Doc # QS4.2.008-B (SM) Rev: 05-29-13



3-PART SPECIFICATION

BICYCLE STORAGE LOCKERS

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

PROPARK SM "STANDARD" 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 (SM)

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 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)

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

Rev: 05-29-13

Section 12 93 14 BICYCLE STORAGE LOCKERS Page 4 of 8

- Material: Hot compression molded fiberglass reinforced plastic (HSMC) 3. using polyester resin.
- 4. Construction: Crowned stipple textured surface with 2 inch deep reinforced ribs and flush construction parallel to the Top Panel.
- 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 kevs 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
 - Concealed adjustable leveling brackets provided as integral component of 1. 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.
- Hinge: Concealed, full length, piano hinge, corrosion resistant finish, 14 gauge. M. 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).

CycleSafe, Inc. Doc # QS4.2.008-B (SM) Rev: 05-29-13 Section 12 93 14 BICYCLE STORAGE LOCKERS Page 5 of 8

- 2. SMC Composite panel (optional).
- 3. Perforated metal panels (custom).
- 4. Clear Polycarbonate panels for full view-thru (optional).
- 5. Lexan and other high strength plastic panels (custom).
- 6. Diagonal "Divider" Partition not required (Single-Entry).

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. Standard Model: SM, no windows.

Acce	ess Type:		Starter #	Adder #
2.	Double-Entry: two-door access	(M02)	10001	12500
3.	Single-Entry: one-door access	(S01)	10017	10019

- 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

- A. Swing-Handle Latch with stainless steel bracket for utilizing 3/8" thick Padlock or 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).

Rev: 05-29-13

- 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:
 - 1. View-Thru polycarbonate window: for security. Mfr. # 10964.
 - 2. Perforated metal panel punched bike logo (optional) others (custom).
 - Bike logo silhouette vinyl sticker. Mfr. # 19915 3.
- 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.

FINISHES 2.4

- 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**

Where installation on concrete is specified, install lockers on minimum 4 inch thick A. concrete slabs, sloped to provide drainage (maximum 2 degrees). For other

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

Rev: 05-29-13

Section 12 93 14 BICYCLE STORAGE LOCKERS Page 7 of 8

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.

