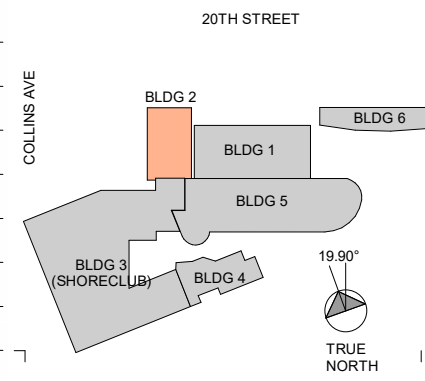
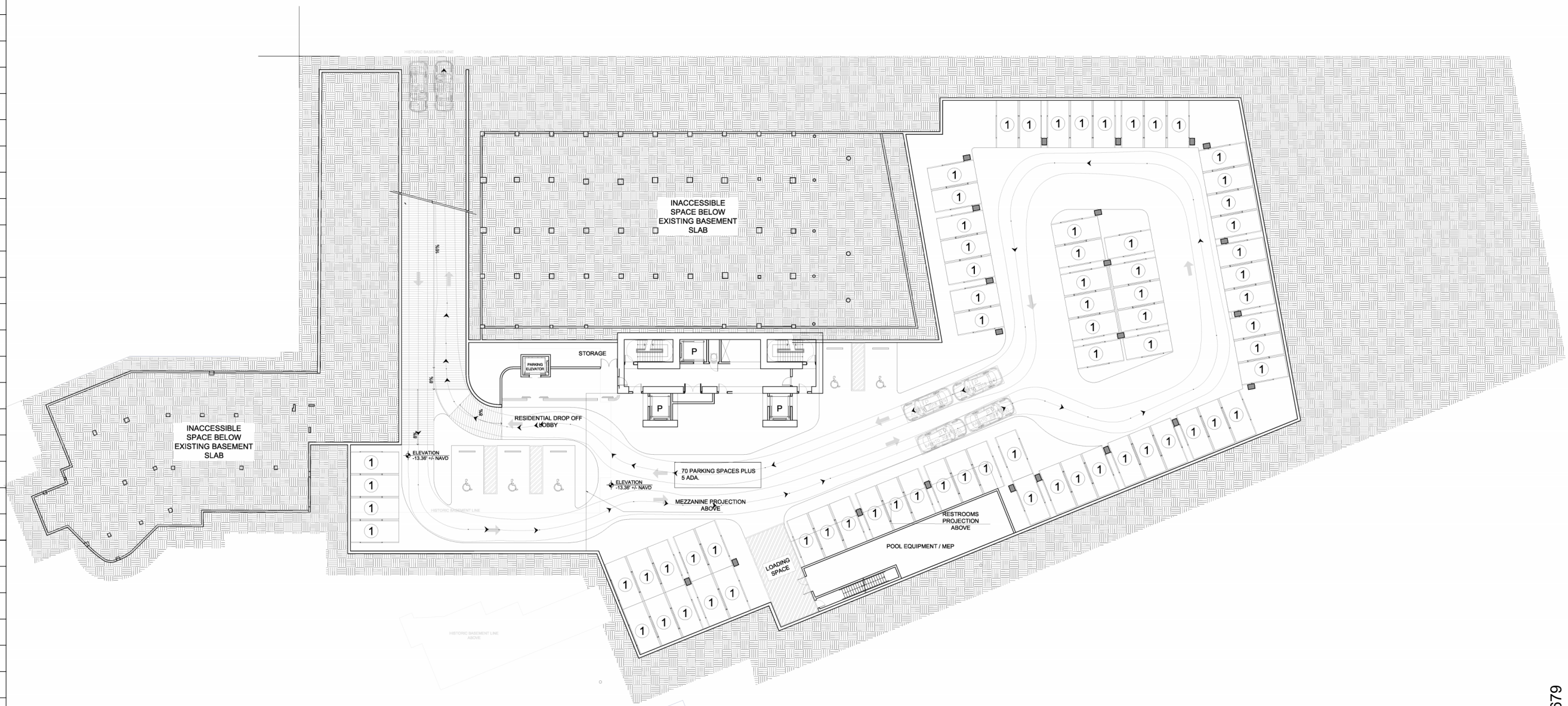




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2104

Shore Club
1901 Collins Ave.
Miami Beach, FL
33139

Owner:
Name: Shore Club Property Owner LLC
Address: 4400 Biscayne Blvd, Suite 900
Address: Miami, FL 33137
Name: Adam Gottlieb
Email: gottlieb@wikoff.com

Design Architect:
Name: Robert A.M Stern Architects LLP
Address: One Park Avenue
Address: New York, NY 10016
Tel: 212.967.5100
Email: d.silberman@rams-a.com

Architect:
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Address: 571 NW 28th Street
Address: Miami, Florida 33127
Tel: 305.573.1818
Email: kobikarp@kobikarp.com

Civil:
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Address: Suite 500, Coral Gables, FL 33134
Tel: 305-673-2025
Email:

