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GUARANTEE

IF YOU HAVE A PROBLEM OF ANY KIND WE WILL SOLVE IT OR YOU MAY RETURN YOUR PRODUCT, FOR ANY REASON, WITHIN 30 DAYS. THERE IS NO RESTOCKING PENALTY. IN ADDITION, WE GUARANTEE OUR PRODUCTS TO BE FREE OF ANY DEFECTS IN WORKMANSHIP OR MATERIALS FOR TEN YEARS. YOUR SATISFACTION IS GUARANTEED. CUSTOM WORK IS NOT RETURNABLE.

WE UNDERSTAND THAT TO RECEIVE A LARGE STRUCTURE VIA TRUCK DELIVERY REQUIRES CONFIDENCE IN THE MANUFACTURER. OVER THE YEARS, WE HAVE EARNED A REPUTATION FOR VERY HIGH STANDARDS IN BOTH THE QUALITY OF OUR PRODUCTS AND IN OUR CUSTOMER SERVICE.

YOU MAY ALSO VISIT US AT OUR WORKSHOP TO VIEW OUR PRODUCTS FIRST HAND. PLEASE VISIT OUR WEBSITE FOR NEW PRODUCT UPDATES.



WESTERN RED CEDAR
GARDEN STRUCTURES

trellis
STRUCTURES

VOLUME 13

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ABOUT US

Thank you for your interest in Trellis Structures and welcome to the thirteenth volume of our garden structures catalog.

BEGINNINGS

Founded in 1995, as a division of our furniture design and manufacturing business, Trellis Structures has become a leader in the design and production of fine garden structures.

GOALS

We are dedicated to excellence in providing the highest quality garden structures that are designed to meet a variety of style and size requirements and are built for long lasting enjoyment.

CRAFTSMANSHIP

We think a garden structure should be crafted with care and created with the same quality of materials and attention to detail commonly found in fine custom wood working, yet often lacking in today's garden market.

DESIGN

From the inception of the design to its realization as a structure, through its packaging and instructions for finishing, we take pride in what we produce. We make products that are designed for style, built for strength, and created for harmony and integration with the surrounding environment.

Our designs take a fresh look at classical shapes, with influences varying from English garden structures to Asian architecture and from the Arts and Crafts movement to the modern.

COMPARISON

When comparing products in various catalogs it is often difficult to discern the difference in quality of workmanship and weight of materials through photographs alone. We ask you to compare: our designs, our selection and the quality of our construction and materials. We feel confident that our products are the best value available.

WHAT DO YOU THINK?

We are always interested in receiving feedback from our customers. If you have any questions or comments about our product line, please call us at 888.285.4624 or email us at sales@trellisstructures.com.

VISIT OUR WORKSHOP

You are also welcome to stop by our workshop where you may view our products first hand.

Remember to visit our website at www.trellisstructures.com for new product updates.

Lastly, thank you to our valued customers whose support and suggestions have contributed to our success over the years.

David Valcovic and Patricia Cornell

PRODUCTS AND SERVICES

Trellis Structures produces an extensive line of arbors, trellises and garden structures that have the look and feel of quality custom pieces, yet are easily accessible to everyone, via shipment throughout the contiguous United States.

CUSTOM WORK

We also produce a full range of custom pergolas and trellises. Our pergolas are shipped from our facility to anywhere across the country. A few examples of our work are pictured on pages 29 through 37 of this catalog with many additional images in the Pergola, Custom Projects and Customer Photo Gallery sections of our website.

We design and build our pergolas to fulfill your individual needs, working closely with you to insure that your style and size requirements are completely addressed. We can also build from your design plans, if desired.

Our projects have been as varied as creating treillage screens for a Boston rooftop garden to designing and building an Art Nouveau style bridge in Florida. We've created large-scale pergola projects for shopping malls and condominium complexes as well as small structures for Hospital healing gardens.

SHIPPING

We ship within the contiguous United States. Our arbors and trellises are shipped via UPS. Some of our larger items that require assembly, will arrive in more than one box.

We take great care in the packaging of our products. Please save all of the boxes until the items have been inspected. On a rare occasion that something is incorrect with your order, please call us immediately. We will correct the problem as soon as we are notified.

Our arbors and trellises are shipped out of our facility within one to two weeks of the placement of the order. UPS delivery is generally between three to five business days. Occasionally, we may transport our products via our truck for deliveries within a certain range of our facility.

Large custom orders and pergolas are shipped via common carrier freight. Our pergolas and custom projects are crated with the utmost of care. Call us to discuss questions regarding the off-loading procedures.

Pergolas can take between three to six weeks to produce, however this timeframe can vary according to the size of the project and seasonal fluctuations in our schedule.

COMPARISON

We are the designers and the manufacturer of these products. Because of this, we are able to provide our customers with the personalized customer service that has contributed to our success.

WE ARE A PHONE CALL AWAY.

Drawing on over thirty-five years of experience in furniture design and manufacturing, we are always available to answer your questions regarding design, construction or installation of our products.

BY SELLING DIRECTLY TO OUR CUSTOMERS, WE ARE ABLE TO ELIMINATE MARKUPS, PROVIDING THE BEST VALUE FOR THE HIGHEST QUALITY PRODUCT ON THE MARKET.

When you order with Trellis Structures you are truly ordering "factory direct." All of our products are designed, built and shipped from our facility.

WE PROVIDE A FULL RANGE OF DESIGN SOLUTIONS TO ACCOMMODATE A VARIETY OF ARCHITECTURAL STYLES AND FUNCTIONAL SITE REQUIREMENTS.

We take great care in the scaling and proportioning of our pieces, so that everything works as a unified whole. Our collection of arbor, pergola and trellis designs is among the most extensive on the market. Every year we add new designs to our line and also improve upon existing manufacturing techniques in order to create a better product.

WE ARE ABLE TO ACCOMMODATE CUSTOMIZED STYLE AND SIZE REQUIREMENTS, WHEN NECESSARY.

Despite our full range of styles and sizes, occasionally there is a need for customization of one of our products. We can easily accommodate most alterations in our shop.

MATERIALS



The beauty of natural wood is evident in our products.

We use the finest grade, A and Better, clear, vertical grain, kiln dried western red cedar as our principal construction wood. According to the U.S. Forest Products Laboratory, western red cedar has the lowest rate of shrinkage of any wood, which means it is extremely stable and naturally resistant to warping and

checking. Of all domestic woods, western red cedar is also among the most resistant to decay, so it is the ideal choice for outdoor garden structures.

For the lattice wood, we use mahogany because of its strength in smaller cross sections. It is also very stable and resistant to decay.

The lattice is assembled in a variety of ways: woven, full 1/2 lap, partial 1/2 lap and the overlay method. The lattices are all very strong and assembled with stainless steel to avoid any streaking, rusting or staining of the wood.

Our arbors and trellis frames are screwed together with stainless steel screws, in conjunction with mortise and tenon joinery. Our metal stakes, which secure the arbors in the ground, are 1 3/8" rust proof aluminum pipes, with a thick 1/8" wall and are 36" in length.

We use an extremely durable, 100% waterproof, polyurethane glue. It is solvent free and the strongest glue available.

Our gate latch is imported from England. It is a very high quality piece of hardware that is galvanized and black powder coated. Our hinges are also black powder coated and have a nylon washer to eliminate wear and rusting.



CONSTRUCTION DETAILS

Our unique construction details ensure unparalleled durability. Many factors, several of which are outlined below, contribute to our products being the most well designed and solidly constructed garden structures available.

Each of our pieces is handcrafted; incorporating the joints and methods applicable to the furniture trade in their construction. In addition, each piece is carefully inspected before leaving our premises.

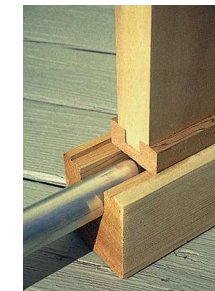
Some of the more unusual details that we incorporate in our work, not normally found in the construction of garden arbors are: mortise and tenon joints, splined joints, channel dadoes and dowel pins. These methods allow for positive and secure registration of subparts into a strong and unified structure.

Our lattice fits into a grooved frame which is secured into a channeled groove on a 4" x 4" post. If the wood shrinks for any reason, (which over time exterior wood can do), the seam will not open up or be seen. This system also allows for easy reassembly of the arbor.

The arches are assembled with three very strong three inch dowel pins, in every joint, using 100% waterproof glue.

Our system of utilizing sturdy rust proof aluminum pipes, as a method for securing the arbor to the ground, will insure a long lasting installation. The aluminum pipes are completely hidden and fit into channels within the arbor posts.

If you have any questions about our product, please feel free to contact us.



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THE ENGLISH ARBOR

Reminiscent of the stately arbors found in the English countryside, the English Arbor can be used with or without the Chippendale Gate and the English Extensions, or with any of our other gate and extension styles as referenced on pages 20 and 21.

This piece incorporates a double-beamed pergola style top highlighted by an elliptical arch. This substantial arbor utilizes solid 4" x 4" posts and balustered side panels employing 1" x 1" stock.

Constructed of clear, kiln dried western red cedar and stainless steel fastenings.

The opening for this arbor may be altered to any size up to 6'.

HEIGHT	WIDTH OF OPENING	DEPTH
7' 6"	4' 2"	2' 8"
OVERALL WIDTH, WITH EXTENSIONS		
9' 5"		



THE WESTMINSTER ARBOR

A combination of historical architectural details come together beautifully in this well conceived piece. Whether your home is of a traditional classic design or has tudor, gothic or French country detailing, this arbor would be a perfect accent.

The arbor is shown here with our Privacy Gate Five and the Board and Baluster Extensions, but may be used in combination with any of our other gate and extension styles as referenced on pages 20 and 21.

The lower side panels consist of substantial 1 1/2" x 1 1/2" lattice in a traditional diamond pattern.

Constructed of clear, kiln dried western red cedar and stainless steel fastenings.

The opening for this arbor may be altered to any size up to 6'.

