

# design guide

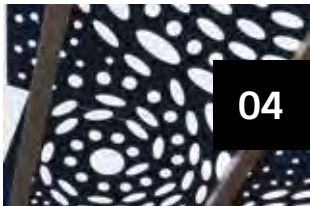


BEN  
SHAFFER  
RECREATION



2020 **ICONOGRAPHYIII**

# Content



04

## Featured Projects

Custom structures and notable projects



20

## ICON Originals

- |                   |                      |
|-------------------|----------------------|
| Craftsman Series™ | Trail Series™        |
| IRONWORKS™        | American Dreamfield™ |
| Vista Series™     | En Route™            |
| LiveShade™        | ICON Ride™           |
| ICON Swings       | ICON Gazebos         |



50

## Industry Standards

- |                   |                       |
|-------------------|-----------------------|
| Squares           | Intervals             |
| Hexagons          | Stretched Shelters    |
| Octagons          | Dual-Slope Shelters   |
| Gabled Rectangles | Decagons & Dodecagons |
| Hipped Rectangles | Mono-Slope Shelters   |
| Barrel Vaults     | Mini-Shelters         |



72

## Other Structures

- |                        |                   |
|------------------------|-------------------|
| Band Shells            | Mailbox Shelters  |
| Partial Shade/Arbors   | Clock Towers      |
| Partial Shade/Solumbra | Umbrella Shelters |
| Pedestrian Bridges     | Message Shelters  |
| Porta-Potty Enclosures | Fabric Shades     |



90

## Wood Structures

- Engineered Wood Structures by ICON
- Low-Pitched Beam Shelters
  - Solid and Open Arch Shelters
  - Enclosed Buildings
  - Post-and-Beam Shelters
  - Pedestrian Bridges



98

## Information

- Miscellaneous Information
- Options & Accessories
  - Roof Deck Options
  - Metal Roof Colors
  - Steel Frame Finishes
  - Powder Coat Colors

### On The Cover



Custom AR15X54 with colored polycarbonate panels. See pgs. 6-7

Creditview Activity Hub  
Brampton, ON.

ICONOGRAPHY III  
Collection 2020  
D0001

Copyright © 2020  
ICON Shelter systems Inc.



### Turning Imagination into shade since 2004

The talented employees at ICON have produced a number of original ideas. Their collective expertise has turned the imaginations of world class design professionals into outdoor realities in several countries.

## Creditview Activity Hub, Brampton, ON

Design: Baker Turner Inc.  
Developer: City of Brampton, ON  
Sales: PlayPower Canada, Ltd.



Recently opened is the Creditview Activity Hub, an 85,000 square foot AODA compliant, fully accessible play area for children with physical, mental and emotional challenges and disabilities.

The most noticeable feature of the shade structure is the roof. Comprised of layered translucent polycarbonate in a variety of hues, the roof is an interesting mosaic that provides colorful light projections to the pavement below. The colored panels are attached to the steel frame with stainless steel stand-off hardware.

## Featured Project

Civita Park, when complete, will be one of the largest public parks in metropolitan San Diego. It has been planned by Sudberry Properties under the jurisdiction of City of San Diego Public Works Department and other agencies.

Schmidt Design Group Inc. was retained to design the park based on the shared vision of the city, the public and the community planning groups. They retain design copyrights of all structures.



01

### Civita Park, San Diego, CA

Design: Schmidt Design Group Inc.  
Developer: Sudberry Properties  
Sales: Unique Recreation Consultants

**01 & 02** Signature Structure Band Shell 70' X 35' **03** Living Shade Structures – six sets of 3 arches with stainless steel cable to train Wisteria **04** Social Node Structures with stainless steel cable to train Wisteria **05 & 06** Special Events Structure 41' X 43' **06** Playground Picnic Shelters 33' X 19'



02



05



03



06



04



07

**Gulf Coast Town Center, Ft. Myers, FL**  
**A collaborative effort with Landscape Forms Studio 431**

Design: Wantman Group, Inc. and Landscape Forms, Inc.  
Developer: North American Development Group

Landscape Forms Inc. of Kalamazoo, Michigan partnered with ICON Shelter Systems Inc. to produce this attractive centerpiece in a new play space at the Gulf Coast Town Center in Ft Myers, Florida. It has two swings on one end, lighting, and misting nozzles throughout. The design cannot be reproduced without permission, and is shown to highlight ICON’s fabrication capabilities.



**Featured Project**



**A Partnership**

This project was produced by ICON as an OEM supplier to Studio 431, the custom structures division of Landscape Forms Inc. of Kalamazoo, Michigan. Studio 431 works with landscape architects, architects, and industrial designers to produce high visibility custom projects.

## Custom Picnic Shelter, Stapleton, CO

Design: DIG StudioLandscape Architecture  
Developer: The Park Creek Metropolitan District  
Construction: Mortenson Construction  
Sales: Recreation Plus, Ltd

### Materials

<b>A</b>	Powder Coated Steel
<b>B</b>	Western Red Cedar Rafters
<b>C</b>	Tensioned Fabric



## Mixed Media

There is a lot going on in this small shelter designed by DIG Studios of Denver, CO. One's eye moves from element-to-element in this mixed media composition. Steel columns support heavy Western Red Cedar wood slats, and it is all topped off with tensioned fabric to shade the picnic tables below.

In August 2016, the City of Windsor approved a request by the Rotary Club of Windsor (1918) for a plaza with sitting areas to provide shade for at the Windsor Riverwalk at the Civic Terrace. The circular layout represents the Rotary wheel, deconstructed and reconstructed to symbolize the future of the organization's continued support of the community. The "Starry Night" roof panels are purposefully misaligned to suggest a future yet undecided.



## Centennial Plaza on Riverwalk, Windsor, ON

Design: Stefan Fediuk, CSLA  
Developer: Rotary Club of Windsor 1918  
Sales: PlayPower Canada, Ltd.

Project designer Stefan Fediuk, said, "In honour of the First Nations who settled along the 'Bending River', the back sides of the columns form a series of tridents to symbolize the Ojibway, Ottawa and Potawatomi who make up the People of the Three Fires."

# Band Shell, Celina, OH

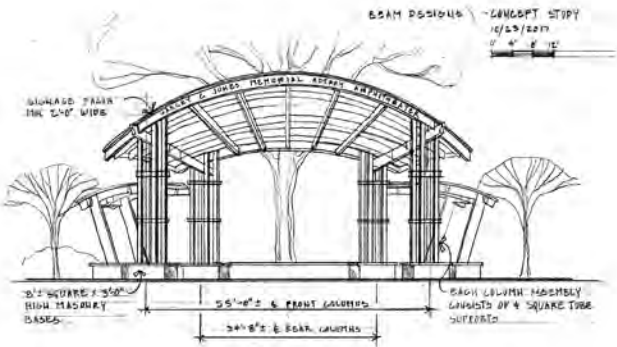
Design: Beam Designs, LLC  
Construction: Michigan Recreational Construction  
Sales: DWA Recreation



Celina is a small town in western Ohio about 125 miles north of Cincinnati. A few years ago, the Celina City Council was approached with a proposal to purchase the land formerly known as Mercelina Park, and consolidate it with Lake Shore Park and Pullman Bay Park to form the Bryson Park District. The Celina City Council established a committee of community members to solicit ideas of what should be built there. The proposal that gained the most traction was the building of a new amphitheater and outdoor performance structure.

# Featured Project

The band shell concept developed by Beam Design was submitted to ICON, which provided the city with a proposal to fabricate the structural members, roof deck, and the arching sign at the front of the building. The project was completed in the spring of 2019.



### DTP - Downtown Project, Las Vegas, NV

Design: Southwick Landscape Architects

Developer: DTP

Construction: Las Vegas Paving



The Downtown Project, or DTP, was started in 2012 as a privately-funded, for-profit enterprise to revitalize sections of old downtown Las Vegas.

These free-standing cantilevered structures line the promenade on 3rd St. between Chareleston Avenue on the south and Bonneville Avenue on the north. Internal illumination increases pedestrian safety in the evening and late night hours.

## Featured Project



### Mission Point Resort, Mackinac Island, MI

Design: Progressive|AE  
Developer: Mission Point Resort  
Sales: Penchura

Part of Mission Point Resort's renovation of its outdoor promenade is this 60' square steel and fabric pavilion. Overlooking the Straits of Mackinac, it provides protected space for outdoor activities and events.



Craftsman Series™ Squares

Sizes available: Between 10’ and 60’  
Roof Pitch: 6/12; optional roof pitches between 3/12 and 12/12  
Roof Decks: Multi-Rib, Mega-Rib, Standing Seam, 2x6 T&G  
Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles



01



03



02



04

- 01 CQ30M-P6, Superior, CO, Ref. No. 5003
- 02 CQ14TS-P6, Orlando, FL, Ref. No. 4086
- 03 CQ20S-P6, Omaha, NE, Ref. No. 2930
- 04 CQ34T2C-P6, Burlington, ON, Ref. No. 5195
- 05 CQ14TM-P6, Oakville, ON, Ref. No. 3030.



Craftsman Series™ Shelters

ICON designed the Craftsman Series™ in response to a request made by a landscape architecture firm in Southern California for a line of shelters that would fit into a neighborhood filled with homes built in the early decades of the 20th century.



