Section XI

Accessories & Optional Equipment

Accessories & Optional Equipment

SX402	Ozonator Water Purification System
SX407	In-Pool Fiberglass Steps with Stainless Steel Handrail (In Lieu of Standard Recessed Steps)
SX412	Underwater Lights (2)
SX422	Propane Gas Heater in Lieu of Standard Electric Heater (Requires a 5" Vertical Vent) **NON-RETURNABLE**
SX424	Natural Gas Heater in Lieu of Standard Electric Heater (Requires a 5" Vertical Vent) **NON-RETURNABLE**
SX534	Current Monitor device
SX475	7 ½ HP Drive System in Lieu of 5 HP Model
SX517	Deep Water Well (Extends 12" deeper)
SX513	Additional Foam for Deep Well Option
SX553	Jet System (Includes 1 HP pump, 12 Jets, Controller & Tubing)
SX558	Manual Security Cover

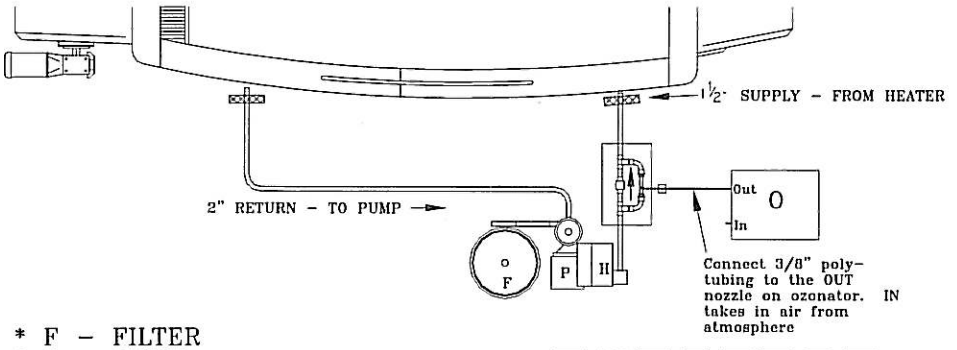
SX 402 OZONATOR WATER PURIFICATION SYSTEM

The Ozonator is installed according to the Ozonator Plumbing Diagram. The ozonator injector system is plumbed into the 1 1/2" pvc pipe between the pool and the heater. Use 1 1/2" pvc piping for all connections. Install the ozonator injector system at least 4' from the pool (measure pipe length) but no more than 15' from the pool.

INSTALLATION NOTES

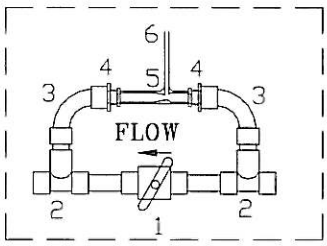
1) Make sure to install the injector (Part 5) and the ball valve (Part 1) with the flow direction from the heater to the pool.

2) Make sure to "loop" the hose above the water level in the pool.



* F - FILTER
* P - PUMP
* H - HEATER
** O - OZONATOR

* 1. 1 1/2" SHUT OFF VALVE
2. 1.5"S X 1.5"S X 1.5"S
3. 1.5"S X 1.5"S ELBOW
4. 1.5"S X .75" THREADED FEMALE REDUCER
* 5. MAZZEI INJECTOR MODEL #684
** 6. 1/2" POLY TUBING



* - SUPPLIED BY SWIMEX
** - SUPPLIED BY PUREZONE

NOTE:
POLY TUBING MUST BE LOOPED ABOVE WATER LEVEL.

Please see equipment owners manual for operation procedures.

SX 407 IN POOL FIBERGLASS STEPS WITH HANDRAIL

The fiberglass stairs on the 500OS and 400OS are pre fit at the factory based on the location selected during the order process. The stairs can be mounted to the top lip with stainless steel screws. A small bead of silicone may be used around the top stair and the top of the lip once a permanent location is decided upon. The Stairs are mounted to the top lip and at the stair base with stainless screws which are included. The mounting bracket for the handrail will be pre installed and only have to place the handrail in and add a fastener under the pool lip and also at the base mounting bracket.

SX412 UNDERWATER LIGHTS

SwimEx uses O'Ryan TwinStar LED lights mounted into the pool wall. The light installation will then include connection of the power supply (Packaged in the light box inside the pool) and bulbs and then plugging the power supply into a 120Volt GFCI power receptacle. Lights are operated by an additional air switch included in the package. This can be mounted on the pool, floor or anywhere within 25' of the power box. SwimEx recommends that the power receptacle for the lights be connected to a light switch within the pool room.

SX422 AND SX424 NATURAL GAS AND PROPANE HEATERS

SwimEx offers both a natural gas and propane heater option to replace the electric heater. The unit is a 100,000BTU Gas Heater which should raise the temperature faster than the electric. The gas heaters must be vented with a vertical stack and cannot be power vented due to the size of the unit required. IMPORTANT NOTE: PLEASE FOLLOW ALL INSTRUCTIONS INCLUDED IN THE MANUFACTURER'S INSTRUCTIONS ATTACHED.

