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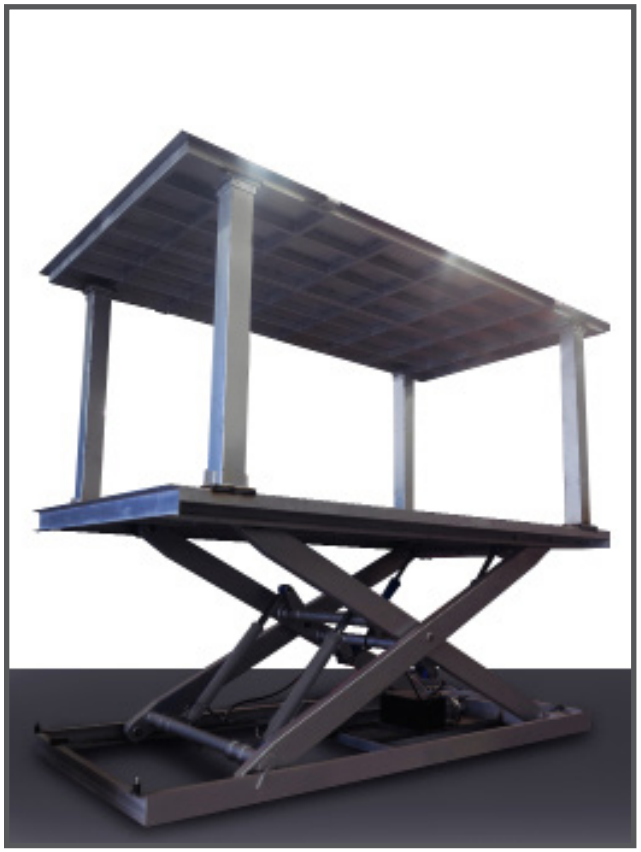
SUBTERRA

DOUBLE-DECK VEHICLE LIFT

SUBTERRA



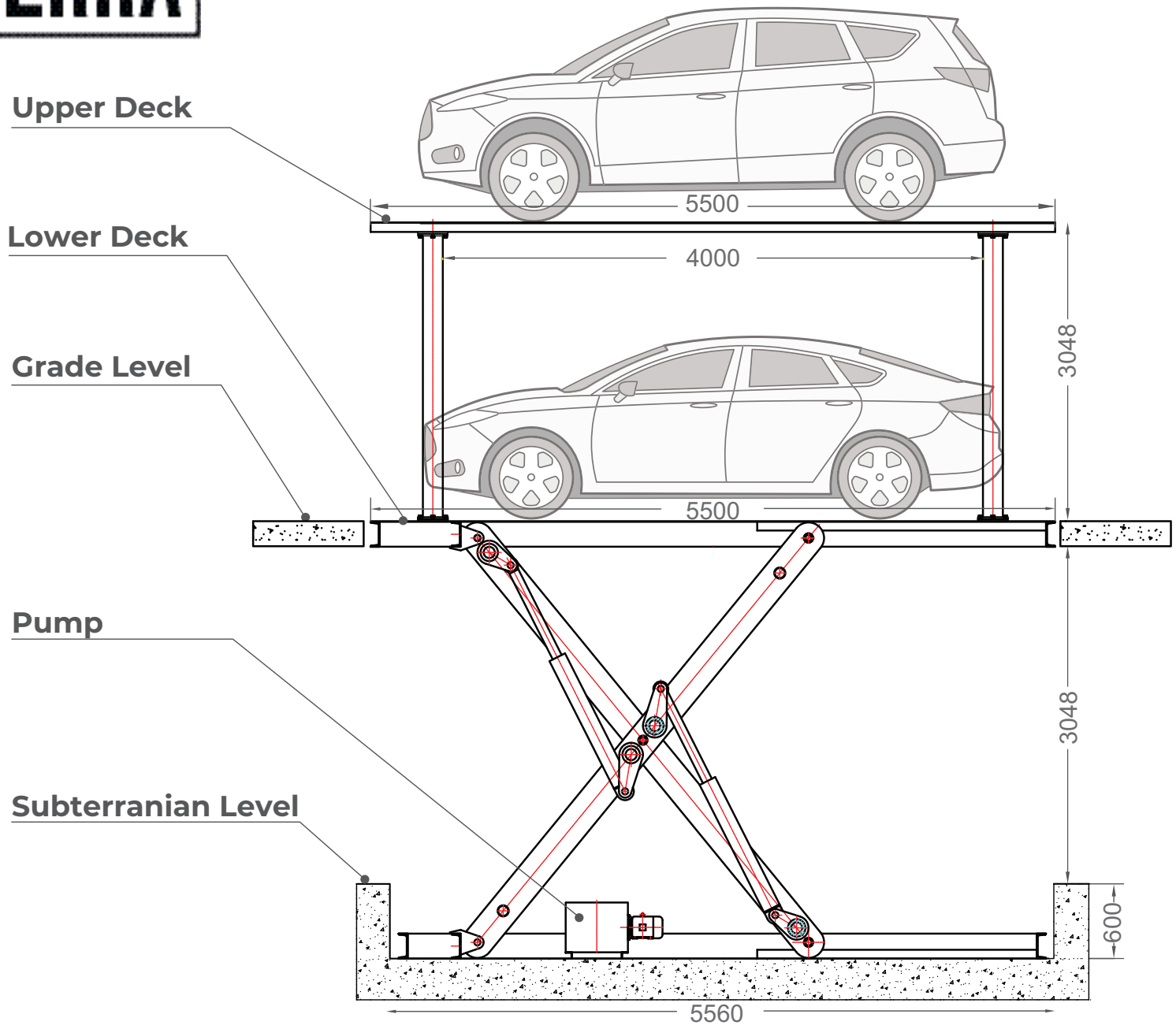
The Subterra double-deck lift is a scissor-style hydraulic lift system designed to move your vehicles safely from street level to a subterranian parking area below grade. Made to accomodate private residences or commercial applications where space is at a premium or where garage ceiling height is too low to store two vehicles above ground, our Subterra Lift is an affordable and efficient solution to parking woes.

