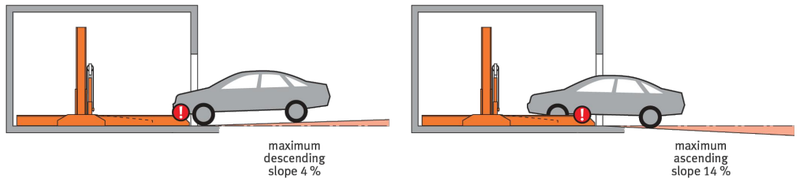
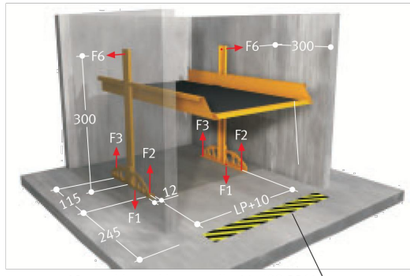
Approach



The illustrated maximum approach angles must not be exceeded. Incorrect approach angles will cause serious maneouvring & positioning problems on the parking system for which the local agency of Klaus accepts no responsibility.

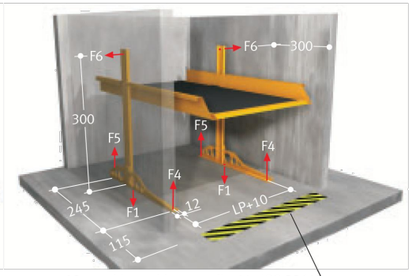
Load plan

Option 1: short steel pillar base



10 cm wide marking compliant to ISO 3864

Option 2: long steel pillar base



10 cm wide marking compliant to ISO 3864

platform load	F1	F2	F3	F4	F5	F6
2,000 kg	30	1.1	7.4	0.5	7.7	±1
2,500 kg	35	1.3	8.9	0.6	9.3	±1

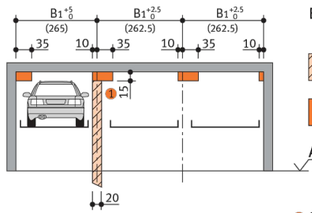
Forces in kN

The steel pillar base can be selected optionally (short or long). Please make sure to note the corresponding forces that apply!

Units are dowelled to the floor. Drilling depth: approx. 15 cm.
Floor and walls are to be made of concrete (quality minimum C20/25)!

Installation data

Free space for longitudinal and vertical ducts (e.g. ventilation)



B_1, B_2 = (see table on page 2)

Free space for vertical pipelines, ventilation branch canals

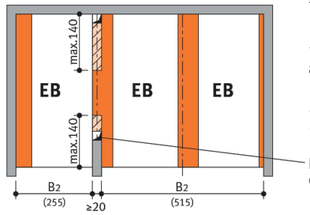
Free space for horizontal ducting

Approach level

1 Size 15 cm is reduced to 5 cm for type 2061-160

Free space only applicable if vehicle is parked forwards = FRONT FIRST and driver's door on the left side.

( ) = Dimensions in brackets illustrate an example for usable platform width 230 cm.



Example for ventilation branch canal and/or vertical pipelines.

To be performed by the customer

Safety fences

Any constraints that may be necessary according to DIN EN ISO 13857 in order to provide protection, for pathways directly in front, next to or behind the unit. This is also valid during construction.

Numbering of parking spaces

Consecutive numbering of parking spaces.

Building services

Lighting, ventilation, fire extinguishing and fire alarm systems.

Marking

According to DIN EN 14 010, a warning that identifies this danger area must be placed in the entrance area that conforms to ISO 3864. This must be done according to EN 92/58/EWG for systems without a pit 10 cm from the edge of the platform.

Wall cuttings

Any necessary wall cuttings according to page 1.

Electrical supply to the main switch / Foundation earth connector

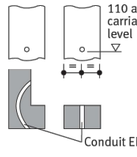
Suitable electrical supply to the main switch and the control wire line must be provided by the customer during installation. The functionality can be monitored on site by our fitters together with the electrician. If this cannot be done during installation for some reason for which the customer is responsible, the customer must commission an electrician at their own expense and risk.