05



01

Craftsman Series™ Hexagons

Sizes available: Any size up to 72’  
Roof Pitch: 6/12; optional pitches between 3/12 and 12/12  
Roof Decks: Multi-Rib, Mega-Rib, Standing Seam, 2x6 T&G  
Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles

- 01 CX30TM2C-P5, Champaign, IL, Ref. No. 5335
- 02 CX24TS-P5, Sunrise, FL, Ref. No. 2253
- 03 CX30TS-P5, Kershaw, SC, Ref. No. 5478
- 04 CX17M-P5, Maple Shade, NJ, Ref. No. 3833
- 05 CX32M-P5, Orlando, FL, Ref. No. 4581



02



03



05



04



Craftsman Series™ Octagons

Sizes available: Any size up to 72’  
Roof Pitch: 6/12; optional pitches between 3/12 and 12/12  
Roof Decks: Multi-Rib, Mega-Rib, Standing Seam, 2x6 T&G  
Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles



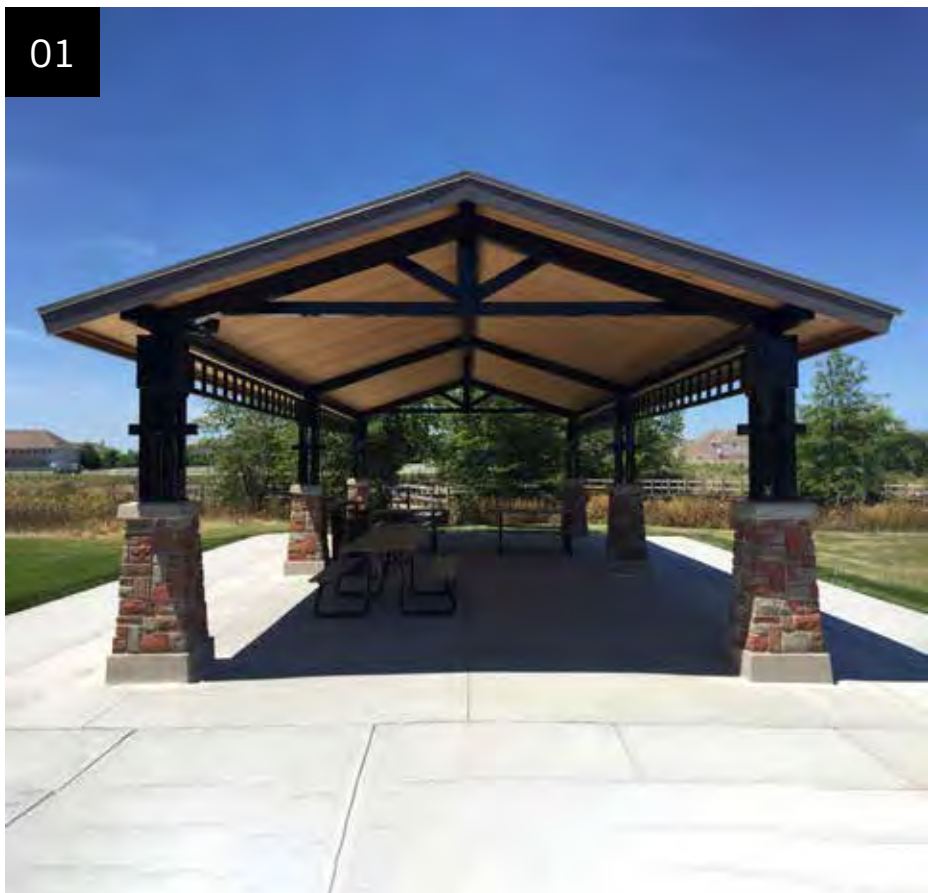
ICON Originals



- 01 CC38S2C-P4, Lancaster, CA, Ref. No. 3081
- 02 CC60TM2C-P4, Whitehouse, OH, Ref. No. 4810
- 03 CC34M2C-P4, Brick, NJ, Ref. No. 2552
- 04 CC40-10M2C-P4, Mississauga, ON, Ref. No. 3231

# Craftsman Series™ Gables

Sizes available: Any size up to 52'  
Roof Pitch: 4/12; optional pitches between 3/12 and 12/12  
Roof Decks: Multi-Rib, Mega-Rib, Standing Seam, 2x6 T&G  
Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles



**01** CG20X40TS-P4, Tinley Park, IL, Ref. No. 4404  
**02** CG24X44TM-P5, Darien, IL, Ref. No. 5383  
**03** CG26X45T-P4, Easthampton Twp, NJ, Ref. No. 4527  
**04** CG16X30TH-P4, San Diego, CA, Ref. No. 4265



# CRAFTSMAN SERIES

ICON Originals



**04**

01



Craftsman Series™ Barrel Vault

Sizes available: 12’ - 52’ in 3’ increments  
Roof decks: Mega-Rib, 2x6 T&G  
Standard Bay Size: 20’-0”  
Roof radius: Minimum 10’-0”

- 01 CV20X30G, Hobbs, NM Ref. No. 3169
- 02 Craftsman Dutch Hip with CC4 Columns
- 03 Craftsman Dutch Hip with CC2 Columns

ICON Originals

02



03



Craftsman Series™ Dutch Hip

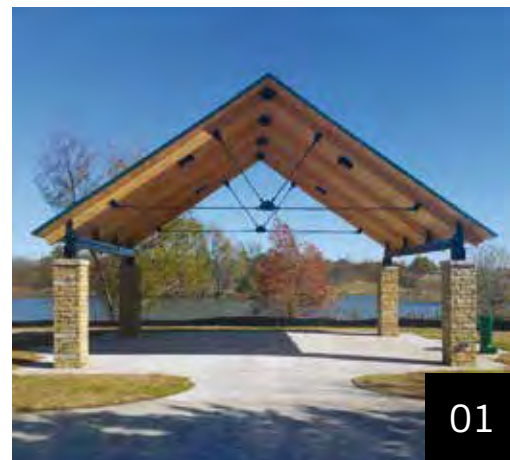
Sizes available: 12’ - 52’ in 1’ increments  
Roof decks: Mult-Rib, Mega-Rib, Standing  
Seam, T&G  
Standard Bay Size: 20’-0”  
Roof pitch: 4/12



## IRONWORKS™ Gables

IRONWORKS retro-industrial shelters and furnishings take their cue from early 20th century railroad bridges and train stations. Hidden fasteners can sometimes be over-rated, and in IRONWORKS structures they are part of the design.

IRONWORKS features : I-Beam columns with rivet plates • Architectural grade Southern Yellow Pine glu-lam rafters • 2X6 Southern Yellow Pine T&G roof deck • Rod & clevis ties or arched crossbracing • Stainless steel fasteners



01



02



03



04

**01** IRG35X25TS-P8, Rockwall, TX, Ref. No. 5070. **02** IRG20X20TM-P10, Webster Grove, MO, Ref. No. 5536. **03** IRG20X24TM-P8, Bellevue, WA, Ref. No. 5417. **04** IRG 20X30TM-P10, Charlotte, NC, Ref. No. 4377. **05** IRG20X24TM-P8, Bellevue, WA, Ref. No. 5417.



05

IRG20X20 IRG20X34 IRG28X34 IRG32X34 IRG36X50 IRG40X50



# IRONWORKS

## ICON Originals

01



02



03



### IRONWORKS™ Alternate Designs

IRONWORKS alternate designs available in many sizes

- 01 IRONWORKS™ Two-Story Gable Shelter
- 02 IRONWORKS™ Two-column Monoslope Shelter
- 03 IRONWORKS™ Two-Column Gable Transit Shelter

### IRONWORKS™ Furnishings

IRONWORKS furnishings were designed to compliment the shelters with I-beams or open channel framing and heavy wood

- 04 IRONWORKS™ 6' diameter 42" high Bar with center Fire Pit and Bar Stools
- 05 IRONWORKS™ Coffee Table with 6' Bench

04



05



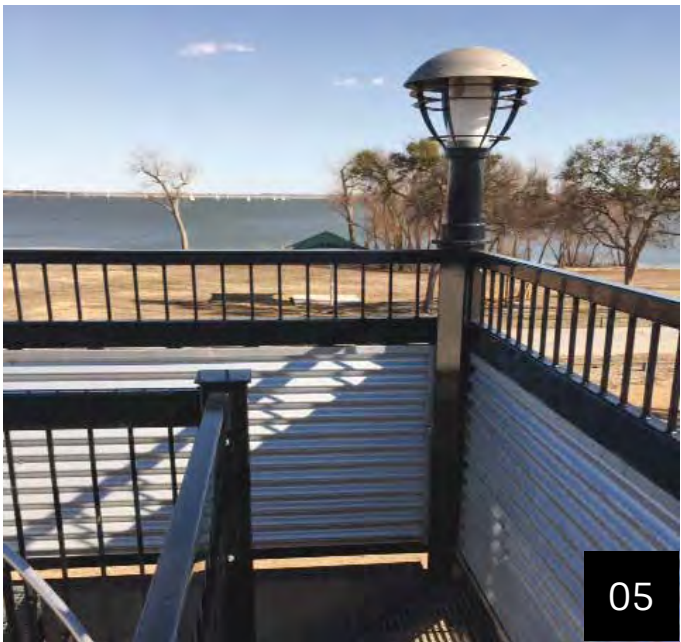
# Vista Series™ Shelters with a View

The Vista Series™ Shelters offer shade with an elevated view. Upper levels on the larger



Sizes available:   Squares 22’ - 60’  
                           Hexagons 26’ - 72’  
                           Octagons: 26’ - 72’  
                           Rect. Gables: 22’ - 50’  
                           Rect. Hips: 22’ - 50’

Roof decks: Mega-Rib, 2x6 T&G  
 Floor decks: 2X6 Treated, Galv. substrate  
 (for poured concrete by others)  
 Standard Bay Size (rectangular): 20’-0”



- 01 VP10X18, design only, Holland, MI
- 02 VP10X18, design only, Holland, MI
- 03 VP10X18, design only, Holland, MI
- 04 VQ22M-P8, Grapevine, TX, Ref. No. 3749
- 05 VQ22M-P8, Grapevine, TX, Ref. No. 3749
- 06 Illustration with ADA compliant walkway

01



## LiveShade™ Green Roof Shelters

Industry Standard shelters with green roof. Squares, hexagons, octagons, barrel vaults, gabled rectangles and hipped rectangles are engineered to carry the weight of a trayed plant system.

All plant materials supplied are chosen for the location of the project.

## ICON Originals

02



03



04



01 LX30TU2C-P5, Cicero, IL Ref. No. 4812

02 LG20X20TS2C-P4, Oakbrook Terrace, IL Ref. No. 3691

03 LV20X20QU, Lisle, IL Ref. No. 3235

04 LG24X36QU-P5, Genoa, IL Ref. No. 3284



# ICON Swings!

These swing structures feature limited motion swings in all-steel or steel with wood inserts. The hinge restricts the forward to back motion to about 3’ over all, and side-to-side movement is negligible. They are designed to be placed along trails and walkways but can be used anywhere seating is appropriate.

Besides these four models, ICON Swings! can be installed on most types of shelter structures.



- 01** The Vee Beam Swing measures 8’ X 9’, has two Vee columns, glue-lam timber slats and a steel swing
- 02** The Gable Swing is an SG6X8M-P4 with a steel swing
- 03** The ICON Rio Swing measures 15’ X 8’, has a steel frame with IPE cladding, and a steel/IPE swing
- 04** The Kokomo Swing measures 18’ X 10’ in two bays, has an inverted curved roof and two steel swings



Trail Series™ Shelters

Trail Series™ shelters are designed as a low cost solution for trails and walkways.



01 Trail Series™ Gable Shelters. 02 Trail Series™ Single-Post Square Shelters. 03 Trail Series™ Square Shelters.. 04 Trail Series™ Mono-slope Shelters.. 05 Options for two-column Trail Series™ Shelters 06 TSG8Y-P4, Ref. No. 3722 .