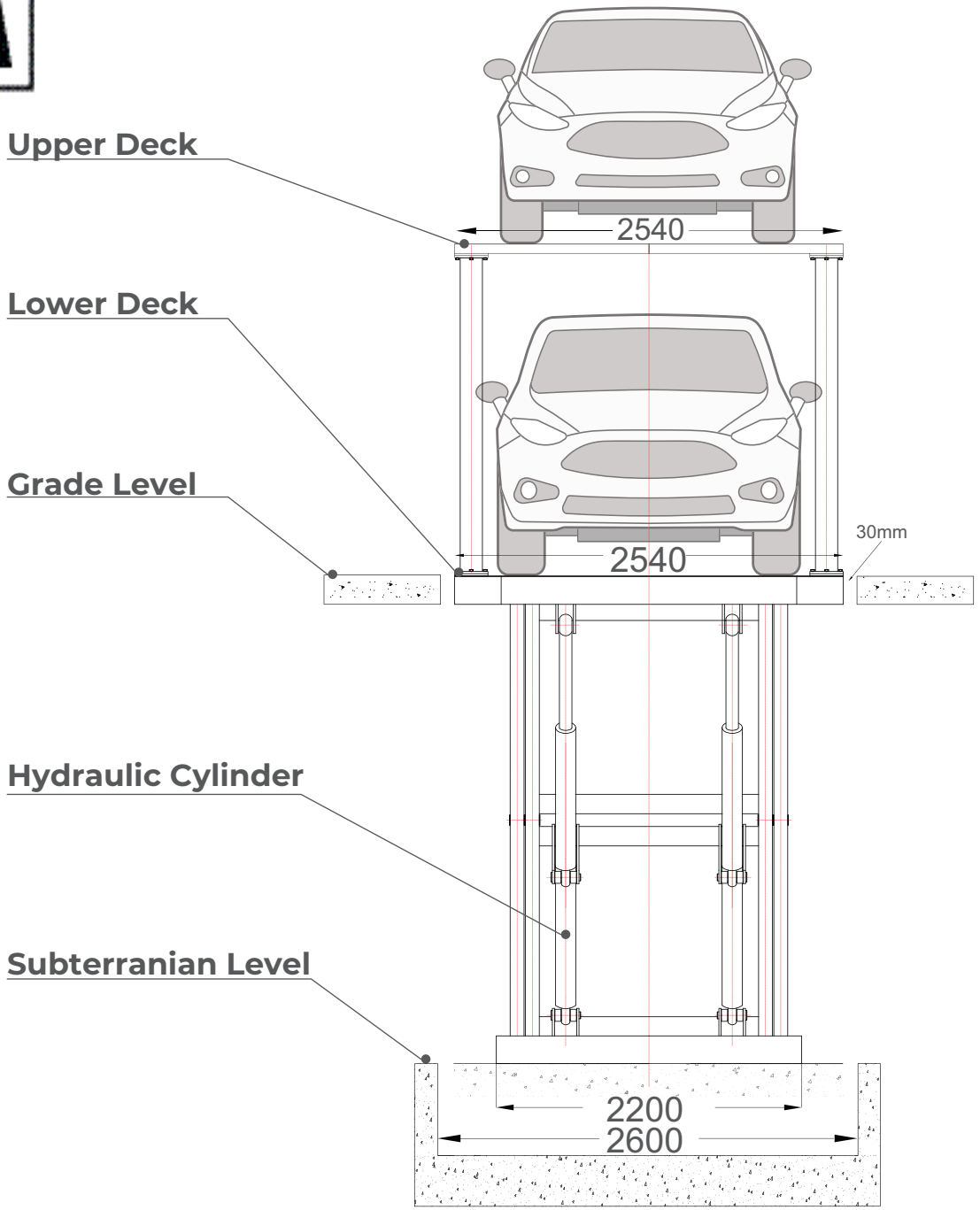
With it's powerful and reliable scissor-lift design, the **Subterra** double-deck lift features a quality-built top platform that serves to fill the opening at grade level when the lower platform is descended into the sub-base area - creating a permantent parking space at grade-level while the lowered vehicle is completely concealed below ground. Available in two models; with or without an optional telescopic column, the **Subterra** telescopic model is useful for when the travel area to sub-grade is larger than the travel-area above grade.

