

Document Reference:

# BREEAM Fit out 2008 Information Pack

## Transport Tra3: Cyclist Facilities

Project:

# Eagle House

161 City Road, London, EC1V 1AW

Client:

Avanta

Project Reference:

162EAGL\_CP-ACCP\_151014

Date:

23/01/2015

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The purpose of this information pack is to provide relevant details about the proposed indoor cycle parking facilities for Eagle House. The following pages detail proposed location, number of units, as well as the workings of the ACCP-V. This document proves that the ACCP-V can achieve high density cycle parking, with spacing less than the BREEAM recommended 600mm, without compromising the usability of the product.

**ACCP-V  
(Advanced Compact Cycle Parking - Vertical)**

High value bicycle caring cycle parking rack, ideal for secure cycle storage areas with limited space. Achieved with either single or double sided rows of high density cycle parking. The ACCP-V includes a unique bike caring SoftDock technology.

Can park:

- All styles of bicycle
- 24 - 29" wheels
- whole bike securely with only one lock

**Linear Parking :**

A horizontal spacing of 450mm (centre of bikes) with ACCP-V (High) offset 100mm behind ACCP-V (Low) achieves:

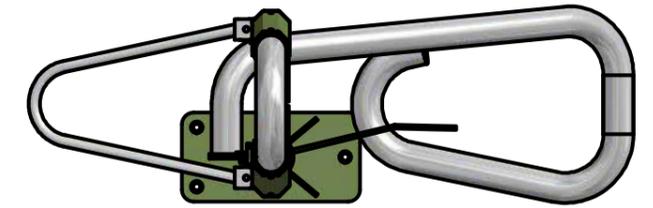
- 1.45 bikes/m<sup>2</sup>
- 2.44 bikes/Lm
- Footprint without bike: 2.2 units/Lm

**Back to Back Parking:**

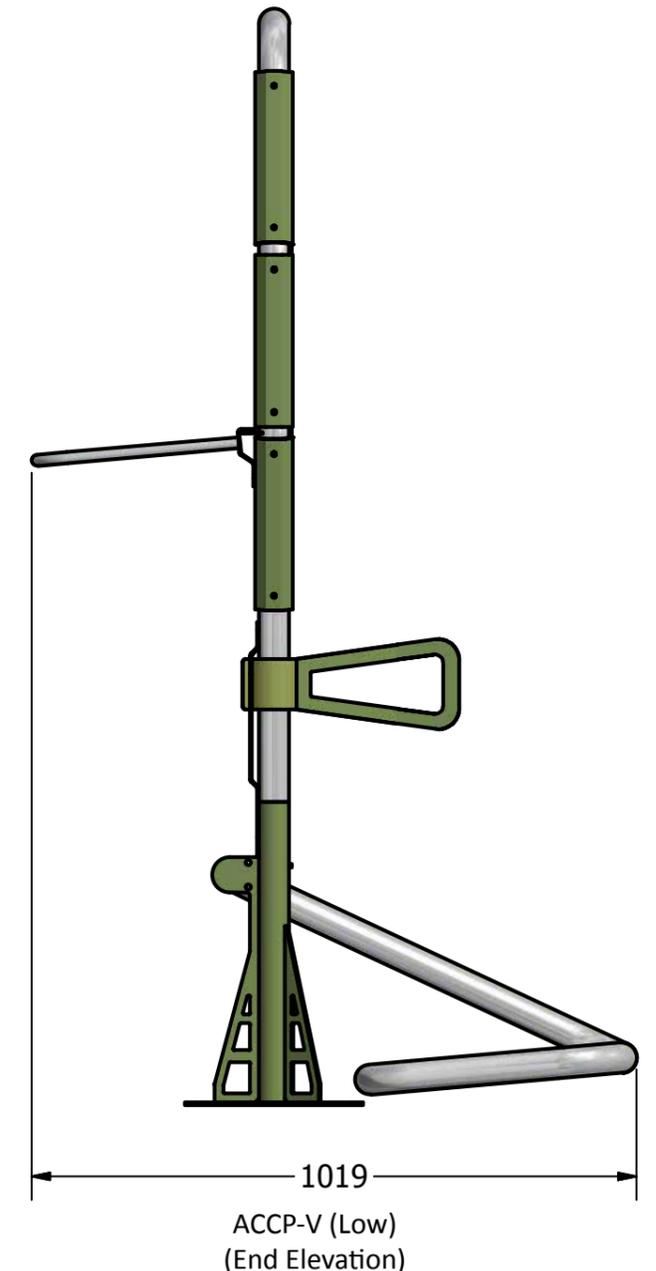
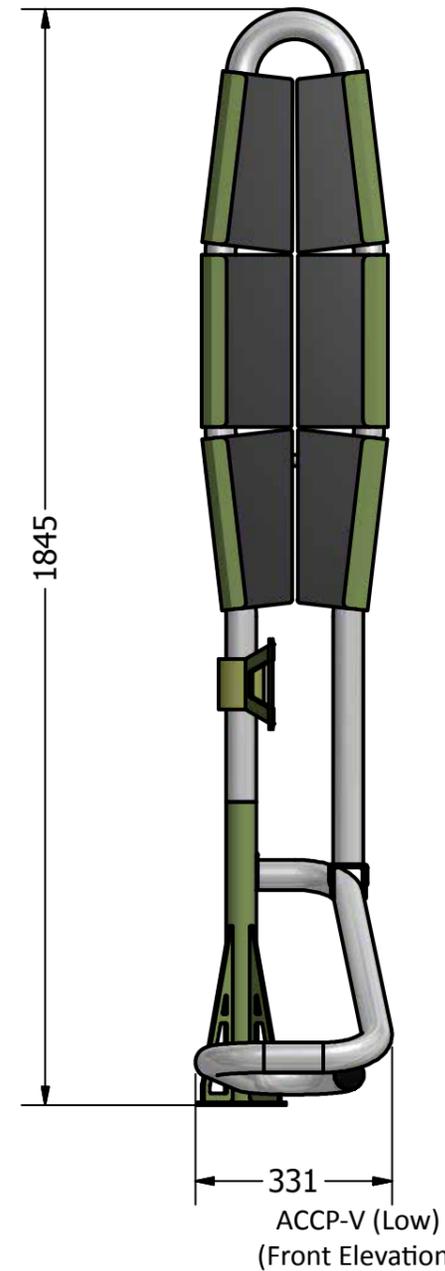
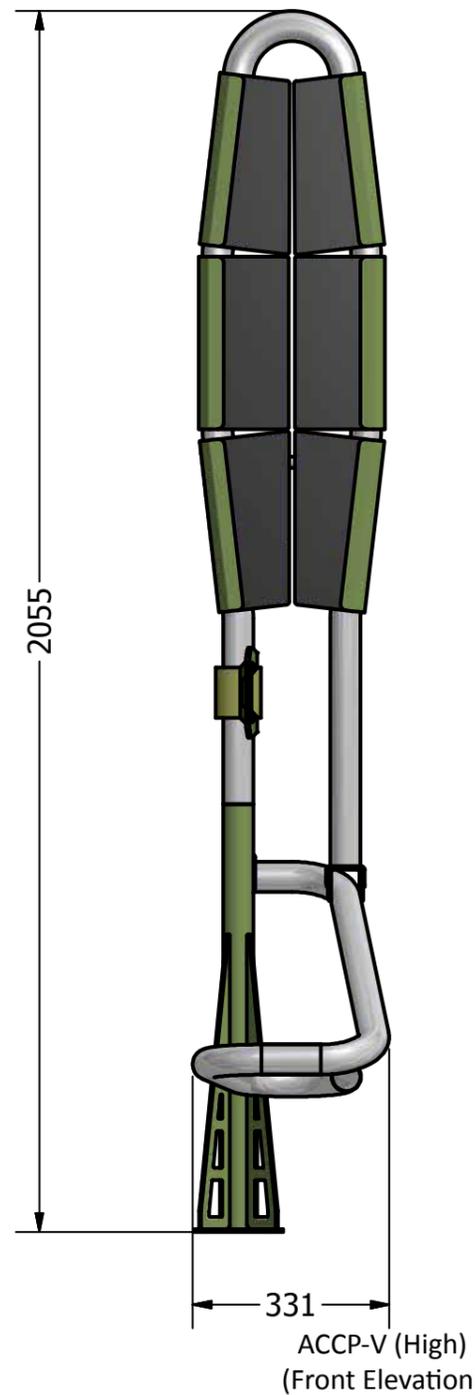
A horizontal spacing of 330mm for alternate side parking achieves:

