

**LOG OF MEETING
DIRECTORATE FOR ENGINEERING SCIENCES**

SUBJECT: Portable Spa/Hot Tub Suction Outlet Covers

DATE OF MEETING: December 8, 2008

PLACE OF MEETING: Consumer Product Safety Commission
4330 East West Highway
Bethesda MD 20814

LOG ENTRY SOURCE: Troy Whitfield

COMMISSION ATTENDEES: Mark Eilbert, Jay Howell, Sean Ward, Scott Wolfson, J.G. Mullan, Cheri Falvey, Barbara Parisi, Mary Toro, Jacquie Elder, Troy Whitfield

NON-COMMISSION ATTENDEES: See Attached

SUMMARY OF MEETING:

A meeting was requested by the Association of Pool and Spa Professionals (APSP) to discuss the effects of the Virginia Graeme Baker Pool and Spa Safety Act on the portable spa industry. The meeting was held on December 8th 2008 at the CPSC Headquarters in Bethesda Maryland. The meeting was called to order at 10:00am and self-introductions were made. The APSP presented a slide show (attached under separate cover) explaining the effects of the ASME/ANSI standard referenced in the law on the flow rating of suction outlet covers used in portable spas. There was specific concern with Section 1404 (b) of the Act which address covers sold on the market after December 19th 2008. The presenters explained that the ASME/ANSI protocol rates covers under single outlet conditions whereas outlets in spa/hot tubs are utilized in multiple outlet configurations according to the requirements of UL 1563 *Electric Spas, Equipment Assemblies, and Associated Equipment*. They further explained that the ASME/ANSI protocol unnecessarily downgrades the rating of the outlet covers and will effect spa/hot tub performance.



Consumer Product Safety Commission

Bethesda, Maryland 20814

4330 East West Highway

MEETING ATTENDANCE RECORD

Date: _____ Location: _____ Project: _____ Purpose: _____

Name (PLEASE PRINT)	Organization	Phone	Fax	E-mail
David Stahl	STINGI HEALTH	571-484-6010	571-430-6013	STINGI@STINGI.B.COM
David Barker	Law Offices of David H. Barker LLC	202 253 4340	202 380 5092	dhbarkerlaw@aol.com
Mark Eilbert	CPSC - USM	301-424-6021		meilbert@cpse.gov
John Peterson	TREMO SPAS INC	203-265-6133 x2865	203-265-7133	J.PETERSON@TREMOSPAS.COM
MICHAEL KANS	WILLIAMS & JENSEN	202.659.8201		MDKANS@WJMS-JEN.COM
Jay Howell	CPSC	301-804-7621		JHowell@cpse.gov
Sean Ward	CPSC OIG	301-504-7602		seward@cpse.gov
Scott Wilson	CPSC - EXPA	301-504-7051		swilson@cpse.gov
Troy Whitfield	CPSC - ESME	301-504-7548		twhitfield@cpse.gov
Steven Getzoff	Lehigh School	212-341-0445	212-267-5916	sgetzoff@lehigh.edu
ANWARUDDIN	DIMENSIONAL OVER SPAS	760-727-7727		ANWARUDDIN@DIMENSIONAL.COM
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Name (PLEASE PRINT)	Organization	Phone	Fax	E-mail
J.G. Aicallan	CPSC	(301) 504-7626		JMaillan@cpsc.gov
Cheri Falvey	CPSC	(301) 504-7647		cfalvey@cpsc.gov
Barbara Parris	CPSC			bparris@cpsc.gov
Mary Toro	CPSC	301 504 7586		mtoro@cpsc.gov
Shirley Murphy	Red Smith	(202) 414-9279		smurphy@redsmith.com
Terry Kistner	Red Smith	202-414-9302		AKistner@RedSmith.com
Inesue Eiden	CPSC	301-504-7645		Inesue@cpsc.gov

Virginia Graeme Baker Pool and Spa Safety Act

Impact on Portable Electric Spas

Unique Issues to Portable Electric Spas

Drain Flow Ratings

Unblock able Drains

Flow Ratings

- A swimming pool 16 feet x 32 feet x 5 feet deep contains 20,000 gallons of water.
- To turn this pool water over in 6 hours as required by code needs a pump rated at 53 gallons per minute (GPM).
- Consequently drains rated at 53 GPM are adequate.

