



SAN FRANCISCO PLANNING DEPARTMENT

Letter of Determination

June 28, 2016

Richard Morell, CEO
PFL Spaces US LTD
2420 NE Sandy Boulevard, Suite 115
Portland, OR 97232

Site Address: N/A
Assessor's Block/Lot: N/A
Zoning District: N/A
Staff Contact: Eugenio Salcedo, 415-575-9139 or eugenio.salcedo@sfgov.org
Record No.: 2016-003093ZAD

Dear Mr. Morell:

This letter is in response to your request for a Letter of Determination regarding a number of bicycle parking systems developed by PFL Spaces. The request is whether seven bicycle parking systems developed by PFL Spaces, which include vertical, space efficient and high density bicycle racks, meet the design the standards of Zoning Administrator (ZA) Bulletin No. 9.

Any space efficient bicycle parking system that does not meet the specifications of ZA Bulletin No. 9 must be approved by the Zoning Administrator for determination of equivalency. ZA Bulletin No. 9 has minimum spacing requirements for "space efficient bicycle parking" systems. Space efficient bicycle parking systems are those that do not meet the clearance requirements established elsewhere in ZA Bulletin No. 9, but which "are designed in a way that would meet the basic requirements of an appropriate bicycle rack." Such minimum spacing requirements for vertical bicycle racks is set at 16 inches, measured from the mid-point of one rack to the mid-point of an adjacent rack. For double-decker lift-assist racks or other similarly designed space-efficient horizontal racks, the minimum spacing requirement between two racks' midpoints is 17 inches. Additionally, ZA Bulletin No. 9 explicitly states that in no case shall a bicycle parking space require lifting the bicycle's both wheels more than 12 inches off the ground.

Your request includes the following seven bicycle parking systems for consideration (also see attached table): 1) Pushbike Cradle; 2) Custom Steel Frame; 3) Sliding Cradle Frame; 4) Silver Bullet Frame; 5) Pushbike Track; 6) Pushbike Arc; and, 7) Pushbike Slide.

Four of the bicycle rack systems are vertical frame racks. The "Pushbike Cradle" frame and the "Custom Steel Frame" meet the minimum spacing requirements between racks as outline in ZA Bulletin No. 9. The rack spacing for the "Sliding Cradle Frame" is 14 inches when bicycles are parked; however, it features a sliding roller that allows racks to move laterally with relative ease, allowing users to easily place and remove their bicycles from the racks. The 4) "Silver Bullet Frame" features a dual-sided,

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Richard Morell, CEO
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Letter of Determination
PFL Spaces: Alternative Bicycle Parking Systems

staggered design and while these racks are spaced 10 inches apart from each other, they face opposite directions, creating a spacing of 20 inches for racks facing in the same direction. **Given this information, it is my determination that these four vertical parking systems are acceptable types of vertical bicycle parking spaces and satisfy the design standards in ZA Bulletin No. 9.**

The "Pushbike Track" parking system features a dual staggering and rolling mechanism ideal for structures with low clearances. However, the higher stagger rack requires the lifting of a bicycle's wheels approximately 15 inches off the ground. **Given this information, it is my determination that this space efficient parking system's higher stagger racks do not meet the design standards in ZA Bulletin No. 9 and will not satisfy the required bicycle parking spaces per Planning Code Section 155.2.**

The "Pushbike Arc" parking system is a double-decker lift-assist rack that features spacing of 16 inches between rack centers. Although ZA Bulletin No. 9 establishes a minimum clearance of 17 inches between bicycles for double-decker lift-assist racks, all other requirements are satisfied by this design. **Given this information, it is my determination that this parking system design meets the equivalency of an acceptable space efficient bicycle parking rack outlined in ZA Bulletin No. 9.**

Lastly, the "Pushbike Slide" parking system is a high-density horizontal parking rack that features a sliding mechanism designed to move racks freely. The spacing between the racks' centers when parked is 12 inches. But when racks are moved, a circulation zone is created to allow enough clearance between racks. **Given this information, it is my determination that his parking system meets the space efficient bicycle parking design standards of ZA Bulletin No. 9.**

Please not that a Letter of Determination is a determination regarding the classification of uses and interpretation and applicability of the provisions of the Planning Code. This Letter of Determination is not a permit to commence any work or change occupancy. Permits from appropriate Departments must be secured before work is started or occupancy is changed.