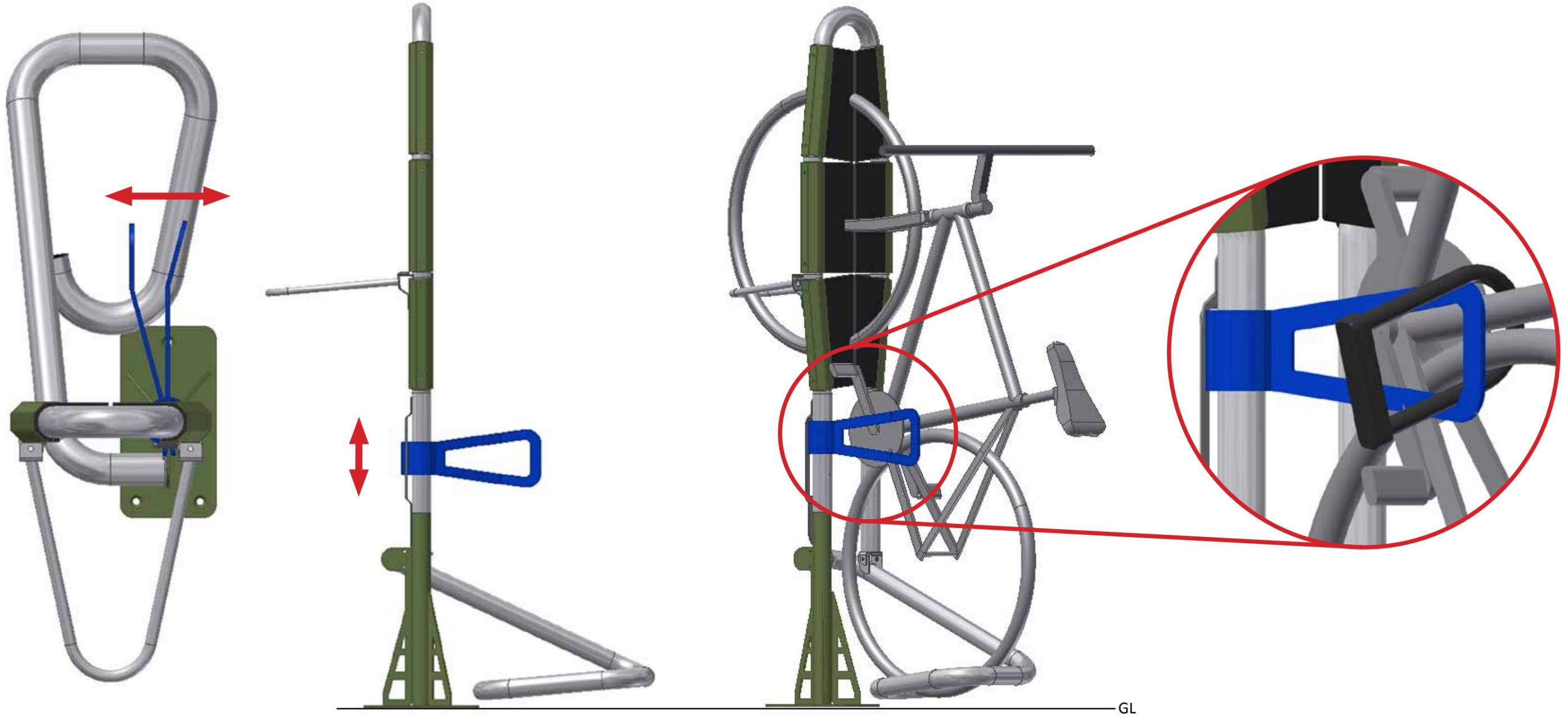
- 1.66 bikes/m<sup>2</sup>
- 3 bikes/Lm
- Footprint without bike: 3/Lm

For more information see product specification sheet (Appendix A)



ACCP-V (Low)  
(Plan)





### Horizontal Rotation

The locking handle is out of the way for loading and unloading. It then rotates into the frame when parked to allow for secure locking.

### Vertical

The locking handle has the ability to slide up and down to accommodate different wheel/frame sizes.

### Secure Locking

The front wheel is securely parked in the silicone SoftDock, once the bicycle is locked the front wheel can not be removed.

To lock the bicycle securely, lock through the rear wheel, frame and locking handle (1 lock system).

**Proof of no clashes - Front Elevation**

**Horizontal spacing**

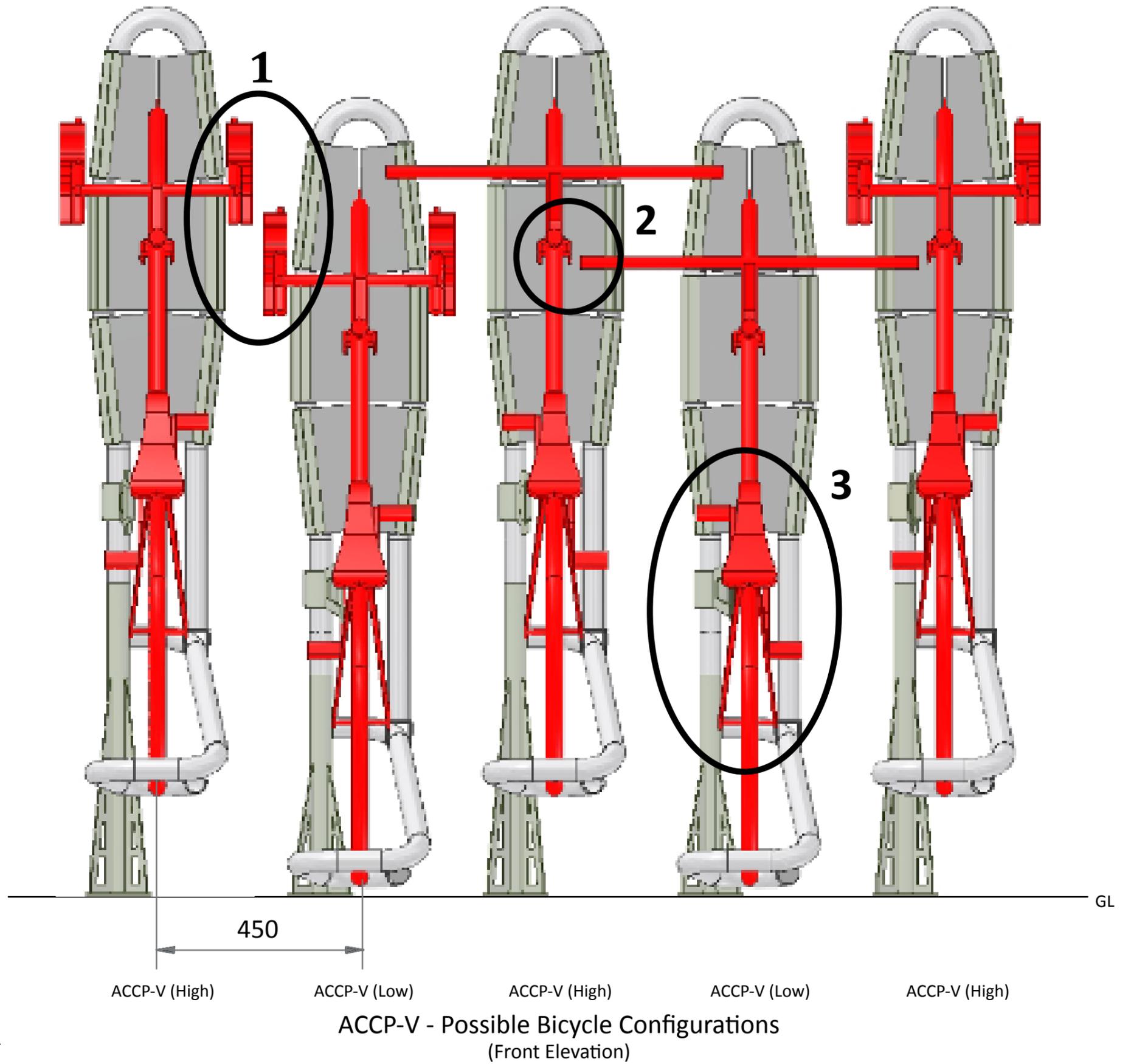
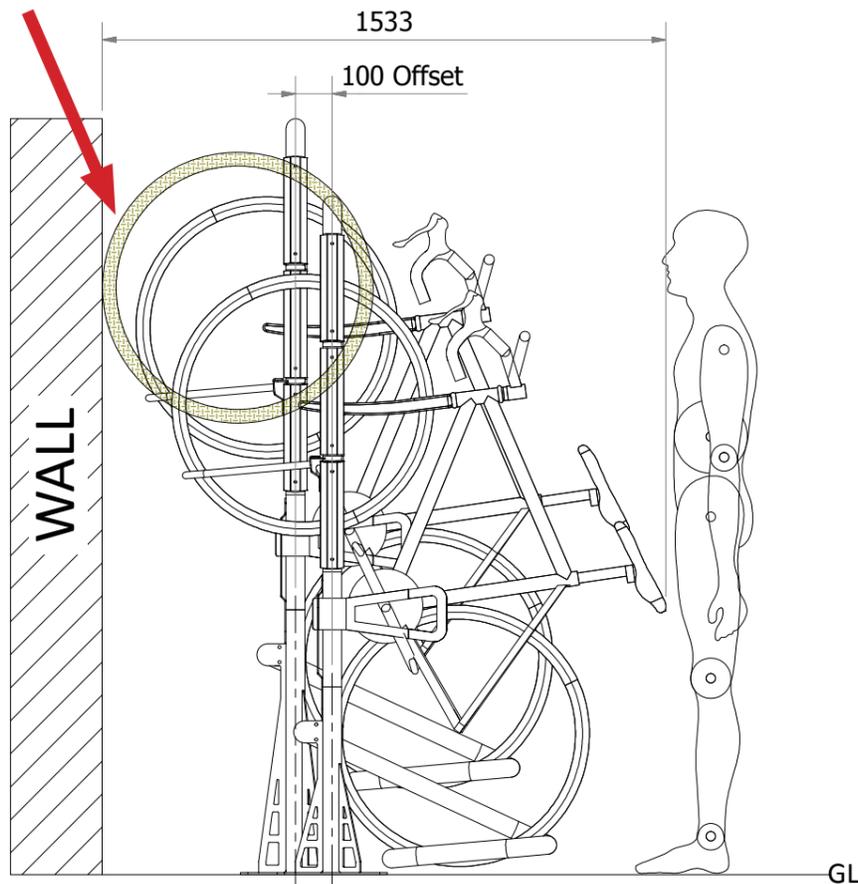
A horizontal spacing of 450mm ensures:

1. Any adjacent bikes with racing handles will not foul each other\*
2. Any bike with standard handlebars will not foul on the adjacent bike frame\*\*
3. The pedals/gears/drivetrain of adjacent bikes will not foul each other or the parking system

**Vertical spacing**

Alternating the height of adjacent ACCP-V's ensures that there are no interferences between a moving bike and a static neighbouring bike. This is illustrated in the following pages showing all possible configurations.

