

renault signage

Renault Pro+

technical requirements

edition v0e - september 2023

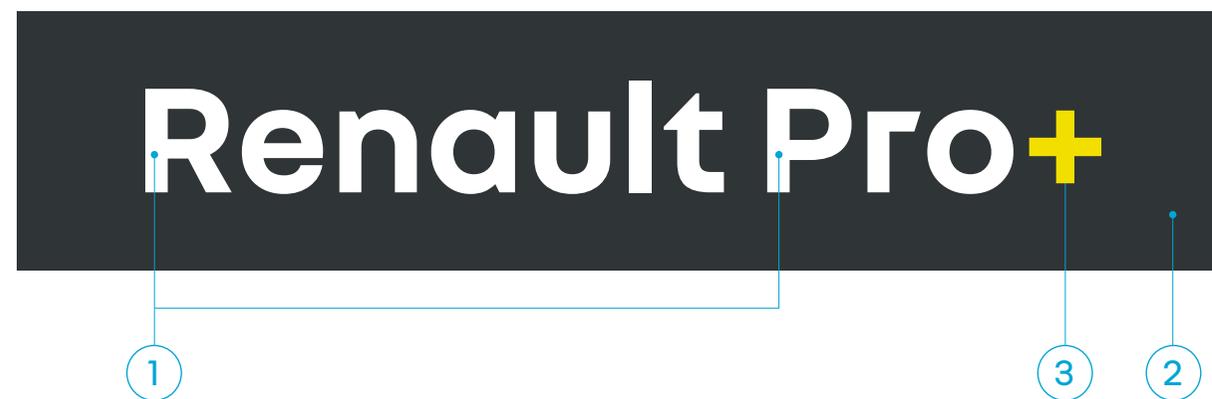
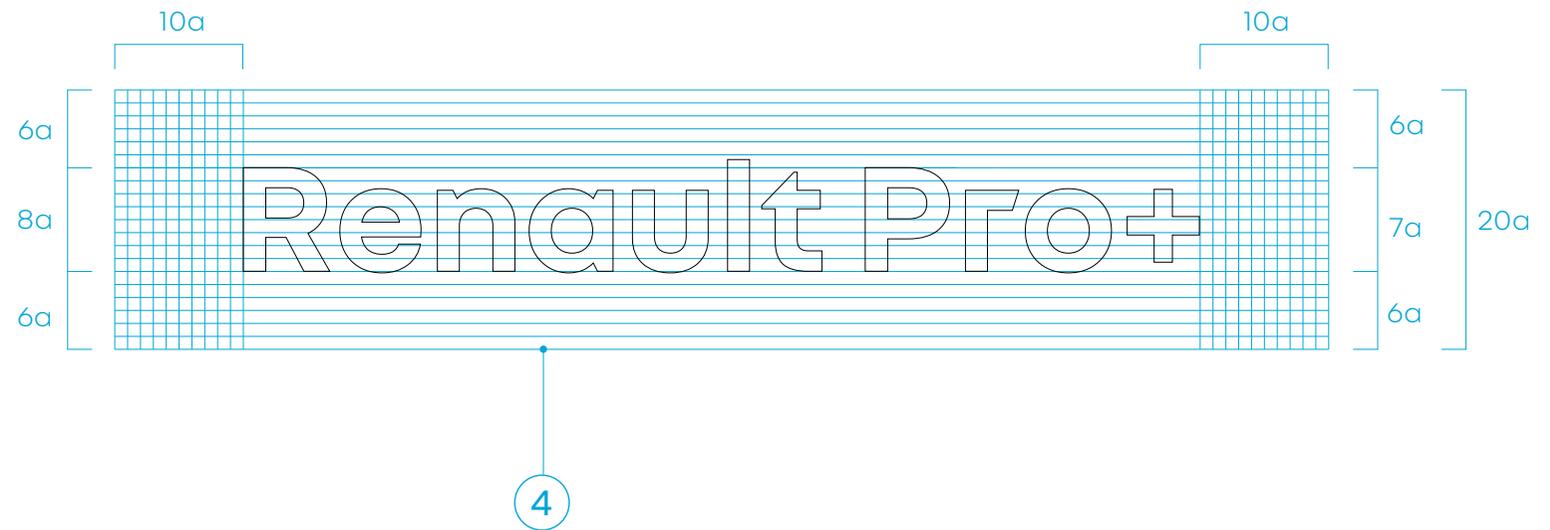
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1

graphic components

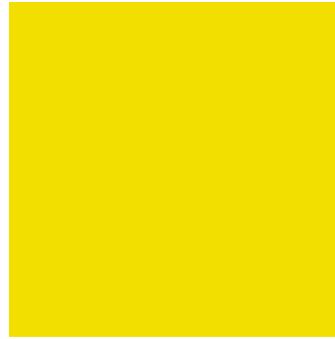
1.1 signature on one line



key

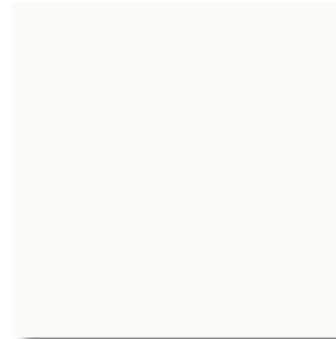
- 1 nouvel'R bold typeface in white,
- 2 RAL 7021 dark grey with satin finish,
- 3 "+" in yellow, nouvel'R bold typeface,
- 4 neutrality zone

1.2 colours & materials



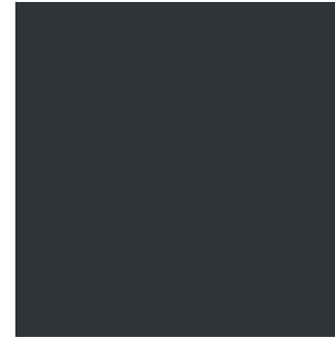
yellow pantone 3955 c

- pre-lacquered aluminium sheeting, 15/10 mm thick satin finish with 40% gloss
- matt adhesive film
- printing on polyester fabric 130 g/m²



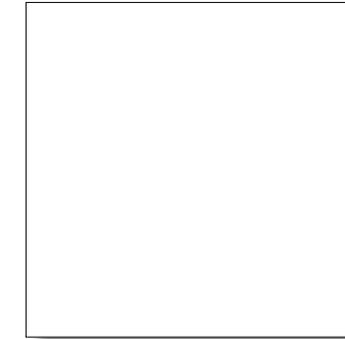
RAL 9010 satin white

- pre-lacquered aluminium sheeting, 15/10 mm thick satin finish with 40% gloss



dark grey equivalent to RAL 7021

- pre-lacquered aluminium sheeting, 15/10 mm thick satin finish with 40% gloss
- printing on polyester fabric 130 g/m²



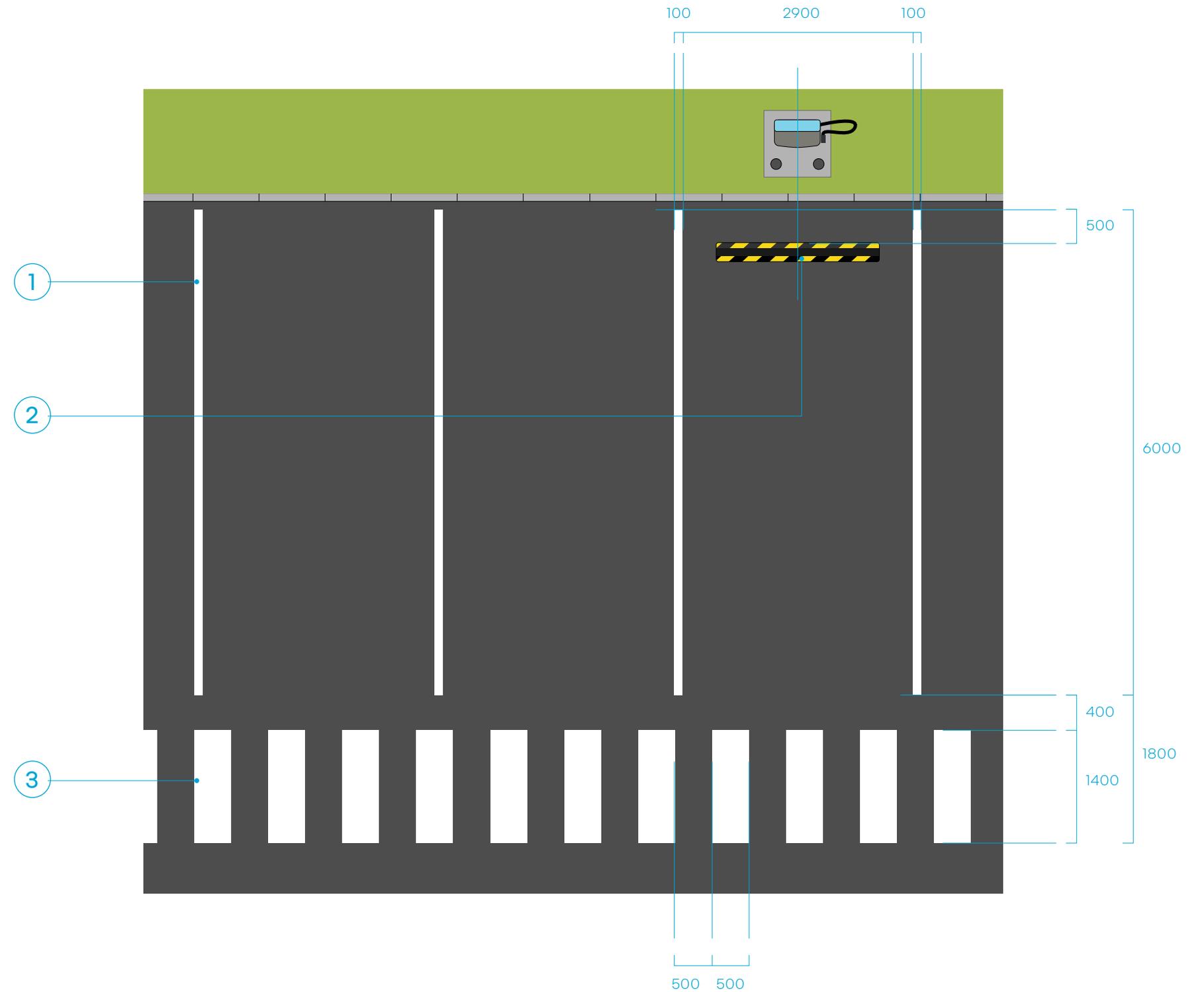
pure white

- light diffusing pmma with 40% transmittance, th. 3 mm altuglass ref. 100-27000
- matt adhesive film
- polyester fabric 130 g/m²

2

exterior components

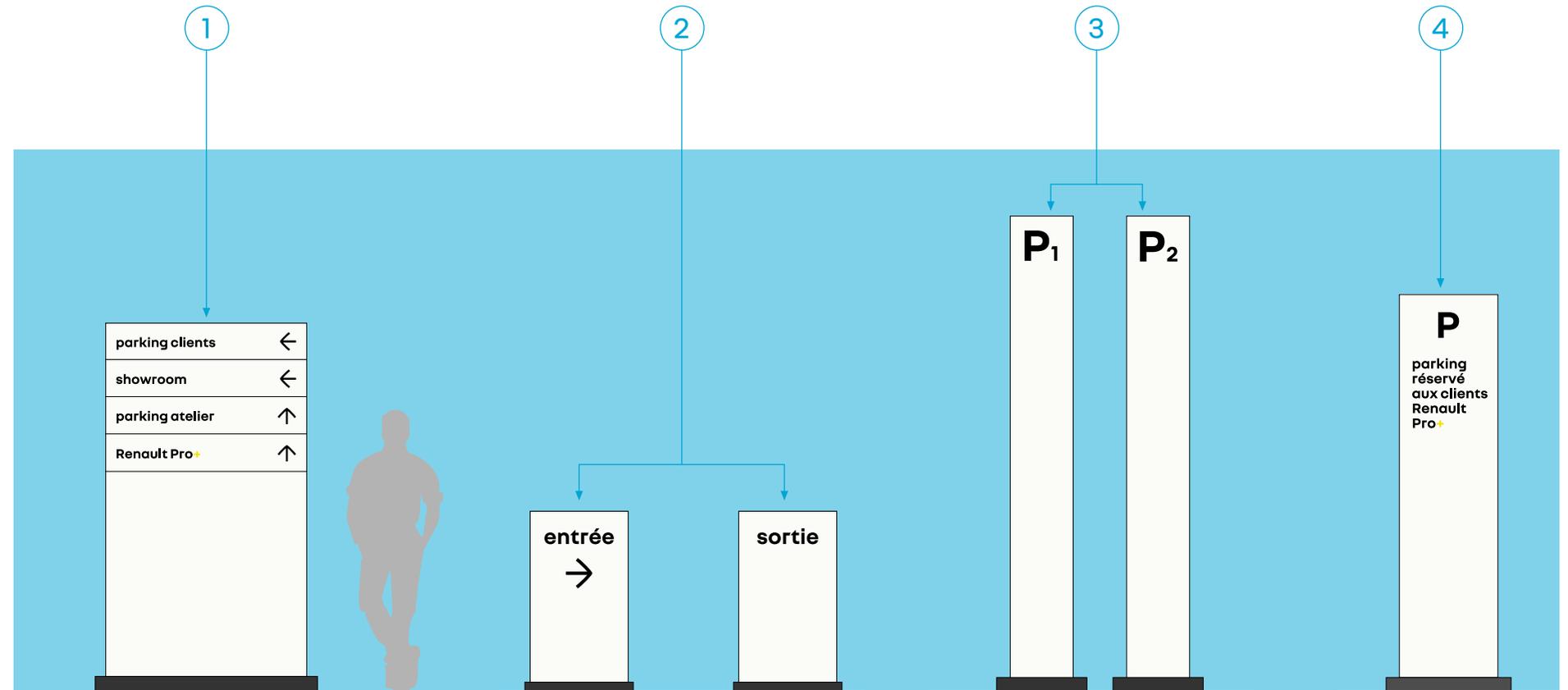
2.1 customer parking slots sized for U.V



key

- 1 matt white RAL 9003 strip made of two-component epoxy painting
- 2 anti-UV treated rubber stops fixed to the ground to protect the charging station. Dimensions: 1830 x 150 x 100 mm
- 3 RAL 9003 matt white pedestrians pathway made with two-component epoxy painting

2.2 directional signage



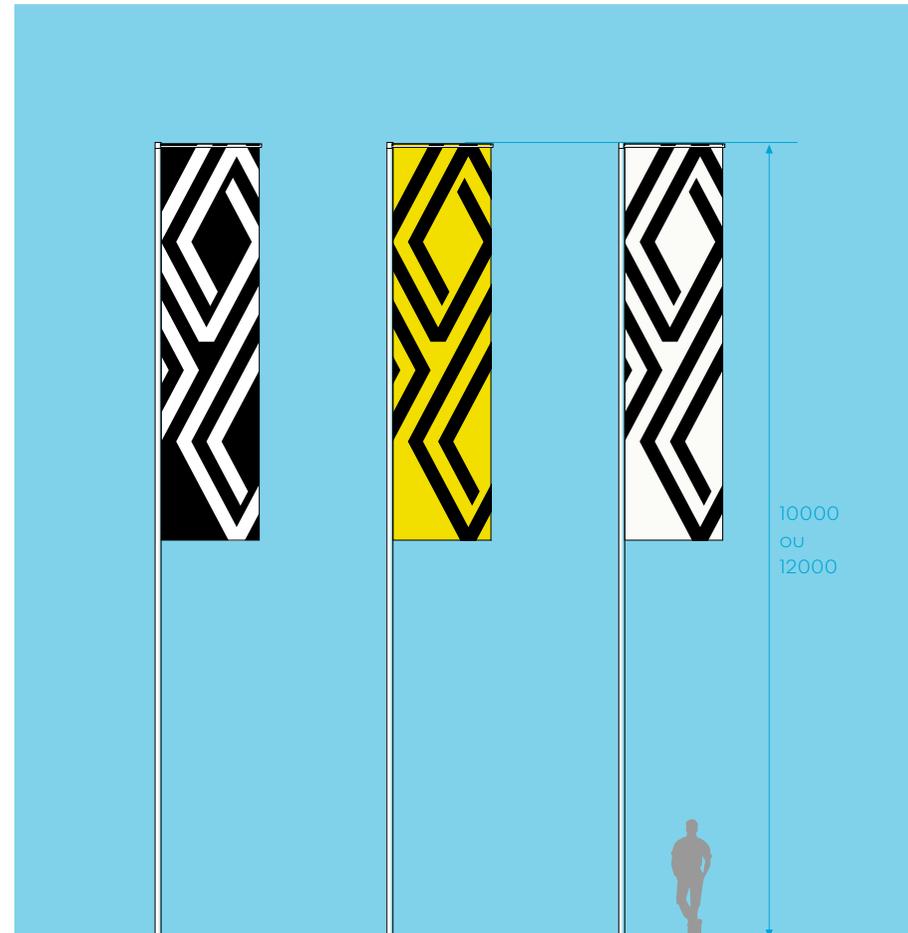
key

- 1 directional sign
- 2 entrance/exit panels
- 3 parking identification sign
- 4 Renault Pro+ car park sign

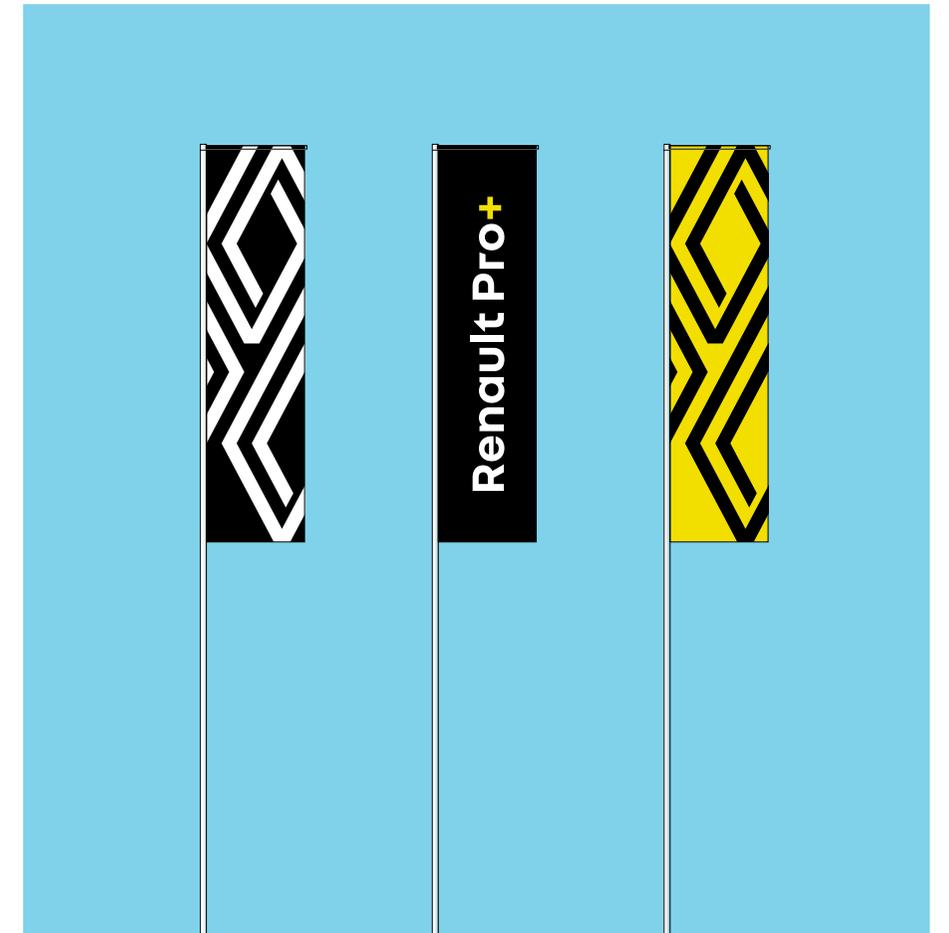
note:

For any technical information relating to Renault components, refer to the Specifications for each component.

2.3.1 flags • implementation



1

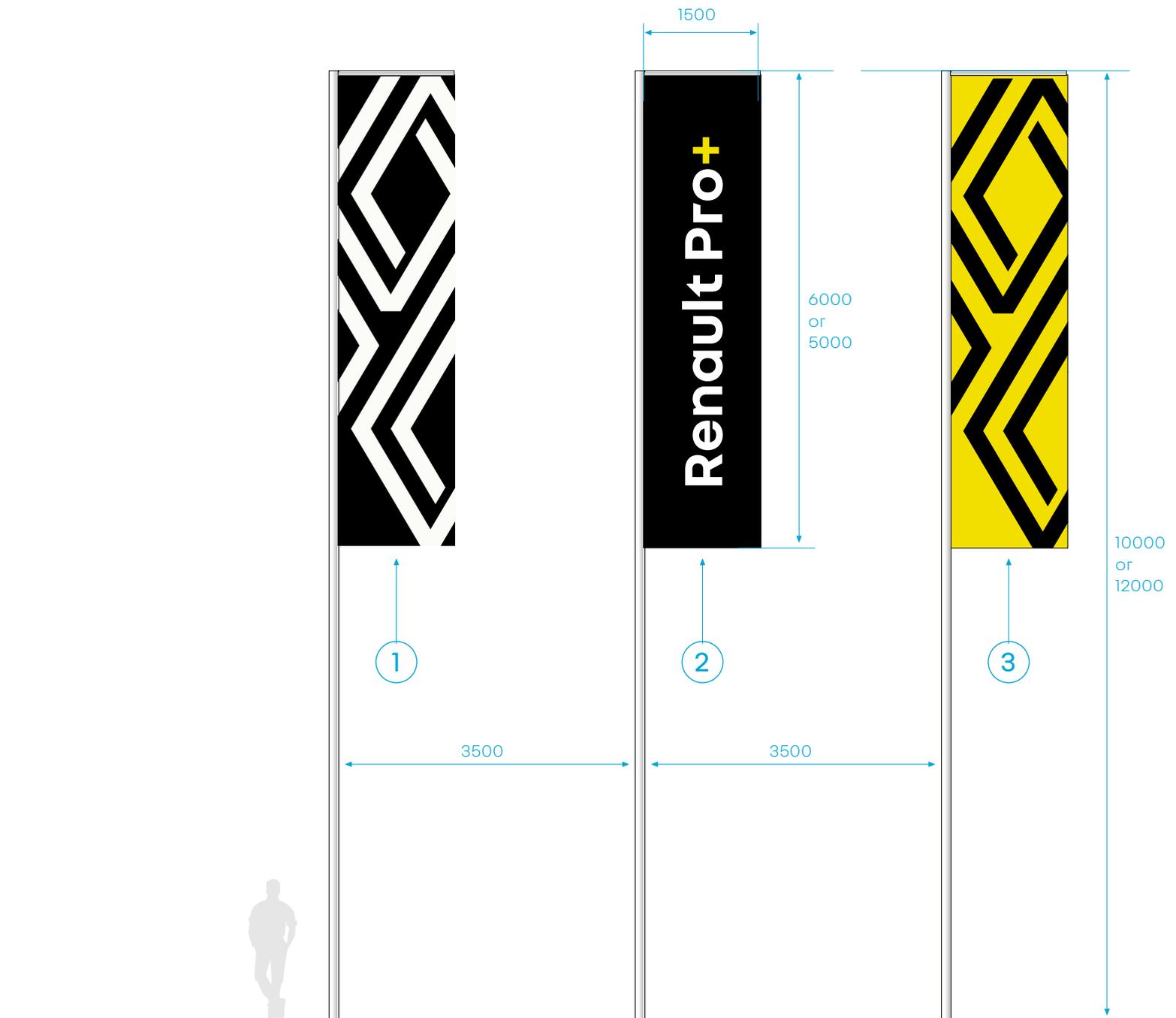


2

key

- 1 Renault flags are used in Renault Pro+ corners and integrated sites in the same manner as those used for Renault Stores sites
- 2 Renault Pro+ stand-alone sites are identified by a Renault Pro+ flag inscribed in the center of the Renault flags in the order shown opposite.

