Rev: 05-29-13



3-PART SPECIFICATION

BICYCLE STORAGE LOCKERS

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

PROPARK VT "VIEW-THRU" BICYCLE LOCKERS

These specifications were current at the time of publication, but are subject to change at any time without notice. Pleaser 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:

CATEGORY	SUB CATEGORY	CREDIT
Sustainable Sites	Alternative Transportation - Bicycle Storage	SS Credit 4.2
Innovation in Design	Innovation in Design	ID Credit 1

Rev: 05-29-13

Innovation in Operations	Innovation in Operations	IO Credit 1
Materials & Resources	Recycled Content	MR Credit 4
Smart Location & Linkage	Bicycle Network & Storage	SSL Credit 4
Neighborhood Pattern & Design	Regional Materials	NPD Credit 5
Neighborhood Pattern & Design	Transit Facilities	NPD Credit 7
Neighborhood Pattern & Design	Transportation Demand Management	NPD Credit 8

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.

Section 12 93 14 BICYCLE STORAGE LOCKERS Page 3 of 8

CycleSafe, Inc. Doc # QS4.2.008-B (VT)

Rev: 05-29-13

- 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.
 - 2. Material: Hot compression molded fiberglass reinforced plastic (HSMC) using polyester resin.
 - 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.
 - 1. Material: Hot compression molded fiberglass reinforced plastic (HSMC) using polyester resin.
 - 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 Polycarbonate 1/4 inch x 23 inches x 60 inches transparent panel.
- 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)

Rev: 05-29-13

Section 12 93 14 BICYCLE STORAGE LOCKERS Page 4 of 8

3. Material: Hot compression molded fiberglass reinforced plastic (HSMC) using polyester resin.

- 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. Clear Polycarbonate panels for full view-thru.

Rev: 05-29-13

Section 12 93 14 **BICYCLE STORAGE LOCKERS** Page 5 of 8

- SMC Composite panel (optional). 2.
- 3. Perforated metal panels (optional).
- 4. Custom Panels (optional).
- 5. Diagonal "Divider" Partition not required (Single-Entry).

2.2 BICYCLE STORAGE LOCKERS DESCRIPTION

- Series: CycleSafe ProPark See "Locker Data Sheet" for ordering Α.
- B. Models: Single-Tier (1-2) bike capacity
 - Door-View: VT, windows in door and sides. 1.

Acces	ss Type:		Starter #	Adder #
2.	Double-Entry: two-door access	(M02)	10007	10056
3.	Single-Entry: one-door access	(S01)	10043	10045

- 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
 - Two-door, double ended access lockers: Two (2) triangular interior spaces 1. per two-door locker unit to be no less than forty-six (46) inches high, seventytwo (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**

- Swing-Handle Latch with stainless steel bracket for utilizing 3/8" thick Padlock or Α. standard 3/4" maximum thickness bicycle U-Lock. Mfr. # 10720.
- B. Electronic (Keyless) Door Access Locker Management (contact manufacturer for information and specification details).
 - 1. Keypad and Key Entry: Trilogy DL6100. Mfr. # 15601.
 - 2. Keypad, Key, Proximity: Trilogy PDL6100. Mfr. # 16500.
- 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.

Rev: 05-29-13

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

F. End Panel Options:

- 1. View-Thru polycarbonate window: for security. Mfr. # 10964.
- 2. Perforated metal panel punched bike logo (optional) others (custom).
- 3. Bike logo silhouette vinyl sticker. Mfr. # 19915
- G. Coat Hooks: partition mounted for hanging personal items. Mfr. # 10791.
- H. Door-Mounted Storage Bin: for non-view thru models only. Mfr. # 10789.
- 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.
- L. Blue 2-3/8 inch x 4-5/8 inch Bike Parking Decal: Mfr # 10709.
- 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).