APPEAL: If you believe this determination represents an error in interpretation of the Planning Code or abuse in discretion by the Zoning Administrator, an appeal may be filed with the Board of Appeals within 15 days of the date of this letter. For information regarding the appeals process, please contact the Board of Appeals located at 1650 Mission Street, Room 304, San Francisco, or call (415) 575-6880.

Sincerely,



Scott F. Sanchez
Zoning Administrator

Attachment: Summary Table - PFL Spaces - Bicycle Racks

cc: Citywide Mailing List
Eugenio Salcedo, Planner

Summary Table - PFL Spaces - Bicycle Racks					
Frame Type	Model	Spacing between Racks	Min. Spacing per rack per ZAB No. 9	Require Lifting?	Satisfy ZA Bulletin No. 9?
Vertical Bicycle Rack	1) Pushbike Cradle	16" (staggered) or 24" (single tier)	16"	Yes- less than 12"	Yes
Vertical Bicycle Rack	2) Pushbike Cradle - Custom Steel Frame	16" (staggered) or 24" (single tier)	16"	Yes- less than 12"	Yes
Vertical Bicycle Rack	3) Pushbike Cradle - Sliding Cradle Frame	14" parked; horizontal sliding for circulation zone	16"	Yes- less than 12"	Yes
Vertical Bicycle Rack	4) Pushbike Cradle - Silver Bullet Frame	10" centers; 20" every other rack	16"	Yes- less than 12"	Yes
Space Efficient Bike Rack	5) Pushbike Track	16"	17"	Yes- lower stagger approximately 4"; Yes- higher stagger approximately 15"	Yes for lower stagger; No for higher stagger
Double-decker Lift-assist Rack	6) Pushbike Arc	Single stagger: 12" Double stagger: 24"	17"	No	Yes
High Density Parking	7) Pushbike Slide	12" centers; 24" minimum clear circulation with slide	17"	No- lower tier; Yes- higher tier minimal lifting	Yes



R# 2016-003093ZAD

CK# 1067 \$645. -

C. TEAGUE



2420 NE Sandy Blvd | Suite 115 | Portland, OR | 97213
EIN - 61-1750278

Attention: Zoning Administrator
Planning Department | City and County of San Francisco
1650 Mission Street, Suite 400
San Francisco, CA 94103

Richard Morell | CEO
PFL Spaces US LTD
2420 NE Sandy Boulevard, Suite 115
Portland, OR 97232

18 February 2016

To the Zoning Administrator,

Re: approval for alternative bicycle parking systems as referenced in the Zoning Bulletin

Please find outlined below and attached a request and supporting cut sheet documentation for the approval of a number of bike parking systems designed and manufactured by PFL Spaces - a global thought leader in innovative and functional bike parking with experience exceeding 200 projects in commercial office, residential and university campuses.

Our parking systems are variations of vertical, horizontal and double tier parking - driven by innovation with an emphasis on limiting the amount of lifting and/or maneuvering by cyclists in order that the process of parking is safe and seamless.

We are seeking the approval for the following products in the City of San Francisco as we are working loosely with a number of commercial and residential owners, developers and managers.

Please feel free to contact me directly with any questions.

Sincerely,

Richard Morell
CEO
PFL Spaces US LTD

1-888-218-3433



End-to-end, end-of-trip.

Richard Morell

CEO | North America
Toll Free: 1888 218 3433
Cell: +1 503 704 3776
richard@pflspaces.com

pflspaces.com



~~Signed and accepted by~~

Name: Richard Morell

Signature:

Date: 2-19-16



 PennyFarthings  FreshLocker

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EIN - 61-1750278

Pushbike Cradle – vertical

Designed for bike riders not weight lifters, this vertical parking rack cradles the front tire, reducing lifting issues normally experienced with vertical parking. Its unique parking method also prevents damage to rims and spokes.