SX 534 Current Monitor Installation and Operating Instructions

Set-up:

The Current Monitor comes with 2 integral cables; the cable with 7 pins connects to the AC Tech motor drive and the cable with 5 pins connects to the Sub-Box. The Sub-Box has 2 connector sockets; one for the Current Monitor cable and one for an infrared box cable. If no infrared box is being used then a jumper between pins 7 and 8 *must* be installed on the infrared connector socket. Please note the unit ships with this jumper already installed. The air tubes that run from the Start, Stop, Fast, and Slow buttons on the pool connect to the Sub-Box and not the AC Tech. See diagram on page 3.

At the AC Tech motor drive, use the following procedure to initialize the Current Monitor:

Press the Prog/Run button. Display will read Password 0000
Press ↑ until the display reads Password 0019 (if you pass 0019, use ↓ to get back to 0019)
Press Enter. Display will read Line Volts Auto
Press Auto/Man button. Display will read – Speed Dial –
Press ↑ until display reads # 30 Control
Press Enter. Display will read Control Remote
Press Enter. Display will read Control Remote
Press ↑ twice. Display will read Control Local
Press Enter. Display will read Control Local
Press Auto/Man button. Display will read # 30 Control
Press ↑ until display reads # 57 Serial
Press Enter. Display will read Serial Disable
Press Enter. Display will read Serial Disable
Press ↑ twice. Display will read Serial W/O Timr
Press Enter. Display will read Serial W/O Timr
Press Prog/Run. Display will read Stop > 5.00 Hz

Cycle power to the Current Monitor by disconnecting the 7 pin cable at the AC Tech motor drive, wait a minute, and reconnect.

Wait 3 minutes before proceeding.

At this point the Current Monitor has been initialized. It will not power up until you go through the AC Tech calibration procedure. This procedure is located in the electrical section of the Swimex manual.

Once the calibration procedure is complete, you must cycle power to the Current Monitor by disconnecting the 7 pin cable at the AC Tech motor drive, wait a minute, and reconnect.

The Current Monitor will now be illuminated and ready for operation.

Operation:

The Current Monitor has 3 modes of operation:

1. *Quickstart* to swim at one speed
2. *Timed Swim* to swim at one speed for a predetermined amount of time
3. *Custom Swim* to swim at varying speeds for varying times

At power-up the SPEED display will be blinking 00; the TIME display will be 00:00; the INTERVAL display will be 0.

Quickstart Mode
To enter *Quickstart* mode simply use ▲▼ buttons to adjust speed (from 01 to 99) and press Start on the Current Monitor or on the Swimex. You will hear 2 beeps and the motor will turn on. After 30 seconds, you will hear one beep to begin swimming and the TIME will display elapsed swim time.

Timed Swim Mode
To enter *Timed Swim* mode use ▲▼ buttons to adjust speed (from 01 to 99) and press Enter. TIME will start blinking, use ▲▼ buttons to adjust swim time and press Start on the Current Monitor or on the Swimex. You will hear 2 beeps and the motor will turn on. After 30 seconds, you will hear one beep to begin swimming and the TIME will display remaining swim time. When the time reaches zero, the Current Monitor will beep once and the Swimex will turn off.

Custom Swim Mode

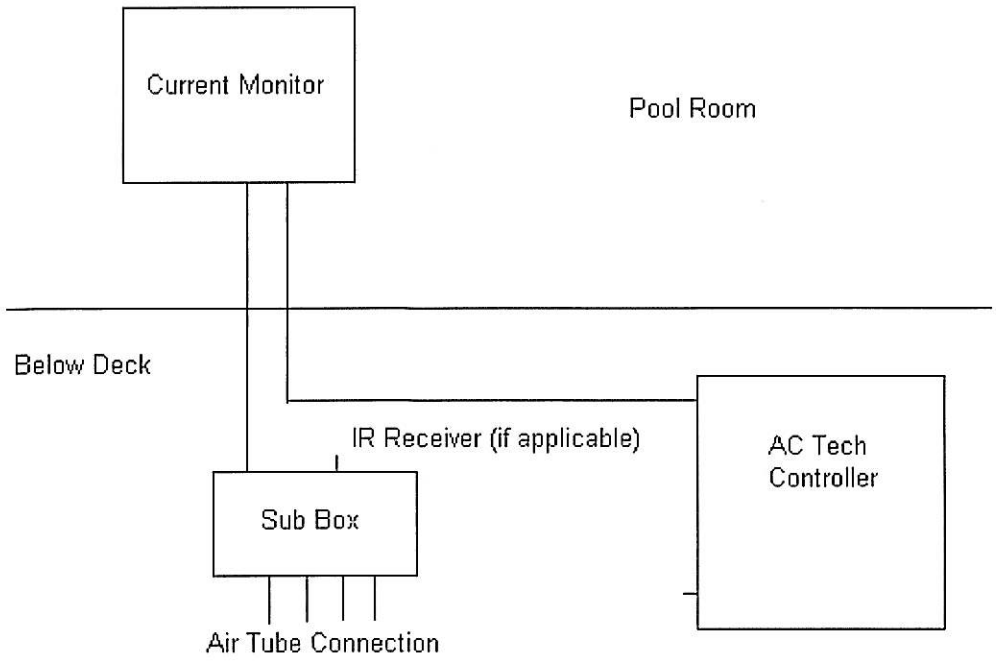
To create or change a Custom Swim profile:
Press Start while holding down Enter button, TIME will blink 0000. Use ▲▼ buttons to select a profile (1-9) and press Enter. INTERVAL will display a blinking 1 indicating 1st interval of selected profile. Press Enter. SPEED will blink current interval 1 speed, use ▲▼ buttons to adjust and press Enter. TIME will blink current interval 1 time, use ▲▼ buttons to adjust and press Enter. Use the ▲ button to increment the INTERVAL to 2. Press Enter and repeat previous steps for setting up to 9 intervals and press Enter.

