3-PART SPECIFICATION

BICYCLE STORAGE LOCKERS

DIVISION 12 - FURNISHINGS
12 93 00 Site Furnishings
12 93 14 Bicycle Lockers

PROPARK DV "DOOR-VIEW" BICYCLE LOCKERS

These specifications were current at the time of publication, but are subject to change at any time without notice. Please confirm the accuracy of these specifications with the manufacturer and/or distributor prior to installation.

Part 1 General

1.1 SECTION INCLUDES
A. High Strength Sheet Molded Compound (HSMC) plastic composite, modular Bicycle Storage Lockers and hardware.

1.2 SUBMITTALS FOR REVIEW
A. Product Data: For each type of product indicated.
B. Samples: For each type of finish indicated
C. Product Layout Drawings: For layout options and site dimensions.

1.3 SUBMITTALS FOR INFORMATION
A. Manufacturer information: "Installation Guide and Owner's Manual - ProPark Series".
B. Maintenance Data: Included in Owner's Manual
C. Certifications: For exterior HSMC Molded material, certified by manufacturer.
D. LEED Qualified Credits:

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>SUB CATEGORY</th>
<th>CREDIT</th>
</tr>
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<tr>
<td>Sustainable Sites</td>
<td>Alternative Transportation - Bicycle Storage</td>
<td>SS Credit 4.2</td>
</tr>
<tr>
<td>Innovation in Design</td>
<td>Innovation in Design</td>
<td>ID Credit 1</td>
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1.4 QUALITY ASSURANCE

A. Products: Manufactured to ISO 9000 or ISO 14000 requirements.

B. Manufacturer Qualifications  A company specialized in the manufacture of fiberglass reinforced plastic/SMC composite.

C. Conformance: Conform to Class I Bicycle Parking Facilities requirements.

1.5 DELIVERY, STORAGE AND HANDLING

A. Inspect bicycle locker components on delivery for carrier damage. Store bicycle locker components in original undamaged packaging in an area sheltered from weather until ready for installation. Inspect bicycle locker components prior to setup and installation.

1.6 WARRANTY

A. Warranty covers materials and workmanship

B. Warranty Period:
   1. Five (5) years from date of invoice for all manufacturer’s non-HSMC components.
   2. Fifteen (15) years from date of invoice for failure of HSMC composite material with exterior coatings due to corrosion.
C. Warranty period for mechanical locks: Two (2) years from date of invoice.

D. Warranty does not cover improper installation, neglect, misuse, accidents, vandalism, natural disasters, fire, or acts of war or terrorism.

Part 2 Products

2.1 DESIGN CRITERIA & CONSTRUCTION

A. Bicycle Lockers System: Designed with six (6) major replaceable components that provide an interlocking locker system that easily accommodates expansion. The lockers provide a sturdy enclosure, adequate security and capacity within for storing all conventional bike sizes. They are aesthetically pleasing, and are weather and graffiti resistant. Require less shipping and storage area than assembled lockers.

B. Vertical / Horizontal Members, Channel:
   1. Modular / Interlocking Design: Bicycle lockers with interlocking design for configuration into integrated systems is required.
   3. Construction: 2 inch deep reinforced ribs, interlocking ends and fastening points molded-in with concealed fasteners.

C. Top Panels: Fiberglass HSMC top panels provide high mechanical strength and rigidity, high surface quality, reduced heat build-up, and rust or denting resistance.
   2. Construction: Crowned stipple textured surface with 2 inch deep reinforced ribs and flush construction parallel to the Door Panel.

D. End Panels: Deep impressions to stiffen bottom and contoured corners.
   1. Material: Thermoformed high-impact ABS sheet
   2. Construction: Recessed center to accept display panel inserts

E. Design bicycle storage assemblies and provide clearances that will allow for installation tolerances and free unobstructed access to users.

F. Assemble units with concealed fasteners or locate fasteners in areas inaccessible when locker units are closed.

G. Doors: Manufactured to same material standards as the locker body and include recessed tamper proof door jambs. Doors should open and close easily without being forced.
   1. Integrated full length Latching System to help prevent door prying
   2. Built-in Rotary type mechanical locking mechanism (other types are available)
4. Construction: Crowned stipple textured surface with 2 inch deep reinforced ribs and flush construction parallel to the Top Panel.
5. Polycarbonate 1/4 inch X 11 inches X 11 inches viewing port.

