





Kolo® Shelter

The unique styling of our redesigned Dero Kolo® Shelter will help beautify your facility and provide secure, covered bike parking for cyclists. The Kolo is designed to accommodate a variety of bike parking options, including vertical and two-tiered arrangements, to best suit your needs.









The modular design of the Kolo® Shelter allows you to expand as necessary to meet your bike parking capacity needs

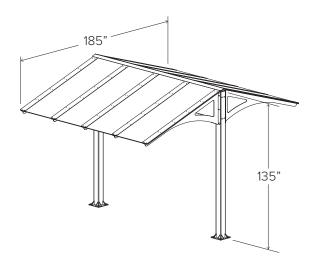


FINISH OPTIONS

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

SOLAR POWERED LIGHTING AVAILABLE

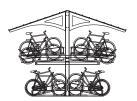






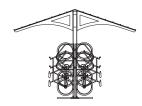
Campus Rack

Capacity by shelter length Short: 5 Bikes Medium: 9 Bikes Long: 11 Bikes



Dero Decker

Capacity by shelter length Short: 18 Bikes Medium: 26 Bikes Long: 34 Bikes



Ultra Space Saver Squared

Capacity by shelter length Short: 6-9 Bikes Medium: 12-18 Bikes Long: 16-24 Bikes

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!

CAPACITY Varies per configuration **MATERIALS Uprights:** 6" x 1/4" square tube Center member: 6" x 1/4" square tube, C6 channel Feet: 1/2" plate Rafter: 3/16" plate Roof Panels: 1/2" UV resistant polycarbonate **FINISHES** Galvanized An after fabrication hot dipped galvanized finish is our standard option. **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 **SECTION** Short **LENGTHS** 74" on-center between uprights 111" on-center between uprights Long 148" on-center between uprights

MOUNT OPTIONS

Surface Only

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.

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 5

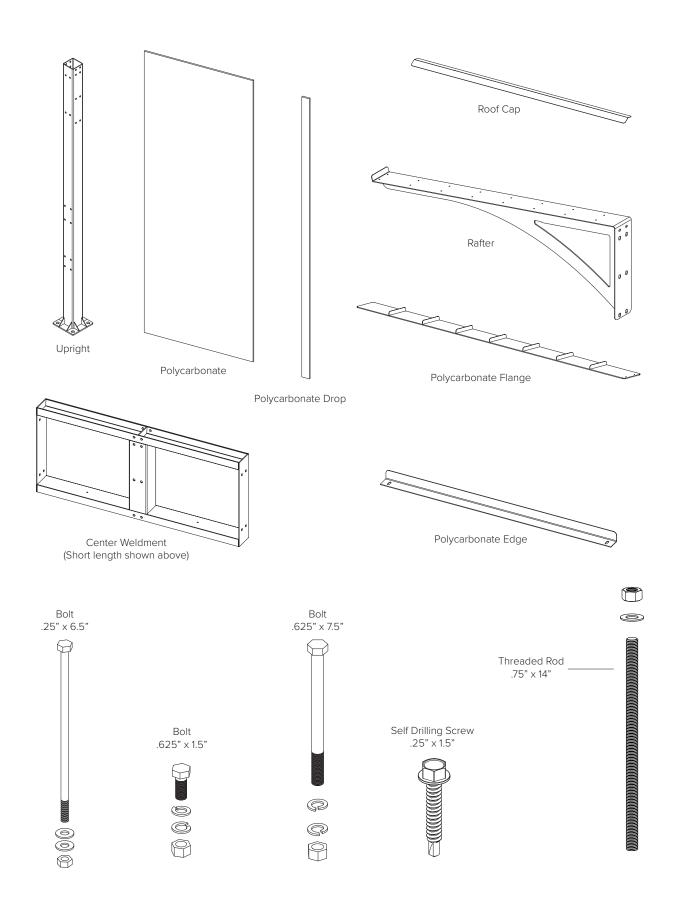
Anchors: 3/4" diameter x 14.625" Simpson Torq-Cut wedge

