

CYCLE STATION



High Capacity



The Dero Cycle Station provides high-capacity, covered bike parking for bicycle commuters. With a high roof and open platform, the Dero Cycle Station allows bike corrals, vertical, or two-tiered bike racks configured to meet your specific needs. Optional polycarbonate side and back panels are available for additional protection.

PRODUCT & PRICING INFO CONTACT

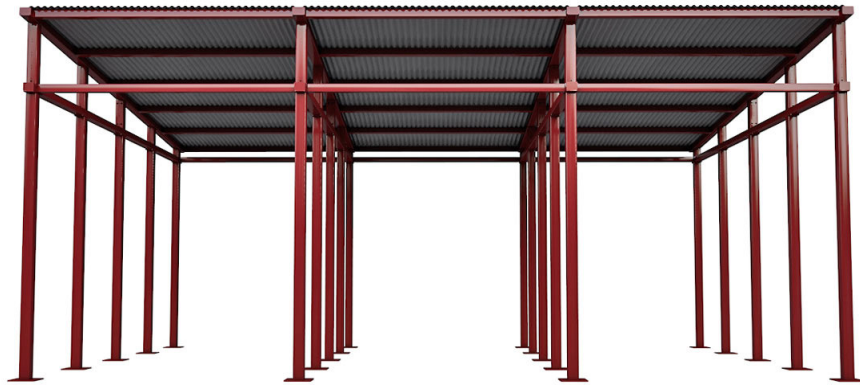
 **STREETSCAPES**
STREETSCAPES.BIZ

Info@streetscapefurniture.com ■ 303.398.7040

CYCLE STATION

Easy to expand on

The modular design of the Cycle Station allows you to expand as necessary to meet your bike parking capacity needs



FINISH OPTIONS

Galvanized



Powder Coat

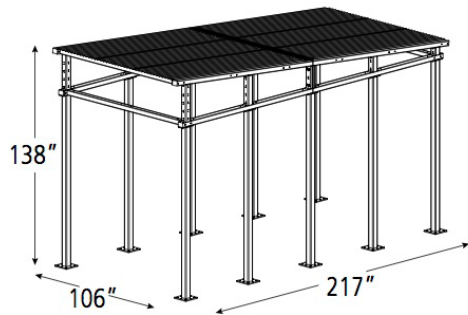
White	Black	Light Gray RAL 7042	Deep Red RAL 3003	Yellow RAL 1023
CNH Bright Yellow	Orange RAL 2004	Blue RAL 5005	Sky Blue RAL 5015	Hunter Green RAL 6005
Light Green RAL 6018	Green RAL 6016	Sepia Brown RAL 8014	Bronze	Silver 9007
Dark Purple	Flat Black	Wine Red RAL 3005	Beige RAL 1001	Iron Gray 7011

CYCLE STATION

Submittal Sheet

CAPACITY

See diagrams below and to the left



MATERIALS

Uprights: 4" x 3/16" square tube
Feet: 1/2" plate
Roof Truss: 4"x 3" x 3/16" square tube
Roof Purlins: 3" x 1/8" square tube
Roof Panels: 24g Type S deck galvanized steel
Panels: 1/4" clear polycarbonate with 1.77" square aluminum framing
Panels: 2" x 3/16" steel wire mesh with 2" steel framing

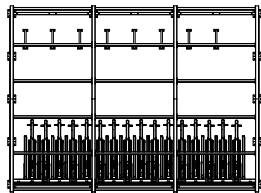
FINISHES

☐ **Galvanized**
An after fabrication hot dipped galvanized finish is our standard option. 250 TGIC powder coat colors, thermoplastic coating, PVC dip, and stainless steel finishes are also available as alternate options.

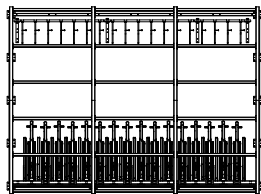
☐ **Powder Coat**
Our powder coat finish assures a high level of adhesion and durability by following these steps:
1. Sandblast
2. Epoxy primer electrostatically applied
3. Final thick TGIC polyester powder coat

☐ **Surface**
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.