Portable Electric Spas

Therapeutic Function

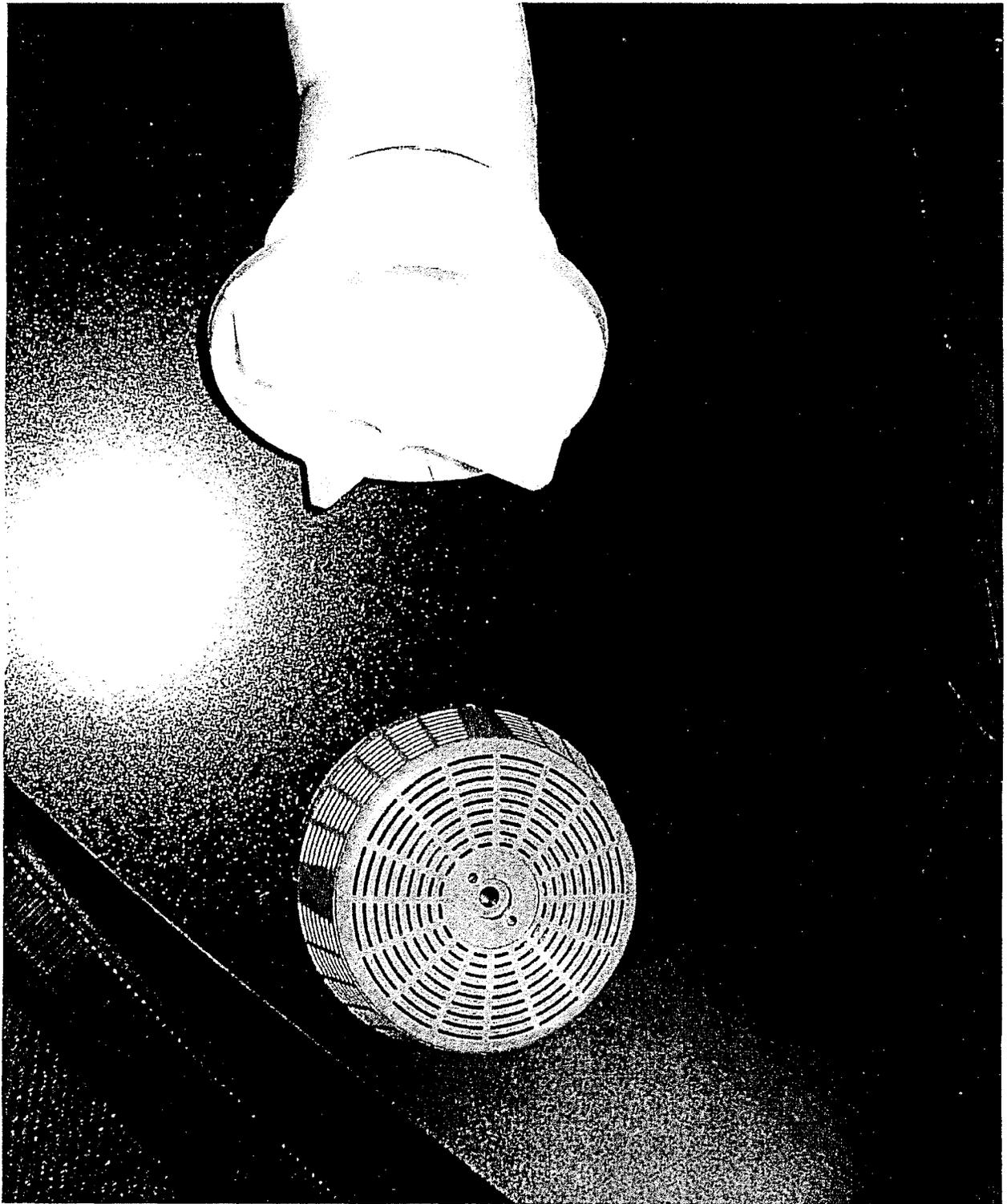
For effective massage, jets need, depending on size, 6 to 15 gallons per minute (GPM) flow.

Portable Electric Spas typically have anywhere from 20 to 50 jets.

For example – 30 Jets X 10 GPM = 300 GPM

Typically this is accomplished by (2) 150 GPM pumps. Which would require (4) 150 GPM drains.