HEIGHT	WIDTH OF OPENING	DEPTH
8'	4' 2"	36"
	OVERALL WIDTH, WITH EXTENSIONS	
	8' 10"	





THE NEOCLASSICAL ARBOR

A modern interpretation of classical architecture lends a timeless appeal to this arbor. The peaked top with a keystone pediment and the side panels with forms reminiscent of columns, evoke these classical references.

The substantial side panels employ our partial half-lap style of lattice incorporated into three distinct panels within each side.

Available with or without the Curved Top Extensions and the Garden Gate, as shown here, or with any of our other gate and extension styles as outlined on pages 20 and 21.

Constructed of clear, kiln dried western red cedar, mahogany lattice and stainless steel fastenings.

The opening for this arbor may be altered to any size up to a 5' width.

HEIGHT	WIDTH OF OPENING	DEPTH
8' 3"	4' 2"	2' 11"
OVERALL WIDTH, WITH EXTENSIONS		
8' 10"		





THE LENOX ARBOR

This pergola type arbor, with double rafters and graceful top arches, is a perfect complement to our Moon Gate. The combination of several strong design details makes this arbor a striking choice for your entryway.

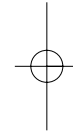
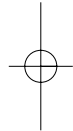
This structure is available with either full lattice side panels or with open-framed upper side panels and a latticed lower section.

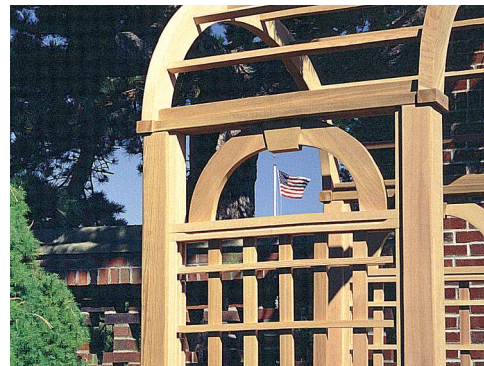
Shown here with the Moon Gate and the Curved Top Extensions, this arbor can be used with any of our gate and extension styles as referenced on pages 20 and 21.

Constructed of clear, kiln dried western red cedar, mahogany lattice and stainless steel fastenings.

The opening for this arbor may be altered to any size up to a 5' width.

HEIGHT	WIDTH OF OPENING	DEPTH
8' 1"	4' 2"	34"
OVERALL WIDTH, WITH EXTENSIONS		
8' 10"		





THE WILLIAMSBURG ARBOR

Revisiting our American architectural traditions, this stately arbor is enhanced by keystone, arched side panels. The side panels in this arbor are constructed of a triple-layer lattice. The vertical 1 1/2" pieces are sandwiched by 3/4" wide horizontals, creating an interesting pattern.

Available with or without the Williamsburg Extensions and the Williamsburg Moon Gate, as shown here, or with any of our other gate and extension styles as referenced on pages 20 and 21. The lattice opening for the Williamsburg Moon Gate is 3" x 6".

The arbor is also available with a Double Williamsburg Moon Gate when the opening is increased to a 5' width. See the Rockport Double Moon Gate for a reference.

With 4" x 4" posts and 36" deep sides our Williamsburg Arbor remains a perennial favorite.

Constructed of clear, kiln dried western red cedar, mahogany lattice and stainless steel fastenings.

The opening for this arbor may be customized to a 6' width.

HEIGHT	WIDTH OF OPENING	DEPTH
8' 2"	4' 2"	3'
OVERALL WIDTH, WITH EXTENSIONS		
9' 3"		



THE MONTEREY ARBOR

Uncompromised detailing is apparent throughout this stunning arbor. The peaked, portico-style top and side panels of patterned lattice create a strong American Mission style statement.

The size of the components, density of the lattice and overall simplicity of design contribute to the Monterey Arbor's aesthetic appeal.

While derived from the Mission Style, this arbor is a perfect accent for many modern homes, from the ranch style to the contemporary.

Available with the Monterey Arbor Gate and the Monterey Extensions as shown, or with any of our other gate and extension styles as outlined on pages 20 and 21.

Constructed of clear, kiln dried western red cedar, mahogany lattice and stainless steel fastenings.

The opening for this arbor may be customized to a 5' width.

HEIGHT	WIDTH OF OPENING	DEPTH
8' 4"	4' 2"	2' 11"
	OVERALL WIDTH, WITH EXTENSIONS	
	9' 11"	





THE GARDEN ARBOR

A graceful curve in the top arch, which is echoed in the side panels, combine to make this a particularly beautiful structure. With substantial 4" x 4" posts, this unit is an excellent example of a traditionally detailed arbor.

Available with or without the Curved Top Extensions and the Garden Gate, as shown here, or with any of our other gate and extension styles as referenced on pages 20 and 21.

Constructed of clear, kiln dried western red cedar, mahogany lattice and stainless steel fastenings.

The opening for this arbor may be customized to any size up to a 6' width.

HEIGHT	WIDTH OF OPENING	DEPTH
8'	4' 2"	2' 10"
OVERALL WIDTH, WITH EXTENSIONS		
8' 10"		



THE ROCKPORT ARBOR

The Rockport Arbor exhibits a beautifully rounded top ending in a distinct profile set upon classically detailed post caps.

This arbor, reminiscent of classical style architecture, is a full 36" deep and is constructed using 4" x 4" posts. The side panels are constructed of 3/4" x 1" mahogany utilizing our partial half-lap style lattice in an attractive plaid pattern.

Available with or without the Curved Top Extensions and the Moon Gate, as shown here, or with any of our other gate and extension styles as referenced on pages 20 and 21. The lattice opening for the Moon Gate is 4 1/4" x 6".

Constructed of clear, kiln dried western red cedar, mahogany lattice and stainless steel fastenings.

The opening for this arbor may be customized to any size up to a 5' width. A Double Moon Gate, shown below to the right, may be used with the 5' arbor.

HEIGHT	WIDTH OF OPENING	DEPTH
8'	4' 2"	3'
OVERALL WIDTH, WITH EXTENSIONS		
8' 10" (WITH SINGLE GATE)		



THE CHESAPEAKE ARBOR

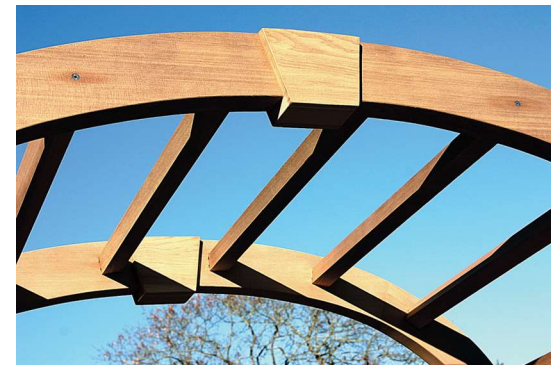
Offering a unique twist to the traditional lattice structure, a vine-like pattern is created in the side panels of this lovely arbor. The opposing curved lattice pieces, along with a keystone in the top arch, help establish an Art Deco style.

Available with or without the Chesapeake Gate and the Chesapeake Extensions, as shown here, or with any of our other gate and extension styles as referenced on pages 20 and 21.

Constructed of clear, kiln dried western red cedar, mahogany lattice and stainless steel fastenings.

The opening for this arbor may be customized to any size up to a 5' width.

HEIGHT	WIDTH OF OPENING	DEPTH
7' 11"	4' 2"	2' 6"
	OVERALL WIDTH, WITH EXTENSIONS	
	9'	



THE NEW COTTAGE ARBOR

This design is a combination of architectural styles carefully brought together to create a striking, yet traditional arbor, distinguished by a unique portico "window."

The arbor is complemented nicely by the Chippendale Gate and the English Arbor Extensions, as shown on page 4.

Constructed of clear, kiln dried western red cedar, 4" x 4" posts, 1" x 1" cedar lattice and stainless steel fastenings.

The opening for this arbor may be customized to any size up to a 5' width.



HEIGHT
8' 2"

WIDTH OF OPENING
4' 2"

DEPTH
2' 8"

OVERALL WIDTH, WITH EXTENSIONS
9' 5"

THE CRAFTSMAN ARBOR

Drawing its design references from The American Arts and Crafts movement, this arbor boasts clean lines and a sturdy structure. The peaked canopy, with deep overhangs, is turned ninety degrees from a standard orientation, accenting the rafters as in the traditional Craftsman style. Various styles of gates and extensions can be used with this arbor.

Constructed of clear, kiln dried western red cedar and stainless steel fastenings. Substantial 1 1/2" x 1 1/2" stock is used for the lattice with full lap joints.

The opening for this arbor may be customized to any size up to a 5' width.



HEIGHT
8' 9"

WIDTH OF OPENING
4' 2"

DEPTH OF SIDE
2' 10"

DEPTH OF TOP
6'

WIDTH OF TOP
6' 4"

OVERALL WIDTH, WITH EXTENSIONS
12' 9"





THE STANDARD ARBOR

A smaller version of our Classic Arbor, the Standard Arbor is perfectly suited for a cottage style house or garden.

Available with the Standard Arbor Moon Gate and the Short Straight Top Extensions as shown here, or with our Curved Top Extensions as shown with the Classic Arbor.

Constructed of clear, kiln dried western red cedar, mahogany lattice and stainless steel fastenings.

The opening for this arbor may be customized to either 3' 6" or 4' 2".

HEIGHT	WIDTH OF OPENING
7' 6"	3' 1"
DEPTH	OVERALL WIDTH, WITH EXTENSIONS
1' 11"	7' 9"



THE CLASSIC ARBOR

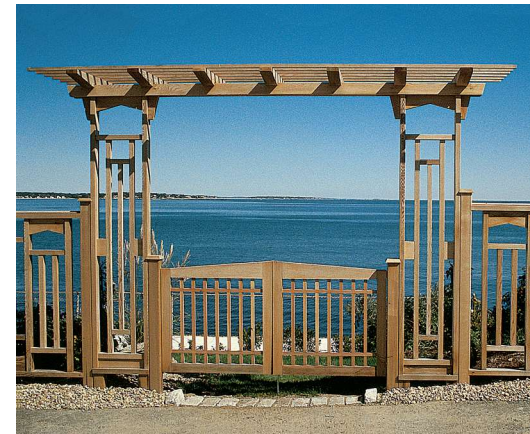
A traditional arbor, utilizing substantial 4" x 4" posts, this unit remains one of our most popular arbors. It is available with or without our Curved Top Extensions, as shown here, or with any of our gate and extension styles as referenced on pages 21 and 21.