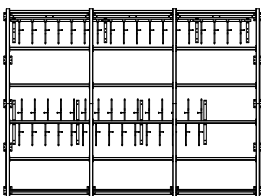
Sample layouts using 3 Cycle Station Units:



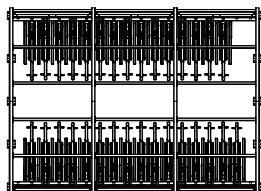
Hoop Racks and
Dero Deckers
48 Bikes



Ultra Space Savers
and Dero Deckers
51 Bikes



Ultra Space Savers
48 Bikes



Dero Deckers
64 Bikes

MOUNT OPTIONS

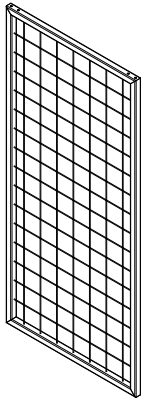
LOAD DATA

Dead load = self weight of structure
Live load = 40 psf
Wind load = 90 mph exposure B
Seismic load = moderate to high
Footing: see page 4
Anchor bolt = 5/8" x 41/2" embed Simpson Strong-Bolt 2 wedge anchors

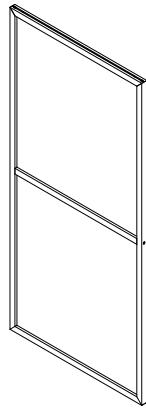
Dero Shelters can be used in a modular fashion (shared uprights) however, when used in this manner, please consult a Dero Bike Rack sales associate for layout, as the rack spacing and bike capacity can change!