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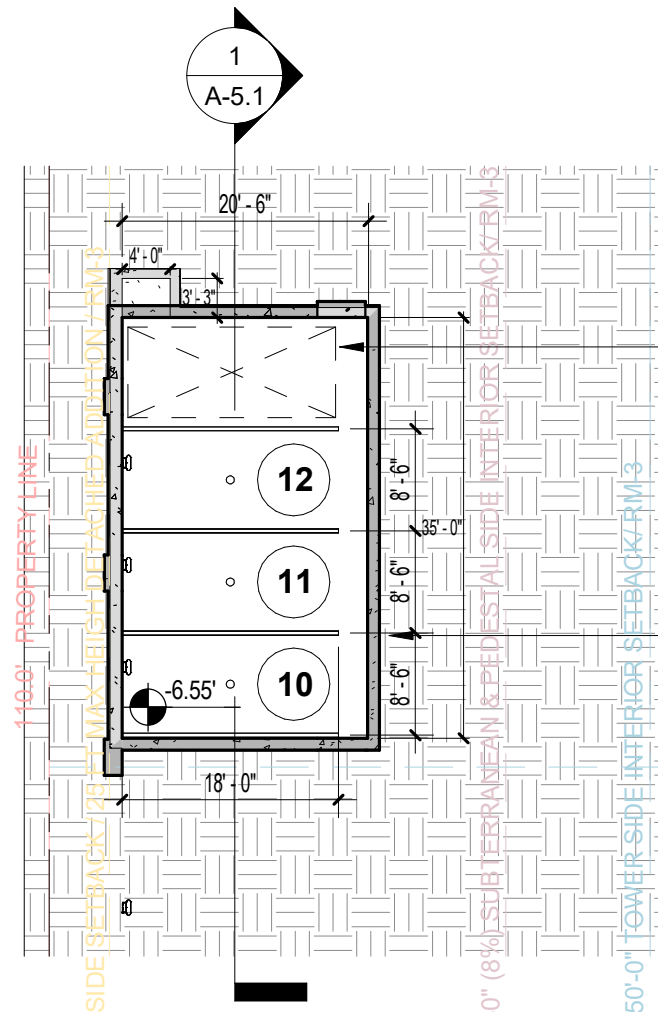


