

MANUFACTURER OF ENGINEERED WOOD PRODUCTS



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THE ENWOOD STRUCTURES TRADITION

For more than 60 years, EnWood Structures has designed and manufactured superior-quality laminated wood products. That commitment to precision manufacturing has earned us a distinguished reputation in the laminated wood market.

Because every project has unique needs, EnWood offers three paths: choose from the Design Collection, customize a standard design with options, or develop a fully custom design.

Over the years, EnWood has received industry-wide recognition for design innovation and precision manufacturing, including the prestigious Merit Award from the National Timber Bridge Association.

RECREATIONAL SHELTERS, PAVILIONS, ARENAS, STAGE COVERS, AMPHITHEATERS

The EnWood Design Collection includes a wide selection of pre-engineered, pre-fabricated shelter packages. The shelter packages can be customized with a selection of options, including powder-coated steel columns, metal roofs, staining, rails, benches, and much more. Shelter packages are shipped complete, including all hardware required for proper installation.

EnWood's Custom Design division is an industry leader for custom shelter and riding arena designs. EnWood's ability to work closely with designers, engineers, and architects has earned EnWood Structures an outstanding reputation. Understanding the client's unique specifications and individual needs and delivering a product that surpasses expectations is the benchmark for EnWood Structures.

PEDESTRIAN, LIGHT VEHICULAR and GOLF BRIDGES

EnWood is well known in the bridge industry for its ability to design and engineer exceptional quality clear-span laminated wood bridges. Standard girder-style bridges can clear-span 100', while arch suspension bridges can exceed a clear span of over 200'. For longer crossings, we engineer the bridge in segments, so total length is effectively unlimited.

HIGHWAY BRIDGES

An EnWood highway bridge, engineered for full vehicular traffic, blends softly with nature. Built for beauty and utility, EnWood's highway bridges suit parks, greenways, golf courses, and residential communities where appearance matters. EnWood's ability to work closely with regulatory authorities ensures a successful project for the customer.

The team at EnWood looks forward to working with you and providing the service and support your project deserves.

EnWood Structures production is an associate member of The American Institute of Timber Construction, AITC, who has the highest manufacturing standards of the industry. Manufacturing and quality control conform to the Standard Specifications for Glued Laminated Timber.



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Standard Sizing Measures Eave to Eave				
12'X12'	20'X20'	30'X36'	40'X68'	50'X100'
12'X16'	20'X28'	30'X44'	40'X76'	50'X108'
12'X20'	20'X36'	30'X52'	40'X84'	50'X116'
12'X28'	20'X44'	30'X60'	40'X92'	60'X60'
12'X36'	20'X52'	30'X68'	40'X100'	60'X68'
12'X44'	20'X60'	30'X76'	40'X108'	60'X76'
16'X16'	24'X20'	30'X84'	50'X52'	60'X84'
16'X20'	24'X28'	30'X92'	50'X60'	60'X92'
16'X28'	24'X36'	30'X100'	50'X68'	60'X100'
16'X36'	24'X44'	40'X44'	50'X76'	60'X108'
16'X44'	24'X52'	40'X52'	50'X84'	60'X116'
16'X52'	24'X60'	40'X60'	50'X92'	60'X124'

Custom Sizes Available

- 3:12 Roof Pitch
- Roofing shingles and felt
- Columns spaced at 8' intervals in the length direction
- 2X6 Fascia boards
- Tongue and groove roof decking

- Steel columns
- Surface mounted
- Roof pitch up to 6:12
- Wood railings
- Cupolas
- Stained columns, beams, decking, fascia
- Metal roofing
- Powder coated steel
- Alaskan yellow cedar fascia