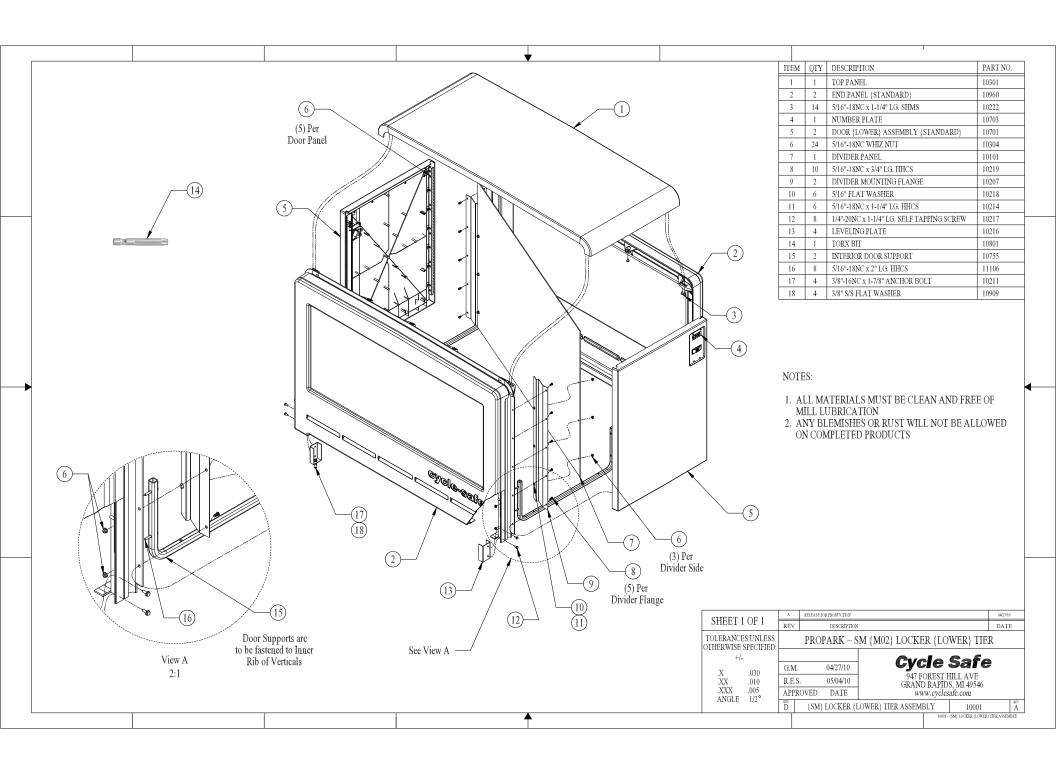
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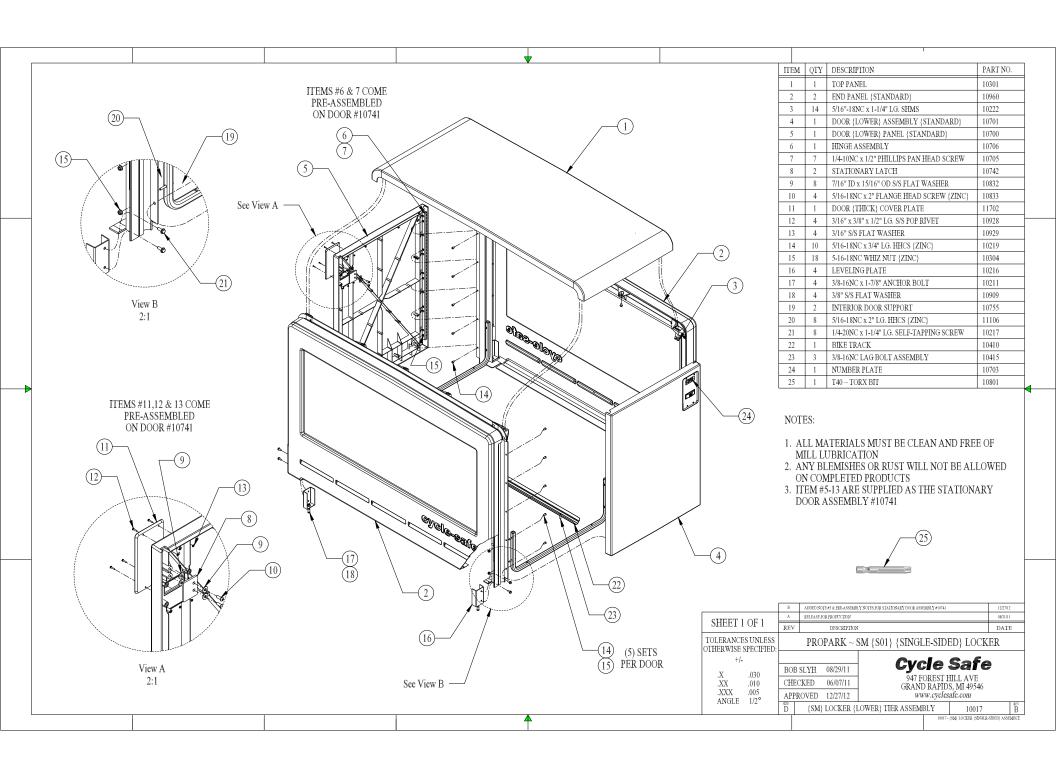
CycleSafe, Inc. Doc # QS4.2.008-B (SM)

Rev: 05-29-13

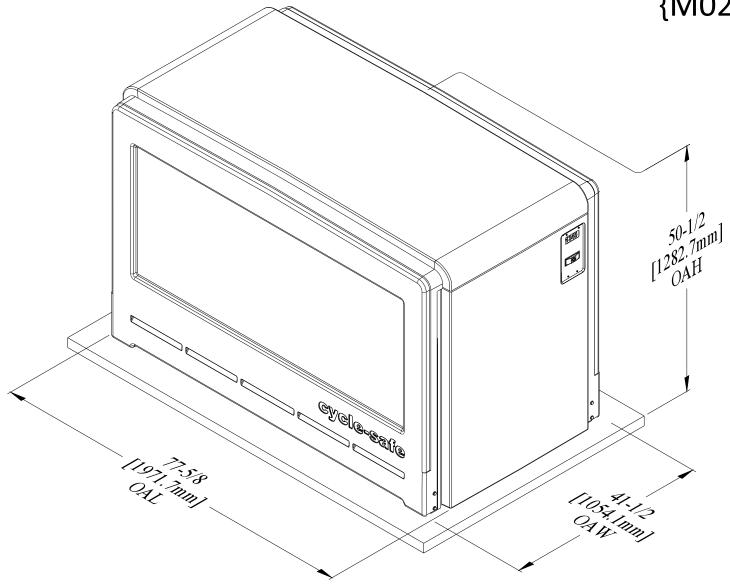
CycleSafe {ProPark} Series Bicycle Locker {Data Sheet}