The Pushbike Cradle has a variety of framing options available and us U or D lock compatible.

See attached cut sheet and demonstration video at <http://pflspaces.com/products/#pushbike-parking>





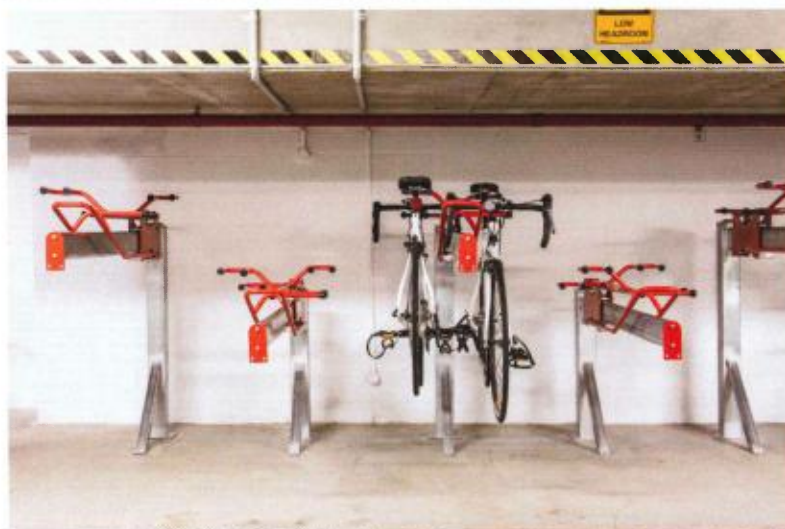
2420 NE Sandy Blvd | Suite 115 | Portland, OR | 97213
EIN - 61-1750278

Pushbike Track – horizontal

The Pushbike Track is the latest in revolutionary pushbike parking. The design uses a patented combination of nose to tail holding, dual staggering and a rolling mechanism. These key features dynamically change the way the space works and allow users to load and lock whilst in the circulation aisle.

The Pushbike Track is a floor-mounted system that is U or D lock compatible.

See attached cut sheet and demonstration video at <http://pflspaces.com/products/#pushbike-parking>





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EIN - 61-1750278

Pushbike Arc – double tier horizontal

The Pushbike Arc has the whole package – it's compact and makes an impact. With its sleek design, this high density, secure parking system has revolutionized 2-tier compact bike parking with a unique holding mechanism allowing for easy lifting.

It's a floor mounted system and features as moveable steel arm to allow for U or D locks to be secured to all bike frames.

See attached cut sheet and demonstration video at <http://pflspaces.com/products/#pushbike-parking>





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EIN - 61-1750278

Pushbike Slide – compact, staggered horizontal

The Pushbike Slide allows for high density parking with reduced bike clash points and good circulation space between bikes. Its slide system orients bikes horizontally, so bikes can be moved laterally.

It's a floor-mounted system and is U or D locks compatible.

See attached cut sheet



Designed for bike riders not weight lifters, this vertical parking rack cradles the front tyre, reducing lifting issues normally experienced with vertical parking. It's unique parking method also prevents damage to rims and spokes. And yes, you can use your U-lock on it too. The Pushbike Cradle has a variety of framing options available.