To start this Custom Swim: Use the ▲▼ buttons to return the INTERVAL to a blinking 1. Press Start on the Current Monitor or on the Swimex. You will hear 2 beeps and the motor will turn on. After 30 seconds, you will hear one beep to begin swimming and the TIME will display time remaining in current interval. The Current Monitor will beep once in between intervals. It will also beep once and turn the Swimex off once the last interval completes.

To start a saved Custom Swim profile:
Press Start while holding down Enter button, TIME will blink 0000. Use ▲▼ buttons to select the saved profile (1-9) and press Enter. Verify that the INTERVAL is blinking 1. If not, use the ▲▼ buttons to return the INTERVAL to 1. Press Start on the Current Monitor or on the Swimex. You will hear 2 beeps and the motor will turn on. After 30 seconds, you will hear one beep to begin swimming and the TIME will display time remaining in current interval. The Current Monitor will beep once in between intervals. It will also beep once and turn the Swimex off once the last interval completes.

Notes: 1. You may stop swim at any time by pressing Stop on the Current Monitor or on the Swimex .

2. You may adjust speed at any time during swim by using ▲▼ buttons on the Current Monitor or on the Swimex .



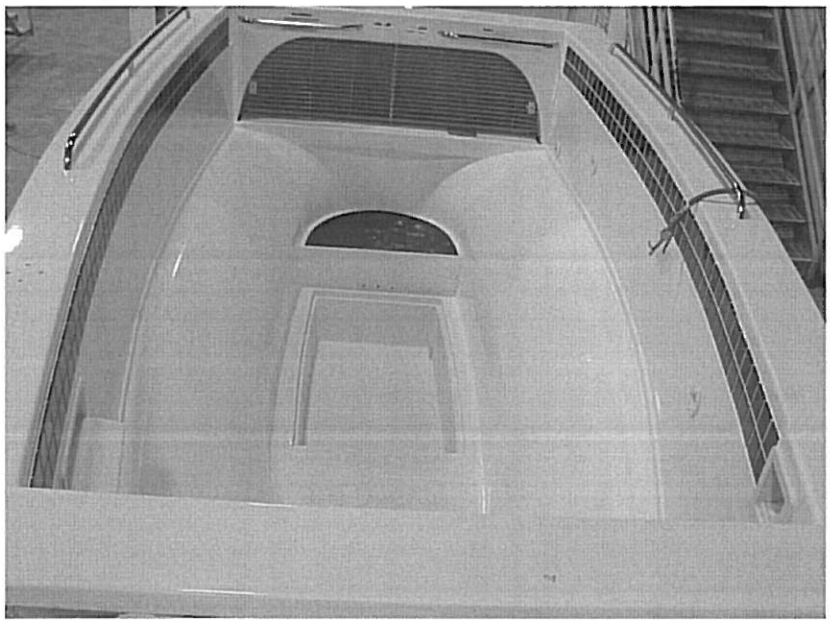
SX475 7.5 HP MOTOR & CONTROLLER

If you have selected the optional 7.5 HP motor & controller in lieu of the 5 Hp system, you will need to make the following adjustments to the circuit breaker panel. The 7.5 HP system requires a 60 AMP feed rather than the 40 AMP feed required for the 5 HP system. All other items will remain the same.

SX517 DEEP WATER WELL

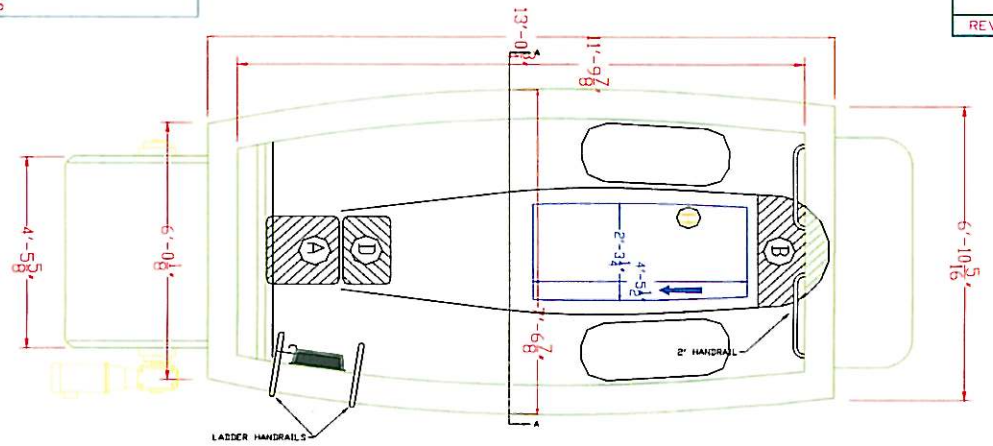
The SwimEx Model 500OS has an available well to increase the water depth from 50" to 62" within the well. The option comes complete with the well molded into the pool, a cover for the well to create a uniform 50" depth and a floor removal pole to remove the well cover without entering the pool.

