The Vizor™ is a beautiful cantilever designed shelter that is able to accommodate any bike rack system, including two-tiered models. This innovative, attractive, and functional bike shelter is a perfect addition to your facility, especially for smaller spaces.

American Bicycle Security Company
P.O. Box 7359
Ventura, CA 93006
Ph: (800) 245-3723 or (805) 933-3688
Fax: (805) 933-1865
www.ameribike.com
Email: turtle@ameribike.com
Vizor Shelter

Product  Vizor™ Shelter
Capacity  See diagrams below and to left
Materials  Uprights: 4”x5/16” square tube
Purlins: 4”x2”x3/16” rectangular tube
Feet: 5/8” plate
Rafter: 4”x2”x3/16” rectangular tube
Roof Panels: Type S deck, 26g galvanized steel

Finishes  Standard options: Galvanized
Powder Coated

Installation Methods  Surface Mount. It is the responsibility of the installer to ensure that all base materials into which the shelter will be installed can support the rack and will not be damaged by any required installation procedures. See structural drawings for details.

Space Use & Setbacks  Overall dimensions:
L 90”, W 144”, H 114”

Load Data  Dead load = self weight of structure
Live load = 40 psf
Wind load = 90 mph exposure B
Seismic load = Moderate
Footing: see page 4
Anchor bolt = .75” diameter x 14.625” Simpson Torq-Cut anchor

*The Vizor Shelter can be used in a modular fashion (shared uprights) however, when used in this manner, please call for layout, as the rack spacing and bike capacity can change!

Solar light available upon request.

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Tools needed for Installation:
- Tape Measure
- Marker or chalk
- Level
- Sledge Hammer
- Rubber Mallet
- Large Hammer Drill
- Standard Drill
- 3/8" Socket with drill attachment
- 1.25" Diameter Masonry Bit
- 5/8" Diameter Masonry Bit
- 3/4" Wrench/Socket
- 15/16" Wrench/Socket (2)
- 1 1/8" Wrench
- 1 1/4" Wrench
- Spud Wrench

Parts List
GENERAL STRUCTURAL NOTES:
1. FOOTING CONCRETE STRENGTH = 3000 PSI
2. REBAR STRENGTH = 60 KSI (ASTM A615, GRADE 60)
3. THREADED RODS = 36 KSI (ASTM F1554, GRADE 36)
4. ADHESIVE = SIMPSON SET-3G. NOTE THAT SPECIAL INSPECTION OF BOLT INSTALLATION IS REQUIRED PER IBC 2015.
5. FOOTING SHALL BE PLACED ON WELL COMPACTED AND FREE DRAINING SOIL.
6. DESIGN PER IBC 2015, RISK CATEGORY 1
   SNOW: 60 PSF GROUND SNOW
   WIND: 105 MPH, EXP. B
   SEISMIC: DESIGN CATEGORY A-C

**Diagram: Footing Details**

- **4-6" 3000 PSI CONCRETE SLAB W/ #4 @18" OC EACH WAY CENTERED IN SLAB**
- **16" THICK 3000 PSI CONCRETE INSIDE LINES**

- **5/#8 X 4'-0" BOTTOM OF FOOTING EACH WAY (3" CLR)**

- **.875" HOLES FOR (4) .75" DIA. THREADED RODS (ASTM F1554, GRADE 36) WITH SIMPSON SET-3G ADHESIVE (10.50" EMBED)**
- **DRILL HOLES AT INSTALLATION**

- **12" X 12" X 5/8" BASE PLATE W/ (4) .75" DIA. THREADED RODS (ASTM F1554, GRADE 36) WITH SIMPSON SET-3G ADHESIVE (10.50" EMBED) AT EACH COLUMN**
- **TUBE STEEL COLUMN SEE SHELTER ASSEMBLY DRAWINGS**

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1. Place Uprights based on footing diagram and drill (4) $\frac{5}{8}$" diameter pilot holes in concrete 14" deep for each Upright. Remove Upright and use pilot holes to drill 1.25" diameter holes 14" deep. Drive in Simpson Torq-Cut Anchor, place Upright and install washers and nuts finger-tight.

2. Lift Truss over the Upright and secure with (4) $\frac{5}{8}$" x 6" bolts, (8) $\frac{5}{8}$" lock washers, and (4) $\frac{5}{8}$" nuts.

3. Place the first Truss and secure with (4) $\frac{1}{2}$" x 3.5" carriage bolts, (4) $\frac{1}{2}$" lock washers, and (4) $\frac{1}{2}$" nuts on both sides.

4. Continue securing the remaining Purlins. Leave nuts finger tight if a Campus Rack will be added. Tighten if no Campus Rack will be added.
5. If using a Campus Rack, secure with (4) 5/8” x 5.5” bolts, (8) 5/8” lock washers, and (4) 5/8” nuts on both sides.

6. Completely tighten truss bolts and Campus Rack bolts if applicable. Completely tighten anchors to 240 ft-lbs.

7. Secure the upper Tension Bars with (4) ¼” nuts and (4) ¾” lock washers each.
8. Secure the lower Tension Bars with (4) 3/4” nuts and (4) 3/4” lock washers each.

9. Place the first section of Type S Deck and secure with (6) self-drilling screws.

10. Place the next section of Type S Deck and secure with (6) self-drilling screws. The first (3) self-drilling screws will go through both Type S Deck sections. Continue securing the remaining (3) Type S Deck sections.

11. If building a modular run of shelters, continue adding shelters until complete.