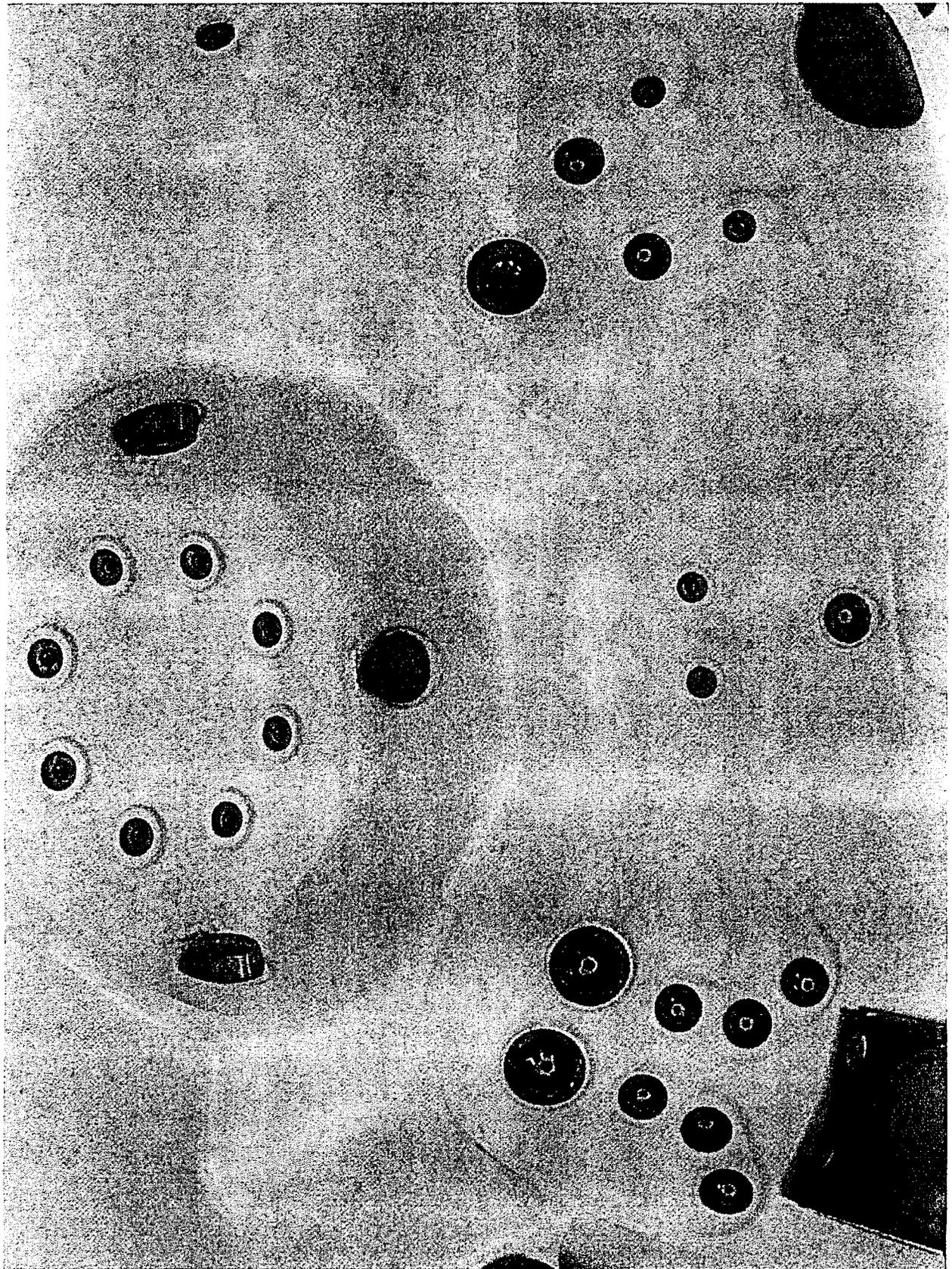
Current drain systems are being
down rated by at least 50%
under the new test methods of
ANSI 112.19.8.