01



02



04



03



05



06



07



08



09

# ICON Originals

## American Dreamfield™ Athletic Field Structures

- 01 MC30.5X83M-P3, Round Rock, TX, Ref. No. 4814
- 02 MT29X106M-P3, Round Rock, TX, Ref. No. 2656
- 03 MC9X84S-P2, St. Louis, MO, Ref. No. 3447
- 04 MP24X50M-P3, Ft Myers, FL, Ref. No. 2206
- 05 MC12X35M-P2, Kearney, NE, Ref. No. 4924
- 06 MP8X30TM-P3, Round Rock, TX, Ref. No. 2061
- 07 MC10X34M-P3, Glendale Heights, IL, Ref. No. 2750
- 08 SQ24TS2C-P8, Holland, MI, Ref. No. 1824
- 09 SQ12M-P4, Round Rock, TX, Ref. No. 2062
- 10 AR12.5X50.5K, Round Rock, TX, Ref. No. 4819
- 11 SQ12M-P4, Round Rock, TX, Ref. No. 4817



10



11

# AMERICAN DREAMFIELD

## Athletic Field Structures for Schools, Municipalities and Clubs

En Route™ Passenger Waiting Shelters

Custom terminal and passenger waiting shelters for transit systems



- 01 UB8X16G, Glendale, CO, Ref. No. 3338
- 02 US7X12G, Culowhee, NC, Ref. No. 2661
- 03 RG9X20PS-P19, Kansas City, MO, Ref. No. 2400
- 04 HX23S3C-P8, Canby, OR, Ref. No. 1890
- 05 RG20X44PS-P19, Kansas City, MO, Ref. No. 2401
- 06 UG5X9S-P12, Black Hawk, CO, Ref. No. 2352
- 07 BV5X15, Paola, KS, Ref. No. 4045

01



## ICON Ride™ Cycling Shelters

Shelters, enclosed structures and accessories for the cycling enthusiast



- 01 RH11X40M2C-P4, Chicago, IL Ref. No. 4308
- 02 SG15.5X37.8M-P4, Clovis, CA Ref. No. 4251
- 03 Bicycle Garage & Waiting Shelter, Ref. No. F0007
- 04 Horizontal Bike Rack, Ref. No. F0020

## ICON Originals

02



03



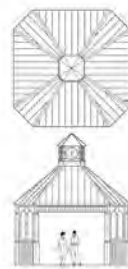
04



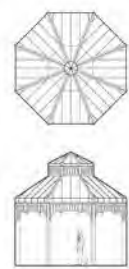
# ICON Original Gazebos

These gazebo designs came from ICON designers when the company first started. The Newport was ICON’s very first shelter designed for a trade show exhibit. The Mystic was based on a 100 year-old gazebo in Mystic, Connecticut.

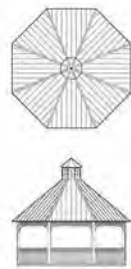
- 01 NP18M-P10, Orland Park, IL, Ref. No. 2300
- 02 CY16S-P6/8, Ottawa, ON, Ref. No.2821
- 03 CM20M-P10, Union, KY, Ref. No. 2396
- 04 MY24T-P4/10, Myrtle Beach, SC, Ref. No. 2302



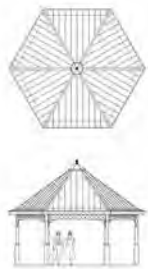
**Newport Gazebo**  
Sizes available: 12’ - 36’  
Roof Pitch: 10/12 or 8/12  
Roof: Multi-Rib, Mega-Rib,  
Standing Seam, 2x6 T&G



**Courtyard Gazebo**  
Sizes available: 16’ - 60’  
Roof Pitch: 8/12 & 6/12  
Roof: Multi-Rib, Mega-Rib,  
Standing Seam, 2x6 T&G



**Camden Gazebo**  
Sizes available: 12’ - 36’  
Roof Pitch: 10/12 or 8/12  
Roof: Multi-Rib, Mega-Rib,  
Standing Seam, 2x6 T&G



**Mystic Gazebo**  
Sizes available: 16’ - 48’  
Roof Pitch: 8/12 & 6/12  
Roof: Multi-Rib, Mega-Rib,  
Standing Seam, 2x6 T&G

Squares

Sizes available: 12’ to 60’  
Roof pitch: 6/12; optional pitches between 4/12 and 12/12  
Roof decks: Multi-Rib, Mega-Rib, Standing Seam, 2x6 T&G  
Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles



01 SQ20M-P6, Mapleton, Co, Ref. No.4326  
02 SQ30M-P6, Arvada, CO, Ref. No. 5010  
03 SQ24G-P6, Phoenix, AZ, Ref. No. 5208

Industry Standards



Industry Standards

These shelter structures are commonly found in the pre-engineered, manufactured shelter industry. ICON began offering these shelters in one foot increments back when other manufacturers had standard sizes in four foot increments with added costs for producing an off-sized shelter.

As with most ICON structures, you can have any size you want up to the largest size offered for the given shelter type.

## Hexagons

Sizes available: 12' to 60'

Roof pitch: 6/12 with optional roof pitches between 4/12 and 12/12

Roof decks: Multi-Rib, Mega-Rib, Standing Seam, 2x6 T&G

Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles



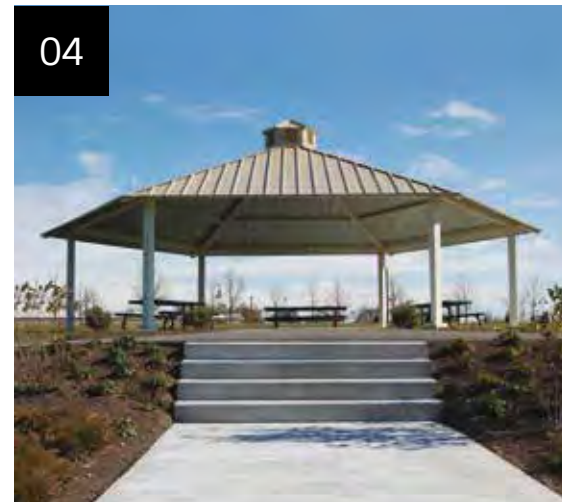
01



02



03



04

**01** HX39S-P4, Tulare, CA, Ref. No. 2807. **02** HX31TM2C-P8, Decatur, IL, Ref. No. 2810. **03** HX27M-P4, Omaha, NE, Ref. No. 1800. **04** HX40M-P5, Round Lake Beach, IL, Ref. No. 2673. **05** HX27M2C-P8, Estero, FL, Ref. No. 1762

## Industry Standards



05

01



## Octagons

Sizes available: 16' - 72'

Roof pitch: 6/12 with optional pitches between 3/12 and 12/12

Roof decks: Mega-Rib, Multi-Rib, Standing Seam, 2x6 T&G

Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles

**01** OC36T2C-P6, South El Monte, CA Ref. No. 3413

**02** OC16TM-P8, Spokane, WA, Ref. No. 4612

**03** OC24M2C-P6, St. Johns, NF, Ref. No. 4739

**04** OC20TM-P6, New Lenox, IL, Ref. No. 2390

## Industry Standards

02



03



04





01

- 01** GP30X34T-P8, Marion, IA Ref. No. 5854
- 02** GP34.8X34.8S-P4, Brampton, ON, Ref. No. 4742
- 03** RG15X20-9M-P12, Burt Lake, MI, Ref. No. 3313
- 04** RG30X84-9TM-P4, Caledonia, MI, Ref. No. 6095
- 05** RG32X44-10TS-P6, Portage, MI, Ref. No.5539

## Industry Standards



02



04



03



05

### Gabled Rectangles

Sizes available: 16' - 72'  
 Standard bay spacing: 20'-0"  
 Roof pitch: 4/12; optional pitches between 5/12 and 12/12  
 Roof decks: Mega-Rib, Multi-Rib, Standing Seam, 2x6 T&G  
 Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles

Hipped Rectangles

Sizes available: 16' - 72'  
Standard bay spacing: 20'-0"  
Roof pitch: 4/12; optional pitches between 5/12 and 12/12  
Roof decks: Mega-Rib, Multi-Rib, Standing Seam, 2x6 T&G  
Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles



01

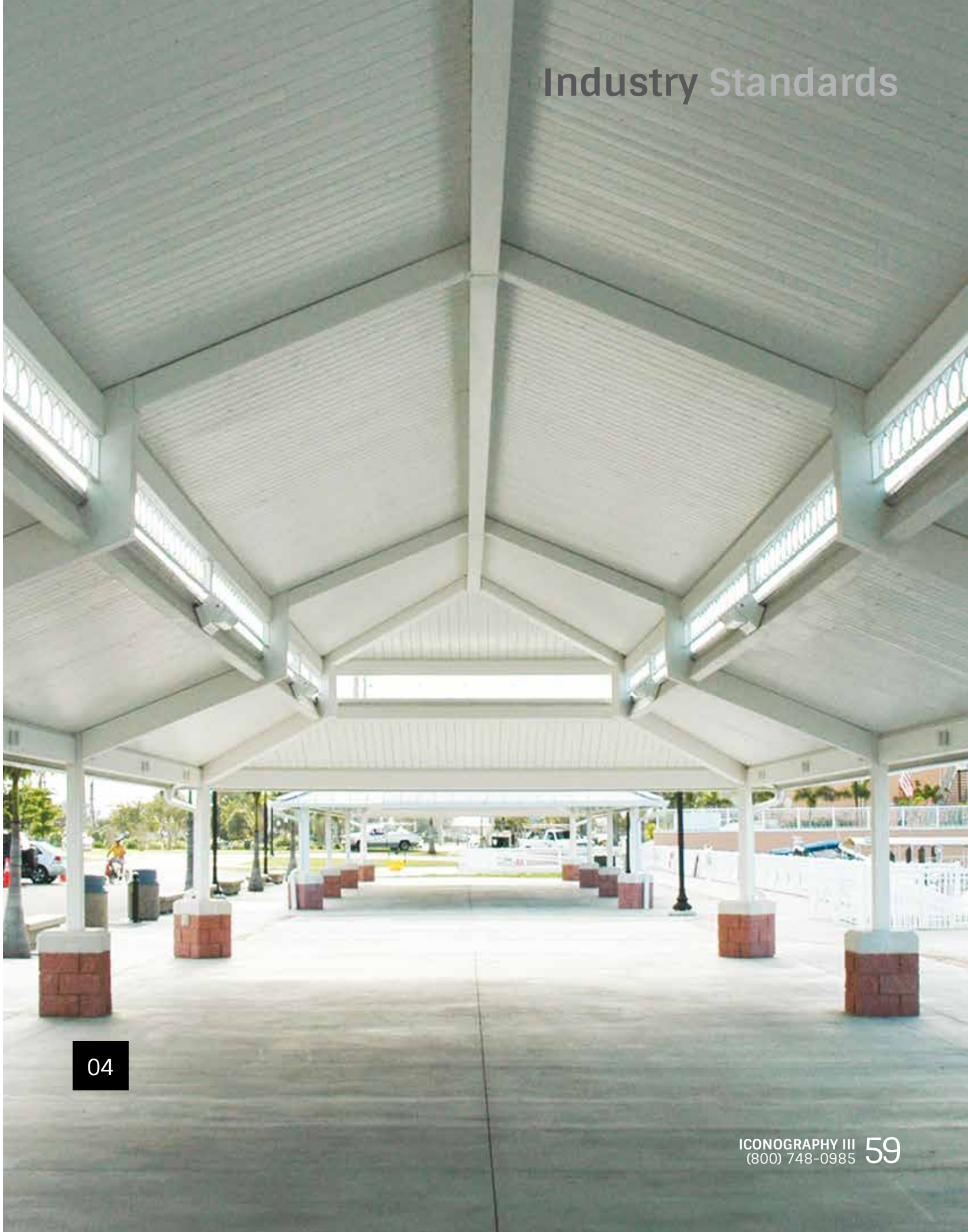


02



03

01 RH23X43M-P4, Port Charlotte, FL, Ref. No. 6237  
02 RH20X24M-P4, Tuscon, AZ, Ref. No. 4731  
03 RH20X40M-P4, Colorado Springs, CO, Ref. No. 4094  
04 RH30X84TS2C-P5, Punta Gorda, FL, Ref. No. 2770



