CURRENT INFORMATION 2023 LANDELL FLUTES LLC

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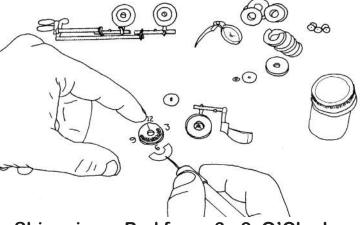
322 Main St. PO Box 528 Wampum, PA 16157 USA Information Is Subject to Change Direct Phone (724) 740-1093 email: jonathon.landell@gmail.com Web Site: www.landellflutes.com

FLUTE REPAIR & RESTORATION

A fine flute should be maintained at least once a year by a qualified repair technician to allow the player to perform at their highest potential. The pads often swell or shrink due to humidity or temperature, and sometimes the skins become torn and leak instead of closing perfectly air tight. The changes that happen over time are very difficult for the player to detect, because they happen very slowly and we can compensate for these problems sometimes by squeezing the keys. That extra finger pressure can hamper your ability to play smoothly and precisely at high speeds. It also can make the flute sound weaker and less resonant. The mechanism hinges need to have the oil changed every year to prevent the action from becoming slower and hesitant when returning to the open position.

Flute padding is a specialty that has seen many changes and innovations over the last few decades. There are just about as many patents pertaining to wind instrument pads as there are related to the design of wind instruments. Over the years we have experimented with many different pad designs, but our favorite pads are made by David Straubinger or Jim Schmidt. These pads are made with a synthetic felt that is perfectly flat and very stable in changing environments, so they are very stable over time without developing air leaks like the

traditional pads made from pressed felt. The skins for Straubinger pads are the same bovine membrane used to make traditional felt pads, so they might tear after long and hard use. But the Schmidt pads use Mylar for the skin, which has been coated with a very thin layer of silver or gold on the surface that touches the tone holes. This Mylar skin will last for many years without tearing, and the metal surface of the skin gives the technician the ability to see the smallest air leaks by inserting a light source inside the flute body and closing the keys with minimal finger pressure to detect any problems with the pads' seals. We can work with shims that are .0005" thick to eliminate the tiny air leaks in these Schmidt pads.



Shimming a Pad from 3 - 9 O'Clock

This precise padding technique requires the technician to prepare the tops of the tone holes to be made perfectly flat and level first. We hone each tone hole's top surface until there is no light underneath a perfectly flat gauge, while looking at the contact area with a light inside the flute body. Such work takes a lot of time before padding, but in the long run it makes the installation of the pads much easier, because there are no small partial shims needed under the pads. Then, of course, that kind of work doesn't need to be done again and again. There is an audible improvement with either of these pads, which is best noted in fast scale passages or runs. The Schmidt pad may be slightly louder when the pads are being closed than the Straubingers, but the difference is only noticeable at close range (if at all). The most quiet pad is still the traditional felt pad, but the problems associated with slowly changing pad thicknesses over time make the new pad designs much more practical.

All of the common mechanical repair and restoration issues are handled at the time of a complete overhaul, when we stretch the key hinges that are worn and moving side-to-side, or the pivot screws need to extend further into the steels to remove wear. Sometimes the soldered tone holes may need to be removed and resoldered, if they are leaking at the solder joint anywhere. All this work and even more comes easily with a lifetime of experience and daily practice for a Master Flute Maker, and you can perhaps come and apprentice to train yourself for another generation of fine flute making and repair at Landell Flutes. If you have mechanical aptitude and lots of patience and if you can play the flute well, consider taking the classes that are offered here and have already given hundreds of others like yourself the training they needed to aspire to this work. We are eagerly looking for young people who would invest in this opportunity, and then they could perhaps become apprenticeship members of the new Landell Flutes LLC. -- Let's talk!