RALEIGH II

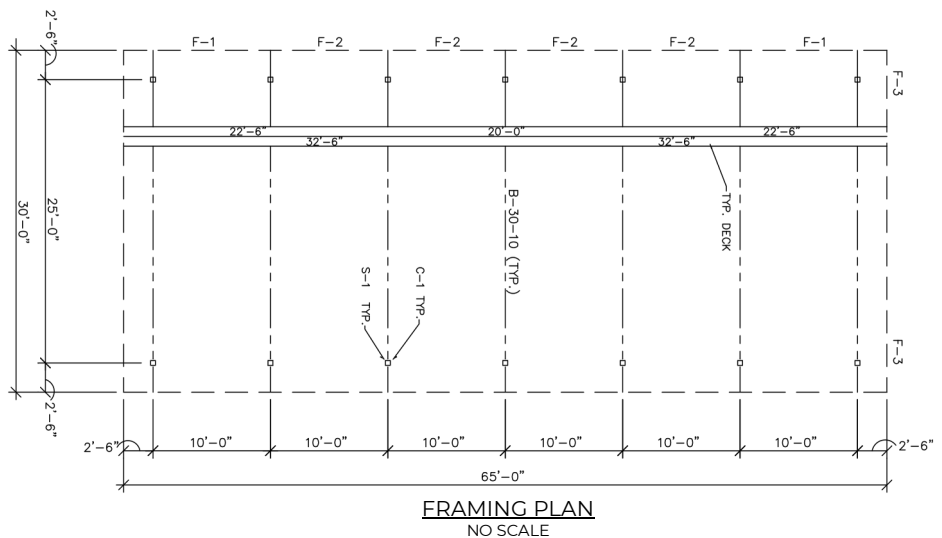


The Raleigh II spaces its beams and columns at ten-foot intervals, resulting in a more open and accessible layout.

30'X60' RALEIGH II

Standard Sizing Measures Eave to Eave			
16'X24'	20'X45'	30'X75'	40'X105'
16'X35'	20'X55'	40'X45'	50'X55'
16'X45'	20'X65'	40'X55'	50'X65'
16'X55'	30'X35'	40'X65'	50'X75'
16'X65'	30'X45'	40'X75'	50'X85'
20'X24'	30'X55'	40'X85'	50'X95'
20'X35'	30'X65'	40'X95'	50'X105'

Custom Sizes Available



Standard Raleigh II Includes:

- 3:12 Roof pitch
- Tongue and groove wood decking
- Roofing shingles and felt
- 2X6 fascia boards
- Columns spaced at 10' intervals in the length direction

Options (priced upon request):

- Steel columns
- Metal roofing
- Wood railings
- Surface mounted
- Powder coated steel
- Cupolas
- Roof pitch up to 6:12
- Stained columns, beams, decking, fascia
- Alaskan yellow cedar fascia

WILMINGTON



The Wilmington’s open knee arch design, showcases the craftsmanship of laminated wood. The glulam arches are pressure treated and surface mounted. The gable design of the Wilmington features arches 8’ on center in the length direction, and an eave height of 10’.

Standard Sizing Measures Eave to Eave		
24'X20'	30'X44'	40'X44'
24'X28'	30'X52'	40'X52'
24'X36'	30'X60'	40'X60'
24'X44'	30'X68'	40'X68'
24'X52'	30'X76'	40'X76'
24'X60'	30'X84'	40'X84'
30'X36'	30'X92'	40'X92'

Custom Sizes Available



Standard Wilmington Includes:

- 5:12 Roof Pitch
- Tongue and groove roof decking
- Surface mounted
- Roofing shingles and felt
- 2X6 Fascia boards
- Open Knee arch
- Columns spaced at 8' intervals

Alternative Options (priced upon request):

- Metal roofing
- Stained arches, decking, fascia
- Alaskan yellow cedar fascia
- Wood railings
- Cupolas

TIMBERLAND



The simplicity of the Timberland shelter design makes it both economical and attractive. With broad open sides and no center post, the Timberland suits all kinds of gatherings.

Standard Sizing Measures Eave to Eave

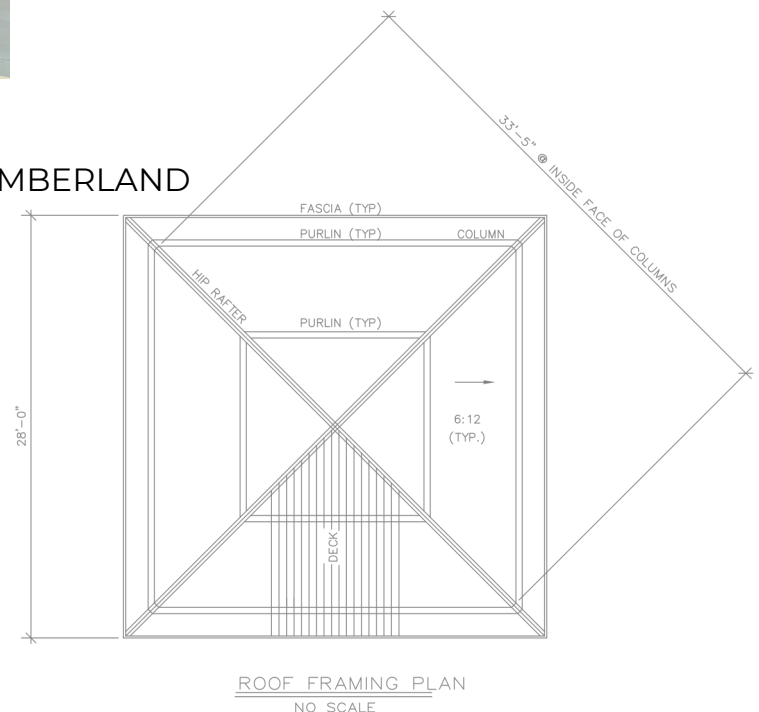
12'X12'	20'X20'	28'X28'
15'X15'	24'X24'	36'X36'

