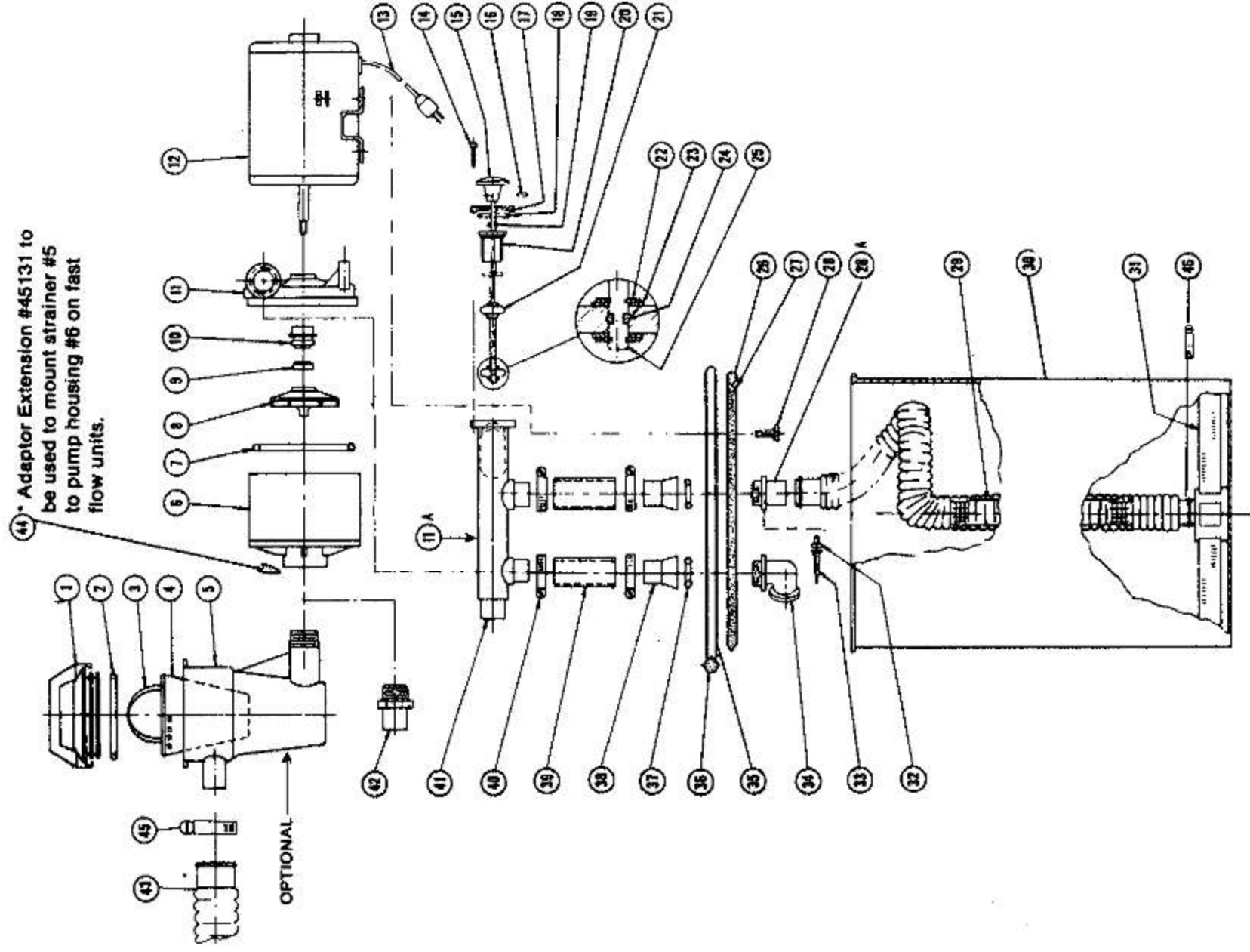
Place the standpipe and underdrain into the tank. Cover the standpipe opening with a plastic bag so you won't spill any sand into the standpipe opening. Fill the tank with the proper amount of sand (see "Sand Requirements"). Remove the bag from the standpipe.

Slip the closing ring (35) around the tank with the bolt eyes pointing downward. Allow it to loosely fall to the ground.