SPECIFICATIONS

LANDELL FLUTES LLC, 322 Main St., PO Box 528, Wampum, PA 16157 USA E-Mail: jonathon.landell@gmail.com Phone: (724) 740-1093

Custom Hand Made Flute Order Form

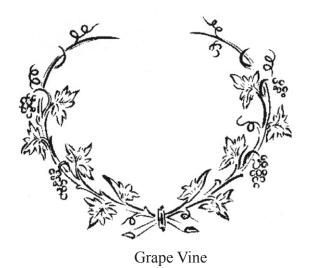
Last Name	, First Name			Home Phone		
Street Address				Cell Phone		
City	Si	tate ZIP Coo	le	Country		
X Signature			E-Mail A	Address		
I hereby	commission a ne	ew Landell Flute a	as described b	by the features on the list below.		
I underst	and that this is a	a legally binding co	ontract betwee	en myself and Landell Flutes.		
		Basic Pric Extra Cost Optic	ons:			
Flowers & Bow	"Perforated" 2-					
Lip Plate En	graving 3. 4-					
	5-	TOTAL COM	MISSION \$			
Grape Vine	Laurel Wreath	Please Call	for Curren	t Prices		
Pitch:	A= 440	A = 442	A = 444	A = 446 Other		
Body:	Silver	Argentium Silver	10K Gold	14K Gold Other		
Keywork:	Silver	Argentium Silver	10K Gold	14K Gold Other		
Tubing:	.012" (Gold)	.014"	.016"	.018" Other		
Foot Joint:	C Foot Joint	B Foot Joint	Convertible E	B/C D Foot		
G Keys:	In Line G	Offset G	Split E	Split G Donut in G		
Key Style:	French	Covered Key	Gizmo:	With Gizmo Without a Gizmo		
Head Cut:	Modern	Traditional	Case:	Hardwood Leather		
Pads:	Modern	Traditional	Case Cover	: Leather Nylon		
EXTRA COST:	D# Roller	C# Trill Key	Split E Key	Left Hand Lever		
	14K Gold Emb.	10K Gold Emb.	Gold Ring	Platinum Ring Emb. Engraving		
Engraving:	6 Flowers & Boy	w Perforated -3-	Grape Vine	Laurel Wreath Other:		

Unique Features of the Landell Flute

- 1- "Gold Ring" Riser Head Joint
- 2- Alpha-Omega Logo
- 3- Argentium[™] Silver Will Not Tarnish
- 4- Ball Bearings
- 5- Captive Pad Screws
- 6- Certified Straubinger, Schmidt and Muramatsu Pads
- 7- Clutches Not Adjusting Screws
- 8- Cooper/Bennett Scales
- 9- Crown Made with Air Tight Seal
- 10- Custom Made by Commission to Order
- 11- Domed Pad Washers
- 12- Double Axel Thumb Keys
- 13- Hand Engraved by Mr. Landell
- 14- Hardwood Fitted Case
- 15- Head Joint 'Stopper' O Ring Not Cork
- 16- Head Joint "Array" with 16 'Cuts' to Choose From
- 17- Head Stopper with Setting Stopper
- 18- Kicker *Corks* not Felt
- 19- <u>Never</u> Plated Only Solid Silver or Gold
- 20- All Soldered Tone Holes NOT Drawn
- 21- Optional One Piece Body and Foot
- 22- Pinned Key System by Boehm Not BRIDGES
- 23- Pivot Screws with Heads
- 24- Plastic Pad Shims Not Paper Which Change Thickness Over Time
- 25- Pointed Arms "French" Model
- 26- Screw Slots with a Radius
- 27- Stainless Steel Axels Won't Rust
- 28- Tapered Pivots NOT Cylindrical
- 29- Technical Training for Flute Workers
- 30- Titanium Body Tube/with Silver Keys

Please inquire by email or phone for more detailed information. These are standard features of every handmade Landell flute.