Constructed of clear, kiln dried western red cedar, mahogany lattice and stainless steel fastenings.

The opening for this arbor may be customized to any size up to 6'.

HEIGHT	WIDTH OF OPENING
8'	4' 2"
DEPTH	OVERALL WIDTH, WITH EXTENSIONS
2' 5"	8' 10"





THE SACRAMENTO ARBOR

Contemporary lines and a nod toward the American Mission style, combine to make this a truly versatile arbor, at home with many architectural styles.

This piece can be used with any of our gate styles and with our Board and Baluster extensions as shown on pages 20 and 21.

Constructed of clear, kiln dried western red cedar, 4" x 4" posts, triple-layer lattice side panels and stainless steel fastenings.

The opening for this arbor may be customized to greater widths.

HEIGHT 7' 9" WIDTH OF OPENING 4' 2"

DEPTH 2' 7"

THE OAK PARK ARBOR

Named after the Chicago suburb where Frank Lloyd Wright practiced, this Mission style arbor creates a very dynamic entrance. This substantial unit can easily abut any style fence.

The Oak Park Arbor, to the left, has been customized to a greater width and is shown with a Double Oak Park Gate.

Constructed of clear, kiln dried western red cedar and stainless steel fastenings.

HEIGHT 8' WIDTH OF OPENING 3' 6"

DEPTH 3' OVERALL WIDTH OF TOP 9'



THE CAMBRIDGE AND THE SALEM ARCH

With formal detailing, incorporating large 5 1/2" x 5 1/2" posts, these elegant designs can accommodate lattice side extensions and a gate.

The Cambridge Arch is crowned by a round top, as pictured to the left and right, while the Salem Arch is delineated with a peaked, keystone top, as pictured below.

Available with both structures are the Tall, Straight Top Extensions as pictured below with the Cambridge Arch or the Curved Top Extensions as pictured below with the Salem Arch.

Either arch is available with any of our gate styles or other extension styles as referenced on pages 20 and 21.

Constructed of clear, kiln dried western red cedar and stainless steel fastenings.

The opening for the Cambridge Arch may be altered to any size up to 6', the Salem Arch up to a 5' opening.



HEIGHT	WIDTH OF OPENING
8' 4" (CAMBRIDGE)	4'
8' (SALEM)	
DEPTH	OVERALL WIDTH, WITH EXTENSIONS
7" (CAMBRIDGE)	8' 10"
6" (SALEM)	





THE ESSEX ARCH

An alternative to our Cambridge Arch, this unit incorporates two arches, creating a 26" deep bonnet atop large 5 1/2" x 5 1/2" posts. Decorative brackets and attention to detail combine to make a strong statement in both form and function.

This piece can accommodate any of our extensions placed to either side of the arch, or any of our gate styles as referenced on pages 20 and 21.

Constructed of clear, kiln dried western red cedar and stainless steel fastenings.

The opening for this arch may be customized to any size up to a 6' width.

HEIGHT	WIDTH OF OPENING	DEPTH
8' 4"	4'	2' 2"
OVERALL WIDTH, WITH EXTENSIONS		
8' 10"		

THE ST. LOUIS ARBOR

This intriguing design infuses American Mission elements with an Asian influence, as evidenced in the pattern within the side panels. The result: an outstanding arbor at home in any environment from east to west.

This arbor is also available with any of our gate and extension styles as referenced on pages 20 and 21.

Constructed of clear, kiln dried western red cedar, 4" x 4" posts, mahogany lattice and stainless steel fastenings.

The opening for this arbor may be customized to a 5' width.

HEIGHT	WIDTH OF OPENING
8' 5"	4' 2"
DEPTH	2' 8"





THE TORI GATE

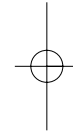
Our interpretation of the Japanese Tori Gate creates an elegantly simple accent for any garden or entryway.

This traditional structure is generously proportioned with large sloped post caps and uniquely tapered 5 1/2" x 5 1/2" square posts. The gently curved double rafter is supported by substantial 4" x 8" beams.

Shown here with our Privacy Gate One, this piece would also work very well with any of our other gate and extension styles as shown on pages 20 and 21.

Constructed of clear, kiln dried western red cedar and stainless steel fastenings.

HEIGHT	WIDTH OF OPENING	DEPTH
8' 1"	4'	22"



THE EMERSON ARCH

This pergola type arch, with double main beams and large rafters, commands a distinctive yet graceful presence, allowing this structure a place in either a traditional or a contemporary environment.

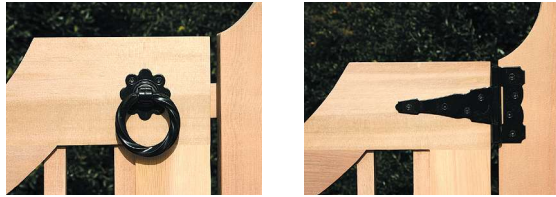
With 4" x 4" posts, 2" x 8" rafters and double 2" x 6" support beams this strong unit creates a perfect space for the training of any number of climbing vines. Detailed side panels, with soft arches, echo the arch within the main rafters.

Shown here with the Malibu Gate, this piece would also work very well with any of our other gate and extension styles as shown on pages 20 and 21.

Constructed of clear, kiln dried western red cedar and stainless steel fastenings.

HEIGHT	WIDTH OF OPENING	DEPTH
8' 1"	3' 6"	18"
	WIDTH OF SIDE PANELS	
	14"	





GATE LATCHES AND HINGES

OUR GATE LATCH IS IMPORTED FROM ENGLAND. IT IS A VERY HIGH QUALITY PIECE OF HARDWARE THAT IS GALVANIZED AND BLACK POWDER COATED. OUR HINGES ARE ALSO BLACK POWDER COATED AND HAVE A NYLON WASHER TO ELIMINATE WEAR AND RUSTING.



The Garden Gate
with Garden Arbor and Curved Top Extensions

HEIGHT (FROM GROUND)
4'

WIDTH
3' 1"



The Chippendale Gate
with English Arbor and English Extensions

HEIGHT (FROM GROUND)
3' 10"

WIDTH
3' 1"



The Monterey Gate
with Monterey Arbor and Monterey Extensions

HEIGHT (FROM GROUND)
4'

WIDTH
3' 5"



The Double Moon Gate
with Rockport Arbor (5' opening) and Extensions

HEIGHT (FROM GROUND)
5' 5" HIGH PT., 3' 8" LOW PT.

WIDTH
5'



The Moon Gate
with Rockport Arbor and Curved Top Extensions

HEIGHT (FROM GROUND)
4' 6" HIGH PT., 3' 10" LOW PT.

WIDTH
3' 5"



The Standard Arbor Moon Gate
with Standard Arbor and Extensions

HEIGHT (FROM GROUND)
4' 3" HIGH PT., 3' 9" LOW PT.

WIDTH
3'



The Chesapeake Gate
with Chesapeake Arbor and Chesapeake Extensions

HEIGHT (FROM GROUND)
3' 8"

WIDTH
3'



The Williamsburg Moon Gate
with Williamsburg Arbor and Extensions

HEIGHT (FROM GROUND)
4' 6" HIGH PT., 3' 10" LOW PT.

WIDTH
3' 5"



PRIVACY GATE ONE

HEIGHT (FROM GROUND) 5' 5"
 WIDTH OF OPENING 3' 5"



PRIVACY GATE TWO

HEIGHT (FROM GROUND) 5' 9"
 WIDTH OF OPENING 3' 5"



PRIVACY GATE THREE

HEIGHT (FROM GROUND) 5' 7"
 WIDTH OF OPENING 3' 5"



PRIVACY GATE FOUR

HEIGHT (FROM GROUND) 4' 11"
 WIDTH OF OPENING 3' 5"

GATES

ALL OF OUR GATES ARE CONSTRUCTED WITH THE FINEST GRADE OF CLEAR, VERTICAL GRAIN, KILN DRIED WESTERN RED CEDAR AND ARE CONSTRUCTED USING A FULL 1 3/4" STOCK. WE USE THIS SIZE AND TYPE OF MATERIAL TO ENSURE THAT THE GATES WILL NOT WARP OR TWIST. THE JOINTS ARE A GLUED, FULL 1/2 LAP TO FURTHER SUPPORT THE INTEGRITY AND DURABILITY OF THE GATE.

ALL OF OUR GATE DESIGNS ARE INTERCHANGEABLE WITH ANY OF OUR ARBOR STYLES. AS WITH ALL OF OUR PRODUCTS, WE CAN CUSTOMIZE INDIVIDUAL PIECES TO MEET A PARTICULAR REQUIREMENT, WHEN NECESSARY. A CONVENIENT COMPARISON OF OUR GATE STYLES IS SHOWN ON THESE TWO PAGES.

PRIVACY GATES

WE HAVE CREATED SEVERAL GATE DESIGNS OFFERING ADDITIONAL LEVELS OF PRIVACY. THESE PRIVACY GATES ARE GENERALLY TALLER THAN OUR TRADITIONAL GATES AND ALSO OFFER A MORE SOLID ENCLOSURE. ALL OF THE PRIVACY GATES ARE SUITABLE WITH ANY OF OUR ARBOR STYLES AND EXTENSIONS. THEY ARE SHOWN HERE WITH THE CAMBRIDGE ARCH AND OUR BOARD AND BALUSTER EXTENSIONS.