The deep well option will require a recess within the slab which the SwimEx sits on. The attached drawings show the pool with the deep well as well as the recess that is required within the slab. Please note that the arm or off shoot of the slab recess will need to be on the side which the plumbing is selected. (Please see your Order Acknowledgement for confirmation)



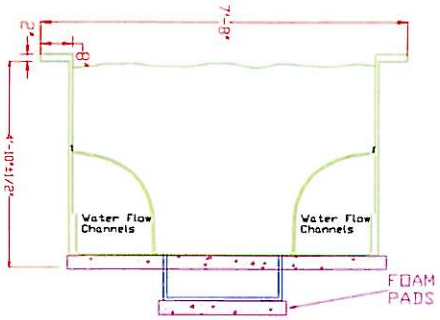
DWG NO.
SX5000S

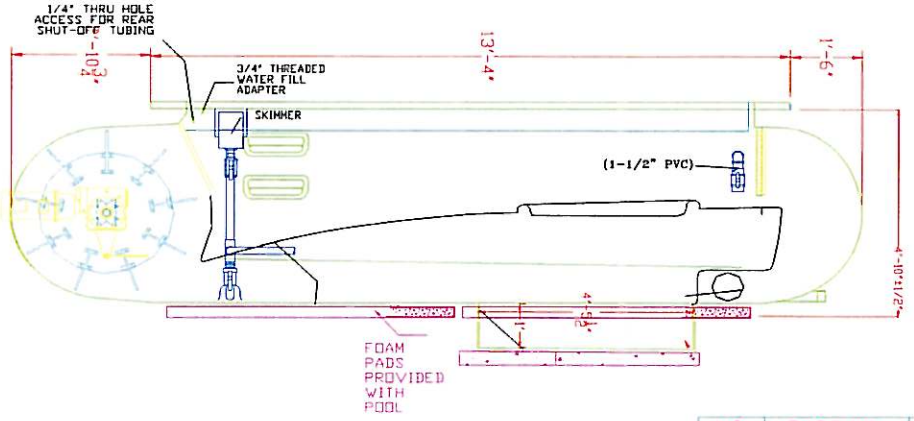
REVISIONS				
REV	DESCRIPTION	BY	APPR.	DATE



Pool Depths

Area:
A: 45" deep flat area
B: 40" Front step up
D: Angled running pad
H: 62" deep water well
Base of pool 50" water depth





NOTES:
1. THE TOLERANCE OF +/- 1/2" IS DUE TO THE COMPRESSION OF THE FOAM PADS.
2. THE PADDLEWHEEL MOTOR IS STANDARD ON THE RIGHT HAND SIDE, LEFT SIDE IS POSSIBLE IF SPECIFIED AT THE TIME OF ORDER.