No lost space (with 29" wheel)



\*based on the assumption that the widest racing handlebars are 440mm  
 \*\*based on the assumption that the widest standard handlebars are 780mm

**Proof of no clashes - Front Elevation**

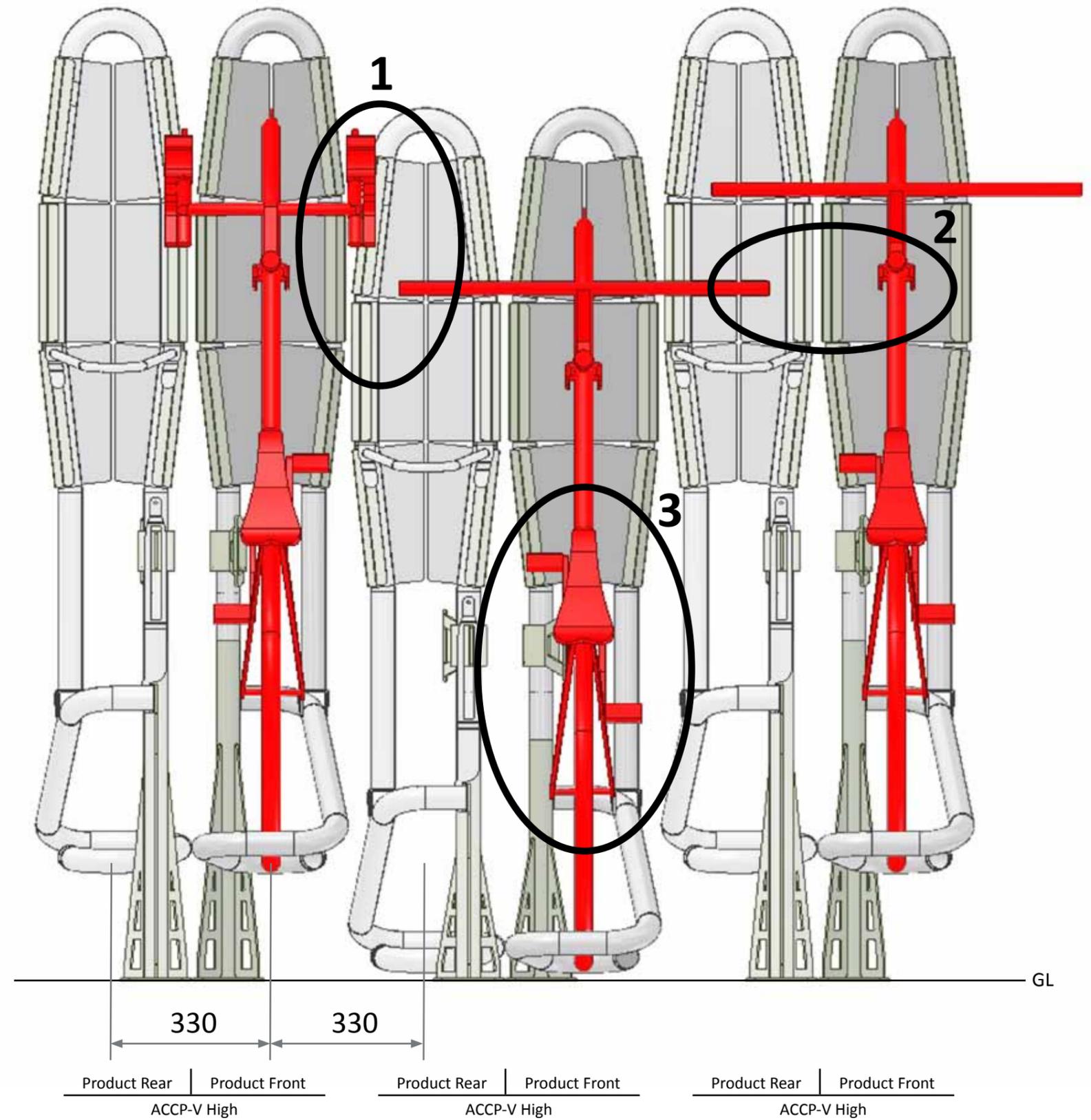
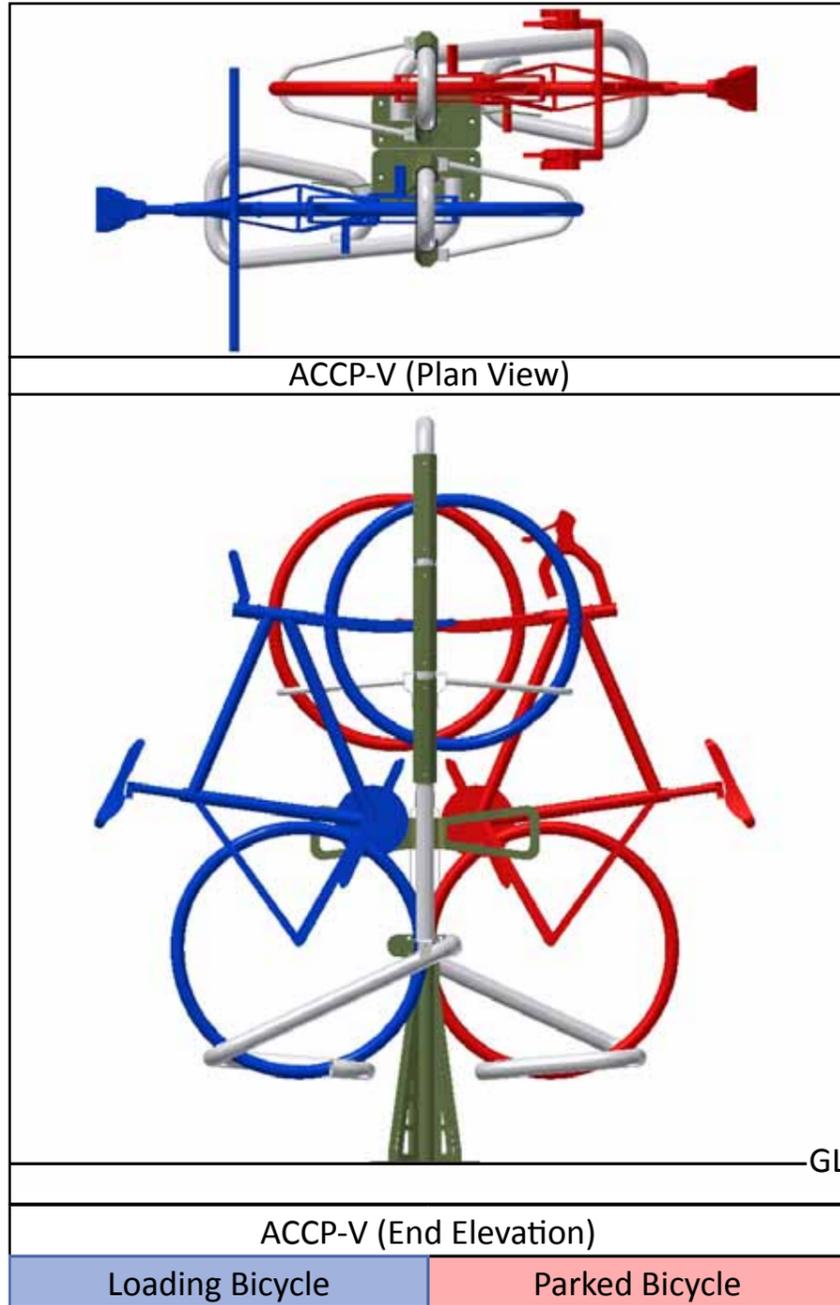
Horizontal spacing

A horizontal spacing of 660mm between centres ensures that:

1. Any bike with racing handles will not foul any part of the bike entering from the opposite direction\*
2. Any bike with standard handlebars will not foul on the adjacent bike frame\*\*
3. The pedals/gears/drivetrain of adjacent bikes will not foul each other or the parking system

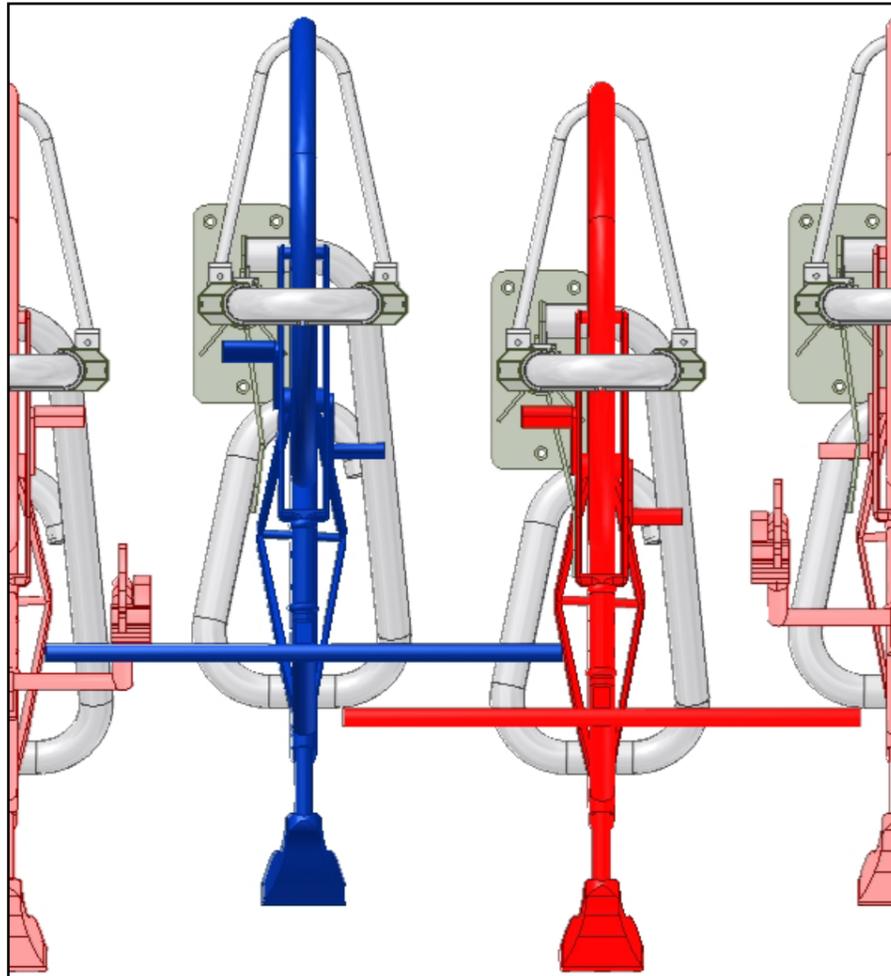
Vertical spacing

Refer to Linear layout.