H. Door Locks: Pop-out T-Handle Vending type mechanism with high security removable plug type cylinder lock for T-handle, UL 437 listed to exceed one million cycles operational testing. Locks are recessed and mounted internally for security.
   1. Key each locker door cylinder separately and supply (3) keys with each.
   2. All lock cylinders shall be completely re-keyable to new combinations.
   3. Contractor to label door keys with corresponding locker door number per manufacturer's requirement
   4. Lock Cylinders: Pick-resistant, high security type with angled key cuts and rotating disc tumblers as manufactured by Alboy Security Locks, Inc. (Executive Series) or approved equal.
   5. T-Handle Assembly: NAMA Rotary Vending Standard countersunk within door face.
   6. Furnish locking system in a factory restricted key selection for which uncut keys are not made available from the manufacturer's factory or any other source by normal distribution methods. All key duplication must be done at the factory or authorized service center upon properly authorized signature.

I. Identification: Include numerical identification aluminum plate with 3/4 inch high photo etched numbers mounted behind stainless steel escutcheon plate on locker door. Locker doors shall be labeled sequentially from (#) [ ______ ] to (#) [ ______ ] as directed by Owner.

J. Roof: Passive draining, having either channels or crowned top panels to remove water.

K. Leveling Brackets: Vertical adjustment of four (4) inches
   1. Concealed adjustable leveling brackets provided as integral component of framework.

L. Anchors: Securely attach lockers to mounting surface, where specified, on inside of locker.
   1. Anchoring system shall be removable to enable lockers to be relocated if necessary.
   2. Anchors and Fasteners to be structurally stressed not more than 50 percent of allowable stress when maximum loads are applied.

M. Hinge: Concealed, full length, piano hinge, corrosion resistant finish, 14 gauge steel with stainless steel rod. Pop-riveted attachment is not allowed.

N. Partitions: For dividing lockers into two compartments and separating lockers.
1. Exterior type Orientated Strand Board (OSB) panels or equivalent material with sealed edges and coated surfaces (standard).
2. SMC Composite panel (optional).
3. Perforated metal panels (optional).
5. Lexan and other high strength plastic panels (custom).

2.2 BICYCLE STORAGE LOCKERS DESCRIPTION

A. Series: CycleSafe ProPark See "Locker Data Sheet" for ordering

B. Models: Single-Tier (1-2) bike capacity

1. Door-View: DV, windows in doors only.

<table>
<thead>
<tr>
<th>Access Type</th>
<th>Starter #</th>
<th>Adder #</th>
</tr>
</thead>
<tbody>
<tr>
<td>2. Double-Entry: two-door access</td>
<td>(M02)</td>
<td>10003</td>
</tr>
<tr>
<td>3. Single-Entry: one-door access</td>
<td>(S01)</td>
<td>10018</td>
</tr>
</tbody>
</table>

C. Locker Dimensions:

1. Height: 4 feet, 2 1/2 inches.
2. Width: (Starter) 3 feet, 6 inches; (Adder) 3 feet, 2 inches
3. Depth: 6 feet, 5 1/2 inches.
4. Row Length: Varies depending upon banking configurations.

D. Bicycle Parking Spaces: Locker Capacity

1. Two-door, double ended access lockers: Two (2) triangular interior spaces per two-door locker unit to be no less than forty-six (46) inches high, seventy-two (72) inches deep, thirty-one (31) inches wide at opening and six (6) inches wide at rear.
2. One-door, single ended access lockers: One (1) rectangular interior space per single-door locker unit to be no less than forty-six (46) inches high, seventy-two (72) inches long and thirty-one (31) inches wide at opening.

2.3 ACCESSORIES


B. Electronic (Keyless) Door Access Locker Management (contact manufacturer for information and specification details).


C. Master keys will be sent by registered mail or UPS AOD (acknowledgement of delivery) from factory directly to the Owner (optional).
D. Locker Door Identification Number Plates: Manufacturer’s standard photo etched aluminum plate, concealed mounting, sequentially numbered with black numbers or letters of at least 3/4 inch (19mm) high. Mfr. # 10703.

E. Lock Weather Shield: to protect lock and T-Handle from moisture/freezing. Mfr. # 10792.

F. End Panel Options:
   2. Perforated metal panel punched bike logo (optional) others (custom).
   3. Bike logo silhouette vinyl sticker. Mfr. # 19915


I. LED Cabin Lights: Mfr #10788.

J. Poster Grip Snap-in Frame for recessed display side panel, [24 inch by 60 inch. Mfr # 19901] and non-recessed [44 inch by 72 inch. Mfr # 19905].

