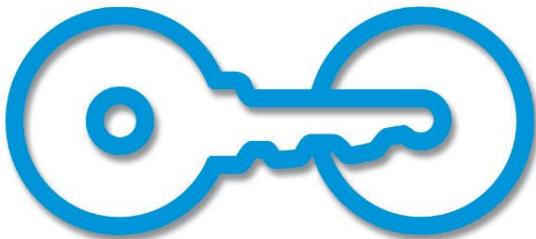




Vizor Shelter



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

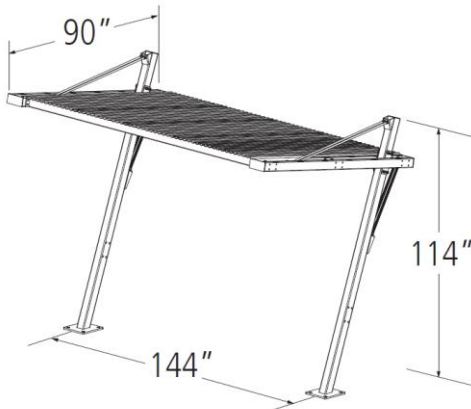
Ph: (800) 245-3723 or (805) 933-3688

Fax: (805) 933-1865

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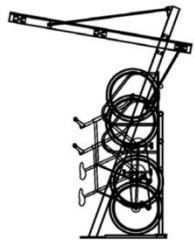
Email: turtle@ameribike.com

Vizor Shelter



With Hoop Racks

Capacity: 8 Bikes



With Ultra Space Savers

Capacity: 8 Bikes



With Campus Rack

Capacity: 6 Bikes

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

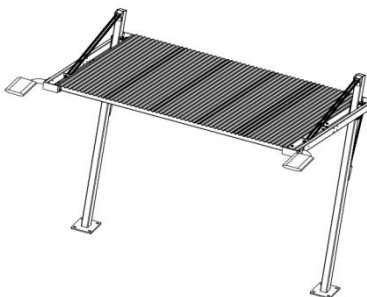
RAL 9005	Flat Black	RAL 9003	RAL 2004	RAL 1023	Bright Yellow
RAL 6016	RAL 6018	RAL 6005	RAL 5005	RAL 5015	Purple
RAL 7011	RAL 7042	RAL 9007	RAL 1001	RAL 8014	Bronze
RAL 3003	RAL 3005				

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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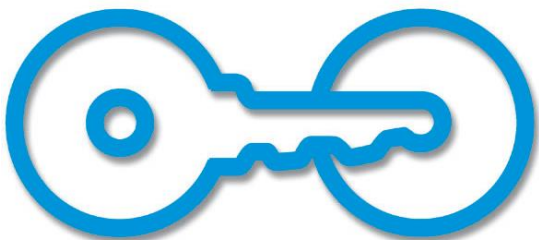
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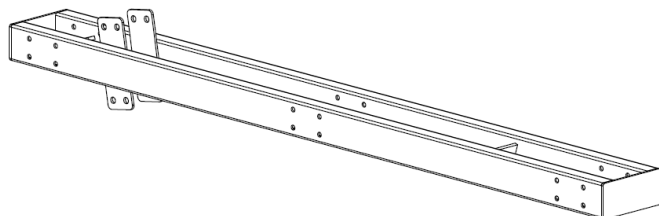
Parts List



Tools needed for Installation:

Tape Measure
Marker or chalk
Level
Sledge Hammer
Rubber Mallet
Large Hammer Drill
Standard Drill
 $\frac{3}{8}$ " Socket with drill attachment

1.25" Diameter Masonry Bit
 $\frac{5}{8}$ " Diameter Masonry Bit
 $\frac{3}{4}$ " Wrench/Socket
 $\frac{15}{16}$ " Wrench/Socket (2)
1 $\frac{1}{8}$ " Wrench/Socket
1 $\frac{1}{4}$ " Wrench
Spud Wrench