PARTS LIST FOR SS SERIES FILTERS

Key No.	Description	SS-12	SS-14	SS-16	SS-18
1	Cover for Strainer	35172 opt.	35172 opt.	35172 opt.	35172 opt.
2	Gasket for Cover	30082 opt.	30082 opt.	30082 opt.	30082 opt.
3-4	Basket w/handle	35531 opt.	35531 opt.	35531 opt.	35531 opt.
5	Strainer Body	35162 opt.	35162 opt.	35162 opt.	35162 opt.
6	Chamber (wide pump)	10145	10145	—	—
6	Cover (short pump)	—	—	10162	10162
7	O-Ring	10146	10146	10146	10146
8	Impeller	10136	10136	10136	10136
9-10	Seal Kit	35104	35104	35104	35104
11	Pump Housing (wide pump)	10166	10166	—	—
11	Pump Housing (short pump)	—	—	10168	10168
11A	Gauge	46010	46010	46010	46010
12	Motor	35193 1/3 hp	35183 1/2 hp	35252 3/4 hp	35252 3/4 hp
12	Pump/Motor Ass'y.	35307 1/3 hp	35293 1/2 hp	35305 3/4 hp	35305 3/4 hp
13	Cord Set	35220	35220	35220	35220
14-25	Valve Core Complete	30103	30103	30103	30103
25A	Valve Repair Kit	10158	10158	10158	10158
26	S.S. Cover w/Gasket	10386	10386	10386	10386
27	Gasket for Cover	46154	46154	46154	46154
28	Motor Bolts	47345	47345	47345	47345
28A	Bulkhead Fitting B	45133	45133	45133	45133
29	Standpipe	46420 18"	45393 22"	45387 26"	46399 28"
30	Tank	10259	10275	10274	10281
31	Lateral Ass'y.	20206	20206	20206	20206
32-33	Air Relief Kit	10084	10084	10084	10084
34	Bulkhead Fitting C	45141	45141	45141	45141
35	S.S. Closing Ring	10470	10470	10470	10470
36	Bolt Ass'y.	47155	47155	47155	47155
37	O-Ring	45142	45142	45142	45142
38	Bulkhead Fitting A	45132	45132	45132	45132
39	Hose, Clear Pair	46451	46451	46451	46451
40	Clamp/Galv. No. 51	46533	46533	46533	46533
41	Valve Complete	30133	30133	30133	30133
41A	Valve Body Only	30110	30110	30110	30110
42	Adapter	40070	40070	—	—
43	Hose — 6 ft.	46380	46380	46380	46380
44	Adapter Extension for Strainer	—	—	45131	45131
45	Clamp/Wire No. 46	46532	46532	46532	46532
46	Clamp/S.S. No. 16	46549	46549	46549	46549
	Bulkhead Replacement Pack	45135	45135	45135	45135
	Weather Cover	10321 opt.	10321 opt.	10321 opt.	10321 opt.

EXPLODED VIEW FOR MODELS: SS-12, SS-14, SS-16, SS-18



Lay the pump/motor cover assembly on top of the filter tank. Assemble the standpipe cuff (29) to the bulkhead "B" fitting (28A).

CAUTION: Do not dislodge the air relief cone (33) during the final assembly procedure.

Turn cover and push down until it's properly seated on the tank lip.

Position the closing ring to cover and tank lip. Assemble the 3½" bolt assembly (36) to the bolt eyes on the closing ring. A washer should be placed next to the bolt head and the nut. Gently snug the nut and bolt assembly.

Tap the closing ring in several places around its perimeter. Gently take up the slack on the nut and bolt assembly. Repeat this tapping and tightening procedure about 6 times. Make sure that the closing ring FULLY engages both the tank lip and the cover flange to prevent leaking.

Assemble a wire clamp (45) to each end of the two 6 foot long hoses (43). Secure the end of the first hose to the "Return" port of the slide valve and the other end to the pool return fitting. Tighten both clamps. Assemble the other hose (43) to the intake (suction) fitting or hair and lint strainer and then to the pool skimmer. Tighten both clamps.

Reposition filter to eliminate any excessive droop in the 6 foot hoses.

START-UP — Do not plug in motor until system is primed. To prime system, put the slide valve handle in the "Backwash" position (Arrow pointing up—draw handle to stop). To remove air from the suction side of the pump, fill the hair and lint strainer with water. If you do not have a hair and lint strainer, insert a garden hose into the pool end of the suction hose and gently fill with water. Start up motor to prime system.

