The Vizor® is a beautiful cantilever designed shelter that is able to accommodate most Dero bike rack systems, including vertical models. This innovative, attractive, and functional bike shelter is a perfect addition to your facility, especially for smaller spaces.

Patent D748,562
Easy to expand on.

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

FINISH OPTIONS

Galvanized

Powder Coat

White

Black

Deep Red RAL 3003

Yellow RAL 1023

CNH Bright Yellow

Orange RAL 2004

Beige RAL 1001

Hunter Green RAL 6005

Light Green RAL 6008

Green RAL 6016

Sky Blue RAL 5015

Blue RAL 5005

Dark Purple

Flat Black

Wine Red RAL 3005

Iron Gray RAL 7011

Light Gray RAL 7042

Silver RAL 9007

Sepia Brown RAL 8014

Bronze

SOLAR POWERED LIGHTING AVAILABLE

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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 by rack model

MATERIALS
- **Uprights**: 4” x 5/16” square tube
- **Feet**: 5/8” plate
- **Rafters**: 4” x 2” x 3/16” rectangular tube
- **Purlins**: 4” x 2” x 3/16” rectangular tube
- **Roof Panels**: Type S deck, 26g galvanized steel

FINISHES
- **Galvanized**
  An after fabrication hot dipped galvanized finish is our standard option. The Vizor® Shelter roof comes galvanized as the 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

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**: 75” diameter x 14.625” Simpson Torq-Cut anchor

LIGHTING
- **Solar powered lights are available for an additional charge**
Vizor® Shelter

Parts List

Truss

Bolt .5" x 3.5"
Carriage Nut .5"

Bolt .625" x 5.5"

Bolt .625" x 6"

Threaded Rod .75" x 14"

Type S Deck

Tension Bar Upper

Tension Bar Lower

Purlin

Washer .5" Split

Washer .625" Split

Upright
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 BIC 2015
5. FOOTING SHALL BE PLACED ON WELL COMPACTED AND FREE DRAINING SOIL
6. DESIGN PER BIC 2015, Seismic Category 1
    SNOW: 60 PSF GROUND SNOW
    WIND: 105 MPH, EXP. B
    SEISMIC DESIGN CATEGORY A/C

.75" HOLES FOR (4) .75" DIA. THREADED RODS (ASTM F1554, GRADE 36) WITH SIMPSON SET 3G ADHESIVE (10.50" EMBED)
DRILL HOLES AT INSTALLATION
5'x5' X 4'-0" Bottom of Footing each way (3'-0"
16" THICK 3000 PSI CONCRETE SIDELINES

4'-6" 3000 PSI CONCRETE SLAB W/ #4 @ 18" OC EACH WAY CENTERED IN SLAB

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
1.50' TYP.
**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
- 5/8” Diameter Masonry Bit
- 3/4” Wrench/Socket
- 15/64” Wrench/Socket (2)
- 11/8” Wrench/Socket
- 11/4” Wrench
- Spud Wrench

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1. **Installation**

   Place Uprights based on footing diagram and drill (4) 7/8” diameter holes in concrete 12” deep for each Upright. Arrange special inspection of anchor holes and anchor/epoxy installation per IBC 2012. Consult Simpson Set 3G epoxy instructions for further detail. After inspection and sufficient epoxy cure time, the Uprights may be placed over the threaded rod and secured with washers and nuts finger-tight.

2. Lift Truss over the Upright and secure with (4) 5/8” x 6” bolts, (8) 5/8” lock washers, and (4) 5/8” nuts.
Continue securing the remaining Purlins. Leave nuts finger-tight if a Campus Rack will be added. Tighten if no Campus Rack will be added.

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.

Completely tighten truss bolts and Campus Rack bolts if applicable. Completely tighten anchors to 240 ft-lbs.
Secure the upper Tension Bars with (4) 3/4" nuts and (4) 3/4" lock washers each.

Secure the lower Tension Bars with (4) 3/4" nuts and (4) 3/4" lock washers each.
Place the first section of Type S Deck and secure with (6) self-drilling screws.

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.

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