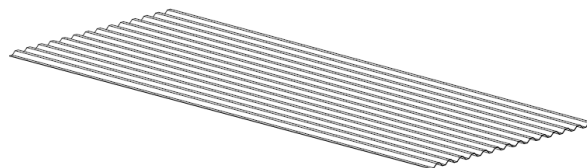
Truss



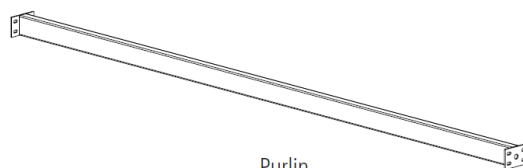
Tension Bar Upper



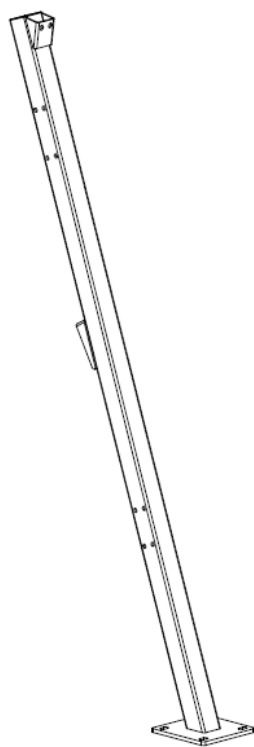
Tension Bar Lower



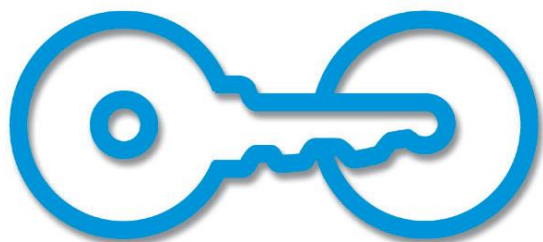
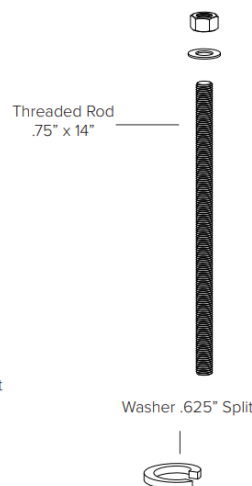
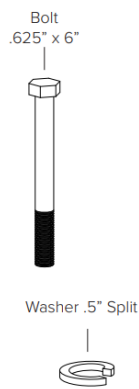
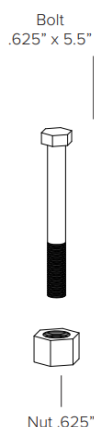
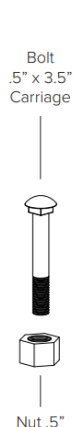
Type S Deck