Run filter in the "Backwash" position for about 2 minutes or until water is clear and all the extra fine sand particles are discharged.

Turn off motor—return slide valve handle to the filter posi-

tion (Arrow-up—Handle in) and plug in the motor to restart in the normal filter mode.

Check system for water leaks and retighten clamps if necessary. If you have the optional weather cover, install it at this time. If it is the full cover—remove the pressure gauge (11A), assemble the cover, reassemble the pressure gauge. You may have to push down on the weather cover in the area around the gauge hole to rethread the gauge into the slide valve.

FILTER OPERATION

NORMAL FILTER POSITION — Handle should be all the way in with the arrow on the knob pointing up. This position is used for both "Normal" filtering and **POOL VACUUMING**.

BACKWASH — Backwash is the process where you are able to discharge accumulated sediment. To backwash, **shut off motor**. Keeping the arrow in the up position on the slide valve, pull the handle out to its stop. Turn on the motor and run in backwash until the water flowing out of the waste port is clean. **Shut off motor**, push in slide valve handle to the normal filter position. Turn on motor.

Backwash only when the water flow is reduced or when pressure gauge reads 5 lbs. over the clean sand startup pressure.

DO NOT BACKWASH TOO FREQUENTLY or longer than is required to actually clean the sand. Normally the filter system requires only a 2 minute backwash cycle.

DIRECT TO WASTE — This position is used for vacuuming leaves and other debris and for pumping water from your pool that you do not want passing through your filter bed.

The "Direct-to-Waste" mode is accomplished by simply **turning the motor off**, turning the arrow on the handle to the 3 o'clock position and pulling the handle all the way out. When finished, **turn motor off**. Push handle all the way in. Turn arrow on handle to the 12 o'clock position and turn the motor back on for normal filtering mode.



GENERAL INFORMATION AND HELPFUL HINTS (Continued)

ABOVE GROUND POOL FILTERS — At end of season remove sand, flush water to remove any caked material. Store sand in plastic bags in a carton. Dry tank and store in a dry place. Sand and paint rusty areas with rust-inhibiting paint. Wipe off motor shaft and apply a very light coat of oil for storage.

For Powerhead Filters, store the Powerhead Unit as one assembly in a warm dry place. (Do not disassemble.)

IN GROUND POOL FILTERS — Treat the sand bed with a commercial cleaner, available from a pool store.

Remove drain plug from tank bottom. Store it and its O-Ring in a safe place over the winter. When replacing this plug make sure groove for O-Ring and threads are free of sand.

ALL FILTERS — Clean and wax the outside of all metal filter tanks periodically to enhance appearance and extend life of filter. Check all clamps twice each season for tightness. Lubricate any exposed threads to assure that they can be disassembled should service be required.

WE RECOMMEND THE PURCHASE OF A DIACLEAR WEATHER COVER TO PROTECT THE PUMP AND MOTOR ASSEMBLY FROM POSSIBLE EXCESSIVE WEATHER EXPOSURE. Contact your dealer for specific details.

ALL MOTORS AND PUMPS — Motors have oil points located at either end of the motor directly above the shaft. Put a few drops of light oil in each place once each season. Do not put more than three or four drops per application, as over-oiling can cause damage to the motor. Off season, motor should be stored indoors in a warm, dry place. Motors left outdoors should not be tightly wrapped with plastic, as moisture will be trapped, resulting in condensation and damage to the motor.

SERVICE — Your dealer normally has the tools, experience and parts to repair your filter and pump. We recommend that you take advantage of his expertise whenever repairs are necessary.

Diaclear takes phone calls (203-248-6375) between the hours of 9:00 AM and 4:00 PM Monday through Friday and letters can be addressed to our Service Department. Diaclear will repair your filter if delivered freight pre-paid to our factory.

Should it be necessary or desirable for you to repair your own unit, please keep in mind the following information:

Always unplug motor, work in an uncluttered area, and keep the parts dust-free. Keep careful note on the way the parts go together to simplify reassembly.

A special wrench (Part No. 50902) to remove pump cover is available from Diaclear. All other assembly requires common hand tools. Identify parts and the order of their assembly by frequent reference to the exploded diagram in the Owner's Booklet.

