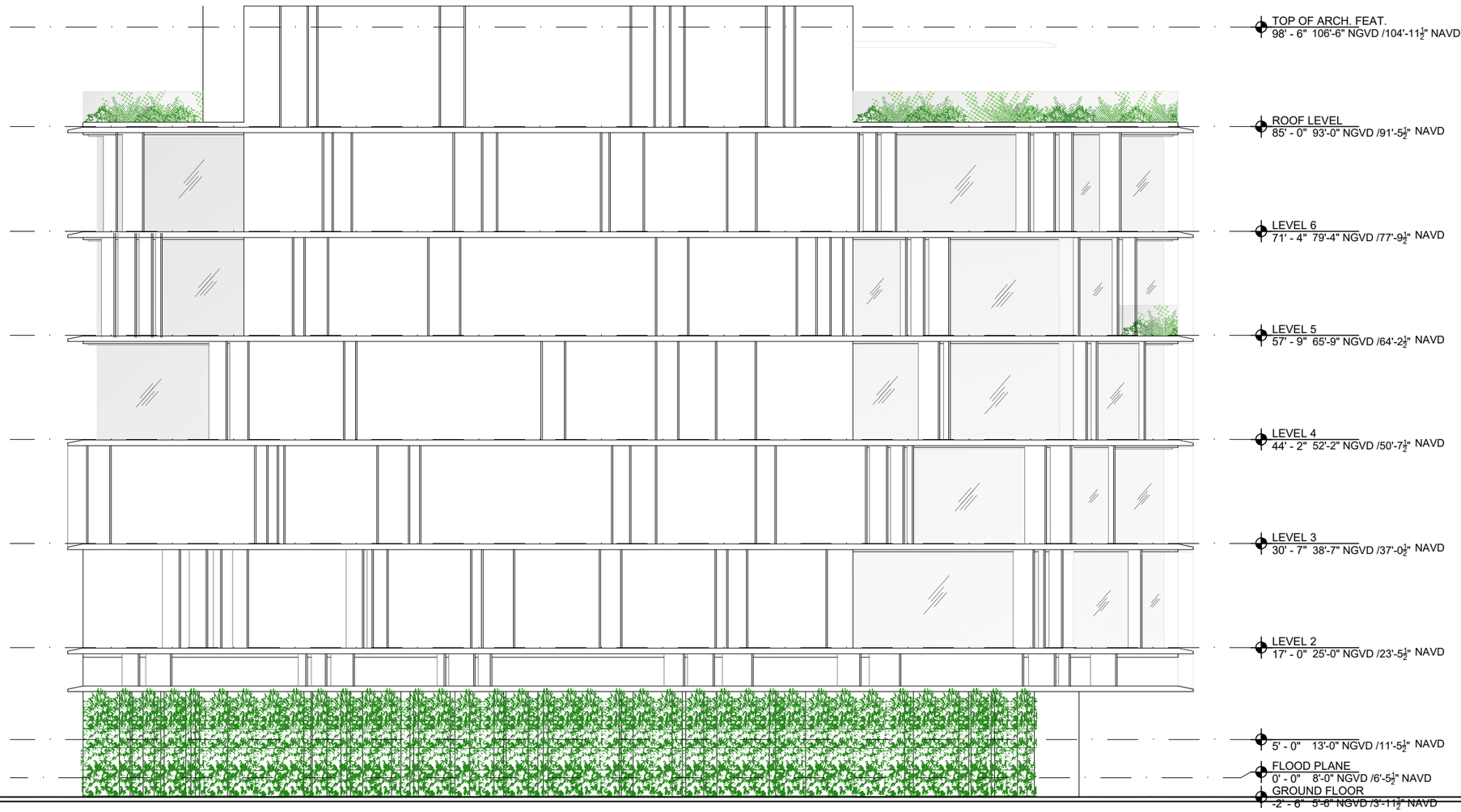


1 PROPOSED NORTH ELEVATION
Scale: 1/16" = 1'-0"

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STATE OF FLORIDA
REGISTERED ARCHITECT
Kobi Karp
2023-09-26
10:03:46-04'00'

KOBI KARP
Lic. # AR0012578

K O B I K A R P

PROPOSED NORTH ELEVATION

Date	09-26-2023	Sheet No.	A4.01.1
Scale			
Project	2132		



1 PROPOSED COLOR ELEVATION NORTH

SCALE: 1/16" = 1'-0"

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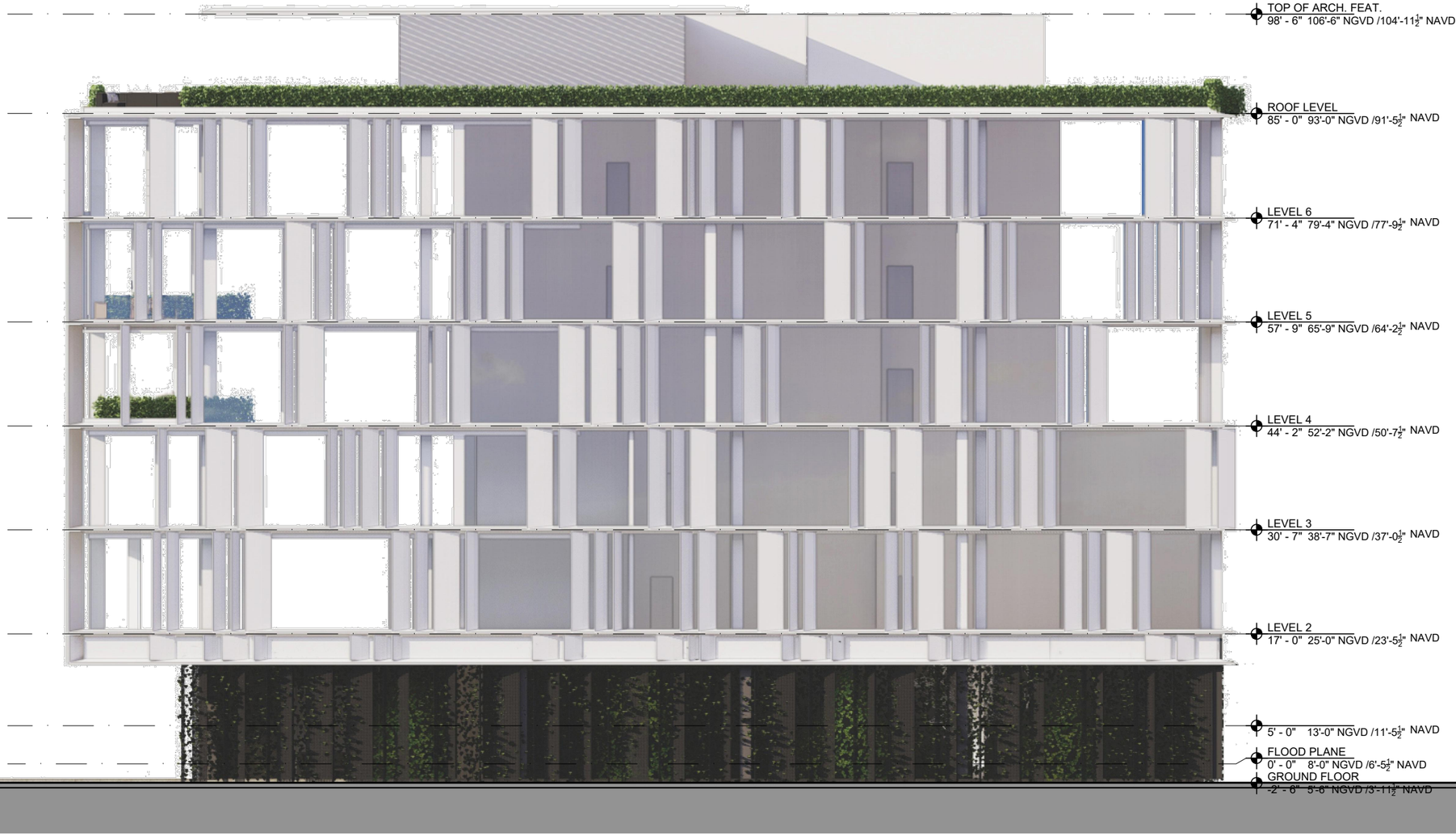
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REGISTERED ARCHITECT
Kobi Karp
2023.09.26
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REGISTERED ARCHITECT

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PROPOSED COLOR NORTH ELEVATION