PRIVACY GATE FIVE

HEIGHT (FROM GROUND) 4' 6" HIGHPOINT, 3' 10" LOWPOINT
 WIDTH OF OPENING 3' 5"

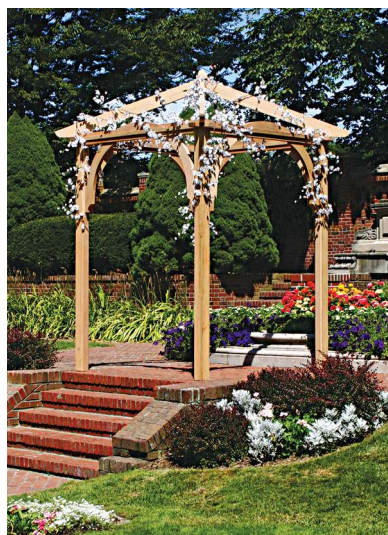
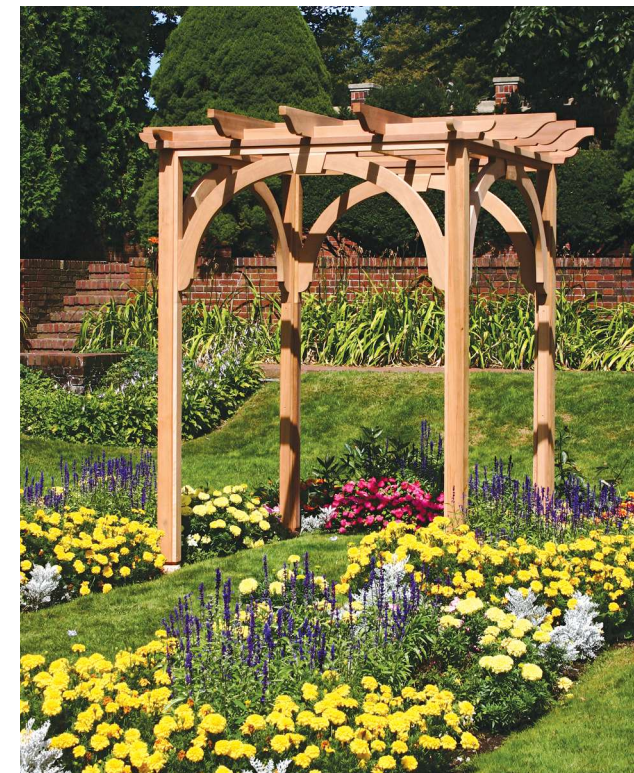
GARDEN FOCAL POINTS

WHEN A SMALLER PERGOLA IS DESIRED, THE MONTSERRAT ARBOR OR THE TAFT ARBOR CAN PROVIDE JUST THE RIGHT AMOUNT OF STRUCTURAL DEFINITION.

IN A GARDEN, ON A PATIO OR ROOFTOP TERRACE, THESE SMALL PERGOLA-STYLE ARBORS CAN BE USED TO CREATE AN INTIMATE SETTING, FRAME AN ENTRANCE OR ACCENT AN EXPANSIVE SPACE.

THE MONTSERRAT ARBOR, THE TAFT ARBOR AND THE PARRAMATTA ARBOR (VIEWED ON OUR WEBSITE) CAN ALSO BECOME THE PERFECT WEDDING ARBOR, PROVIDING AN IDEAL FOCAL POINT FOR THE BRIDE AND GROOM.

OUR SPECIAL BRACKETING SYSTEM OF ARCHES CREATES A VERY STRONG STRUCTURE THAT CAN BE ERECTED QUICKLY AND REMAIN STABLE IN ANY SPACE FROM AN OPEN FIELD OR BEACH TO A HOTEL BALLROOM, WHILE BEING EASY TO TRANSPORT AND INSTALL FOR PERMANENT USE AFTER THE EVENT.



THE MONTSERRAT ARBOR

The Montserrat is a unique combination of a peaked top with eight simple curved brackets. This understated, yet elegant structure, is a striking piece with or without vines and flowers.

Constructed of western red cedar and stainless steel fastenings.

HEIGHT	WIDTH OF OPENING
9'	5'
INTERIOR DEPTH	
5'	
WIDTH AND DEPTH (INCLUDING POSTS)	
5' 9" X 5' 9"	



THE TAFT ARBOR

The Taft is a traditional flat top pergola with formal style rafter tails and keystone arches.

Constructed of western red cedar and stainless steel fastenings.

HEIGHT	WIDTH OF OPENING
9'	5'
INTERIOR DEPTH	
5'	
WIDTH AND DEPTH (INCLUDING POSTS)	
5' 9" X 5' 9"	



THE MOON ARCH

Create a striking entryway or frame a view with this magnificent piece. Perfect for delineating distinctive areas of the yard or garden, our versatile Moon Arch is one of a kind.

The arch is a substantial double-laminated construction of 5" x 3 1/2" clear, vertical grain, cedar. The lattice consists of 4" x 4" openings and is constructed of 1 1/4" x 1 1/4" cedar.

HEIGHT CLEARANCE

6' 4"

DEPTH

4"

WIDTH, INCLUDING EXTENSIONS

9'



THE MISSION MODULAR PERGOLA

Our Mission Modular Pergola is 8' 10" x 10' on center, post to post, and is the quintessential Craftsman style pergola offering understated sophistication.

The pergola consists of 7" to 5" tapered posts with plinth bases and tapered and rounded capital inserts.

The main beams are 3" x 7" and are connected to each other by a detailed assembly, all supported by eight brackets.

The rafters are a sturdy 1 1/2" x 5" piece notched over the main beams with added rafter tail profiles.

Other Modular Pergolas, such as the Arched Modular and the Trellised Modular are available. See our website for further details on these structures.

As with all of the modular pergolas, the Mission Modular Pergola is available in larger sizes by adding additional posts.

OVERALL HEIGHT

8' 7"

DEPTH

8' 10"

WIDTH

10'





THE WOVEN

A stunning wall trellis, with or without vines, this woven modular creates a beautifully textured surface.

The Woven Trellis can be used with any number of additional 1/2 unit sections to add greater height.

Clear, kiln dried western red cedar and stainless steel fastenings.

HEIGHT 7' 6"
WIDTH 2' 1"
HEIGHT OF 1/2 UNIT 3' 9"



THE MODERN

Stylish and contemporary, the Modern Trellis can be used vertically or horizontally as a single piece or in a series.

The Modern Trellis can be used with any number of additional 1/2 unit sections to add greater height.

Clear, kiln dried western red cedar, mahogany and stainless steel fastenings.

HEIGHT 7' 5"
WIDTH 17"
HEIGHT OF 1/2 UNIT 3' 8"



FOUR INCH GRID

This framed mahogany trellis utilizes a four inch lattice opening employing heavy 1 1/4" x 3/4" stock and stainless steel fastenings.

The trellis provides an excellent modular solution when used in multiples.

The Four Inch Grid can be used with any number of additional 1/2 unit sections to add greater height.

HEIGHT 5' 10"
WIDTH 2'
HEIGHT OF 1/2 UNIT 2' 11"



DOUBLE DIAMOND

This well-proportioned classic wall trellis employs a 9/16" x 3/4" sturdy lattice.

The Double Diamond can be used with any number of additional 1/2 unit sections to add greater height.

Constructed of clear, kiln dried western red cedar, mahogany and stainless steel fastenings.

HEIGHT 6'
WIDTH 1' 10"
HEIGHT OF 1/2 UNIT 3'



THE RIBBON

This whimsical modular trellis is well suited for either a vertical or horizontal positioning in a series.

The Ribbon Trellis can be used with any number of additional 1/2 unit sections to add greater height.

Clear, kiln dried western red cedar, mahogany and stainless steel fastenings.

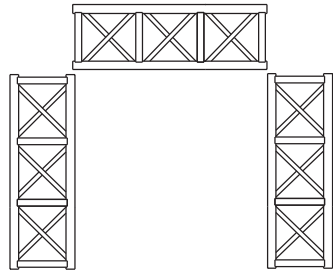
HEIGHT 6' 9"
WIDTH 2'
HEIGHT OF 1/2 UNIT 3' 5"

MODULAR TRELLISES

WE OFFER TRELLAGE IN A VARIETY OF DIFFERENT STYLES TO ACCENT DOORWAYS, WINDOWS AND WALLS.

THE TRELLISES ON THIS PAGE ARE PARTICULARLY WELL SUITED FOR MODULAR APPLICATION. THEY CAN BE USED AS A SINGLE PANEL OR IN MULTIPLES. EACH UNIT IS COMPRISED OF TWO SEPARATE PIECES THAT COME TOGETHER IN THE CENTER TO CREATE ONE COMPLETE TRELLIS.

ADDITIONAL SECTIONS MAY BE ADDED FOR GREATER HEIGHT.



ACCENT ONE

This simple diamond trellis is available in two, three or four section pieces and is an excellent unit for framing windows and doorways.

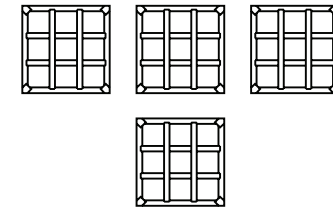
WIDTH 15" HEIGHT (TWO SQUARES) 30"
 HEIGHT (THREE SQUARES) 45"
 HEIGHT (FOUR SQUARES) 59"

TRELLIS ACCENTS

THESE FIVE STYLES OF MODULAR TRELLISES CAN BE USED IN A WIDE VARIETY OF COMBINATIONS.

WHETHER TO ACCENT A DOORWAY OR TO FRAME A WINDOW, THESE TRELLISES ARE FUN AND EASILY ARRANGED TO CREATE INTERESTING PATTERNS AND DECORATE A WALL SURFACE.

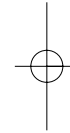
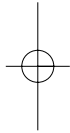
THESE UNITS ARE CONSTRUCTED OF WESTERN RED CEDAR AND MAHOGANY.



ACCENT TWO

This trellis modular, used solely or in a series, creates any number of striking patterns.

HEIGHT AND WIDTH (PER SQUARE) 24" x 24"



ACCENT THREE

Lending itself to either horizontal or vertical orientation, this contemporary louvered square casts interesting shadow patterns. Shown here in a series of three.