Purlin



Upright



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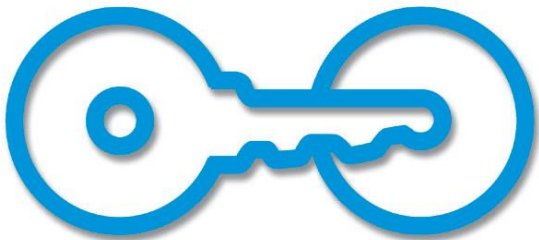
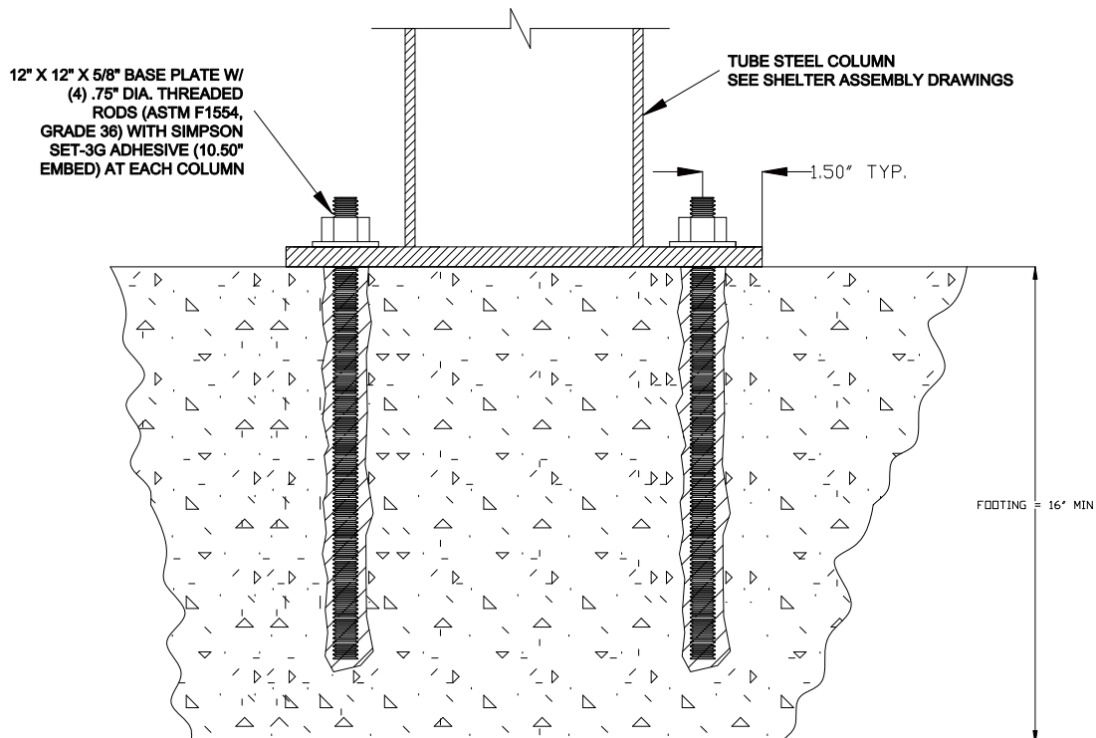
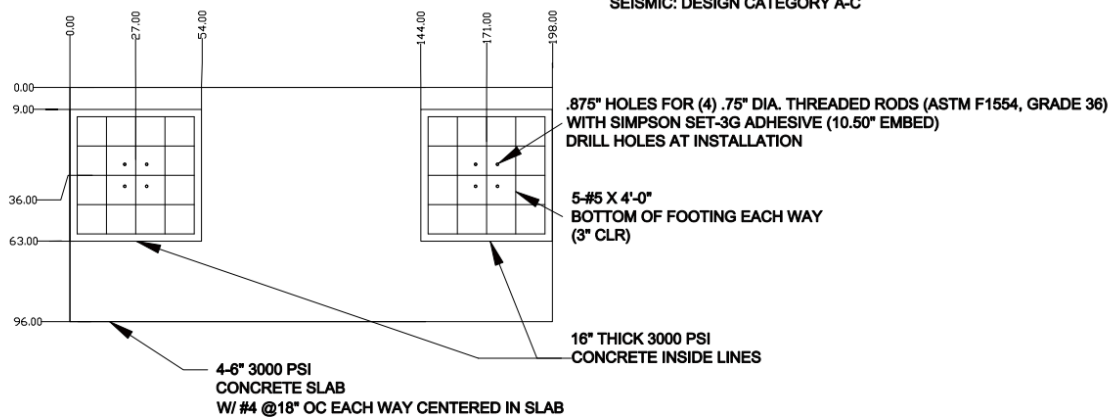
Vizor Shelter