04

## Barrel Vaults

Sizes available: 16' - 52' in 3' increments  
 Standard bay spacing: 20'-0"  
 Standard roof radius: 10'-0"  
 Roof decks: Mega-Rib, 2x6 T&G



01



03



02



04

**01** BV25X36G, Albuquerque, NM, Ref. No. 2431. **02** BV30X60G2C, Jenks, OK, Ref. No. 2001. **03** BV10X12G, Mt. Pleasant, MI, Ref. No. 4768. **04** BV20X21G, Henderson, NV, Ref. No. 4291. **05** V18X39G, Elk Grove, CA, Ref. No. 5240



05

01



Intervals

Sizes available: 12’ – 40’  
Roof pitch: 8/12 to 12/12  
Roof decks: Mega-Rib, Multi-Rib, Standing Seam, 2x6 T&G  
Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles

- 01 IN29X29M-P12, Ref. No. 4090
- 02 IN34X48M-P12, Corona, CA, Ref. No. 3455
- 03 IN16X28S-P10, Brownsburg, IN, Ref. No. 4595
- 04 IN18X18T-P10, Lucerne, CA, Ref. No. 3357

Industry Standards

02



03



04





01



02

**01** SX30X44PS2C-P5, Wichita, KS, Ref. No. 3443  
**02** SX30X44TA2C-P5, Omaha, NE, Ref. No. 3724

## Stretched Shelters

Sizes available: 16' - 72'  
 Standard bay spacing: 20'-0"  
 Roof pitch: 4/12; optional pitches 5/12 to 12/12  
 Roof decks: Mega-Rib, Multi-Rib, Standing Seam, 2x6 T&G  
 Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles

## Industry Standards



01



02



03



04

## Dual-Slope Shelters

Sizes available: 16' - 72'  
 Standard bay spacing: 20'-0"  
 Roof pitch: 4/12; optional pitches 5/12 to 12/12  
 Roof decks: Mega-Rib, Multi-Rib, Standing Seam, 2x6 T&G  
 Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles

**01** DS20X20M-P64, Omaha, NE, Ref. No. 1799. **02** DS20X20M-P64, Aurora, CO Ref. No. 5268  
**03** DS30X34M-P108, Boise, ID, Ref. No. 4533. **04** SG14X12M-P53, Venice, FL, Ref. No. 4653

## Decagons and Dodecagons

Sizes available: 40' - 108'

Roof pitch: 6/12; optional pitches between 5/12 and 12/12

Roof decks: Mega-Rib, Multi-Rib, Standing Seam, 2x6 T&G

Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles



01 D065M2C-P6, Santa Clara, CA, Ref. No. 2048  
02 DE85-12P-P6, Cleveland, OH, Ref. No. 4108  
03 D049M2C-P6, Westfield, MA, Ref. No. 2032  
04 D0100P2C-P5, Brookfield, IL Ref. No. 2097

01



02



03



04

## Mono-slopes

Sizes available: 16' - 52' in 3' increments

Maximum bay spacing: 20'-0"

Roof pitch: 4/12; optional pitches 3/12 to 8/12

Minimum roof radius (curved roof): 10'-0"

Roof decks-flat roof: Multi-Rib, Mega-Rib, Standing Seam, 2x6 T&G

Roof deck-curved roof: Mega-Rib



01



03



02



04

01 MP32X40-9TM-P2, Oakville, ON, Ref. No. 6238

02 MC15X22M-P3, El Paso, TX, Ref. No. 4177

03 MP12X12TM-P2, Orland Park, IL, Ref. No. 5622

04 MP22X32M-P2.5, Beverly Hills, MI, Ref. No. 3089

05 BV7X13.5-P5, Rancho Cordova, Ref. No. 5633



05

01



## Mini-Shelters

Sizes available: 8' - 12'

Roof pitch: 4/12; optional pitches 5/12 to 12/12

Roof decks: Mega-Rib, Multi-Rib, Standing Seam, 2x6 T&G

Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles

## Industry Standards

02



03



01 SH12M-P6, Clayton, CA Ref. No. 2676

02 SG10M-P4, Cape Coral, FL Ref. No. 1989

03 SG12M-P4, Carmel, ME Ref. No. 1766

Band Shells

Sizes available: 20’ to 70’  
Roof Pitch: roof pitches vary between 3/12 and 12/12; curved roofs  
Roof Decks: Multi-Rib, Mega-Rib, Standing Seam, 2x6 T&G  
Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles



01



03



02



04



05



06



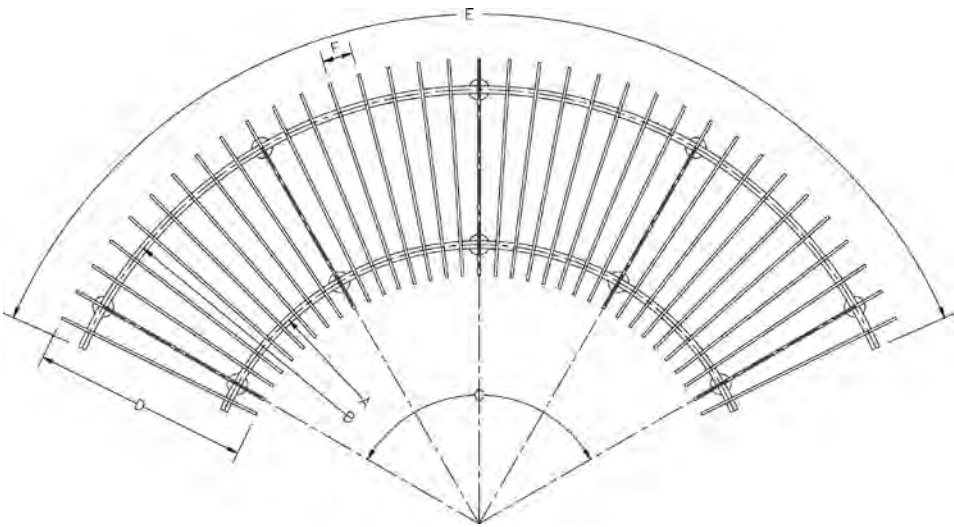
07

01 RG30X25PM-P4, Ottawa, ON, Ref. No. 4302. 02 TBV40X27-10TG, Naperville, IL, Ref. No. 6287  
03 BX48TM-P5, Caledonia, MI, Ref. No. 6094. 04 TBV40X27-10TG, Naperville, IL, Ref. No. 6287  
05 BV32X32TG-P4, Hewitt, TX, Ref. No. 4515. 06 BV70X52.5TG-P5, Celina, OH, Ref. No. 5639.  
07 Custom Band Shell, San Diego, CA, Ref. No. 4702 (Design Copyright©2016 Schmidt Design Group)

Partial Shade/Arbors

Beyond your basic garden arbor. These structures can be all steel, all wood, or combination of both. Fabric shades can be integratea d into the design as well.

- 01 AS22X63-12K, Madera, CA, Ref. No. 6143
- 02 AT12X80K, East Lansing, MI, Ref. No. 5068
- 03 AR14X54K, Markham, ON, Ref. No. 4530
- 04 AC28X34K2C, Oackdale, CA, Ref. No. 5215



When specifying a curved arbor, please provide the dimensions shown in the illustration at left. The radii are the layout arcs of the columns.

- A. Front column layout
- B. Rear column layout
- C. Layout angle
- D.Length of slats
- E. Longest arc length
- F. Slat spacing

Partial Shade/Solumbra

Unique shadows are cast onto the pavement below the Solumbra™ shelter. The roof panels are custom designed, laser-cut and powder coated for attachment to any shelter.



- 01 FAS 12X40Z, Piscataway Twp, NJ, Ref No. 6400.
- 02 AC14X37.5K, Orland Park, IL, Ref. No. 5623.
- 03 AR6.66X44.5-8.5K, Ft. Collins, CO, Ref. No. 6108.
- 04 MC12X22Z, Orland Park, IL, Ref. No. 5625.

Other Structures



Entry Arches

Sizes available: 8' to 30'  
Arch pitch: Flat to 12/12  
Options and accessories: Curved arches, laser-cut medallions, color vinyl medallions, custom laser-cut arches, laser-cut lettering, custom shapes and sizes



01 EA11, Williams, CA, Ref. No. 2746. 02 RG10.5X22TA-P4, Lindenhurst, IL, Ref. No. 4368. 03 EA10, Orland Park, IL, Ref. No. 2301 04 EA10-P12, Elizabeth, NJ, Ref. No. 5114. 05 EA27-13-P0, Tracy, CA, Ref. No. 4970. 06 EA12, Glenview, IL, Ref. No. 4782. 07 Entry Portal, Erie, CO, Ref. No. 5302.

Other Structures





**Pedestrian Bridges**

Girder Bridges and Truss Bridges are available in widths from 4’ to 8’ wide, and lengths up to 60’ in length. Handrails for girder bridges can be selected from the options on page 103.