Budget \$USD	\$130 per bike unit
Capacity/Unit	1 Bicycle
Material	Mild Steel
Spacing	1'-4" centers (staggered) OR 2'-0" centers (single tier)
Min. Ceiling Height	7'-2"
Aisle Widths	5'-0"
Customizations	Custom powder coating colour (min quantity of 20)



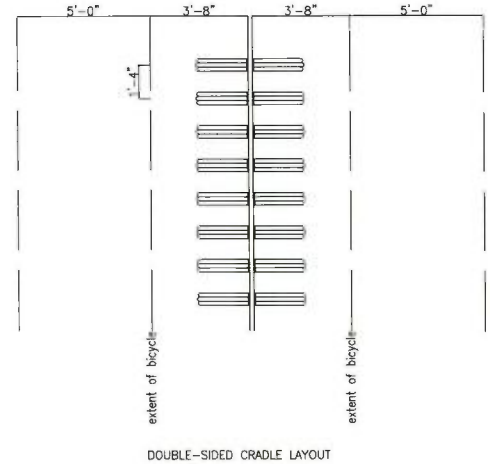
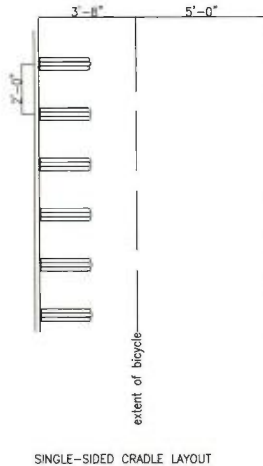
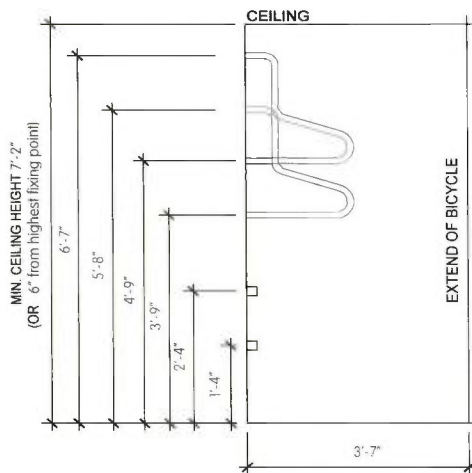
CUSTOM STEEL FRAME

The custom steel frame is to be used when you have an area with no existing walls.

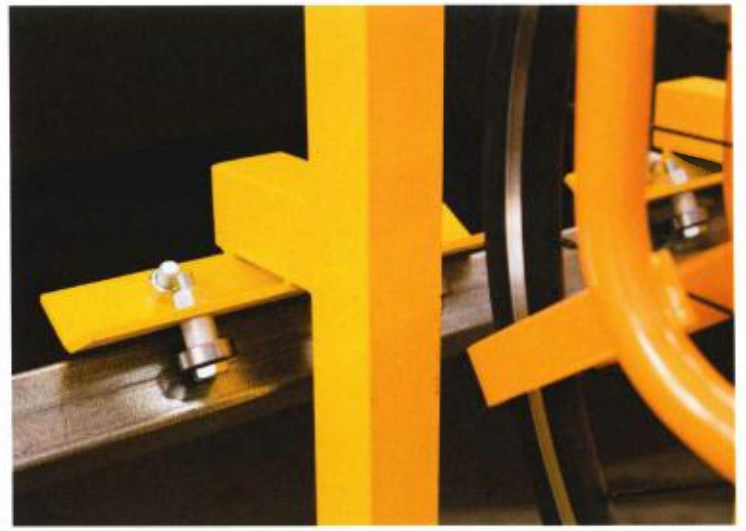
Budget \$USD	\$130 unit + \$70 framing
Capacity/Unit	1 Bicycle
Materials	SHS verticals & SHS horizontals
Spacing	1'-4" centers (staggered) OR 2'-0" centers (single tier)
Min. Ceiling Height	7'-2"
Aisle Widths	5'-0"
Customizations	Custom powder coating colour (min quantity of 20)

Side elevation - mounting height

Plan & layout



NB: the above diagrams refer to both the Pushbike Cradle unit & custom steel frame.