Footing Details



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



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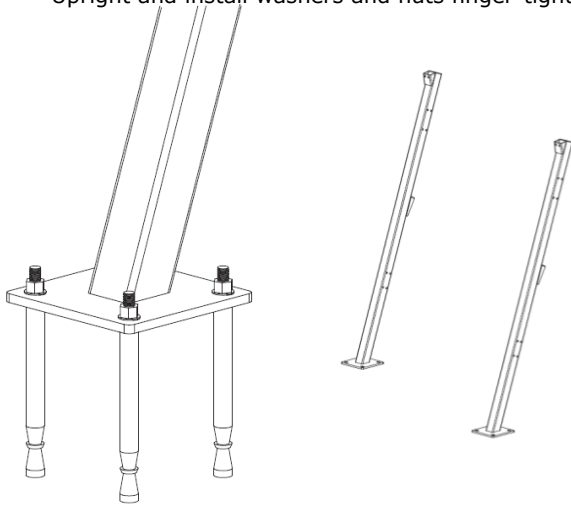
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Vizor Shelter

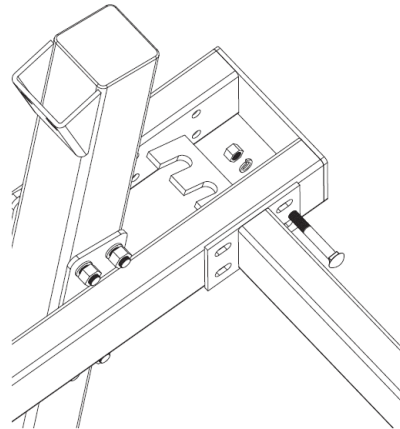
Installation Instructions



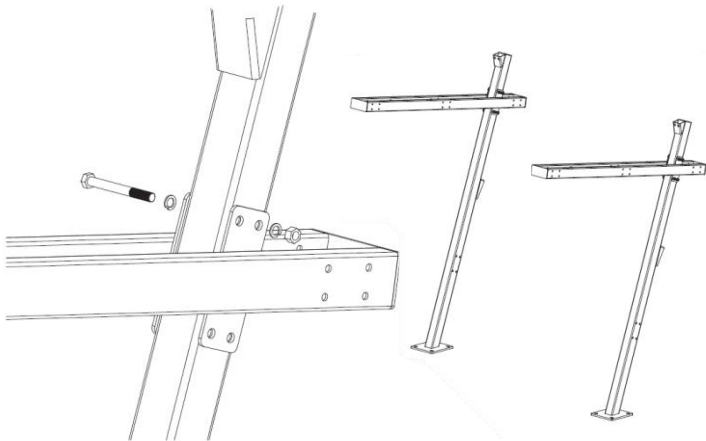
1. Place Uprights based on footing diagram and drill (4) $\frac{5}{8}$ " diameter pilot holes in concrete 14" deep for each Upright. Remove Upright and use pilot holes to drill 1.25" diameter holes 14" deep. Drive in Simpson Torq-Cut Anchor, place Upright and install washers and nuts finger-tight.



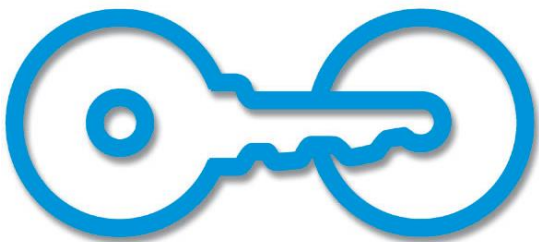
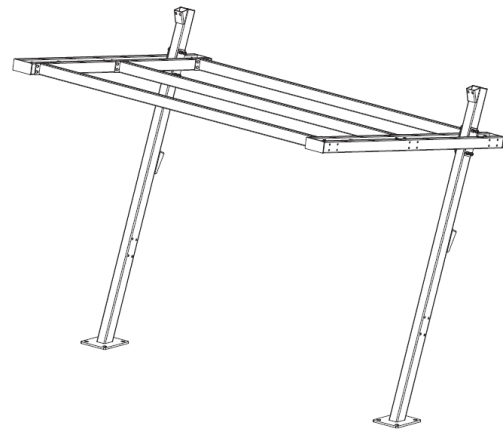
3. Place the first Truss and secure with (4) $\frac{1}{2}$ " x 3.5" carriage bolts, (4) $\frac{1}{2}$ " lock washers, and (4) $\frac{1}{2}$ " nuts on both sides.