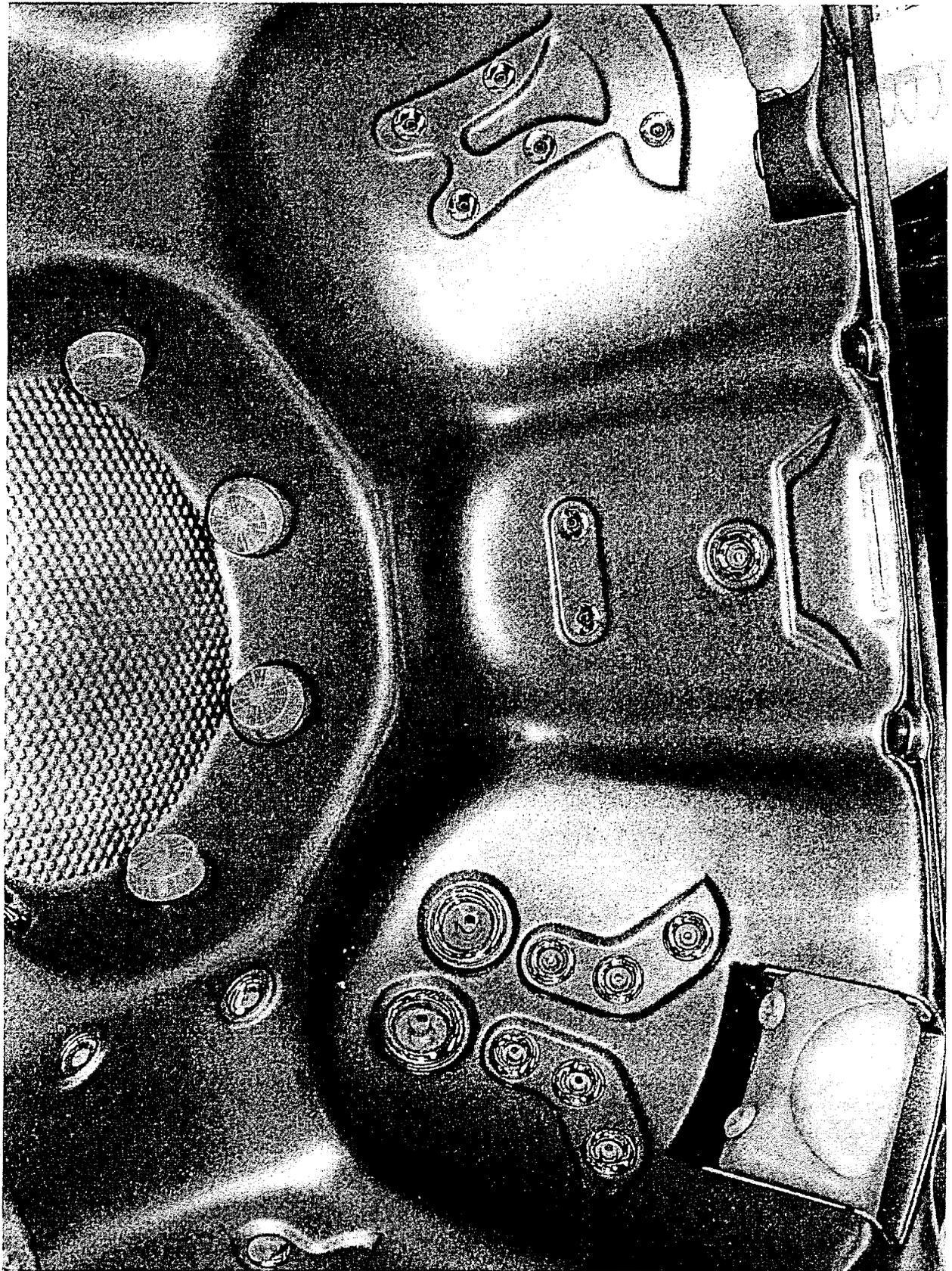


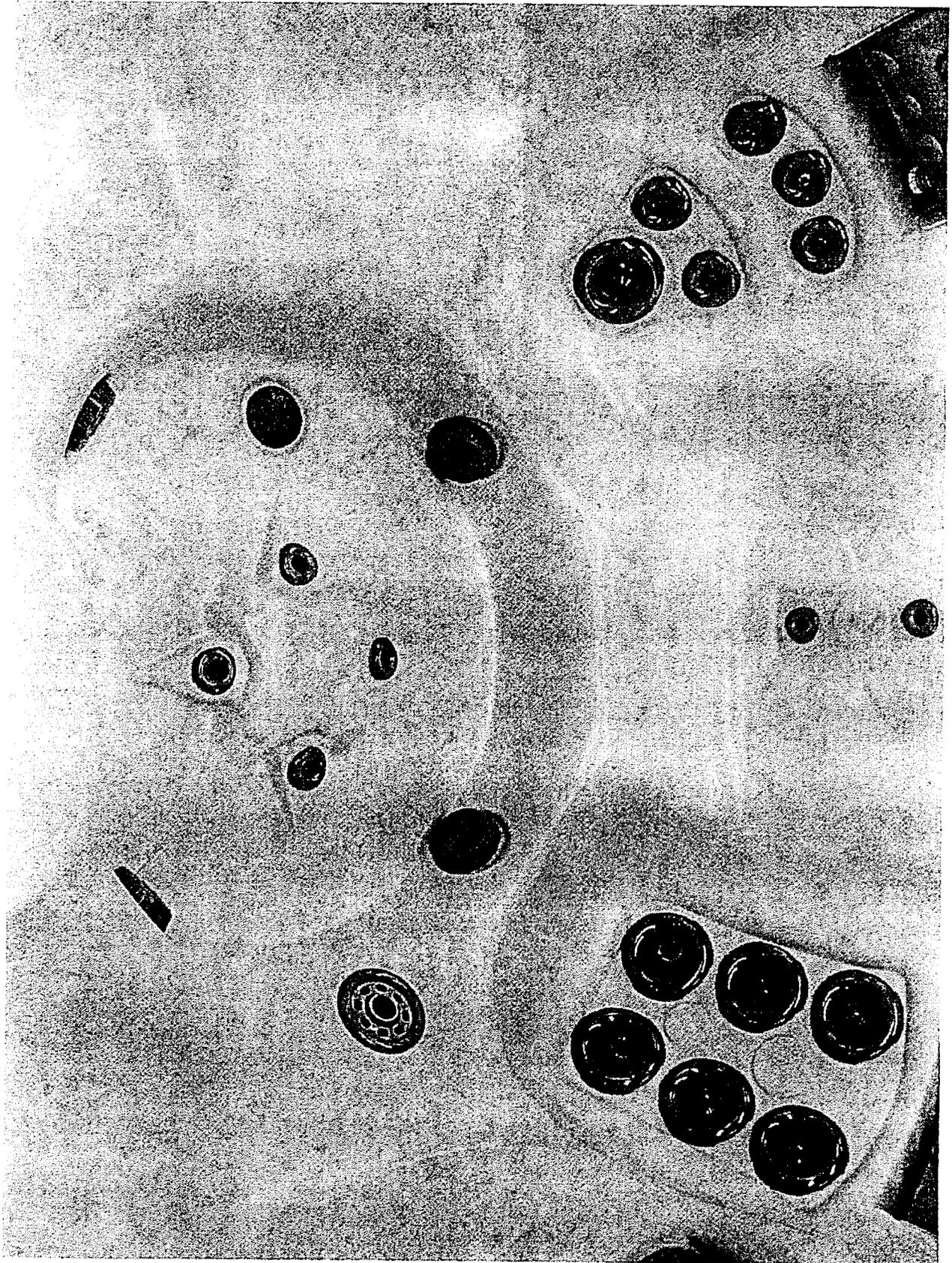
Retroactive change-out of drains is not a practical concept.