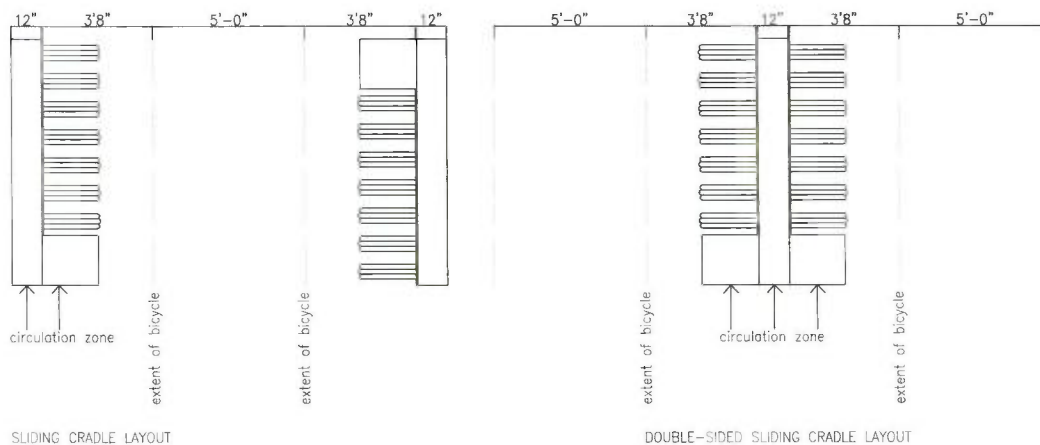


SLIDING CRADLE FRAME

The Sliding Cradle frame, allows the vertical parker to move laterally thanks to the patented sliding roller.

Budget \$USD	\$130 unit + \$255 framing
Capacity/Unit	1 Bicycle
Material	Nylon frame
Spacing	1'-2" centers
Min. Ceiling Height	7'-6"
Aisle Widths	5'-0"
Customizations	Custom powder coating colour (min quantity of 20)

Layout



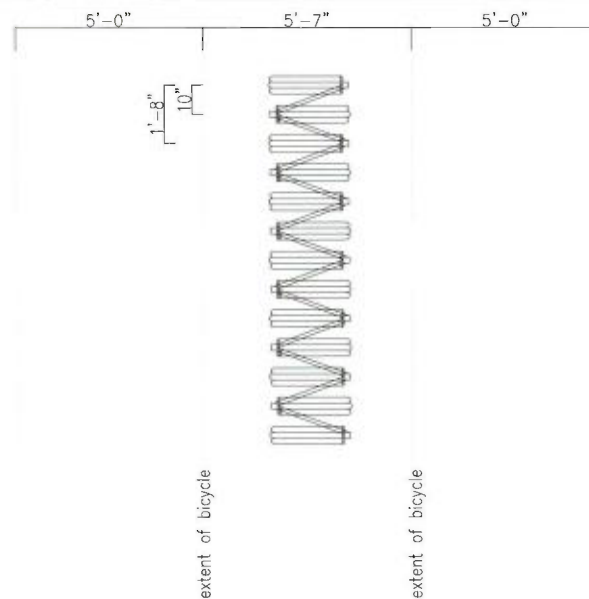


SILVER BULLET FRAME

The Silver Bullet frame recesses two rows of Pushbike Cradles together to save 1'-7" per double row.

Budget \$USD	\$130 unit + \$185 framing
Capacity/Unit	2 Bicycles
Material	Nylon frame
Spacing	10" centers (dual sided, staggered)
Min. Ceiling Height	7'-2"
Aisle Widths	4'-11"
Customizations	Custom powder coating colour (min quantity of 20)

Layout



For more information contact design@pflspaces.com

The Pushbike Track is the latest in revolutionary pushbike parking. The design uses a patented combination of nose to tail holding, dual staggering and a rolling mechanism. These key features dynamically change the way the space works and allow users to load and lock whilst in the circulation aisle.