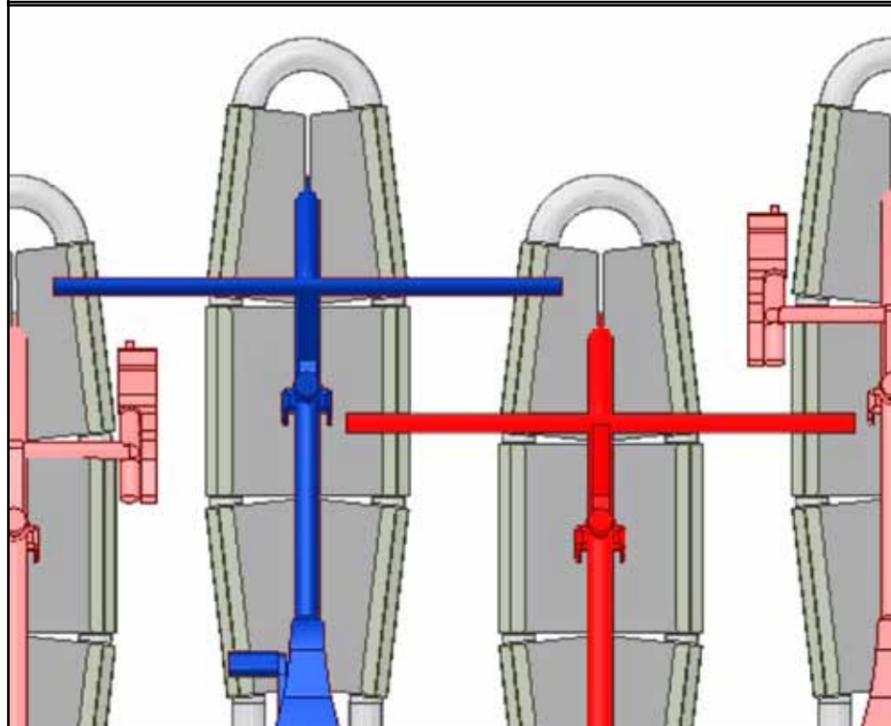


**ACCP-V Back to Back - Possible Bicycle Configurations**  
(Front Elevation)

\*based on the assumption that the widest racing handlebars are 440mm  
\*\*based on the assumption that the widest standard handlebars are 780mm



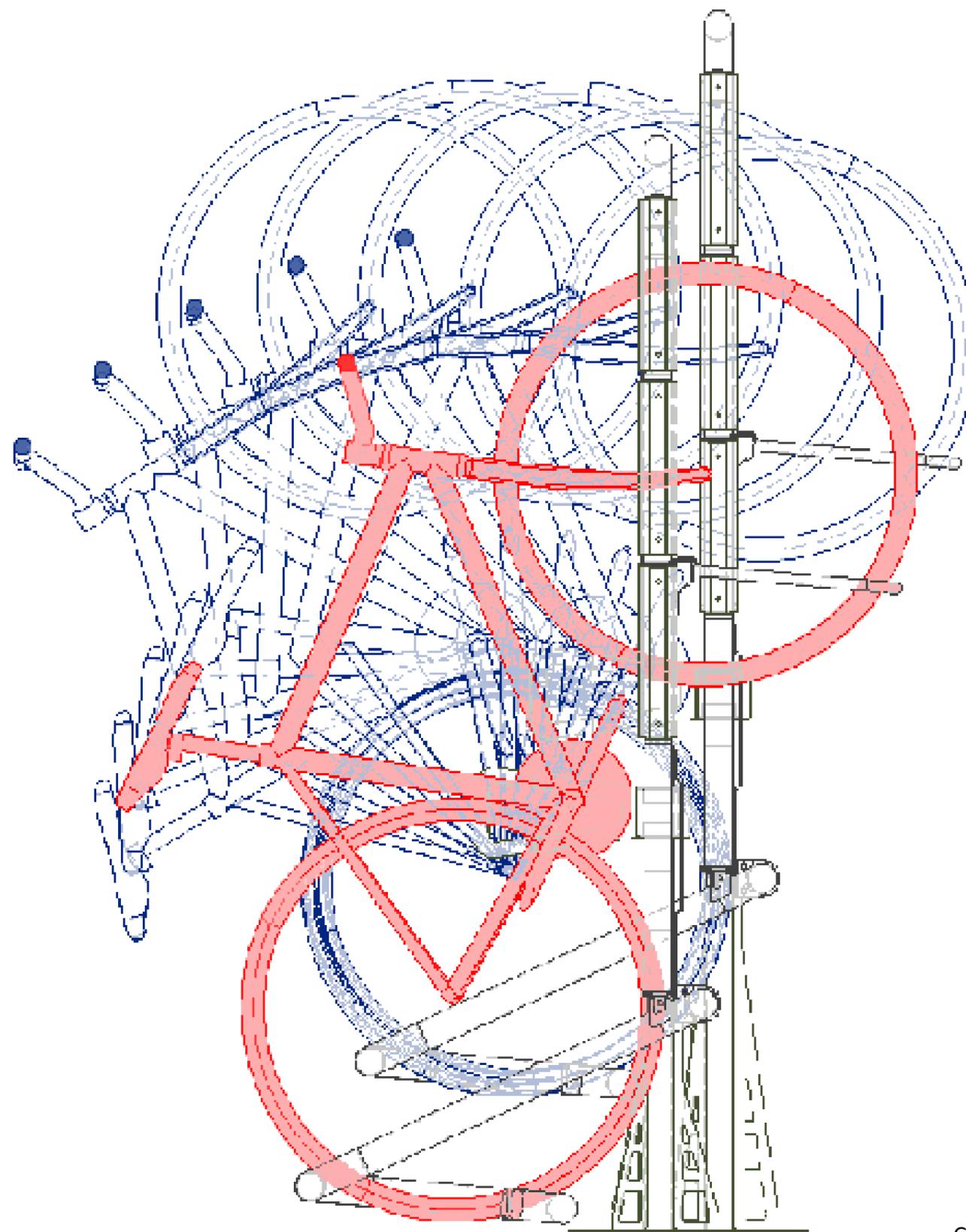
ACCP-V Plan



ACCP-V Front Detail

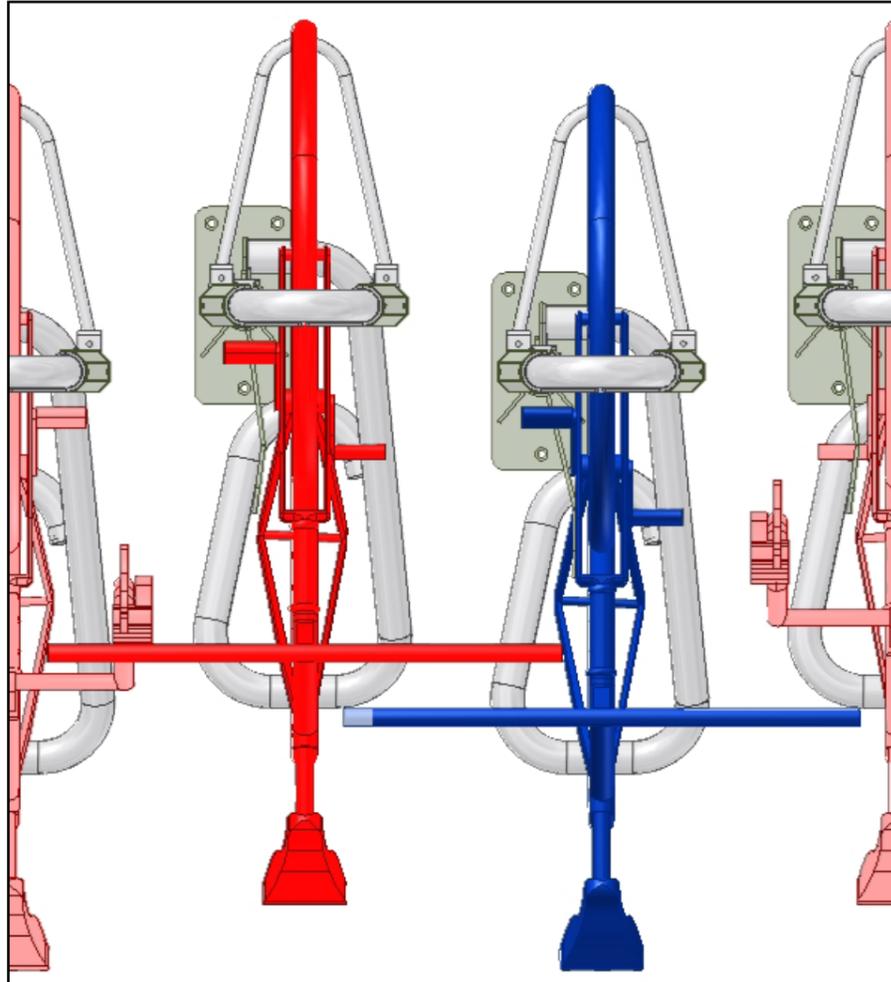
Loading Bicycle

Parked Bicycle

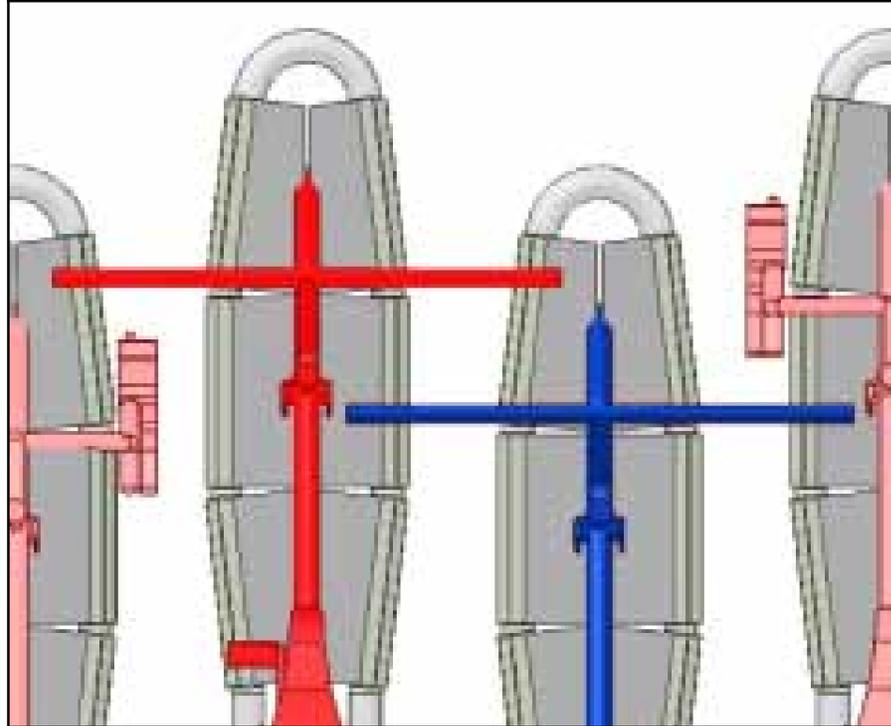


GL

ACCP-V - Blue path proves no clashes between standard handlebars when loading  
(End Elevation)