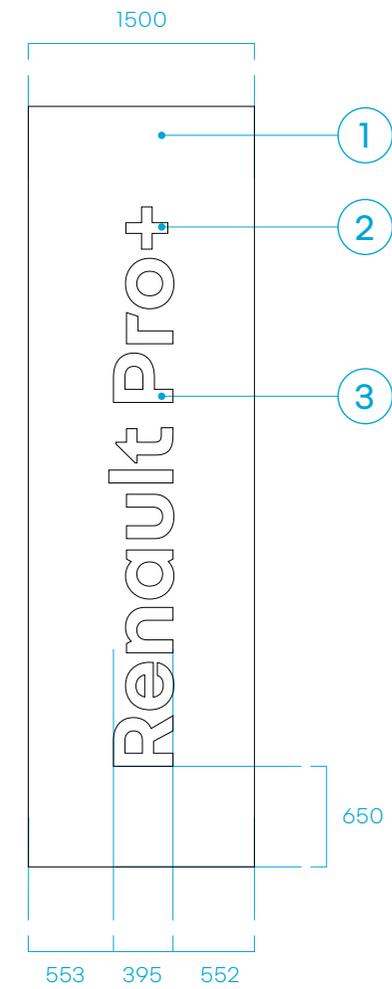
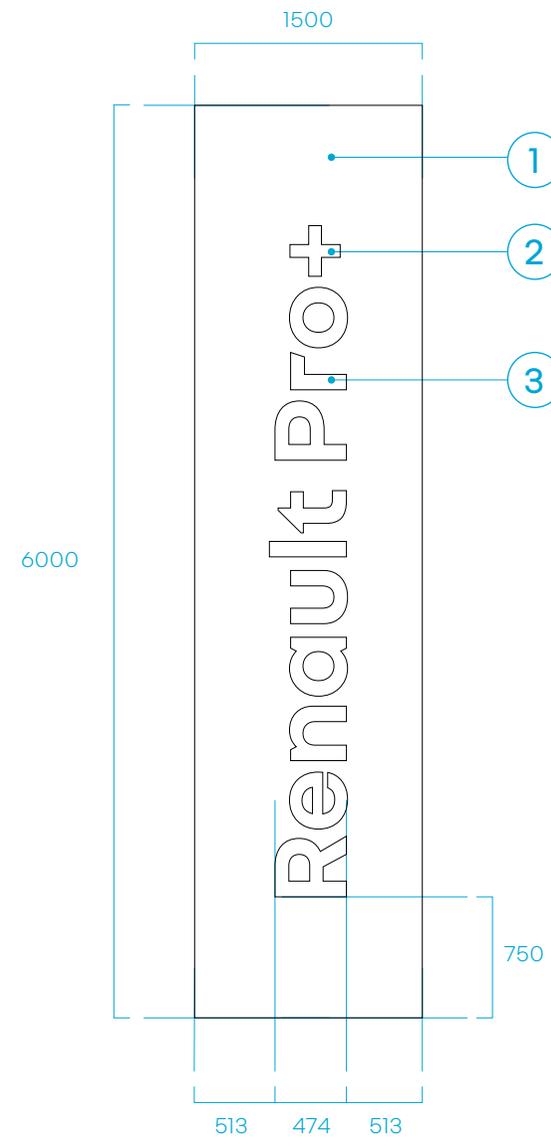
2.3.2 flags - description



key

- 1 Renault flag with black background
- 2 Renault Pro+ flag
- 3 flag with yellow background

2.3.3 flags - outlines



key

- 1 black background RAL 9005 printed
- 2 yellow Pantone 3955 C printed
- 3 white polyester

2.4 totems and flag insignias

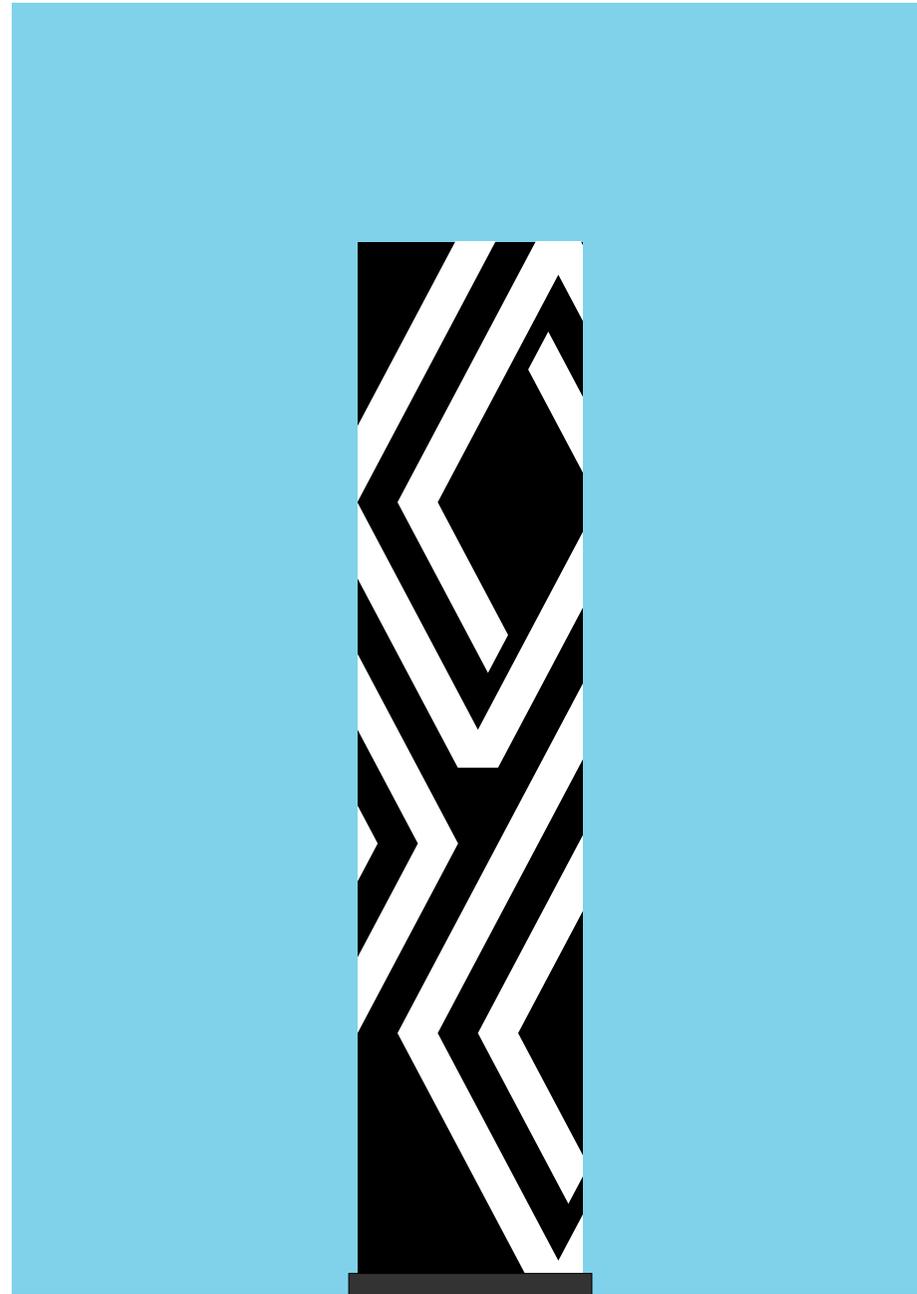
description

Renault Pro+ sites are identified by a totem or, failing that, by a flag insignia.

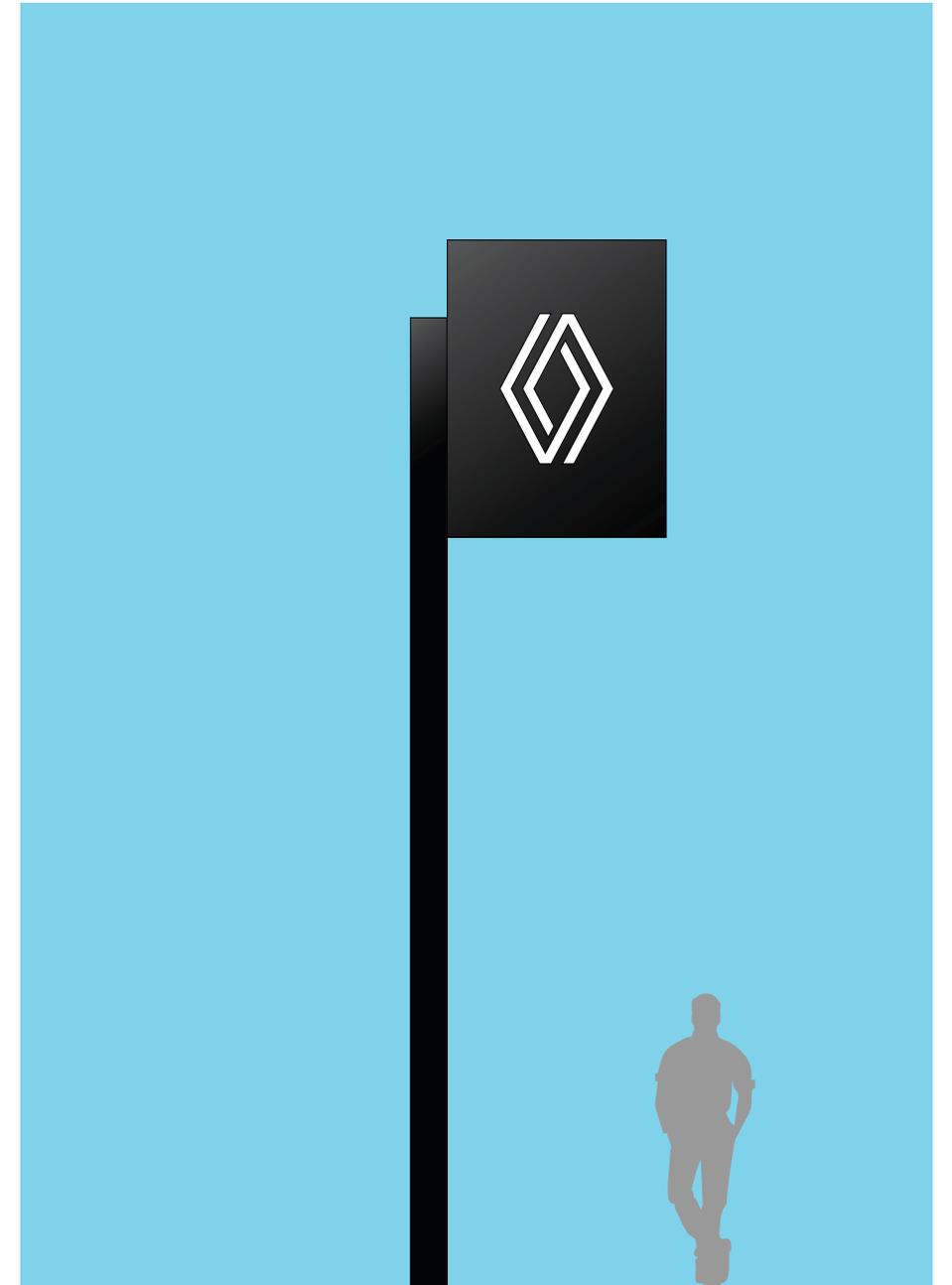
These elements contribute to the notoriety of the brand present in the dealer networks.

key

- 1 totem
- 2 flag insignia on mast



1



2

3

identification signage

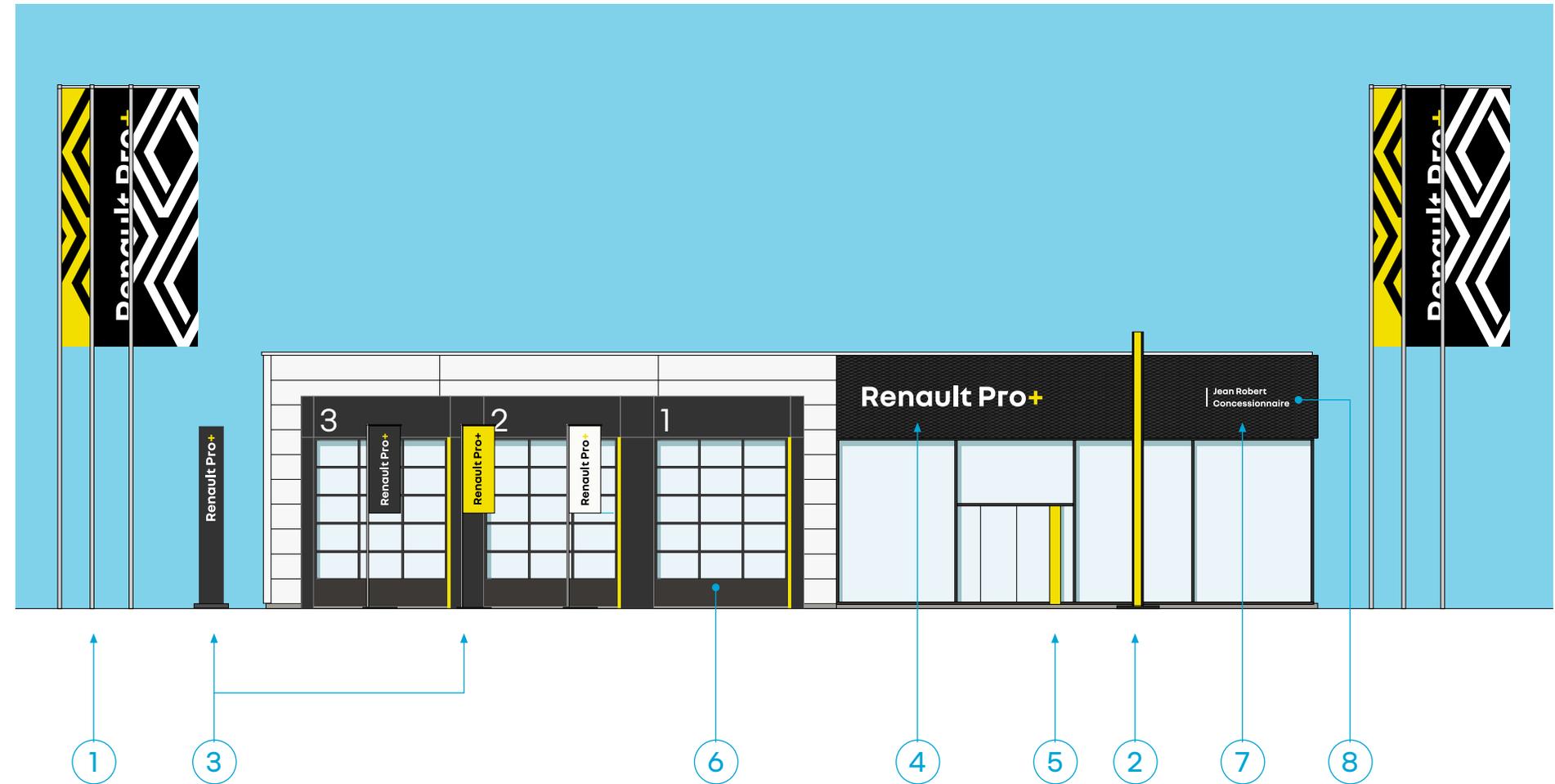
3.1.1 typical facade of integrated showrooms



key

- 1 RAL 9010 white facade pediment
- 2 Renault Pro+ signature in white letters on a dark grey background
- 3 vertical entrance markings
- 4 "atelier Renault Pro+" wording
- 5 dark grey cladding for workshop bays
- 6 bay numbering
- 7 yellow vertical strip

3.1.2 typical facade of independent sites



key

- 1 Renault flag
- 2 Renault totem
- 3 area mast & standards
- 4 Renault Pro+ signature in white lettering
- 5 Yellow vertical strip
- 6 Dark grey cladding of workshop bays
- 7 Dark grey cladding of facade
- 8 Dealername

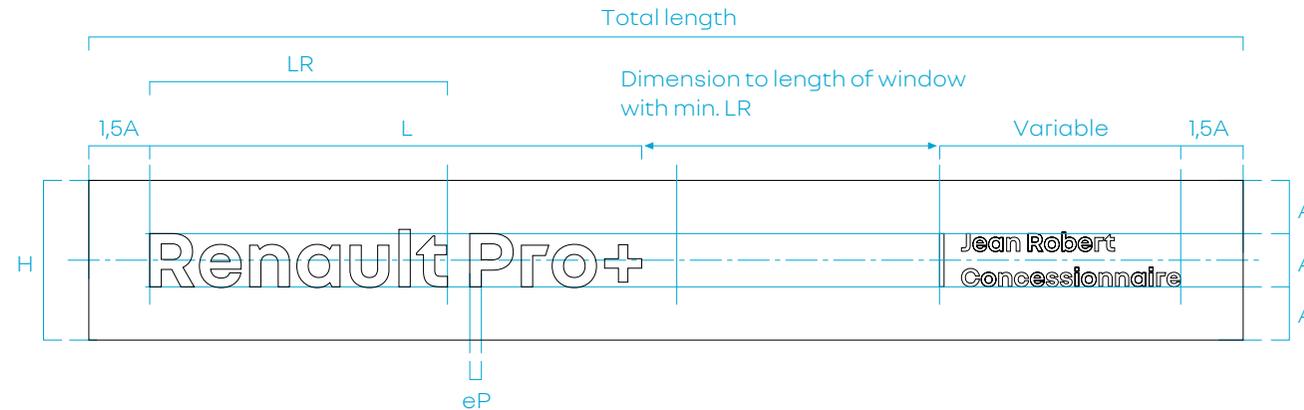
3.2.1 facade markings

Principle

This layout shows the proportions between the different components featuring on the main façade.

Only the Renault Pro+ signature is illuminated.

The height of the Renault Pro+ signature is calculated based on the letter "R" of the Renault word.



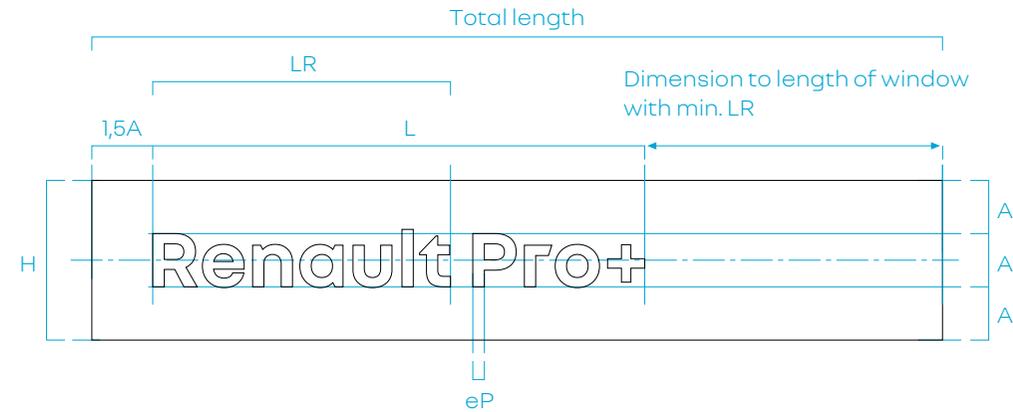
- 1 RAL 7021 dark grey satin finish background
- 2 Renault Pro+ lettering in backlit box letters, with white PMMA face, edging in opaque black PMMA, thk. 3 mm in satin finish
- 3 yellow PMMA Pantone 3955 C, thk. 3 mm in satin finish
- 4 strip executed in matt white adhesive
- 5 dealername in matt white adhesive
- 6 "Dealer" wording in matt white adhesive



Dim.	1200mm facade	1800mm facade	2400mm facade	3000mm facade
H	1200	1800	2400	3000
A	400	600	800	1000
1,5A	600	900	1200	1500
L	3725	5587	7450	9312
E	50	50	50	50
E1	72	72	72	72
eP	87	108	144	180
LR	2254	3381	4508	5635

NOTE: The dimension "E" applies if the facade is clad with aluminium panels. Dimension "E1" corresponds to the thickness of the box letters.

3.2.2 secondary facade markings



Principle

This layout shows the proportions between the different components featuring on the secondary façade.

The Renault PRO+ signature is illuminated.

The height of the Renault Pro+ signature is calculated based on the letter "R" of the Renault word.