ALTERNATIVE PARKING PLAN

Date: 7/25/2024	Sheet No.
Scale:	A-2.2
Project: 2104	

Alternative Parking Plan previously approved under HPB21-0481 NTS

PB FINAL SUBMITTAL 24-0679

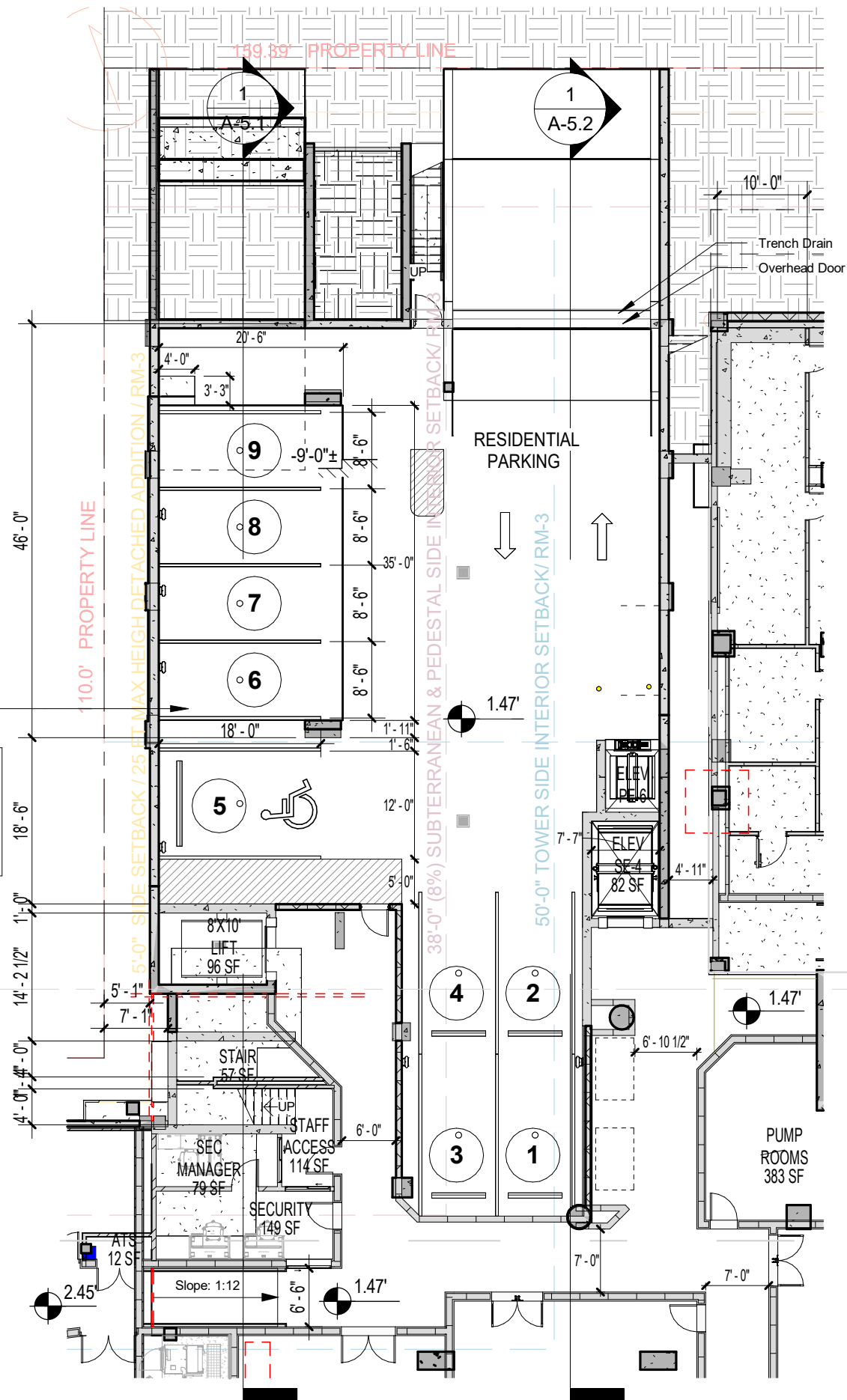


1 PB Enlarged Pit Parking
1/16" = 1'-0"

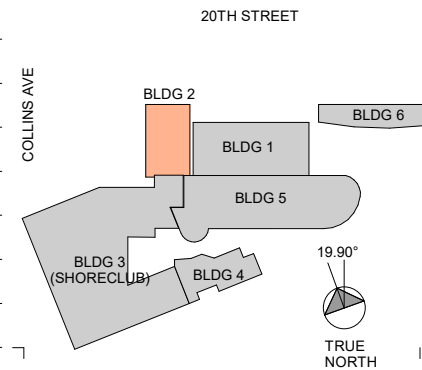
EMPTY SPACE NEEDED
FOR OPERATIONS

PROPOSED LOCATION