Date	06.24.2022	Sheet No.	A4.41
Scale	**1/16"=1'-0"**		
Project	2132		



1 PROPOSED COLOR SOUTH ELEVATION
Scale: 1/16" = 1'-0"

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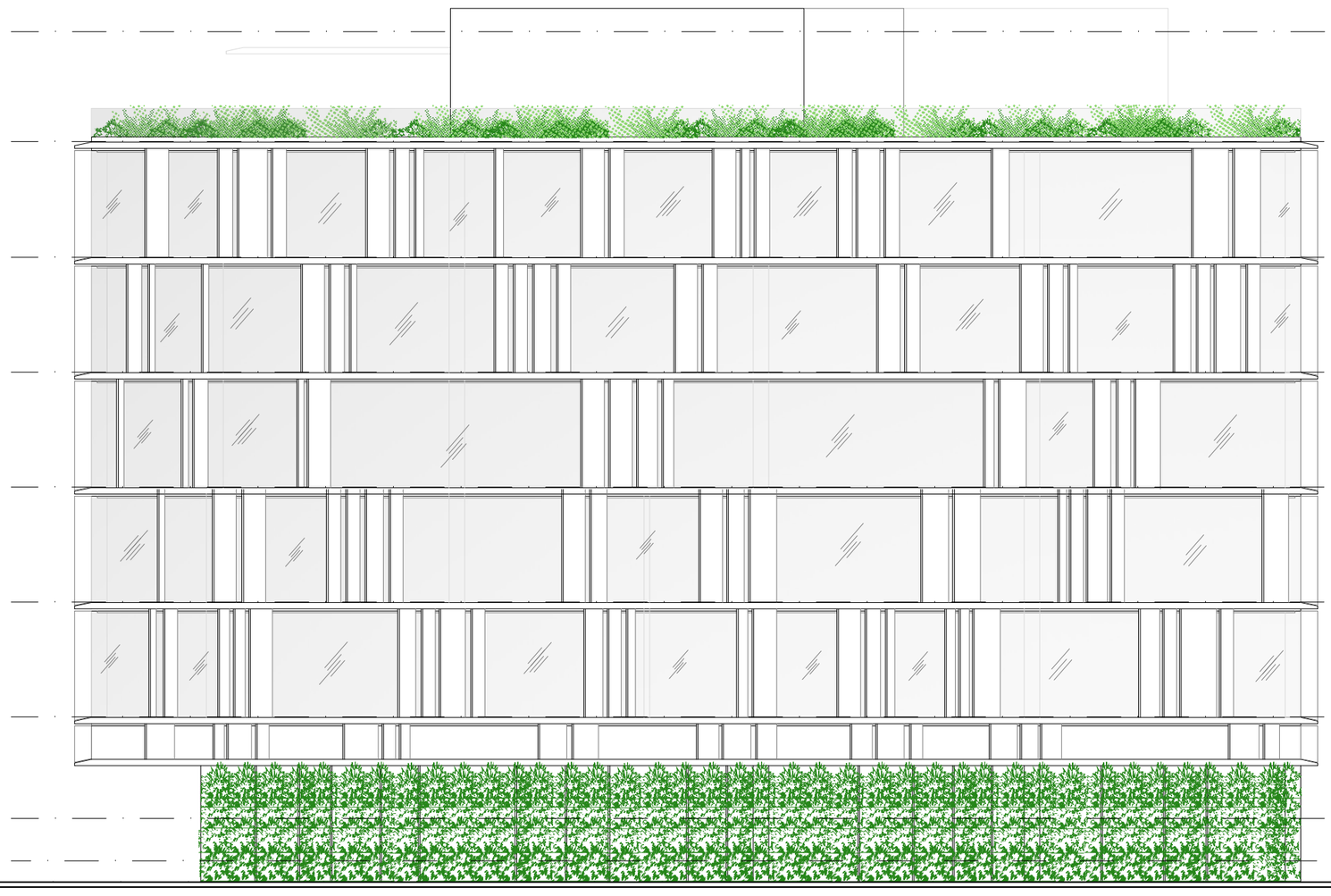
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REGISTERED ARCHITECT

KOBI KARP
Lic. # AR0012578

K O B I K A R P

PROPOSED COLOR
SOUTH ELEVATION

Date	09-26-2023	Sheet No.	A4.03
Scale			
Project	2132		



1 PROPOSED SOUTH ELEVATION
Scale: 1/16" = 1'-0"

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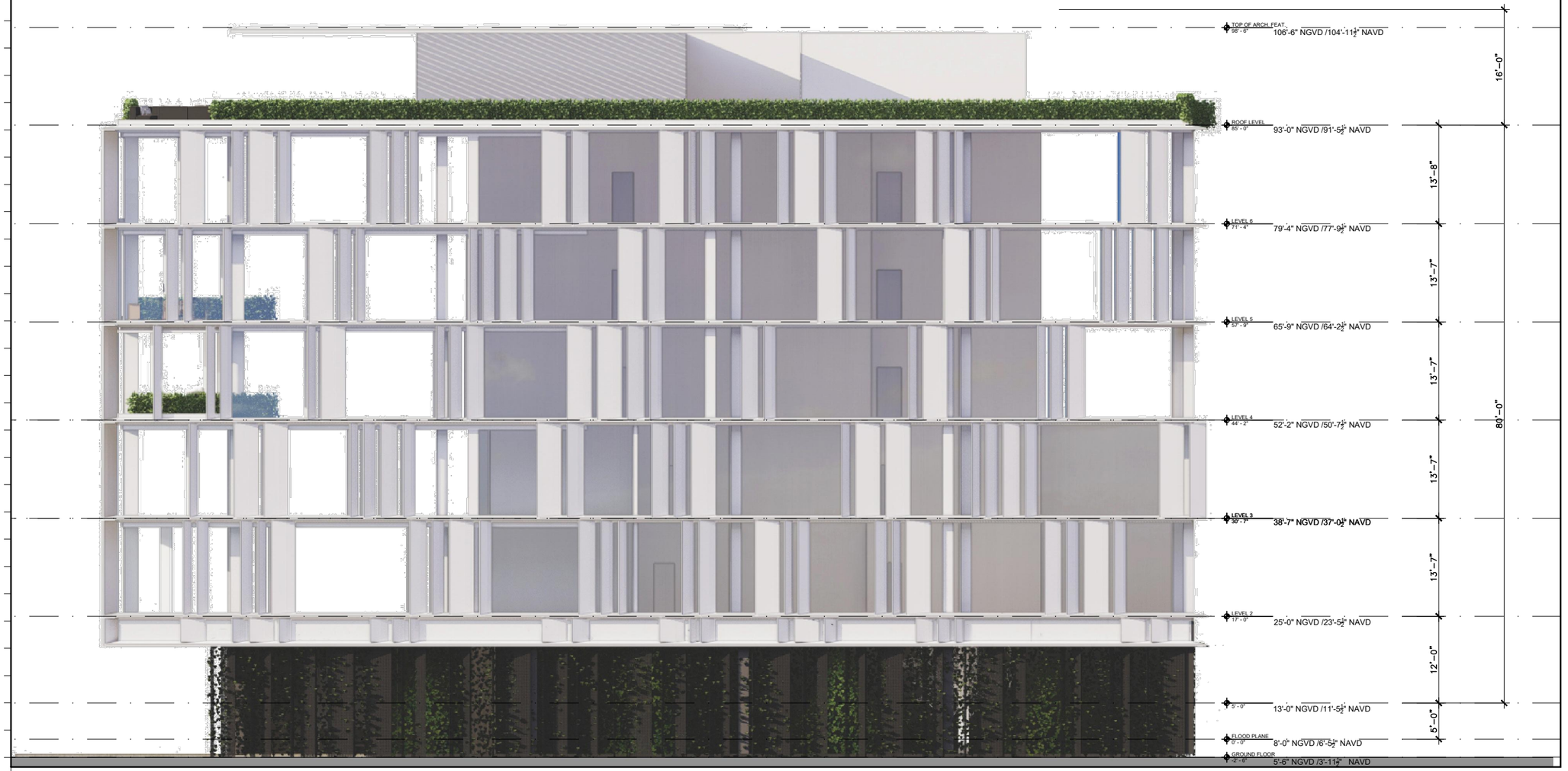
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KOBI KARP
Lic. # AR0012578

K O B I
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PROPOSED SOUTH ELEVATION

Date	09-26-2023	Sheet No.	A4.03.1
Scale			
Project	2132		



1 PROPOSED COLOR ELEVATION SOUTH

SCALE: 1/16" = 1'-0"

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REGISTERED ARCHITECT
Kobi Karp
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PROPOSED COLOR SOUTH ELEVATION

Date	06.24.2022	Sheet No.	A4.42
Scale	**1/16"=1'-0"**		
Project	2132		



1 PROPOSED COLOR WEST ELEVATION
Scale: 1/16" = 1'-0"

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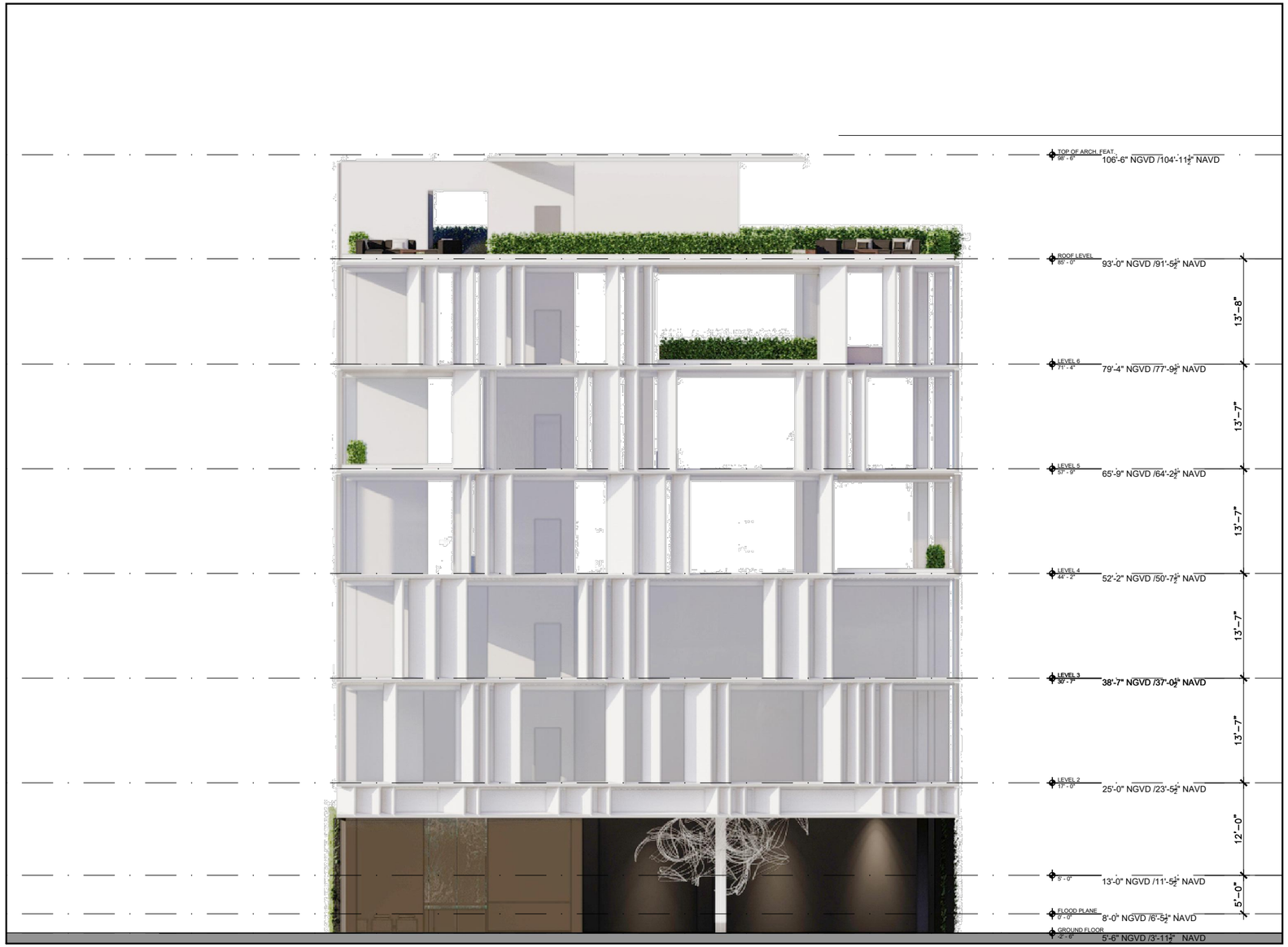
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PROPOSED COLOR
WEST ELEVATION