Rev: 05-29-13

Section 12 93 14 **BICYCLE STORAGE LOCKERS** Page 7 of 8

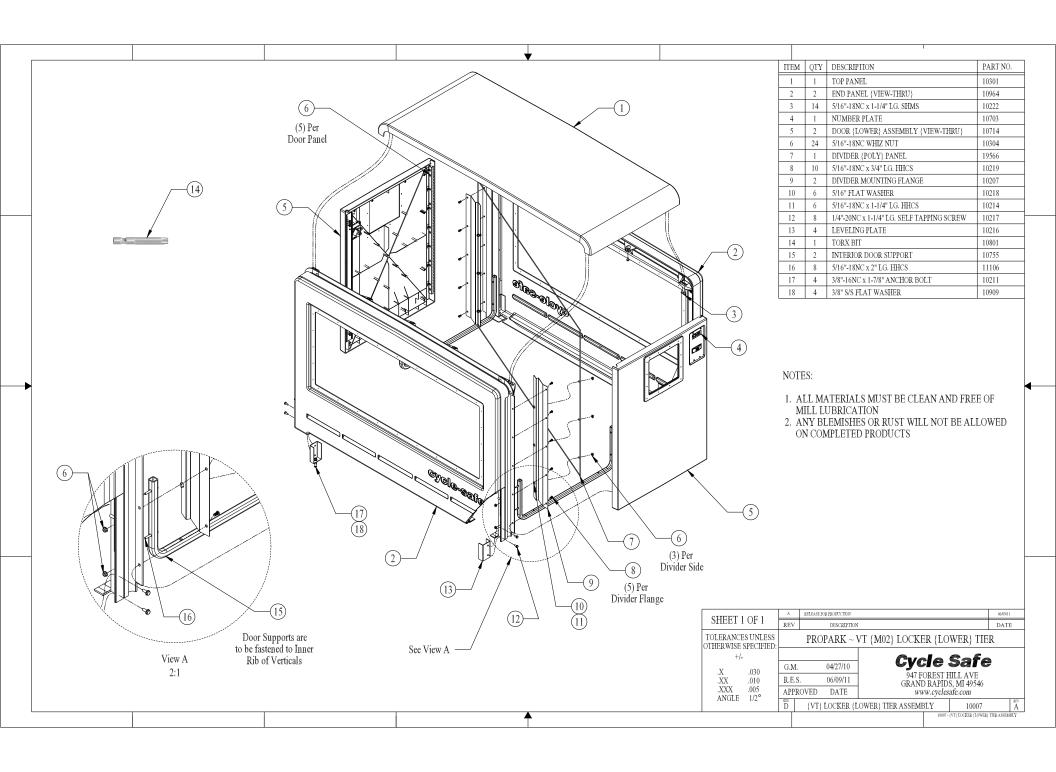
- C. Set plumb and aligned. Level lockers true to plane with leveling plates and shims.
- D. Field alteration of doors and frames to accommodate field conditions is prohibited.
- E. Adjust doors, latching bar fastening screws, and hardware to operate smoothly, easily, properly, and without binding.