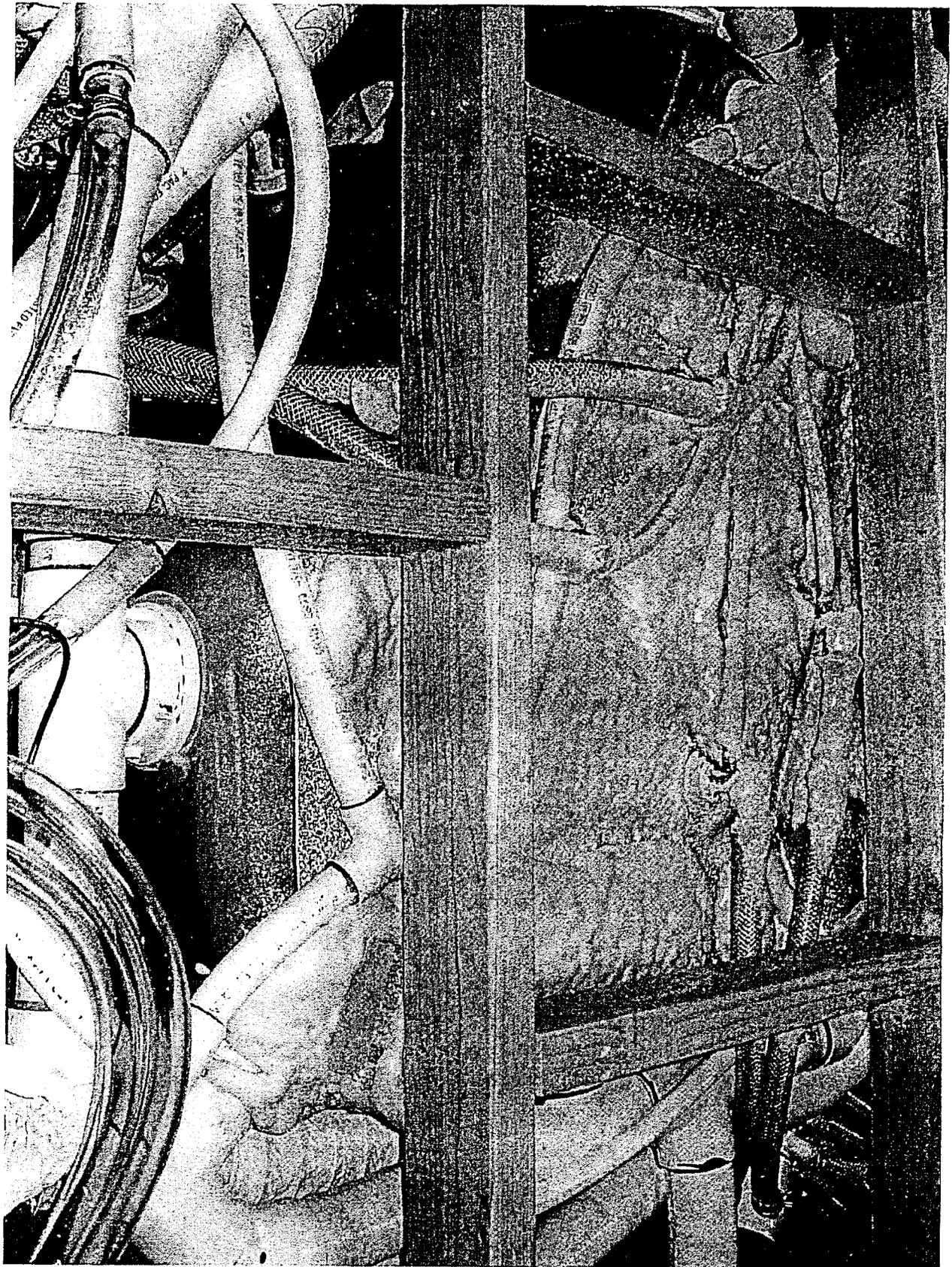
Economically, it would take 4-6 man hours to change a spa with 4 drains.

Physically, new drains would probably be larger than the existing drains, and may not be able to be retrofitted.