NO.	PART NO.	DESCRIPTION	QTY

PARTS LIST

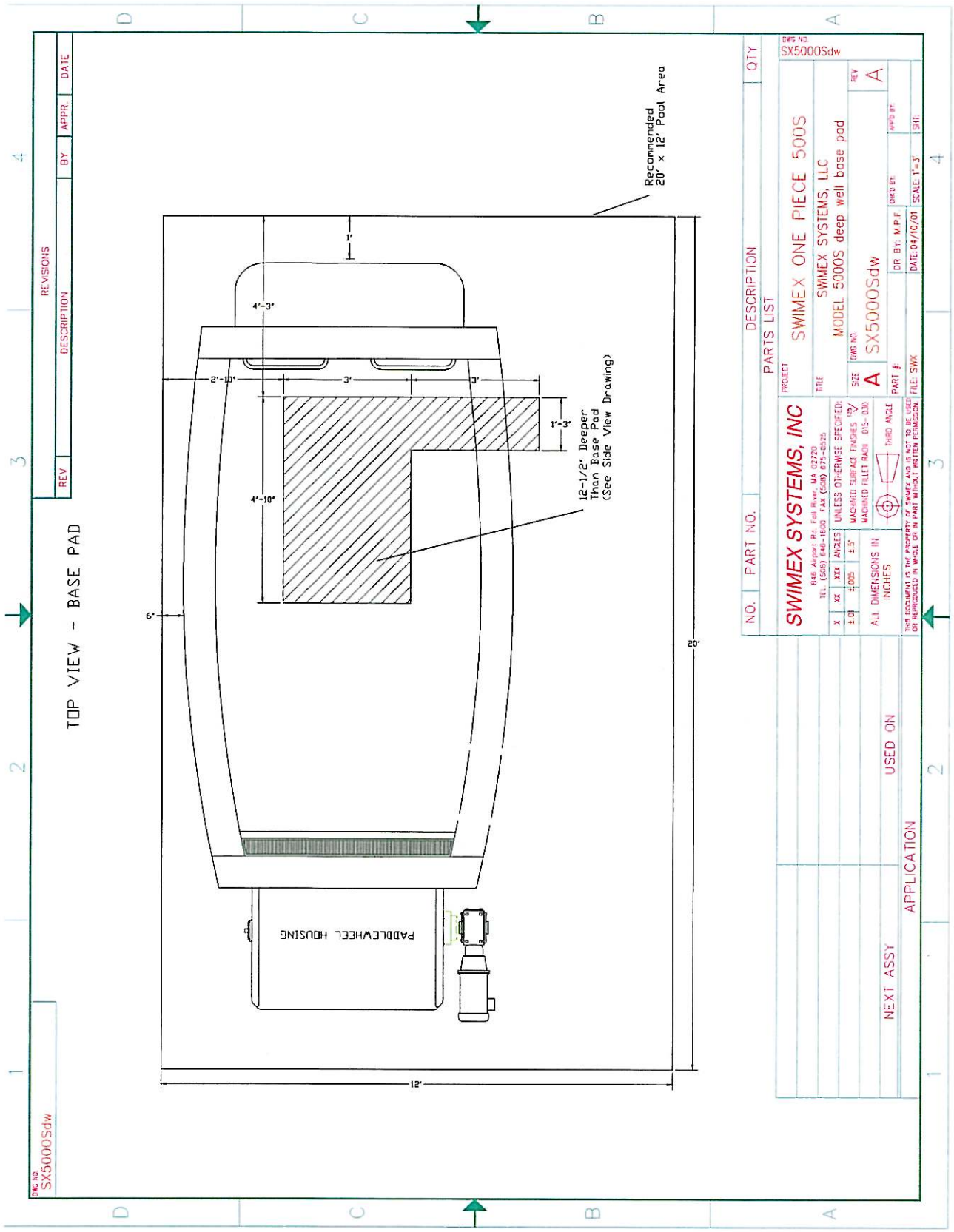
NEXT ASSY	USED ON
APPLICATION	

SWIMEX , INC
846 Airport Rd. Fall River, MA 02720
TEL (508) 646-1600 FAX (508) 675-0525

X	XX	XXX	ANGLES
±.01	±.005	±.5°	

UNLESS OTHERWISE SPECIFIED:
MACHINED SURFACE FINISHES 125
MACHINED FILLET RADII .015-.030
ALL DIMENSIONS IN INCHES
THIRD ANGLE

PROJECT: SWIMEX ONE PIECE 500S
TITLE: SWIMEX SYSTEMS, LLC
MODEL 500S ONE PIECE POOL
SIZE: A | DWG NO: SX5000S | REV: A
PART #:
DR BY: M.P.F.
CHK'D BY:
APP'D BY:
FILE: SWX
DATE: 04/10/01
SCALE: 1"=3"
SHT:
DWG NO: SX5000S