END OF SECTION

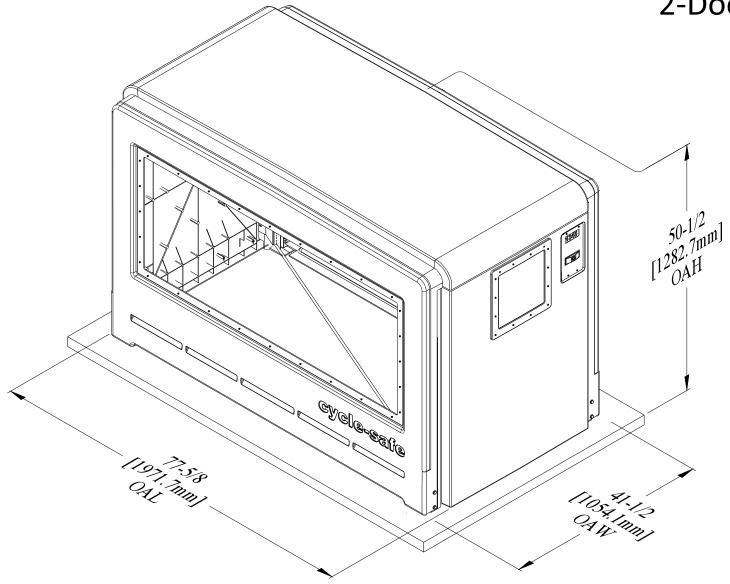
Rev: 05-29-13

CycleSafe {ProPark} Series Bicycle Locker {Data Sheet}

M	Model & Ontion Description	accrintion		(F)	{Fyamples}	Model	AmeN	90	Description	9	
tar	Standard Model + (odel + (1) Door = (1	= (1-2) Bike Capacity	L		SM	Standard	lard	No Windows	WS	
tar		odel + (2) Doors =	= (2) Bike Capacity	acity		DV	Door-View	/iew	Windows	Windows in Doors "Only"	۸
8		(2) Door Access =	= (2) Bike Capacity	acity		SV	Side-View	/iew	Windows	Windows in Sides "Only"	=_
de	Side-View + (4) Doc	(4) Door Access = (= (4) Bike Capacity	acity		VT	View-Thru	Thru	SwopuiW	Windows in Doors & Sides	des
iev	View-Thru + (6) Do	(6) Door Access = (6) Bike Capacity	(6) Bike Cap	acity		DT	Double-Tier	-Tier	Stacked Lo	Stacked Lockers & Spacers	ers
00	Double-Tier + (24)	+ (24) Doors = (24) Bikes Capacity	Bikes Capa	ıcity		M02 Loc	M02 Locker Dims are 50-1/2"	50-1/2" 0	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	OAH x 42" OAW x 77-5/8" OAL	JAL
6	/ John M. 2007 (C)	colored to medianist I labor	o learning		Meich	1	Madel	S. Line in S.	Melakt		dence
7	/ Ianoivi Joog	io jagilina	Dicycles	liiddiiic	Sinpping weight	Jar	iapoixi	Rindding	Shipping weight	MON	unguar wow
SM	-	SV	Λ	LB	KG	Number	DT/	LB	KG	Z	CM
02	2 02	05	02	450	204	M04	04	912	414	43	109
04	4 04	04	04	092	345	M08	80	1544	700	81	206
90	90 9	90	90	1120	208	M12	12	2276	1032	119	302
8	80 8	80	80	1350	612	M16	16	2748	1246	157	399
10	0 10	10	10	1740	789	M20	20	3540	1605	195	495
12	2 12	12	12	1970	894	M24	24	4012	1820	233	592
14	4 14	14	14	2280	1034	M28	28	4644	2106	271	889
16	5 16	16	16	2590	1175	M32	32	5276	2393	309	785
\sim	18 18	18	18	2900	1315	M36	36	2908	2680	347	881
20	0 20	20	20	3310	1501	M40	40	6740	3057	385	826
22	2 22	22	22	3590	1628	M44	44	7312	3317	423	1074
24	4 24	24	24	3870	1755	M48	48	7884	3576	461	1171
ı											
-	(1) Door Option /	otion / Number of Bicycles	Bicycles	Shipping	Shipping Weight	Part	Model	Shipping	Shipping Weight	Row I	Row Length
5	SM DV	SV	VT	87	KG	Number	DT/	LB	KG	N	CM
01	1 01	01	01	868	178	S02	02	798	362	43	109
02	2 02	05	02	646	293	S04	04	1316	296	81	206
03	3 03	03	03	946	430	908	90	1934	877	119	302
04	4 04	04	04	1122	509	808	08	2292	1040	157	399
05	5 05	02	05	1455	099	S10	10	2970	1347	195	495
90	90 9	90	90	1628	738	\$12	12	3328	1510	233	592
07	7 07	07	07	1881	853	S14	14	3846	1745	271	688
08	80 8	80	08	2134	896	S16	16	4364	1980	309	785
60	60 6	60	60	2387	1083	S18	18	4882	2214	347	881
10	0 10	10	10	2740	1243	\$20	20	2600	2540	385	978
11		11	11	2963	1344	\$22	22	6058	2748	423	1074
12	2 12	12	12	3186	1445	\$24	24	6516	2956	461	1171