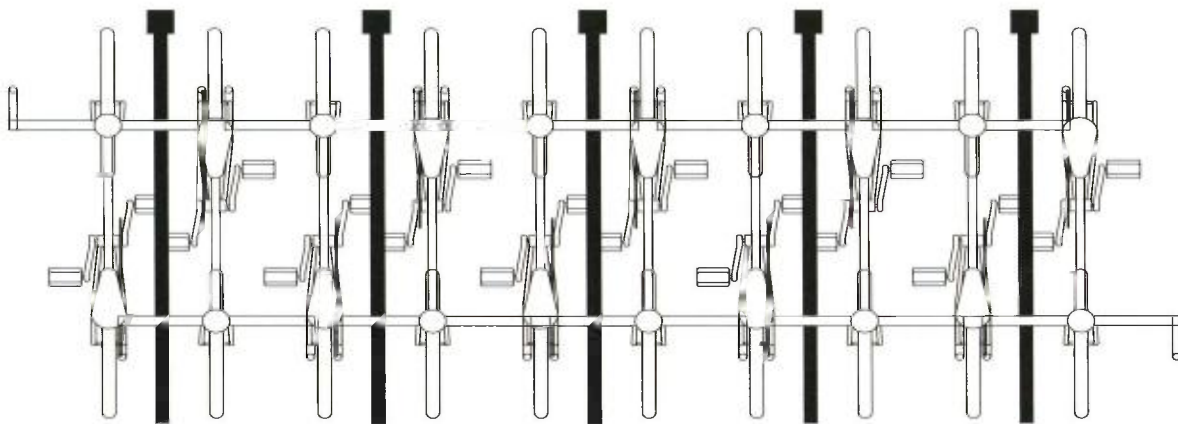


Budget \$USD	\$285 per bike
Capacity/Unit	2 Bicycles per unit
Materials	Mild Steel - powder coated carriage, cold galvanised rail.
Spacing	1'-4" centers per bike
Min. Ceiling Height	5'-9"
Aisle Widths	4'-11"
Customizations	Custom powder coating colour (min quantity of 20)

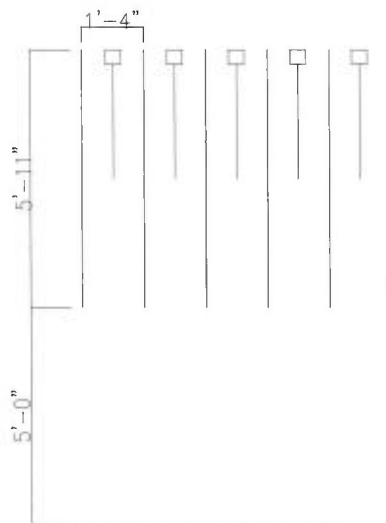


Note: Refer to pflspaces.com/downloads for working drawings.

Plan



Layout



For more information contact design@pflspaces.com

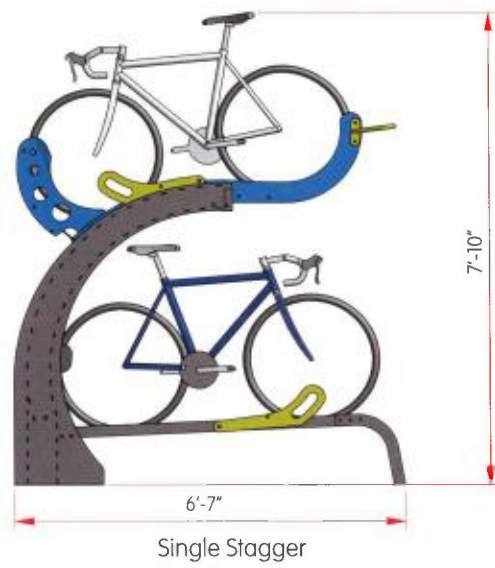
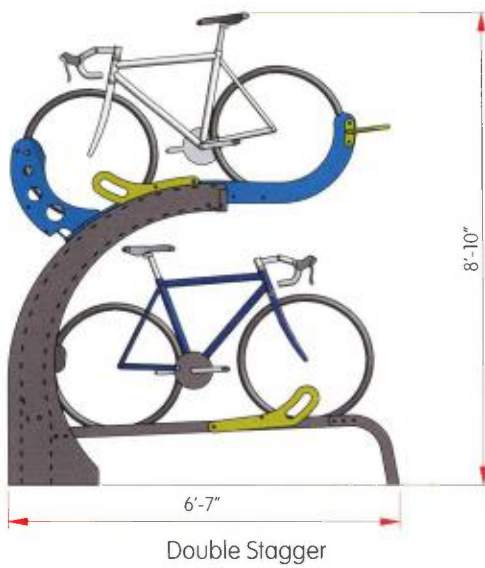
The Pushbike Arc has the whole package – it's compact and makes an impact. With its sleek design, this high density, secure parking has revolutionized the 2 tier compact bike parking systems with a unique holding mechanism allowing for easy lifting.