THESE HINTS WILL HELP — The impeller unscrews clockwise and screws on counter-clockwise. The motor shaft can be turned by removing the dust cap from the end of the motor located opposite the pump, using a thin, flat screwdriver to pry up the cap, which exposes the slotted shaft.

The impeller seal is removed and installed by hand. The pump seal must be removed and re-installed by PUSHING the metal body only, with a socket, end of pipe or similar cylinder. Keep seals clean and unscratched.

The large O-Ring sealing the pump and pump cover is replaced by stretching it over the lip that protrudes from the pump cover, not on the pump housing.

Complete seal change kits and valve repair kits are available from Diaclear or from your Diaclear Dealer.

TROUBLE-SHOOTING —

Low-Flow — Check the gauge. If high, you have a restriction in the pump, valve, sand bed, underdrain, internal pipe or return line. If low, you have a restriction in the surface skimmer, suction side piping or strainer, or you may have an air leak in these places.

Dirt Returning to Pool — Make sure it is particles, and not just colored water, by tying a sock over the pool return for thirty minutes. If the sock contains sand, and you just installed new sand, you probably did not thoroughly wash out the sand dust by backwashing prior to operating in the filter position or you may not have the right amount of sand specified by our Owner's Manual.

Inspect the grade of sand to be sure that it is a sand specified for this filter—0.45 to 0.55mm Silica sand. If the sock does not contain sand, or if the dirt includes large particles of leaves, bugs, etc., you have a by-pass in the valve. This would indicate the valve seals are worn, the air relief screen is dislodged, internal piping is disconnected, the underdrain is broken or if you have reversed your bulkhead fitting. This condition can also exist if you reverse your plumbing on the "pump" and "return" ports on a 6 position valve.

Sand Being Backwashed Out of Filter — Too much sand installed or improper backwashing of new sand is the probable cause. However, if neither is the cause, it is possible that the pump is oversized for the filter, and the velocity of the water is too great.

PARTS ORDERING INFORMATION — Phone or mail orders are subject to prevailing handling and shipping rates in effect at the time of shipment. Additionally, C.O.D. shipments are subject to additional C.O.D. charges of \$6.00.

Tell us all of the information listed in your Owner's Manual: part number, description, quantity, filter model number, approximate date of purchase. Be sure to include a proper shipping address, including a number and street, as UPS will not ship to a rural route or P.O. Box number. The information should be sent to Diaclear, Inc., 1000 Sherman Avenue, Hamden, Connecticut 06514. Please enclose a note explaining what the problem has been, or call 203-248-6375.

LIMITED WARRANTY — To all original purchasers of its products, Diaclear, Inc., 1000 Sherman Avenue, Hamden, Connecticut, warrants its products free from defects in materials and workmanship for a period of one year from the date of purchase, with the following exceptions — Epoxy painted tanks 90 day warranty, plastic tanks and stainless steel tanks 10 year prorated warranty.

Products which fail or become defective during the Warranty period, except AS A RESULT OF FREEZING, ACCIDENT, NEGLIGENCE, IMPROPER INSTALLATION, USE OR CARE, OR DUE TO IMPROPER USE OR APPLICATION OF CHEMICALS, shall be repaired or replaced at our option without charge within 90 days of the receipt of defective product, barring unforeseen delays. Warranty is specifically void for damage caused by negligence in the use of chemicals and chlorine, or inadvertent extended backwashing, or by improper assembly or repair, such acts having been forewarned against in previous information.

STAINLESS STEEL TANK WARRANTY — Stainless Steel Tanks which fail or become defective during the first ten (10) years of use shall be repaired or replaced at our option free of charge for the first year. The value will then be decreased at the rate of 10% per year of the then replacement cost, terminating at the end of ten years.

To obtain Warranty replacement or repair, defective products must be returned, transportation paid to the place of purchase or to the nearest authorized Diaclear Dealer. Diaclear Dealer locations may be identified by calling or writing us at the address listed in previous information. Diaclear, Inc. shall not be responsible for cartage, removal and/or re-installation, labor, or any other such costs incurred in obtaining Warranty replacements.

Pump/Motor combinations not manufactured by Diaclear that are supplied by Dealers for use with Diaclear Filters are Warranted by the pump manufacturer, not by Diaclear. Contact them for their nearest repair station.

This Warranty is effective for all products manufactured after September 1, 1982 and supersedes all Warranties printed elsewhere for such products.



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