TOP VIEW - BASE PAD
Recommended
20' x 12' Pool Area
12-1/2" Deeper
Than Base Pad
(See Side View Drawing)
PADDLEWHEEL HOUSING
4'-3"
2'-10"
3'
3'
1'-3"
4'-10"
6"
1'
8'
12'
REVISIONS
REV
DESCRIPTION
BY
APPR
DATE
NO.
PART NO.
DESCRIPTION
QTY
PARTS LIST
SWIMEX SYSTEMS, INC
846 Airport Rd Fall River, MA 02720
TEL (508) 646-1600 FAX (508) 675-0525
PROJECT
SWIMEX ONE PIECE 500S
TITLE
SWIMEX SYSTEMS, LLC
MODEL 5000S deep well base pad
SIZE
A
DWG NO
SX5000Sdw
REV
A
DWG NO.
SX5000Sdw
PART #
DR BY: MPF
CHKD BY:
APVD BY:
DATE:04/10/01
SCALE 1"=3"
SHT
FILE: SWX
UNLESS OTHERWISE SPECIFIED:
X ±.01
XX ±.025
XXX ±.005
ANGLES ±.5°
MACHINED SURFACE FINISHES 125
MACHINED FILLET RADII .015-.030
ALL DIMENSIONS IN INCHES
THIRD ANGLE
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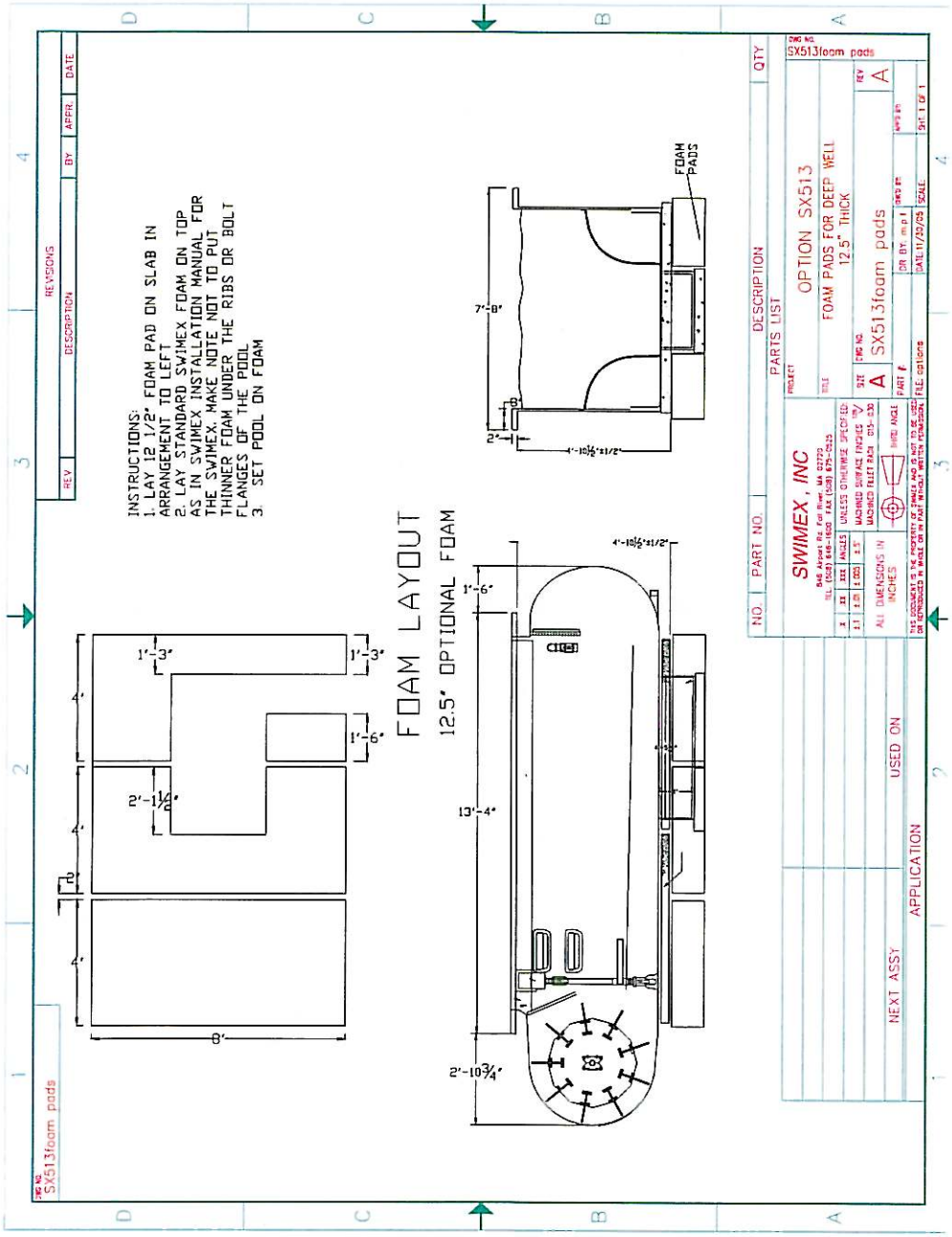
NEXT ASSY
USED ON
APPLICATION
DWG NO.
SX5000Sdw

SX 513 ADDITIONAL FOAM FOR DEEP WELL OPTION

The SwimEx with the deep well option requires a cutout located in the slab which the pool will set. To eliminate the cutout, the Optional Foam Pad for Deep well can be ordered with your pool unit. This will eliminate the need for costly casting of the deeper portion of the slab that will accommodate the deep well and allow you to pour one level slab. The depth of your slab will need to be 12.5" lower than a typical pool slab. The foam provided is then set as per the diagram below and the pool will set on the normal foam pad provided as well as the 12.5" Foam.



SX553 HYDRO JET OPTION

The Hydrojet option comes with 12 jets pre-mounted on the side-wall of the pool surface. Each jet has two inlet ports, one for air and one for water.

Water Side

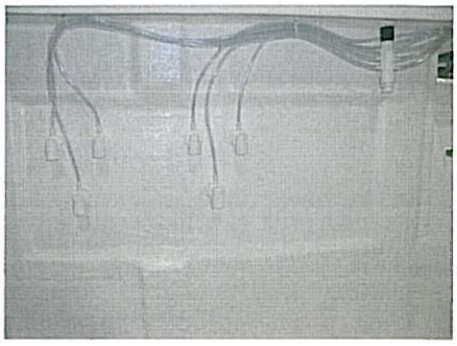
The water side consists of a separate pump that will tie to the two suction fittings in the front lower portion of the pool. The pump output will then be split and added to the 2" manifold for the 6 jets mounted on the side of the unit. The pump will be controlled via the air button which will switch the unit on and off via the ES Combo Switch provided. Please see the diagram for a layout of the jet system. This system is completely separate from the filtration plumbing system