Featuring quality-built remote controls for easy operation, our **Subterra** Lifts can be outfitted with an array of optional features including LED lights, emergency stop touch-strips and more.

***Subterra** Lifts are not intended for transporting people or vehicles with passengers aboard.

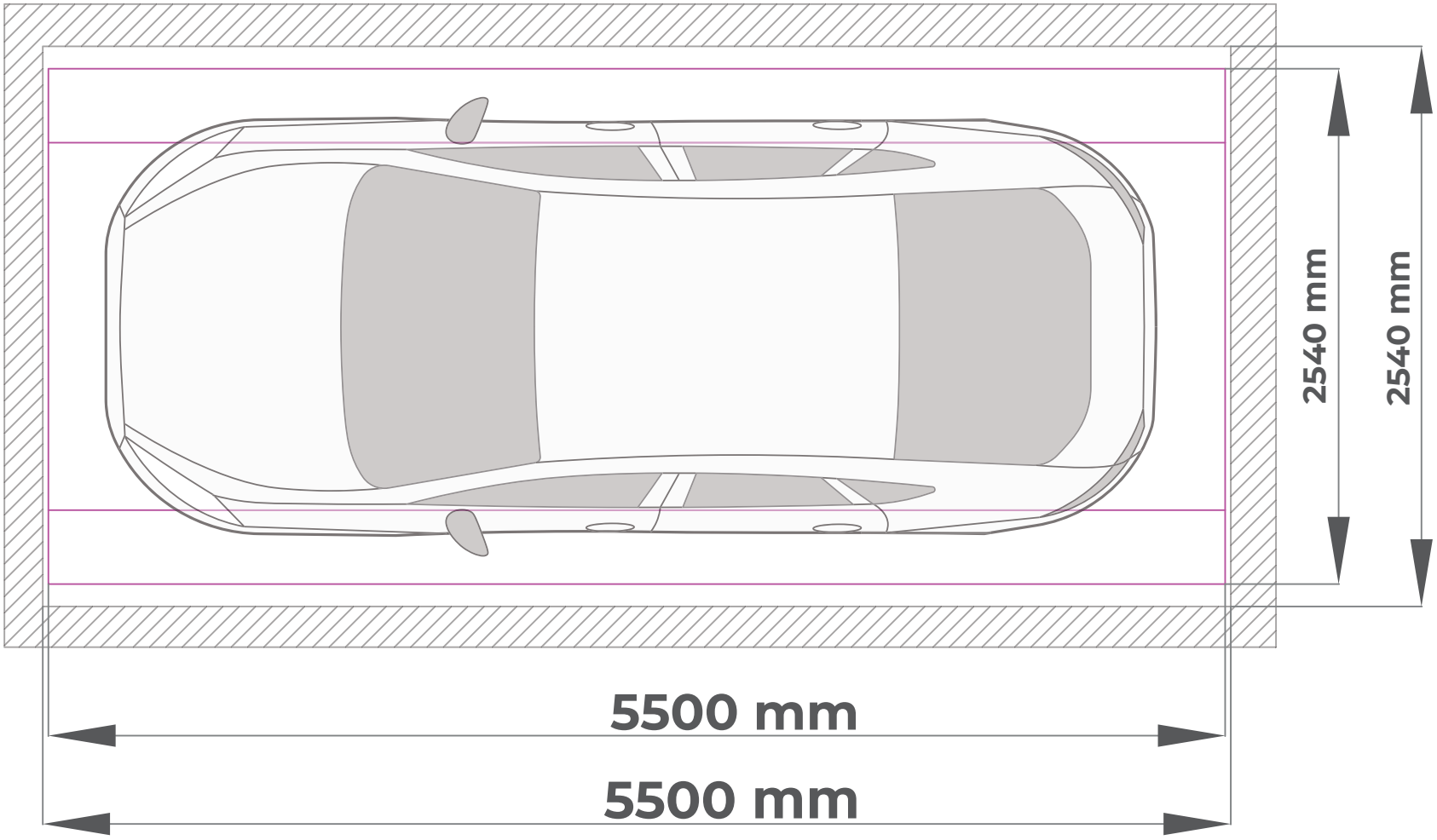
SUBTERRA


Upper Deck
Lower Deck
Grade Level
Pump
Subterranian Level
5500
4000
3048
5500
3048
600
5560


Upper Deck
Lower Deck
Grade Level
Hydraulic Cylinder
Subterranian Level
2540
2540
30mm
2200
2600