Custom Sizes Available

Standard Timberland Includes:

- 6:12 Roof pitch
- Tongue and groove roof decking
- Roofing shingles and felt
- 2X6 Fascia boards

28' TIMBERLAND



Options (priced upon request):

- Metal Roofing
- Steel columns
- Alaskan yellow cedar fascia
- Surface mounted
- Wood railings
- Powder coated steel
- Cupolas
- Stained columns, beams, decking, fascia

CAROLINE



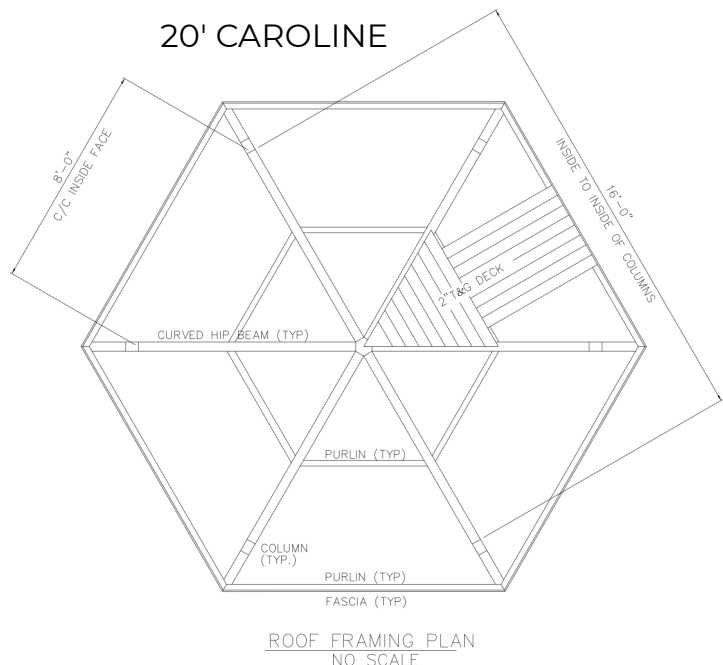
With its laminated curved roof beams and distinct hexagonal shape, the Caroline shelter design blends beautifully into any setting.

Standard sizing measuring eave corner to eave corner			
14'	20'	30'	40'
16'	25'	35'	45'

Custom Sizes Available

Standard Caroline Includes:

- 3:12 Roof Pitch
- Tongue and groove roof decking
- 8' Columns
- Roofing shingles and felt
- 2X6 Fascia boards



Options (priced upon request):

- Wood railings
- Roof pitch up to 6:12
- Steel columns
- Wood deck floor
- Benches
- Powder coated steel
- Stained columns, beams, decking, fascia
- Alaskan yellow cedar fascia