Date	09-26-2023	Sheet No.	A4.00
Scale			
Project	2132		



1 PROPOSED COLOR ELEVATION WEST

SCALE: 1/16" = 1'-0"

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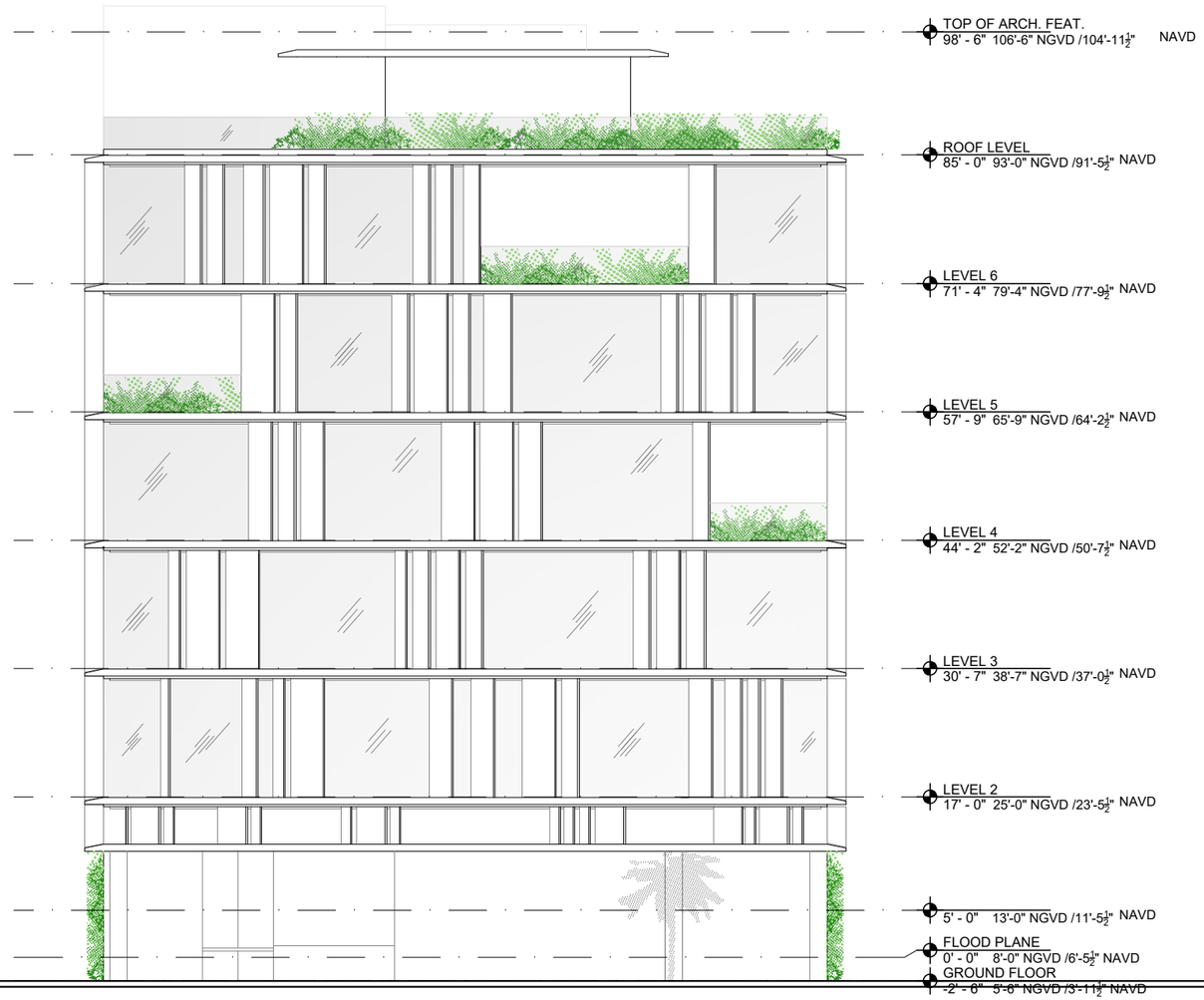
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PROPOSED COLOR WEST ELEVATION

Date	06.24.2022	Sheet No.	A4.43
Scale	1/16"=1'-0"		
Project	2132		



1 PROPOSED WEST ELEVATION
Scale: 1/16" = 1'-0"

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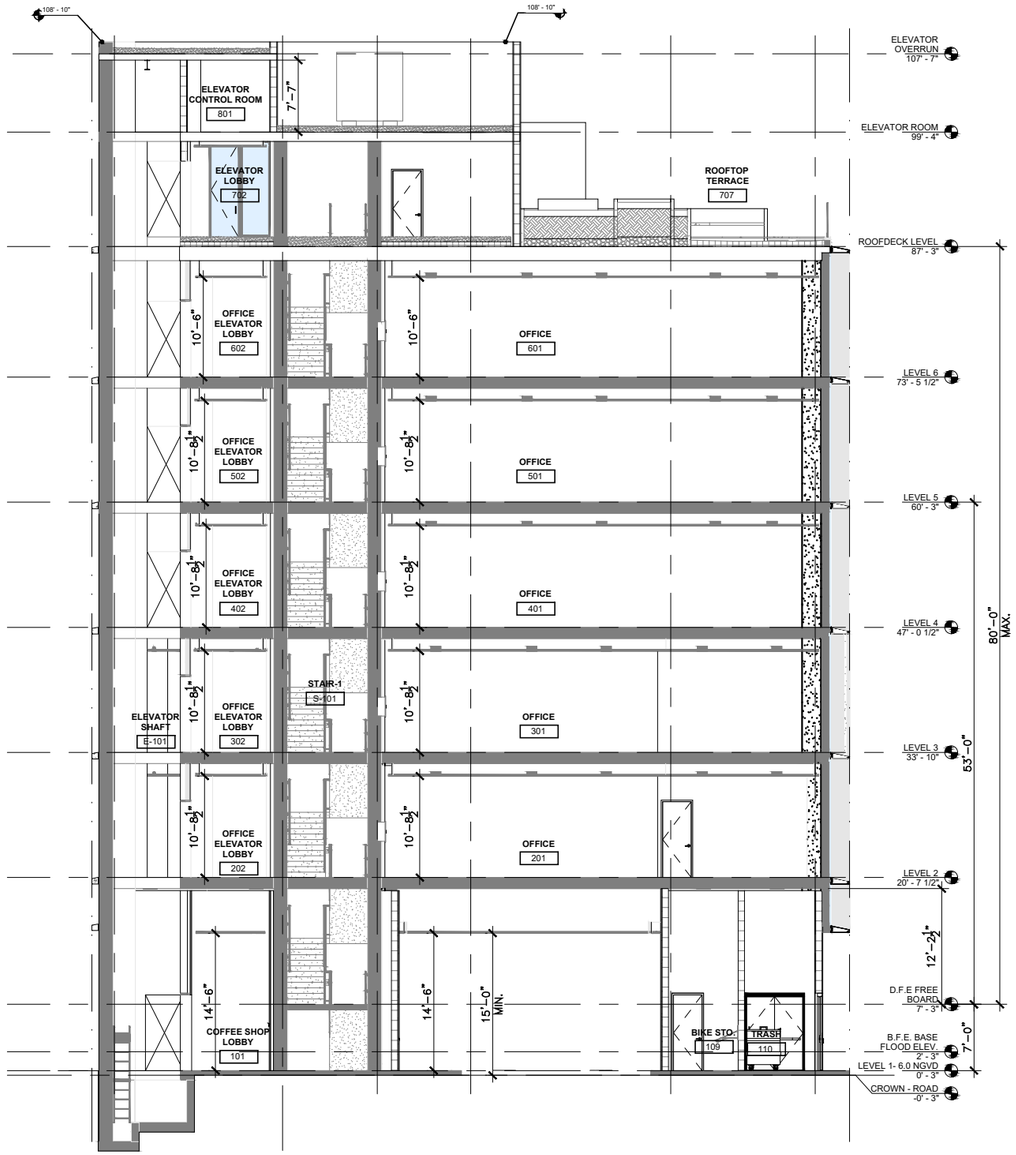
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REGISTERED ARCHITECT
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Lic. # AR0012578

K O B I K A R P

PROPOSED WEST ELEVATION

Date	09-26-2023	Sheet No.	A4.00.1
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Project	2132		