Hand Engraving Patterns





Laurel Wreath





Crown End Engraving



Pan Flutist



Six Flowers & Bow



Pappoutsakis Competition

-5-

Landell Flutes LLC, 322 Main St., Wampum, PA 16157 USA Phone 724-740-1093 E-Mail to jonathon.landell@gmail.com

> **Registration Form - 2023** Please fill out and mail, email or FAX in Advance



<u>Please</u> !					www.iano	demutes.com
PRINT CLEARLY & DARK	LY My E-Mail Address		@			
Last Name	First Name			Home Phone		
Street Address				Cell Phone		
city Please Circle Date	State			ZIP or Postal Code	COUNTRY	
2022	Tuition + Material	<u>s</u> _Winter	Spring	Summer I	Summer II	Fall
Flute Tune-Up (prin	nt date) \$ 600					
Padding Technique	es \$ 2,000	2/6 - 2-10	4/3 - 4/7	6/5 - 6/9	7/3 - 7/7	8/7 - 8/11
Overhaul Techniqu	ues \$ 2,000	2/13 - 2/17	4/10 - 4/14	6/12 - 6/16	7/10 - 7/14	8/14 - 8/18
Build Your Own He	ead! \$ 3,000	2/20 - 2/24	4/17 - 4/21	6/19 - 6/23	7/17 - 7/21	8/21 - 8/25
Advanced Padding	g Tech. \$ 2,500		4/24 - 4/28	-	7/24 - 728	10/16 - 10/20
Build Your Own Fl	ute! \$ 24,000	-	-	-	-	9/4 - 10/13
2024 Dates are subject Call/email for lat	U	Winter	Spring	Summer I	*Pre-arrange Summer II	ed Class for Erika Fall
Flute Tune-Up (prir	nt date) \$ 600					
Padding Technique	es \$ 2,000	2/5 - 2/9	4/1 - 4/5	6/3 - 6/7	7/1 - 7/5	-
Overhaul Techniqu	es \$ 2,000	2/12 - 2/16	4/8 - 4/12	6/10 - 6/14	7/8 - 7/12	-
Build Your Own He	ad! \$ 3,000	2/19 - 2/23	4/15 - 4/19	6/17 - 6/21	7/15 - 7/19	
Advanced Padding	Tech. \$ 2,500	-	4/22 - 4/26	-	-	-
Build Your Own Flu	ute! \$ 24,000	-	-	-	-	9/2 - 10/11
I will have a	Proj	ect Flute -O	R- would	l like to use a proj	ect flute provide	d for me (\$100).
I am including a Ma deposit is <i>non-ref</i>	Print Part terial Deposit of \$5 <i>undable</i> if I cannot a Note: The Build You	ttend during the	week(s) for which	h I have registered.	My deposit could	be applied to

I understand and agree that reservations for the courses should be made *two months in advance*. Because class size is limited, some courses will fill up quickly and others could be smaller. (I will call to check for last minute availability.) Tuition for One-on-One private training will be 50% more than for scheduled classes. Call for arrangements.

I fully understand and agree that if I am unable to attend the class for personal reasons or if Mr. Landell finds that I am unsuitable to the work for any reason, I could request a tuition refund pro-rated at \$200 per day for each full day that I missed.

|--|

I agree to hold harmless Mr. Landell, Landell Flutes LLC, and other principals for any personal injury to myself or my property during these courses. I agree in advance to waive any rights of personal or property damage pursuant to these courses.

Yes, I understand that I am signing a *legally binding contract* with Landell Flutes LLC for training at the Landell studioworkshop for the dates I have chosen under these terms and conditions.

-6-My Signature

The Flute Tune-Up

The wonderful and simple mechanism of the flute can be successfully maintained by any student. This short course brings the simplicity of the flute into the hands of the student through a series of skill-building steps. Using the **Landell Flute Tune-Up Manual** as a text, each student will be personally guided through the disassembly and reassembly procedure, learning the proper oiling techniques and acquiring skills in the use of the tools. People of all ages have experienced the satisfaction of knowing their flute on the mechanical level and the confidence derived from cleaning and oiling it properly themselves. Arrange for a class at your locaion! **Appointment only.**

> 6 - 8 Hour Class \$ 400.-Book and Tools 200.-

Padding Techniques



The next logical step in maintaining your own flute is to acquire the skill of pad installation and leveling. Class begins with **The Flute Tune-Up** on the first day. Students then learn how to install and level pads by applying the same techniques practiced by the most highly qualified repairmen. Furthermore, this course offers all the important skills needed to replace the corks, felts, and

\$1,500.-

500.-

connections, and to make the final adjustments. Students should bring their own flute to pad during this course. Tuition price includes a Tune-Up Tool Kit, Pin Driver and Manual.