CYCLE STATION

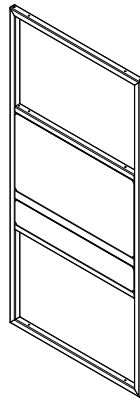
Parts List



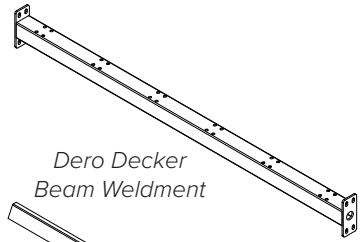
Wire Mesh Panel



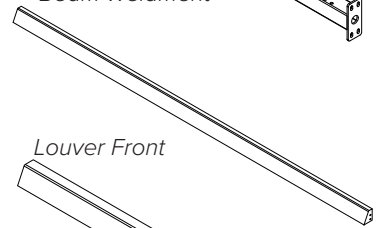
Polycarbonate Panel



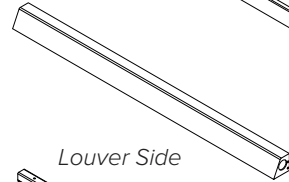
Door



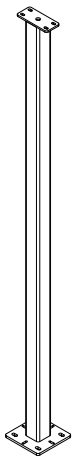
Dero Decker
Beam Weldment



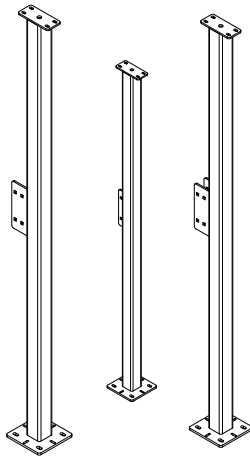
Louver Front



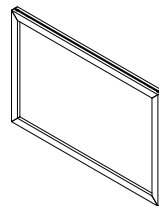
Louver Side



Upright
Weldment



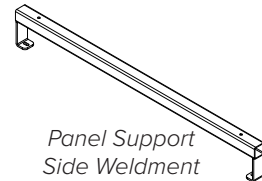
Upright Dero
Decker Weldments



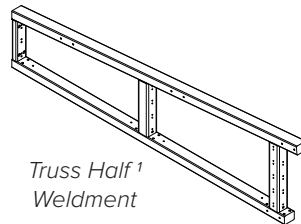
Door Polycarbonate
Panel



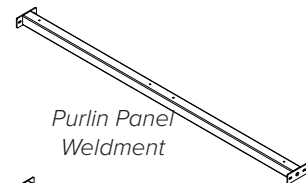
Panel Support
Front Weldment



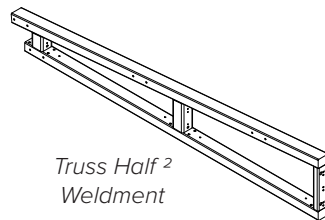
Panel Support
Side Weldment



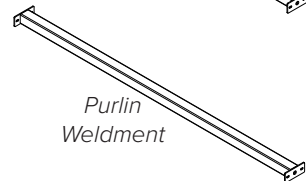
Truss Half ¹
Weldment