**Other Structures**

02



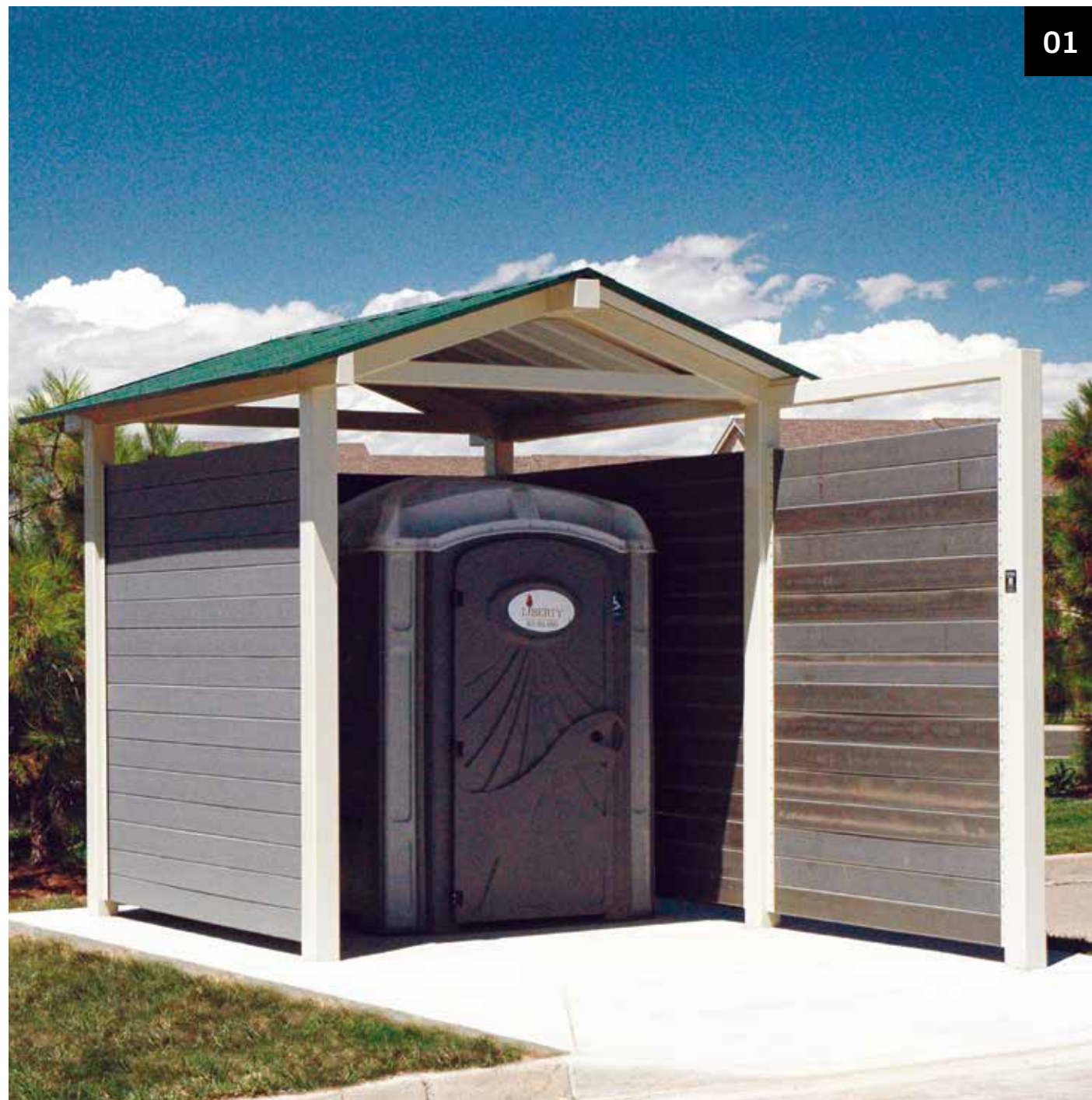
03



04



- 01 BR6X30, Sacramento, CA, Ref. No. 2481
- 02 BR4X16, Storm Lake, IA, Ref. No. 2120
- 03 BG4X25, Porter, TX, Ref. No. 2838
- 04 BR8X50, Washington, UT, Ref. No. 2415



## Porta-Potty Enclosures

Sizes available: 16' - 72'  
 Standard bay spacing: 20'-0"  
 Roof pitch: 4/12 with optional roof pitches 5/12 to 12/12  
 Roof decks: Mega-Rib, Multi-Rib, Standing Seam, 2x6 T&G  
 Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles



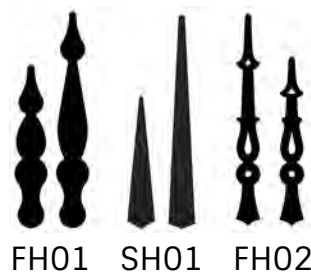
## Mailbox Shelters

Sizes available: 16' - 72'  
 Standard bay spacing: 20'-0"  
 Roof pitch: 4/12 with optional roof pitches 5/12 to 12/12  
 Roof decks: Mega-Rib, Multi-Rib, Standing Seam, 2x6 T&G  
 Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles

## Other Structures



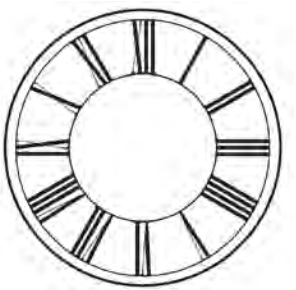
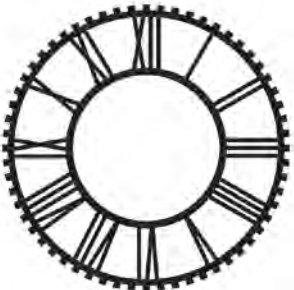
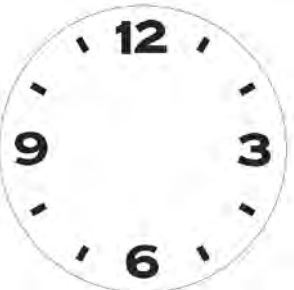
- |  |               |
|--|---------------|
| <b>01</b> RG10X10M-P4, Wildgrass, CO,    | Ref. No. 4660 |
| <b>02</b> SQ30TM-P4, West Fargo, ND,     | Ref. No. 4043 |
| <b>03</b> RG30X44S2C-P4, Buda, TX,       | Ref. No. 3336 |
| <b>04</b> RH14X24T-P4, Myrtle Beach, NC, | Ref. No. 2669 |
| <b>05</b> RG8X8M-P9, Havelock, NC,       | Ref. No. 2997 |



Public Time

Clock sizes: 24", 30", 36", 42", 48", 60", 72"  
Illumination: Back-lit or non-illuminated  
Time control: Automatic synchronization with or without GPS control  
Power: 120V/220V AC or 7-year Lithium Battery (for non-illuminated clocks only)

- 01 TH7M-P12, Oakwood, GA, Ref. No. 2241.
- 02 PC4 with 4 clocks.
- 03 TH8S2C-P4, Piscataway NJ, Ref. No. 2510.
- 04 PC3 with double-sided clock
- 05 TH8-19S-P8, Tracy, CA, Ref. No. 4965.
- 06 TH5-10M-P8, Portage, MI Ref. No. 5821.
- 07 TH12Z-P10, Wheeling, IL, Ref. No. 3812.





Umbrella Shelters

Sizes available: 16’ – 52’ in 3’ increments  
Standard bay spacing: 20’-0”  
Standard roof radius: 10’-0’  
Roof decks: Mega-Rib

Message Shelters

Sizes available: 16’ – 52’ in 3’ increments  
Standard bay spacing: 20’-0”  
Standard roof radius: 10’-0’  
Roof decks: Mega-Rib, Multi-Rib, Standing Seam, 2x6 T&G  
Additional roofing: Fiberglass Shingles or Sawn Cedar Shingles



**01** UM16TM-P6, Paris, ON, Ref. No. 4735. **02** RH5X10S-P4, Santee, CA, Ref. No. 4485. **03** TO5.6T-P6, Grand Haven, MI, Ref. No. 3401. **04** SG6X9T-P6, Grand Haven, MI, Ref. No. 3294. **05** Sign Display, Brick, NJ, Ref. No. 3852.

01



Fabric Shades

ICON produces standard rectangular, square hexagonal and octagonal fabric shelters, shade sails, and custom structures using a combination of materials to achieve the design intent.

Other Structures

02



03



04



- 01 HX71 Fabric Share, San Jose, CA Ref. No. 5915
- 02 CUS22X33Z, Aurora, CO, Ref. No. 5094
- 03 Fabric Shelter, Paola, KS, Ref. No. 5711
- 04 SQ60Z2C-P4, Mackinac Island, MI, Ref. No. 6502

# Engineered Wood Structures by ICON

ICON offers a full line of traditional and custom wood structures. A variety of standard shelter types and sizes can be fabricated, or a custom structure can be designed to meet the project specification. The framing members are glue-laminated Southern Yellow Pine, and the roof decks are kiln-dried 2x6 Southern Yellow Pine planking. Connection plates are E-coated and powder coated HRF steel, and the fasteners are either galvanized or stainless steel.

- Low-Pitch Beam Gables
- Timber Truss Shelters
- Solid Arch Shelters
- Open Arch Shelters
- Post and Beam Shelters
- Amphitheater Shelters
- Enclosed Structures
- Pedestrian Bridges
- Custom structures



Custom Connection Plates

- 01** WRG30X70TM-P4, Simpsonville, KY, Ref. No. W0014
- 02** WLP14X20TA-P3-WB-W, McFarland, WI, Ref. No. W0003
- 03** WRH30X44T-P3, Liverpool, NY, Ref. No. W0012
- 04** WBS24TM-P6-WB, Bismarck, ND, Ref. No. W0010
- 05** WDS24X36TM-P64, Sharon, MA, Ref. No. W0035
- 06** WDS15X20TA-P68, Aurora, IL, Ref. No. W0001
- 07** WHO46TA-P6, Auburn Hills, MI, Ref. No. W0025
- 08** WRG30X70TM-P4, Eminence, KY, Ref. No. W0021
- 09** WRG20X20TA-P3, Urbandale, IA, Ref. No. 4866



01



## Enclosed Buildings

Walls are laminated Red Cedar milled timbers that screw together much like a conventional milled log home. These timbers are very stable and less likely to twist than the solid white cedar timbers offered by our competitor. Additional materials and fixture packages are available.