Five Day Tuition

Books and Materials

3

Overhaul Techniques

This course is designed especially for students who want to know how to overhaul and restore the flute in preparation for working as a professional flute repair technician. Many of the skills needed to overhaul fine flutes will be covered including removing dents and scratches, stretching worn keys, repairing solder joints on soldered tone holes, polishing and cleaning the flute, re-pinning, replacing broken springs, etc. Some time will be devoted to techniques of making special tools, operating the lathe and other machines, hardening steels, and important machine shop tips.

Prerequisites: (1) The Project Flute must be completely disassembled by the student before it will be usable in the class. (2) Students must attend the Padding Class prior to attending the Overhaul Class.

Five Day Course Tuition \$ 1,500.-Books and Materials 500.-

Advanced Padding Tech.

After a few years experience padding flutes with conventional felt pads, many repair technicians will need to learn how to install the high tech pads that have been developed and patented recently by well known makers. The high demand for this training has caused a waiting list for technical training using synthetic modern pads making it difficult to learn about them. More and more flutes are circulating with these high



tech synthetic materials, so many customers need qualified repairers who know how to use them properly. The advantages of the modern pad design give the flute longer lasting stability and better air sealing properties. Measurement tools are now made to determine just how 'tight' the pads are actually sealing, so the repairer can show the customer how much better these pads are sealing if they really want to know. Tone holes must be perfectly 'level' on top, and there are significant differences between these various pads. We will work with Straubinger, Schmidt and Muramatsu "Lotus" pads if possible. Call for making arrangements. Experienced students are encouraged to come for this class.

Five Day Class	\$ 1,400
Books & Materials	900

Build Your Own Head!

The head joint is comprised of only three parts: the lip plate, the riser and the tube. It is the logical place to begin to learn how to make a flute. During this course, each student will make a flute head joint from beginning to end, learning most of the skills needed to make a flute, including filing, sanding, scraping, burnishing, silver and lead soldering, polishing, cleaning, basic tool making and lathe operation. The important design characteristics of the head joint will be discussed, and students will leave with a hand made silver head joint for his/her own flute.

(Completion of Courses 1 - 4 is required for this course.) Five Day Tuition \$1,400-Books & Materials 1,600-

Build Your Own Flute!

Students who would like to learn all about the trade will want this complete introduction to flute building. The course will begin with a body kit and all the parts necessary to build the keys. The course ends at the point where the flute is ready for springs and pads. Naturally the finished flute becomes the personal property of the student! The following list of skills will be covered during the course: soldering and brazing, filing, grinding, scraping, burnishing, fitting and assembling keys, pinning, etc. A complete booklet containing all the important course notes is provided for each student. All necessary tools will be provided for use during the course, and may be purchased at the end.

> Six Week Course Tuition \$ 8,000-Books and Materials 16,000-

PLEASE POST BENCH TRAINING FOR FLUTE WORKERS

Landell Flutes

Jonathon A. Landell, Master Flute Maker



Padding Techniques Advanced Padding Tech Overhaul Techiques Build Your Own Head! Build Your Own Flute!

SMALL CLASS SIZE

ONE WEEK COURSES Each Class Runs 10 am - 6 pm Monday - Friday One Day "*Tune-Up*" Classes Scheduled on Saturdays by Availability Landell Flutes Workshop 322 Main St., Wampum, PA 16157 Email to jonathon.landell@gmail.com-

Call (724) 740-1093

2023 DATES

Dates are subject to change. Check the web site for current information. Registration Forms and Material Deposits Due 1 Month Before Class One-on-One Private Training Sessions Can Be Arranged By Appointment One-on-one requires additional 50% tuition fees. Please call for information.

Send the Reservation Form to Reserve Your Bench Today!