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.



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.



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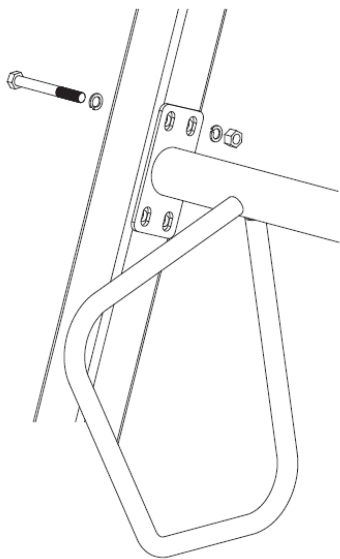
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Vizor Shelter

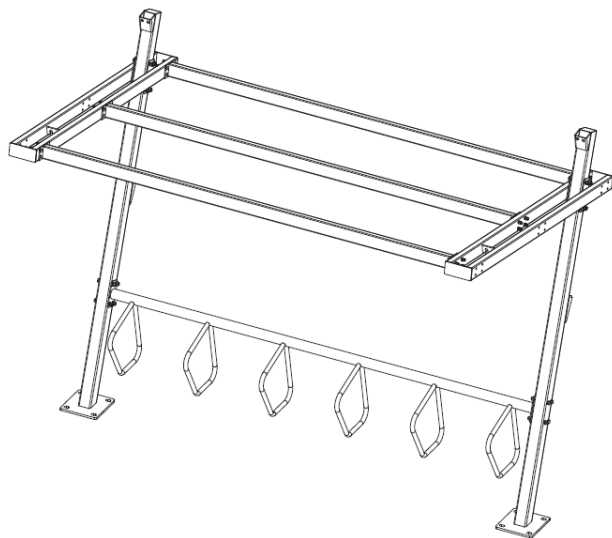
Installation Instructions



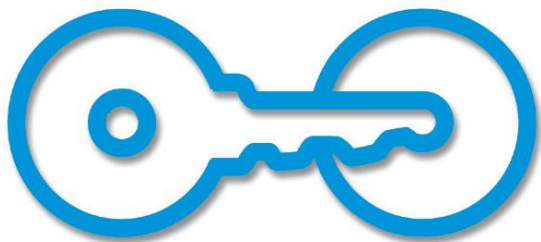
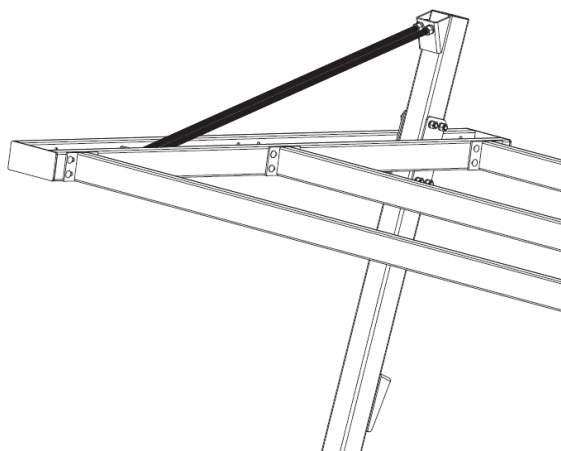
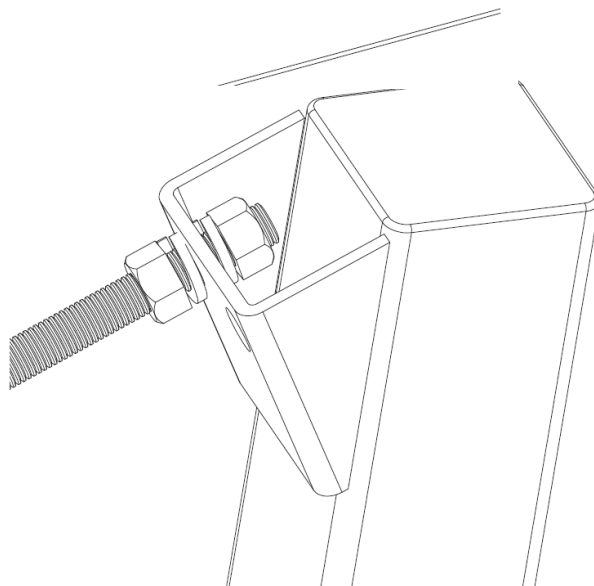
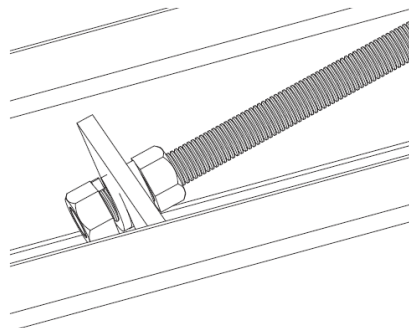
5. If using a Campus Rack, secure with (4) $\frac{5}{8}$ " x 5.5" bolts, (8) $\frac{5}{8}$ " lock washers, and (4) $\frac{5}{8}$ " nuts on both sides.