In accordance with DIN EN 60204 (Safety of Machinery. Electrical Equipment), grounding of the steel structure is necessary, provided by the customer (distance between grounding max. 10 m).

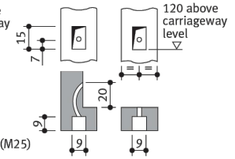
Operating device

Cable conduits and recesses for operating device (for double wing doors: please contact the local agency of Klaus Multiparking).

Operating device exposed



Operating device concealed



If the following are not included in the quotation, they will also have to be provided / paid for by the customer:

- Mounting of contactor and terminal box to the wall valve, complete wiring of all elements in accordance with the circuit diagram
- Costs for final technical approval by an authorized body
- Main switch
- Control line from main switch to hydraulic unit

Description

General description

Multiparking system providing dependent parking spaces for 2 cars one on top of the other each. The lower vehicle parks directly on the floor plate. The vehicle parked on the bottom must be driven out before lowering the platform.

The height of the platform can be adjusted flexibly (even subsequently).

Adjustment of maximum load of 2,500 kg can be made subsequently.

Dimensions are in accordance with the underlying dimensions of parking pit, height and width

The parking bays are accessed horinzotally (installation deviation ± 1 %).

Vehicles are positioned on the upper parking space using wheel stops on the right side (adjust according to operating instructions).

Operation via operating device with hold-to-run-device using master keys.

The operating elements are usually mounted either in front of the column or on the outside of the door frame

Operating instructions are attached to each operator's stand.

For garages with doors at the front of the parking system the special dimensional requirements have to be taken into account.

Multiparking system consisting of:

- 2 steel pillars with bases that are mounted on the floor (short or long steel pillar bases can be selected optionally).
- 2 sliding platforms (mounted to the steel pillars with sliding bearings)
- 1 platform
- 1 mechanic synchronization control system (to ensure synchronous operation of the hydraulic cylinders while lowering and lifting the platform)
- 1 hydraulic cylinder
- 1 automatic hydraulic safety valve (prevents accidental lowering of the platform while accessing the platform)
- Dowels, screws, connecting elements, bolts, etc.
- The platforms and parking spaces are end-to-end accessible for parking!

Platforms consisting of:

- Platform base sections
- Adjustable wheel stops
- Canted access plates
- Side members
- Cross members
- Screws, nuts, washers, distance tubes, etc.

Hydraulic system consisting of:

- Hydraulic cylinder
- Solenoid valve
- Safety valve
- Hydraulic conduits
- Screwed joints
- High-pressure hoses
- Installation material

Electric system consisting of:

- Operating device (Emergency Stop, lock, 1 master key per parking space)
- Terminal box at wall valve
- Electrical locking device
- Chain control

Hydraulic unit consisting of:

- Hydraulic power unit (low-noise, installed onto a console with a rubber-bonded-to-metal mounting)
- Hydraulic oil reservoir
- Oil filling
- Internal geared wheel pump
- Pump holder
- Clutch
- 3-phase-AC-motor (3.0 kW, 230/400 V, 50 Hz)
- Contactor (with thermal overcurrent relay and control fuse)
- Test manometer
- Pressure relief valve
- Hydraulic hoses (which reduce noise transmission onto the hydraulic pipe

We reserve the right to change this specification without further notice

The Klaus company reserves the right in the course of technical progress to use newer or other technologies, systems, processes, procedures or standards in the fulfillment of their obligations other than those originally offered provided the customer derives no disadvantage from their so doing.