SUBTERRA

Fixed Canopy Lift



SUBTERRA FIXED CANOPY LIFT

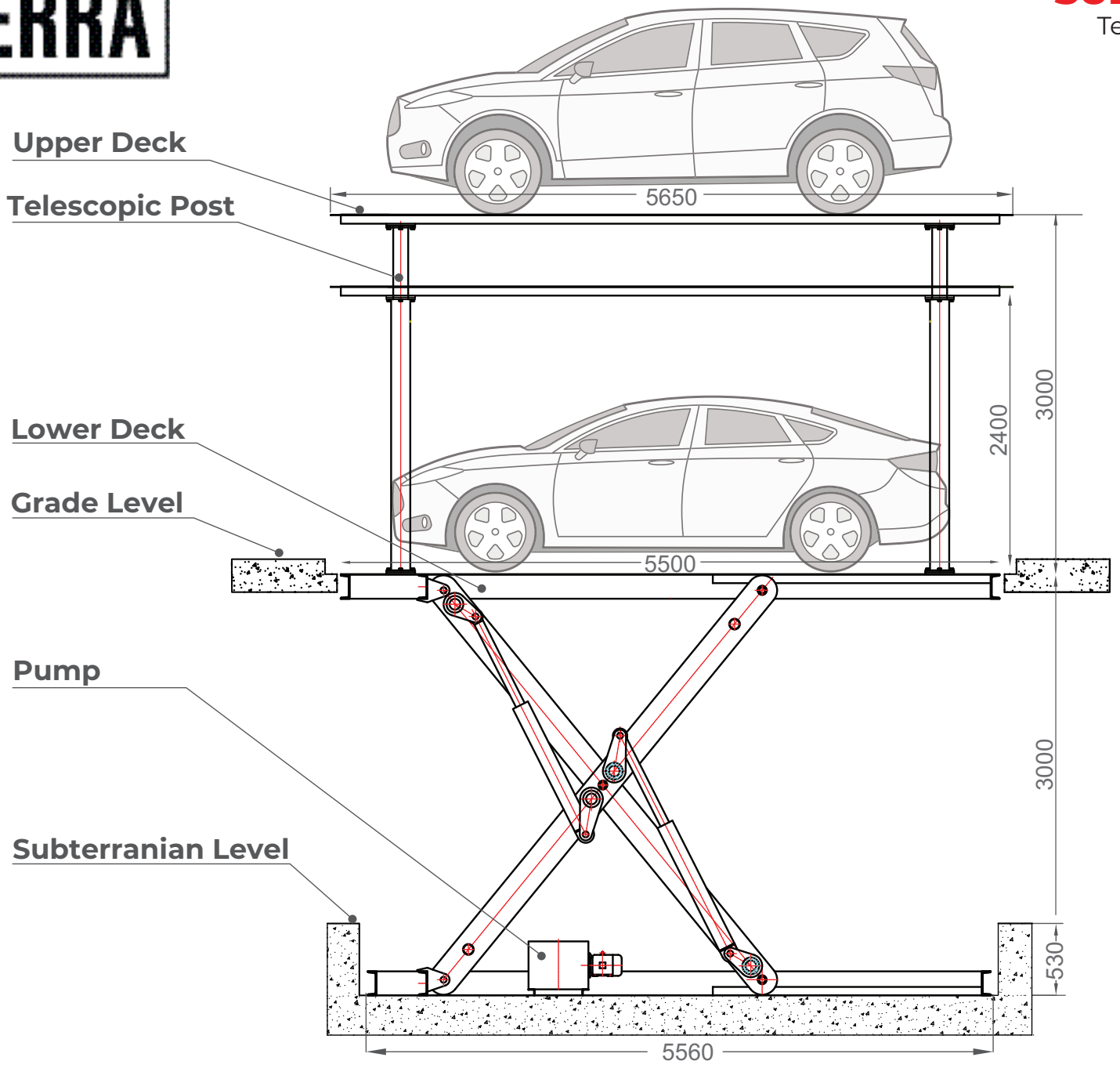
SPECIFICATIONS:

Name:	Subterra DDCP (Double-Deck Car Platform)
Model:	Double-Deck Car Platform
Dynamic Loading Capacity:	4000 kg
Travel Height:	3048 mm (120 in)
When Raised:	3048 mm between decks (120 in)
Closed Height:	600 mm (23.62 in)
Platform Size (Upper):	5500 mm x 2500 mm (216.53 in x 98.42 in)
Platform Size: (Lower):	5500 mm x 2500 mm (216.53 in x 98.42 in)
Speed:	80 mm - 100 mm/s (3.15 in - 3.9 in)
Overload:	Protection over current relay
Control Voltage:	24 V/DC
Power Output:	5.5 kW
Power Input:	220 V / 60 HZ / 1-Phase
Drive System:	Hydraulic
Control Mode:	Button / Remote Controls