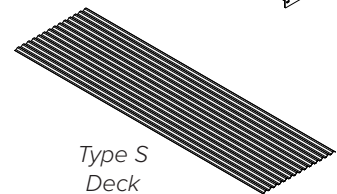
Purlin Panel
Weldment



Truss Half ²
Weldment



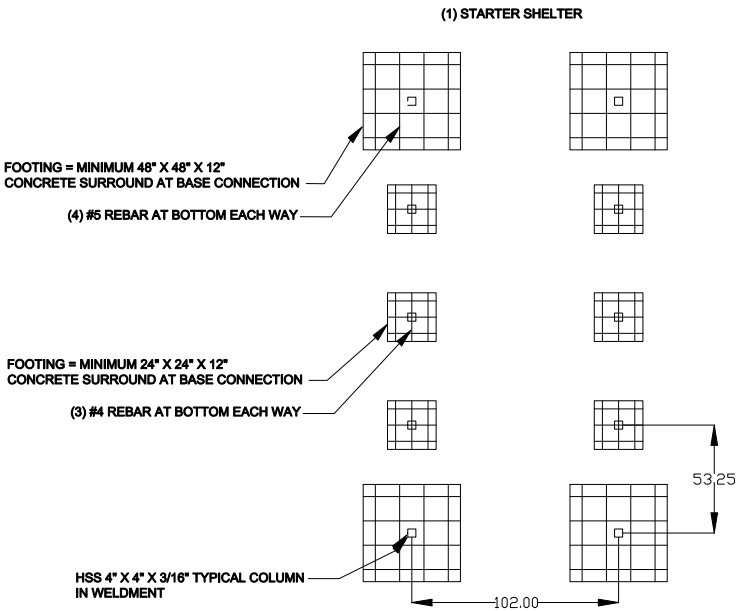
Purlin
Weldment



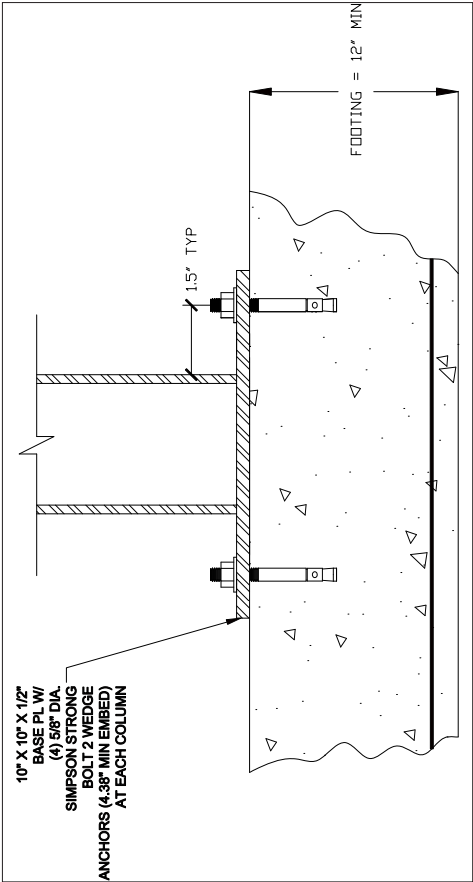
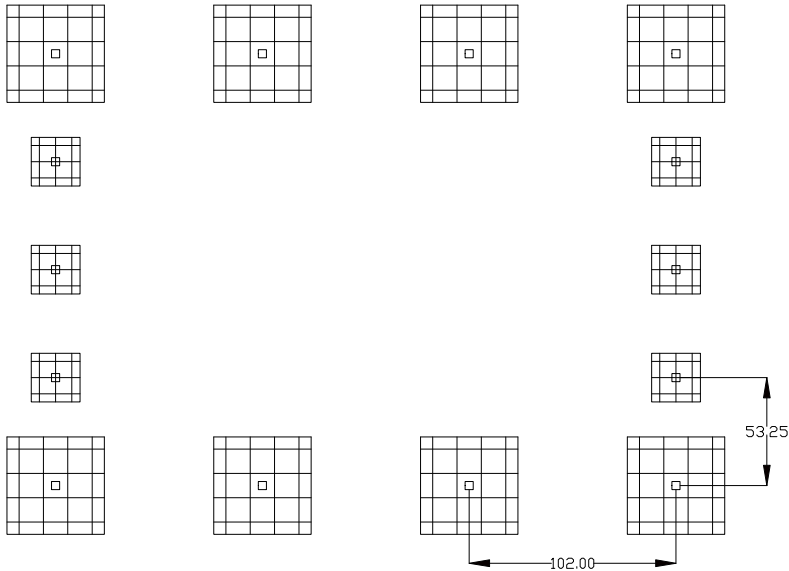
Type S
Deck

CYCLE STATION

Footing Details



EXAMPLE
(1) STARTER SHELTER
(2) ADD-ON SHELTERS



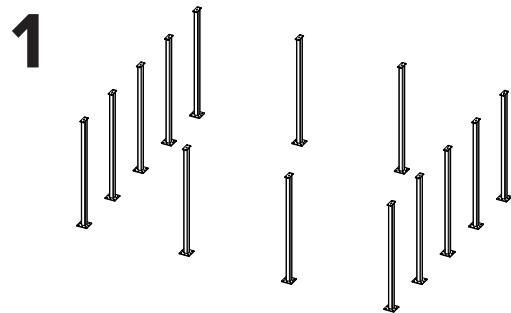
CYCLE STATION

Installation Instructions

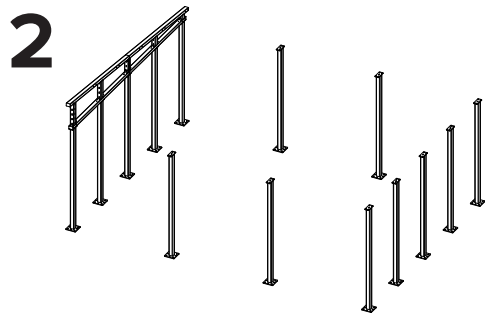
TOOLS NEEDED

Hammer Drill
Masonry Bits: 3/8", 5/8"
Large Hammer
Level
Chalk Line
Tape Measure
Tall Ladder
Material Lift or Forklift

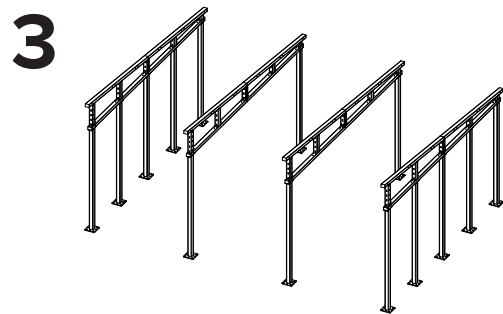
Wrenches: 7/16", 1/2", 9/16", 3/4", 15/16", 1 1/8", 13mm
Socket Wrench with Sockets: 7/16", 1/2", 9/16", 3/4", 15/16", 1 1/8"
Spud Wrench
Drill
Drill Bit 7/32"
Drive Socket 5/16"
Driver Torx T30