1 LIFT PARKING DETAIL 2
SCALE: N.T.S.

Rev.	Date	Rev.	Date

DRB22-0897 - FINAL SUBMITTAL

OFFICE BUILDING
1656-1680 ALTON RD
MIAMI BEACH, FLORIDA 33139

Owner:
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Email: carolina@cladlandscape.com

Consultant:
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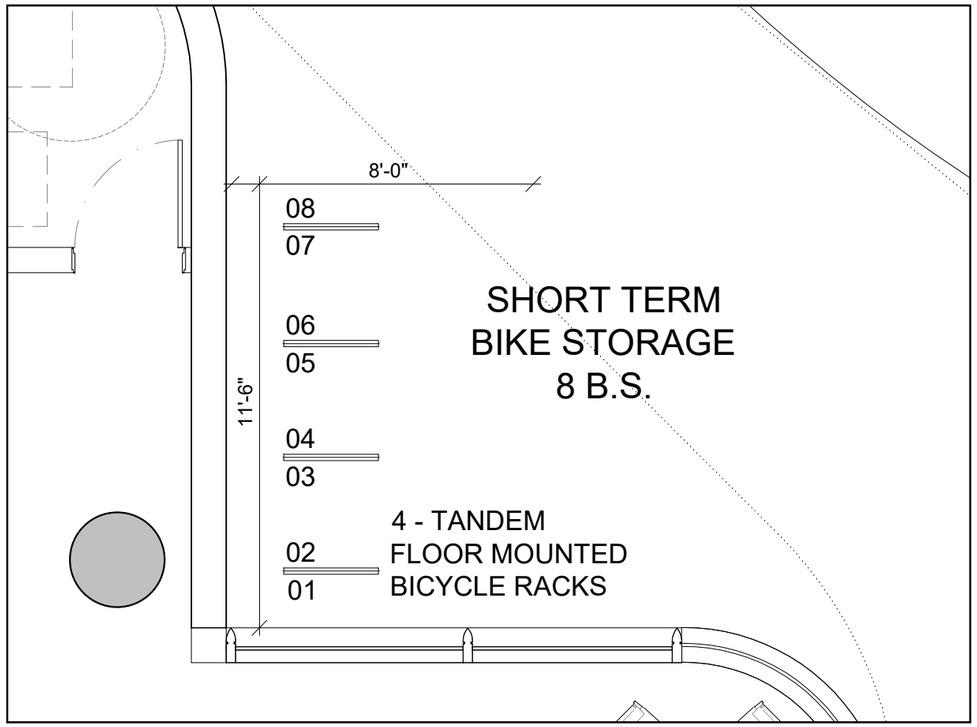
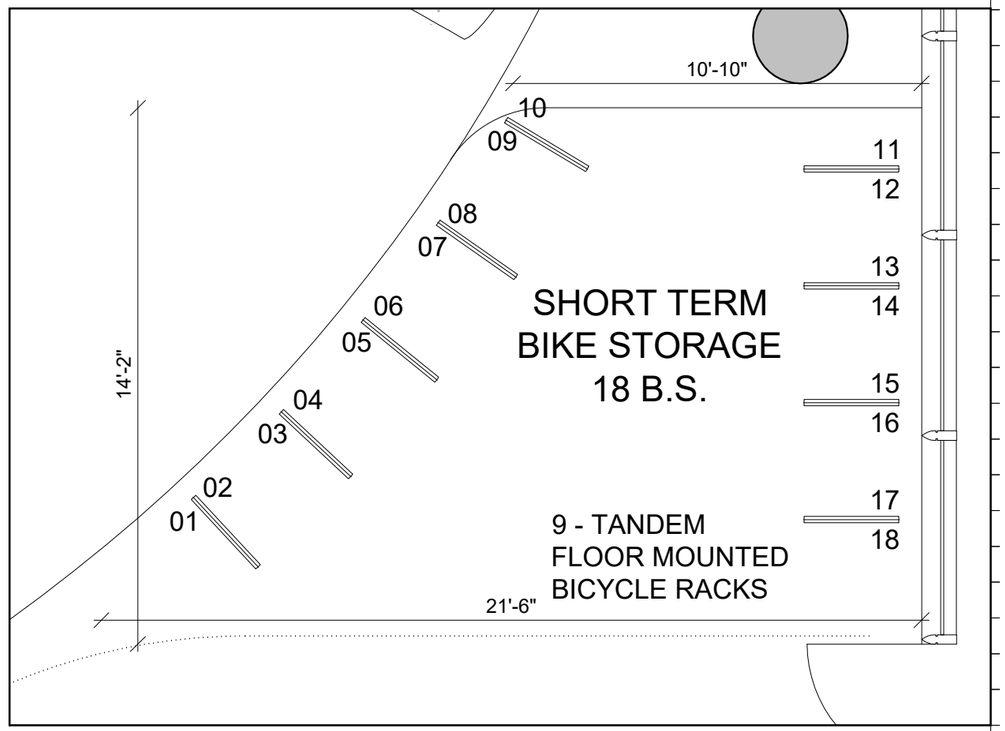
KOBI KARP