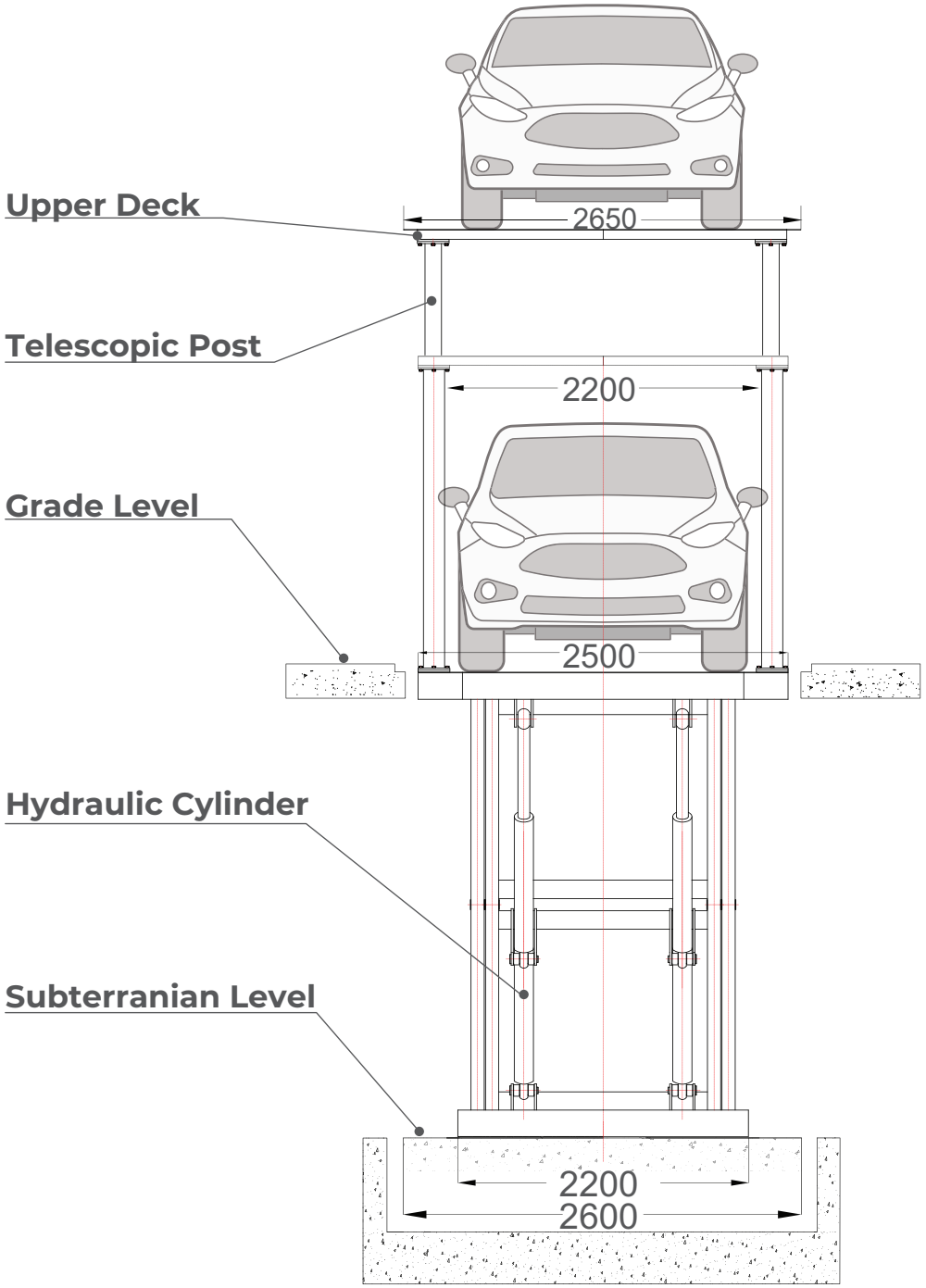
MATERIALS:

Platform:	Non-Skid Diamond Steel Platform
Support Arms:	100mm x 250mm x 8mm Steel Tube (3.93 in x 9.84 in x 0.31 in Steel Tube)
Hydraulic Cylinder:	110mm x 4pcs. (4.33 in x 4pcs.)
Hydraulic Motor:	Sino-Italy
Bearing:	Oil-Free Bearing
Control Parts:	Schneider / Delixi
Installation:	Pit Installation
Safety Devices:	High Pressure Hydraulic Oil Pipe with Double Steel Net Explosion-Proof Valve for Cylinder Manual Lowering Valve