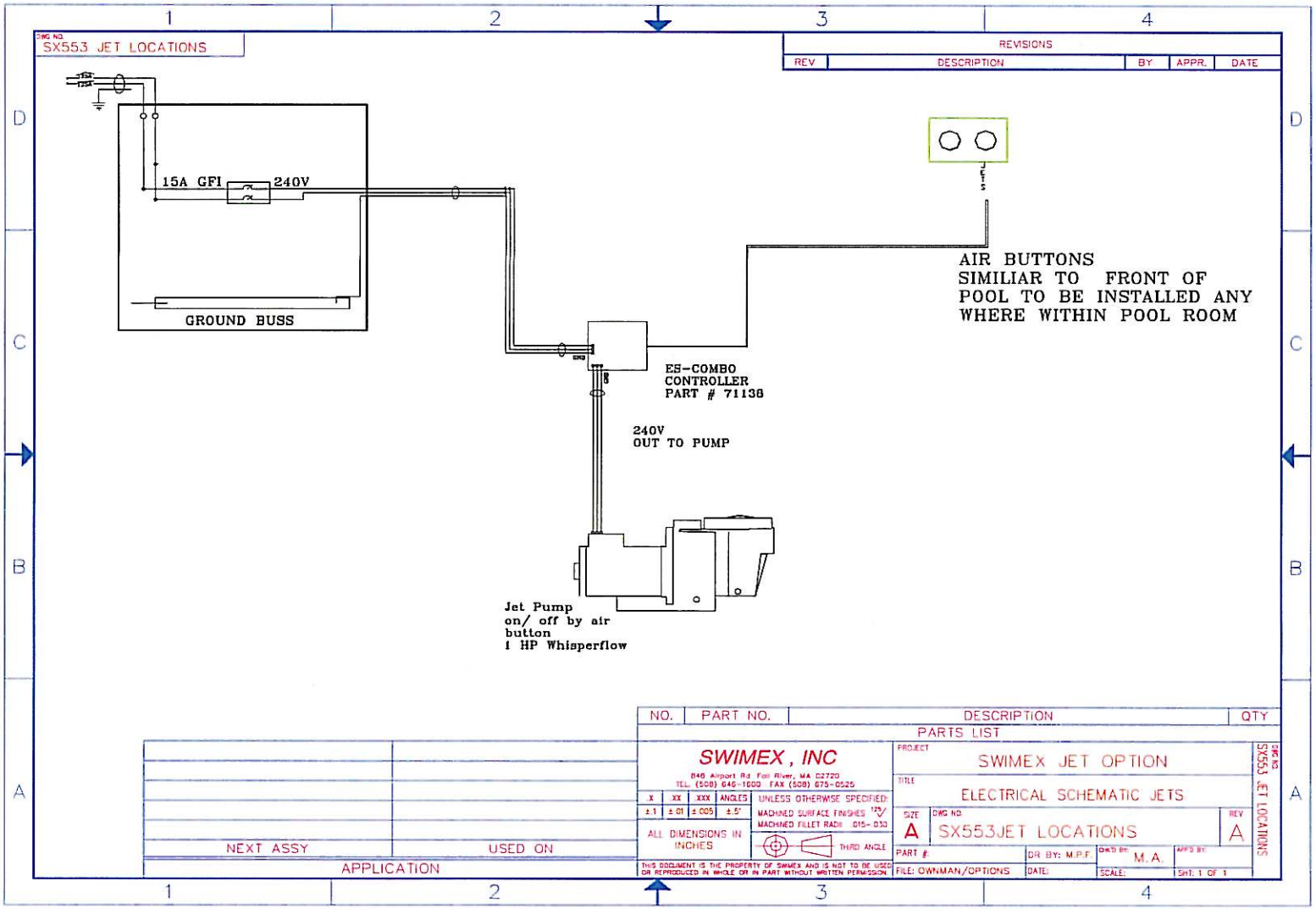
Air Side

The air side of the system will function as a venturi system through the jets mounted in the pool. All jets will have a clear tube running to a knob located on each side of the pool. The knob will control the additional air flow into the jets. No installation is needed on the air side of the jets.

Operation

To operate the system simply depress the air button and the pump will turn on, you should feel water and not notice many bubbles. Adjust the air knob on the top lip of the unit to add bubbles to the jets.