01 WRG60X132, Hanover, NJ Ref. No. W0013

02 Restroom wall construction, Beaufort, SC, Ref. No. W0027

03 WTG20X20-10TM-P6, Beaufort, SC, Ref. No. W0027

04 Single restroom interior prototype

Recreation Centers  
Restrooms/Concessions  
Lodges  
Park Activity Buildings  
Golf Course Clubhouses  
Maintenance Buildings  
Storage Buildings  
Warming Huts  
Offices  
Nature Centers  
Campgrounds



02

## EWS Wood Structures

03



04

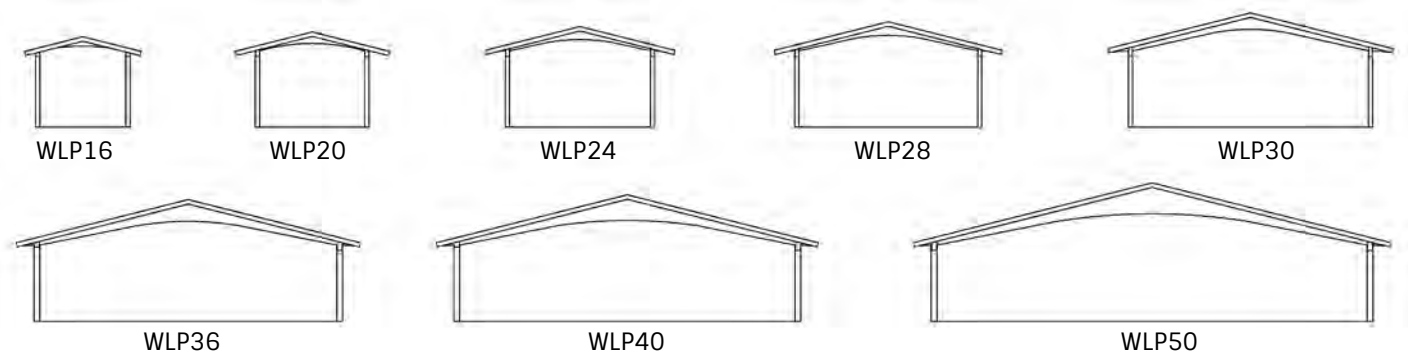


# Low-Pitch Laminated Curved Beam Shelters

One piece laminated wood beams span from column-to-column. Columns can be treated Southern Yellow Pine (SYP), Alaskan Yellow Cedar or tube steel.

Bay spacings are maximum of 8'-0" O.C., but adjustable for custom sizes and/or roof load requirements. The standard roof pitch is 3/12. Alternate pitches are also available. Eave overhangs are 24" all around the perimeter.

EWS has many standard sizes, but custom sizes are also available upon request. Special pricing may apply.



These spans are available in any length, with the maximum bay spacing of 8'. Stanard lengths given an 8' bay dimension would be 20', 28', 36', 44', 52', 60', 68', 76', 84', etc. accounting for a 24" roof overhang at the gable ends.

# Timber Truss Shelters

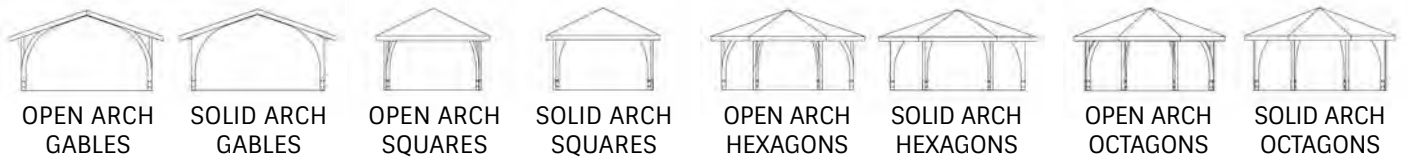
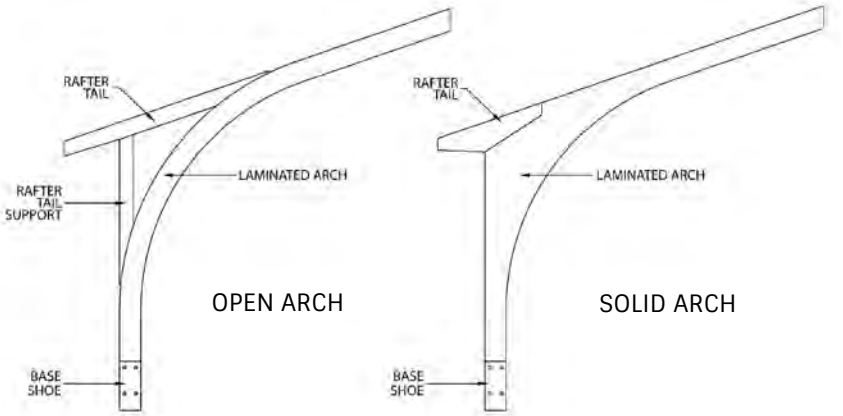
Open Timber Truss gabled shelters have heavy laminated beam trusses that are engineered and fabricat-ed at the factory. The dual-pitch version (WPD) has a 4/12 pitch on one side and a 6/12 pitch on the oppo-site side. The standard Timber Truss Shelter (WTG) has a 4/12 pitch. Both the standard and dual pitch shel-ters are available in the following sizes:

16X20, 16X28, 20X28, 20X36 , 24X28, 24X36, 24X44, 28X36, 28X44, 28X52, 34X44, 34X52, 34X60, 34X76, 44X60



# Solid and Open Arch Shelters

Two-piece laminated wood solid arches, and three-piece laminated wood open arches span from col-umn-to-compression ring on the polygonal shelters, and column-to-ridge in rectangular shelters. These Gothic-style arches are used in hexagons, octagons, squares and rectangular shelters.



# Amphitheater Shelters

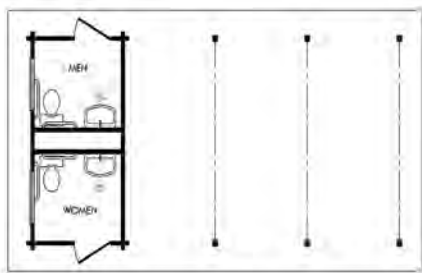
Two-piece laminated wood solid arches, and three-piece laminated wood open arches span from column-to-com-pression ring on the polygonal shelters, and column-to-ridge in rectangular shelters. These Gothic-style arches are used in half-hexagons, half-octagons and tapered rectangular bandshells.

EWS's exclusive wall system, utilizing decorative grade laminated red cedar timbers, can be added for back drops, dressing rooms, and side rooms to use for storage when not in use.

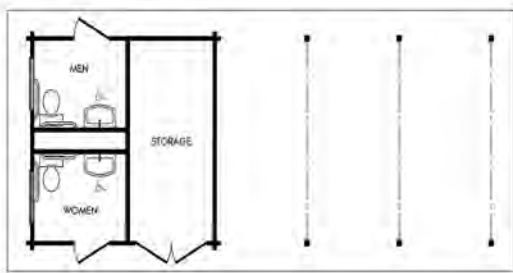


Enclosed Structures

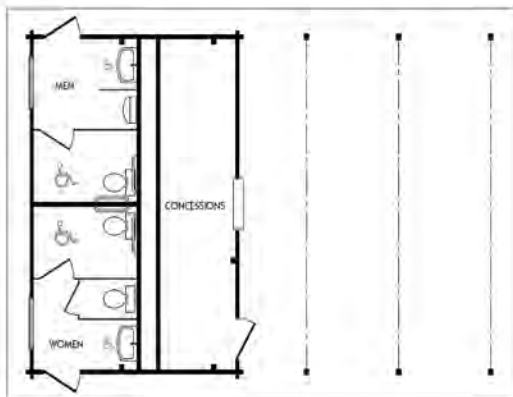
Adding walls to any EWS to enclose or partially enclose a structure can result in a number of building types. Restrooms, concession buildings, cabins, multi-use buildings, visitor centers and nature centers are some of the uses for Engineered Wood Structures with solid wood walls. Restroom plumbing and electrical fixtures are available for all packages, as well as restroom partitions, interior and exterior doors, windows, roll-up concession doors and garage doors.



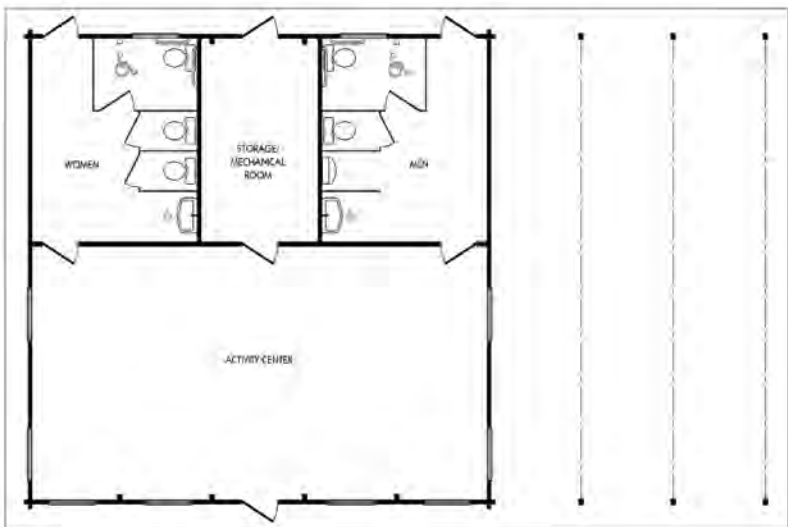
ERG20X36T-P3-W



ERG20X44T-P3-W



ERG30X44T-P3-W



ERG40X68T-P3-W

EWS Wood Structures

Post and Beam Shelters

Squares, Hexagons and Octagons are simply and economically fabricated with architectural grade glue-laminated SYP rafters, purlins and tie beams. Columns can be architectural grade treated glue-laminated SYP, Alaskan Yellow Cedar or e-coated and powder coated steel tube.

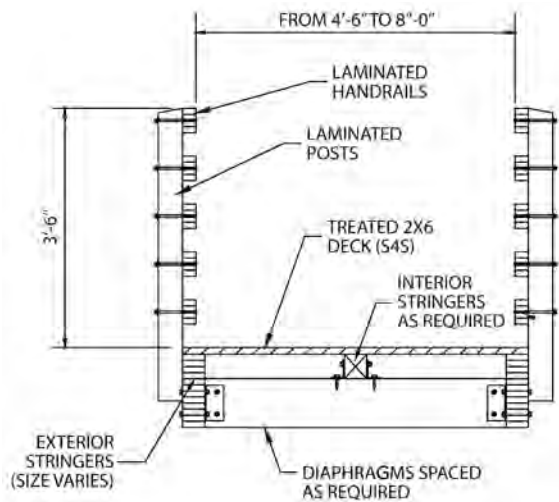
Standard roof pitch for hexagons and octagons is 3/12. Standard roof pitch for gables and squares is 4/12. Cupolas, handrails and knee braces can be added at extra cost.