PARKING DETAILS

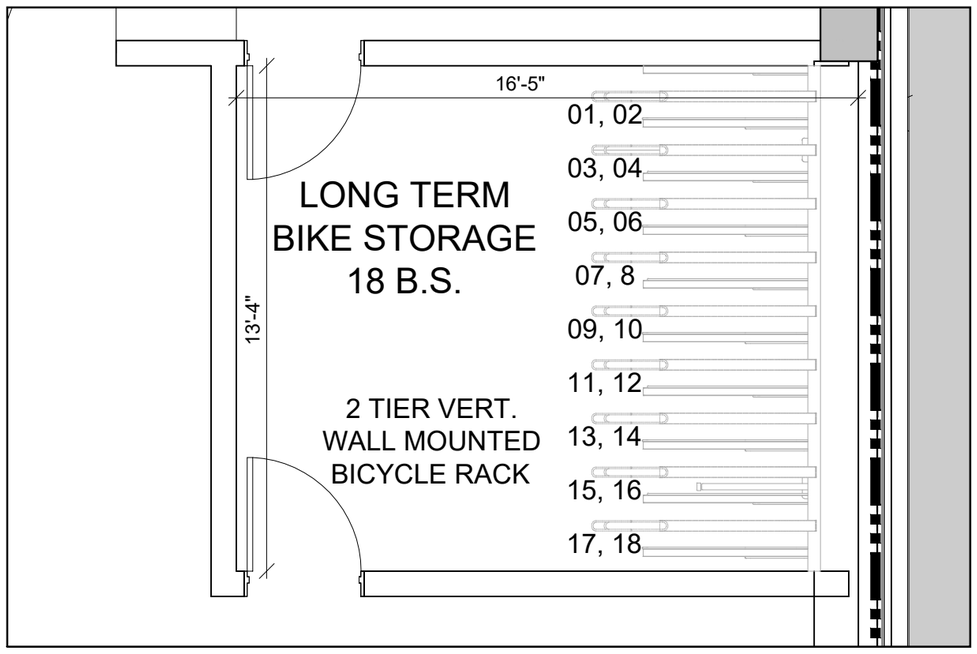
Date	08.07.2023	Sheet No.	A8.02
Scale	N.T.S		
Project	2132		



1 PROPOSED GROUND LEVEL OUTDOOR BICYCLE STORAGE
SCALE: 1/4" = 1'-0"



2 PROPOSED GROUND LEVEL OUTDOOR BICYCLE STORAGE
SCALE: 1/4" = 1'-0"



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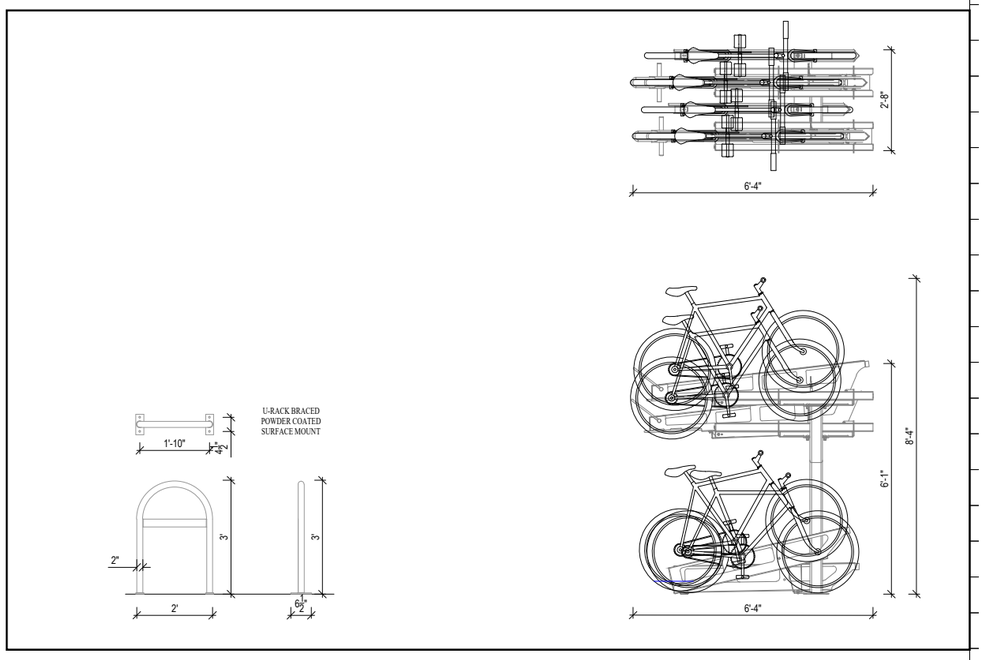
3 PROPOSED GROUND LEVEL INDOOR BICYCLE STORAGE
SCALE: 1/4" = 1'-0"