MAGNOLIA



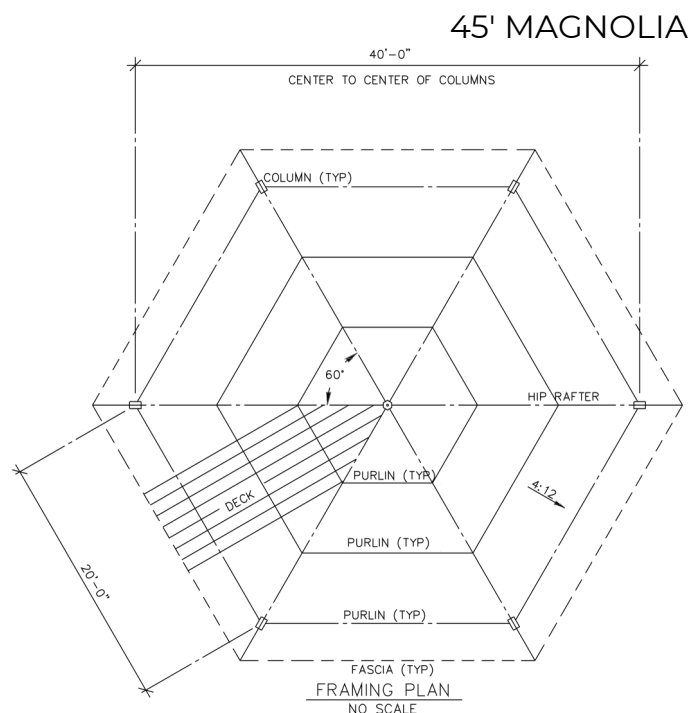
The Magnolia has a unique structural design that eliminates the need for a center support column, even in models up to 60'. Ideal for park and recreational areas, playgrounds, skateparks, community gathering centers, greenways, and private developments.

Standard Sizing Measures Eave Corner to Eave Corner			
20'	30'	40'	50'
25'	35'	45'	60'

Custom Sizes Available

Standard Caroline Includes:

- 4:12 Roof pitch
- Tongue and groove roof decking
- 8' Columns
- Roofing shingles and felt
- 2X6 Fascia



Options (priced upon request):

- Wood Railings
- Roof Pitch up to 6:12
- Alaskan yellow cedar fascia
- Steel columns
- Benches
- Metal roofing
- Cupolas
- Stained columns, beams, decking, fascia
- Powder coated steel

COLUMBIA



The Columbia shelter is an octagonal design and features a distinctive, high visual 6:12 roof pitch with 10' standard laminated wood columns after embedment. This special structural design eliminates the need for a center support column, even in models up to the standard 70' width.

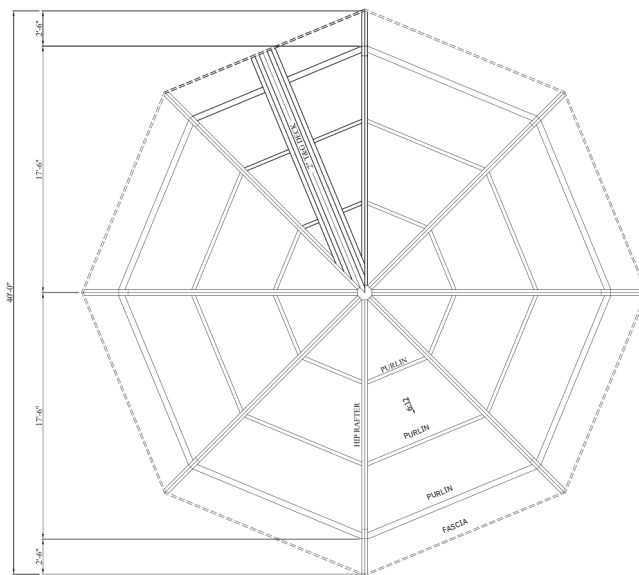
40' COLUMBIA

Standard Sizing Measures Eave Corner to Eave Corner				
20'	30'	40'	50'	60'
25'	35'	45'	55'	70'

Custom Sizes Available

Standard Columbia includes:

- 6:12 Roof Pitch
- Tongue and groove roof decking
- 10' Columns
- Roofing shingles and felt
- 2x6 fascia



FRAMING PLAN
NO SCALE

Options (priced upon request):

- Wood railings
- Metal roofing
- Cupolas
- Roof pitch up to 8:12
- Benches
- Stained columns, beams, decking, fascia
- Surface mounted
- Steel columns
- Alaskan yellow cedar fascia

A large, octagonal wooden gazebo with a metal roof, situated on a concrete pad in a grassy area. In the background, there is a yellow building and trees under a clear blue sky.