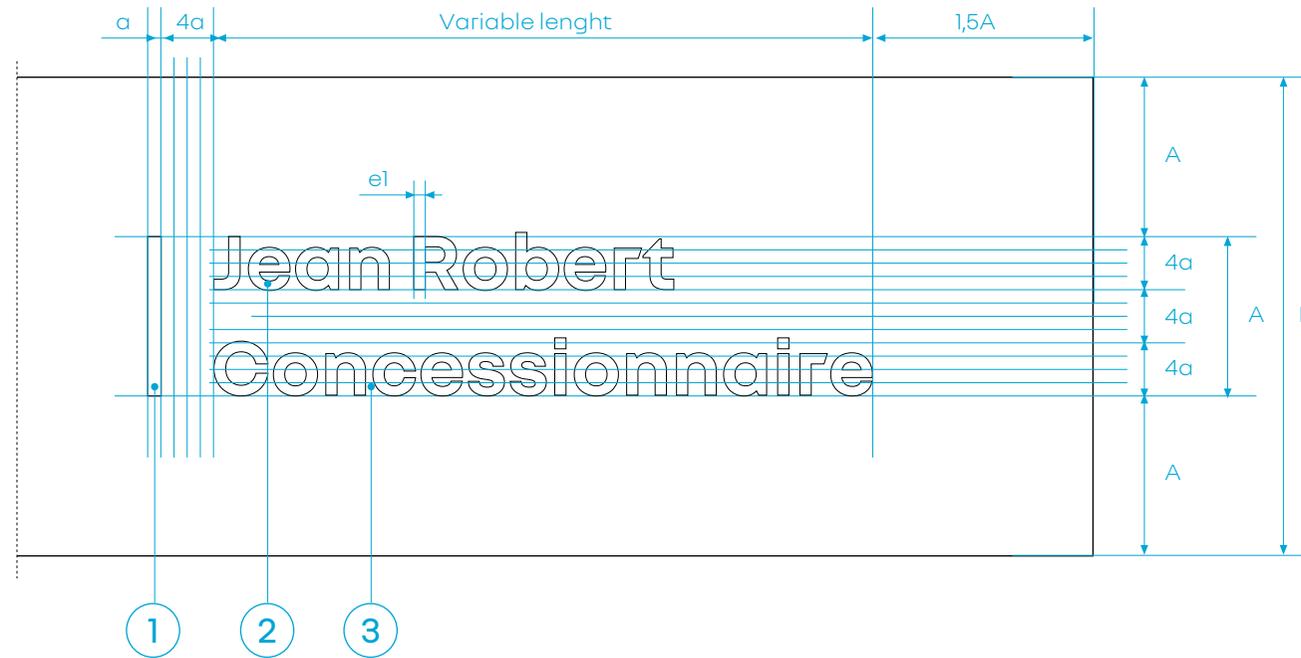


- 1 RAL 7021 dark grey satin finish background
- 2 Renault Pro+ lettering in backlit box letters, with white PMMA face, edging in opaque black PMMA, thk. 3 mm in satin finish.

NOTE: The dimension "E" applies if the facade is clad with aluminium panels. Dimension "EI" corresponds to the thickness of the box letters.

Dim.	1200mm facade	1800mm facade	2400mm facade	3000mm facade
H	1200	1800	2400	3000
A	400	600	800	1000
1,5A	600	900	1200	1500
L	3725	5587	7450	9312
E	50	50	50	50
EI	72	72	72	72
eP	87	108	144	180
LR	2254	3381	4508	5635

3.2.3 layout for dealername



Principle

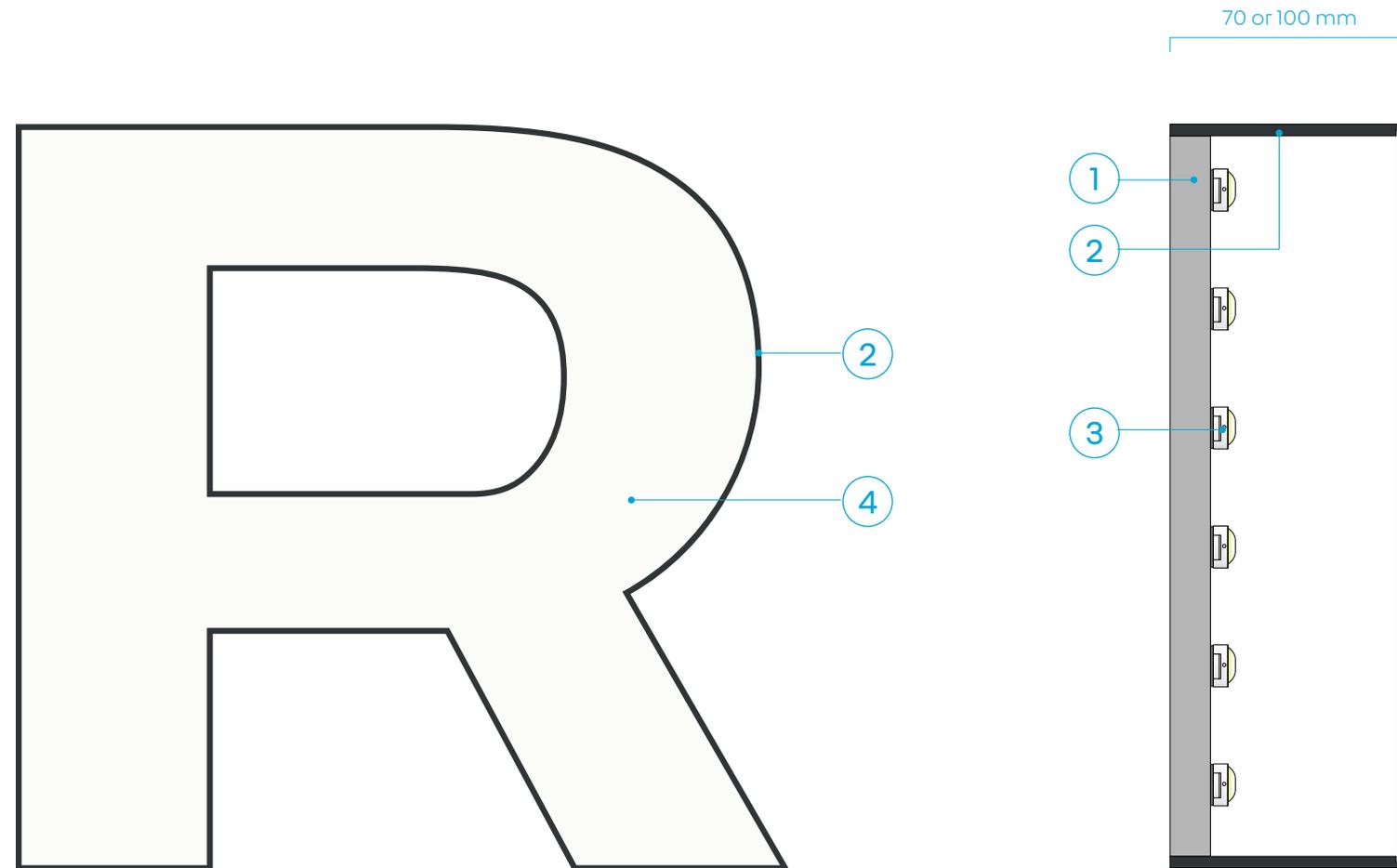
This layout shows the proportions between the different components of the dealername associated with the Renault Pro+ signatures.

- 1 white strip
- 2 dealername, Nouvel'R Bold typeface, left-aligned, standard tracking
- 3 "Dealer" lettering, Nouvel'R Bold typeface, left aligned, standard tracking

Dim.	1200 mm façade	1800 mm façade	2400 mm façade	3000 mm façade
H	1200	1800	2400	3000
A	400	600	800	1000
1,5A	600	900	1200	1500
a	33,3	50	66,6	83,3
4a	133,3	200	266,4	333,2
e1	30	45,3	60	75

NOTE: Dimension "e1" represents the thickness of the lettering.

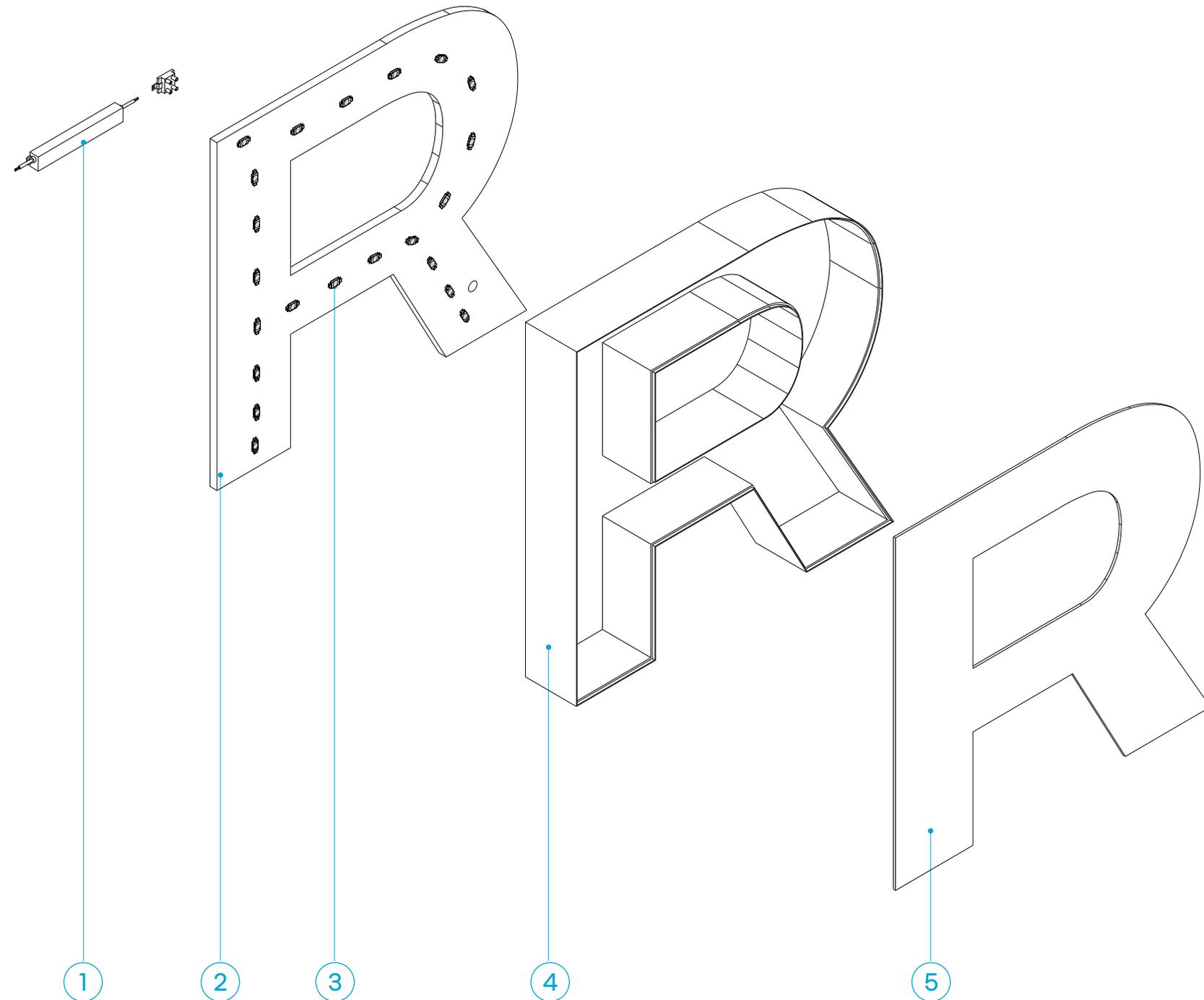
3.2.4 manufacturing principle for lettering



description

- 1 backing in 10 or 13 mm expanded PVC
- 2 edging in opaque black 30/10th mm thick PMMA, internal finish in matt white adhesive, with shoulder for flush mounting letter face
- 3 white chain LEDs, IP65 rated, 6,500° K, luminance 350 cd/m²
- 4 letter face in white PMMA, thk. 3 mm, bonded along the edge

3.2.5 schematic exploded view



description

- 1 converter outside the letter, mounted in the peripheral frame of the woven-metal mesh support
- 2 backing in 10 or 13 mm expanded PVC
- 3 white chain LEDs, IP65 rated, 6,500° K, luminance 350 cd/m²
- 4 edging in opaque black 30/10th mm thick PMMA, internal finish in matt white adhesive, with shoulder for flush mounting letter face
- 5 letter face in white PMMA, thk. 3 mm, bonded along the edge

3.2.6 lighting for box letters

description

Illumination of the lettering face by chain LEDs mounted on the letter backing.

The converter, which is common for a group of letters or for all the letters, is mounted outside the lettering.

performances

Chain LED with minimum IP67 protection rating.

Temperature: 6,500° K Cool White.

Minimum luminance: 350 cd/m² with a minimum of 250 cd/m².

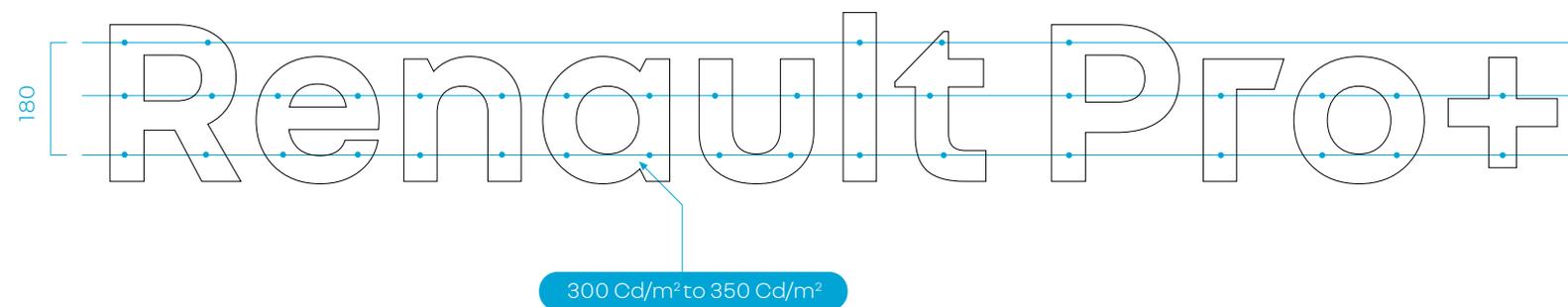
The warranty for all LED lighting systems and parts is 5 years, subject to compliance with conditions of use and maintenance.

Light output reduced by 70% after 70,000 hours operation.

Minimum guaranteed lifetime: 7 years

Supply: 220 volts

12 volt converter with regulated voltage, IP 68 protection.



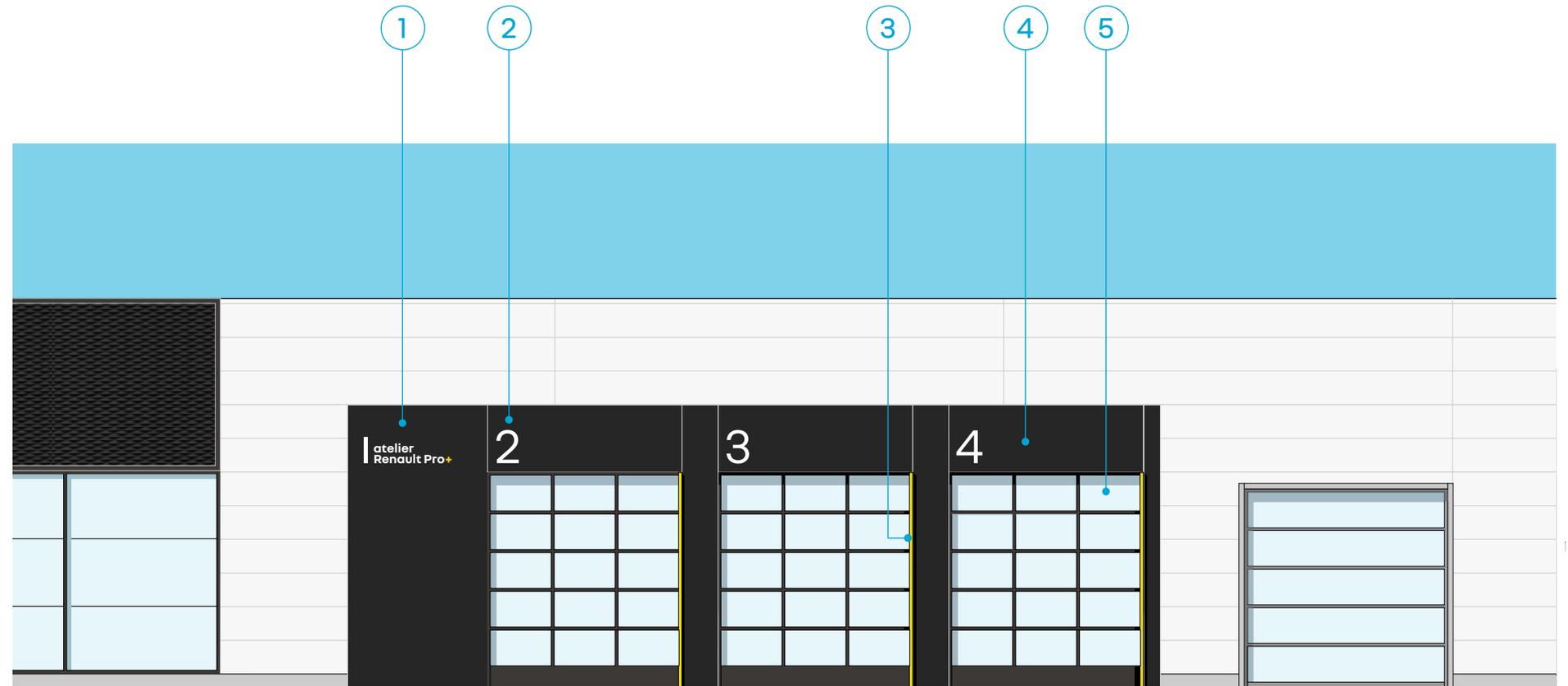
The dots are a schematic representation of the measurement points that should present similar light intensity values in order to obtain even lighting across each of letters.

The readings, performed with a calibrated luminance meter, should ideally be performed without light interference and at a distance of between 1 and 2 m from the letter face.

3.3 after-sales facade markings

key

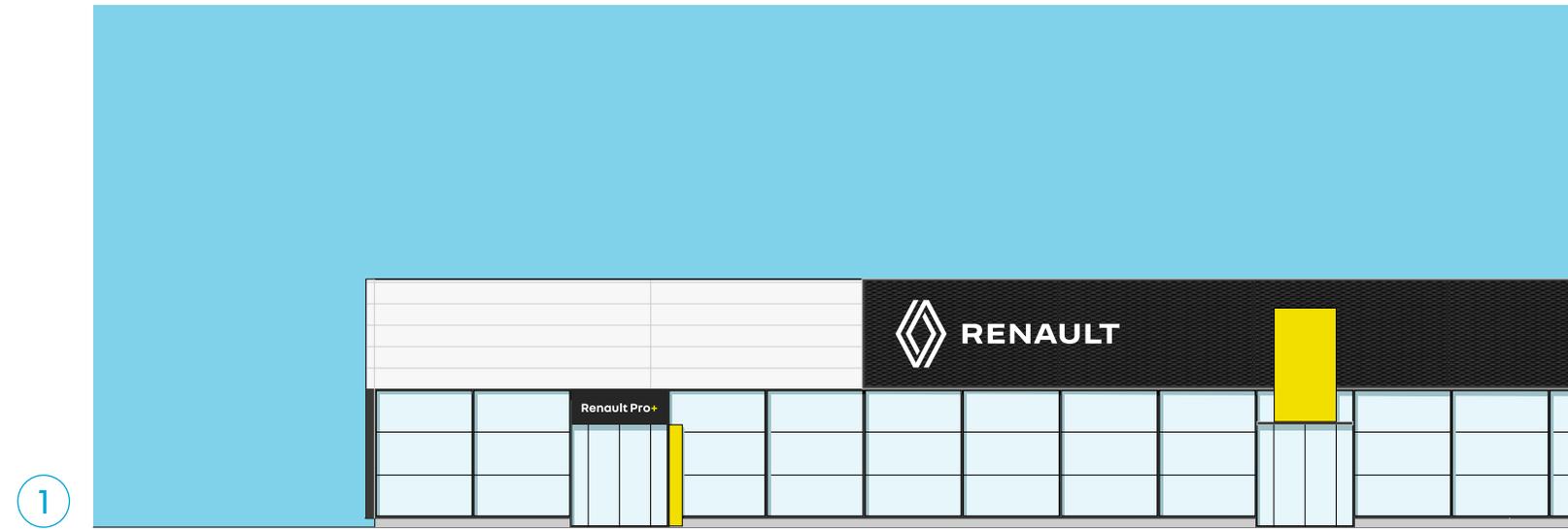
- 1 The "Renault Pro+ workshop" naming identifies the group of workshop bays dedicated to utility vehicles.
- 2 a number identifies each bay.
- 3 a yellow vertical strip recalls the presence of the brand, punctuating the group of bays by identifying each access door.
- 4 standard heights of fascias above doors are 900, 1200 or 1500 mm.
- 5 workshop doors are mostly glazed. The frames are painted in RAL 7021 grey.



note:

For any technical information relating to Renault components, refer to the Specifications for each component.