1 PROPOSED OUTDOOR BIKE RACK
SCALE: 1/4" = 1'-0"

3 PROPOSED INDOOR BIKE RACK
SCALE: 1/4" = 1'-0"

Rev.	Date	Rev.	Date

DRB22-0897 - FINAL SUBMITTAL

OFFICE BUILDING
1656-1680 ALTON RD
MIAMI BEACH, FLORIDA 33139

Owner:
Name BH The Alton LLC
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Address
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Email

Landscape:
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Email: carolina@cladlandscape.com

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ENLARGED BICYCLE STORAGE
GROUND FLOOR

Date	08.07.2023	Sheet No.
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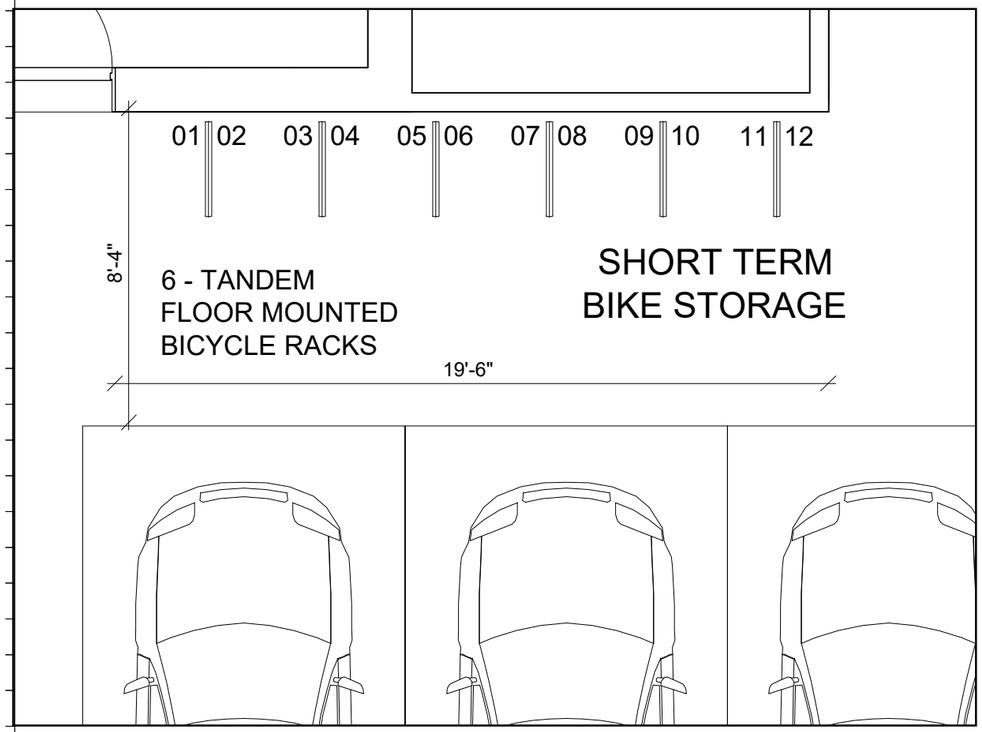