HEIGHT AND WIDTH (PER SQUARE) 24" x 24"

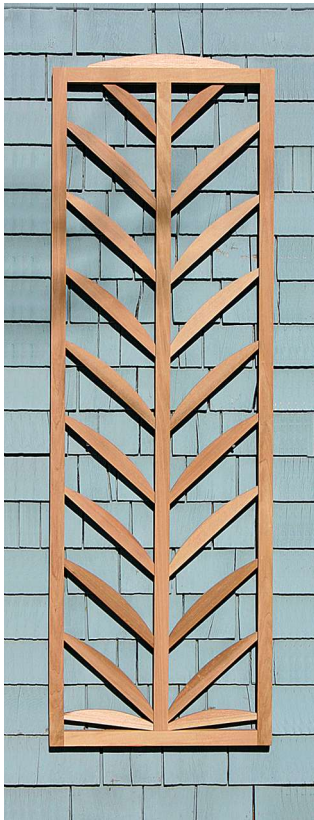


ACCENT FOUR AND FIVE

A series of vertical and horizontal lines creates a dynamic pattern in these trellises. The two variations can be used singly or together in any number of combinations. Accent Four is shown to the left and Accent Five is to the right.

HEIGHT AND WIDTH (PER MODULAR) 41" x 22"



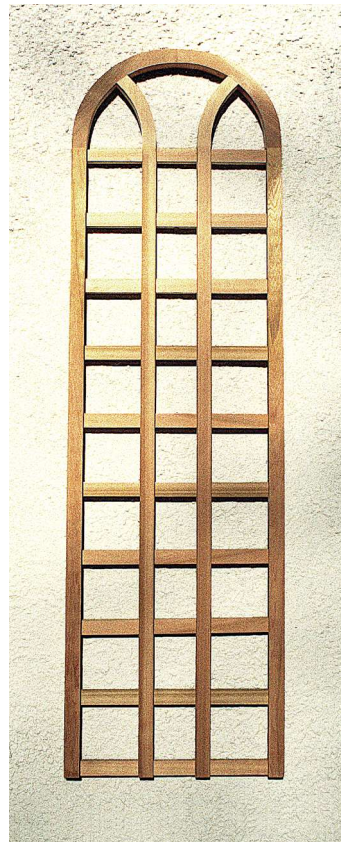


THE PALMATE

Used singly or in a series, this trellis, evoking an organic branching pattern, creates an intriguing motif.

Clear, kiln dried western red cedar and stainless steel fastenings.

HEIGHT 6' 4" WIDTH 2' 1"



THE ST. JOHN

Elegance and simplicity are achieved in the graceful lines of this trellis.

Clear, kiln dried western red cedar and stainless steel fastenings.

HEIGHT 6' 6" WIDTH 1' 10"

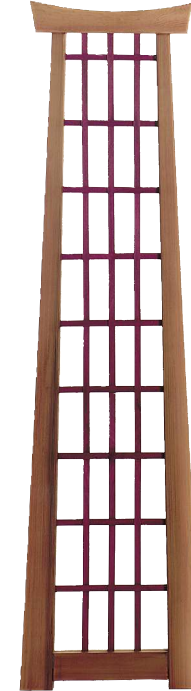


THE CRAFTSMAN

The simplicity of this trellis lends itself beautifully to any environment. Its strong, geometric design can be hung solely, or in a series, to create a dynamic visual pattern.

Clear, kiln dried western red cedar, mahogany lattice and stainless steel fastenings.

HEIGHT 5' 9" WIDTH 2'

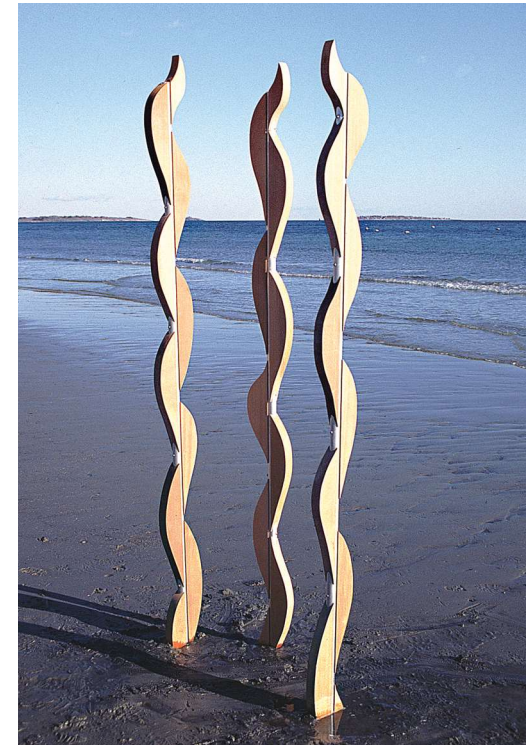


THE ECLECTIC

This elegant trellis has a distinctive Asian feel with its scooped top and long rectangular grid openings.

Clear, kiln dried western red cedar, a woven lattice of mahogany and stainless steel fastenings.

HEIGHT 6' 1" WIDTH 1' 7"



THE POLE TRELLIS

Bring a sense of whimsy to the garden with these lively pole trellises. Placed solo, or in groups as shown, these unique sculptural trellises are perfect for various climbers from clematis to beans.

Made of clear, kiln dried western red cedar, with a heavy aluminum pole for its structural element.

HEIGHT 8' OVERALL WIDTH 9"

THE GARDEN TRELLIS

While it can be mounted to the side of a house, this trellis is perfectly suited as a stand-alone support for climbers within the garden and offers an excellent solution for creating a "green screen."

Multiple units can be combined, with a common post in between, to create longer lengths of treillage. See line drawing below.

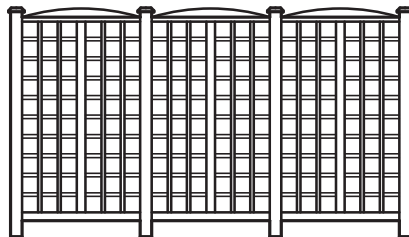
Shown here to the right is the Garden Trellis with the Garden Trellis Extensions, applied at a slight angle.

Strong 4" x 4" posts, supplied with aluminum pipes for installation, enable a secure footing in the ground.

Constructed of sturdy lattice 1" wide x 3/4" thick. The lattice opening is 6" square.

Constructed of clear, kiln dried western red cedar, mahogany lattice and stainless steel fastenings.

HEIGHT 7' 1"
WIDTH 4' 2"



THE NEW ENGLAND TRELLIS

Beautifully detailed, this well proportioned piece can be mounted against the side of a house or used freestanding in the garden to create a "trellis wall."

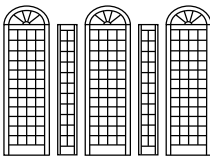
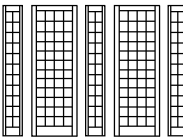
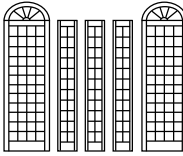
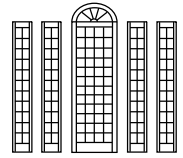
Constructed of sturdy lattice 1" wide x 3/4" thick, the lattice opening is 6" square.

Special cedar stakes are available for installing the trellis, if it is to be used freestanding.

A simple straight top can be substituted for the arched top of the New England Trellis, if desired.

Constructed of clear, kiln dried western red cedar, mahogany lattice and stainless steel fastenings.

HEIGHT 7' 6"
OVERALL WIDTH 6' 8"
WIDTH OF LATTICE PANEL 5' 2"
DEPTH OF SUPPORTING PIECES (TOP) 7"



THE PALLADIAN

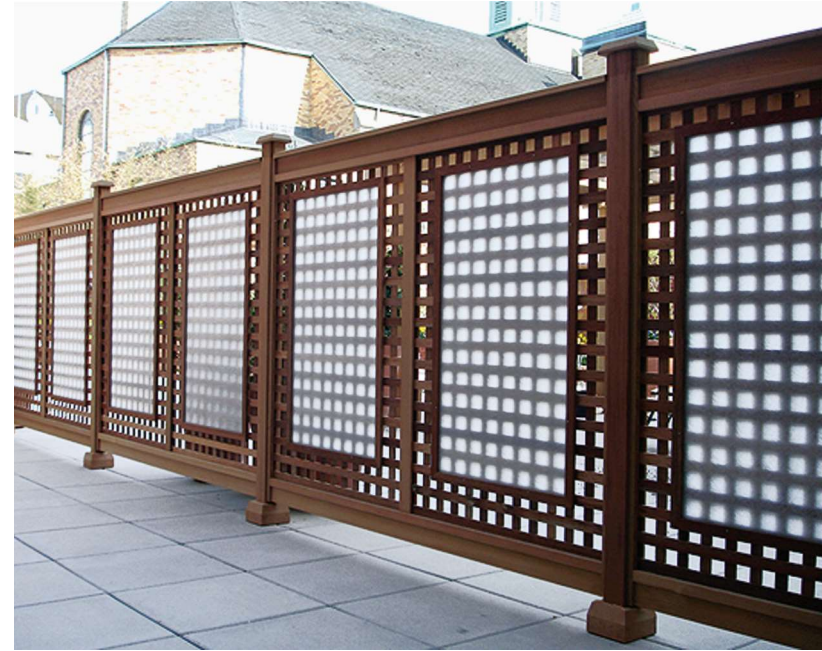
Emulating the beautifully proportioned windows popular in traditional buildings, this large, three-piece trellis incorporates a strong 3/4" x 1" lattice and copper mullions. The lattice opening is 5 1/2" square.

One of our most popular solutions for classical wall enhancement, it is possible to alter the configuration of the units to suit a variety of space requirements. See the line drawings for suggestions.

The Palladian Center Panel is also available without the arched top, if desired.

Constructed of copper; clear, kiln dried western red cedar; mahogany lattice and stainless steel fastenings.

HEIGHT	WIDTH (THREE PIECES)
8'	6'
HEIGHT	WIDTH (CENTER PANEL ONLY)
8'	2' 9"
HEIGHT	WIDTH (SIDE PANEL ONLY)
7'	1' 6"



PRIVACY LATTICE FENCING

This privacy lattice fence was created for a condominium complex. In addition to providing an attractive enclosure for the outdoor patio area, the fencing panels offer additional privacy for the ground floor units in the building.