3.4.1 cladding of facade pediments of integrated showrooms

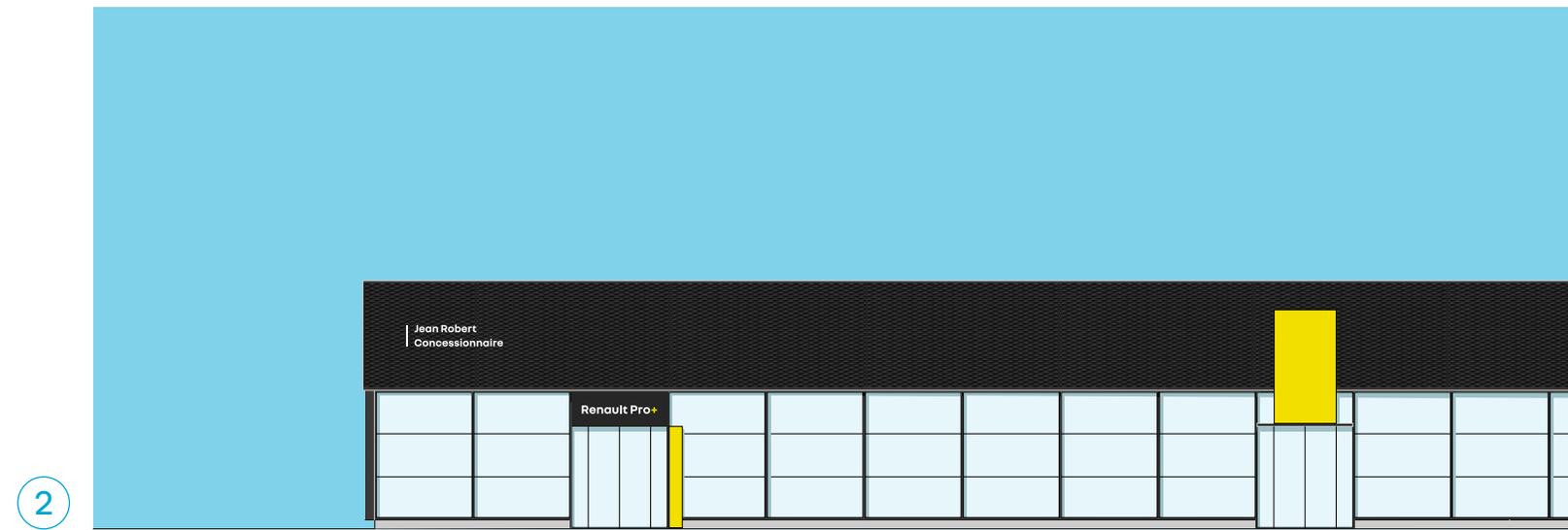


key

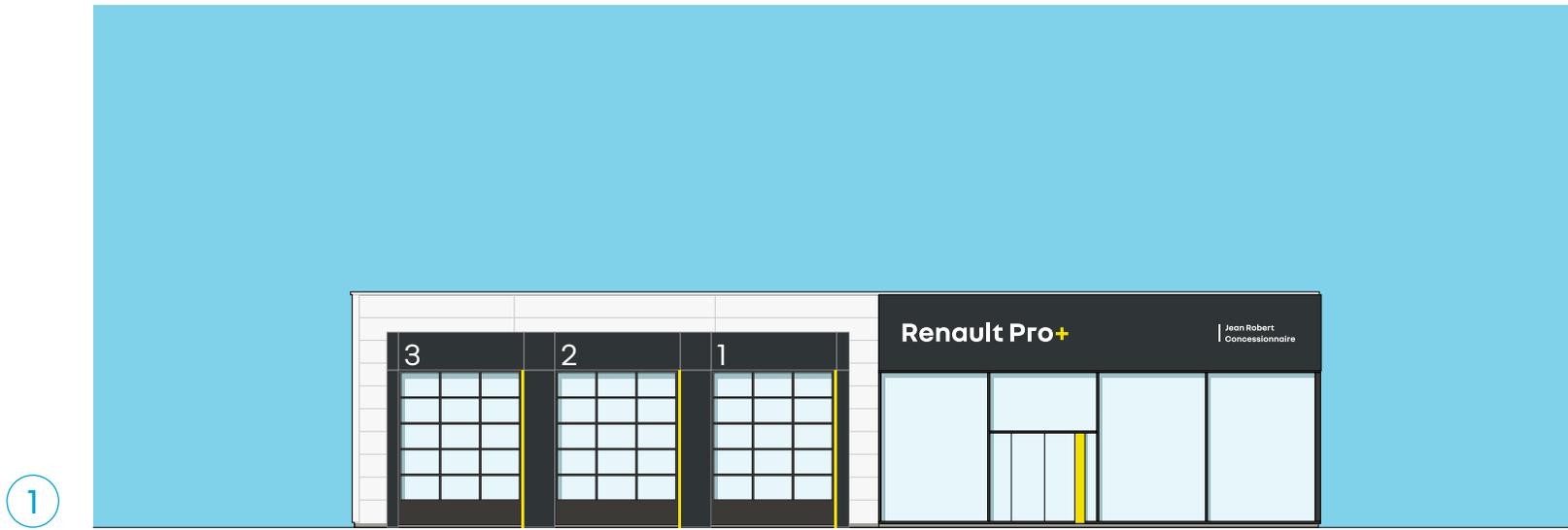
- 1 facade of the Renault Pro+ showroom covered with white RAL 9010 cladding in matt finish
- 2 facade of the Renault Pro+ showroom covered in metallic mesh in continuity with the new vehicle showroom

note:

For any technical information relating to Renault components, refer to the Specifications for each component.



3.4.2 cladding of facade pediments of independent sites

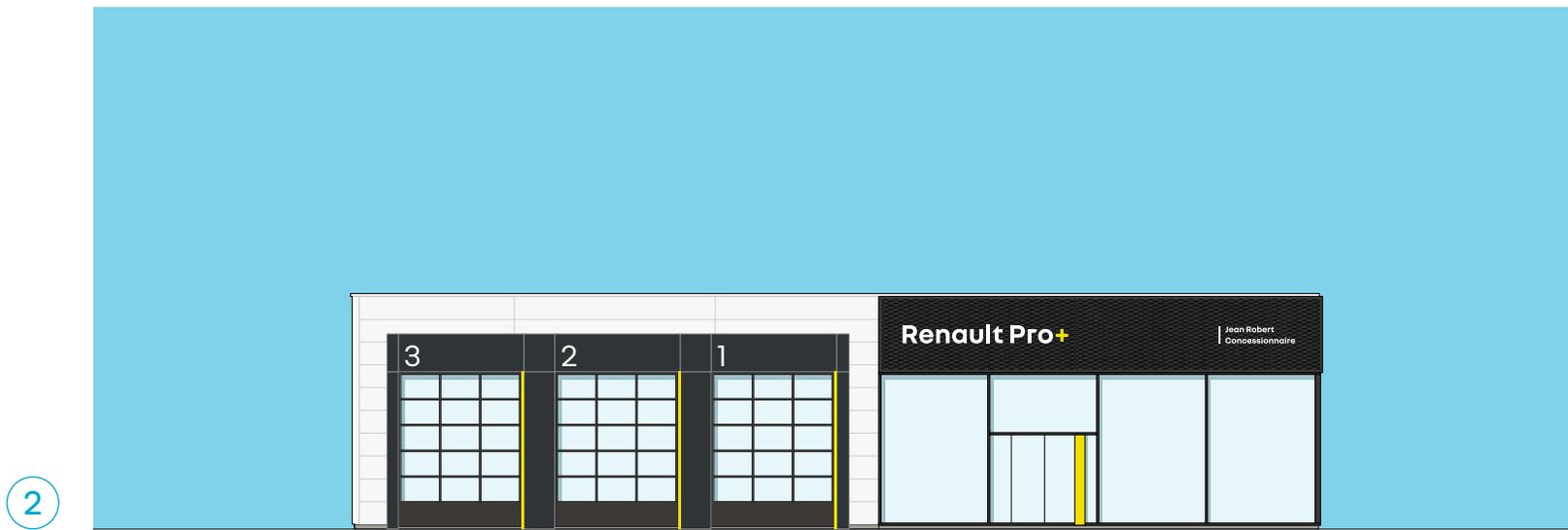


key

- 1 facade of the Renault Pro+ showroom clad in flat metal cassettes in RAL 7021 dark grey lacquered aluminum with satin finish
- 2 facade of the Renault Pro+ showroom clad in metallic mesh

note:

For any technical information relating to Renault components, refer to the Specifications for each component.



3.5 overhead panel

description

The overhead panel is made up of an aluminum frame on which a mass-dyed PVC coated canvas in Pantone 7408 EC yellow color is stretched, made in one piece (seamless).

The whole thing forms a backlit light box.

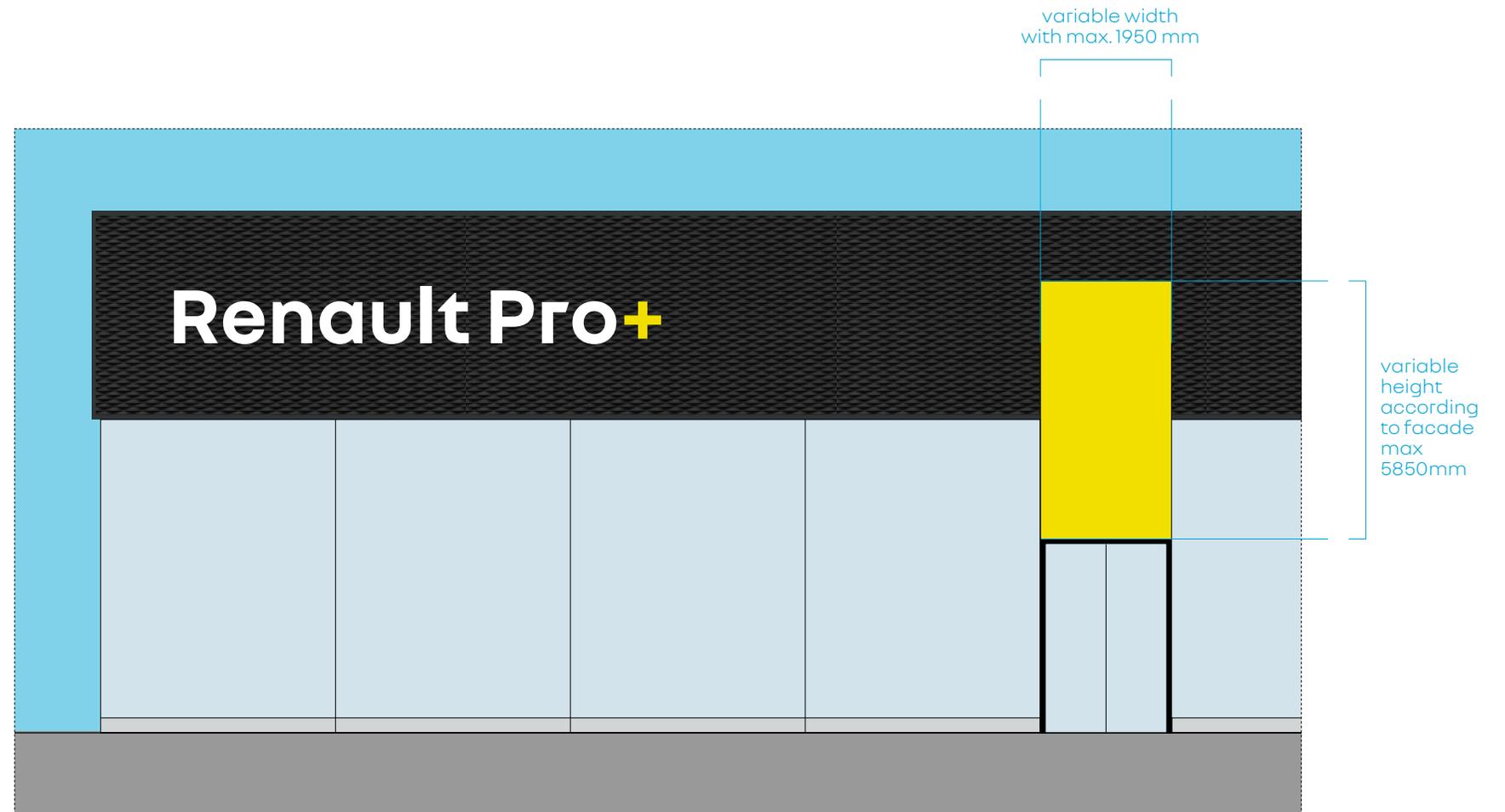
The edge trim is made of aluminum sheet lacquered in dark grey equivalent to RAL 7021.

Height and width are variable to be adapted to each situation. However, it is still a rectangle whose height is greater than its width with a minimum ratio of 1/3.

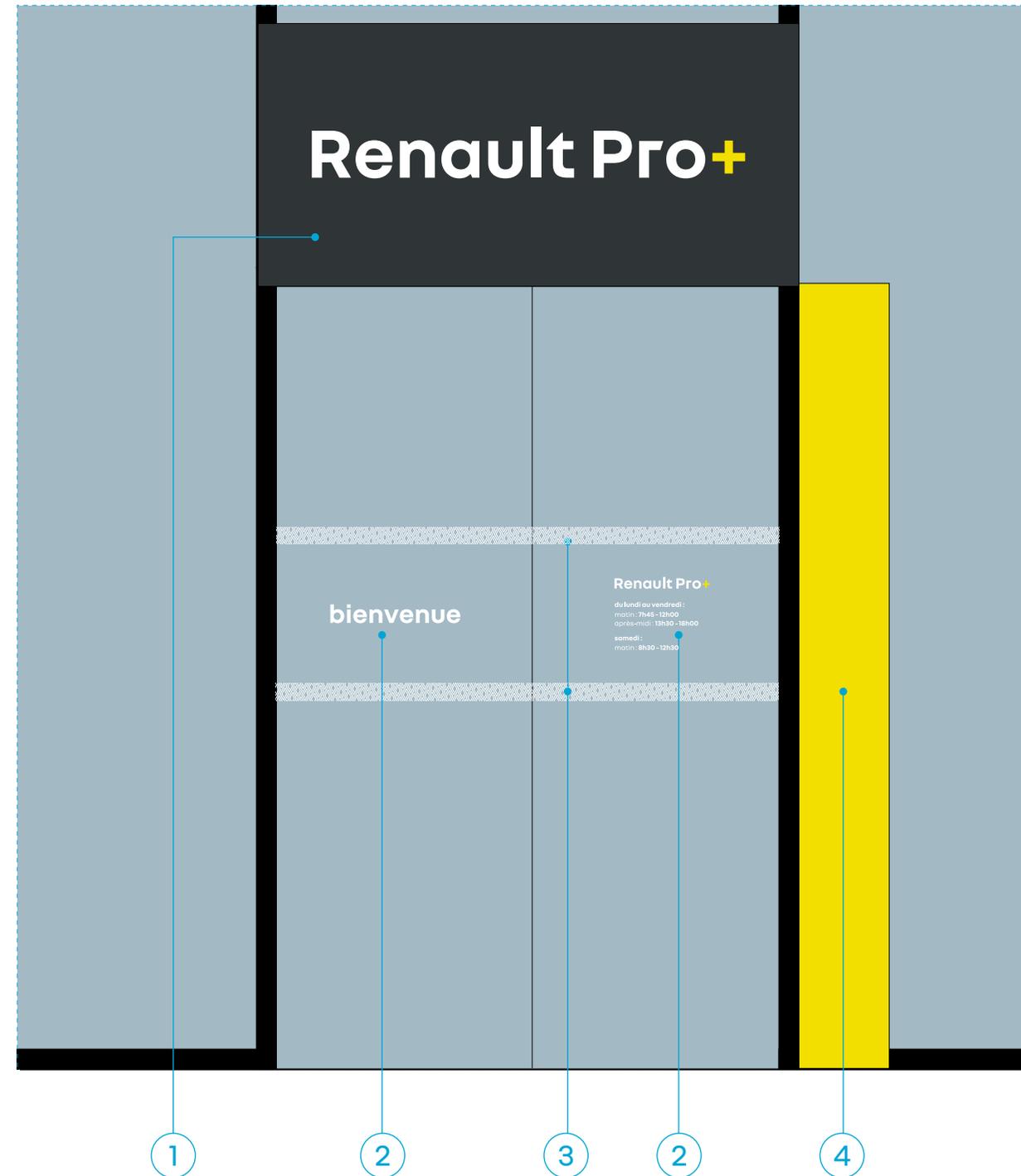
Approximate weight: 13 kg/m²

note:

For any technical information relating to Renault components, refer to the Specifications for each component.



3.6 door entrance markings



key

- 1 illuminated signage
- 2 adhesive markings
- 3 horizontal strips
- 4 vertical entrance marker sign

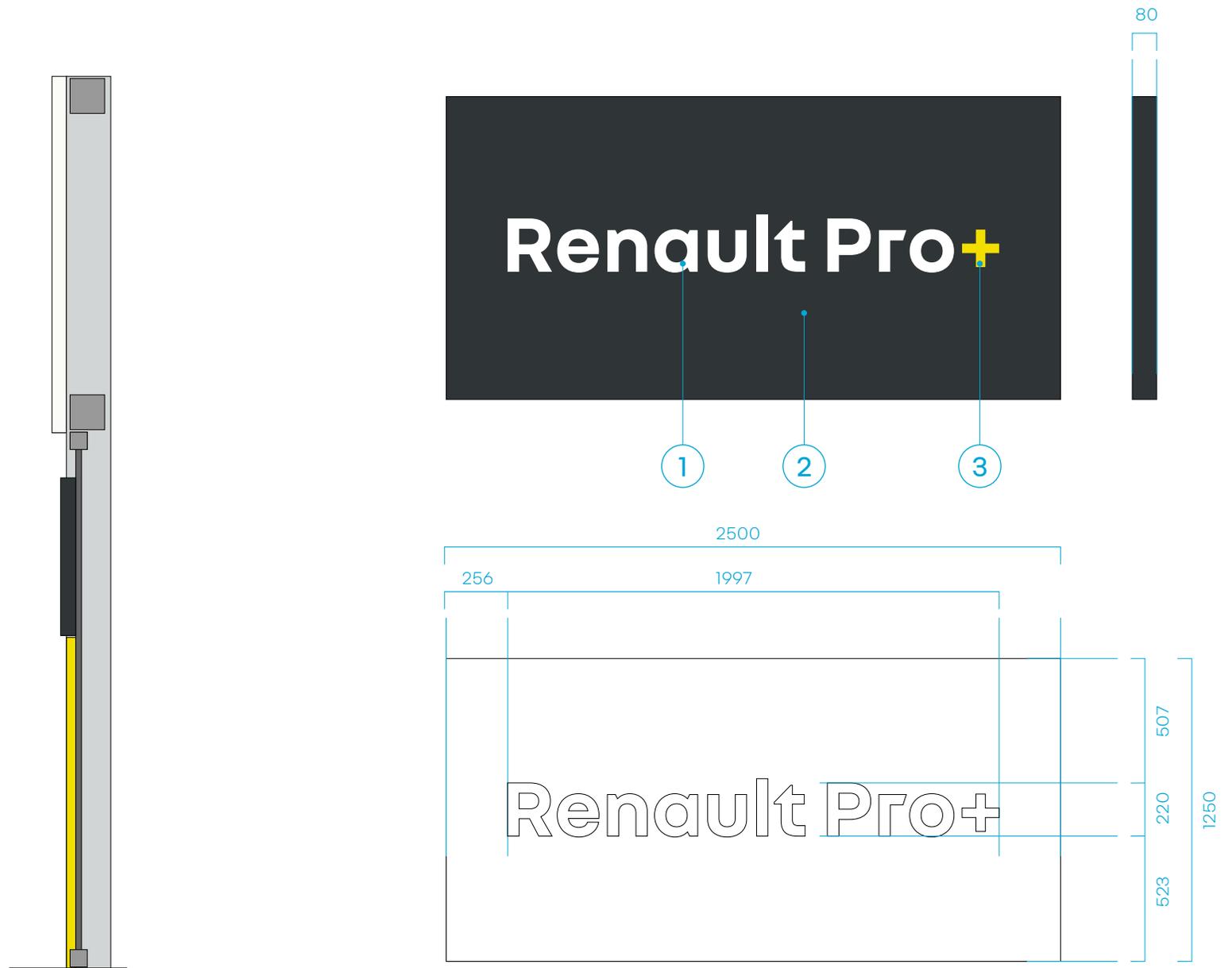
3.7.1 box over entrance - general description

principle

A light box is located above the main entrance door to Renault Pro+ showrooms.

A Renault Pro+ complete signature is centred on the face made of white PMMA.

- 1 Renault Pro+ signature in white type,
- 2 RAL 7021 dark grey satin finish background in aluminium sheeting,
- 3 "+" in pantone yellow 3955 C.



3.7.2 box over entrance - lighting

description

The face is lit with chain LEDs.

The converter is mounted inside the box.

Performance characteristics

Chain LED with minimum IP65 protection rating.

Temperature: 6,500° K Cool White.

Mean luminance: 3000 cd/m² with a maximum of 350 cd/m².

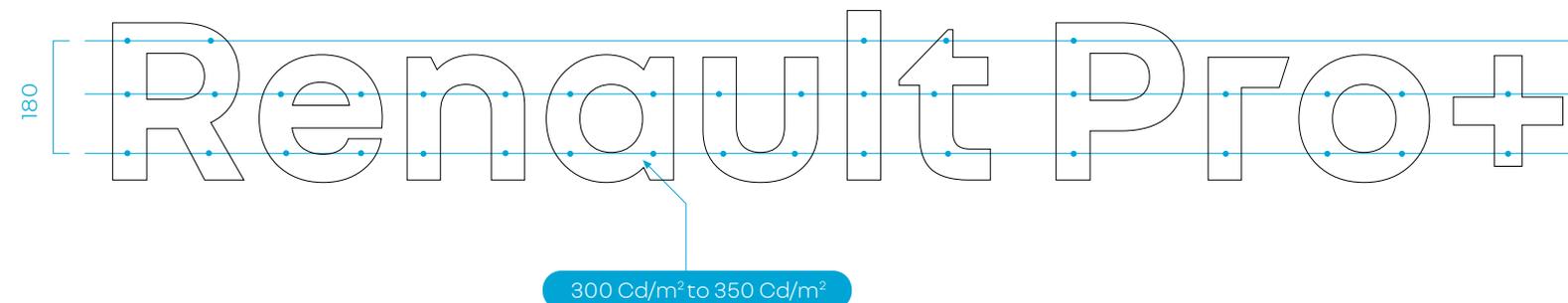
The warranty for all LED lighting systems and parts is 5 years, subject to compliance with conditions of use and maintenance.

Light output reduced by 50% after 50,000 hours operation.

Minimum guaranteed lifetime: 50,000 hours.

Supply: 220 volts

12 volt converter with regulated voltage, IP 68 protection.



The dots are a schematic representation of the measurement points that should present similar light intensity values in order to obtain even lighting across each of letters.

The readings, performed with a calibrated luminance meter, should ideally be performed without light interference and at a distance of between 1 and 2 m from the letter face.

3.7.3 implementation of lighting in box over entrance

principle

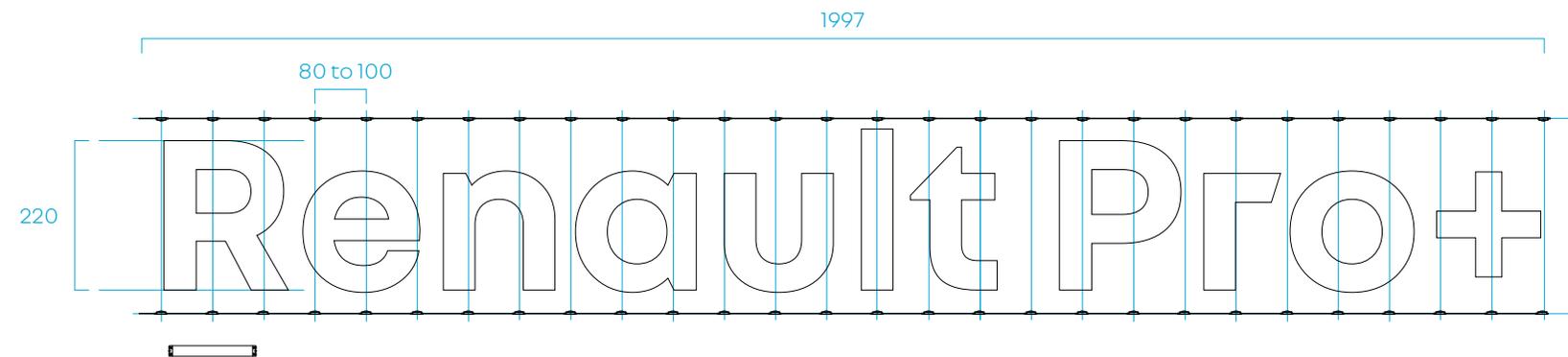
This recommendation is made on the basis of a 20 lumens module with a luminous efficacy of 90 to 100 lumens/watts.