Part #	Model & Optic	Option De	on Description		{Ey	{Examples}	Model	Name	ле	Description	on	
SM-S01	Standard Mod		 Door = (1 	el + (1) Door = $(1-2)$ Bike Capacity	acity		SM	Standard	ard	No Windows	SWS	
SM-M02	Standard Mod		2) Doors = (el + (2) Doors = (2) Bike Capacity	acity		DV	Door-View	/iew	Windows	Windows in Doors "Only	y"
DV-M02	Door-View + (2	w + (2) Doo	r Access =	.) Door Access = (2) Bike Capacity	acity		SV	Side-View	/iew	Windows	Windows in Sides "Only	
SV-M04	Side-View + (4)	$\overline{}$	r Access = (Door Access = (4) Bike Capacity	acity		VT	View-Thru	Fhru	Windows	Windows in Doors & Sides	des
VT-M06	View-Th	ru + (6) Doo	r Access =	View-Thru + (6) Door Access = (6) Bike Capacity	acity		DT	Double-Tier	Tier	Stacked L	Stacked Lockers & Spacers	ers
DT/SM-M24	Double-Tier +		oors = (24)	(24) Doors = (24) Bikes Capacity	city		M02 Loc	cker Dims are	50-1/2" 0	\Н x 42" ОА	M02 Locker Dims are 50-1/2" OAH x 42" OAW x 77-5/8" OAL	JAL
Part	(2) Door Mod	r Model / P	el / Number of Bicycles	Bicycles	Shipping	Shipping Weight	Part	Model	Shipping	Shipping Weight	Row L	Row Length
Number	SM	DV	SV	VT	LB	KG	Number	DT/	LB	KG	Z	CM
M02	05	02	05	02	450	204	M04	04	912	414	43	109
M04	40	04	40	04	092	345	M08	80	1544	700	81	506
90W	90	90	90	90	1120	208	M12	12	2276	1032	119	305
M08	80	80	80	80	1350	612	M16	16	2748	1246	157	399
M10	10	10	10	10	1740	789	M20	20	3540	1605	195	495
M12	12	12	12	12	1970	894	M24	24	4012	1820	233	592
M14	14	14	14	14	2280	1034	M28	28	4644	2106	271	889
M16	16	16	16	16	2590	1175	M32	32	5276	2393	309	785
M18	18	18	18	18	2900	1315	M36	98	8069	2680	347	881
M20	70	20	70	20	3310	1501	M40	40	6740	3057	385	826
M22	22	22	22	22	3590	1628	M44	44	7312	3317	423	1074
M24	24	24	24	24	3870	1755	M48	48	7884	3576	461	1171
Part	(1) Door Opti	r Option / I	on / Number of Bicycles	Bicycles	Shipping	Shipping Weight	Part	Model	Shipping	Shipping Weight	Row L	Row Length
Number	SM	DV	SV	VT	LB	KG	Number	DT/	LB	KG	N	CM
S01	01	01	01	01	393	178	S02	02	798	362	43	109
S02	02	02	02	02	646	293	504	04	1316	296	81	206
S03	03	03	03	03	949	430	908	90	1934	877	119	302
S04	04	04	04	04	1122	509	808	80	2292	1040	157	399
S05	05	02	05	05	1455	099	S10	10	2970	1347	195	495
908	90	90	90	90	1628	738	\$12	12	3328	1510	233	592
207	07	07	07	07	1881	853	S14	14	3846	1745	271	889
808	80	80	80	80	2134	896	\$16	16	4364	1980	309	785
808	60	60	60	60	2387	1083	518	18	4882	2214	347	881
S10	10	10	10	10	2740	1243	\$20	20	2600	2540	385	826
S11	11	11	11	11	2963	1344	\$22	22	8509	2748	423	1074
S12	12	12	12	12	3186	1445	524	24	6516	2956	461	1171





Locker Assembly {M02} ~ {S01}



ProPark {SM} {Standard} Assembly {Dims}