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Tuition + Materials Winter	Spring	Summer I	Summer II	Fall
Padding Techniques \$ 2,000 2/6 - 2-10	4/3 - 4/7	6/5 - 6/9	7/3 - 7/7	8/7 - 8/11
Overhaul Techniques \$ 2,000 2/13 - 2/17	4/10 - 4/14	6/12 - 6/16	7/10 - 7/14	8/14 - 8/18
Build Your Own Head!\$ 3,000 2/20 - 2/24	4/17 - 4/21	6/19 - 6/23	7/17 - 7/21	8/21 - 8/25
Advanced Padding Tech.\$ 2,500	4/24 - 4/28	-	7/24 - 728	10/16 - 10/20
Build Your Own Flute!\$ 24,000	-	-	-	9/4 - 10/13

Browse to <u>www.landellflutes.com</u> and download "Current Information" for Registration Form and Details. Call directly to Jonathon Landell at for the latest plans and availability.

	LANDELL FLU	TES LLC 322 Main St., W	ampum, PA 16157 P	Phone: (724) 740-109	03
	a b 1	REPAIR WORK	CORDER 20	23	
Name:			Date:		
Address: _			Maker:		
City, ST _			S/N.		
Email:	Phone:				
WORK <u>DETAILS</u> :	WORKING ORDER	Clean, Oil Adjust	Repad	Overhaul	SPECIFIC JOB
I PREFER <u>SHIPPING</u> :	UPS	FEDERAL EXPRESS	REGISTERED MAIL	NEXT DAY	GROUND SERVICE
Quoted Price: Extra Work: Shipping:	Hours:	Per Hour:	Promised:		
Total	\$	\$	X		
	Min.	Max.	YOUR SIGNA	ATURE	
		NORMAL REP	AID COSTS		
	MEC	HANICAL MACHINE		Pads Set-Up	Cost
Complete Over				$\sqrt{1000}$	\$ 1,300
Recon		\checkmark	\checkmark	\checkmark	900
Repad			\checkmark	\checkmark	800
Clean, Oil and	Adjust				295
"Mechanical" Tig "Machine Polish" "New Pads" choid "Set-Up" includes "Complete Overf condition at hour	ghten wear points, r " includes using buf ce of felt, Straubinge s adjustments for co HAUL" includes all th rly rate + materials.	nons, clean and oil mecha emove dents and scratche fing machine with rouge er, or Schmidt pads, instal nnections and pad openin e above within the Norma Quotes will include high y the owner before any wo	s, repair/replace hard and tripoli, ultrasonic lled with foundation ngs, spring tension, c al Scope of Work. Un and low estimate and	ware as needed. Pe c cleaner, tarnish p washers and with P orks and felts as ne uusual damage will l not-to-exceed cos	arts are extra. reventative. oned tone holes. reded. be repaired to as-new ts.
	À la carte	DECLARED V	VALUE FOR SHIPPING	\$	
New Pads Head Corl New Pins (x 15-		have my own shippi do NOT have my ov	-	

Please bill me for shipping and insurance.
-9-

TRIAL AUTHORIZATION -- FLUTES OR HEAD JOINTS

Today's Date		Return by
Borrower's Name		Cell Phone
Mailing Address		Home Phone
City or Town, STATE	ZIP	
Email Address		
of the value of the Flute(s) and/or Hea time I have them for trial purposes. I Card Number		nt of \$ for security during the insurance company to cover the value.
\$Amount USD Authorized		Security Code
under no obligation to purchase. I ack	knowledge that if the ll be responsible to pa	of play-testing a flute and/or head joint, and that I am listed instruments are not returned in like new condi- ay for repairs or for the replacement in case of theft. charge the above account.
Card Holder Signature: X		Date:
Jonathon A. Landell Landell Flutes 322 Main St. Wampum, PA 16157 USA Email: jonathon.landell@gmail.com		

-10-

Phone: 724-740-1093

FAX: 724-740-1093 (Call first)