FOR AUTOMATED PUZZLE
PARKING SYSTEM

7 MECHANICAL SPACES
4 TANDEM
1 ADA
TOTAL+ 12 SPACES



2 PB Enlarged Parking -1
1/16" = 1'-0"



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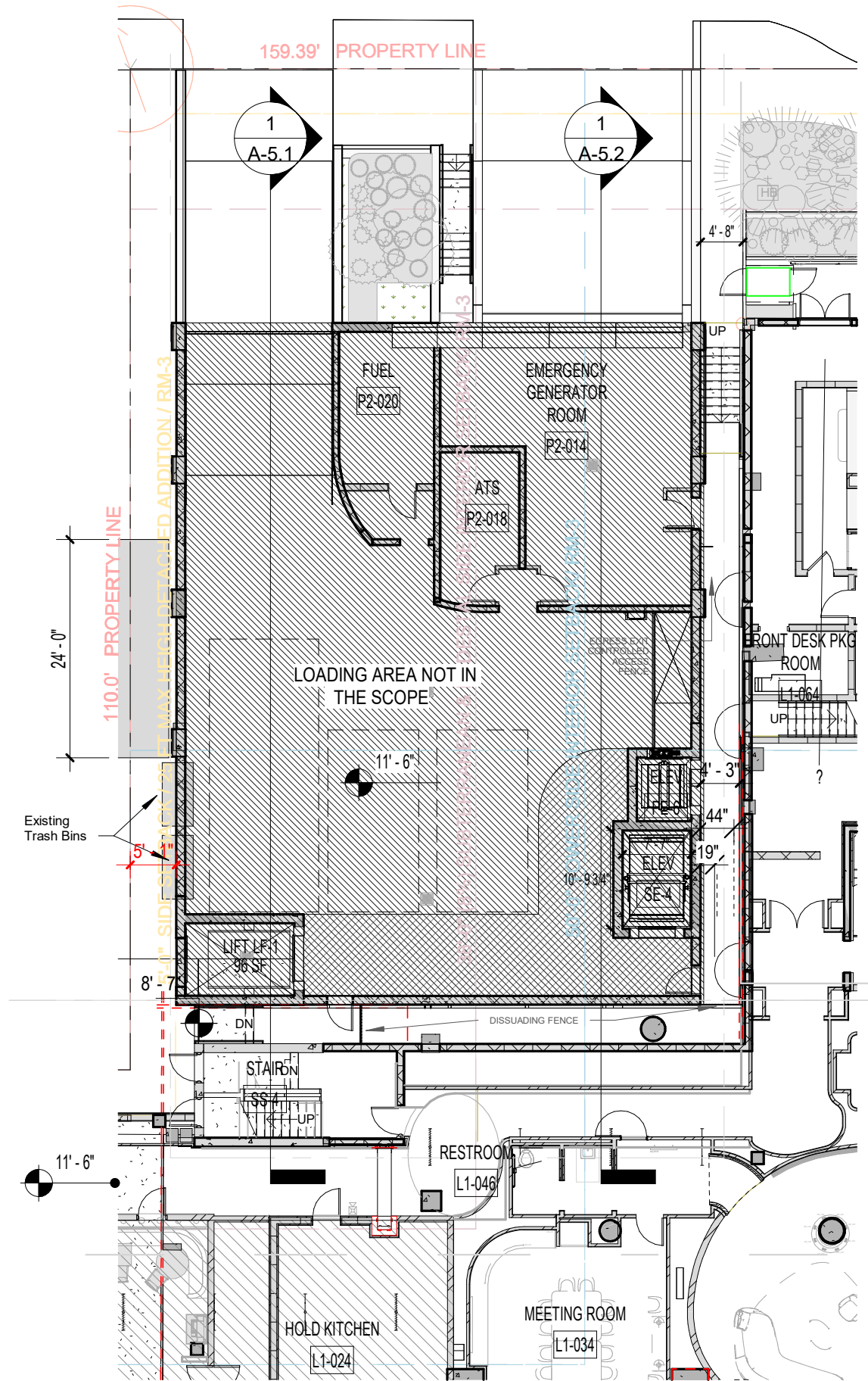
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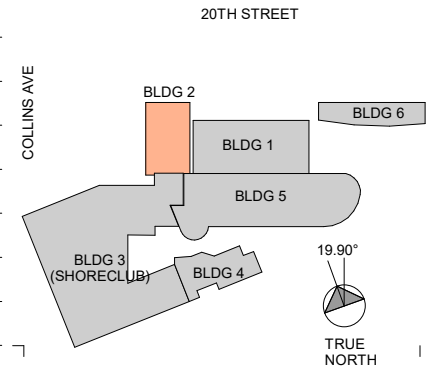
PARKING LEVEL PLAN

