The Bike Haven bridges the gap between short and long term bike parking. Starting with a simple canopy design, the design team worked to provide a solid, secure structure with full coverage. Optional polycarbonate side and back panels are available for additional protection.

The Bike Haven is available with or without racks to accommodate existing bike parking. And as demand grows, the Bike Haven’s modular design makes it easy to add more sections.

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**Product**
Bike Haven

**Materials**
- Uprights: 4” x 3/16” square tube.
- Feet: 3/8” plate
- Roof Member: 4” x 3/16” square tube
- Roof Member Long: 2” x 4” x 1/8” tube
- Roof Panels: Type S deck 26g galvanized steel
- Panels: ¼” clear polycarbonate with 1.77” square aluminum framing

**Finishes**
- Standard options: Galvanized
- Powder Coated

**Installation Methods**
- **Surface Mount** has 10” square feet which must be anchored to the ground with supplied anchors.

**Space Use & Setbacks**
Consult local building codes for acceptable setbacks and placement.

**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
- Anchors: ½” diameter x 4.25” Simpson Strong-bolt 2

*These can also be modular.*
Tools needed for Installation:
- Tape Measure
- Marker or pencil
- Level
- Hammer
- Rubber Mallet
- Drill (Hammer Drill Recommended)
- 5/16" Socket with drill attachment

- ½" Masonry Bit
- ¾" Wrench/Socket
- 9/16" Wrench/Socket
- Philips Head Screwdriver
- Heavy Lifting Equipment
- ¼" Masonry Drill Bit (for panels)
- ½" Drill Bit (for panels)
1. Customer is responsible for preparing the slab with minimum strength of 2500psi as shown

- Sidewalk Footing = Minimum 5' X 5' X 5" concrete surround at base connection
- Field Footing = Minimum 42" X 42" X 12" concrete surround at base connection
- HSS 4" X 4" X 3/16" Typical Column in Weldment
- 10" X 10" X 3/8" Base Plate with (4) 1/2" Dia. Simpson Strong Bolt 2 Wedge Anchors (3 Min. Embed) at each column

2. Lay an UPRIGHT SHORT and UPRIGHT TALL on the ground parallel to each other and about 86" apart. Lay a ROOF MEMBER between the two uprights and attach with four ½" bolts (finger tight). Note that the open square in the middle of the ROOF MEMBER should be facing the top of the assembly. Repeat this step for the other UPRIGHTS and ROOF MEMBER.

3. With the help of 2 assistants, stand both UPRIGHT ASSEMBLIES up, about 136" apart. Lift a ROOF MEMBER LONG into place and attach it with four ½" bolts (finger tight). Lift the remaining ROOF MEMBER LONG pieces into place and attach them with four ½" bolts each. If installing additional units, repeat step 3 until all framework is assembled. Tighten all ½" bolts.
4. Place the initial ROOF PANEL at one end of the assembly. The panel should cover both openings at the top of the uprights. With a self-drilling screw, drill through the ROOF PANEL and ROOF MEMBER LONG in noted points. You may want to clamp a wood 2x4 to both UPRIGHT SHORTS at the level of the ROOF panel, so that all the ROOF PANELS stay aligned with each other. Place the next ROOF PANEL in place, drill where noted. Repeat with the rest of the ROOF PANELS. ROOF PANELS should overlap by the noted amount. The last ROOF PANEL may overlap more.

5. Drill ½" holes in the ground at the four slotted holes in the UPRIGHTS and secure the UPRIGHTS with ½" wedge anchors. If adding side panels, continue to step 6.

6. ADDING SIDE AND REAR PANELS Place the REAR PANEL in place and clamp it to the UPRIGHT SHORTS. Using the four ½" holes in the REAR PANEL as a guide, drill through both walls of the UPRIGHT SHORTS with a 3/8" drill bit.

7. Bolt the REAR PANEL to the UPRIGHT SHORTS with the aluminum spacers in between the REAR PANEL and UPRIGHT SHORTS.
8. Drill a ¼” hole in the ground at the slotted hole in the REAR PANNEL foot and secure with a ¼” wedge anchor.

9. Place the SIDE PANEL in place and clamp it to the UPRIGHTS. Using the four ½” holes in the SIDE PANEL as a guide, drill through both walls of the UPRIGHTS with a 3/8” drill bit. Bolt the SIDE PANEL to the UPRIGHTS with the aluminum spacers in between the SIDE PANEL and UPRIGHTS. Repeat for the other SIDE PANEL.

**Installing Add On units to an Existing Shelter:**

1. Remove the SIDE PANEL from the side of the shelter the addition will be added, if applicable. The SIDE PANEL will then be reinstalled on the last addition. Remove one ROOF PANEL adjacent to the side of the shelter the addition will be added. Refer to “Bike Haven Installation Instructions” to complete the addition.