The instruction remains indicative and shall require a validation and a test for compliance with the performance targets indicated in this document.

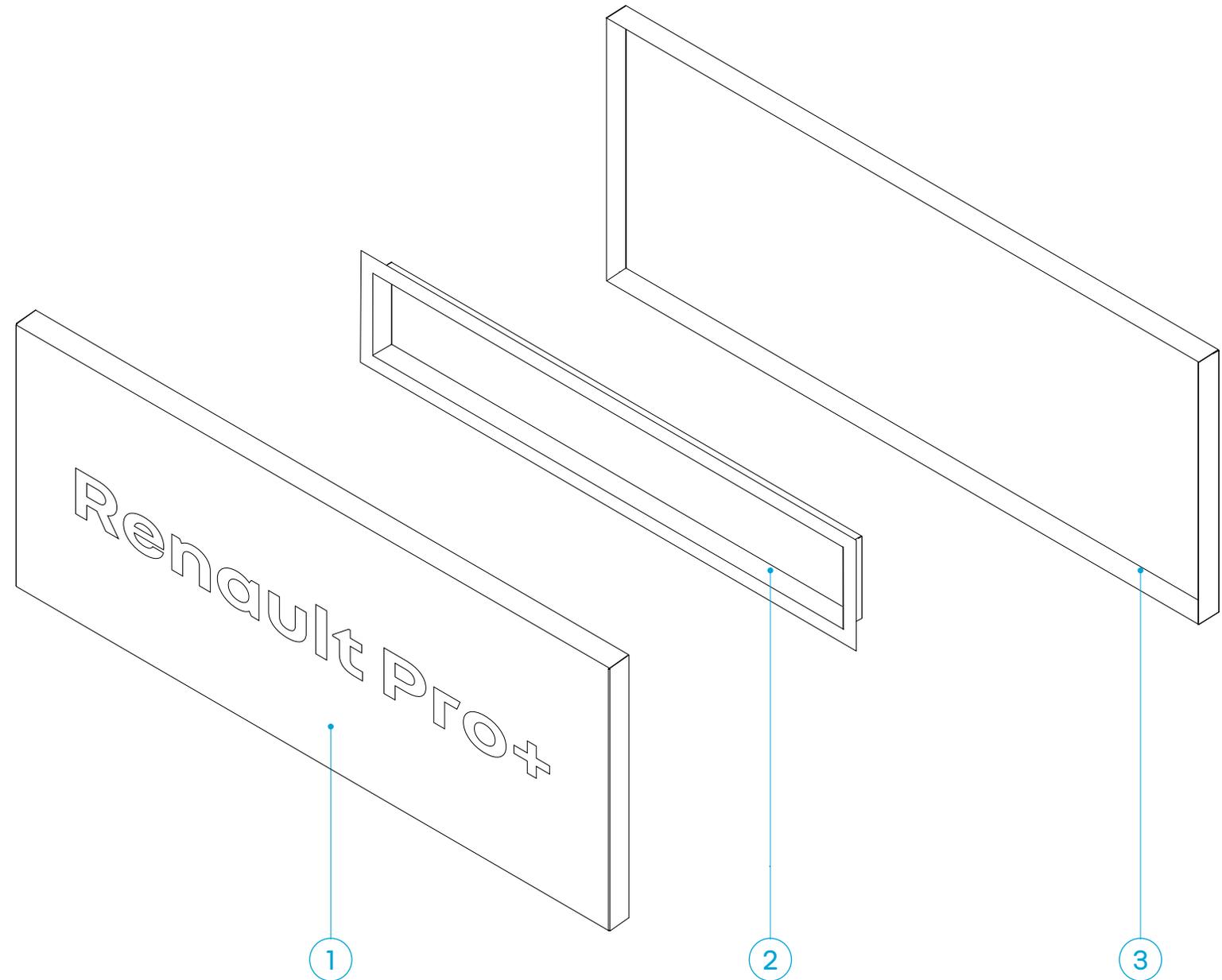
The LEDs are installed perpendicular to the face. Spacing of the LEDs shall be adjusted to achieve a regular luminous flow on the PMMA face.

description

- temperature: 6,500° K Cool White.
- module power rating: 20 lumens
- luminous efficacy: 90-100 lm/watt
- converter, 12 volts, constant current
- number of modules: 90
- approx. power consumption : 22 watts



3.7.4 box over entrance - exploded view



key

- 1 front panel in pre-lacquered RAL 7021 dark grey aluminium sheeting with 40% gloss with Renault Pro+ signature in white diffusing PMMA glued at the back of the face.
- 2 reflector in aluminium with chain Leds and converter
- 3 back of the sign in natural aluminium sheeting.

3.7.5 box over entrance • retrofit

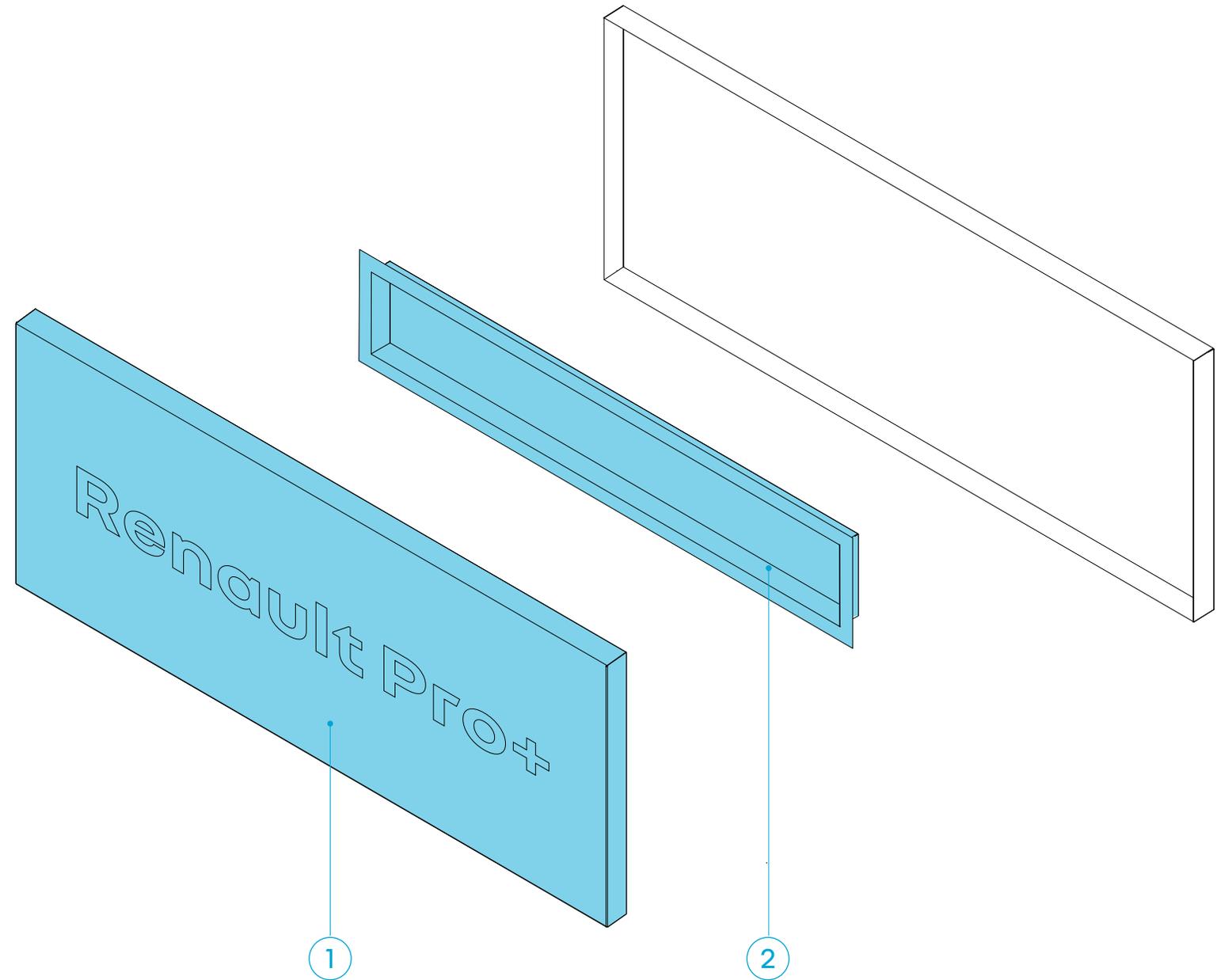
principle

It is recommended to retrofit the existing box signs.

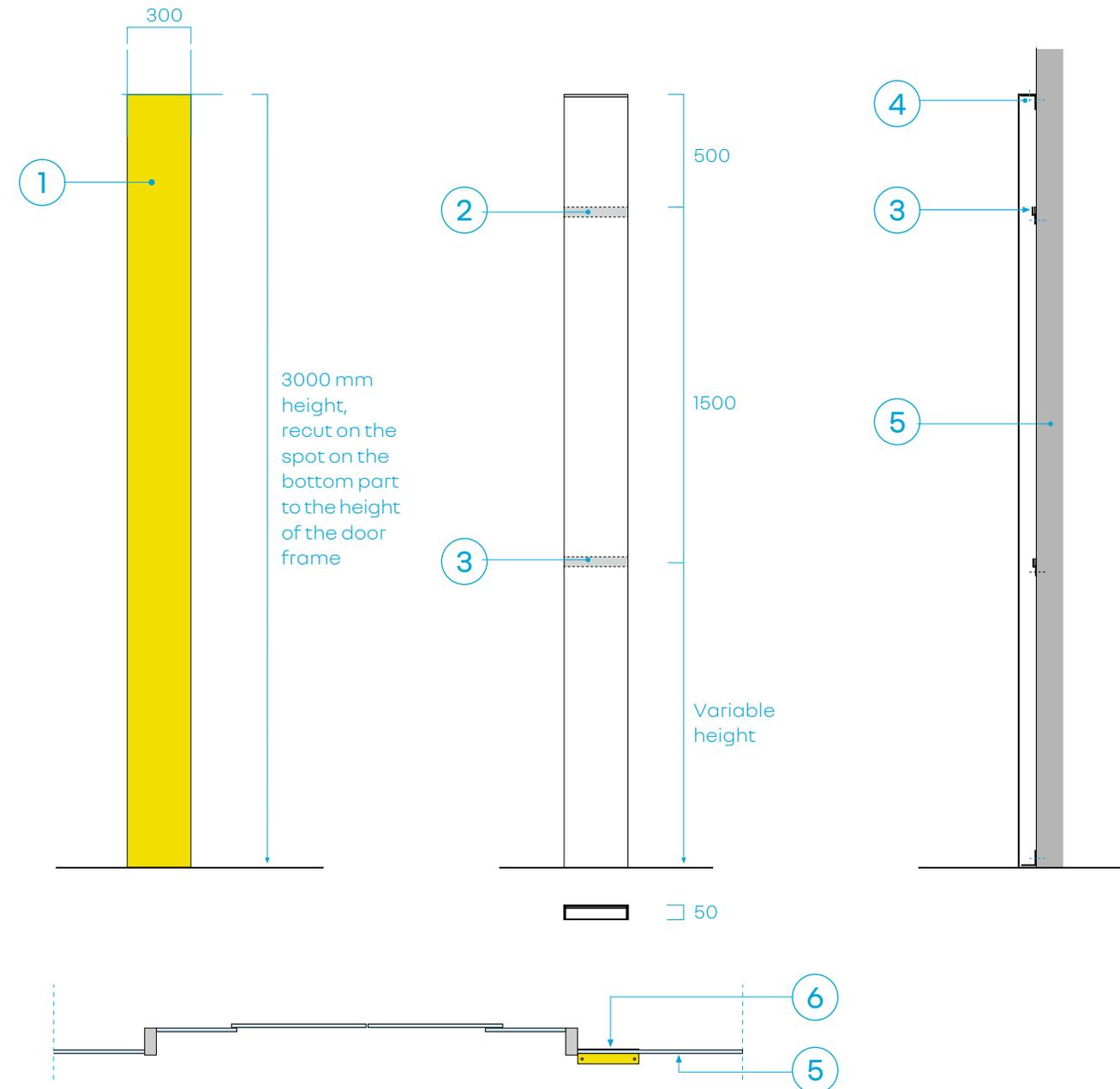
For this, it will be necessary to remove the the complete front face and to replace it on site with new face (including the lighting material).

key

- 1 front panel in pre-lacquered RAL 7021 dark grey aluminium sheeting with 40% gloss with Renault Pro+ signature in white diffusing PMMA glued at the back of the face.
- 2 reflector in aluminium with chain Leds and converter.



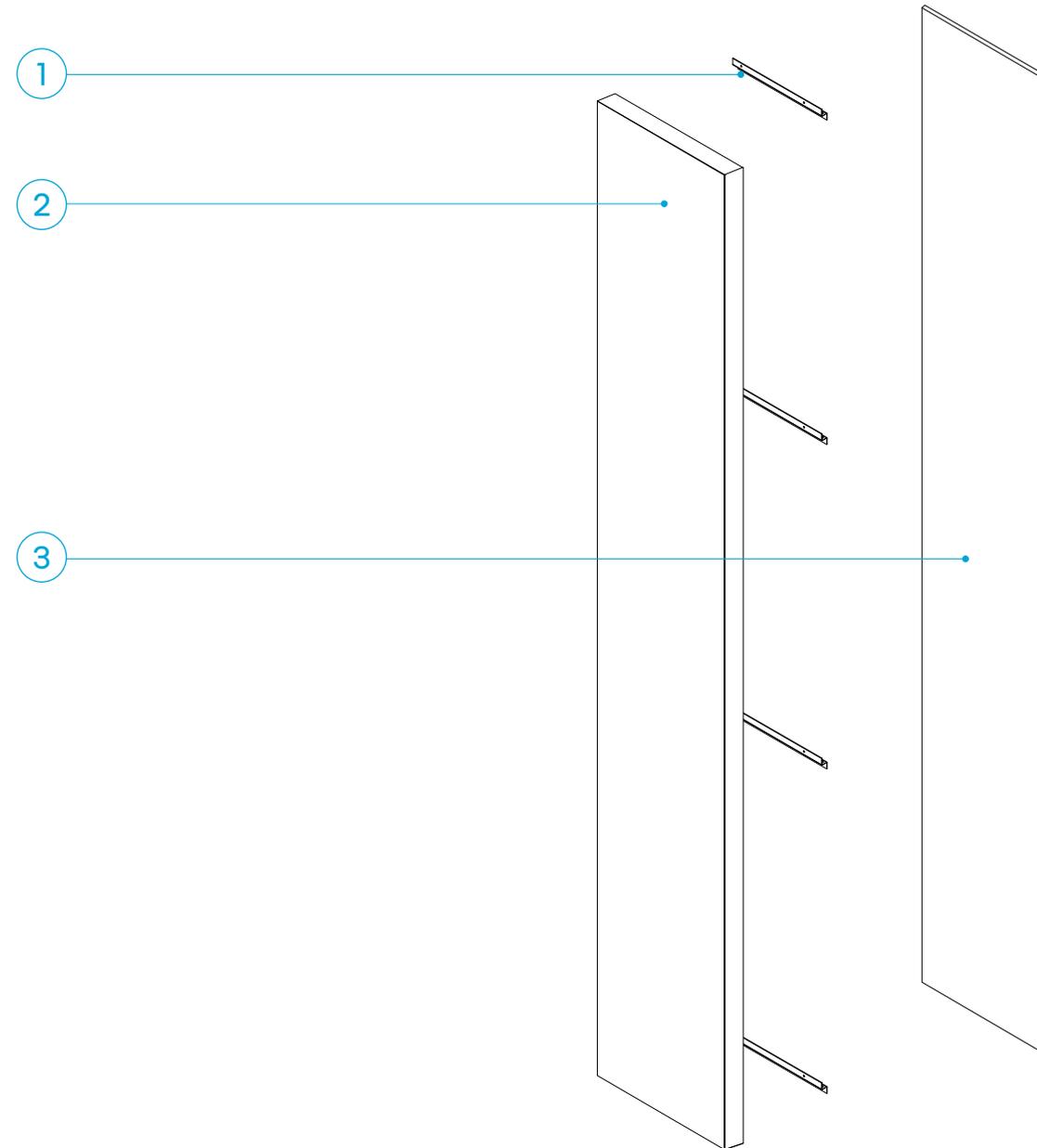
3.8.1 vertical entrance marker - description



key

- 1 aluminium sheet with raised edges, pre-lacquered Pantone 3955 C yellow (one piece)
- 2 flat natural aluminium strip, 30 x 3 mm
- 3 Z-shaped natural aluminium profile,
- 4 L-shaped natural aluminium profile, 40 x 40 x 2 mm
- 5 glass façade
- 6 matt black masking adhesive of maximum surface area of 0.9 m²

3.8.2 vertical entrance marker - exploded view



key

- 1 aluminium runners for hanging with natural finish.
- 2 front panel with raised edges (non-welded) in pre-lacquered Pantone 3955 C yellow aluminium sheeting.
- 3 masking adhesive applied to glazing on the interior, matt black.

3.9.1 adhesive markings on entrance door - presentation



Renault Pro+

du lundi au vendredi :
7h30 - 19h30
samedi :
8h00 - 12h00



showroom

du lundi au vendredi :
9h00 - 19h00
samedi :
9h00 - 12h00

key

- 1 in the case of dedicated access to the showroom for professional customers, the Renault Pro+ signature appears above the opening hours
- 2 in the case of common access to all customers, the extended hours are indicated in a text box under the generic opening hours to access to the showroom

Renault Pro+

du lundi au vendredi :
7h30 - 19h30
samedi :
8h00 - 12h30

3.9.2 adhesive markings on entrance door - outlines



key

- 1 "bienvenue" wording in nouvel'R Bold typography, centred, matt white adhesive,
- 2 Renault Pro+ signature, left-aligned, matt white and yellow adhesive
- 3 opening hours in nouvel'R Regular and nouvel'R Bold typography, left-aligned, matt white adhesive

3.9.3 adhesive markings on entrance door - horizontal strips



description

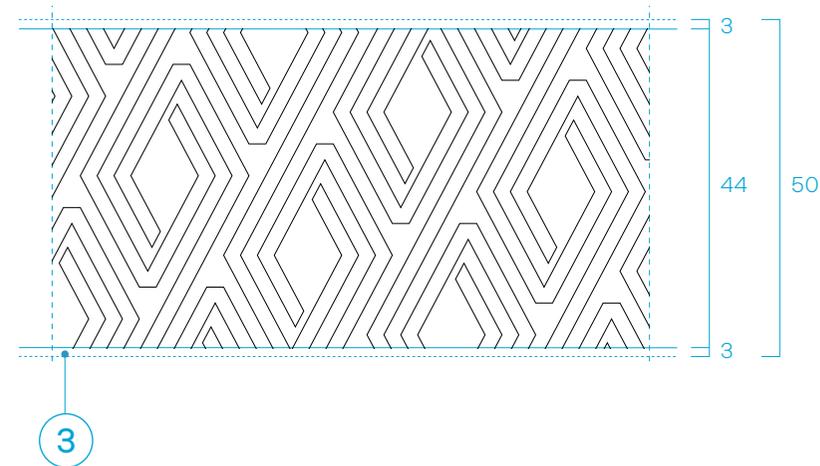
The horizontal strips of a height of 60 mm incorporate a pattern created either :

- by white silkscreen printing directly onto the glass,
- by using a transparent adhesive strip printed in white.

An EPS file, accessible on the Brand Stores website, can be used for reproduction of the strips.

key

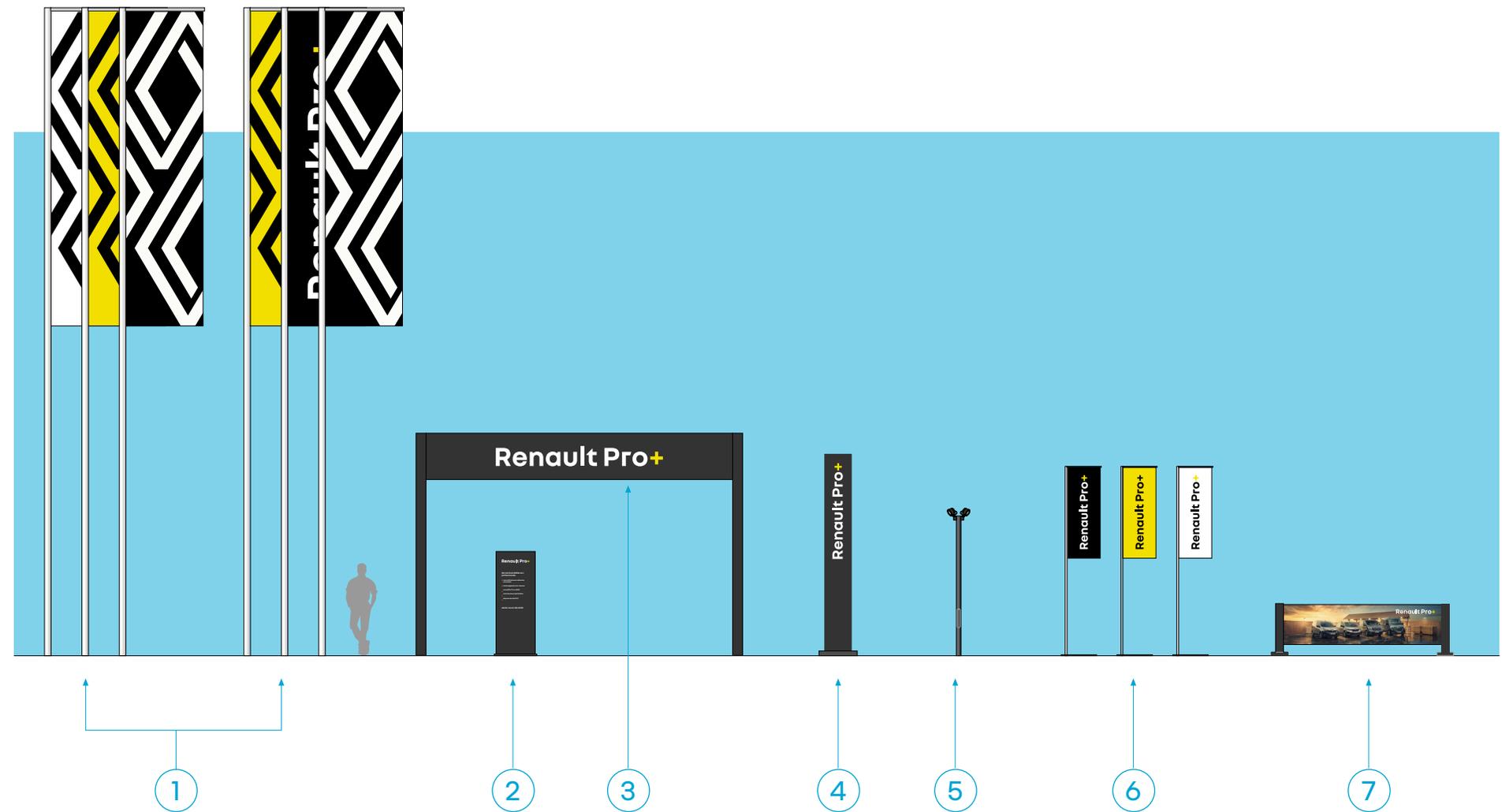
- 1 white pattern
- 2 glass
- 3 edge of the transparent adhesive with polished finish (positioned inside the showroom)



4

outdoor exhibition area

4.1 components



key

The exhibition area includes the following elements:

- 1 3 Renault flags for corners and integrated sites, 2 Renault flags or 1 Renault Pro+ flag for independent sites.
- 2 the customer promise panel.
- 3 the arch.
- 4 the area mast.
- 5 the lighting column.
- 6 the promotional banners
- 7 the tarpaulin.