Date: 7/25/2024	Sheet No. A-3.0
Scale: 1/16" = 1'-0"	
Project: 2104	

PB FINAL SUBMITTAL 24-0679



1 PB Enlarged Loading 1
1/16" = 1'-0"



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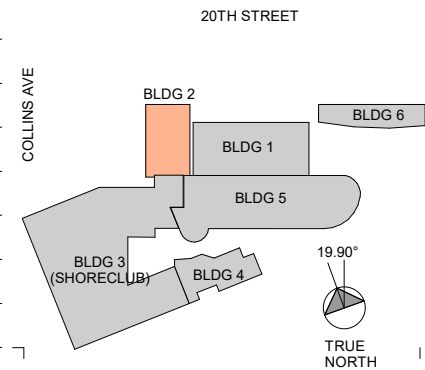
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LOADING LEVEL PLAN

Date: 7/25/2024	Sheet No. A-3.1
Scale: 1/16" = 1'-0"	
Project: 2104	

PB FINAL SUBMITTAL 24-0679



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PB SERVICE BUILDING
SECTIONS

Date:	7/25/2024	Sheet No. A-5.1
Scale:	3/32" = 1'-0"	
Project:	2104	

① $\frac{\text{PB Loading Volume}}{\text{Section NS Loading}} = 1'-0"$

PB FINAL SUBMITTAL 24-0679

PB FINAL SUBMITTAL 24-0679



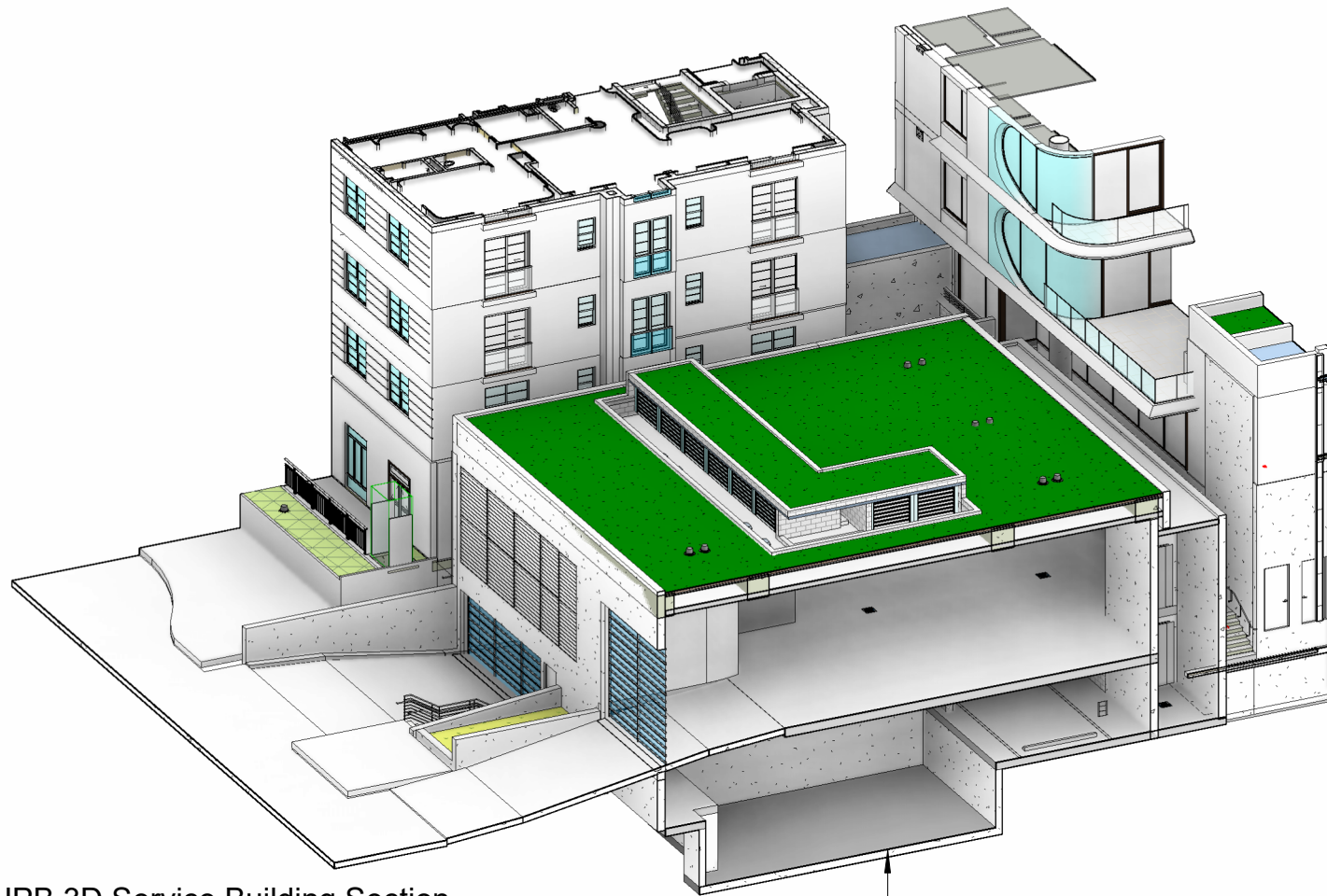
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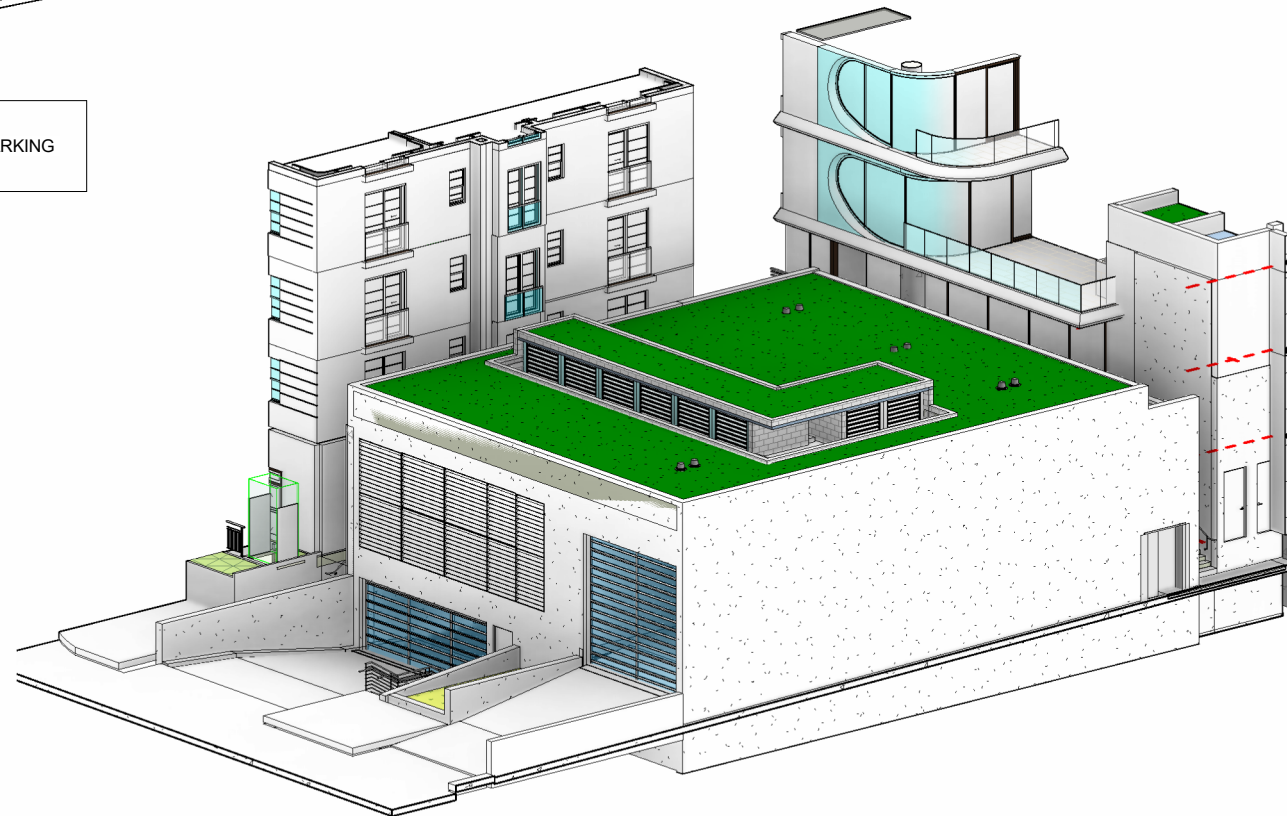