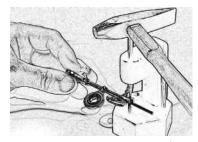
TOOLS FOR FLUTE REPAIR

Tune-Up Tool Kit & Pin Driver

Tools supplied with the Tune-Up Class and Padding Tech. class includes everything you'll need to do a C.O.A. but doesn't include the Aluminum Pin Driver set needed to take out all the pins properly. Tools included with the class are as follows: Reversible Blade Screwdriver, Long Blade Screwdriver, Spring Hook, Wood Screw Block, Tune-Up Oil, Tweezers with Lock, Pin Vice & Needle, Pad Slick Landell, Cigarette Paper, Pipe Cleaners, Single Edge Razor Blades, Barge Contact Cement, Work Surface Cover, Pad Ironing Tool, Pad Clips, Cork Grease, Head Cork



Tune-Up Tool Kit \$400.-



Removing pins is always a challenge for flute repairers, because the pins are often installed with too much force and removing them can leave marks in the keys. This Pinning Set includes several different hardened pin drivers which are made to self center in the top of the pins. One driver is larger for pushing pins that have the ends protruding out, and the other is small enough to drive the bottom end of the pin into the key if it's been ground off flush with the key. There are several brass Posts that support the key during this process, which have lead solder in the top to gumpert the key without marking it.

Aluminum Pinning Set \$150.- have lead solder in the top to support the key without marking it.

Tools for Padding Tech. Class

- 227 Stick Shellac
- Head Joint Cork (no hole)
- 233 Head Cork with Hole
- 234 Felt Thick and Thin
- 235 Alcohol Lamp, glass
- 237 Pliers, Curved End
- 238 Pliers, Vice Grip
- 244 Matches
- 245 Opti-Visor
- 247 Needles for Making Pins (doz.)
- 249 Grobet 6" Hand Files-Tone Holes (2)
- 250 Padding Techniques Notes
- 252 Pad Opening Guage

More Tools For Sale. Please ask for current prices.

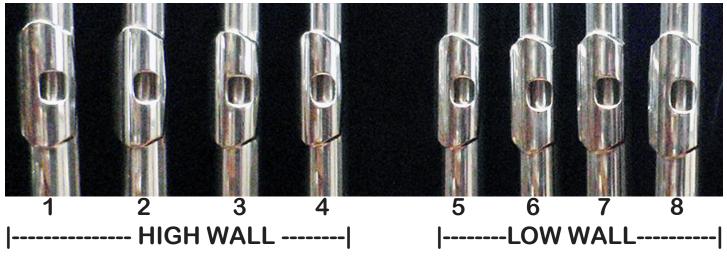
More Tools à la carte

Come for the classes first and decide what tools you'll need while you're here. We'll provide the basic tools and supplies for the class experience, and you'll receive the Course Notes and all these tools with the class while you're here. If you just want to buy the Course Notes, you may deduct the amount you pre-paid when you make a reservation for a class from the schedule.

Tools for Overhaul & Mechanical Class

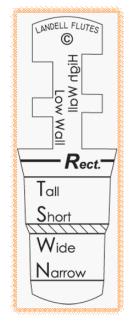
- 249 Lutz File Handles (2)
- 351 Scraper 5/32 Drill Blank
- 352 Burnisher Blank OHDR 3/16 x 2
- 353 Head Cork Setting Dowel Unfinished
- 354 WHDR .0935 x 9 Reamer (2)
- 355 Swedging Pliers Chain Nose
- 356 Brass Hex Tamper 1/2 x 2
- 357 Space Block .0625
- 358 File Half Round #6 Needle
- 359 Counterbore 3/16
- Hex Wrench .048
- 361 India Stone FF-146
- 362 Wood Handles (2)
- 363 Sandpaper Samples
- 364 Washout Brush
- 365 Drill #71
- 366 File Blank 6" for Burnisher
- 375 Drawer Organizer Box 15 x 6 x 2
- 100 Fine Flute Repairing (Tune-Up) 175.-
- 200 Padding Tech. Course Notes 200.-
- 300 Overhaul & Mechanical Tech. Notes \$ 200.-
- 400 Advanced Padding Tech. Notes 250.-
- 500 Build Your Own Head! Course Notes 300.-
- 600 Build Your Own Flute! Not Yet Available