An acrylic panel is framed and layered over the lattice panel. This creates a beautiful effect, maximizing privacy while allowing light to pass through.

These acrylic panels were produced with an interesting rice paper-like pattern and texture, however they are available in a number of different patterns, colors and finishes.

PERGOLAS AND CUSTOM PROJECTS

HOMEOWNERS

All of our pergolas are customized to meet each client's individual needs. Most pergola styles can be constructed to satisfy any size requirement. The following pages contain a few examples of our pergolas and custom projects, while our website depicts many more examples of our work. Choose from one of our existing designs or let us design a pergola to suit your specific needs. Each pergola is quoted per individual specifications. Our design team is easy to contact and will assist you by answering any questions you may have.

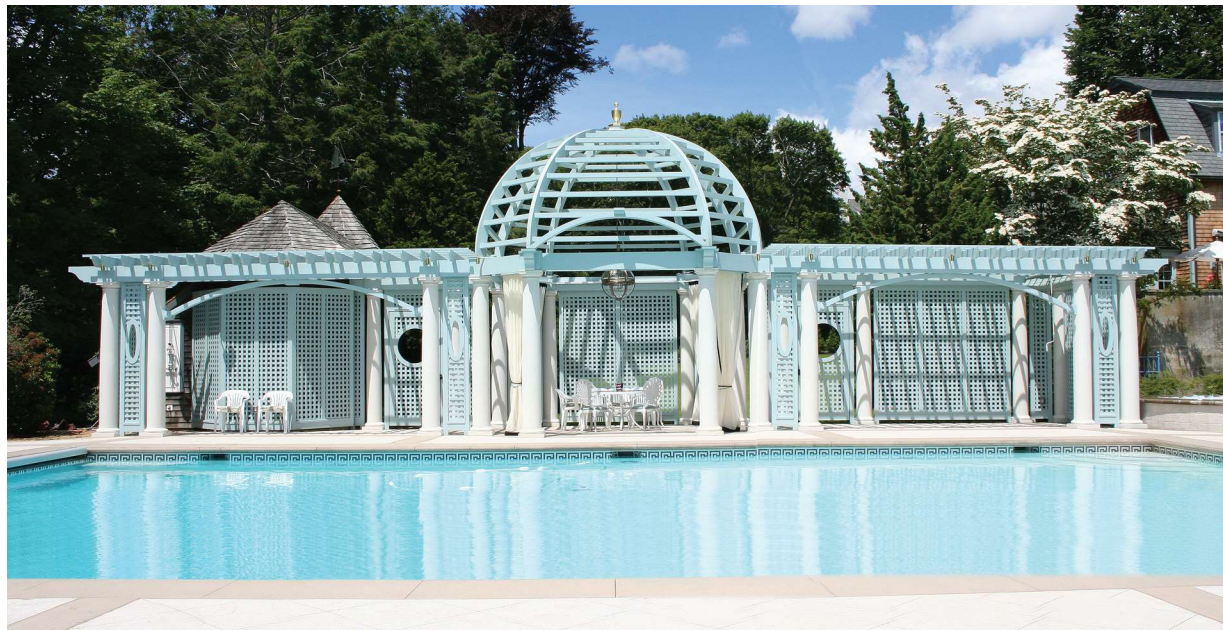
We look forward to working with you to satisfy your requirements for a custom garden structure.

ARCHITECTS AND PROFESSIONAL DESIGNERS

We are often consulted on projects prior to the bidding process to help resolve the engineering required for a large variety of pergola and trellage applications. Whether it's to determine an initial square footage price or to design a base bracket capable of withstanding extreme wind loads or seismic conditions, we are interested in working with you to ensure a successful outcome for your commercial and residential projects.



This contemporary pergola creates a wonderful focal point and meeting place in a suburban complex of townhouses. Stainless steel rods and acorn screw caps were used to assemble the structure, resulting in very clean design accents. An interesting design for the base bracket using 1/2" stainless steel, was incorporated to create stability in this very tall 12' structure. The heavy lattice type frame that divides the tapered post assemblies also aides in the overall structural stability.



This very large and stunning structure, 62' long x 12' deep, consists of a 20' high octagonal dome flanked by two pergola wings enclosed by lattice. Various site constraints required creative solutions and the final result was a group effort between client, architect and contractors. Lighting, shade screens and insect netting were incorporated to make a beautiful structure that functions perfectly for outdoor entertaining.

YOUR PERGOLA QUOTE

If after reviewing our catalog and website you have been able to determine a style that suits your needs, call us with your size requirements and the zip code for delivery. Visit our website at www.trellisstructures.com for additional images for classic columned pergolas, commercial pergolas and contemporary or traditional post and bracket pergolas. Also available: pergolas with shade cloth, pergolas with acrylic panel inserts, rooftop pergolas, outdoor kitchen pergolas, carport pergolas and many more. If you do not see a style that suites your location we can discuss an individualized solution to address your unique requirements.

Please call us at 888.285.4624 or email sales@trellisstructures.com with your ideas regarding a pergola structure for your home.

There are many variables that are taken into consideration when determining the final design such as: the style and scale of the house or other adjacent structures, the amount of shade or privacy needed, the surface to which the structure is to be attached and weather conditions it may be subject to. Several of these points are discussed in more complete detail on the following pages and on our website. Our design team will guide you through this process to insure that your pergola will function optimally for your needs.

Many customers will email digital images of their house and the area where the pergola will be installed. This is often very beneficial for discussions regarding site constraints and style choices, but not a requirement. We will be happy to discuss the particulars for your individual pergola and furnish you a quote.

We are proud of our successful design collaboration with our customers and look forward to creating a beautiful garden structure with you.



This client requested a pergola, stained white, that would provide shade and enable side curtains to hang along each side. A rod runs the entire perimeter and allows the side curtains to be moved unimpeded by supports. The white shade cloth overhead is attached using stainless steel clips and is put up in approximately five minutes. The arches, while aesthetically pleasing, are functional in stabilizing the structure. The arch and bracket are perfectly symmetrical about the post. We used 7 1/2" x 7 1/2" posts as the structure was quite large at 18' x 11 1/2' post to post.



Our clients created an attractive, circular patio and then decided an open-air room was needed to complete their project. We designed this hexagonal structure to accommodate a large ceiling fan that cooled the area, while keeping away insects. Special channels were made in the posts for wiring the fan and lights for evening dining. The cupola in the center accommodates the stem of the fan, while retaining a structural scale appropriate to the site.



This attractive pergola, a long, narrow structure, establishes a focal point for the landscape. Designed to provide privacy and a place for quiet reflection, this latticed pergola was the perfect solution for our client, whose concept we helped realize by working in conjunction with her contractor through three-dimensional computer models.



A unique pergola, this large structure uses a combination of louvers and T rafters, with shade cloth installed in the hottest months, to establish a cool area in a very warm back yard. The posts are 7 1/8" x 7 1/8" with a subtle corner bead. The plinth bases, which conceal substantial stainless steel brackets, are covered in copper flashing. Large curved brackets, 3 1/2" thick, add stability while lending softness to the geometry of the design.



Asked to create an outdoor pergola that would protect the client from rain and sun, we devised a system to incorporate attractive acrylic inserts. These panels are a very soft color with a subtle pattern. Pressed into grooves between the rafters, at a slight angle for drainage, there are no seams and no leaks. Peaked purlins above contribute to additional shade and allow for the growth of vines over the acrylic panels.



Incorporating many facets of a pergola into a unified, functional whole, this structure provides a strong visual accent to an entryway. Acrylic panels were placed in the first three bays to protect the entry from rain, while allowing light in, with shade cloth placed over the peaked portion of the structure for additional sun protection. Scale and proportion were carefully considered so as not to overpower the house.

THE DESIGN PROCESS

The following is a synopsis of the discussion we will have with you in order to determine the ideal structure for your individual setting.

Function: What function is the pergola to fulfill? How much shade will you require? Will you be hanging lights or a fan? Will you be growing vines on the structure?

Size: A structure that fits the space, accomplishes the function and is scaled appropriately to its surroundings.

Shade Requirements: Shade can be achieved in several ways: through the density of the top layers, by introducing a shade cloth or retractable canopy, by the employment of vines to eventually produce a living sun screen or a combination of the above. Orientation of the structure relative to the arc of the sun is discussed.

Foundation: On what type of surface will the pergola be installed? Virtually any surface can accommodate the installation of a pergola, from lawns to rooftops.

Aesthetics and Style: The design of your structure should complement your home by either accenting or functioning as a continuation of the home's architecture. The style options are numerous and choosing can be the most enjoyable part of the process. It is important that no matter what style or details are chosen, the scale of the project and proportion within the structure be appropriate. This is what makes the final design look "right."

Restrictions: It is important to ascertain whether restrictions will impact the design. Typically, these could be issues of height, i.e. are windows, doors or steps going to impact the design? Are there building codes that need to be considered if a pool is involved or the structure is attached to a house? Are there property line restrictions? In some states, for instance California and Florida, there are requirements for seismic and wind loads, respectively. We have many years of experience in helping to guide customers through these questions.

Engineering: A few technical issues need to be considered:

1. What are the optimal spans of main beams for the site? How many posts are required and how do they impact the visual sight lines?
2. What are the ground conditions that may impact the foundation size and depth? For example: pool aprons, decks, frost depth, etc.
3. What weather conditions are possible? Wind, snow loads, very wet ground or seismic issues?

The proper attention to detailing is paramount to a successful outcome. We are committed to working with you to ensure this success.



A simple, yet elegant design creates a sun-protected area for lounging at the Soho Grand Hotel in Manhattan. Large boxed posts were created to accommodate a special base attachment we designed for the required codes. Since this structure was to be freestanding, the stainless steel bases had to provide significant lateral support given the contemporary design criteria.



Overlooking the harbor in Plymouth, Massachusetts, this structure was designed to accommodate wisteria plants and to withstand the nor'easter winter storms. In response to this need, we created a special attachment mechanism that also meets the stringent Florida wind load requirements for hurricanes.