Date: 7/25/2024	Sheet No. A-5.2
Scale: 3/32" = 1'-0"	
Project: 2104	

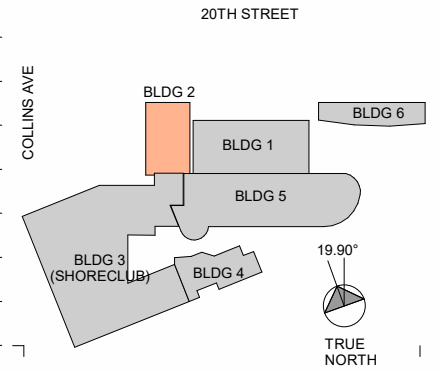


1 HPB 3D Service Building Section

NEW PIT FOR
AUTOMATED PARKING
SYSTEM



2 PB 3D Service Building Volume 2



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PB SERVICE BUILDING 3D ISOMETRICS

Date: 7/25/2024	Sheet No. A-5.3
Scale:	
Project: 2104	

PB FINAL SUBMITTAL 24-0679

The diagram illustrates the vehicle lifting system with the following dimensions and components:

- Dimensions:**
 - Top section width: 80 and 50
 - Top section height: 45
 - Free space height: 80
 - Clear height (DH): 210
 - Delimitation height: 5
 - Height (H): 3
 - Bottom section height: 150
- Components and Labels:**
 - Free space
 - Cutting through 1
 - Clear height (DH)
 - Delimitation 5
 - Height (H) 3
 - Grounding 4
 - Steel pillar base 6
- Vehicle Dimensions:**
 - 520 for vehicle up to 5.00 m = 16'4" long
 - (540 for vehicle up to 5.20 m 17' long)

Diagram illustrating the dimensions and components of a fire protection enclosure for a vehicle:

- Dimensions:**
 - Top horizontal clearance: 80 (left), 50 (center), 45 (right)
 - Left vertical clearance: 50
 - Right vertical clearance: 80
 - Vehicle height: 210
 - Enclosure height: 150
- Labels and Components:**
 - Free space:** Indicated in the top and left corners.
 - Cutting through ①:** Indicated on the left side of the enclosure.
 - Delimitation ⑤:** Indicated on the right side of the enclosure.
 - Grounding ④:** Indicated at the base of the enclosure.
 - Steel pillar base ⑥:** Indicated at the base of the pillar.
 - Height (H) ③:** Indicated on the right side of the enclosure.
- Vehicle Dimensions:**
 - 520 for vehicle up to 5.00 m = 16'4" long
 - (540 for vehicle up to 5.20 m 17" long)

- 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.

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

Suitable for:

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

Type	H	upper	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

width 190 cm

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

[illegible]

Standard station wagon/Van/SUV

Diagram illustrating the dimensions and angles for a standard station wagon/Van/SUV. The vehicle is shown in profile with the following dimensions and angles:

- Overall length: 500 (520)
- Wheelbase: 160
- Front overhang: 105
- Rear overhang: 125
- Front wheel offset: 100
- Front wheel angle: 15°
- Rear wheel angle: 13°
- Front wheel offset (inner): 105
- Rear wheel offset (inner): 95
- Front wheel offset (outer): 160
- Rear wheel offset (outer): 125
- Front wheel offset (inner, top): 105
- Rear wheel offset (inner, top): 95
- Front wheel offset (outer, top): 160
- Rear wheel offset (outer, top): 125

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



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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

Triple arrangement (3 x EB)

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

Carriageway in accordance with local regulations

Single Platform (EB)

Double arrangement (2 x EB)

Triple arrangement (3 x EB)

Carriageway in accordance with local regulations

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

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

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

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

Triple arrangement (3 x EB)

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

Carriageway in accordance with local regulations

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

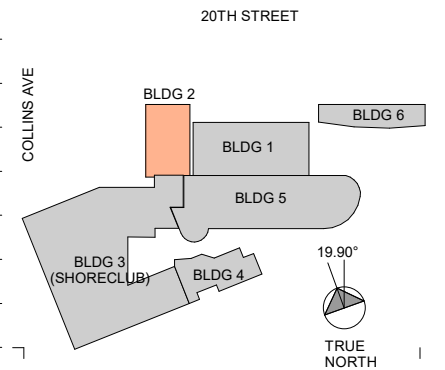
Double arrangement (2 x EB)

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

Carriageway in accordance with local regulations

* = standard width (parking space width 2.30 m)

 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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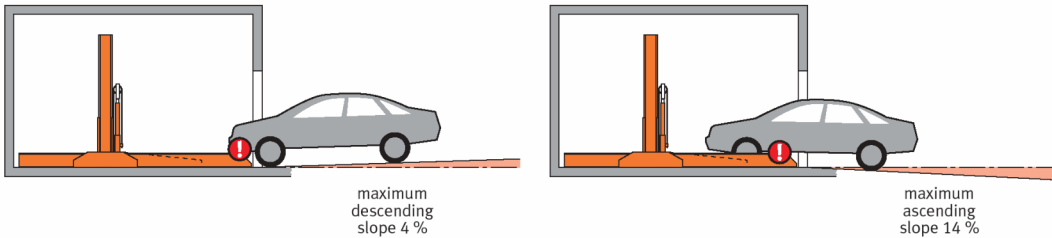
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PARKING SYSTEM SPECIFICATIONS