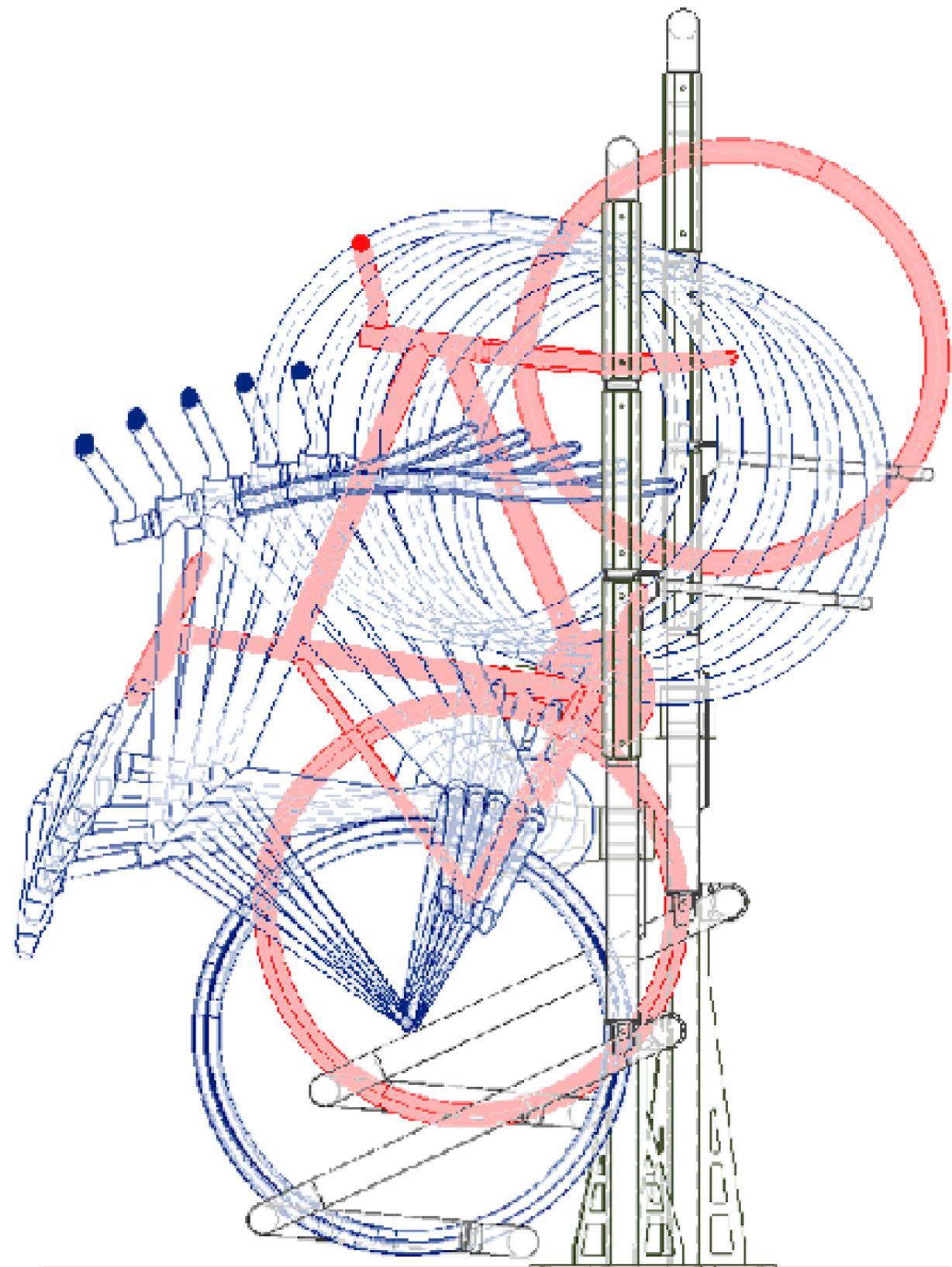
ACCP-V Plan



ACCP-V Front Detail

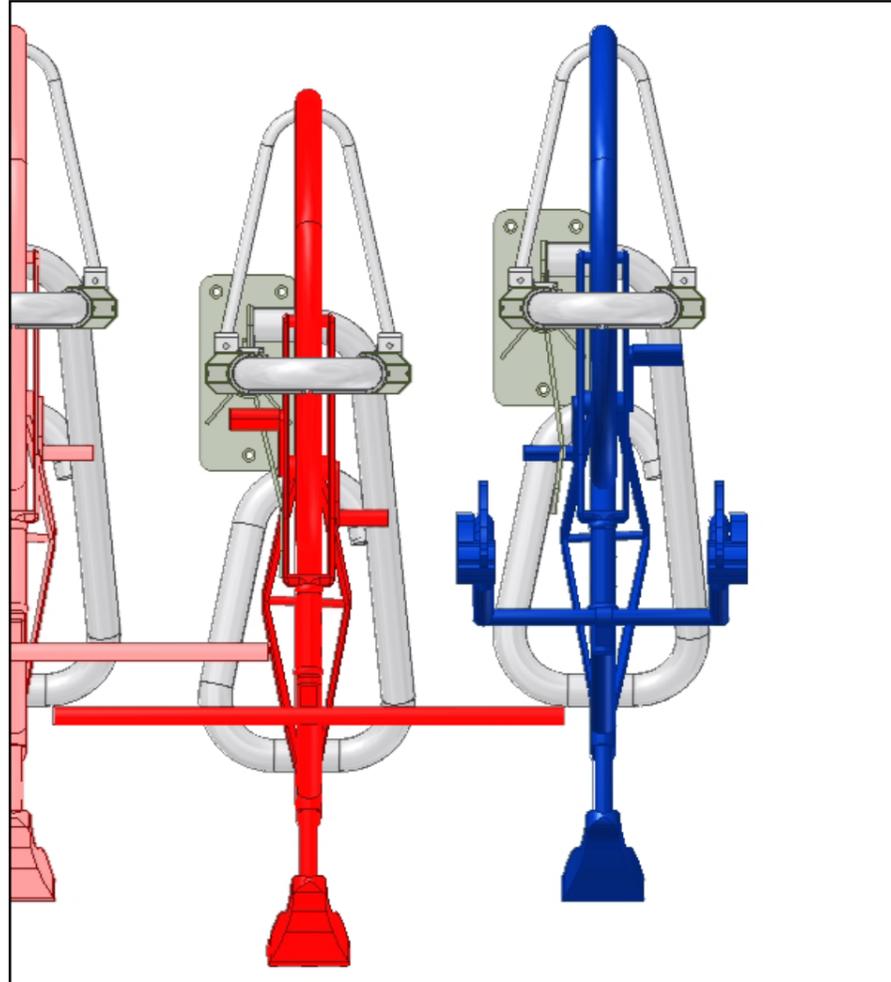
Parked Bicycle

Loading Bicycle

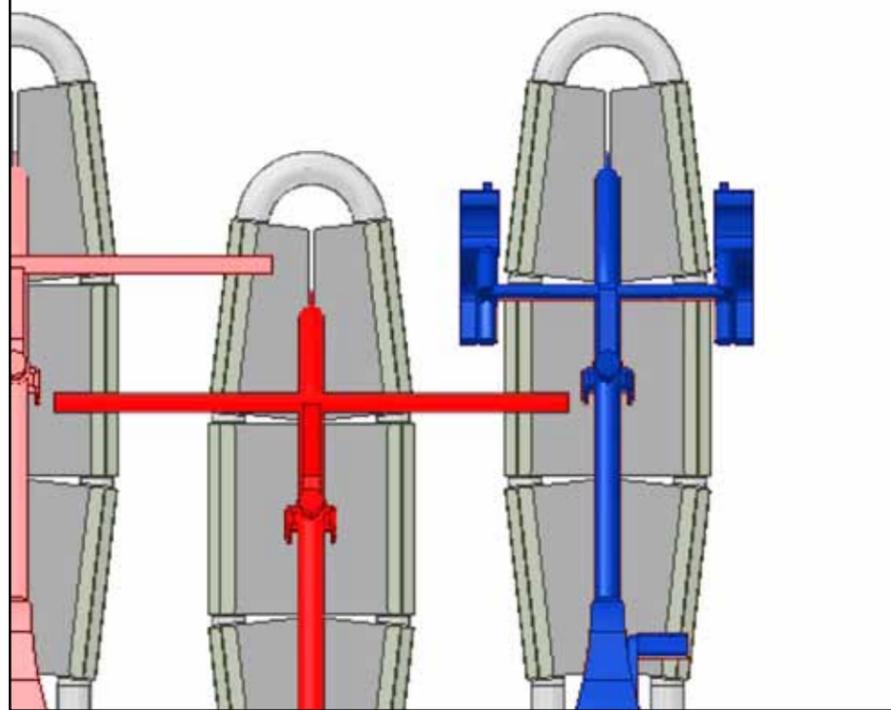


GL

ACCP-V - Blue path proves no clashes between standard handlebars when loading  
(End Elevation)