anchor

LIGHTING

Solar powered lights are available for an additional charge



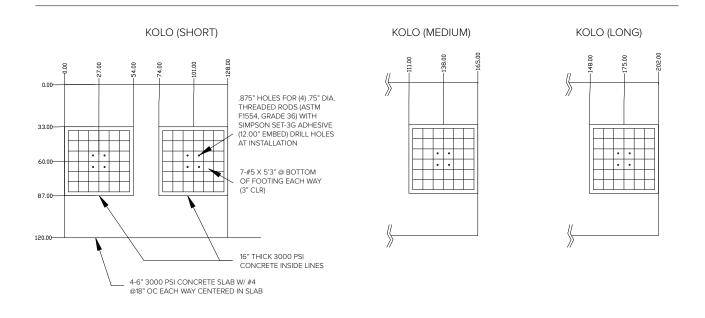


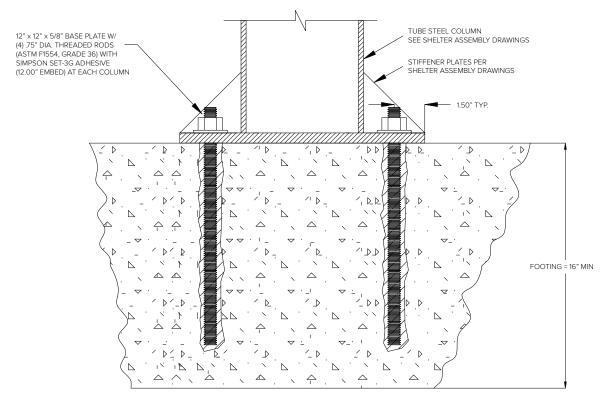
GENERAL STRUCTURAL NOTES:

- 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 PLACE 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