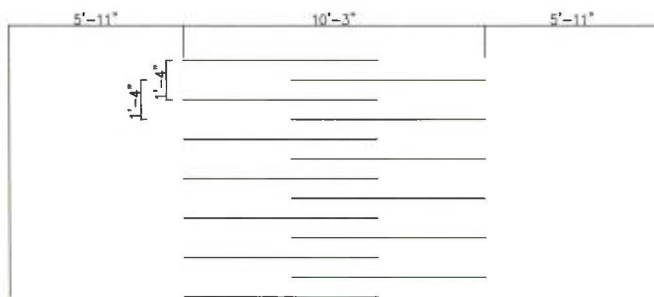
Budget SUSD	\$600/ per bike
Capacity/Unit	2 Bicycles
Materials	Aluminum Arc & Mild steel base with aluminum arc.
Finishes	Powder coated
Spacing	Single Stagger 1'-4" Centers Double Stagger 2'-0" Centers
Min. Ceiling Height	8'-10"
Aisle widths	5'-10"



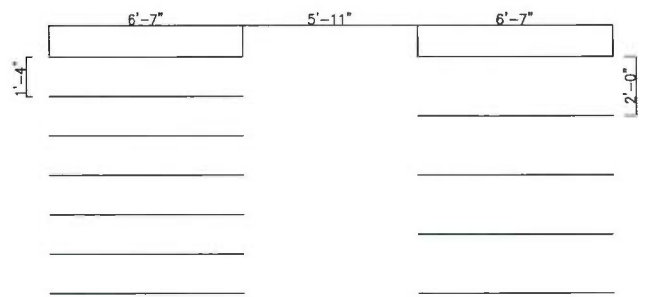
Side Elevation



Plan & Layout



Double sided double staggered layout



Single sided double staggered layout

Single sided single staggered layout



For more information contact design@pflspaces.com

The Pushbike Slide allows for high density parking with reduced bike clash points and good circulation space between bikes. Its slide system orients bikes horizontally, so bikes can be moved laterally.



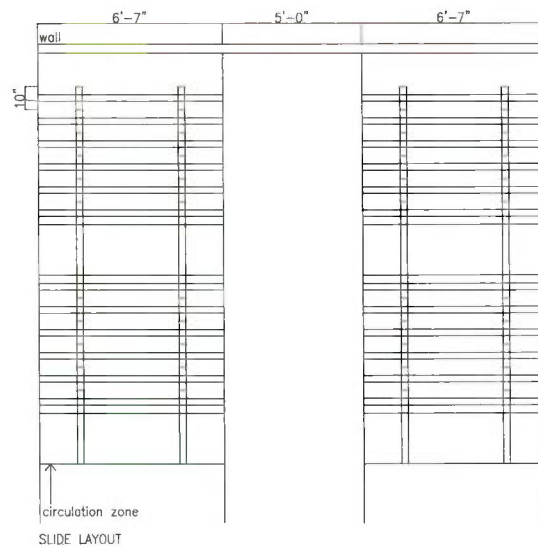
Budget \$USD	\$285
Capacity/Unit	1 Bicycle
Material	Mild steel powder coated green
Spacing	1'-0" centers includes circulation
Min. Ceiling Height	7'-0"
Aisle Widths	4'-11"
Customizations	Custom powder coating colour (min quantity of 20)



Section, Elevation & Perspective



Plan & Layout



For more information contact design@pflspaces.com