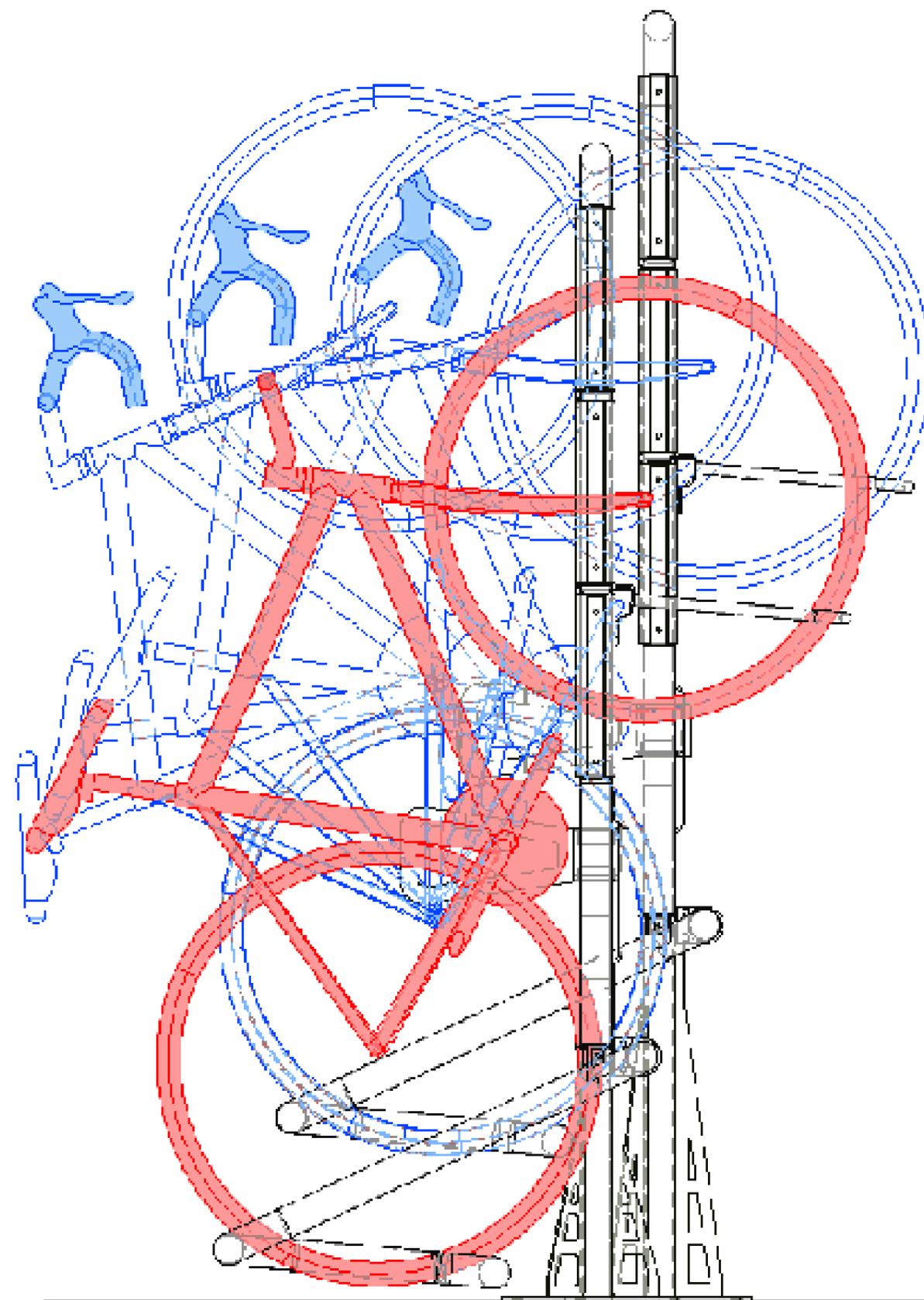
ACCP-V Plan



ACCP-V Front Detail

Parked Bicycle

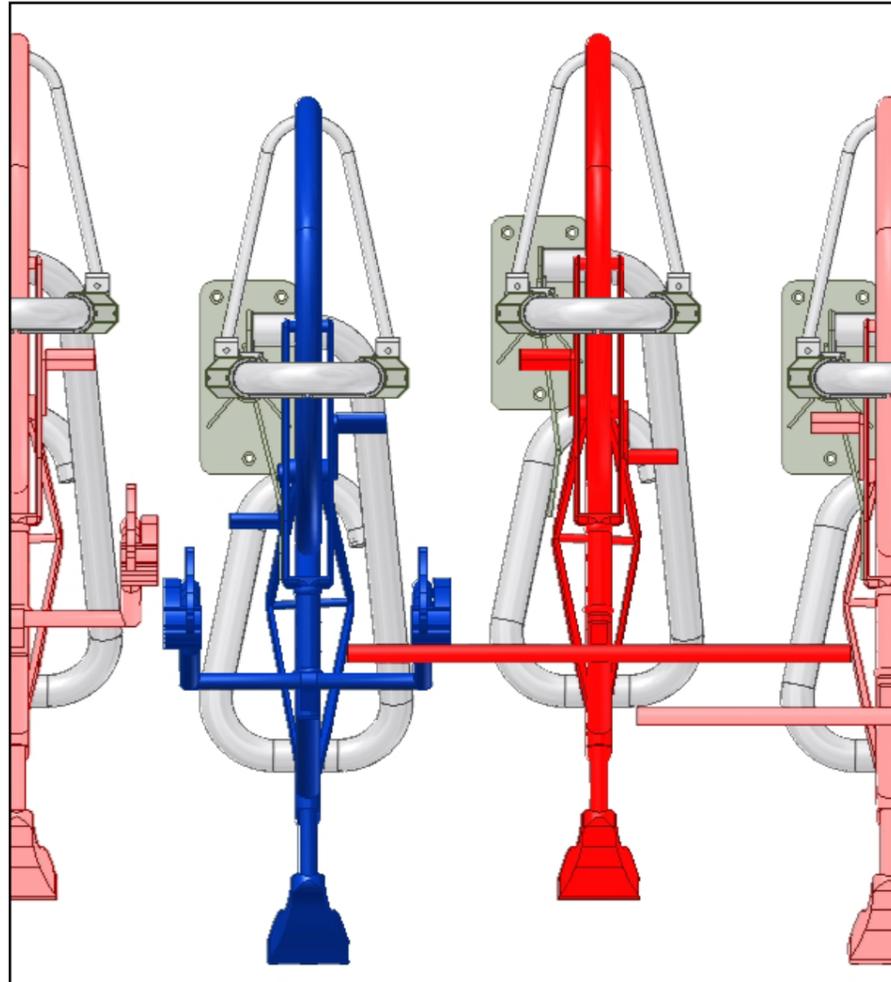
Loading Bicycle



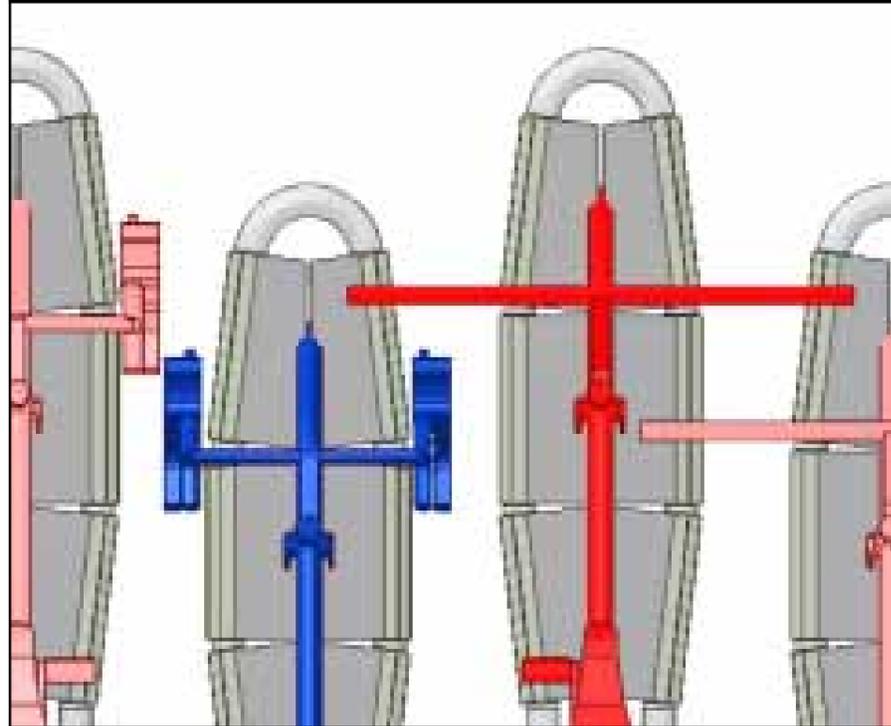
GL

ACCP-V - Blue path proves no clashes between racing and standard handlebars when loading  
(End Elevation)