1 PROPOSED SECTION 1
Scale: 1/16" = 1'-0"

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PROPOSED SECTION 1

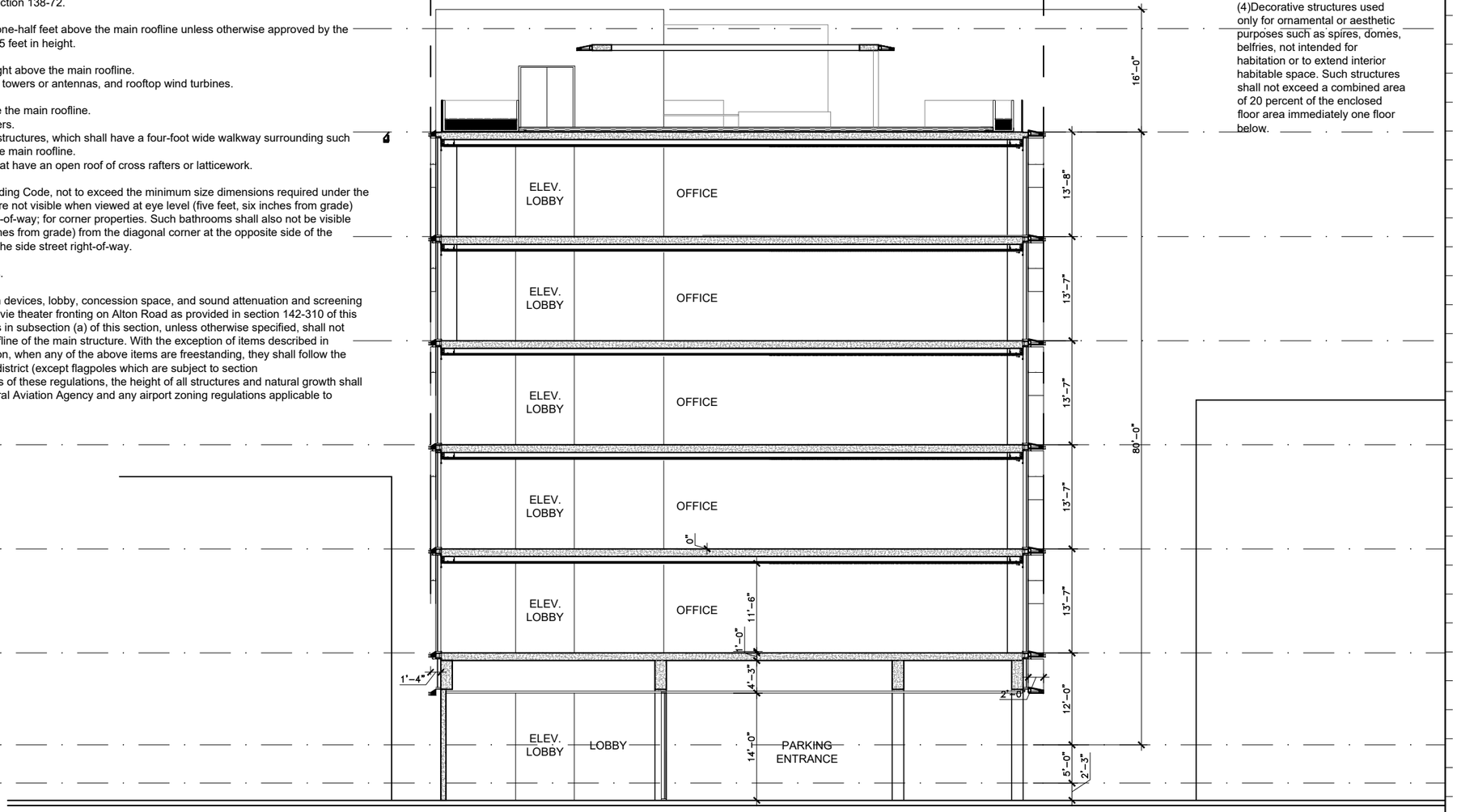
Date	09-26-2023	Sheet No.	A5.00
Scale			
Project	2132		

Sec. 142-1161. - Height regulation exceptions.

(a)The height regulations as prescribed in these land development regulations shall not apply to the following when located on the roof of a structure or attached to the main structure. For exceptions to the single-family residential districts, see subsection 142-105(e).
(1)Air conditioning, ventilation, electrical, plumbing equipment or equipment rooms.
(2)Chimneys and air vents.
(3)Decks, not to exceed three feet above the main roofline and not exceeding a combined deck area of 50 percent of the enclosed floor area immediately one floor below.
(4)Decorative structures used only for ornamental or aesthetic purposes such as spires, domes, belfries, not intended for habitation or to extend interior habitable space. Such structures shall not exceed a combined area of 20 percent of the enclosed floor area immediately one floor below.
(5)Elevator bulkheads or elevator mechanical rooms.
(6)Flagpoles subject to the provisions of section 138-72.

(7)Parapet walls, not to exceed three and one-half feet above the main roofline unless otherwise approved by the design review board up to a maximum of 25 feet in height.

(8)Planters, not to exceed three feet in height above the main roofline.
(9)Radio, television, and cellular telephone towers or antennas, and rooftop wind turbines.
(10)Stairwell bulkheads.
(11)Skylights, not to exceed five feet above the main roofline.
(12)Stage towers or scenery lofts for theaters.
(13)Swimming pools, whirlpools or similar structures, which shall have a four-foot wide walkway surrounding such structures, not to exceed five feet above the main roofline.
(14)Trellis, pergolas or similar structures that have an open roof of cross rafters or latticework.
(15)Water towers.
(16)Bathrooms required by the Florida Building Code, not to exceed the minimum size dimensions required under the Building Code, provided such bathrooms are not visible when viewed at eye level (five feet, six inches from grade) from the opposite side of the adjacent right-of-way; for corner properties. Such bathrooms shall also not be visible when viewed at eye level (five feet, six inches from grade) from the diagonal corner at the opposite side of the right-of-way and from the opposite side of the side street right-of-way.
(17)Solar panels.
(18)Wind turbines on oceanfront properties.
(19)Sustainable roofing systems.
(20)Display or screen structures, projection devices, lobby, concession space, and sound attenuation and screening devices, any of which serve an outdoor movie theater fronting on Alton Road as provided in section 142-310 of this chapter.(b)The height of all allowable items in subsection (a) of this section, unless otherwise specified, shall not exceed 25 feet above the height of the roofline of the main structure. With the exception of items described in subsection (a)(17) and (a)(18) of this section, when any of the above items are freestanding, they shall follow the height limitations of the underlying zoning district (except flagpoles which are subject to section 138-72).(c)Notwithstanding other provisions of these regulations, the height of all structures and natural growth shall be limited by the requirements of the Federal Aviation Agency and any airport zoning regulations applicable to structure and natural growth.



(4)Decorative structures used only for ornamental or aesthetic purposes such as spires, domes, belfries, not intended for habitation or to extend interior habitable space. Such structures shall not exceed a combined area of 20 percent of the enclosed floor area immediately one floor below.

1 PROPOSED SECTION
SCALE: 1/16" = 1'-0"

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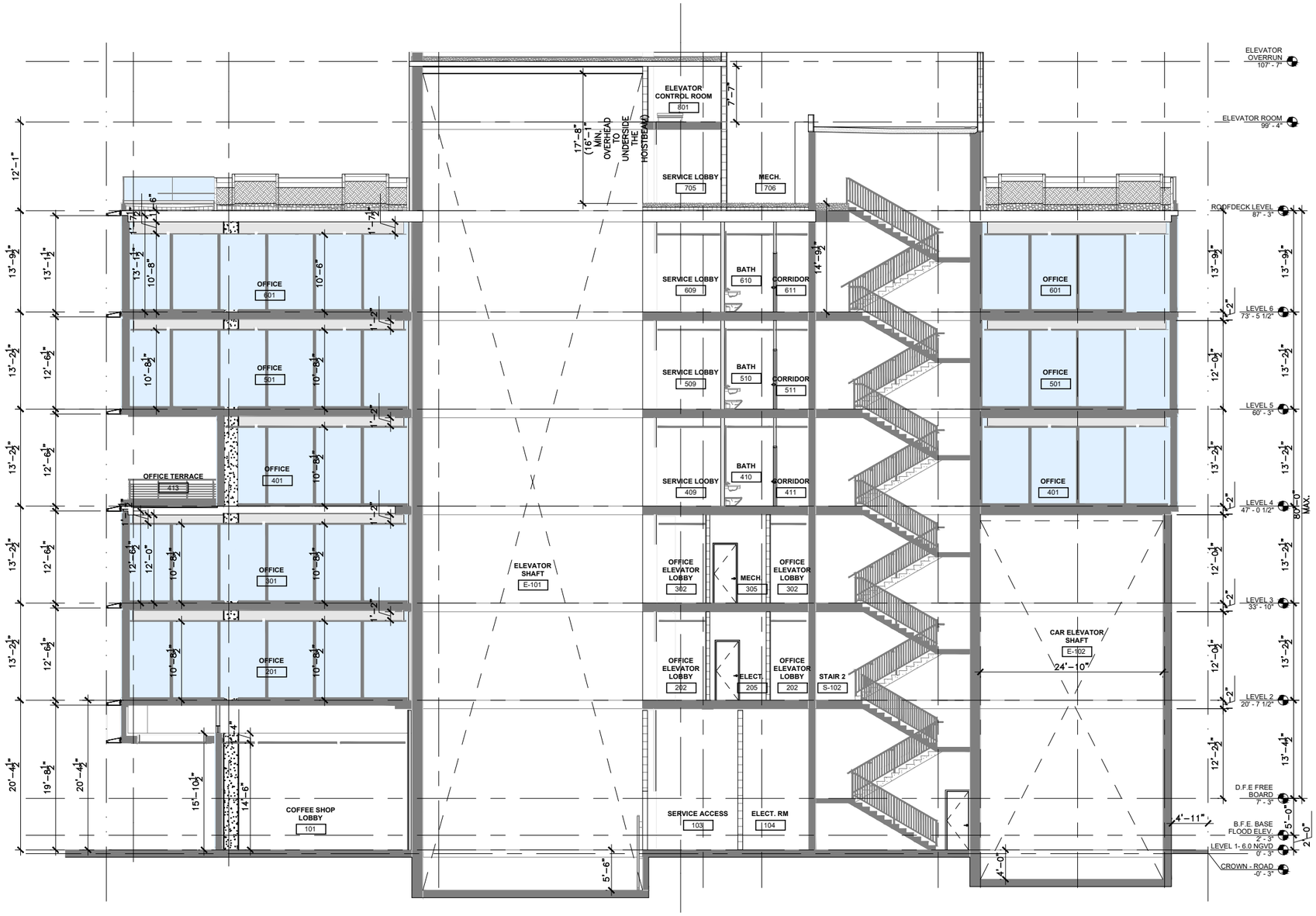
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PROPOSED SECTION