4.2.1 arch sign - description

principle

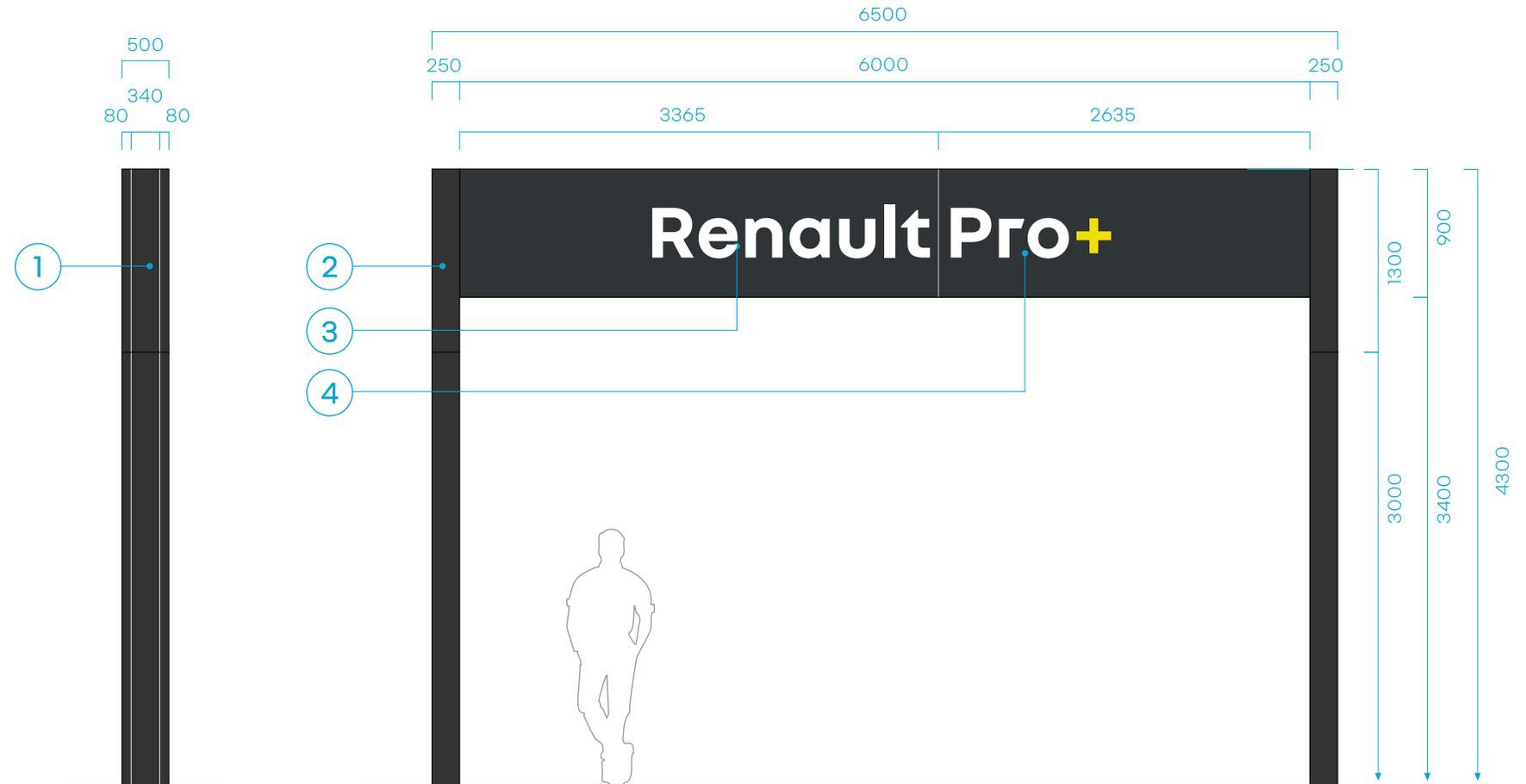
The arch identifies Renault Pro+ exterior exhibition areas.

Located at the entrance to the Renault Pro+ exhibition area, it is positioned in the axis of the central bay.

- 1 cladding of the edge of the posts in RAL 7021 dark grey aluminium sheeting with 40% gloss
- 2 cladding of the structure in pre-lacquered RAL 7021 dark grey aluminium sheeting with 40% gloss
- 3 front panel in pre-lacquered RAL 7021 dark grey aluminium sheeting with 40% gloss
- 4 lettering in light-diffusing white PMMA glued at the back of the face.

NOTE:

the previous generations of arches can be retrofitted allowing the internal structure to be retained once the cladding sheets have been removed.



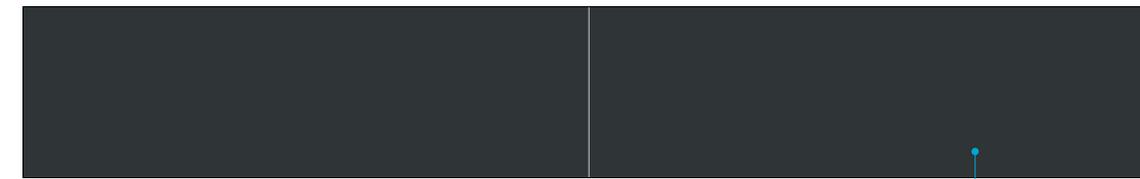
4.2.2 arch sign - front panel of arch



front face

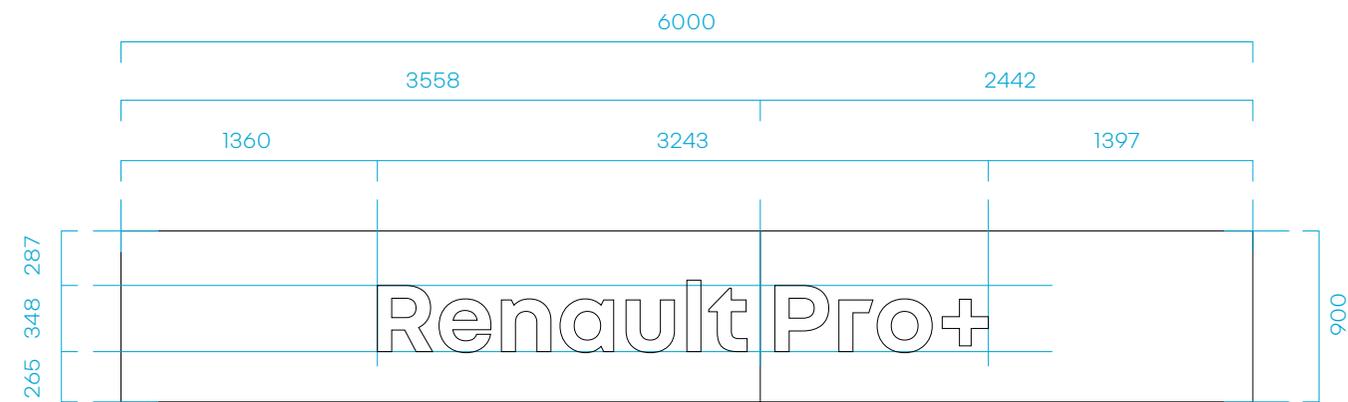
1

2



rear face

3



outlines

key

- 1 signature in white PMMA, pasted on the back of the front panel
- 2 front face divided in 2 parts, aluminium sheeting, RAL 7021 dark grey satin finish
- 3 back face divided in 2 parts, aluminium sheeting, RAL 7021 dark grey satin finish

4.2.3 arch sign • lighting

description

The face is lit with chain LEDs.

The converter is mounted inside the box.

performance characteristics

Chain LED with minimum IP65 protection rating.

Temperature: 6,500° K Cool White.

Mean luminance: 3000 cd/m² with a maximum of 350 cd/m².

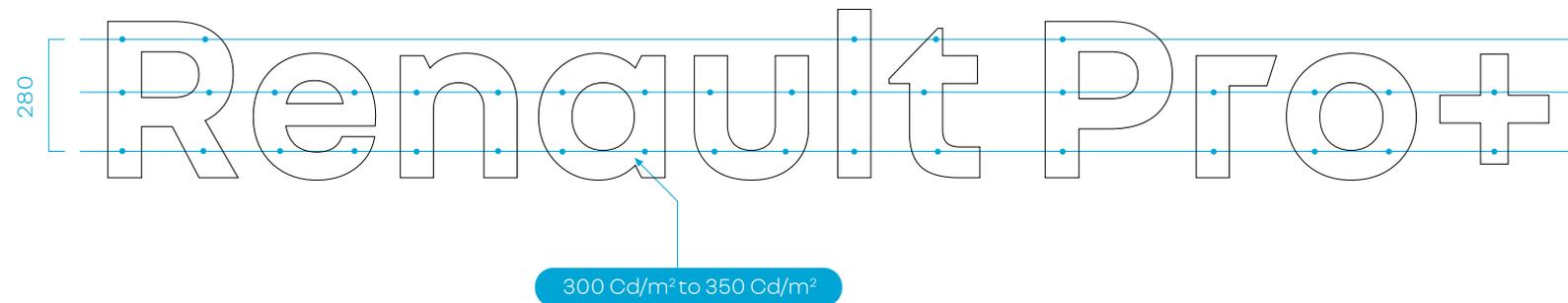
The warranty for all LED lighting systems and parts is 5 years, subject to compliance with conditions of use and maintenance.

Light output reduced by 50% after 50,000 hours operation.

Minimum guaranteed lifetime: 50,000 hours.

Supply: 220 volts

12 volt converter with regulated voltage, IP 68 protection.



The dots are a schematic representation of the measurement points that should present similar light intensity values in order to obtain even lighting across each of letters.

The readings, performed with a calibrated luminance meter, should ideally be performed without light interference and at a distance of between 1 and 2 m from the letter face.

4.2.4 arch sign - implementation of lighting

principle

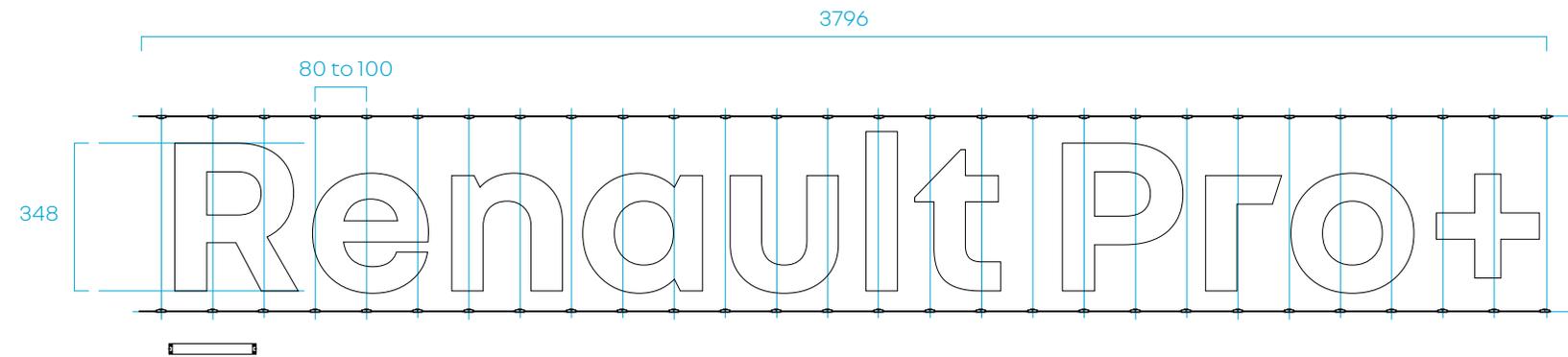
This recommendation is made on the basis of a 20 lumens module with a luminous efficacy of 90 to 100 lumens/watts.

The instruction remains indicative and shall require a validation and a test for compliance with the performance targets indicated in this document.

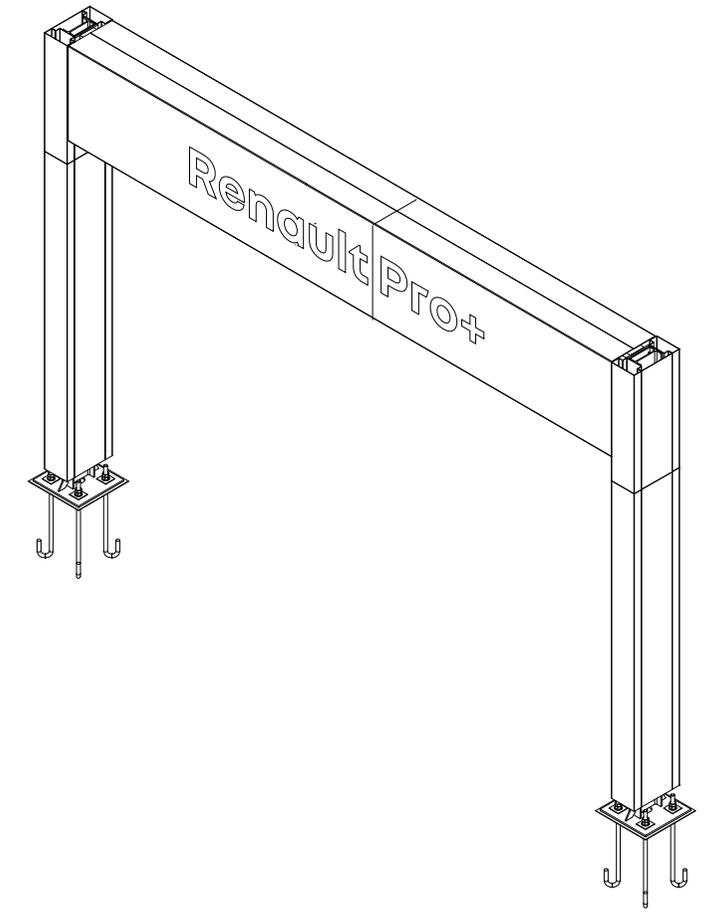
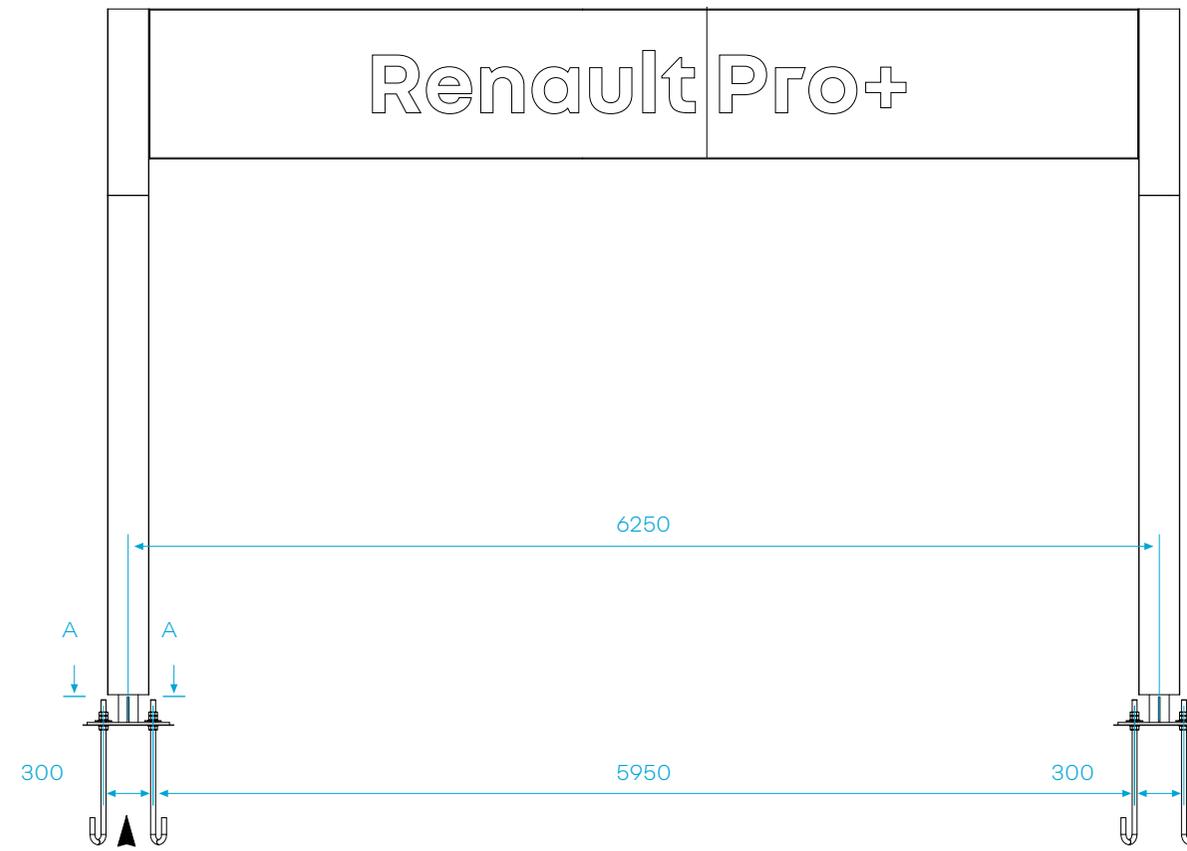
The LEDs are installed perpendicular to the face. Spacing of the LEDs shall be adjusted to achieve a regular luminous flow on the PMMA face.

description

- temperature: 6,500° K Cool White.
- module power rating: 20 lumens
- luminous efficacy: 90-100 lm/watt
- converter, 12 volts, constant current
- number of modules: 90
- approx. power consumption : 22 watts



4.2.6 arch sign • anchoring



ground attachment system

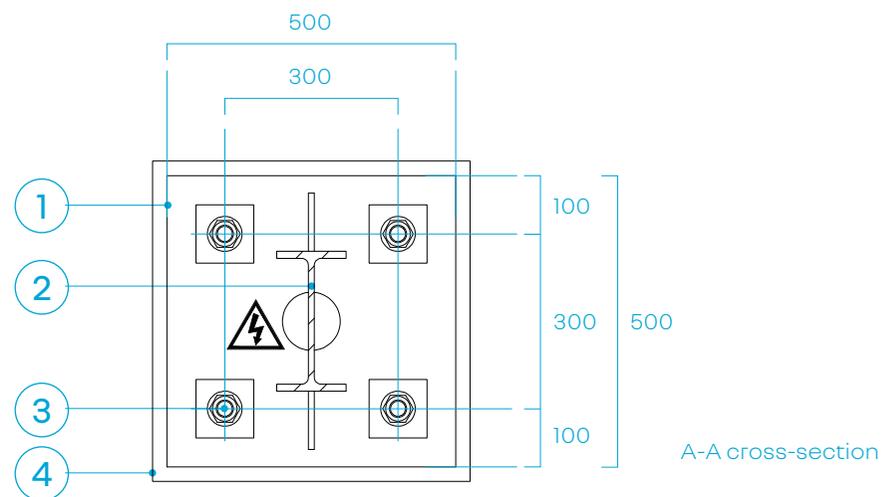
The arch is anchored to the ground via two plates fitted with four M24 anchoring rods.

The assembly is fastened to a recessed block which is set underground.