SUBTERRA

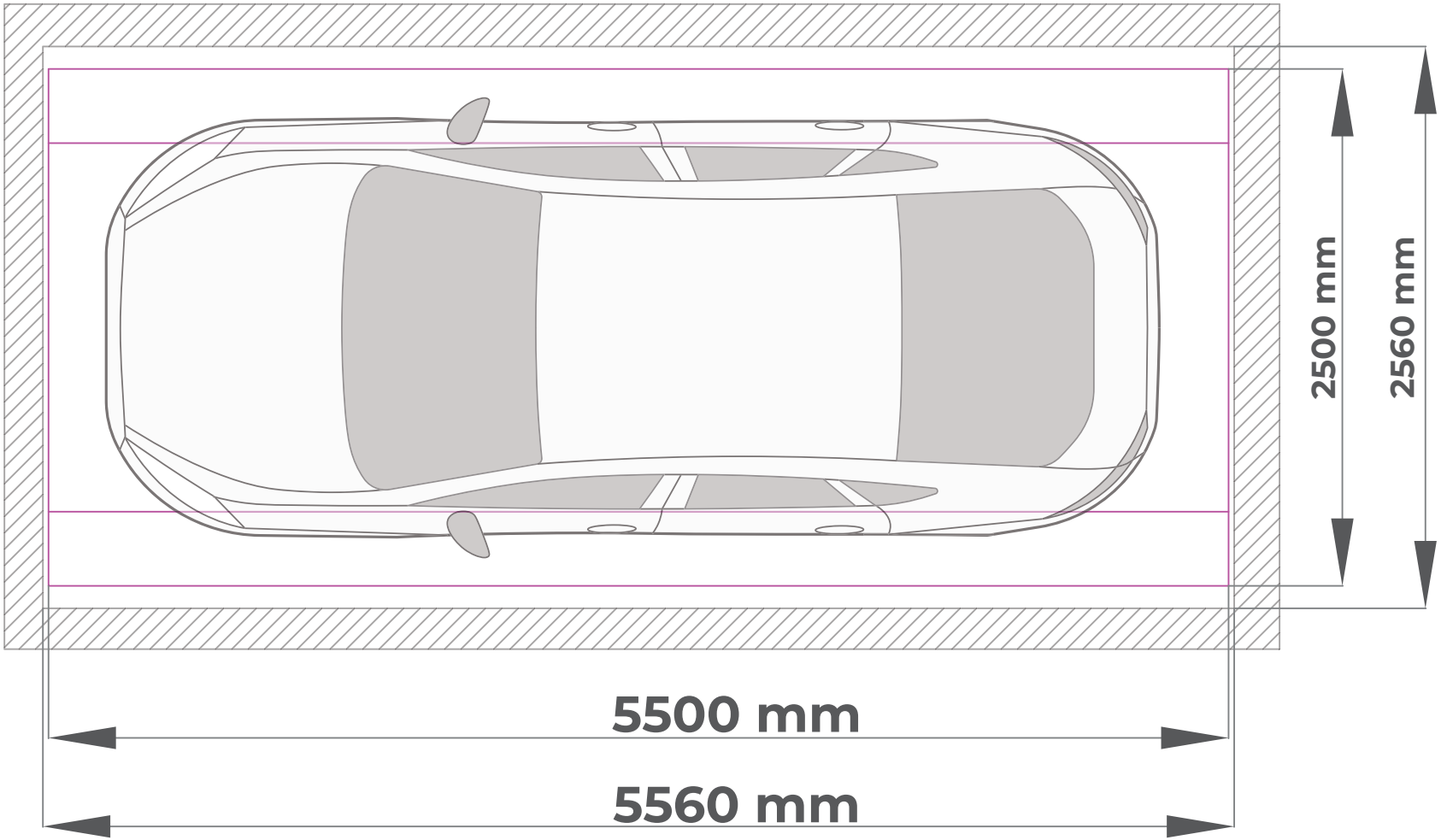

Upper Deck
Telescopic Post
Lower Deck
Grade Level
Pump
Subterranian Level
5650
5500
5560
3000
2400
3000
530