Standard Sizing
Measures Eave Corner to Eave Corner

20'	30'	40'	50'	60'
25'	35'	45'	55'	70'

Custom Sizes Available

40' SEASIDE

FRAMING PLAN
NO SCALE

Standard Seaside includes:

- 6:12 Roof Pitch
- Tongue and groove roof decking
- 10' Columns
- 2x6 fascia
- Roofing shingles and felt

- Wood Railings
- Metal roofing
- Cupolas
- Roof Pitch up to 8:12
- Benches
- Stained columns,beams, decking, fascia
- Surface mounted
- Steel columns
- Powder coated steel

LOUISVILLE



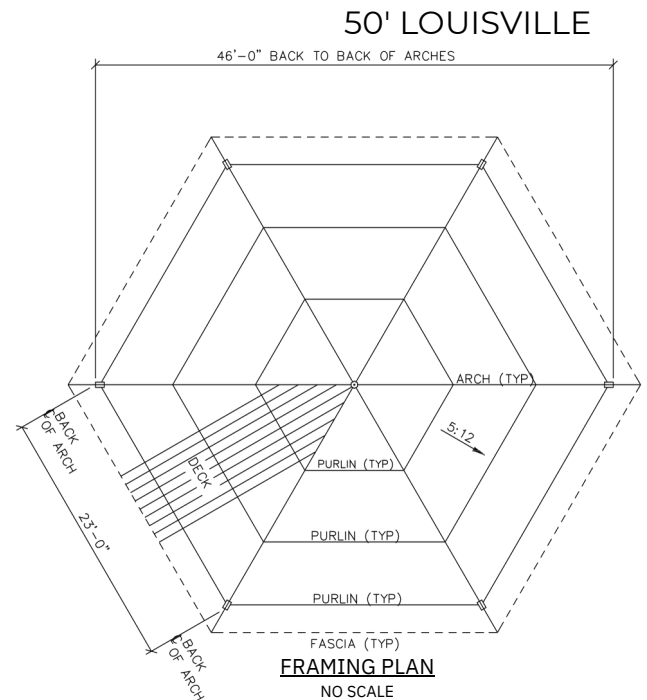
Standard Sizing measures Eave Corner to Eave Corner		
20'	40'	60'
30'	50'	70'

Custom Sizes Available

Standard Louisville includes:

- 5:12 Roof Pitch
- Tongue and groove roof decking
- 2X6 Fascia
- Roofing shingles and felt
- 10' Columns
- Surfaced mounted

The Louisville shelter's hexagonal design uses glulam arches and Southern Yellow Pine purlins, making it one of the most attractive wood shelters on the market. The standard package features a 5:12 roof pitch design and interior wood roof decking.



Options (priced upon request):

- Metal roofing
- Alaskan yellow cedar fascia
- Stained columns, beams, decking, fascia
- Powder coated steel

TWO-TIERD LOUISVILLE



APEX SERIES



The Apex II



The Apex with changing rooms



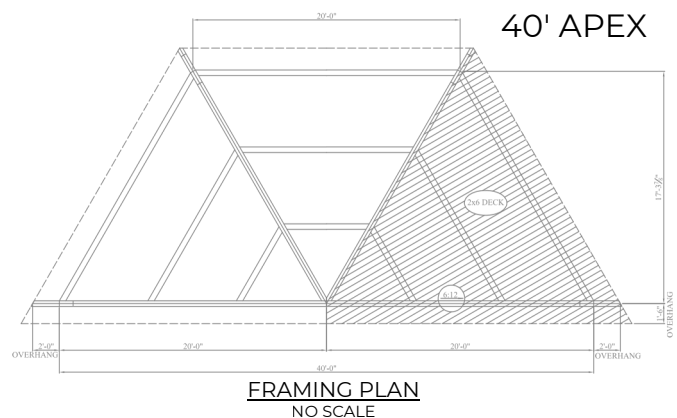
The Apex with Front Bays

The Apex Amphitheater design series utilizes laminated arches and purlins of Southern Yellow Pine. The Apex is engineered with side walls. The Apex II is engineered without side walls. Both are offered with arch leg heights of either 10' or 14' 3", with front bays for additional coverage.