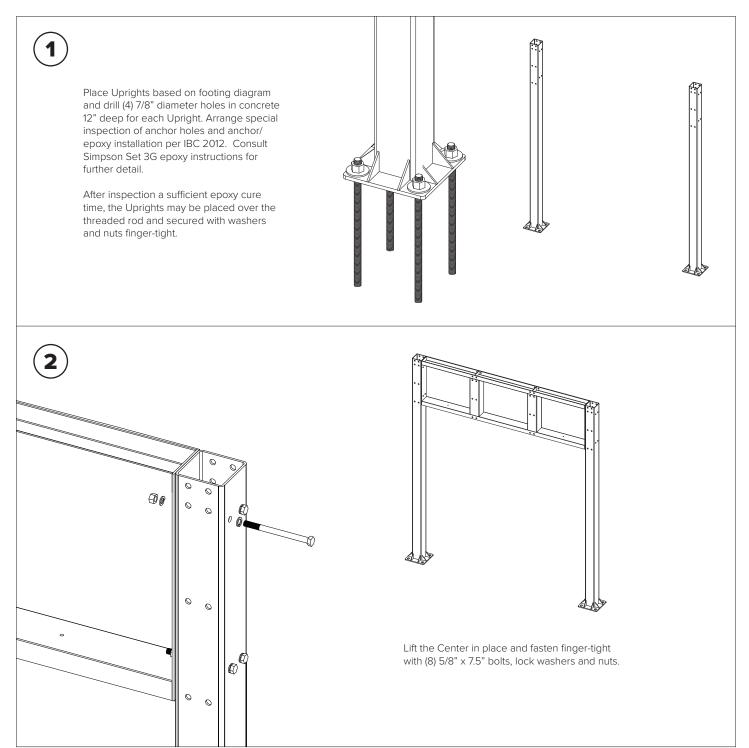




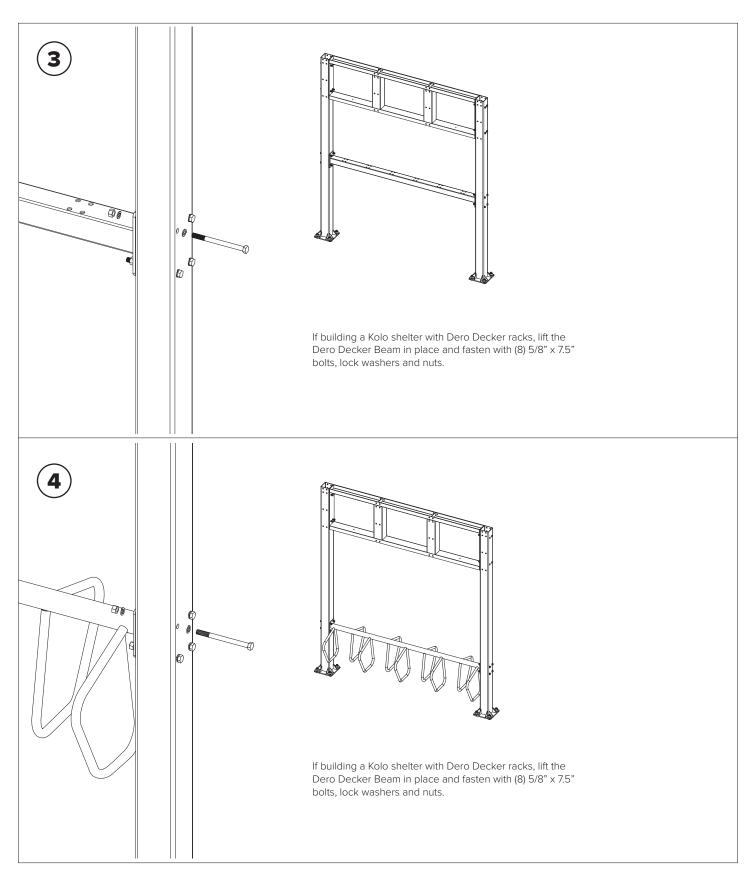


TOOLS NEEDED

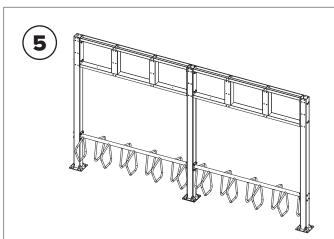
Tape Measure Marker or chalk Level Sledge Hammer Rubber Mallet Large Hammer Drill Standard Drill 3/8" Socket with drill attachment 7/8" Diameter Masonry Bit 3/4" Wrench/Socket 15/16" Wrench/Socket (2) 11/8" Wrench/Socket 11/4" Wrench Spud Wrench



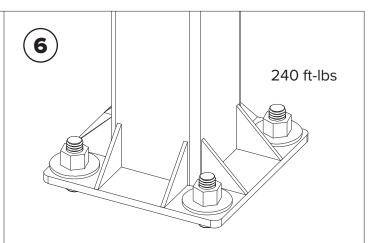






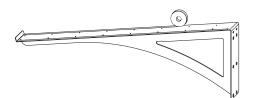


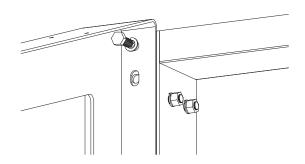
If building a modular system of Kolo shelters, continue to place and fasten Uprights, Center Weldments, and Dero Decker Beams/Campus Racks.



Fully tighten all bolts and nuts. Then tighten Simpson Torq-Cut anchor nuts to 240 ft-lbs.