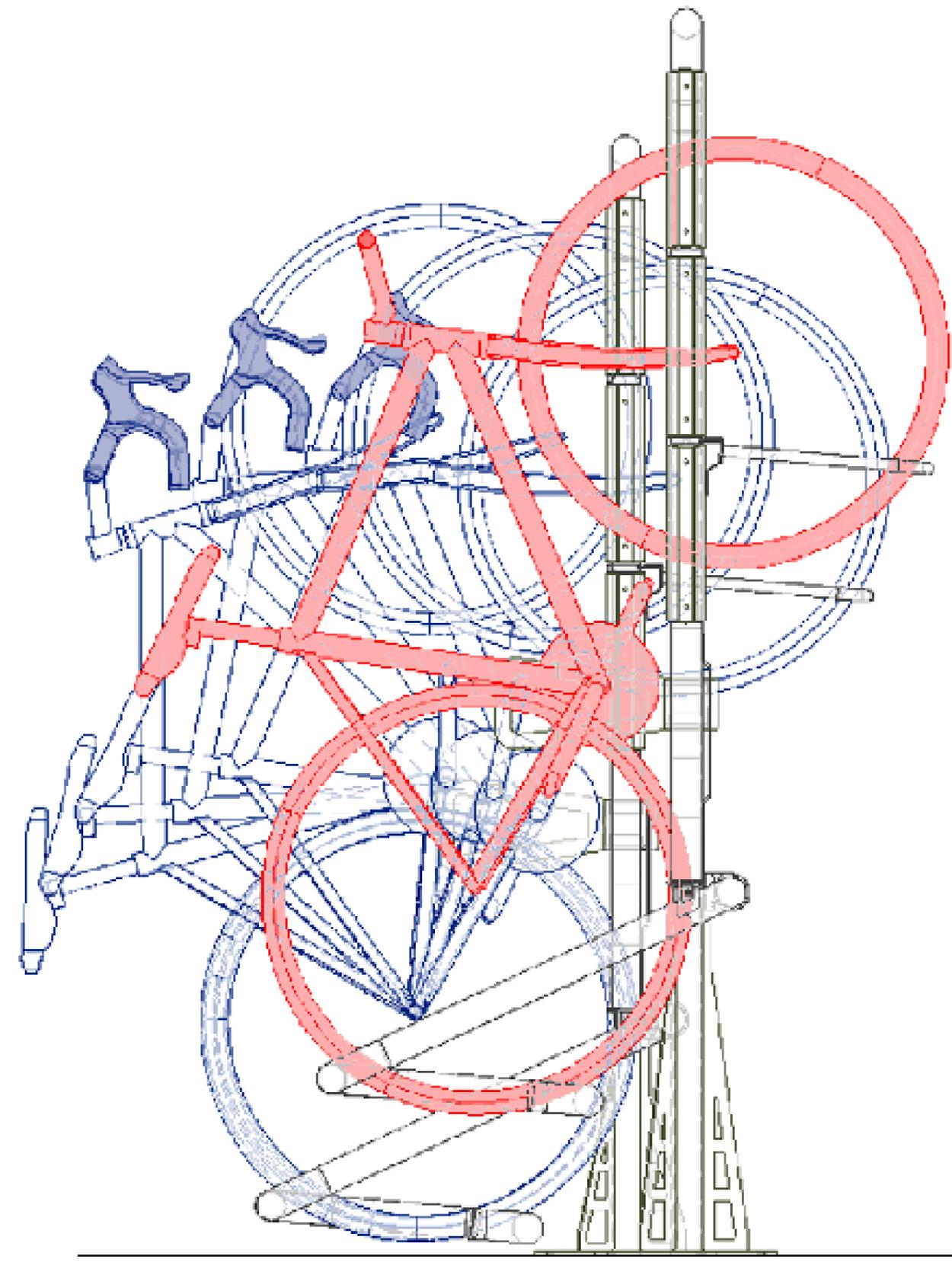
ACCP-V Plan



ACCP-V Front Detail

Loading Bicycle

Parked Bicycle



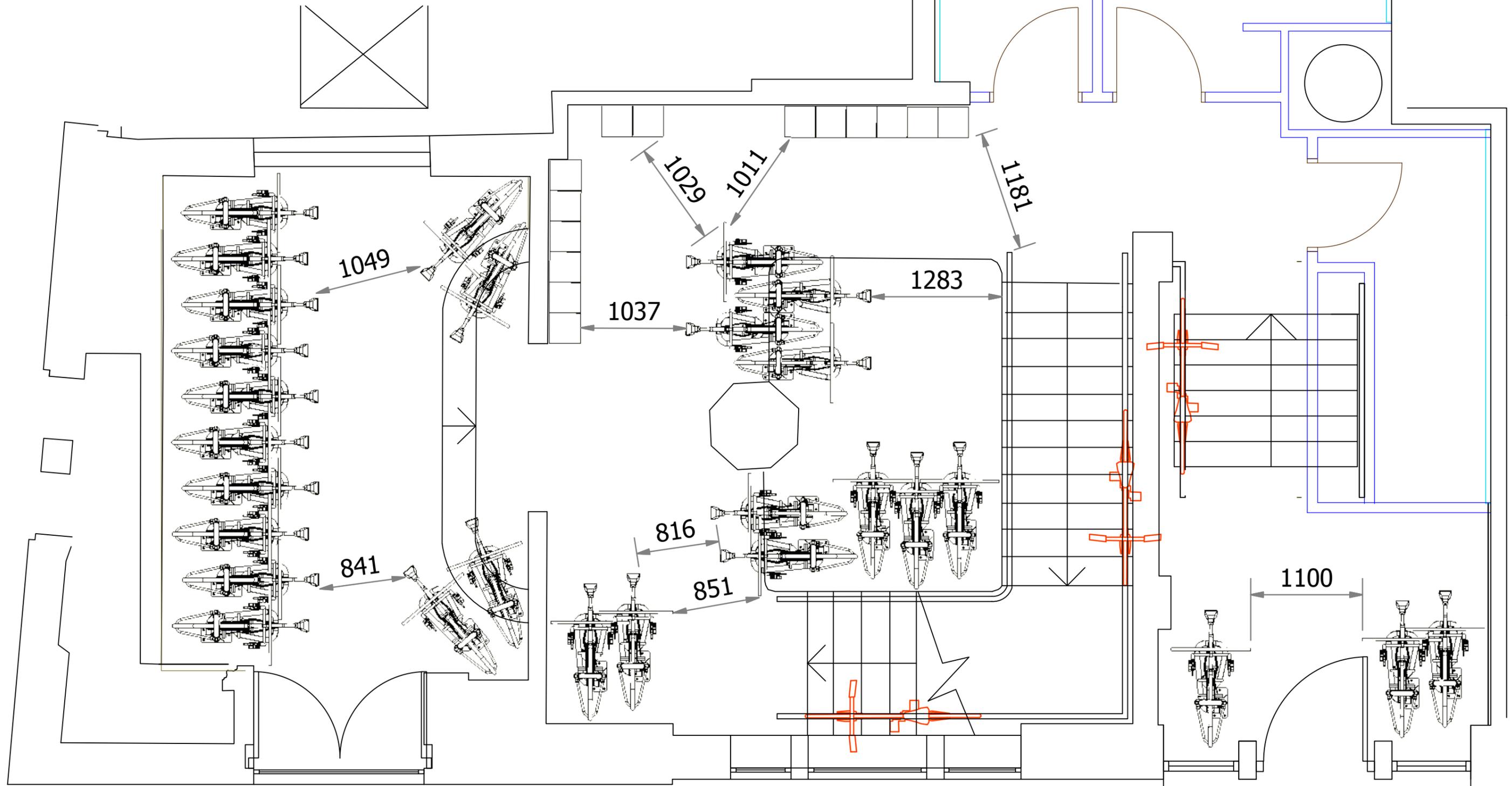
GL

ACCP-V - Blue path proves no clashes between racing and standard handlebars when loading (End Elevation)



For detailed building plan see Appendix B  
 Proposed Layout of ACCP-V's for Eagle House Phase 1:

- 28 ACCP-V bicycle parking spaces
- 28 Wire Lockers (for reference purposes)

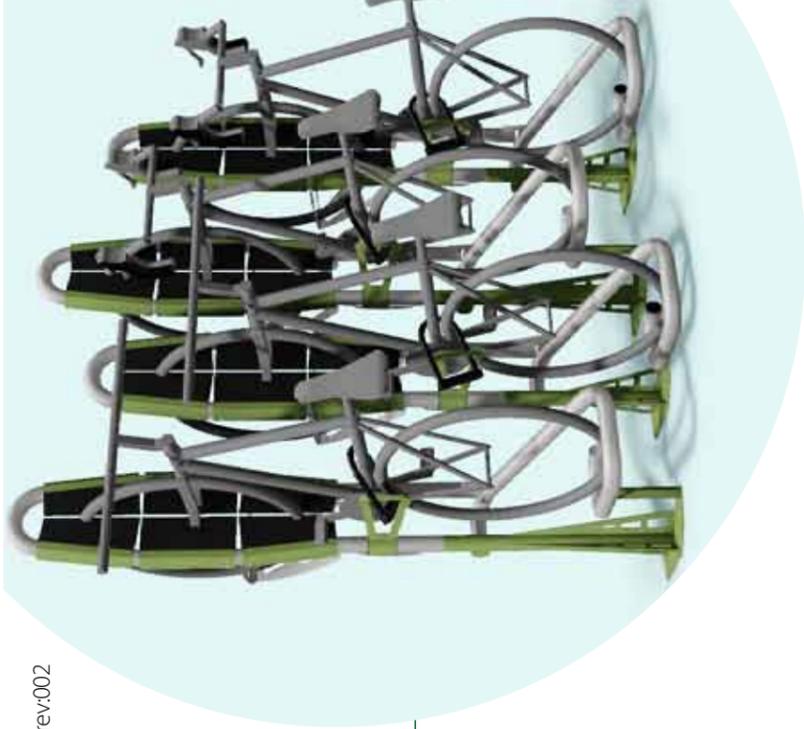


The current layout has been detailed from a drawing provided by the client. A site visit is imperative before a final layout, including number of ACCP-V units and lockers, can be established.

# ACCP-V

## Advanced Compact Cycle Parking Vertical

### Product Details and Specification



#### Product Description:

Bicycle caring cycle parking rack, ideal for secure cycle storage areas with limited space.

#### Overview:

Single or double sided rows of high density cycle parking. Modular system to fit into any space. Includes unique bike caring *SOFTDOCK* technology.