Date	06.24.2022	Sheet No.	A5.01
Scale	1/16"=1'-0"		
Project	2132		



1 PROPOSED SECTION 2
Scale: 1/16" = 1'-0"

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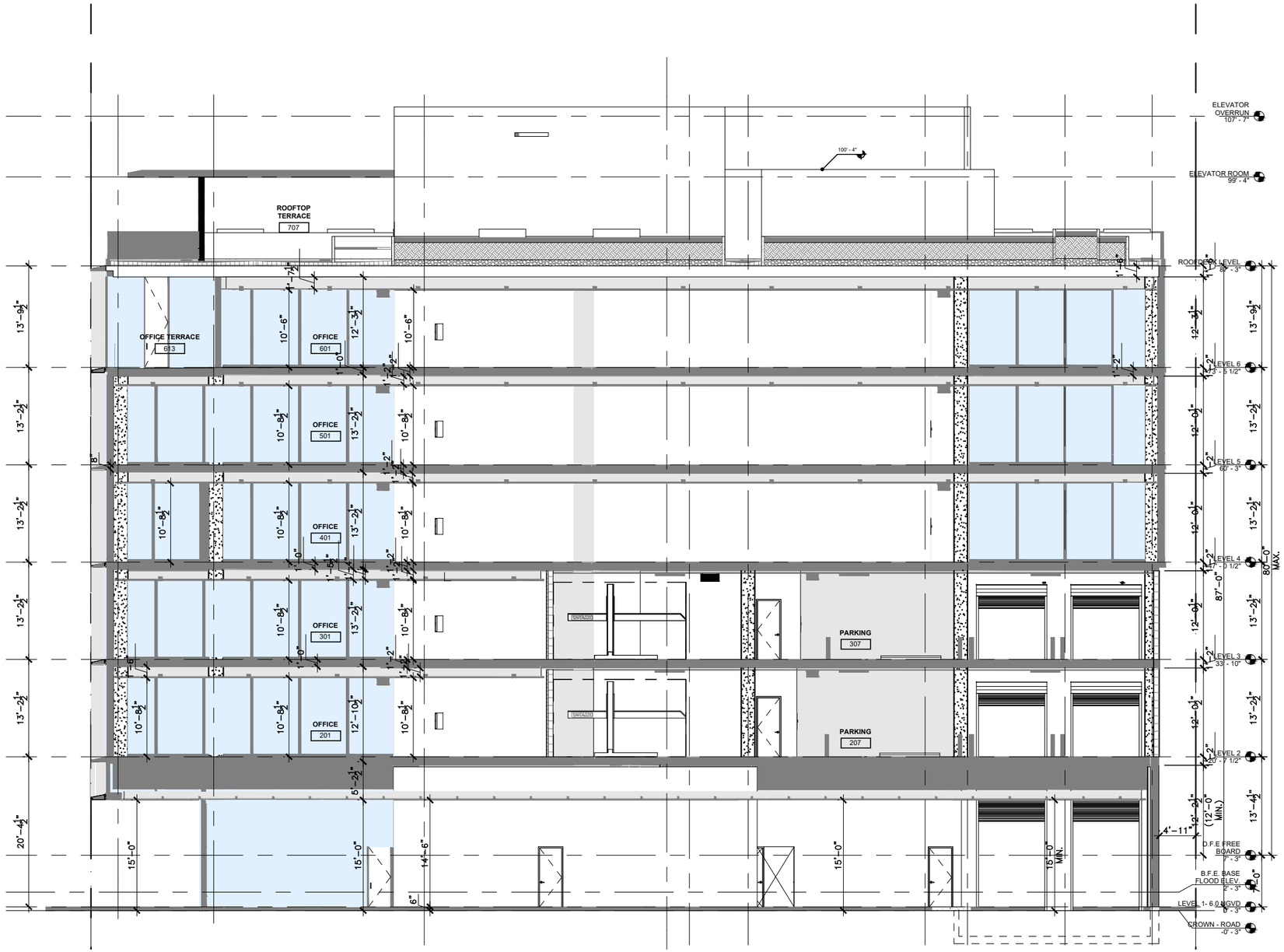
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Kobi Karp
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Lic. # AR0012578

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PROPOSED SECTION 2

Date	09-26-2023	Sheet No.	A5.01
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1 PROPOSED SECTION 3

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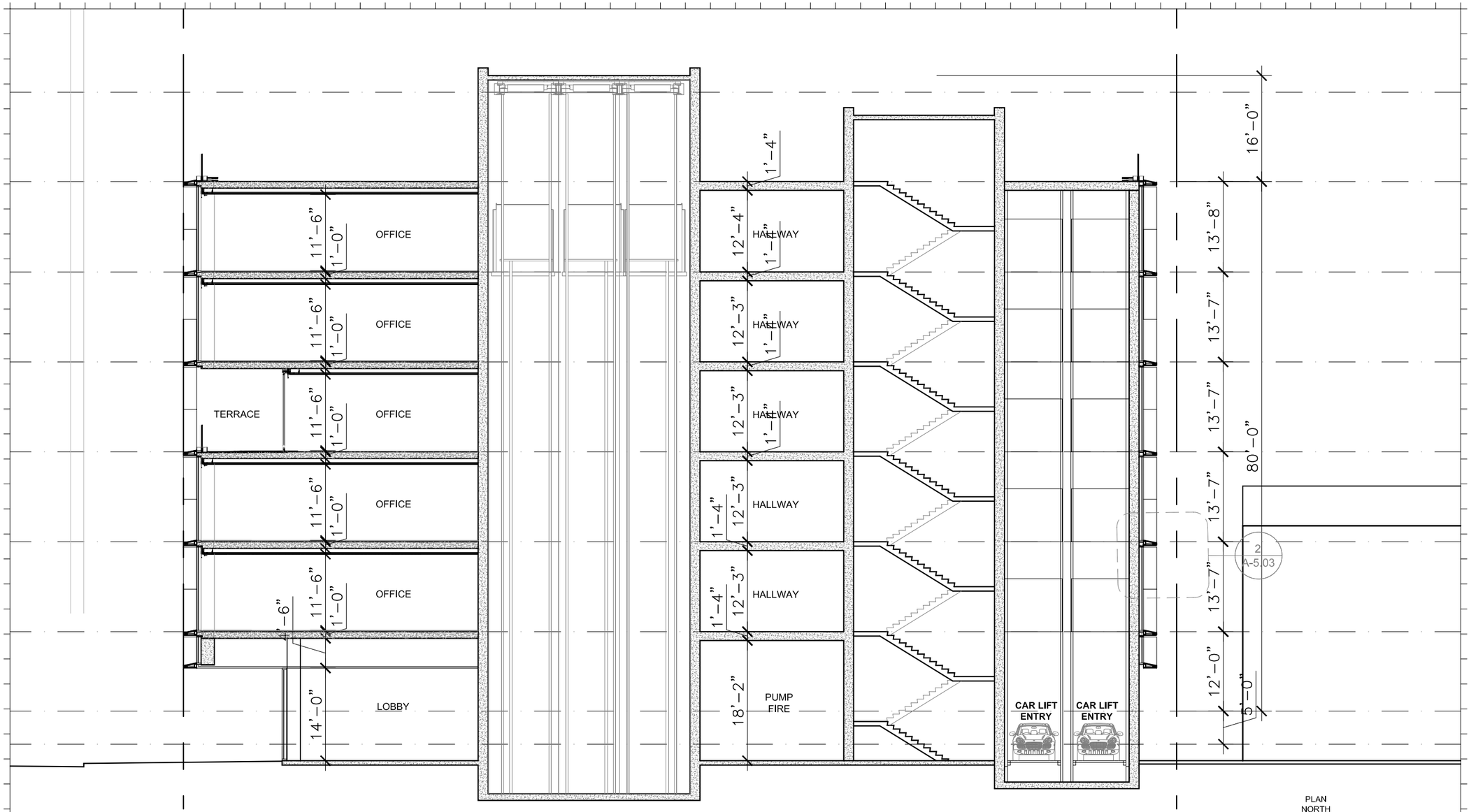
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KOBI KARP
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Kobi Karp
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KOBI KARP
Lic. # AR0012578

K O B I K A R P

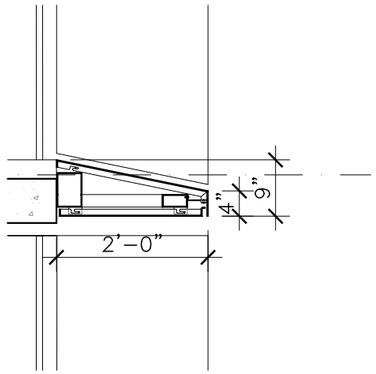
PROPOSED SECTION 3

Date	09-26-2023	Sheet No.
Scale		A5.02
Project	2132	



1 SECTION 2
1/16"=1'–0"

PLAN NORTH



3 24" PROJECTION
1/4"=1'–0"