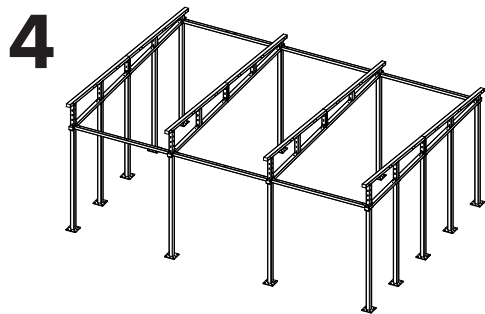
Place uprights on concrete pad over footings (see footing drawing). Confirm all uprights are properly spaced and square. Using the upright foot as a template, drill (4) 5/8" diameter x 6" holes at each upright. Install wedge anchors with nuts finger-tight. See shelter assembly drawing for specific upright placement locations.



Lift both truss halves into place and fasten to uprights with (4) 1/2" x 4.5" bolts, (4) lock washers, and (4) nuts at each upright. Leave finger-tight. Fasten truss halves to each other with (4) 3/4" x 5.5" bolts, (8) lock washers, and (4) nuts each. Fully tighten.



Install the remaining trusses. For middle trusses, fasten truss halves to each other before lifting



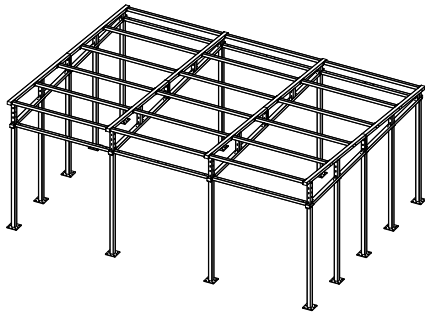
For shelters with side panels, install the purlins for panels (these are the same as the other purlins but with (4) holes through the tube) with (4) 3/8" x 5.5" bolts, (4) washers, (4) lock washers, and (4) nuts each. Leave finger-tight.

For shelters without side panels, these purlins are the same as all other purlins.

CYCLE STATION

Installation Instructions

5

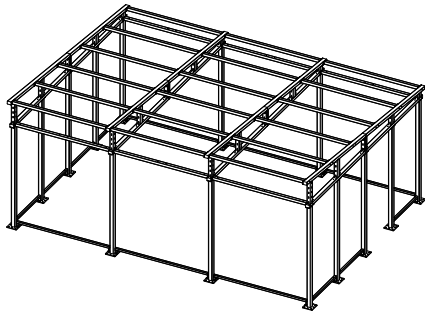


Install the purlins with (4) 3/8" x 5.5" bolts, (4) washers, (4) lock washers, and (4) nuts each. Fully tighten all purlins.

6

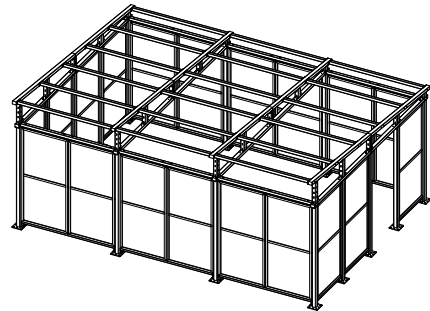
For shelters with Dero Decker racks, install the DD beams with (8) 5/8" x 2" carriage bolts, (8) lock washers, and (8) nuts each. Leave finger-tight. Carriage bolts at the end of the shelter should have the heads facing out. See shelter assembly drawing for specific DD beam placement locations.

7



For shelters with side panels, install the front and side panel supports between every upright, except where the door will be installed. Align slots in the panel support with the slots in the upright, drill 3/8" diameter holes, and fasten with 3/8" wedge anchors with nuts finger-tight.