#### Benefits:

- Available in range of accent colours
- Suitable for all types of bikes
- Fast efficient cost effective installation

#### Features:

- Individual *SOFTDOCK* bike parking slots
- Adjustable lock off points
- Satin finish

#### Materials:

Stainless Steel 409  
Mild Steel  
Silicone

#### Components & Finishing:

- Pre-satined stainless steel
- Heavy duty primed and painted or powder coated accessories

#### Colours:

To be selected from manufacturers available range

#### Product Variations:

- In line (at 450mm centres/1.48 bikes/m<sup>2</sup>) or back to back (at 330mm/1.68 bikes/m<sup>2</sup>) orientations

#### Product Dimensions:

- 331mm wide x 1014mm deep x 1845mm high
- 331mm wide x 1014mm deep x 2055mm high

#### Product Life:

20 Year nominal design life expectancy

#### Environmental Info:

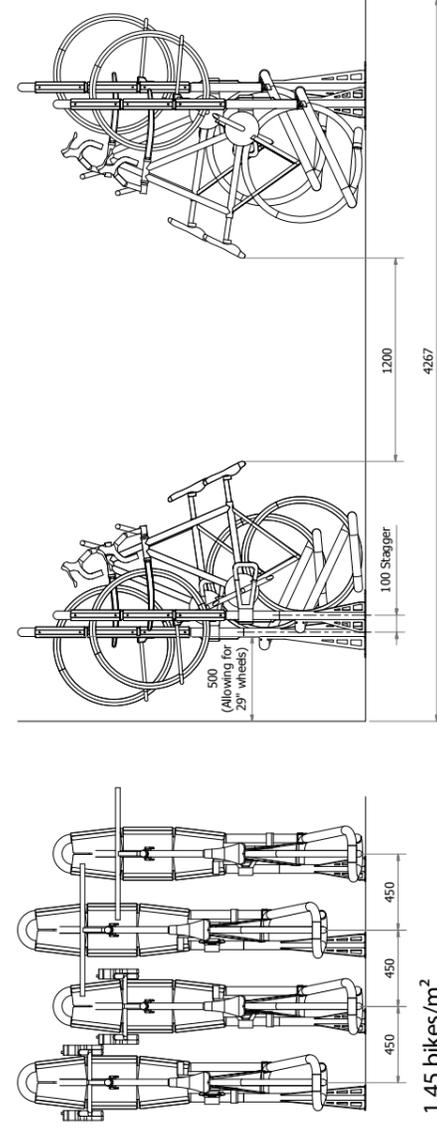
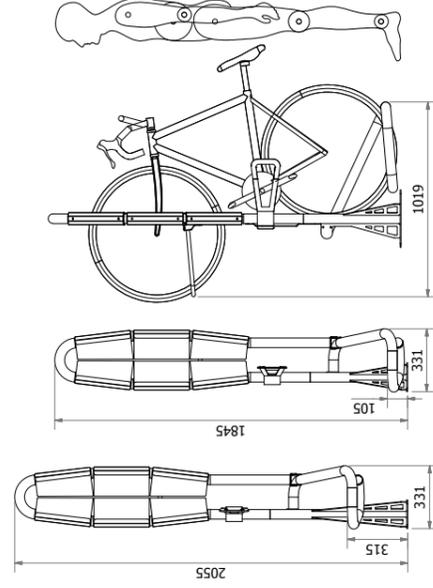
4r compliant (Relocate Renovate Reuse Recycle)  
Manufactured and assembled in the UK

#### Installation:

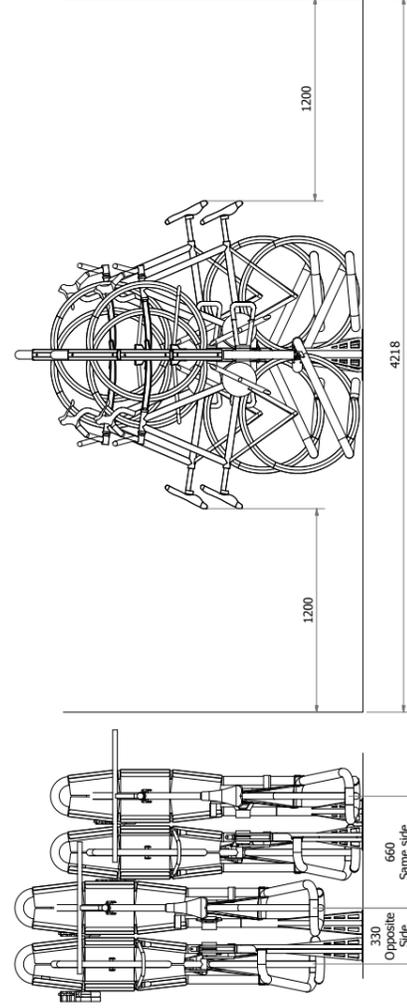
Install using sleeve anchors (or resin anchors if poor floor condition). Installation should be carried out by H-B Designs or qualified contractors to H-B Designs specifications and standards.

Integrates with *TrackPave* (sustainable wearing surface) SUDS compliant base and H-B Designs cycle shelter systems.

Suitable for use with H-B Designs pre-cast foundations

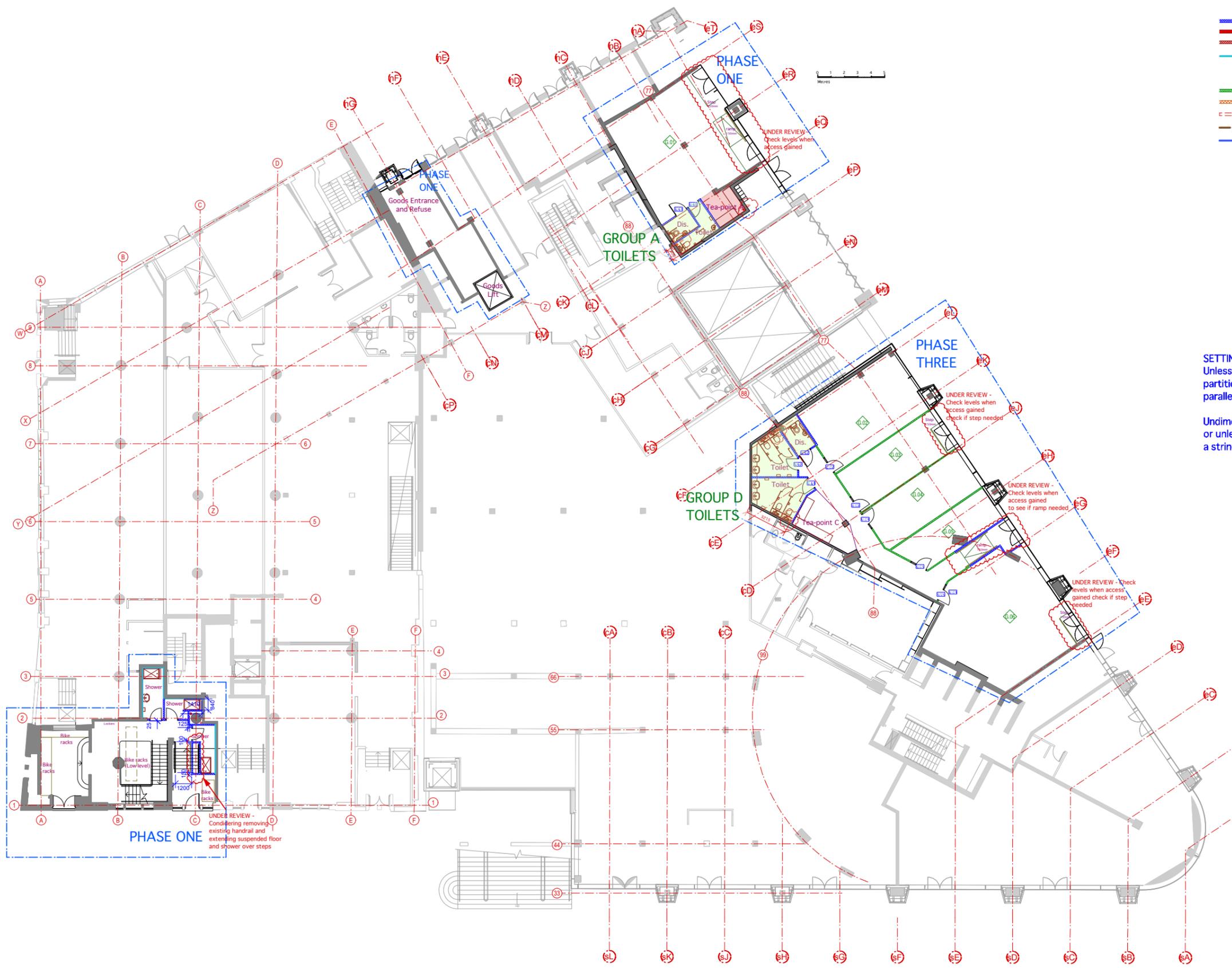


1.45 bikes/m<sup>2</sup>



1.66 bikes/m<sup>2</sup>

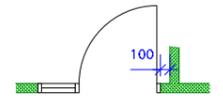




- WALL AND LINING LEGEND**
- Cat A Walls**
- A1 Framed Partition (Slab to US Soffit lining)
  - A2 Framed Partition - 2hrs Fire (Slab to Slab)
  - A3 Framed Partition - 1hr Fire (Slab to US Soffit lining)
  - A7 Lining Plasterboard on Gypliner or dabs (Slab to US Soffit lining)
- Cat B Walls**
- B1 Standard Framed Partition (FFL to US Soffit lining)
  - B2 Framed Partition - 1/2 hr Fire (FFL to US Soffit lining)
  - Future Partitions
  - Plywood backing required
  - Accent Paint colour to Wall ref: Johnstones paint TO BE SPECIFIED

**SETTING OUT NOTES NOTE**  
 Unless Stated other wise all new partitions are to be set out parallel to the existing ceiling grid.

Undimensioned nibs to be 100mm or unless they are theremaidr in a string of dimensions.



B 18/10/2014	Further general layout refinement
A 10/10/2014	General layout refinement
Revision Date	Change

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<b>Client</b>	Avanta Serviced Office Group			
<b>Project</b>	Eagle House			
<b>Drawing Title</b>	General Arrangement (All Phases) Ground Floor			
<b>Job No</b>	<b>Dwg No</b>	<b>Rev</b>	<b>Scale</b>	<b>Date</b>
364	300/G	B	1/200 @ A3	16/06/2014

No dimensions are to be scaled from this drawing. Contractors must verify all figured dimensions on site before commencing any work or producing shop drawings. The drawing is the sole right of Cobban Design Associates and no part may be reproduced without the written consent of the above.