Width	Depth	Arch Leg Height
30'	13'	10'
30'	13'	14'
35'	15' 2"	10'
35'	15' 2"	14'
40'	17' 4"	10'
40'	17' 4"	14'
45'	19' 6"	10'
45'	19' 6"	14'

Standard Apex includes:

- 6:12 Roof Pitch
- Tongue and groove decking
- Surface mounted
- Roofing shingles and felt
- 2X6 Fascia
- Wall decking



Options (priced upon request):

- Extended 12' front bays
- Decking and beams for side or back storage and dressing chambers
- Metal roofing
- Stained columns, beams, decking, fascia

CAMDEN SERIES



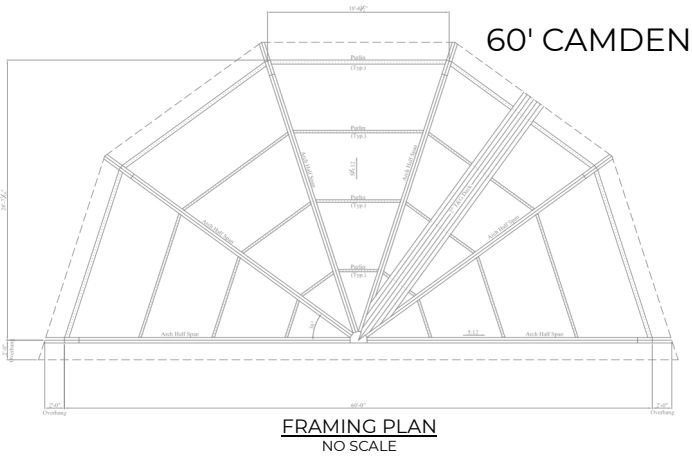
The Camden Design Series was added to our shelter collection specifically for projects requiring additional covered space. Like the Apex, it uses laminated Southern Yellow Pine arches and purlins, but adds a five-segment design that extends sizing up to 65'. The Camden is engineered with side walls. The Camden II is engineered without side walls, and both are engineered to facilitate up to 3 front bays for additional coverage.

Width	Arch Leg Height
50'	12'
55'	12'
60'	12'
65'	12'

CustomSizes Available

Standard Camden includes:

- 6:12 Roof Pitch
 - Tongue and groove roof decking
 - Surface mounted
- Roofing shingles and felt
 - 2X6 Fascia boards
 - Wall decking



Options (priced upon request):

- Extended 12' front bays
 - Decking and beams for side or back storage and dressing chambers
- Metal roofing
 - Stained columns, beams, decking, fascia

GUILFORD



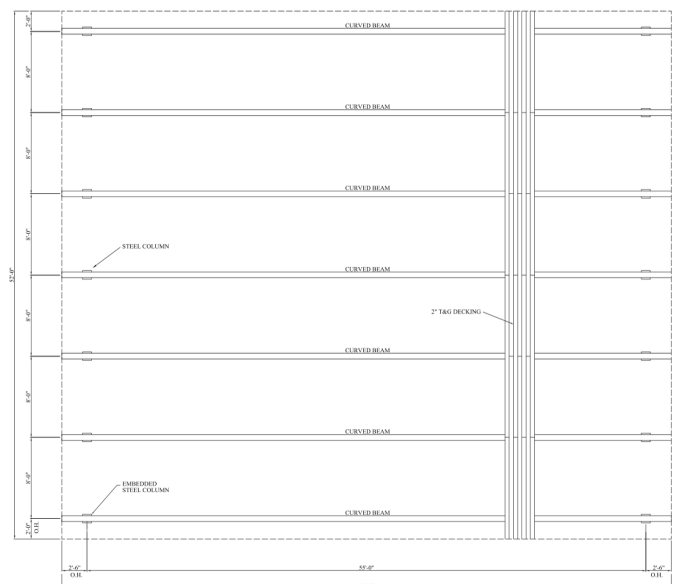
The Guilford combines advanced curved-beam technology with an award-winning, sculptural aesthetic. The Guilford offers custom design features, such as a higher interior elevation, along with the advantage of a pre-designed and engineered shelter. The Guilford can also be modified to meet your specific requirements, including a snack bar, restroom facilities, and a full enclosure.

Standard Sizing Eave to Eave

24' x 20'	30' x 68'	40' x 84'	50' x 100'
24' x 28'	30' x 76'	40' x 92'	50' x 108'
24' x 36'	30' x 84'	40' x 100'	50' x 116'
24' x 44'	30' x 92'	40' x 108'	60' x 60'
24' x 52'	30' x 100'	50' x 52'	60' x 68'
24' x 60'	40' x 44'	50' x 60'	60' x 76'
30' x 36'	40' x 52'	50' x 68'	60' x 84'
30' x 44'	40' x 60'	50' x 76'	60' x 92'
30' x 52'	40' x 68'	50' x 84'	60' x 100'
30' x 60'	40' x 76'	50' x 92'	60' x 108'

Custom Sizes Available

60'X52' GUILFORD



FRAMING PLAN
NO SCALE

Standard Guilford Includes:

- 10' Column height
- 8' column spacing
- Steel columns
- Roofing shingles and felt
- 2'6" roof overhang
- Tongue and groove roof decking

CHARLESTON



The Charleston is one of the industry’s most attractive band shelters, spacious, versatile, and strong in both aesthetics and acoustics. Its soft, graceful roof uses laminated Southern Yellow Pine beams and purlins. The size of the Charleston will determine column engineering: either laminated wood or steel.