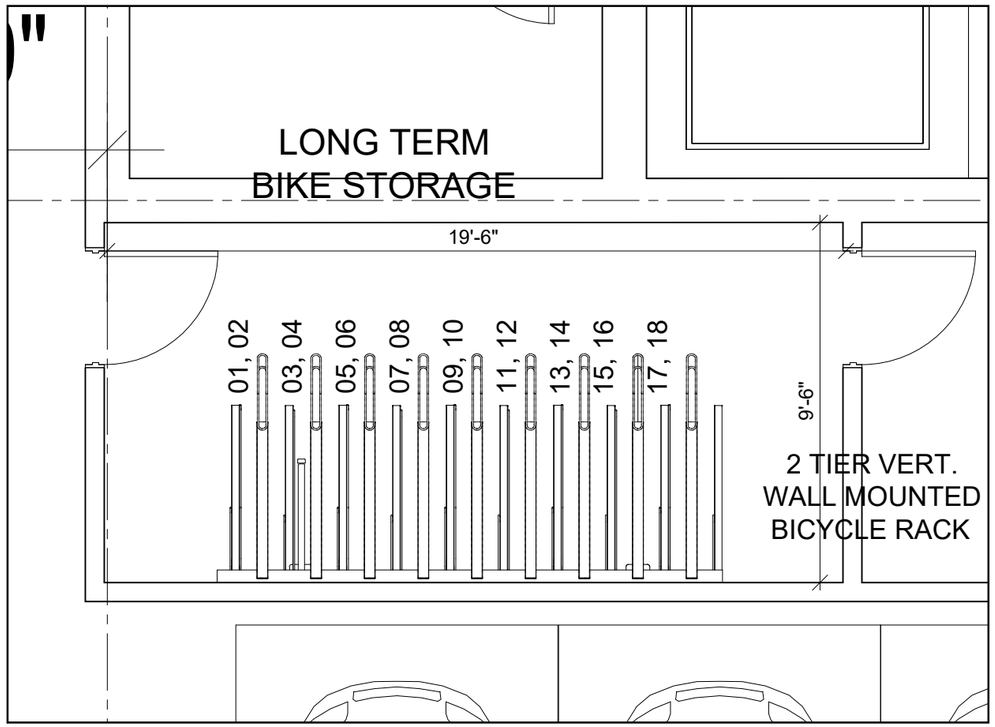
Project	2132	



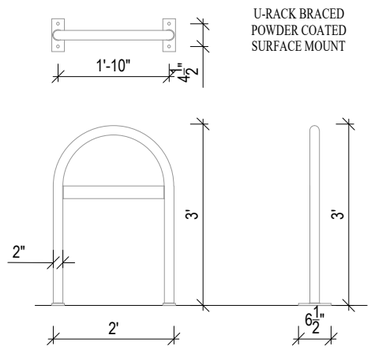
1 PROPOSED SECOND LEVEL OUTDOOR BICYCLE STORAGE

SCALE: 1/4" = 1'-0"



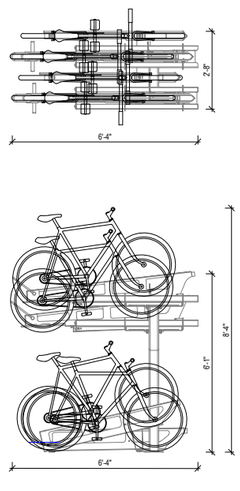
2 PROPOSED SECOND LEVEL INDOOR BICYCLE STORAGE

SCALE: 1/4" = 1'-0"



3 PROPOSED OUTDOOR BICYCLE RACK

SCALE: N.T.S.



1 PROPOSED INDOOR BIKE RACK

SCALE: N.T.S.

N

Rev.	Date	Rev.	Date

DRB22-0897 - FINAL SUBMITTAL

OFFICE BUILDING
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ENLARGED BICYCLE STORAGE
LEVEL 2

Date	08.07.2023	Sheet No.	A8.04
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