APPROVED PB22-0503

Rev.	Date	Rev.	Date

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PB SUBMITTAL

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Consultant:
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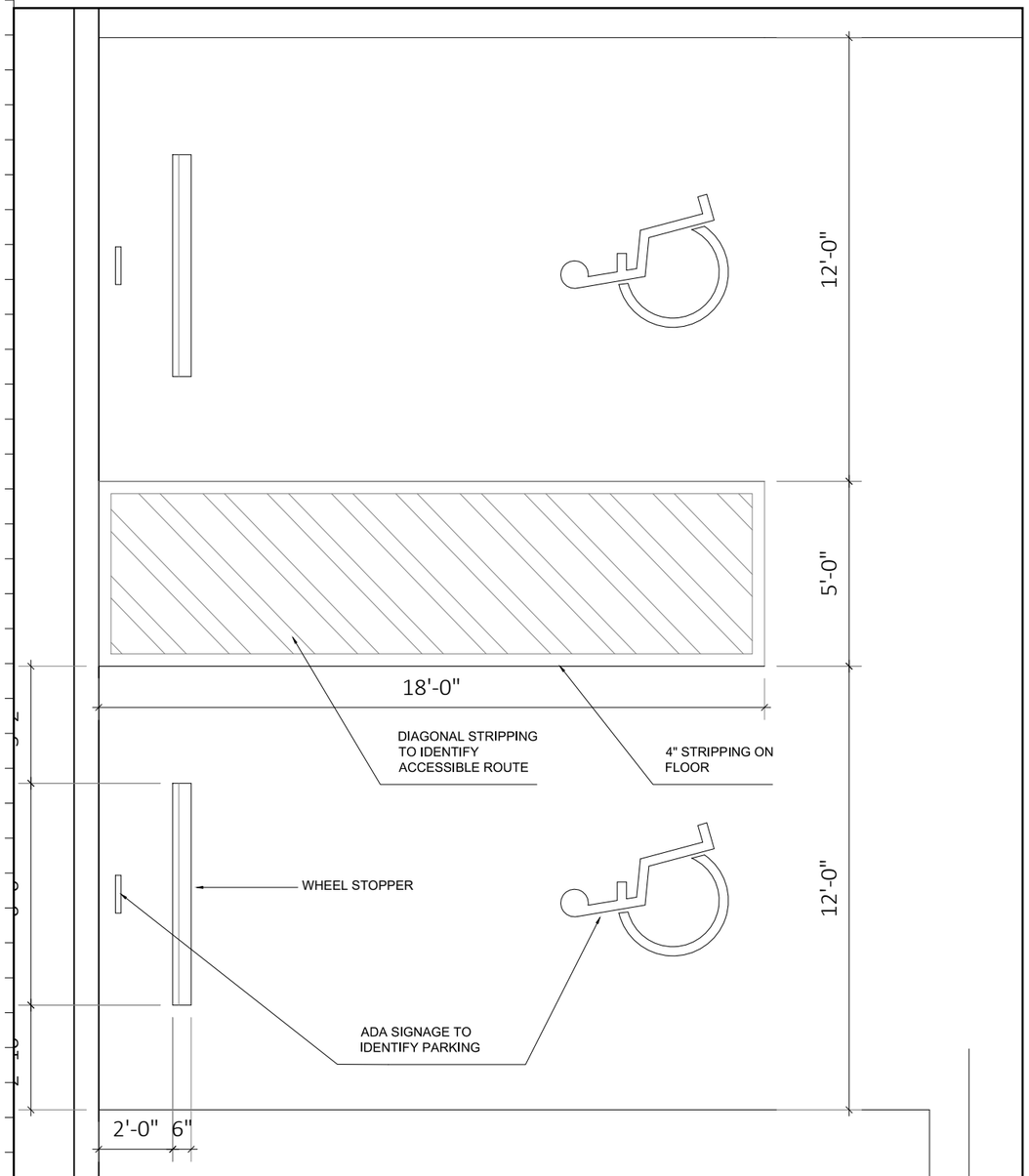
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STATE OF FLORIDA REGISTERED ARCHITECT
Kobi Karp
2023.09.26
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K O B I K A R P

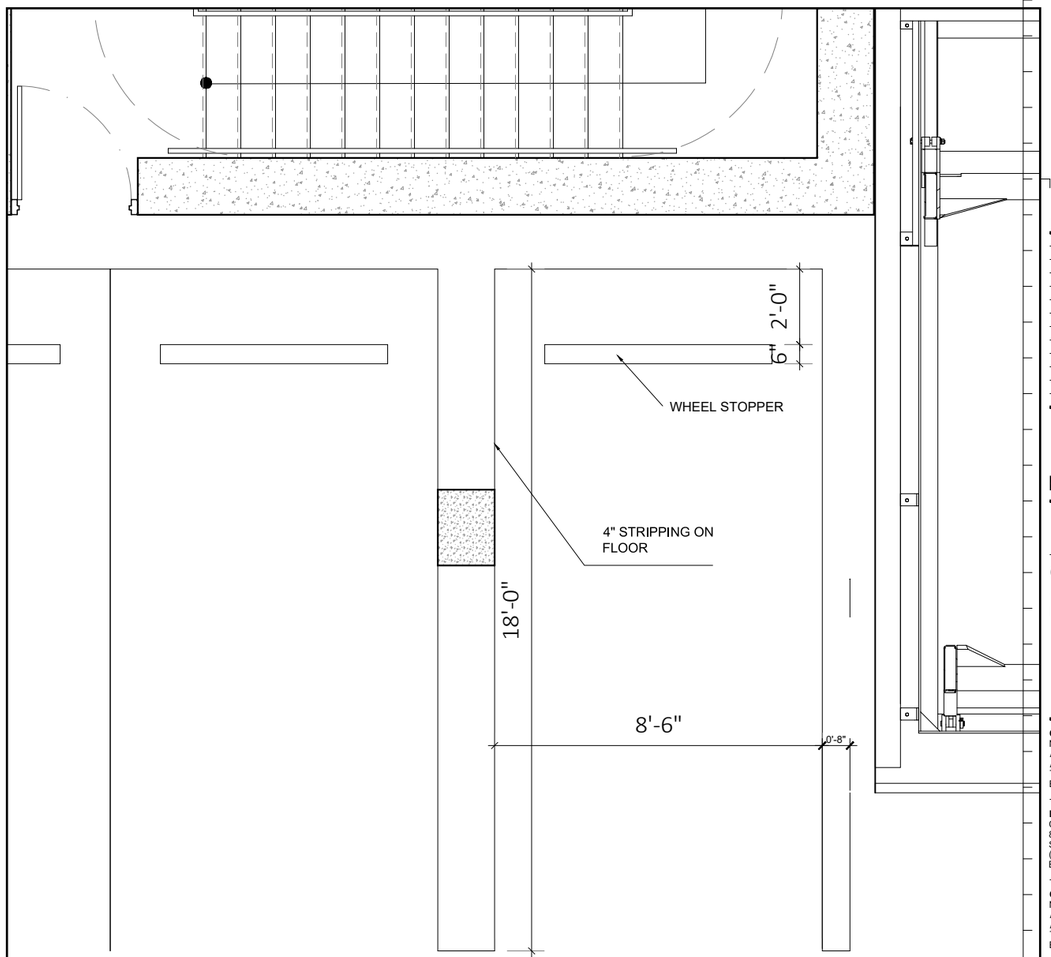
SECTION 2

Date	06.24.2022	Sheet No.
Scale		A5.02
Project	2132	



1 ADA Parking Detail 1

SCALE: 1" = 1/4"



1 Standard Parking Detail 2

SCALE: 1" = 1/4"

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Tel: +1(305) 573 1818
Fax: +1(305) 573 3766

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REGISTERED ARCHITECT

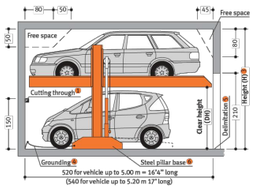
K O B I K A R P

PARKING DETAILS

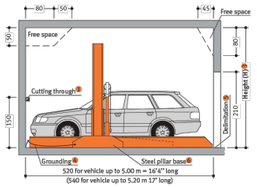
Date	06.24.2022	Sheet No.	A8.00
Scale	1" = 16'-0"		
Project	2132		

Page 1 Section Dimensions Car data
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Page 4 Electrical installation Technical data
Page 5 To be performed by the customer Description

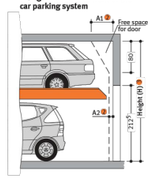
SingleVario 2061



Before lowering the platform, the vehicle parked in the lower parking space must be driven off!



Garage with door in front of the car parking system



Notes

- For dividing walls: cutting through 10 x 10 cm (for pipes).
- Dimensions A1, A2 and A3 must be coordinated with the door supplier.
- If the total height is greater, the max. vehicle height for the upper parking space increases accordingly.
- Potential equalization from foundation grounding connection to system (provided by the customer).
- In compliance with DIN EN 14 010, 10 cm wide yellow-black markings compliant to ISO 3864 must be applied by the customer to the edge of the platform in the access area to mark the dangerzone in front of the supporting surface of the upper platform edge (see »Load Plan«, Page 3)
- Variable steel pillar bases in two sizes (see »Load Plan«, Page 3).
- Maximum load of 2,500 kg for extra charge.

Product Data SingleVario 2061

CE CONFORMITY

Loadable up to 2,500 kg
A system for any height
subsequently adjustable!

Dimensions:

All space requirements are minimum finished dimensions. Tolerances for space requirements *): Dimensions in cm. EB (single platform) = 2 vehicles

Type	H	DH**
2061-160	320	160
2061-170*	330	170
2061-180	340	180
2061-190	350	190
2061-200	360	200
2061-210	370	210

* = standard type ** = without car

Suitable for:

Standard passenger car, station wagon/Van/SUV. Height and length according to contour.

Type	H	car height upper	car height lower
2061-160	320	150	150
2061-170*	330	150	160
2061-180	340	150	170
2061-190	350	150	180
2061-200	360	150	190
2061-210	370	150	200

* = standard type

width	190 cm
weight ⚖	max. 2000/2500 kg
wheel load	max. 500/625 kg

Standard passenger car



Standard station wagon/Van/SUV



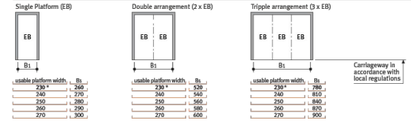
Standard passenger cars are vehicles without any sports options such as spoilers, low-profile tyres etc.

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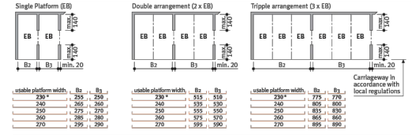
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Width for basement garage

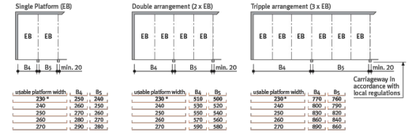
Standing units



Columns in system zone

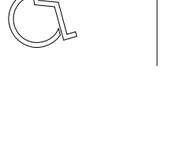


Columns outside of system zone



Widths for garage with door in front of car parking system

Single platform (EB)



A3 = seat-engaging surface (dimensions require coordination with door supplier)

Allround door dimensions require coordination between door supplier and local agency of Klaus Multiparking.

Double arrangement (2 x EB)



* = standard width (parking space width 2.30 m)

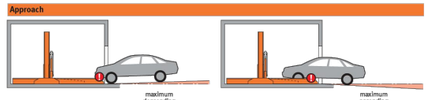
● = no standard width for doors!

Please note:

End parking spaces are generally more difficult to drive into. Therefore we recommended for end parking spaces our wider platforms. Parking on standard width platforms with larger vehicles may make getting into and out of the vehicle difficult. This depends on type of vehicle, approach and above all on the individual driver's skill.