Width	Depth	Front height	Back height
36'	25'	13'3"	8'
36'	32'	15'	8'
44'	25'	13'3"	8'
44'	32'	15'	8'
52'	32'	15'	8'
52'	39'	16'9"	8'
60'	39'	16'9"	8'

Standard Charleston Includes:

- 3:12 Roof Pitch
- Tongue and groove roof decking
- Surface mounted
- Roofing shingles and felt
- 2X6 Fascia
- Steel columns

Options (priced upon request):

- Metal roofing
- Powder coated steel
- Stained beams, decking, fascia
- Alaskan yellow cedar fascia

BRANDYWINE



The Brandywine’s spacious arch design makes a striking statement. The Brandywine can be sized to meet your specific project requirements.

The standard Brandywine includes:

- 4:12 Roof Pitch
- Tongue and groove roof decking
- Surface mounted
- Roofing shingles and felt
- 2X6 Fascia
- Wall decking
- Open knee arches

Options (priced upon request):

- Stained beams, decking, fascia, columns
- Alaskan yellow cedar fascia
- Powder coated steel
- Decking and beams for back storage or dressing chambers

MILLS



The Mills features the most dramatic curved laminated-wood beams of any pavilion in the industry. The Mills can be sized to your project.

Standard Mills includes:

- The standard radial curved roof with < 1:12 end slopes.
- Tongue and groove roof decking
- 8' Column spacing
- Roofing shingles and felt
- 2x6 fascia
- Wall decking
- Steel columns



Options (priced upon request):

- Stained beams, decking, fascia
- Powder coated Steel
- Alaskan yellow cedar fascia
- Metal Roofing
- Decking and beams for back storage or dressing chambers

DOBSON



Standard Sizing Measures
Eave to Eave

8'X20' 8'X24' 8'X34'

Simple and clean, the Dobson is multifunctional and easily resized for bleacher and driving-range covers, as well as bus stops.

Custom Sizes Available

PINEHURST



Standard Sizing
Measures
Eave to Eave

8'X8' 10'X10'

The Pinehurst Mini-Picnic shelter is designed specifically for a small group's picnic and recreational needs and is ideal for remote park areas, trails, playgrounds, and camping sites. The Pinehurst shelter uses solid sawn cedar for the table and benches and #1-grade Southern Yellow Pine for all other components. The Pinehurst can be adapted into a sign or bulletin shelter for park entrances and recreational areas.

Custom Sizes Available

MODIFIED RALEIGH SHELTERS



This Raleigh shelter measures 40'x68'. Customer selected steel columns and Alaskan yellow cedar fascia.



This Raleigh gives a slightly enclosed feeling with the added rails. Measuring at 30'x44' with a 6:12 roof it not only looks great but is highly functional.



The Raleigh, Raleigh II and Truss shelters, large or small are easily adapted to enclose restrooms, concessions, storage, and offices. Enclosure materials are furnished by your contractor.



Hickory, North Carolina is home to this 50'x105' Raleigh II structure.



This Raleigh shelter features a dramatic 6:12 roof pitch for high visual impact. While the standard pitch for Raleigh and Raleigh II models is 3:12, EnWood offers optional 4:12, 5:12, and 6:12 configurations.



All sizes of the Raleigh and Raleigh II shelters are offered with EnWood's optional Bar-B-Q roof design. This design has been engineered to facilitate updraft for ventilation.

RALEIGH HIP



RALEIGH DUTCH HIP



SPRINGWOOD



The Springwood is functional, versatile, and unique to the industry. This design is actually the intersection of two Raleigh or two Raleigh II shelters. Most size combinations are available, and either the traditional gable roof or the Dutch-hip roof is available for this structure.