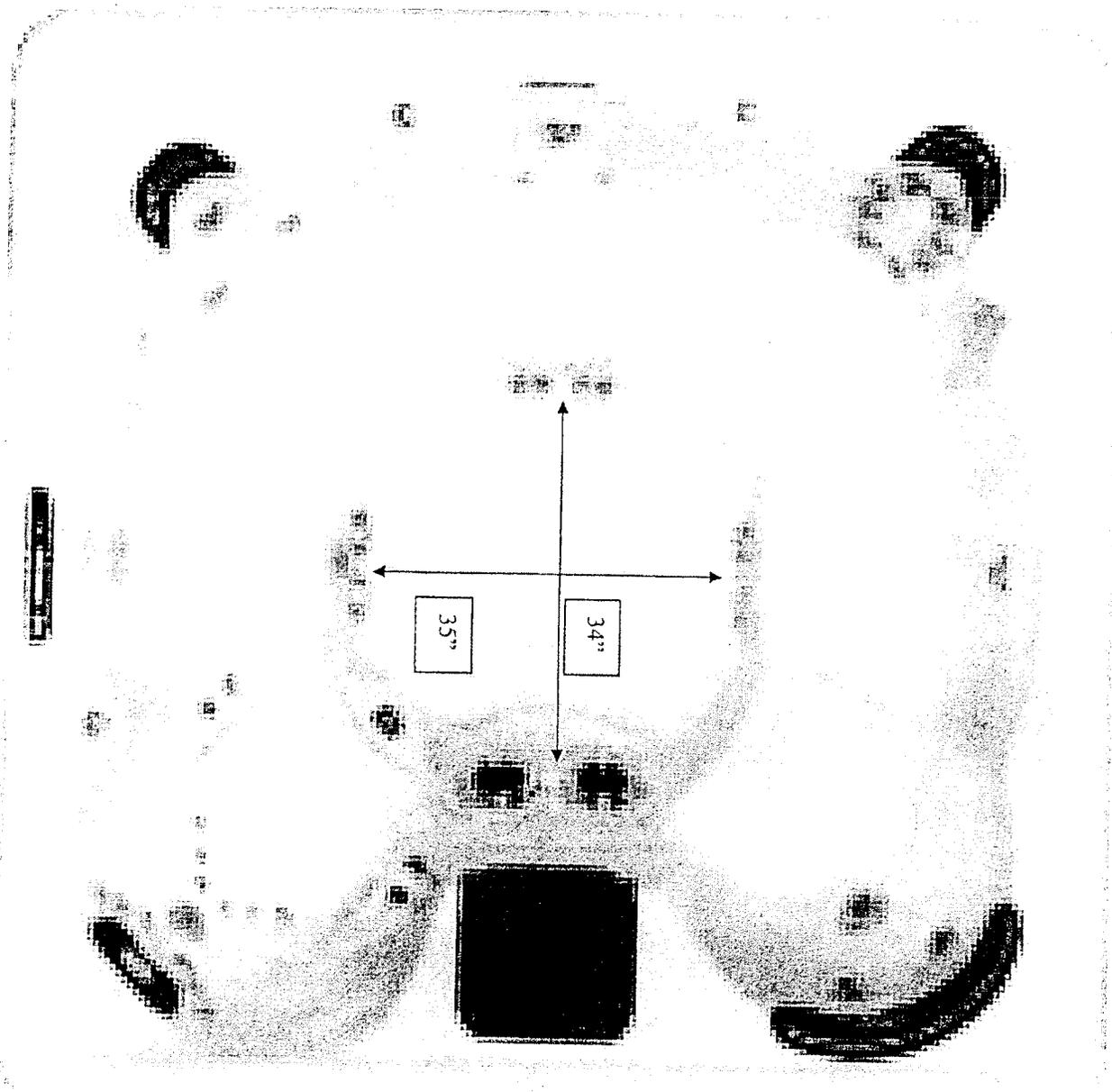






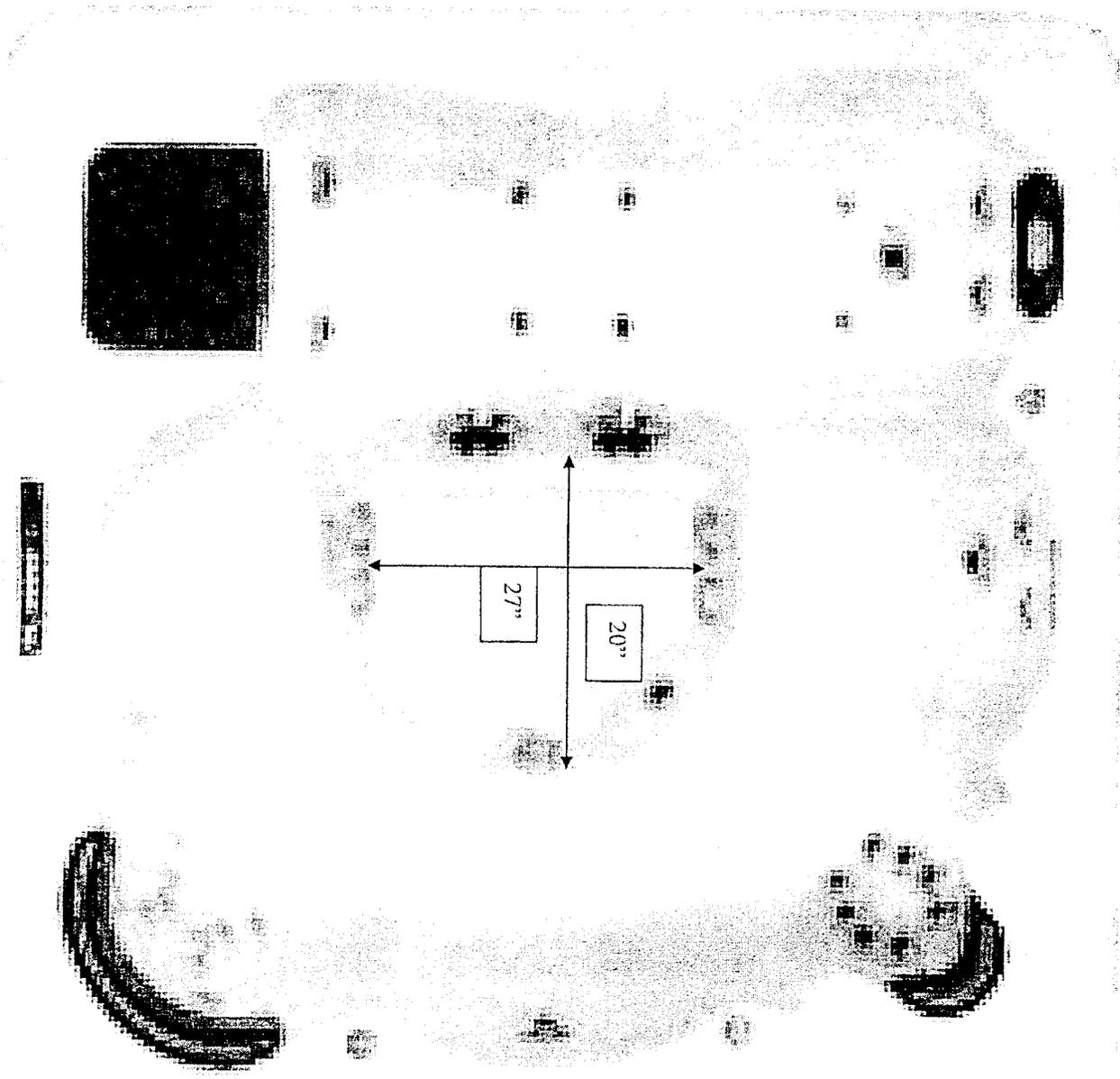
Unblock able Drain

- Drains in the foot well are the safest as they are least likely to be covered by body parts.
- Due to the small size of Portable Electric Spas, foot wells are limited in size.
- Drains on two planes have proven effective for over 30 years.