Rectangular Cut



ARRAY of Head Joint Embouchure Cuts

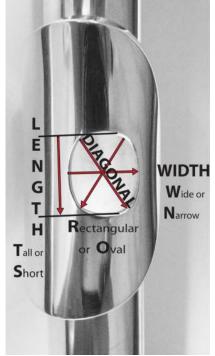
We have a unique selection of sixteen head joints that have been carefully cut for the purpose of determining the best size and shape for your embouchure hole. As you grow and mature as a player, your head joint needs will change. Rather than using the one-size-fits-all approach to embouchure hole design, Mr. Landell uses this collection that he calls an "ARRAY" of heads as a tool for the players. By playing a variety of flute repertoire on the Array, each player can decide which cut works best for their present skills and abilities. Mr. Landell will make them a new head with exactly those specifications and fit it to their preferred



Measurement Gauge

\$50.-

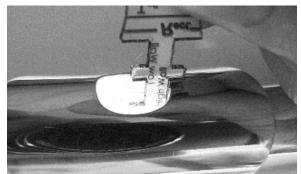
instrument. This 'head joint audition' can be done at the Landell's new home near Wampum, where we have a Steinway grand piano and a large open room with good acoustics. Our Array of head joints and test flute are made with the new "Argentium Silver" alloy, which is tarnish resistant. Other choices of precious metals are possible by special order.





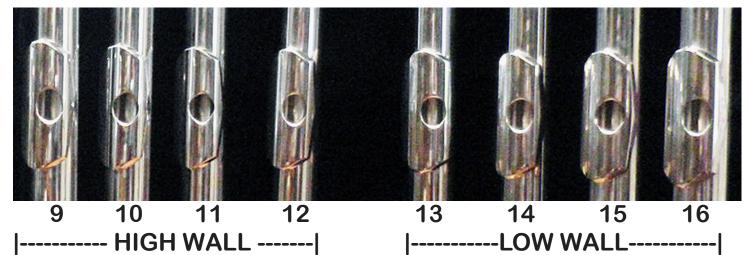
Measure Width Wide - Narrow

-12-

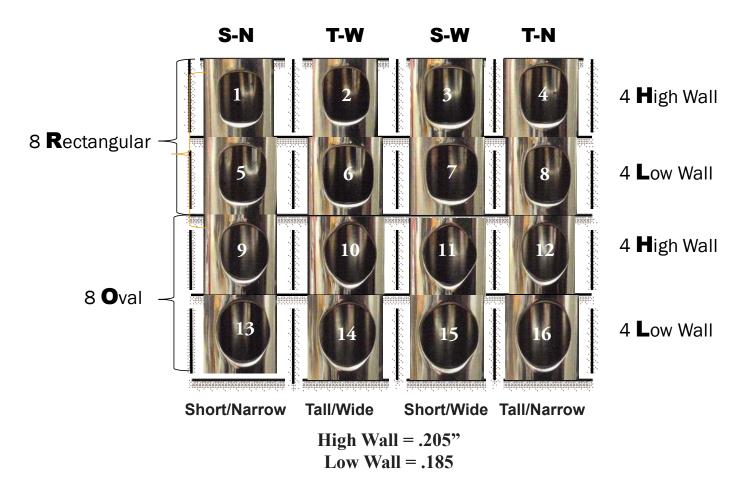


Measure Height High - Low

Oval Cut







LANDELL HANDMADE FLUTES FOR SALE



Serial Number 28: 14k Gold Tube, Silver Keys, B foot, Engraved Lip Plate, A=442, In-Line G, 1998 \$23,000 USD



Serial Number 182: All Argentium Silver, B Foot, D# Roller & Gizmo, C# Trill, A=440, In-Line G, 2010 \$15,800 USD



Serial Number 11: All Sterling Silver, B Foot, D# Roller & Gizmo, A=442, Offset G, Traditional Head, 1974 \$14,000 USD



C# Trill with Landell Double Axel Thumb Keys