Date: 7/25/2024	Sheet No. A-6.1
Scale:	
Project: 2104	

Approach

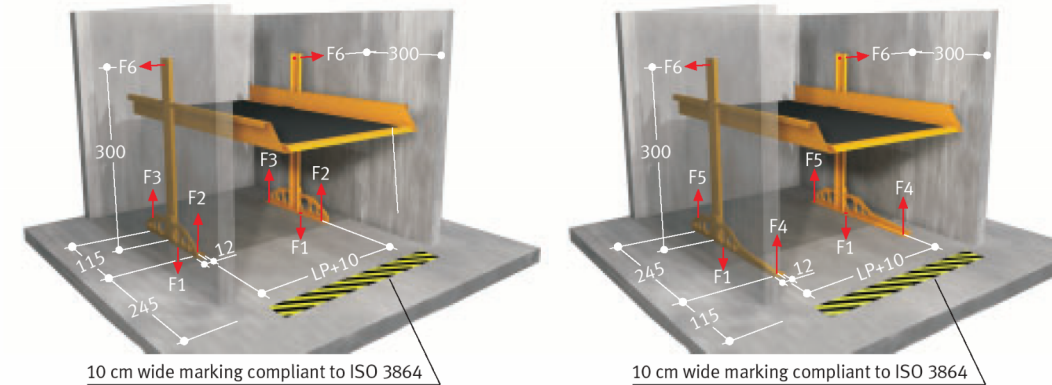


! The illustrated maximum approach angles must not be exceeded. Incorrect approach angles will cause serious manoeuvring & positioning problems on the parking system for which the local agency of Klaus accepts no responsibility.

Load plan

Option 1: short steel pillar base

Option 2: long steel pillar base



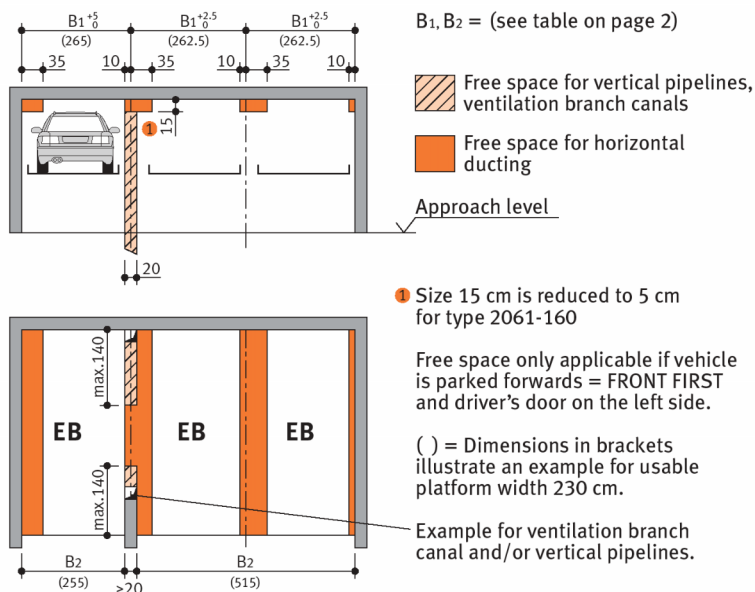
platform load	F1	F2	F3	F4	F5	F6
2,000 kg	30	1.1	7.4	0.5	7.7	±1
2,500 kg	35	1.3	8.9	0.6	9.3	±1

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)



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

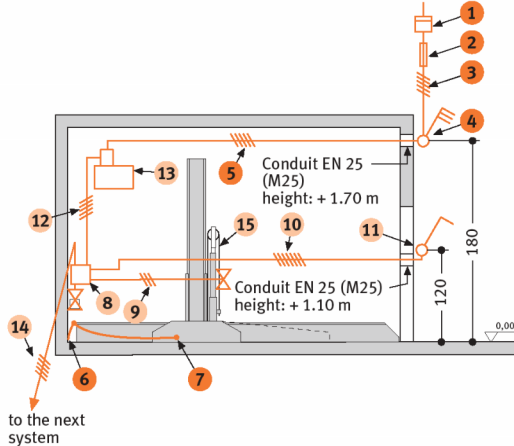
Free space only applicable if vehicle is parked forwards = FRONT FIRST and driver's door on the left side.

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

Example for ventilation branch canal and/or vertical pipelines.