8



For polycarbonate panels, install the panels with (4) 8mm bolts and (4) lock washers. (2) 130mm bolts on top and (2) 65mm bolts on the bottom. The bolts will be received by square nuts that slide into the panel grooves. The gap on top of the panel will be filled with (2) 1.25" aluminum spacers and several washers if needed. The uprights and panel supports may be slightly moved in order to get the panels as square as possible.

For wire mesh panels, install the panels with (4) 5/16" bolts and (4) lock washers. (2) 5.5" bolts on top and (2) 3" bolts on the bottom. The bolts will be received by rivet nuts in the panels. The gap on top of the panel will be filled with (2) 1.25" aluminum spacers and several washers if needed.

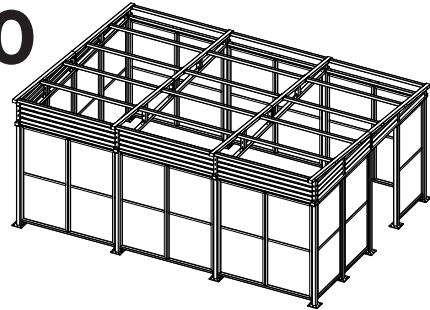
CYCLE STATION

Installation Instructions

9

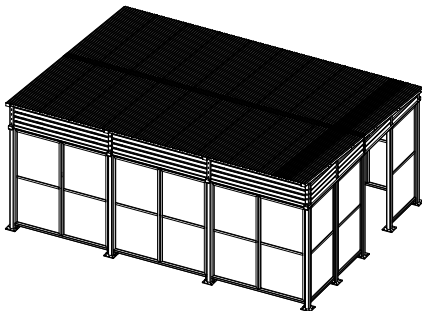
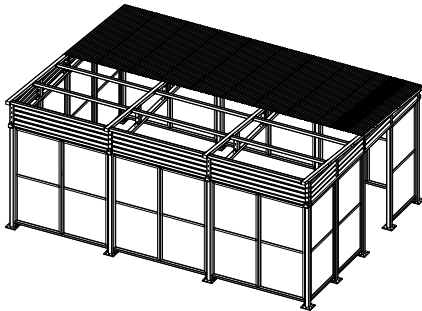
Once all the panels are properly placed, tighten all the upright anchors and bolts attaching the trusses. The carriage bolts attaching the DD beams can also be tightened.

10



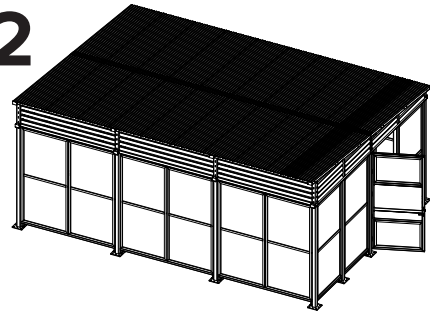
Install front and side louvers with (4) $\frac{1}{4}$ " x 5" bolts, (4) washers, (4) lock washers, and (4) nuts. Tighten all.

11



Place the first row of type S decks and fasten with (6) self-drilling screws each to the purlins and trusses. Each deck will provide 32.5" of coverage; the last deck will overlap more. Place the second row of type S decks and fasten with (6) self-drilling screws each.

12

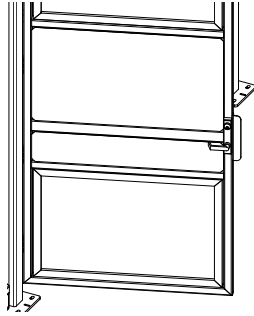


Attach door with (4) hinges and (8) $\frac{1}{4}$ " x 1" thread-cutting screws each. A $\frac{7}{32}$ " pilot hole will need to be drilled for each thread-cutting screw. Lubricate each thread-cutting screw before installing. The door bottom should be 4.5" off the ground and the door front should be flush with the uprights. See individual product instructions to install door trim, crash bar, door closer.

CYCLE STATION

Installation Instructions

13



Install strike guard with (4) self-drilling screws.
Door should close just enough to allow the latch
to engage the strike.

14

See shelter assembly drawing for specific bike
rack placement locations.