Total weight: 1000 kg

key

- 1 steel attachment plate
- 2 central steel structure
- 3 M30 anchoring rods
- 4 concrete block



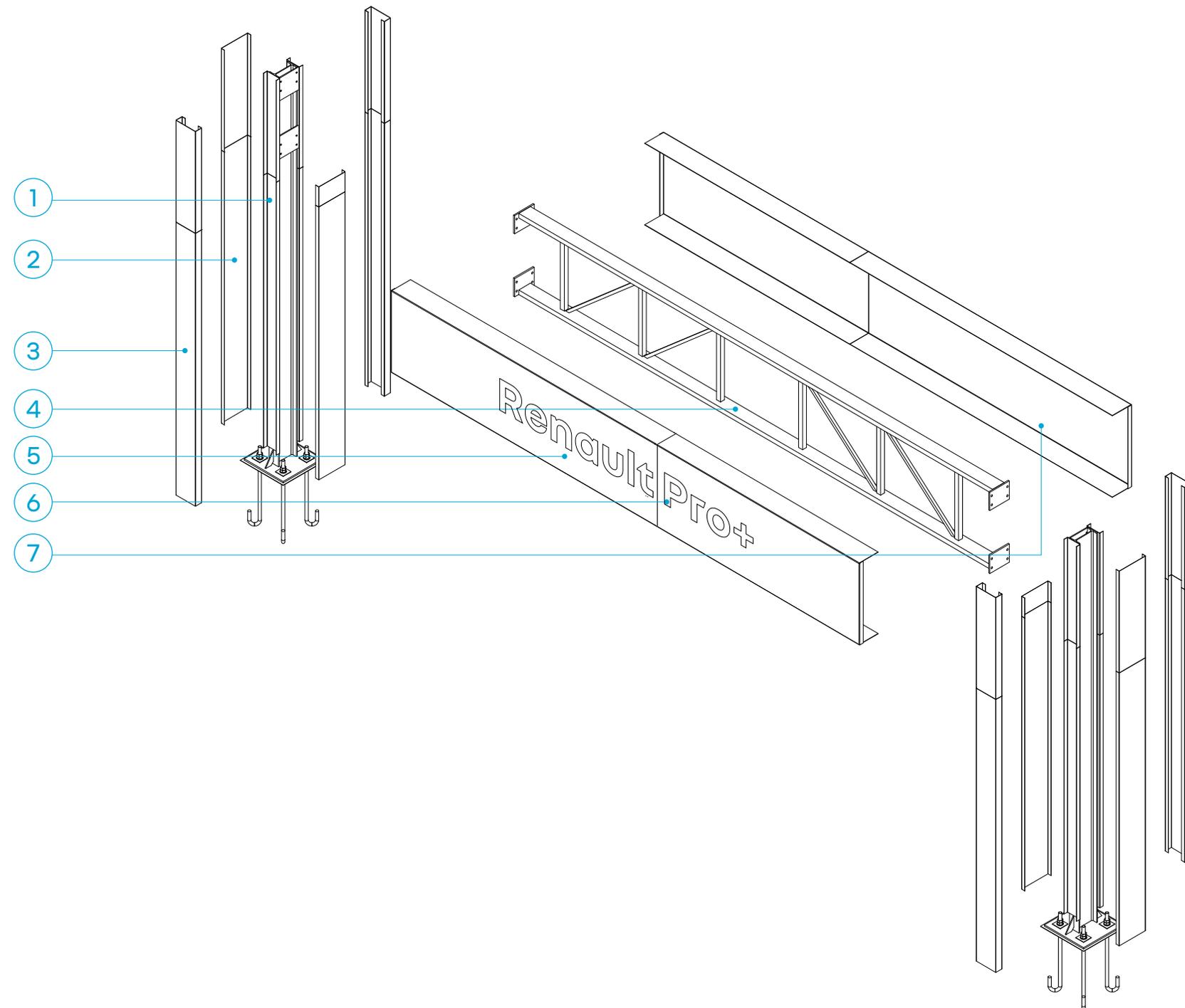
4.2.7 arch sign - exploded view

principle

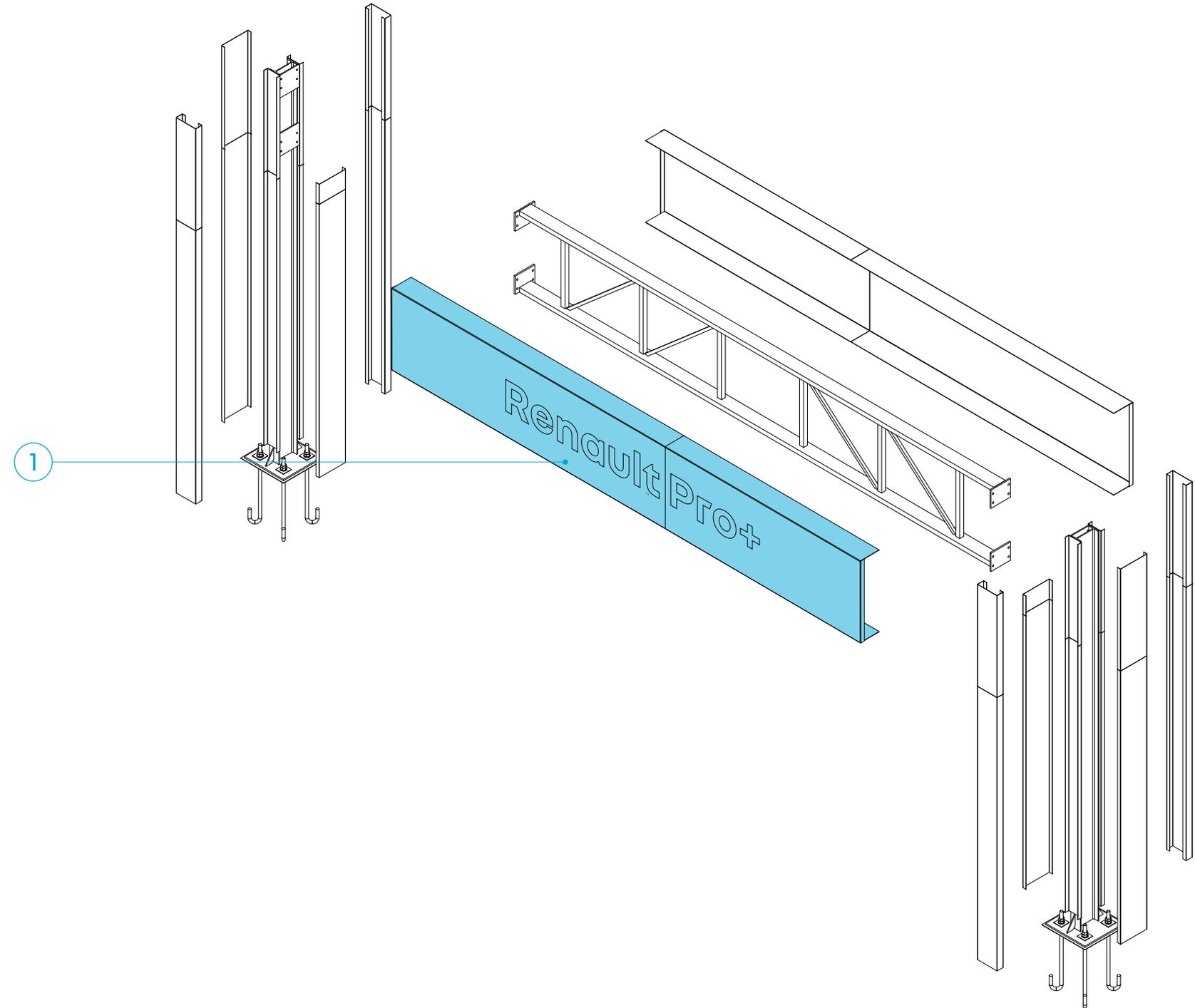
The drawing opposite presents the method for manufacturing the arch.

key

- 1 vertical galvanized steel frame
- 2 cladding of the edge of the posts in RAL 7021 dark grey aluminium sheeting with 40% gloss
- 3 cladding of the structure in pre-lacquered RAL 7021 dark grey aluminium sheeting with 40% gloss
- 4 horizontal galvanized steel framed with poles
- 5 front panel in pre-lacquered RAL 7021 dark grey aluminium sheeting with 40% gloss
- 6 lettering in light-diffusing white PMMA pasted on the back of the front panel
- 7 back panel in pre-lacquered RAL 7021 dark grey aluminium sheeting with 40% gloss



4.2.8 arch sign - retrofit of an existing arch



principle

It is recommended to retrofit the existing archs.

For this, it will be necessary to remove the front face (including lighting) and to replace it on site with new elements with the new complete signature.

key

- 1 front panel in pre-lacquered RAL 7021 dark grey aluminium sheeting with 40% gloss with Renault Pro+ signature in white PMMA

4.3.1 area mast - general view

description

The area masts are made up of two aluminium half-panels with raised edges mounted on an aluminium frame.

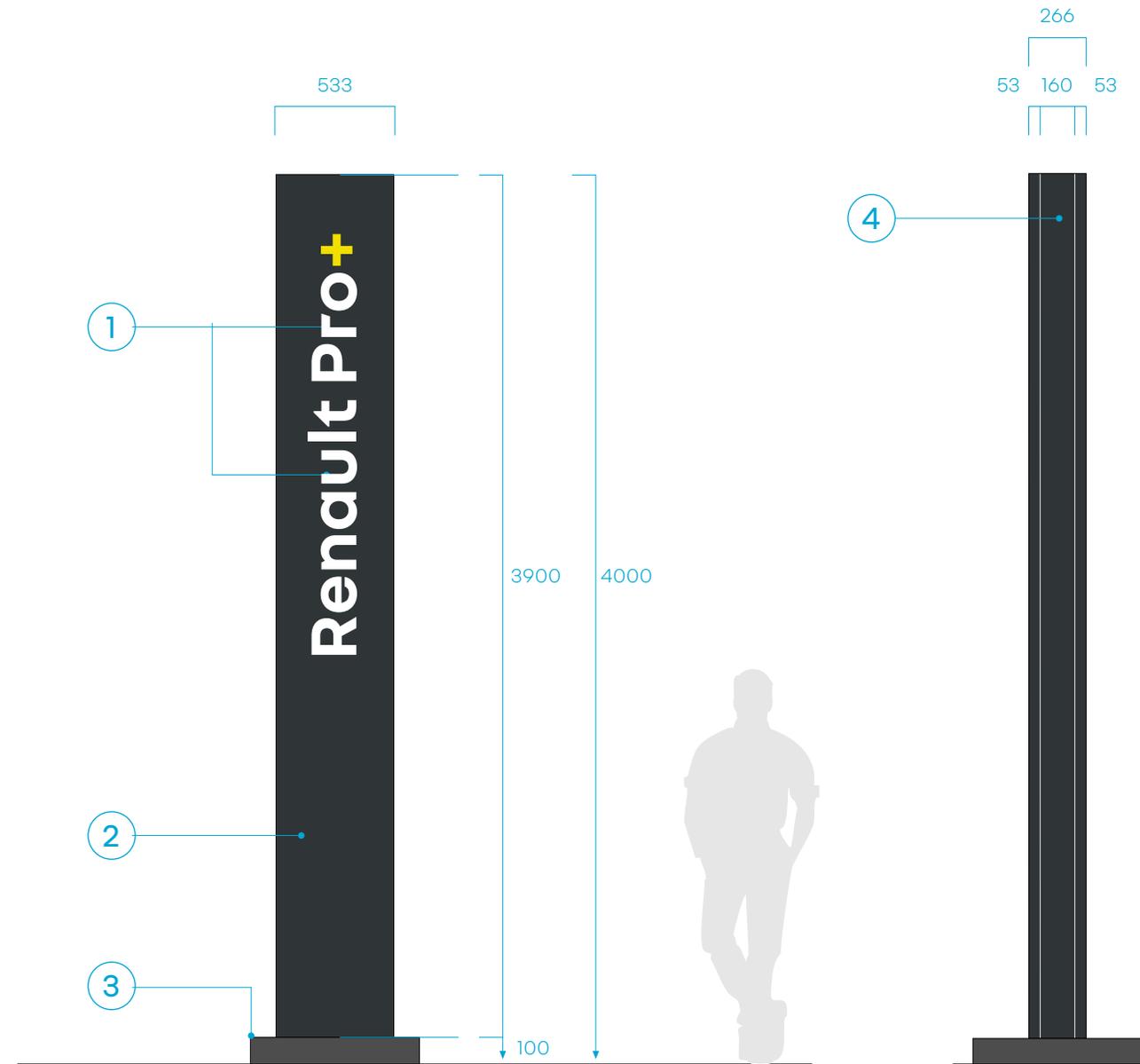
The edges are closed off by a sheet with raised edges that clicks into the structure (invisible fastenings)

The masts are anchored to concrete blocks with anchoring poles or chemical anchor bolts.

The finishing is completed by an attachment plate concealer.

key

- 1 markings on the panel
- 2 panel in pre-lacquered aluminium sheeting (one piece), RAL 7021 dark grey
- 3 attachment plate concealer RAL 7021 dark grey pre-lacquered aluminium sheeting, 15/10 mm thick
- 4 pre-lacquered aluminium sheet edges (one piece), RAL 7021 dark grey



4.3.2 area mast - lighting

principle

Area masts can be illuminated or non-illuminated as required:

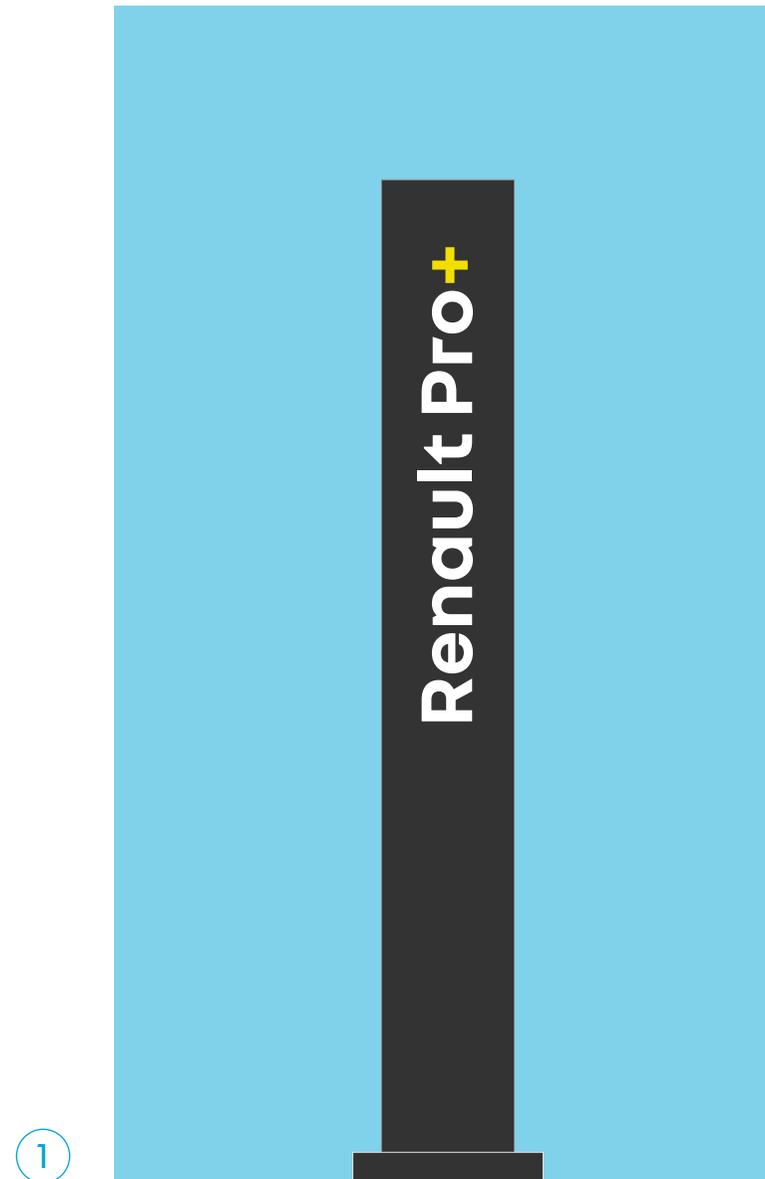
Only the front side of the illuminated area masts is illuminated. The lettering is in white, light-diffusing PMMA.

The trim is to be done in marquetry (PMMA flush to the surface) for the word Renault Pro+.

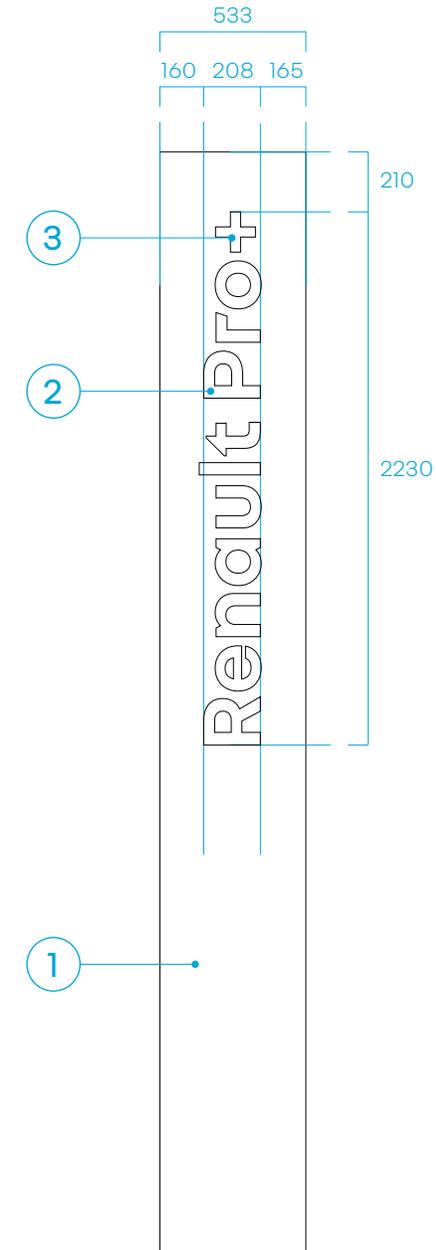
Non-illuminated back panel receives an adhesive decoration.

key

- 1 day view
- 2 night view



4.3.3 area mast - outlines of faces



key

- 1 panel in aluminium sheeting (one piece), pre-lacquered RAL 7021 dark grey
- 2 lettering in White, 50%-light diffusing PMMA or white adhesive,
- 3 "+" in Pantone yellow 3955 C, diffusing PMMA or yellow adhesive.

4.3.4 area mast - anchoring

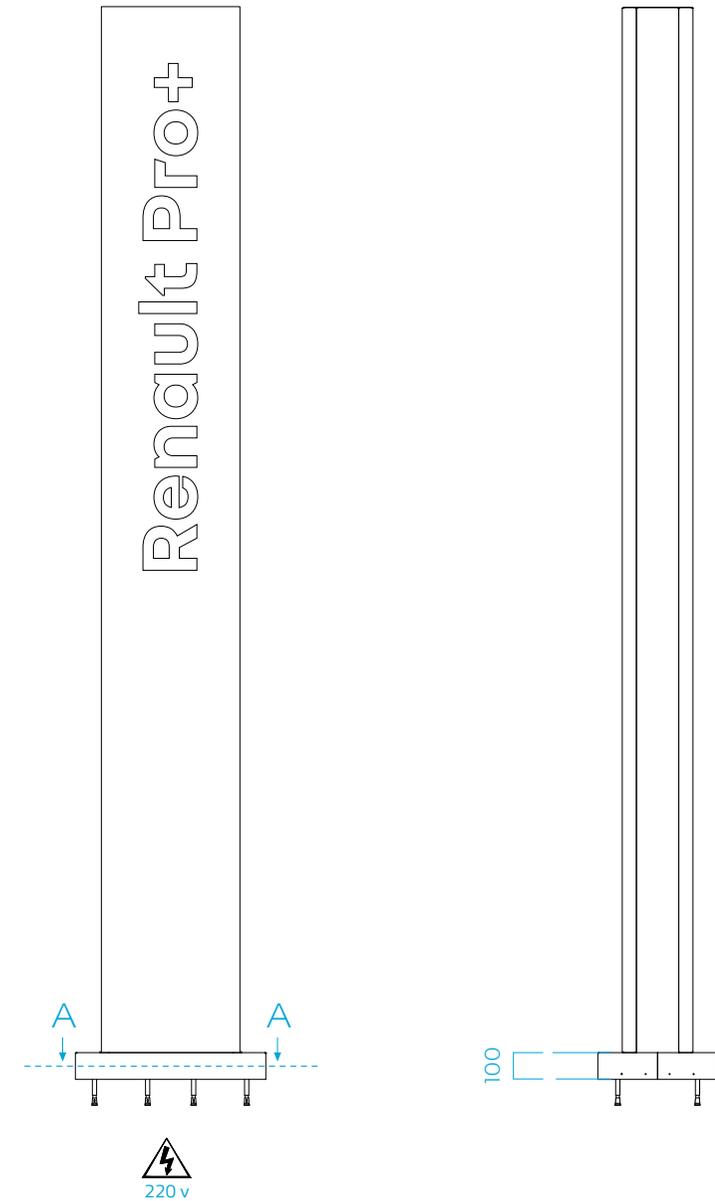
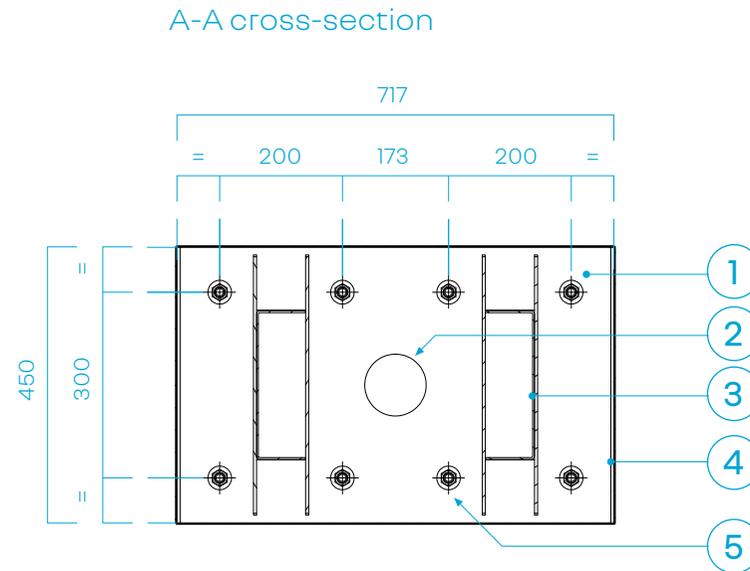
ground attachment system

The sign is anchored to the ground via one plate fitted with 4 x M16 anchors. The attachment plate has a hole drilled at its centre for the routing of the underground power supply.