K. Floor Plate: One per bike space. Mfr. # 10671.


M. Door Check / Holdback Kit: for propping door open to allow unrestricted access. Mfr. # 10635.

N. Key Safe: Mechanical key storage box with programmable coded access. Mfr. # 11680.

2.4 FINISHES

A. Manufacturer’s factory applied oven baked on, semi-gloss stipple texture finish.

B. Bicycle locker finish: Exterior coated with Industrial grade two-part acrylic aliphatic polyurethane finish for maximum UV protection and graffiti cleaning resistance (ASTM Type 5 Industrial Maintenance Coating) (PPG PITTHANE® ULTRA or equal.

C. Locker Color: [“Sandstone” and "Taupe"; manufacturer standard color.] [__________ optional color.] and custom colors also available.

Part 3 Execution

3.1 INSTALLATION

A. Where installation on concrete is specified, install lockers on minimum 4 inch thick concrete slabs, sloped to provide drainage (maximum 2 degrees). For other
improved surfaces, such as pavers or asphalt, contact the Manufacturer for alternate installation procedures.

B. Fasten to concrete slab or improved surfaces with 5/16 inch RedHead style expansion anchors (furnished).

C. Set plumb and aligned. Level lockers true to plane with leveling plates and shims.

D. Field alteration of doors and frames to accommodate field conditions is prohibited.

E. Adjust doors, latching bar fastening screws, and hardware to operate smoothly, easily, properly, and without binding.

END OF SECTION
## BICYCLE STORAGE LOCKERS

### CycleSafe (ProPark) Series Bicycle Locker (Data Sheet)

<table>
<thead>
<tr>
<th>Part #</th>
<th>Model &amp; Option Description</th>
<th>(Examples)</th>
<th>[1] Door Option / Number of Bicycles</th>
<th>[2] Door Number / Number of Bicycles</th>
<th>[3] Shipping Weight in Lb / Kg</th>
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</table>

**Row Length**: M02 Lockers: Dims are 35-1/2" OAH x 42" GW x 77-5/8" GAL

- **IN**: 44" (CM) 1171
- **KG**: 464 (Lb) 1074
NOTES:
1. ALL MATERIALS MUST BE CLEAN AND FREE OF MILL LUBRICATION
2. ANY BLEMISHES OR RUST WILL NOT BE ALLOWED ON COMPLETED PRODUCTS

View A
2:1

Door Supports are

to be fastened to inner Rib of Verticals

See View A

Cycle Safe
947 Forest Hill Ave
Grand Rapids, MI 49506
www.cyclesafe.com

PROPAK-DV (M02) LOCKER (LOWER) TIER ASSEMBLY

[Diagram of a locker assembly with parts listed in a table]
ITEMS 6 & 7 COME PRE-ASSEMBLED ON DOOR #10741

ITEMS 11, 12 & 13 COME PRE-ASSEMBLED ON DOOR #10741

NOTES:
1. ALL MATERIALS MUST BE CLEAN AND FREE OF MILL LUBRICATION
2. ANY BLEMISHES OR RUST WILL NOT BE ALLOWED ON COMPLETED PRODUCTS
3. ITEM 5-13 ARE SUPPLIED AS THE STATIONARY DOOR ASSEMBLY #10741
ProPark {DV}
{Door-View} Assembly {Dims}
ITEM 10 & 11 COME PRE-ASSEMBLED ON DOOR #10741

ITEMS #13, 14 & 18 COME PRE-ASSEMBLED ON DOOR #10741

NOTES:
1. ALL MATERIALS MUST BE CLEAN AND FREE OF MILL LUBRICATION
2. ANY BLEMISHES OR RUST WILL NOT BE ALLOWED ON COMPLETED PRODUCTS
3. ITEMS #4, 10-18 ARE SUPPLIED AS THE STATIONARY DOOR ASSEMBLY #10741

PROPARK - DV (S01) LOCKER (LOWER) ADDER

Cycle Safe
947 Forest Hill Ave
Grand Rapids, MI 49546
www.cyclesafe.com
Locker Assembly
{M04} ~ {S02}

ProPark {DV}
{Door-View} Assembly {Dims}