SUBTERRA


Upper Deck
Telescopic Post
Grade Level
Hydraulic Cylinder
Subterranian Level
2650
2200
2500
2200
2600

SUBTERRA

Telescoping Canopy Lift



SUBTERRA TELESCOPING LIFT

SPECIFICATIONS:

Name:	Subterra DDCP (Double-Deck Car Platform)
Model:	Double-Deck Car Platform
Dynamic Loading Capacity:	4000 kg
Travel Height:	3048 mm (120 in)
When Raised:	2438.4 mm between decks (96 in)
Closed Height:	600 mm (23.62 in)
Platform Size (Upper):	5650 mm x 2650 mm (222.44 in x 104.33 in)
Platform Size: (Lower):	5500 mm x 2500 mm (216.53 in x 98.4252 in)
Speed:	80 mm - 100 mm/s (3.15 in x 3.93 in)
Overload:	Protection over current relay
Control Voltage:	24 V/DC
Power Output:	5.5 kW
Power Input:	220 V / 60 HZ / 1-Phase
Drive System:	Hydraulic
Control Mode:	Button / Remote Controls

MATERIALS:

Platform:	Non-Skid Diamond Steel Platform
Support Arms:	100mm x 250mm x 8mm Steel Tube (3.93 in x 9.84 in x 0.31 in Steel Tube)
Hydraulic Cylinder:	110mm x 4pcs. (4.33 in x 4pcs.)
Hydraulic Motor:	Sino-Italy
Bearing:	Oil-Free Bearing
Control Parts:	Schneider / Delixi
Installation:	Pit Installation
Safety Devices:	High Pressure Hydraulic Oil Pipe with Double Steel Net Explosion-Proof Valve for Cylinder Manual Lowering Valve

SUBTERRA Options:

Guarding The Lift Operating Zone

Personnel safety during lift operation is of utmost importance, and some safety features are sold as standard with every lift. Additional, optional, guards, safeties, and restraints are available to prevent inadvertent contact with a moving lift – on both the operating level, and the level that is outside the operator's direct line of sight.

Security Cameras

(Security cameras are mounted in the lift operating zone at the level not occupied by the operator. These cameras allow the operator to view the portion of the lift zone that is outside his direct line of sight by watching the monitor mounted adjacent to the pushbutton station

Audible Alarm

An adjustable audible alarm that sounds off any time the lift is moving, or is left in any position other than the fully raised or fully lowered position, to warn people in the area of lift movement.

Emergency Stop Button

E-Stop stations are mounted in the lift operating zone at the level not occupied by the operator. Pressing this large, red "panic" button removes all power to the lift controls and renders the lift inoperable until the button is manually reset.

Interlocks

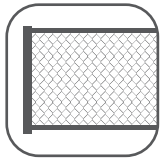
Door interlocks are also recommended for all doors leading into the lift operating zone to temporarily and automatically place the door into "lock" condition whenever the lift carriage is moving. Interlocks also come in different designs, including some that are available as a combination status switch and interlock.

Motion Sensors

These sensors are mounted in the lift operating zone at the level not occupied by the operator. Any motion that is detected while the lift is moving automatically disables the operator push-button station and stops the lift.

Doors

It is common for doors, usually fire-rated doors provided by the general contractor, to enter the lift operating zone at both the operating level to and the non-operating level to prevent incidental contact with the lift. It is recommended that the status of these doors be monitored, and interlocked to prevent entry ingress/egress while the lift is moving.



Enclosures

In addition to conventional walls which can be constructed around the lift operating zone to prevent access to the lift, the manufacturer can supply commercial/industrial (typically expanded metal) enclosures as personnel barriers.

Status switches

Door status switches are recommended for all doors leading into the lift operating zone to prevent operation of the lift if a door is in the "open" status. These switches come in a variety of designs, depending on the style door that they are mounted to.

Photo Eye Sensors

Photo eye sensors can be placed at strategic points around the unprotected/unguarded edges of the lift carriage to detect any interference with people or objects that break the photo eye path. If this path is broken, the lift will immediately be rendered inoperable until the interference is removed.