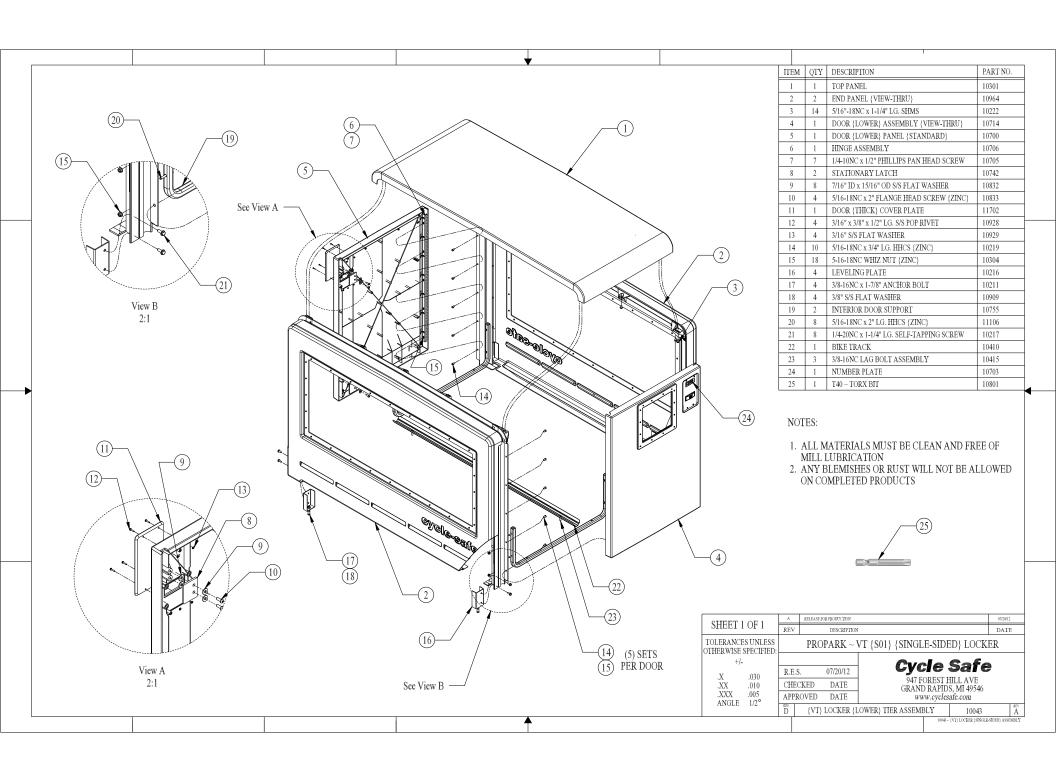


Locker Assembly 2-Door {M02}

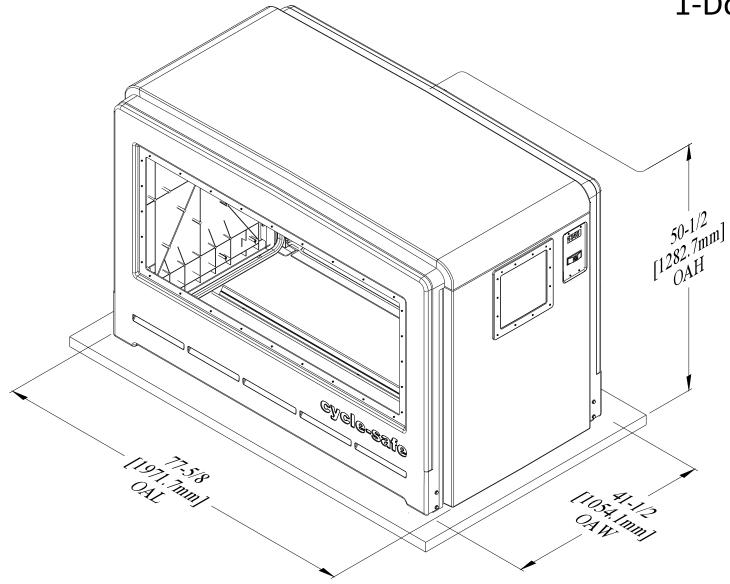


ProPark {VT} {View-Thru} Assembly {Dims}





Locker Assembly 1-Door {S01}



ProPark {VT} {View-Thru} Assembly {Dims}