Electrical installation

Installation diagram



Electrical data (to be performed by the customer)

No.	Quantity	Description	Position	Frequency
1	1	Electricity meter	in the supply line	
2	1	Main fuse: 3 x fuse 16 A (slow) or circuit breaker 3 x 16 A (trigger characteristic K or C)	in the supply line	1 per unit
3	1	Supply line 5 x 2.5 mm² (3 PH + N + PE) with marked wire and protective conductor	to main switch	1 per unit
4	1	Lockable main switch	defined at the plan evaluation	1 per unit
5	1	Supply line 5 x 2.5 mm² (3 PH + N + PE) with marked wire and protective conductor	from main switch to unit	1 per unit
6	every 10 m	Foundation earth connector	corner pit floor	
7	1	Equipotential bonding in accordance with DIN EN 60204 from foundation earth connector to the system		1 per system

Electrical data (included in delivery of Klaus Multiparking)

No.	Description
8	Terminal box
9	Control line 3 x 0.75 mm² (PH + N + PE)
10	Control line 7 x 1.5 mm² with marked wire and protective conductor
11	Operating device
12	Control line 5 x 1.5 mm² with marked wire and protective conductor
13	Hydraulic unit 3.0 kW, three-phase current, 400 V / 50 Hz
14	Control line 5 x 1.5 mm² with marked wire and protective conductor
15	Chain control

Technical data

Range of application

Generally, this parking system is not suited for short-time parkers (temporary parkers). Please do not hesitate to contact your local KLAUS agency for further assistance.

Units

Low-noise power units mounted to rubber-bonded-to metal mountings are installed. Nevertheless we recommend that parking system's garage be built separately from the dwelling.

Available documents

- wall recess plans
- maintenance offer/contract
- declaration of conformity
- test sheet on airborne and slid-borne sound

Corrosion protection

See separate sheet regarding corrosion protection.

Railings

If there are traffic routes next to or behind the installations, railings compliant to DIN EN ISO 13857 must be installed by the customer. Railings must also be in place during construction.

Environmental conditions

Environmental conditions for the area of multiparking systems: Temperature range -10 to +40° C. Relative humidity 50% at a maximum outside temperature of +40° C. If lifting or lowering times are specified, they refer to an environmental temperature of +10° C and with the system set up directly next to the hydraulic unit. At lower temperatures or with longer hydraulic lines, these times increase.

Sound insulation

According to DIN 4109 (Sound insulation in buildings), para. 4, annotation 4, Klaus Multiparkings are part of the building services (garage systems).

Normal sound insulation:

DIN 4109, para. 4, Sound insulation against noises from building services.

Table 4 in para. 4.1 contains the permissible sound level values emitted from building services for personal living and working areas. According to line 2 the maximum sound level in personal living and working areas must not exceed 30 dB (A).

Noises created by users are not subject to the requirements (see table 4, DIN 4109).

The following measures are to be taken to comply with this value:

- Sound protection package according to offer/order (Klaus Multiparking GmbH)
- Minimum sound insulation of building $R'_w = 57$ dB (to be provided by customer)

Increased sound insulation (special agreement):

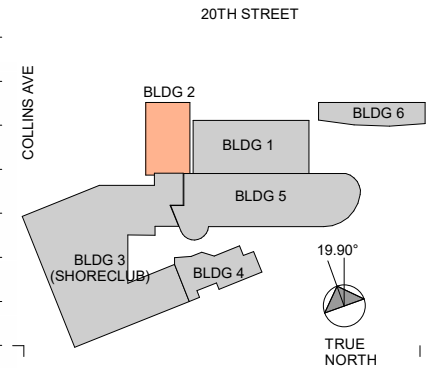
DIN 4109, Amendment 2, Information on planning and execution, proposals for increased sound insulation.

Agreement: Maximum sound level in personal living and working areas 25 dB (A). Noises created by users are not subject to the requirements (see table 4, DIN 4109).

The following measures are to be taken to comply with this value:

- Sound protection package according to offer/order (Klaus Multiparking GmbH)
- Minimum sound insulation of building $R'_w = 62$ dB (to be provided by customer)

Note: User noises are noises created by individual users in our Multiparking systems. These can be noises from accessing the platforms, slamming of vehicle doors, motor and brake noises.



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PARKING SYSTEM SPECIFICATIONS

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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).

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 $\pm 1\%$).

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!

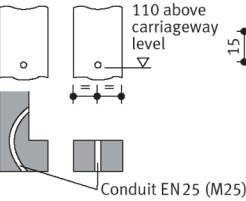
We reserve the right to change this specification without further notice

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.

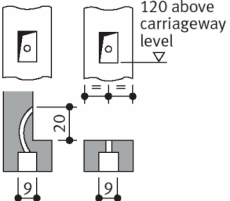
Operating device

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

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:

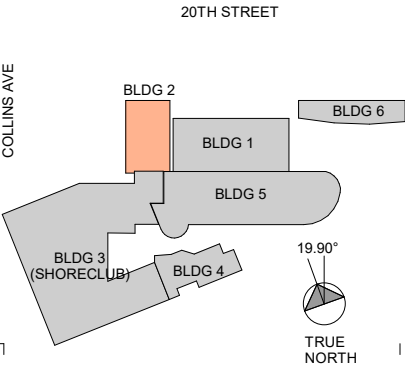
- Hydraulic cylinder
- Solenoid valve
- Safety valve
- Hydraulic conduits
- Screwed joints
- High-pressure hoses
- Installation material

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)



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2104

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