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Approach

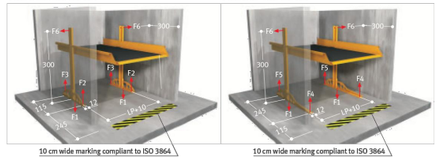


The illustrated maximum approach angles must not be exceeded. Incorrect approach angles will cause serious maneouvring & positioning problems on the parking system for which the local agency of Klaus accepts no responsibility.

Load plan

Option 1: short steel pillar base

Option 2: long steel pillar base



platform load	F1	F2	F3	F4	F5	F6
2,000 kg	39	1.1	7.4	0.5	7.7	t1
2,500 kg	35	1.3	8.9	0.6	9.3	t1

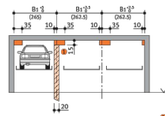
Forces in kN

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)

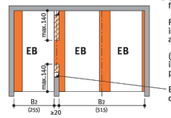


B1, B2 = (see table on page 2)

Free space for vertical pipelines, ventilation branch canals

Free space for horizontal ducting

Approach level



● 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.

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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

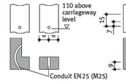
Suitable electrical supply to the main switch and the control wire line must be provided by the customer during installation. The functionality can be monitored on site by our fitters together with the electrician. If this cannot be done during installation for some reason for which the customer is responsible,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

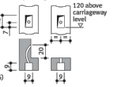
Operating device

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 horizontally (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
- Casted 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

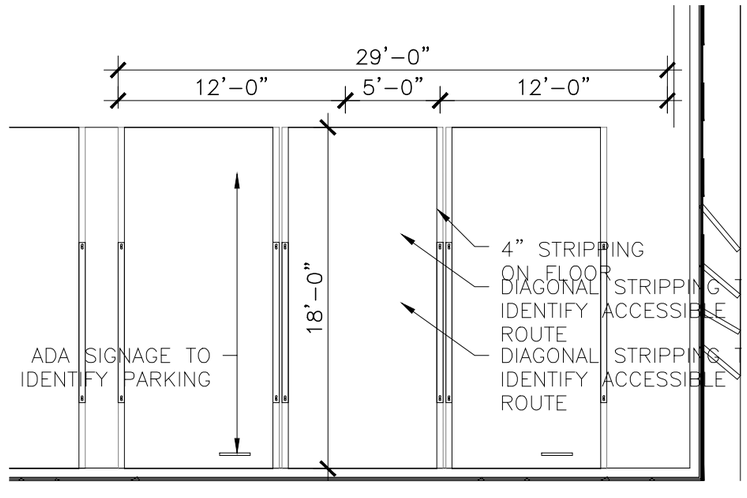
The Klaus company reserves the right in the course of technical progress to use newer or other technologies, systems, processes, procedures or standards in the fulfillment of their obligations other than those originally offered provided the customer derives no disadvantage from their so doing.

1 Lift Parking Spec Sheets

SCALE: NTS

2 Standard Parking Detail 2

SCALE: 1/4" = 1'–0"



3 ADA Parking Detail 1

SCALE: 1/4" = 1'–0"

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PB23-0629 FIRST SUBMISSION

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Lic. # AR0012578

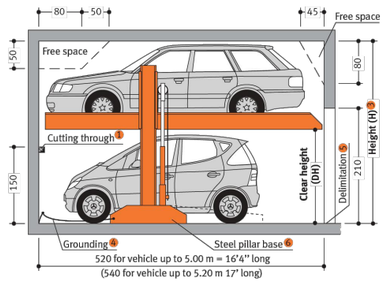
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PARKING DETAILS

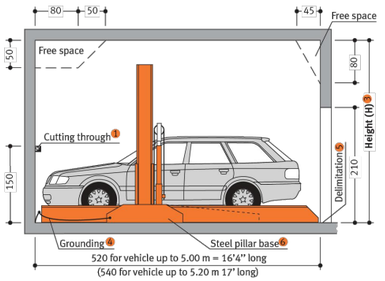
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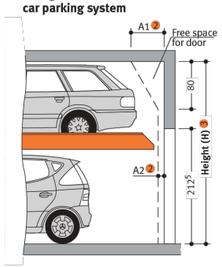
SingleVario 2061



Before lowering the platform, the vehicle parked in the lower parking space must be driven off!



Garage with door in front of the car parking system



Notes

1. For dividing walls: cutting through 10 x 10 cm (for pipes).
2. Dimensions A1, A2 and A3 must be coordinated with the door supplier.
3. If the total height is greater, the max. vehicle height for the upper parking space increases accordingly.
4. Potential equalization from foundation grounding connection to system (provided by the customer).
5. In compliance with DIN EN 14 010, 10 cm wide yellow-black markings compliant to ISO 3864 must be applied by the customer to the edge of the platform in the access area to mark the danger zone in front of the supporting surface of the upper platform edge (see »Load Plan«, Page 3)
6. Variable steel pillar bases in two sizes (see »Load Plan«, Page 3).
7. Maximum load of 2,500 kg for extra charge.

Product Data SingleVario 2061

CE CONFORMITY

Loadable up to 2,500 kg
A system for any height
subsequently adjustable!

Dimensions:
All space requirements are minimum finished dimensions. Tolerances for space requirements *), Dimensions in cm.
EB (single platform) = 2 vehicles

Type	H	DH**
2061-160	320	160
2061-170*	330	170
2061-180	340	180
2061-190	350	190
2061-200	360	200
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* = standard type ** = without car

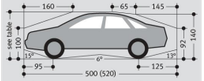
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Standard passenger car, station wagon/Van/SUV. Height and length according to contur.

Type	H	car height upper	car height lower
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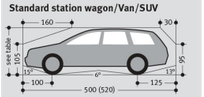
* = standard type

width	190 cm
weight 7	max. 2000/2500 kg
wheel load	max. 500/625 kg

Standard passenger car



Standard station wagon/Van/SUV



Standard passenger cars are vehicles without any sports options such as spoilers, low-profile tyres etc.

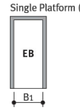
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Width for basement garage

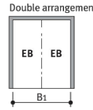
Dividing walls

Single Platform (EB)



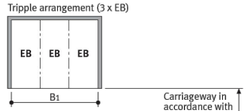
usable platform width	B1
230 *	260
240	270
250	280
260	290
270	300

Double arrangement (2 x EB)



usable platform width	B1
230 *	520
240	540
250	560
260	580
270	600

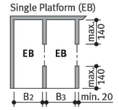
Tripple arrangement (3 x EB)



usable platform width	B1
230 *	780
240	810
250	840
260	870
270	900

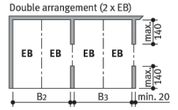
Columns in system zone

Single Platform (EB)



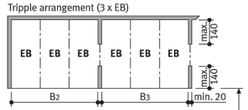
usable platform width	B2	B3
230 *	255	250
240	265	260
250	275	270
260	285	280
270	295	290

Double arrangement (2 x EB)



usable platform width	B2	B3
230 *	515	510
240	535	530
250	555	550
260	575	570
270	595	590

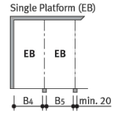
Tripple arrangement (3 x EB)



usable platform width	B2	B3
230 *	775	770
240	805	800
250	835	830
260	865	860
270	895	890

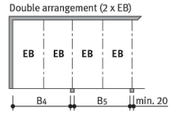
Columns outside of system zone

Single Platform (EB)



usable platform width	B4	B5
230 *	250	240
240	260	250
250	270	260
260	280	270
270	290	280

Double arrangement (2 x EB)



usable platform width	B4	B5
230 *	510	500
240	530	520
250	550	540
260	570	560
270	590	580

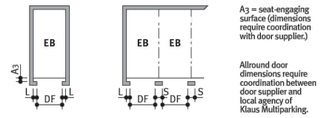
Tripple arrangement (3 x EB)



usable platform width	B4	B5
230 *	770	760
240	800	790
250	830	820
260	860	840
270	890	860

Widths for garage with door in front of car parking system

Single platform (EB)

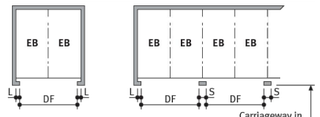


A3 = seat-engaging surface (dimensions require coordination with door supplier.)

Allround door dimensions require coordination between door supplier and local agency of Klaus Multiparking.

usable platform width	door entrance width DF	L	S
230 *	237	12.5	25
240	250	12.5	25
250	250	15	30
260	260	15	30
270	270	15	30

Double arrangement (2 x EB)



usable platform width	door entrance width DF	L	S
230 *	475	22.5	45
240	500	20	40
250	520 1	20	40
260	540 1	20	40
270	560 1	20	40

* = standard width (parking space width 2.30 m)

1 = no standard width for doors!

Please note:

End parking spaces are generally more difficult to drive into. Therefore we recommended for end parking spaces our wider platforms. Parking on standard width platforms with larger vehicles may make getting into and out of the vehicle difficult. This depends on type of vehicle, approach and above all on the individual driver's skill.

1 Lift Parking Detail 1

SCALE: NTS

PROPOSED

Rev.	Date	Rev.	Date

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PB23-0629 FIRST SUBMISSION

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Email --

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Address Studio 113, Miami, FL
Tel: (786) 536-6076
Email carolina@cladlandscape.com

Structural:
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Address 99 NW 27 Avenue
Address Miami, FL 33131
Tel: (305) 969-9423
Email yh@yhengineering.com

MEP:
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Tel: (212) 615-3602
Email dmass@cosentini.com

Architect:
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Miami, Florida 33127 USA
Tel: +1(305) 573 1818
Fax: +1(305) 573 3766

STATE OF FLORIDA REGISTERED ARCHITECT
Kobi Karp
2023.09.26
15:05:25-04'00'
KOBI KARP
Lic. # AR0012578

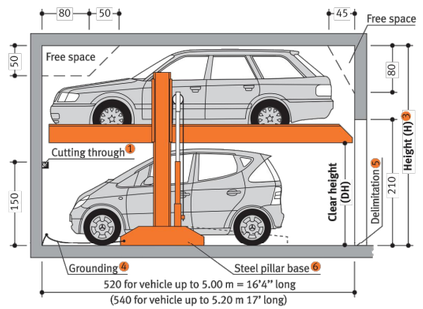
K O B I K A R P

PARKING DETAILS

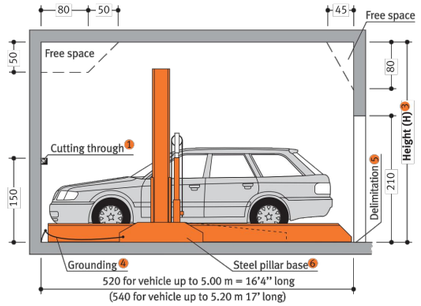
Date	09-05-2023	Sheet No.	A8.01
Scale	1/4" = 1' 0"		
Project	2132		

Page 1 Section Dimensions Car data
Page 2 Width dimesions
Page 3 Approach Load plan Installation
Page 4 Electrical installation Technical data
Page 5 To be perfor-med by the customer Description

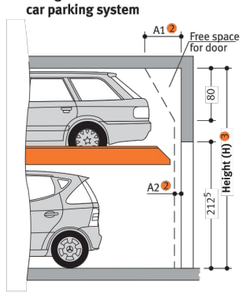
SingleVario 2061



Before lowering the platform, the vehicle parked in the lower parking space must be driven off!