This pergola, in plan view, is a hexagon that has been partially “cut away” thereby creating a large open front, while providing a shaded seating area adjacent to the pool. The center section has five shade cloths that fit the triangular openings. Style, correct proportioning and attention to detail in craftsmanship and design make this a winning structure.



Designed for an early eighteenth century house, this simple pergola has an interesting shade solution. The shade cloth was evenly swagged below the main rafter/purlin layer and is carried by 4 x 4 supports. The upper layers of rafters and purlins are now available as vine support. The vine can co-exist with the shade cloth. Each post has a simple trellis to support the climbing vine.



This patio pergola was designed and scaled to go with a large suburban home. The posts are 10” x 10” with plinth bases and large substantial brackets in keeping with the overall proportions. Several architectural details from the house were incorporated in the pergola, creating an open-air extension of the home.



Outdoor living at its finest is achieved with this magnificent pergola. The pergola incorporates a removable ultraviolet screen as the upper layer for sun protection in this southern exposure. While 10% to 20% of the sunlight filters through, the covered area is significantly cooler because hot air is allowed to dissipate through the shade screen mesh fabric. Columns and cedar components are stained a dark brown to complement the home.

QUALITY OF MATERIAL

Western red cedar comes in many different grades that greatly affect the longevity and performance of an outdoor structure.

With a Trellis Structures product you are getting the highest grade of cedar available. We use only clear, A and Better, vertical grain, kiln dried western red cedar in our structures.

With lesser grades of cedar, or other species of wood, you will have certain imperfections, but with the high grade of cedar that we use, there will be no knots, there will be no lifting of grain or discoloration.

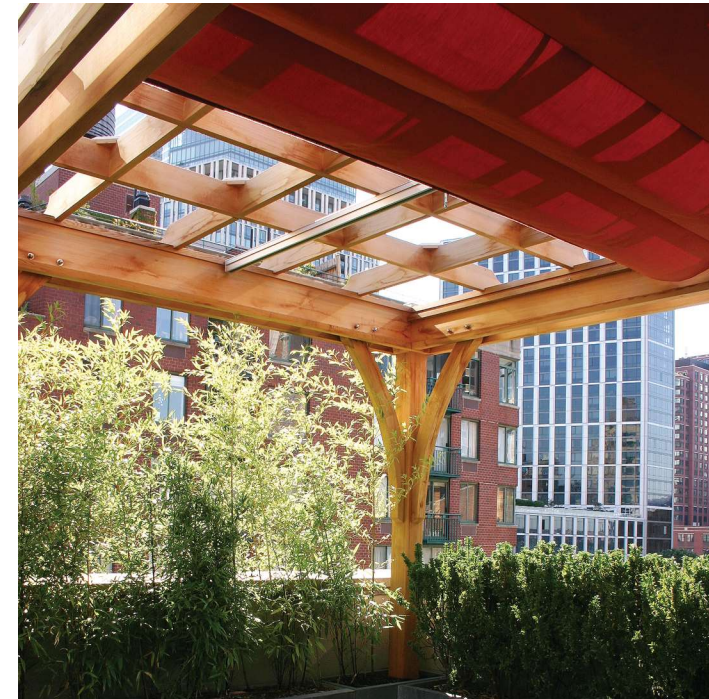
Kiln dried, vertical grain western red cedar is extremely stable, is resistant to warping and checking and has the lowest rate of shrinkage of any wood used for exterior structures.

Given the quality of the wood that we use, the lifetime of our structures can be thirty or forty years or longer. The tight grain in this grade of western red cedar is very resistant to insects and decay. Other grades or types of cedar will not have this extended life span.

Because of the high grade of cedar that we use, our structures are virtually maintenance free. Left untreated, the wood will weather to a lovely silvery gray. If you choose to grow vines on the structure, the silvery gray color of the cedar will blend beautifully with the vines.

The higher the quality of wood, the better it will look and the longer it will last. We've worked on projects where a pergola was added and placed next to a cedar structure that was over 80 years old. Please view the Details/Materials section of our website for more information on western red cedar or visit www.wrcla.org.

As with any recipe, success hinges on the material used and this directly affects the final outcome. There are a half dozen materials to create garden structures with: from cement and steel to vinyl and other man-made materials. Each material can have positive and negative aspects, however the most cost effective and environmentally friendly material is wood. In addition, the design possibilities with wood are infinitely greater than with man-made materials such as vinyl.



This rooftop pergola in Manhattan employed an interesting design solution in that the pergola is not attached in any way to the building. An extremely stable structure was erected incorporating a combination of planters, large curved brackets and a weighted post placed on an anti-skid rubber base. The upper perimeter beams were created as an architectural frieze that incorporates a pullout shading device. This pergola was designed specifically for delivery to the rooftop by bringing it up inside the building without the use of a boom truck.



Located over a large patio area to provide shade, this stunning pergola establishes a strong focal point and gathering area between a fountain on one end and a fireplace on the other. The overhead curve of the pergola reflects the large curved wall of the patio and accents the fireplace. Double rafters sandwich simple support brackets. The brackets have been mortised into the main beams and shaped to continue the curve of the rafters. The purlins are quite dense and alternate between wide and narrow, establishing rhythm and visual interest while providing significant shade.

THE ENVIRONMENTAL FACTOR

Western red cedar is a renewable resource, responsibly grown and harvested as a crop from managed forests, is recyclable and biodegradable.

Energy use: Energy saved in manufacturing processes with wood far exceeds that of other construction materials.

Pollution reduction: Cedar can be recycled and used in other ways after its initial life. Cedar is 100% biodegradable and is often used to feed and protect plants in the form of mulch. Our western red cedar comes from Canada's sustainable, managed forests. New manufacturing technology allows every part of the tree to be used so that nothing is wasted. Wood is the only major building material that is renewable – a reason why Canada's forest base is still abundant after 150 years of harvesting.

From the Western Red Cedar Lumber Association website: www.wrcla.org "Western red cedar is the ultimate green building material. It is responsibly and sustainably harvested in the publicly managed forests of British Columbia, Canada. The province has exceeded United Nations guidelines by setting aside more than 12% of its land base as parkland. Less than 1/3 of 1% of BC's cedar growing stock volume is harvested each year. For each tree harvested, three are replanted. The fact is, there are more forests in North America today than there were 100 years ago. These young forests are excellent carbon sinks. They also release oxygen back into the atmosphere contributing to a healthier environment."

"Western red combines form and function like no other wood species or man-made material. Do not get misled by claims of other species using "cedar" in their name. Only western red cedar has the unique, natural performance characteristics and exceptional beauty that bring warmth, character and longevity to homes and commercial buildings around the world."

All Western Red Cedar Lumber Association members are in the process or have achieved certification under one or more independent third party certification systems (CSA, SFI or FSC). Wood, and western red cedar specifically, has the least impact on the environment throughout its life cycle. Western red cedar requires significantly less energy to produce than other materials and unlike man-made alternatives, western red cedar is biodegradable.



With a post-to-post size of 18' x 36', this self-supporting structure, designed for a rooftop at an assisted living facility in New York, is quite dynamic. Restrictions regarding attachment to the building resulted in a contemporary style bracket solution that stabilized the entire structure. A modular grid system was incorporated to create an "outdoor room." Aluminum Parasoleil panels were installed over half of the grids to create shade while casting intriguing patterns on the ground.



This large and detailed structure was designed to provide shade while framing the beautiful fireplace as a focal point. The arches and peaked top exist in the design of the house and were incorporated into the pergola as lateral stabilizers and as a means of spanning the 18' width, respectively. The posts consist of an assembly of four verticals capturing a center 6 x 6 post at the base. This allowed us to create a functionally strong, but visually open post, that was proportionally correct for the structure.



Design elements of the house were incorporated into this carport pergola, such as the large curved brackets, arches and circles within the lattice panels. A contemporary trellis was fabricated using 1/2" stainless steel rods to facilitate a number of vines that within three years time will establish a solid "green screen" in the summer and a intriguing labyrinth of vines during the winter.



This cantilevered pergola, while maintaining an open feeling, provides a sense of intimacy and privacy in this outdoor kitchen setting. Several unique engineering solutions were incorporated to facilitate the cantilever, thereby keeping the patio free from vertical support posts, per the request of the homeowner. Page 38 of this catalog depicts a few images taken from the 3-D computer model presentation for this project.



PERGOLAS / CUSTOM

36

This very simple contemporary pergola incorporates 3/8" stainless rods and stout 6 x 6 posts and beams. The stainless rods were machined to create a very clean, unobtrusive connection to the large beams.



With the cedar components stained a dark brown, this structure was designed to complement a large, formal mid-nineteenth century home. The central peaked area of the structure incorporates a shade cloth, that is swagged over aluminum pipes to facilitate easy removal for the off-season. The peaked structure allows for large, unsupported spans without using extra large beams.



This rooftop pergola was a solution to several functional requirements and a few challenging site constraints: the elevator size, a windy site, and being unable to attach to the building. A contemporary aesthetic was requested for a structure that would provide shade and protection from light rain, while establishing a sense of enclosure and a degree of intimacy for evening dining.



These trellis corners, perimeter cornice and planters provide a very stable "garden room," while the canopy provides protection from the elements. Heaters were installed for the evenings in the spring and fall when cooler temperatures prevail. A credenza was created as a serving buffet and dry storage for furniture cushions.



Designed and fabricated for a condominium complex in Massachusetts, this large, contemporary pergola utilizes 6 x 6 aluminum posts as supports. The posts, when attached to custom stainless steel bases and secured to the double main beams using through compression rods, provide for an extremely durable, stable and maintenance free structure.



The spans on this impressive carport pergola were in excess of 20' and are achieved by using a peaked roof supported by strong horizontals and stout curved brackets notched and through bolted. This is an extremely strong structure built in an area susceptible to hurricanes. In time, the lattice panels will be covered with flowering vines.