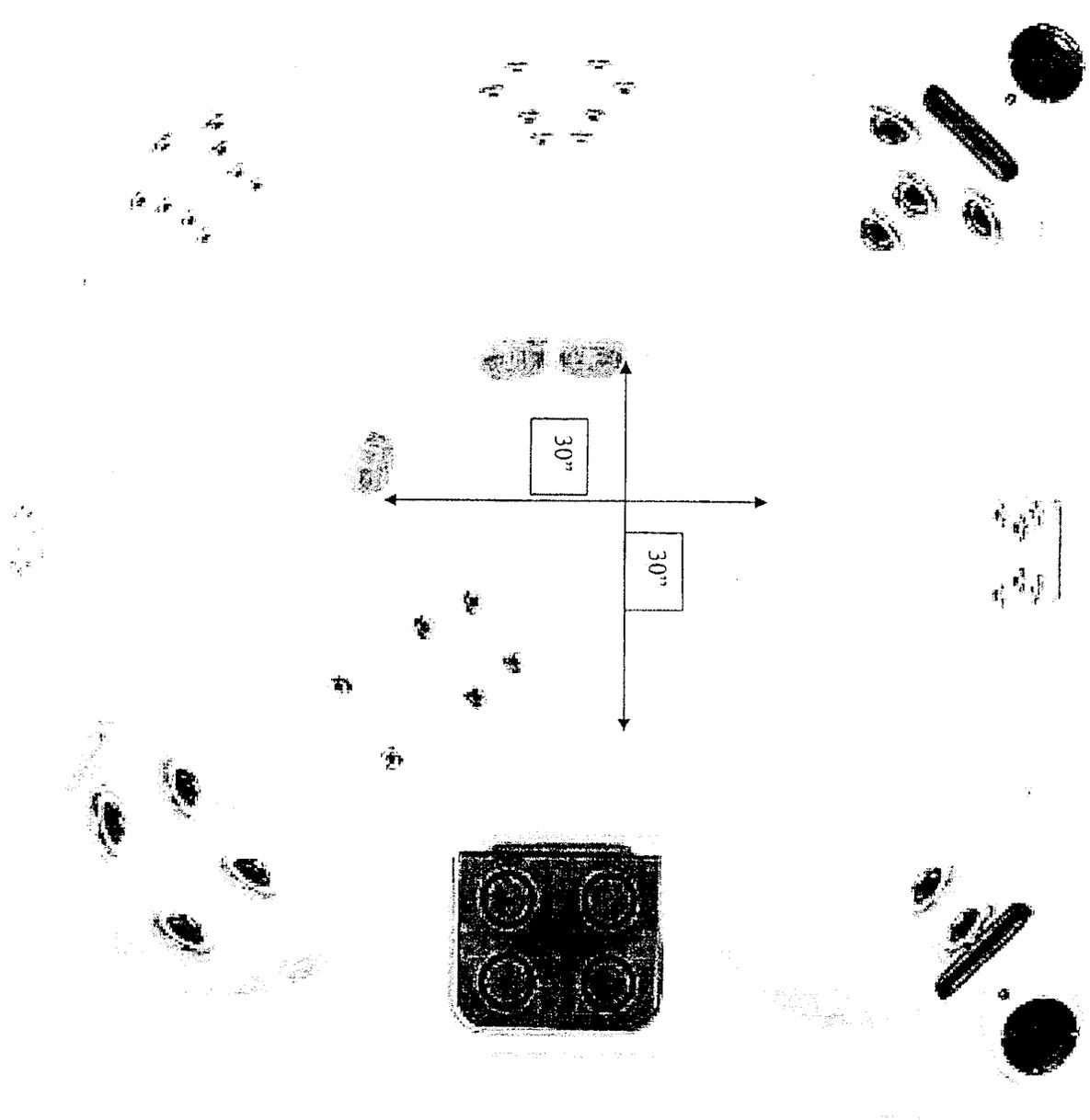
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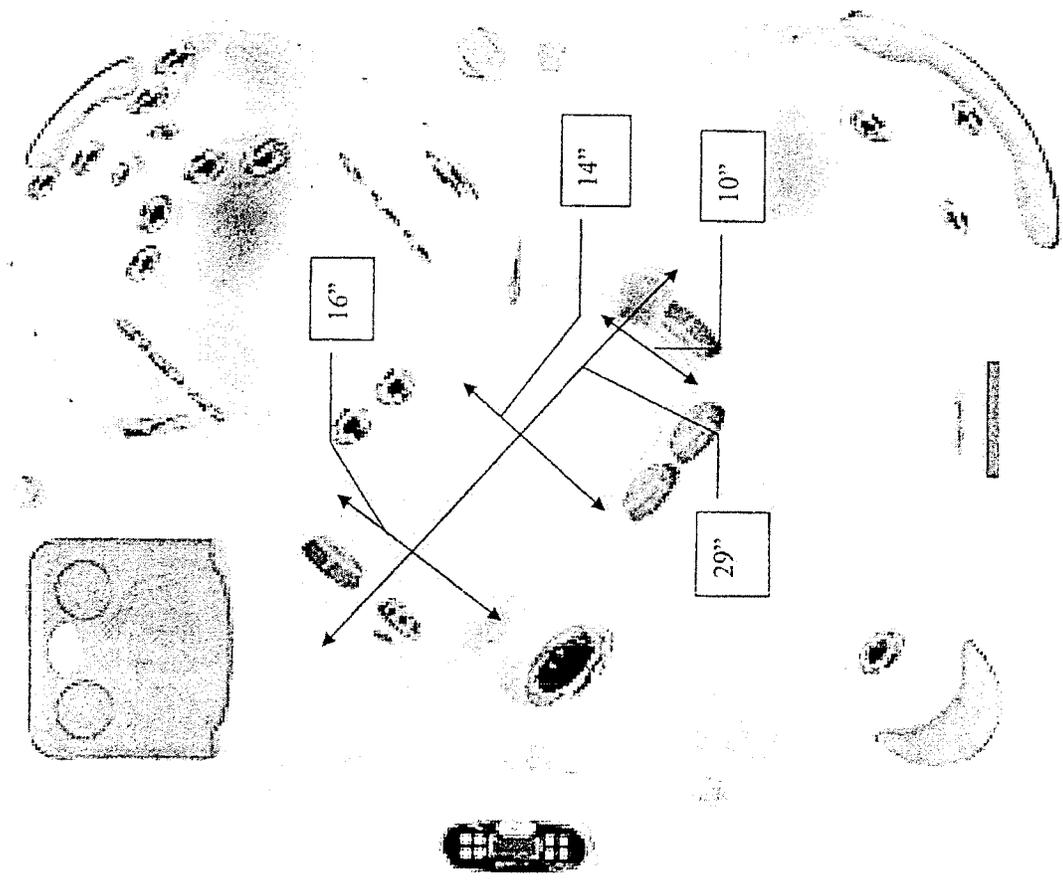
34



27"

20"





16"

14"

10"

29"

SMALL RECTANGULAR LABEL