Squares	Hexagons	Octagons
WBS16	WBH16	WBO20
WBS20	WBH20	WBO24
WBS24	WBH24	WBO26
WBS30	WBH30	WBO30
WBS32	WBH32	WBO34
WBS35	WBH35	WBO36
WBS36	WBH36	WBO40
WBS40	WBH40	WBO45
WBS45	WBH45	WBO60
WBS50	WBH50	



Pedestrian Bridges

Clear deck widths are available from 4'-6" to 8'-0", and spans from 10' to 80'. All laminated wood components are Southern Yellow Pine. Decking is treated 2x6 Southern Yellow Pine or recycled plastic planks. Connection plates are galvanized HRF and all fasteners are galvanized.



LEED is Leadership in Energy and Environmental Design which is based on requirements developed by the United States Green Building Council (USGBC). The USGBC developed LEED for New Construction, or LEED-NC, with the latest version being LEED v4.1 (BD&C). LEED allocates points on each of their credits; each credit is worth a minimum of 1 point and is always a whole point, no fractions of points. The points are allocated under nine topics.

Location and Transportation (LT) – Credit – Bicycle Facilities, Maximum of 1 Point.  
Location of the project such that the functional entry or bicycle storage is within a 200-yard walking distance from a bicycle network.  
**ICON has bicycle storage facilities and bike rack covers.**

Sustainable Sites (SS) – Credit – Heat Island Reduction – Nonroof and Roof, Maximum of 2 Points  
Option 1 – Provide shade from structures covered with plant material or solar panels that produce energy. Provide shade from structures that have an aged solar reflectance (SR) of at least 0.28 as measured by ANSI/CRRC S100. If there is no aged SR it must have an initial SR of at least 0.32.  
Option 2 – Place a minimum of 75% of parking spaces under cover. Roofing shall have a three-year aged SRI of 0.32 or be a vegetative green roof or be covered by solar panels that produce energy.  
**ICON has shelters that have metal roofing that meet the initial SR criteria of 0.32. ICON’s LiveS-hade shelters have roofing that is covered with green plants and ICON also has roofing materials with integrated solar panels for energy production.**

Energy and Atmosphere (EA) – Credit – Renewable Energy, Maximum of 1 to 5 points.  
Use on-site renewable energy systems to offset energy costs. Points based on percentage of total site energy use. From 2% for 1 point to 40% for 5 points.  
**ICON offers shelters with solar panels that can produce energy.**

Materials and Resources (MR) – Credit – Construction and Demolition Waste Management, Maximum of 2 Points.  
Reduction of total (construction and demolition) waste material. Must not generate more than 7.5 pounds per sq.ft. of floor area.  
**ICON’s scrap material from construction as well as the packaging materials can all be recycled and should fit into this restriction.**

Materials and Resources (MR) – Credit – Building Product Disclosure and Optimization – Sourcing of Raw Materials, Maximum of 1 Point.  
Use products that are sourced from manufacturers that meet one of the responsible sourcing and extraction criteria. One such criteria is Recycled Content.  
**Most of ICON’s materials are made from steel that uses both pre-consumer and post-consumer recycled content.**

Indoor Environmental Quality (EQ) – Prerequisite – Environmental Tobacco Smoke Control, Required  
Option 2 – Compartmentalization of Smoking Areas.  
**ICON can provide smoking shelters for employees to be able to smoke outside in a designated area.**

There are minimum characteristics that a project must possess so that it will be eligible for certification under LEED v4.1 (BD&C). ICON suggests that you contact an accredited LEED Professional. ICON does not guarantee any awarded points based on the use of this information.

Picnic Table Capacities

The data given below is an estimate of the number of tables that could fit into the shelters listed. Numbers may vary due to table placement.

RG & RH	6' Tables	8' Tables	SQ	6' Tables	8' Tables	HX	6' Tables	8' Tables
12x24	2	2	12	1	1	12	1	1
12x44	5	4	16	4	2	16	2	1
12x64	7	6	20	4	3	20	4	2
16x24	5	3	24	6	4	24	5	3
16x44	8	7	28	8	6	28	7	4
16x64	12	10	30	12	10	30	8	6
20x24	5	4	34	14	12	36	10	8
20x44	9	7	36	16	14	40	14	11
20x64	14	10	40	23	18	44	18	13
24x24	6	5	44	28	22	48	22	17
24x44	13	10	48	32	26	50	24	19
24x64	20	14	50	36	28	56	30	24
30x44	20	15	60	50	41	60	34	25
30x64	28	21	OC	6' Tables	8' Tables	66	42	32
30x84	36	27				70	46	34
30x104	44	33						
36x44	20	13						
36x64	28	19						
36x84	40	26						
36x104	48	32						
40x44	20	18						
40x64	32	25						
40x84	40	36						
40x104	48	44						
50x64	49	38						
50x84	63	49						
50x104	77	60						
50x124	80	65						

ICON Limited Warranty

ICON Shelter Systems, Inc. warrants to the original purchaser of its products that it will provide materials free from manufacturing defects, that will be structurally sound and can be assembled with normal expertise and tools required and practiced in the construction industry. The limited warranty is for a period of ten (10) years from the date of invoice with the following terms and conditions:

1. This warranty is in effect only if the structure has been assembled and installed strictly in accordance with ICON installation drawings and good construction practices, and has been subjected only to normal use and exposure. This warranty is valid only if the structures are maintained according to proper maintenance procedures; have been subjected to only normal use for the purpose for which the goods were designed; have not been subjected to addition or substitution of parts; and have not been modified, altered, or repaired without the approval Icon Shelter Systems approved representatives in any respect which, in the judgment of Icon Shelter Systems, affects the condition or operation of the structures.

2. Abnormal conditions are specifically excluded from coverage under this warranty. This includes but is not limited to the following:  
a. Conditions along or near any body of water containing salt an Ultra Durable Powder coat with E-coat in addition to spark testing is suggested and will be covered under warranty with the exception of sand blast.  
b. Conditions 1500 feet or closer to any body of water containing salt will not have warranty on any metal roof.

3. Contingent liability is specifically excluded. ICON has the option to repair or replace any defect in materials.

4. The owner shall notify ICON to arrange for an inspection within thirty (30) days after discovery of any defect under this warranty, and before any alteration or repair is made or attempted.

5. ICON is in no way responsible for damages caused by others, including: vandalism, fire, lightning or acts of God, corrosion caused by moisture, chemicals, air or salt spray, pollution, or infestation by rodents or other vermin.

6. This limited warranty shall be null and void if the owner or owner’s contractor makes any alterations in design or to the structure in the field without prior authorization (this does not mean items such as touch-up paint).

7. ICON shall not be responsible for insurance standards or code compliance changes that may be required in the future.

8. ICON shall not be responsible for delays due to missing, stolen, or non-conforming parts. Any rework of non-conforming parts must be authorized by ICON prior to the time that the rework is done.

9. Some fitting and field cutting of parts could be required and is a normal part of construction, and will not be subject to back charges or cause for rejection.

10. In the unlikely event of any type of failure, ICON reserves the right to alter the design, color, or contributing factors to rectify the condition and help prevent any future reoccurrence(s).

11. ICON specifically excludes any implied warranty of merchantability, of fitness, or of purpose, and there are no warranties, which extend beyond the description of the face hereof.

12. Under no circumstances will ICON be responsible for any consequential or incidental damages due to breach of warranty, and such damages are specifically excluded from this warranty.

13. Pre-finished metal roof surfaces, performance thereof shall be the responsibility of the metal finisher. Warranties to the customer will be handled directly by the metal finisher. ICON assumes or implies no warranties as to finish durability.

14. The structure will require field maintenance in the future to help prevent corrosion. Frequency of field maintenance will depend on (1) the severity of your weather conditions, (2) your storage procedures used before installation, and (3) the care taken by the installer so as to not scrape or scratch finish during installation. ICON Shelter Systems, Inc. assumes no responsibility for the finish and maintenance of finish applied by the contractor in the field.

15. Any Questions? Please call us at (800) 748-0985 or fax us at (616) 396-0944. You may also email us at info@iconshelters.com. Our mailing address is 1455 Lincoln Avenue, Holland, MI 49423.

Craftsman Options

I-Rock GFRC Stone Bases

ICON developed a pre-cast faux stone base to simulate stacked ledgerrock piers. Cast in two sections of glass-fiber reinforced concrete and joined together on-site, I-Rock Bases eliminate the need to have a stone mason custom build piers. See illustration below for installation.



I-Rock Base A-TT



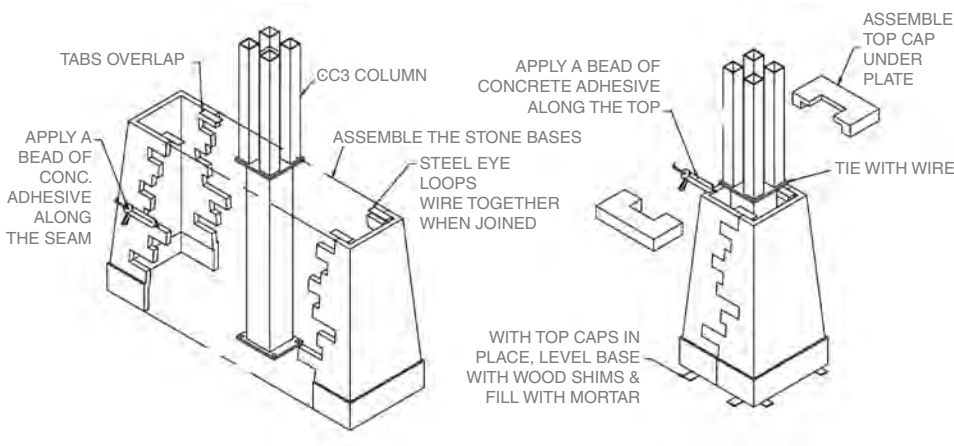
I-Rock A-TT  
Raw Sienna, Burnt  
Sienna & Ochre  
Ledgerrock Finish



I-Rock B-TT-F  
Grey with Red Iron Oxide  
Ledgerrock Finish



I-Rock C-TT  
Raw Umber, Raw Sienna  
and Grey  
Ledgerrock Finish

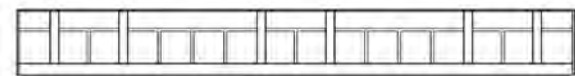


Ornamentation

Craftsman ornamental rails for eaves and clerestory



Open Pane Ornament



Simulated Leaded Glass Ornament

Peak Treatments

ICON cupolas or a finial peak cap are available to finish the peaks.



Craftsman Series™ Cupola and Finial Peak Cap

## Vented and Clerestory Roofs

Most ICON Industry Standard Shelters are available in multiple roof tier configurations. Two tiers are available on all shelters. Three tiers are available on shelters over 24'. The photos show the difference between the vented roof option and the clerestory roof option. Clerestory offers the room to install ornamental rails or louvered vent closures.