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) $\frac{3}{4}$ " nuts and (4) $\frac{3}{4}$ " lock washers each.



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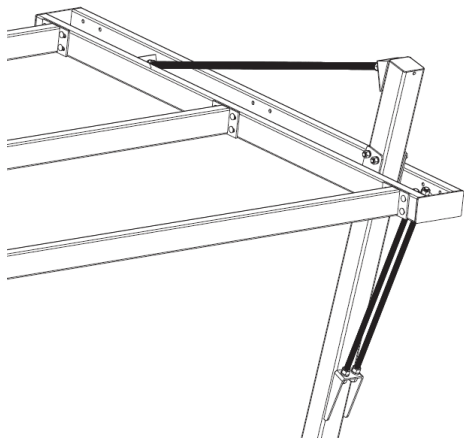
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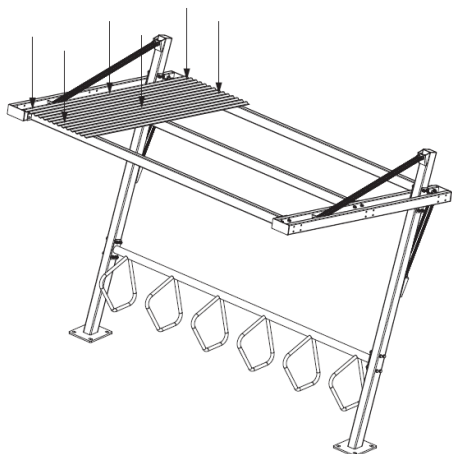
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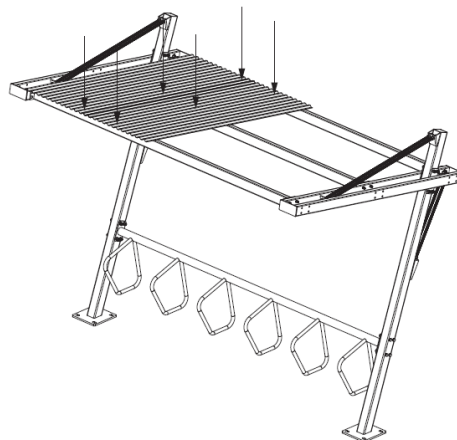
8. Secure the lower Tension Bars with (4) $\frac{3}{4}$ " nuts and (4) $\frac{3}{4}$ " lock washers each.



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.