DWG NO.
SX553 JET LOCATIONS
REVISIONS
REV
DESCRIPTION
BY
APPR.
DATE
15A GFI
240V
GROUND BUSS
JETS
AIR BUTTONS
SIMILIAR TO FRONT OF
POOL TO BE INSTALLED ANY
WHERE WITHIN POOL ROOM
ES-COMBO
CONTROLLER
PART # 71138
240V
OUT TO PUMP
Jet Pump
on/ off by air
button
1 HP Whisperflow
NO.
PART NO.
DESCRIPTION
QTY
PARTS LIST
SWIMEX , INC
846 Airport Rd Fall River, MA 02720
TEL (508) 646-1000 FAX (508) 675-0525
UNLESS OTHERWISE SPECIFIED:
ALL DIMENSIONS IN INCHES
THIRD ANGLE
PROJECT
SWIMEX JET OPTION
TITLE
ELECTRICAL SCHEMATIC JETS
SIZE
A
DWG NO.
SX553JET LOCATIONS
REV
A
PART #
DR BY: M.P.F.
CHK'D BY: M.A.
APP'D BY:
FILE: OWNMAN/OPTIONS
DATE:
SCALE:
SHT 1 OF 1
NEXT ASSY
USED ON
APPLICATION
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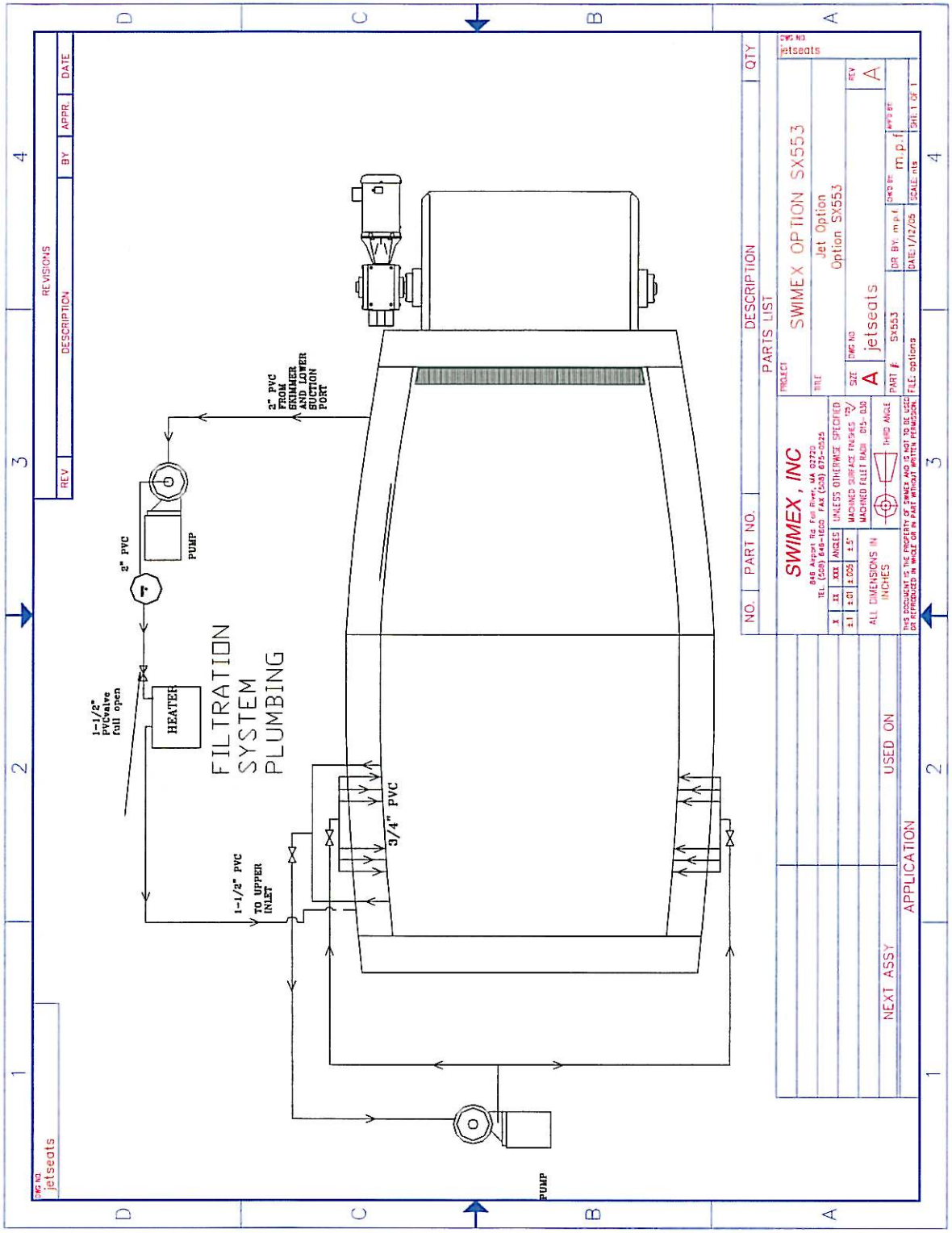
FILTRATION
SYSTEM
PLUMBING
2" PVC
FROM SKIMMER AND LOWER SUCTION PORT
PUMP
2" PVC
1-1/2" PVC valve full open
HEATER
1-1/2" PVC
TO UPPER INLET
3/4" PVC
PUMP
SWIMEX, INC
SWIMEX OPTION SX553
Jet Option
Option SX553
jetseats
SX553
PARTS LIST
DESCRIPTION
QTY
PART NO.
NO.
REVISIONS
DESCRIPTION
BY
APPR.
DATE
REV
NEXT ASSY
USED ON
APPLICATION

SX558 MANUAL SAFETY COVER

SwimEx offers a manual safety cover by Cover Pools as an option on the one piece units. The cover will go the length of the pool and ride in two low profile aluminum tracks that will need to mount outside of the coping to your pool deck. The aluminum tracks must be parallel to each other and be securely mounted approximately 3" from the widest portion of the pool lip. The cover will have a roll at one end and a leading cart on the opposite end, please consult Cover Pools installation instructions for details.

SwimEx has manufactured a special handrail set that will not mount to the coping of the pool, they will mount outside of the aluminum track and extend in to the edge of the pool. This will allow for the leader cart of the cover to pass under the rails and proceed to the opposite end.

The cover on the unit is not designed to be taught, it will be loose and sag to the water surface. Cover Pools instruction sheet is attached in the manual section.