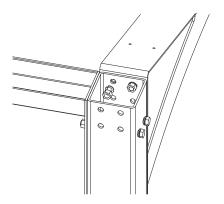






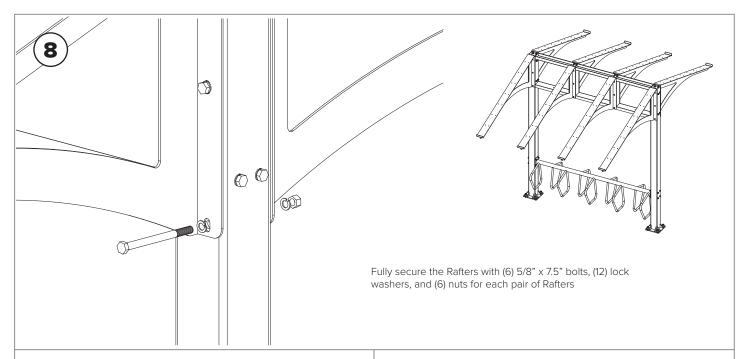


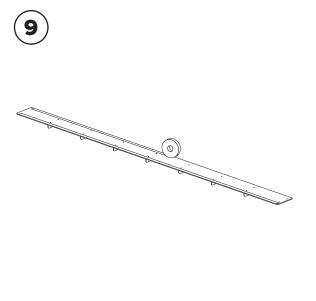


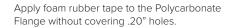


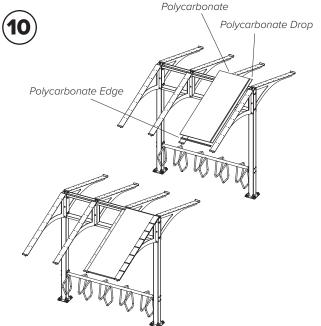
Apply foam rubber tape to the Rafter without covering .30" holes. Working from one end of the shelter to the other, lift a Rafter into place using a lifting strap. Secure the lifting strap at the rafter's center of gravity which is indicated by a notch at the apex of the Rafter cut-out. Once the Rafter is in place, fasten the rafter to the Upright with (2) 5/8" x 1.5" bolts, (4) lock washers, and (2) nuts using the two upper-most holes. Continue to fasten all remaining Rafters with the above method.



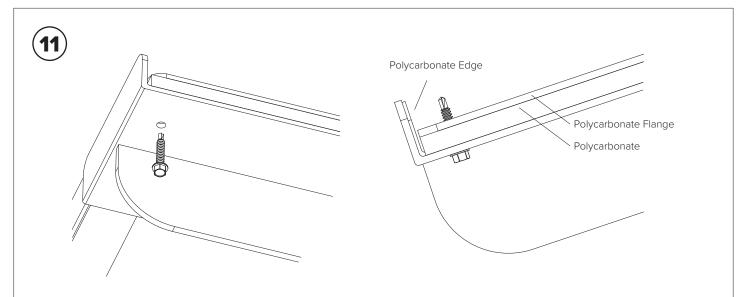




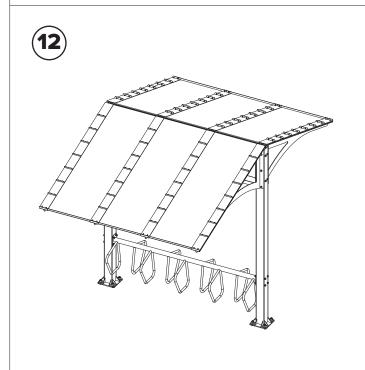




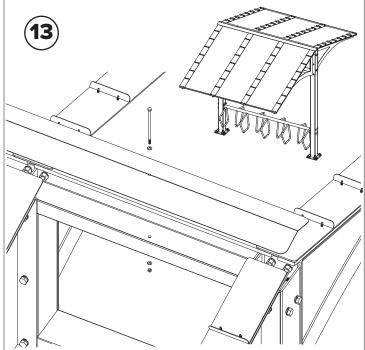
Place (1) Polycarbonate Drop, (1) Polycarbonate, (1) Polycarbonate Edge in place. Make sure the Polycarbonate Drop is flush with the outside edge of the Rafter and that the Polycarbonate is centered between both Rafters. Use care to not scratch the Polycarbonate. Using the 16 holes in the Polycarbonate Flange and 16 holes in the Rafter, align the Polycarbonate Flange over the Rafter so that the Polycarbonate and Polycarbonate Drop are sandwiched between them.



Starting at the holes furthest from the shelter center, secure the Polycarbonate Flange with (16) 1/4" x 1.5" self-drilling screws. It is recommended that the assembly be clamped together while fastening the first two screws. The self-drilling screws will pass through the Rafter, drill through the Polycarbonate, and tap through the Polycarbonate Flange.



Continue installing the remaining Polycarbonates, Polycarbonate Drops, Polycarbonate Edges, and Polycarbonate Flanges.



Place the Roof Cap on top of the shelter and secure with (2) 1/4" x 6.5" bolts, (4) washers, and (2) lock nuts. Do not over-tighten to avoid bowing of the Roof Cap.