CUSTOM DESIGNS



EnWood Structures has the expertise and capacity to develop unique and challenging projects. Equestrian and riding arenas, orchestra and stage covers, wedding pavilions, and community recreation centers are just a few.



CUSTOM DESIGNS



Mono Rafter
With Steel Columns



Wilmington Cabanas



Raleigh all Season
Picnic Shelter



METAL ROOFING

Enwood Offers FABRAL roofing in 3 Gages

FABRAL
A FLACK GLOBAL METALS COMPANY

WeatherXL™
COLOR CHART | SMP PAINT SYSTEM



Scan the QR code for more information

GRANDRIB 3®
29 GA Galvalume
Panel profile

Available in all 21 colors

MIGHTI-RIB®
26 GA Galvalume
Panel profile

Available in 12 colors

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1½ SSR
24 GA Galvalume
Panel profile

Available in 12 colors

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STAIN OPTIONS

TRANSPARENT

SEMI-TRANSPARENT



Scan the QR code for more options and info

CUPOLAS



All cupolas are hand crafted in quality cedar lumber. The louvers are screened on the inside, and shipped with mounting brackets.

Cupolas are offered with either shingles, aluminum roof, or the distinctive look of a copper roof.

Custom options and sizes available

LAMINATED WOOD BRIDGES



For over sixty years, EnWood Structures has designed and manufactured vehicular and pedestrian bridges utilizing pressure-treated glulam.



Why Glulam Bridges?

Exceptional Strength and Span:

Pound for pound, glulam is stronger than steel. Because it is engineered from selective laminations, builders can span wide distances without the need for center supports.

High Corrosion Resistance:

Unlike steel, wood is not prone to rust. Glulam is highly resistant to de-icing chemicals and harsh environmental conditions (such as coastal salt spray), greatly reducing long-term maintenance costs.

Sustainability & Carbon Footprint:

Glulam is a renewable resource that requires significantly less energy to manufacture than steel or concrete. The timber acts as a carbon sink, locking in greenhouse gases for the bridge's lifespan.

Faster and Cheaper Installation:

Because glulam is lightweight, it imposes less dead load on the foundation and requires smaller cranes and lighter equipment for installation. Components are often prefabricated off-site, streamlining assembly.

Design Versatility:

The laminating process allows for nearly limitless shaping. Glulam can be easily formed into curves, arches, and tapered beams to fit both structural and aesthetic requirements.

PEDESTRIAN & LIGHT VEHICULAR



Pedestrian, golf, and light-vehicle glulam girder-style bridges are favored for their architectural design, low maintenance, and long-term cost-effectiveness. Although custom designs are always available, most often customers select one of EnWood's very popular prefabricated bridge designs.



VEHICULAR BRIDGES



Vehicular bridges offer a viable alternative to steel and concrete structures because of their ease of installation through prefabrication, minimal maintenance, extended service life, and aesthetic quality. Standard design configurations for HS20 loading with spans ranging from 16' to 80' are available for single- and multi-lane bridges. Larger spans are possible with truss or deck arch bridge designs.



ARCH SUSPENSION BRIDGES



Arch Suspension Bridges are exceptionally multifunctional and can be engineered for pedestrian, golf, and light vehicular loads. Each project is tailored to the client's load, width, and length, up to 140'.



COVERED BRIDGES



Covered bridges offer visual impact and practical solutions for numerous venues. The covered roof system can be either full or partial coverage and is ideal for golf courses, greenways, community areas, and residential developments.

Both the Woodland and the Fairway bridge models can accommodate a full or partial roof system. Roof system designs utilize laminated wood posts and beams and tongue-and-groove roof decking.



CUSTOM MODIFICATIONS



Enwood Structures' standard designs are frequently altered to enhance the bridge's appearance without creating a custom-engineered structure. Rail-detail variations, shown here, add flexibility to these designs.



For golf course applications, low-profile structures are usually preferred. Removing the rail system in favor of a 6" to 8" curb or using a single top rail at approximately 24" above the deck creates a cleaner, streamlined look.



PRODUCTION



SHIPPING

Specialized heavy-haul transportation makes it easy to ship bridges. Logistics are dictated by total span length: Most bridges ship fully assembled, whereas larger bridges are transported in sections for final on-site installation.



EnWood has years of shipping experience coordinating oversized bridges and extended-length components, handling permits and escorts as part of the service our customers rely on.



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