Garage with door in front of the car parking system



Notes

1. For dividing walls: cutting through 10 x 10 cm (for pipes).
2. Dimensions A1, A2 and A3 must be coordinated with the door supplier.
3. If the total height is greater, the max. vehicle height for the upper parking space increases accordingly.
4. Potential equalization from foundation grounding connection to system (provided by the customer).
5. In compliance with DIN EN 14 010, 10 cm wide yellow-black markings compliant to ISO 3864 must be applied by the customer to the edge of the platform in the access area to mark the danger zone in front of the supporting surface of the upper platform edge (see »Load Plan«, Page 3)
6. Variable steel pillar bases in two sizes (see »Load Plan«, Page 3).
7. Maximum load of 2,500 kg for extra charge.

Product Data SingleVario 2061

CE CONFORMITY

Loadable up to 2,500 kg
A system for any height
subsequently adjustable!

Dimensions:

All space requirements are minimum finished dimensions. Tolerances for space requirements $^{+3}_{0}$. Dimensions in cm.
EB (single platform) = 2 vehicles

Type	H	DH**
2061-160	320	160
2061-170*	330	170
2061-180	340	180
2061-190	350	190
2061-200	360	200
2061-210	370	210

* = standard type ** = without car

Suitable for:

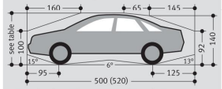
Standard passenger car, station wagon/Van/SUV. Height and length according to contur.

Type	H	car height upper	car height lower
2061-160	320	150	150
2061-170*	330	150	160
2061-180	340	150	170
2061-190	350	150	180
2061-200	360	150	190
2061-210	370	150	200

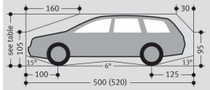
* = standard type

width	190 cm
weight 7	max. 2000/2500 kg
wheel load	max. 500/625 kg

Standard passenger car



Standard station wagon/Van/SUV



Standard passenger cars are vehicles without any sports options such as spoilers, low-profile tyres etc.

KLAUS multiparking
Klaus Multiparking GmbH
Hermann-Krum-Straße 2
D-88319 Aitrach
Phone +49-75 65-5 08-0
Fax +49-75 65-5 08-88
E-Mail info@multiparking.com
Internet www.multiparking.com

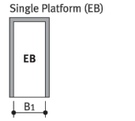
SingleVario **2061** | Code number 584.69.890-002 | Version 09.2009

Page 1 Section Dimensions Car data
Page 2 Width dimesions
Page 3 Approach Load plan Installation
Page 4 Electrical installation Technical data
Page 5 To be perfor-med by the customer Description

Width for basement garage

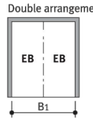
Dividing walls

Single Platform (EB)



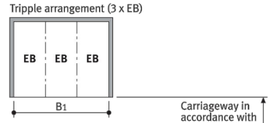
usable platform width	B1
230 *	260
240	270
250	280
260	290
270	300

Double arrangement (2 x EB)



usable platform width	B1
230 *	520
240	540
250	560
260	580
270	600

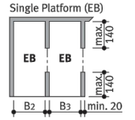
Tripple arrangement (3 x EB)



usable platform width	B1
230 *	780
240	810
250	840
260	870
270	900

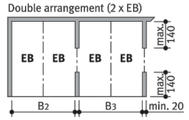
Columns in system zone

Single Platform (EB)



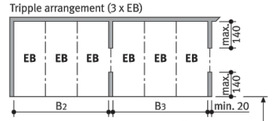
usable platform width	B2	B3
230 *	255	250
240	265	260
250	275	270
260	285	280
270	295	290

Double arrangement (2 x EB)



usable platform width	B2	B3
230 *	515	510
240	535	530
250	555	550
260	575	570
270	595	590

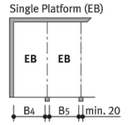
Tripple arrangement (3 x EB)



usable platform width	B2	B3
230 *	775	770
240	805	800
250	835	830
260	865	860
270	895	890

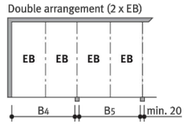
Columns outside of system zone

Single Platform (EB)



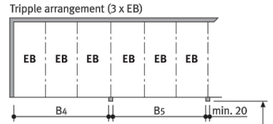
usable platform width	B4	B5
230 *	250	240
240	260	250
250	270	260
260	280	270
270	290	280

Double arrangement (2 x EB)



usable platform width	B4	B5
230 *	510	500
240	530	520
250	550	540
260	570	560
270	590	580

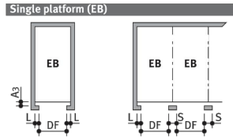
Tripple arrangement (3 x EB)



usable platform width	B4	B5
230 *	770	760
240	800	790
250	830	820
260	860	840
270	890	860

Widths for garage with door in front of car parking system

Single platform (EB)



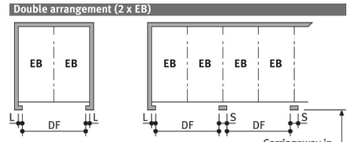
A3 = seat-engaging surface (dimensions require coordination with door supplier.)

Allround door dimensions require coordination between door supplier and local agency of Klaus Multiparking.

usable platform width	door entrance width DF	L	S
230 *	237.5	12.5	25
240	250	12.5	25
250	250	15	30
260	260	15	30
270	270	15	30

* = standard width (parking space width 2.30 m)

Double arrangement (2 x EB)



usable platform width	door entrance width DF	L	S
230 *	475	22.5	45
240	500	20	40
250	520 1	20	40
260	540 1	20	40
270	560 1	20	40

1 = no standard width for doors!

Please note:

End parking spaces are generally more difficult to drive into. Therefore we recommended for end parking spaces our wider platforms. Parking on standard width platforms with larger vehicles may make getting into and out of the vehicle difficult. This depends on type of vehicle, approach and above all on the individual driver's skill.

1 Lift Parking Detail 1

SCALE: NTS

APPROVED PB22-0503

Rev.	Date	Rev.	Date

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PB SUBMITTAL

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Architect:
Kobi Karp Architecture and Interior Design, Inc.
571 NW 28th Street
Miami, Florida 33127 USA
Tel: +1(305) 573 1818
Fax: +1(305) 573 3766

STATE OF FLORIDA REGISTERED ARCHITECT Kobi Karp 2023.09.26 09:32:04 -04'00'

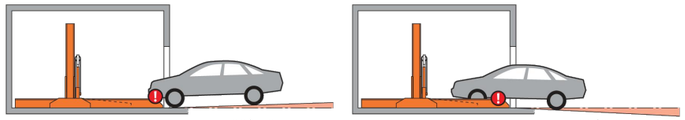
KOBI KARP

PARKING DETAILS

Date	06.24.2022	Sheet No.	A8.01
Scale	NTS		
Project	2132		

Page 1 Section Dimensions Car data
Page 2 Width dimesions
Page 3 Approach Load plan Installation
Page 4 Electrical installation Technical data
Page 5 To be perfor-med by the customer Description

Approach

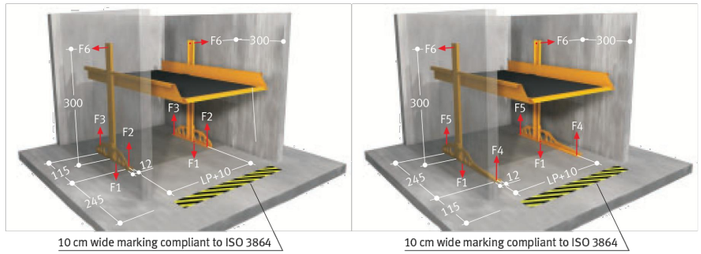


The illustrated maximum approach angles must not be exceeded. Incorrect approach angles will cause serious maneouvring & positioning problems on the parking system for which the local agency of Klaus accepts no responsibility.

Load plan

Option 1: short steel pillar base

Option 2: long steel pillar base



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

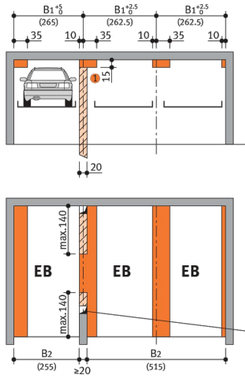
Forces in kN

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.

Page 1 Section Dimensions Car data
Page 2 Width dimesions
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Page 4 Electrical installation Technical data
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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

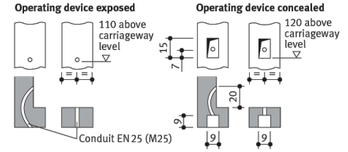
Suitable electrical supply to the main switch and the control wire line must be provided by the customer during installation. The functionality can be monitored on site by our fitters together with the electrician. If this cannot be done during installation for some reason for which the customer is responsible,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

PROPOSED

Rev.	Date	Rev.	Date

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PB23-0629 FIRST SUBMISSION

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STATE OF FLORIDA · REGISTERED ARCHITECT
Kobi Karp
2023.09.26
15:05:38-04'00'

KOBI KARP
Lic. # AR0012578

K O B I K A R P

PARKING DETAILS

Date	09-05-2023	Sheet No.	A8.02
Scale			
Project	2132		