INSTALLATION OF THE PERGOLAS

We've taken care to make sure the installation will be a successful and easy process. We are always available to walk you through the steps and welcome your call if you have any questions and comments. While pergola installations can vary depending on the surroundings, the following will give an example and overview of the process.

The pergola kit consists of detailed step-by-step installation instructions customized per project. Detailed drawings, hardware schedule specifically marked as to placement of the various screws and plugs, and exploded 3D views of the structure are included. All pieces are cut and sanded and pre-drilled to receive plugs where necessary.

ITEM	PART	DESCRIPTION	QTY.
1	101019-01	Post, 5-1/2" x 5-1/2" x 120"	4
2	101019-03	Beam, Main, Pro-F BP04, 1-7/16" x 7-1/2" x 156"	2
3	101019-04	Rafter, Pro-F RP04, 1-1/2" x 5-1/2" x 156"	9
4	101019-05	Purlin, 1-1/2" x 1-1/2" x 143"	12
5	101019-06	Bracket, 1-3/4 x 27-5/16" x 27-1/2"	4
6	101019-02	Cap, Post, 1-3/4" x 7-1/2" x 7-1/2"	4
7	101019-07	Cap, Bracket, 1-1/2" x 2-1/2" x 13-3/8"	4
8	101019-12	Arch and Keystone Assy	2

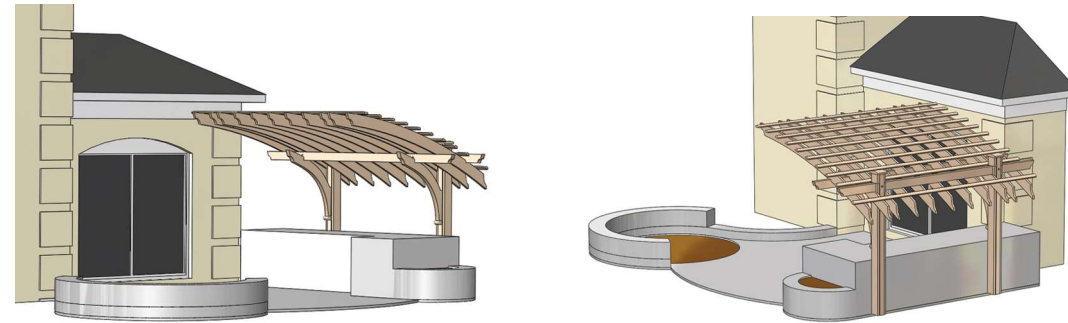
Assembled Pergola
10' x 10'

trellis
STRUCTURES

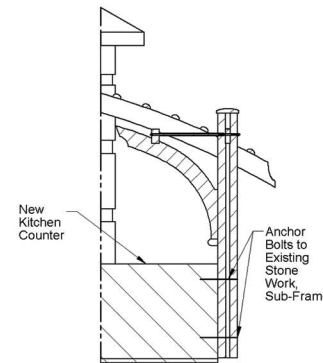
A drawing for a simple pergola structure assembly is shown above.

Shown on this page are illustrations and details from a model of a completed cantilevered structure, drawings of various post installations and a typical column installation.

Please see the Installation link in the pergola section of our website for additional information.

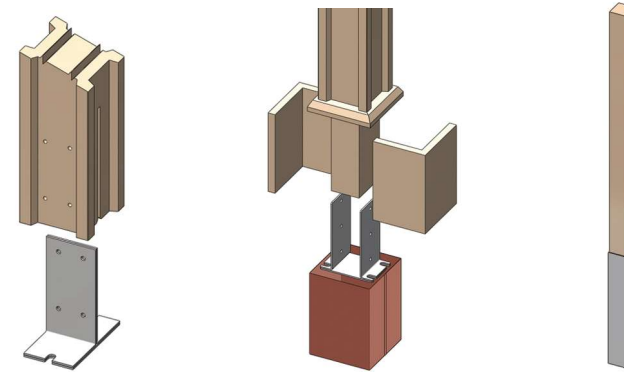


These are examples of a model created for an unusual structure that was designed to complement the curved components of a patio. The 3-D computer models, that can rotate to show various views of the structure, help in visualizing the final structure for our customers. The final construction is shown on page 36 of this catalog.

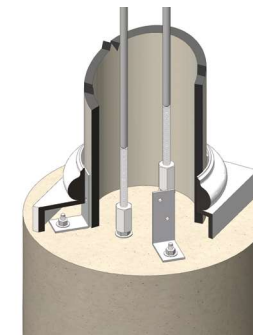
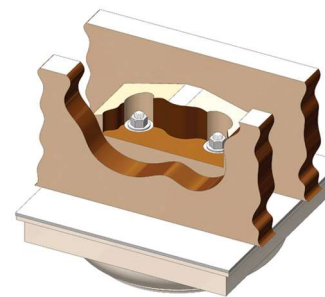


SECTION B-B
Scale: 3/8"=1'-0"

This drawing is an overview of a tension rod system employed to stabilize a large cantilevered pergola.



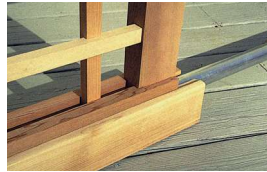
These three models depict various methods of post attachment. On the left is a 3/8" stainless steel knife plate hidden inside the post and bolted to the foundation. The middle drawing shows a "U" bracket of 3/16" stainless steel that will be hidden by a plinth base. The drawing on the right depicts an aluminum tube, press fit at the factory onto a 6 x 6 cedar post, that will then be placed into a cement footing.



These two illustrations show a typical column attachment for round fiberglass columns. On the left is a diagram depicting the column attachment at the top of the pergola where the column attaches to the beams with a double-rod block assembly. On the right, the diagram depicts how the column attaches to a base using compression rods and stainless steel "L" brackets.

ASSEMBLY OF THE ARBORS

Each component is predrilled, marked and lettered, to ensure an accurate fit. We provide the screw bit for your drill and all of the stainless steel screws. All that is required is an electric variable speed drill.



Arbors arrive with two framed lattice panels, four posts, two arches with cross pieces and four aluminum pipes for installation of the arbor.

Easy to follow instructions for each product are included. If you should have any problems assembling your arbor, please call our shop, at 888.285.4624, and we will walk you through the process.

SECURING THE WALL TRELLISES

The trellises that will be placed against a wall are supplied with "stand-offs." The stand-offs (blocks of cedar) allow plants to grow behind the trellis.

The stand-offs are fastened to the wall using the correct screws for the wall surface, provided by you. The trellis is then fastened to the stand-offs, using the stainless steel screws provided by us. The trellises should be predrilled to receive the screws.

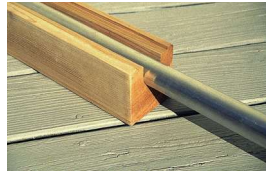
Most of our wall trellises can be made to be freestanding and are secured to the ground using cedar stakes.

This outlines the proper installation for these units.

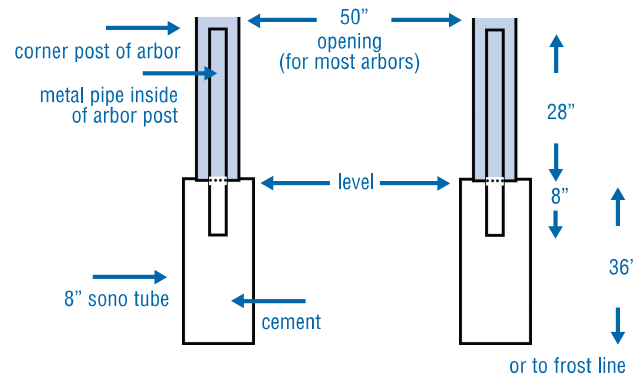
Detailed installation instructions are provided with each product.

INSTALLATION OF THE ARBORS

Each arbor comes with four 36" very strong aluminum pipes that secure the arbor into a cement footing. The pipes are 1 3/8" in diameter, with a thick 1/8" wall. They fit perfectly into a channel within the 4"x 4" posts of the arbor, which hides and secures the pipes. The pipe extends into the post 28".



Place four sono tubes (cardboard cylinders) in the ground to the frost line. Level the tops of the tubes to each other while being careful to keep them the correct distance apart and square to each other.



Place the arbor side, with the pipes attached, into the sono tube. The lip of the tube becomes the point upon which the arbor post will rest. The side should now be level and should be brought into plumb. Repeat for the other side.

Temporarily support the sides and place the top on. Now the sono tubes can be filled to the top with cement.

This outlines the proper installation for an arbor. Detailed installation instructions are provided with each product.

Note: The Essex Arch, Cambridge Arch, Salem Arch and the Oak Park Arbor are all installed using precut and drilled cedar stakes. The stakes are placed in cement in a similar fashion to the metal pipes.

TREATING OF WESTERN RED CEDAR

This discussion is more fully explained in the Treating section of our website however, in brief:

Because our pieces are unstained, this allows you a full range of possibilities for finishing, including the option of allowing the product to weather naturally. The consistent, high quality woods that we use are beautiful in their natural state, and do not require a color stain to hide blemishes in the wood.

Using western red cedar of the highest quality enables you to do nothing as far as treatment goes.

If you decide to go the maintenance-free route, simply let the wood weather to a beautiful silvery gray. The wood may need to be cleaned every several years with a weak bleach and water solution to remove any dirt that has accumulated from the atmosphere. No scrubbing or brushing is necessary, simply rinse off with the garden hose. This will brighten the wood and return the wood fiber to a clean, bright gray tone.

If you want to stain your structure a color, this wood, since it is kiln dried, holds the stain extremely well.

Staining the structure creates numerous design possibilities with color. Combinations of natural gray wood and stained support posts can be quite attractive and practical, as far as maintenance is concerned. A solid body stain can be applied, offering the most protection from the ultraviolet rays.

Each piece comes with a detailed finishing sheet that includes a variety of methods for staining and treating western red cedar products. Included is information on translucent oil finishes and full-bodied latex stains.

We do not recommend the use of clear coat finishes to maintain the natural wood color. If it is clear, it has little or no pigment, and no resistance to ultraviolet rays.