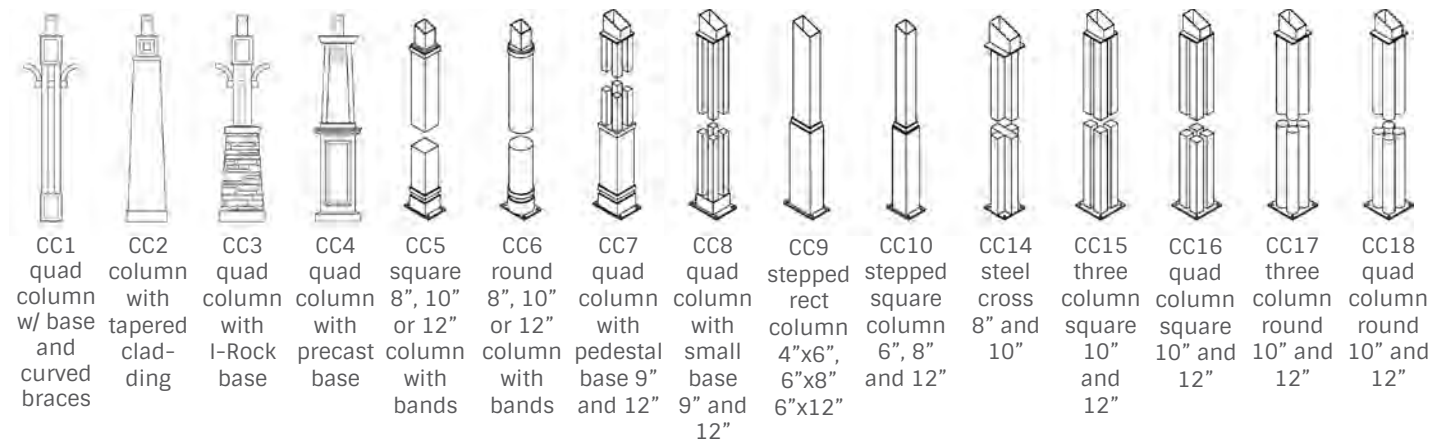
Interior view of vented roof option



Interior view of clerestory roof option

## Optional Columns

CC1 through CC4 are optional columns for Craftsman Series™ shelters. CC5 through CC18 can be used on most other structures.



## Column-to-Base Connection

Standard base connection with plate 6" below finished concrete



Optional surface mounting with base covers for an added charge



## Weathervanes

Standard weathervanes for shelter peaks, ridges and cupolas are shown below. They are available at a modest price. The large weathervane at right is a higher cost item.



## Cupolas

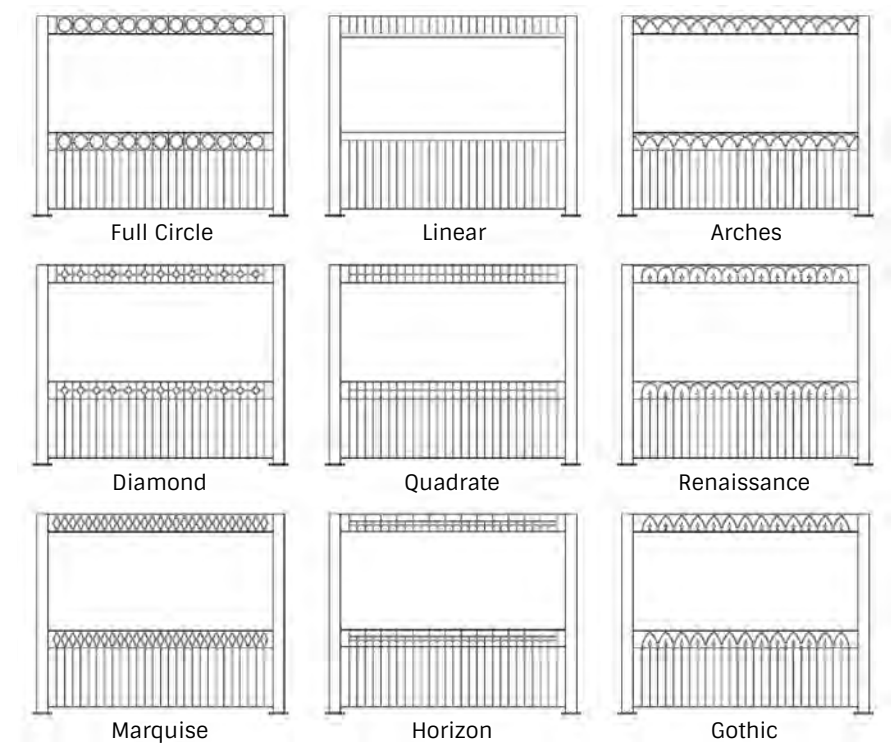
Shown is a broad sampling of cupolas available for many of the ICON shelter models. Custom sizes and styles are available. Cupolas shown for dodecagons are also available in 6 foot diameters.



## Handrails and Ornamentation

A variety of ornamental patterns are available for most ICON structures. At right are several standard designs.

ICON has produced a number of different custom railing patterns designed by others for specific projects.



## Gable Treatments

Gabled shelters offer the opportunity to mount any number of treatments to customize the structure. Some of what has been done are shown here.



King Post with spire and lower tie beam



Curved tie beam with laser-cut medallion



Rod and clevis ties

## Clocks

Clocks are an interesting item to mount on shelters, whether in a cupola or to the shelter frame.

Clock options are shown on page 88.



Clock and curved tie beam



Clock in open steel-framed cupola



Clock on enclosed custom cupola

## Emblems and Signs

ICON utilizes the services of a professional sign company to provide signage and other graphic products. These can be found as identifying signs on shelters, entrance arches and other types of structures.



Colored emblem on entry arch



Black-and-white emblem on clock tower



Free-standing 6' diameter sign

## Primary Roof Decks for Steel Frame Shelters

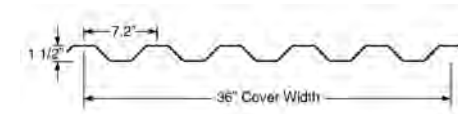


### 24 Ga. Steel Panels

24-gauge galvalume roof panels with a Kynar 500 paint finish. Multi-Rib and Mega-Rib are 36" wide panels that are pre-cut in our factory to fit your shelter. Field adjustment may be necessary for proper fit. Medallion-Lok standing seam roofing is provided uncut to be cut to fit in the field by others. Matching trim in 26 ga. galvalume and fasteners are provided.



Multi-Rib Panel Profile (M)



Mega-Rib Panel Profile (G)



Medallion-Lok Standing Seam Profile (S)



### Pre-Cut SIPs

Structural panels (SIPs) are factory-assembled, 4-5/8" thick, laminated and cut to fit on the structure. The composition is 7/16" OSB, 3-1/2" EPS foam core, and a 5/8" skin of T-111 siding.



### 2x6 Tongue and Groove

The 2x6 tongue and groove wood roof deck is Western Lodgepole Pine, kiln dried, #2 or better, one edge V'd, one edge grooved. Fascia is cedar plank. T&G requires finished roofing materials.


## 24 Ga. Steel Roof Colors



Wood Shelter Frame and Roof Decking Finishing

Wood shelter framing members and T&G wood roof decking can be factory finished in one of the stain colors shown in the chart below. We recommend a high quality stain and sealer with richly pigmented, deep penetrating linseed oil-based stains that provide long lasting beauty and wood protection.

Note: Factory finishing of wood components will increase lead times by two weeks.

					
708	Redwood SW3501	Mission Wall SW3502	White Birch SW3503	Woodridge SW3504	704 Redwood
					
911	Yankee Barn SW3505	Riverwood SW3507	Covered Bridge SW3508	Baja Beige SW3509	Foliage SW3535
					
718	Cedar Bark SW3511	Cider Mill SW3512	Spice Chest SW3513	Hawthorne SW3518	Mountain Ash SW3540
					
705	Ficus SW3520	Crossroads SW3521	Banyan Brown SW3522	Chestnut SW3524	Harbor Mist SW3541
					
716 Natural	Moss Olive SW3530	Blue Shadow SW3531	Hill Country SW3532	Leeward SW3533	Charwood SW3542

Steel Frame Finishing

The steel framing members can be factory finished in one of three ways: 1) Prime Painted, 2)



Prime Painted

Hot Dipped Galvanized

E-Coat and Powder Coat

Factory-priming protects the steel components from corrosion throughout the shipping and erection process. The steel is cleaned to remove loose mil scale, loose rust, loose paint, and other loose detrimental foreign matter. The cleaned steel will then be prime painted with quick dry, lead and chromate free alkyd primer. Finish painting in the field is required.

The hot-dip galvanizing process produces a zinc coating on steel products by immersion of the material in a bath of molten zinc metal. The steel to be coated is first cleaned to remove all oils, greases, soils, mill scale and rust. Because galvanized steel requires no maintenance for decades, its use in public construction is an efficient use of public funds.

ICON's premier steel coating is a combination of liquid epoxy primer and two coats of TGIC polyester powder coating. The process is:

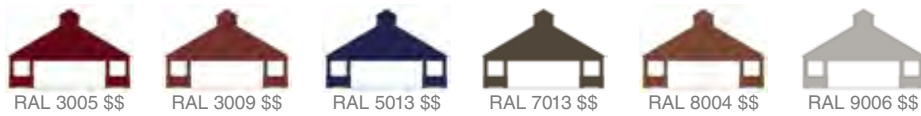
1. The steel is shot-blasted to the specification of SSPC-SP10 (shot-blasted to near white condition), removing all oil residue, mill scale, weld spatter and slag.
2. The steel is immersed in zinc phosphate in an eight stage pretreatment process.
3. It is immersed in an electrostatically applied liquid epoxy and coated to a uniform 0.7-0.9 mils. This E-coat totally encapsulates the part, preventing rusting.
4. A double coat of TGIC polyester powder is applied, one coat of color and one clear coating for a final finish that is 8-12 mils thick.

Powder Coat Colors

(Actual colors may vary from printed samples)



**RAL COLORS:** ICON can coat your shelter with powders chosen from any RAL color chart. Shown here are several RAL colors (\$\$) that have been popular on ICON projects recently. Actual colors may vary from printed samples. Please request actual color samples.



SELECTING ANY RAL COLOR (\$\$) FROM ANY CHART WILL INCUR ADDED COSTS.

# 2020 ICONOGRAPHY III

Wedding Gazebo  
IN20X20M-P12  
Greenville, Kentucky  
Ref. No. 4025

**ICON**  
Shelter Systems Inc

[www.iconsshelters.com](http://www.iconsshelters.com)  
800-748-0985