The assembly is covered with an attachment plate concealer allowing access to fastenings in order to facilitate replacement in case of damage.

key

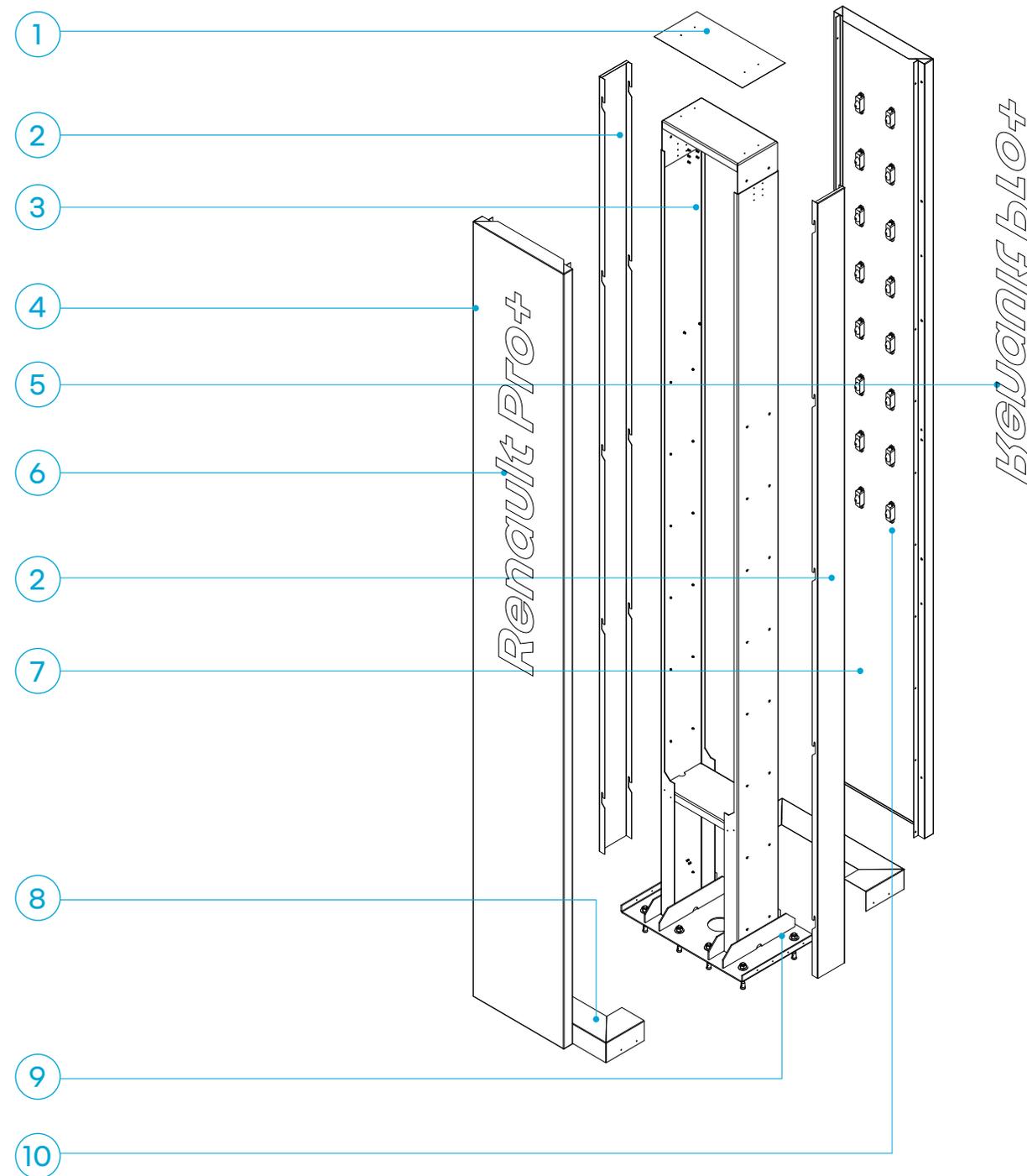
- 1 aluminium plate
- 2 drilled hole for power supply routing
- 3 central aluminium structure
- 4 aluminium attachment plate concealer
- 5 steel anchor M16



4.3.5 area mast - exploded view

key

- 1 aluminium cover, same colour as front and rear, RAL 7021 dark grey
- 2 pre-lacquered aluminium sheet edge, RAL 7021 dark grey
- 3 unfinished aluminium sheet structure
- 4 pre-lacquered aluminium sheet front panel with raised edges comprising internal cutaways to avoid light leakage
- 5 adhesive marking of the back panel
- 6 lettering in white and yellow PMMA
- 7 rear panel identical to front panel with adhesive markings
- 8 attachment plate concealer in RAL 7021 grey pre-lacquered aluminium sheet, comprising 2 half-cowlings secured laterally with stainless steel fixing elements
- 9 unfinished aluminium plate with lateral pleats welded to upright structure and gusset plates
- 10 chain LED and converter



4.3.6 area mast - lighting performances

description

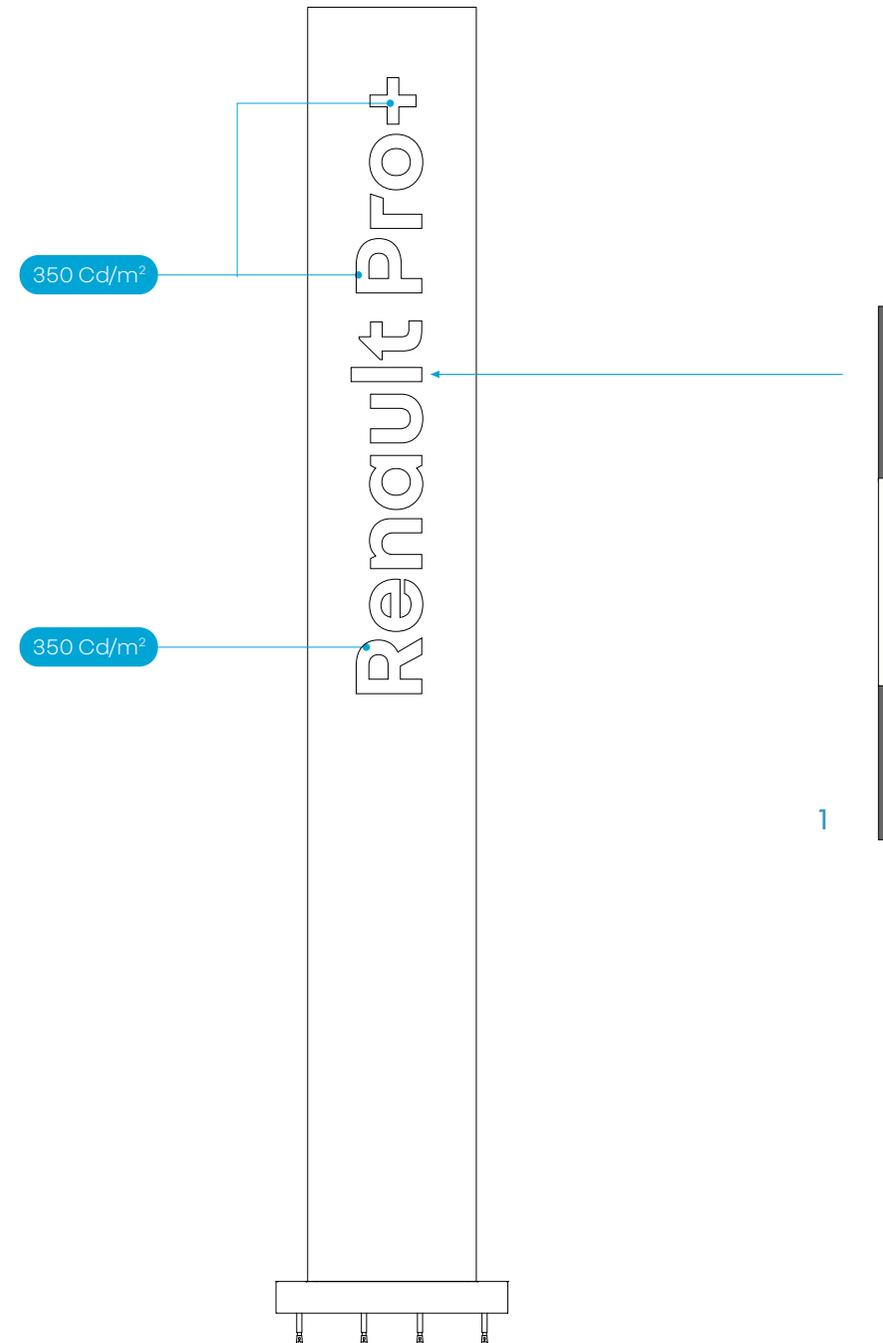
Illumination of the front and rear by chain LEDs mounted perpendicular to the panels.
The converter is attached to structure so as to be easily accessible.

performances

Chain LED with minimum IP65 protection.
Temperature: 6,500° K Cool White.
Mean luminance: 350 cd/m² for white.
The warranty for all LED lighting systems and parts is 5 years, subject to compliance with conditions of use and maintenance.
Light output reduced by 50% after 50,000 hours operation.
Minimum guaranteed lifetime: 50,000 hours
Approximate power: 30 watts.
Supply: 220 volts
12 volt converter with regulated voltage, IP 68 protection.

key

1 PMMA in marquetry



4.3.7 area mast - retrofit principle

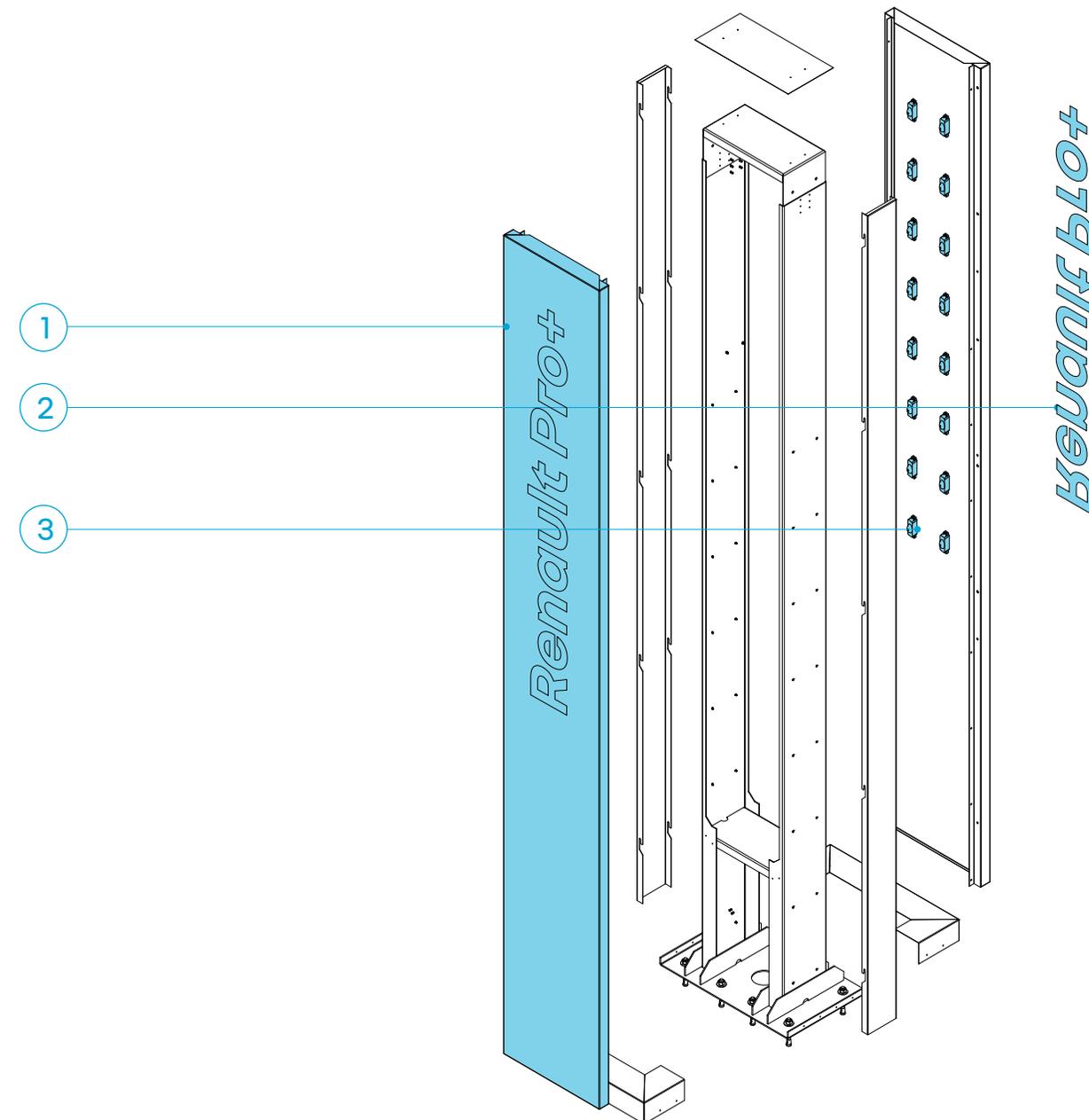
principle

It is recommended to update the existing area masts.

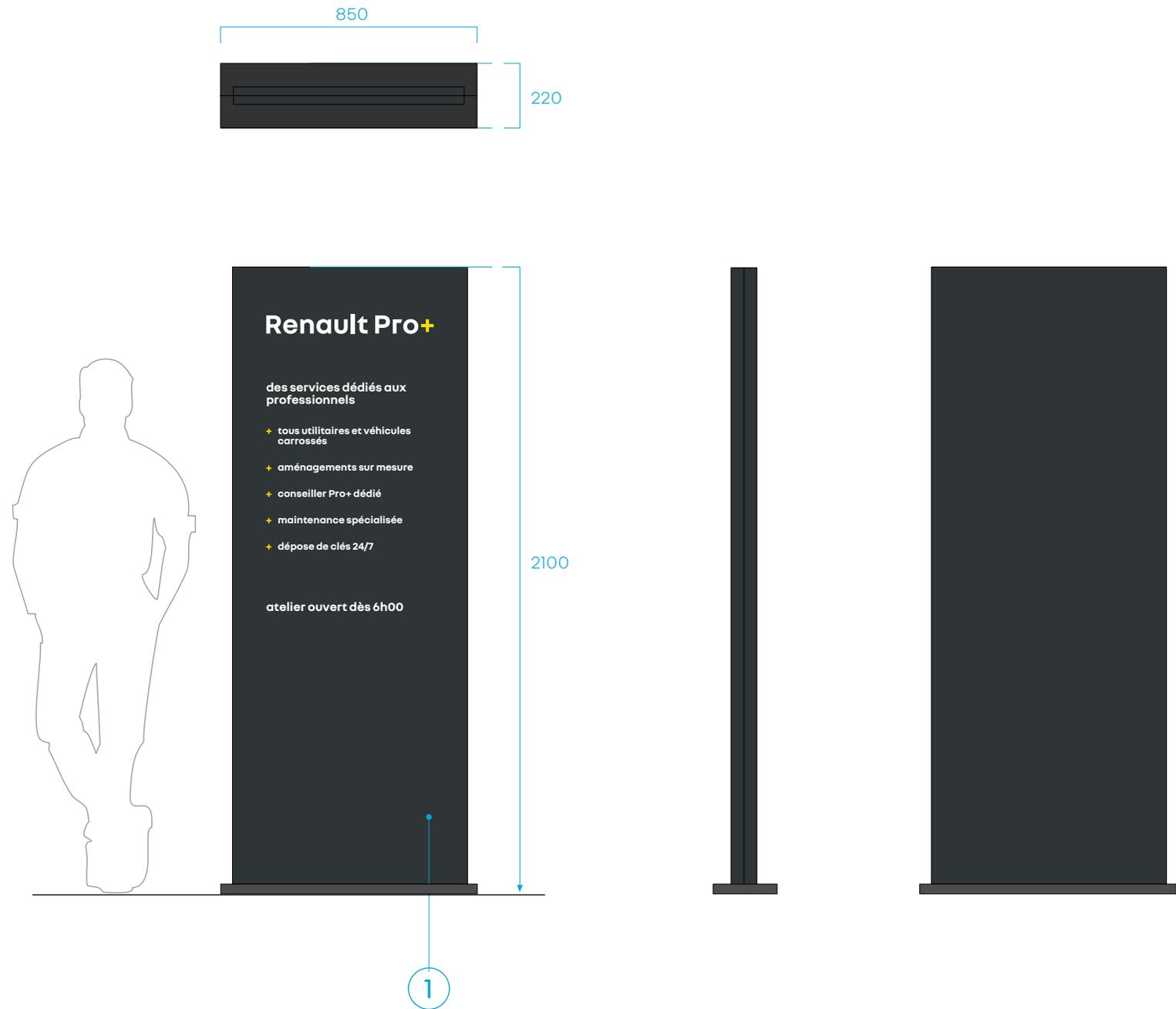
To do this, it will be necessary to remove the front panel (including the lighting) and replace it on site with new elements bearing the new signature.

key

- 1 front panel with dropped edges in pre-lacquered aluminum sheet with interior returns to prevent light leaks
- 2 adhesive decoration on the back face
- 3 LED chain and converter



4.4.1 customer promise panel - description



principle

This sign displays a message explaining the Renault Pro+ customer promise.

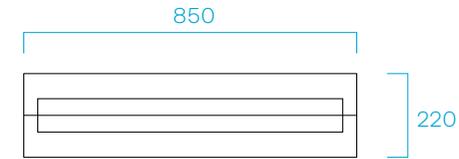
This sign is installed close to the entry to the exterior display area.

The content is to be adapted by the Country with the approval of the Renault Pro+ corporate.

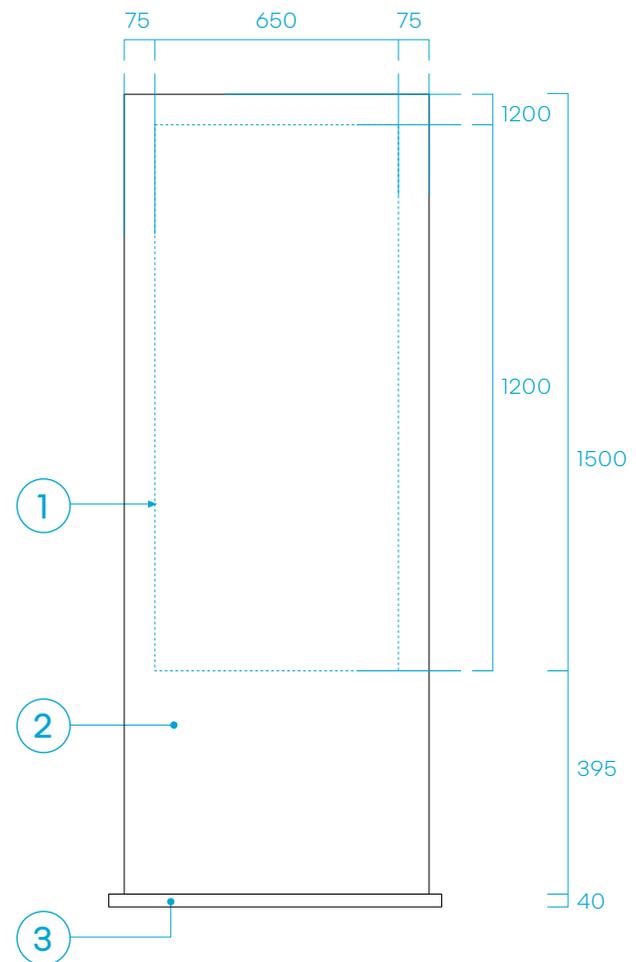
key

- 1 front face with an example of customer promise

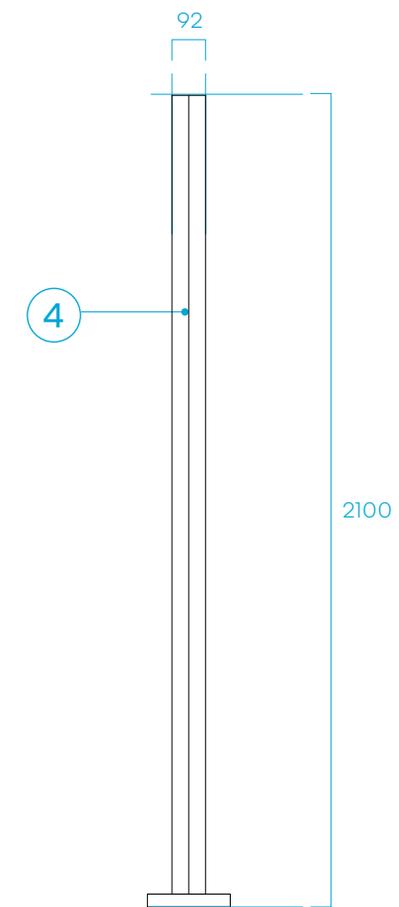
4.4.2 customer promise panel - details



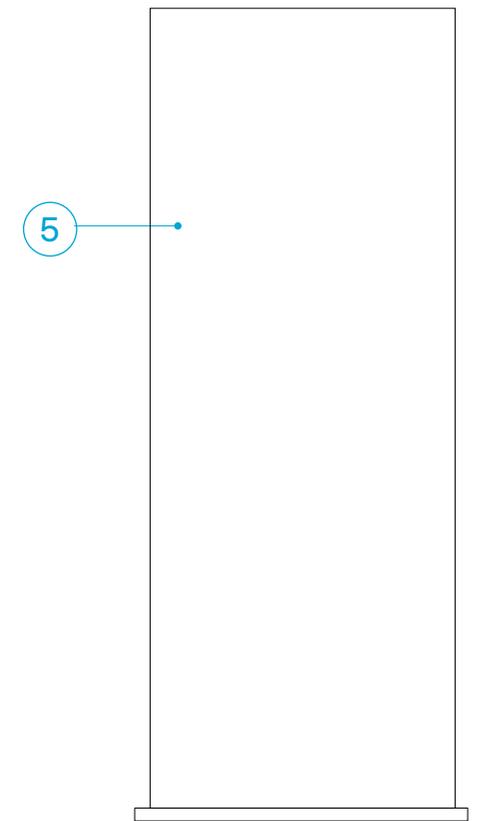
TOP



FRONT



SIDE



BACK

key

- 1 limit of text and image
- 2 front face in aluminium sheeting covered with white printed adhesive
- 3 RAL 7021 dark grey satin finish background
- 4 sides in aluminium sheeting
- 5 back in aluminium sheeting

4.4.3 customer promise panel - anchoring

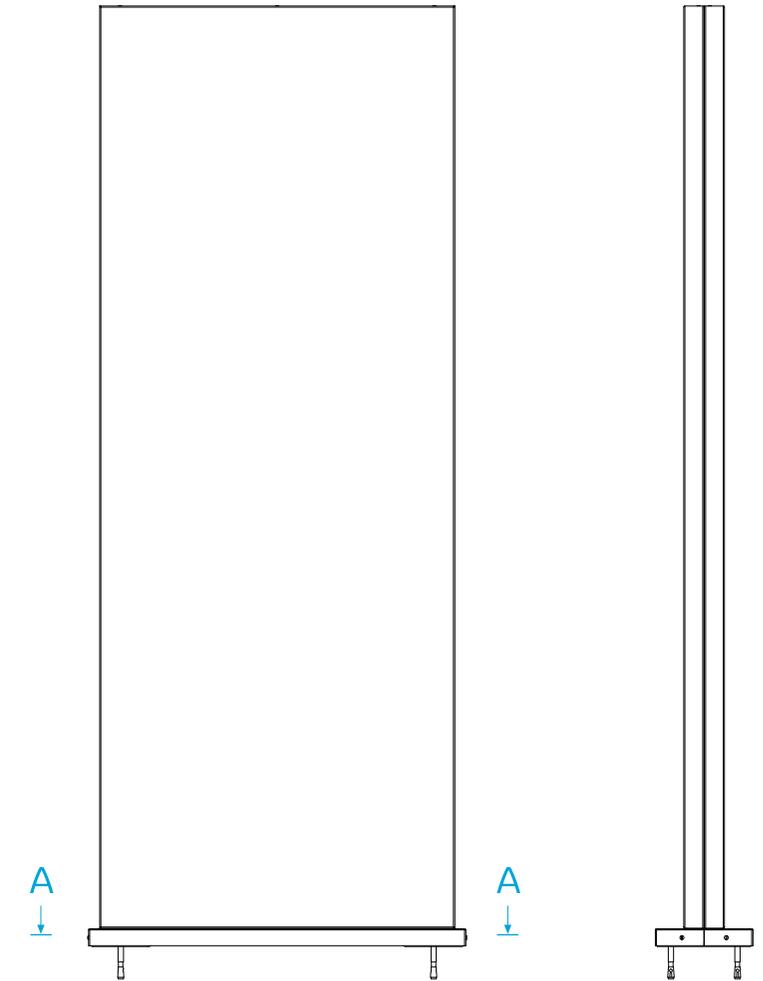
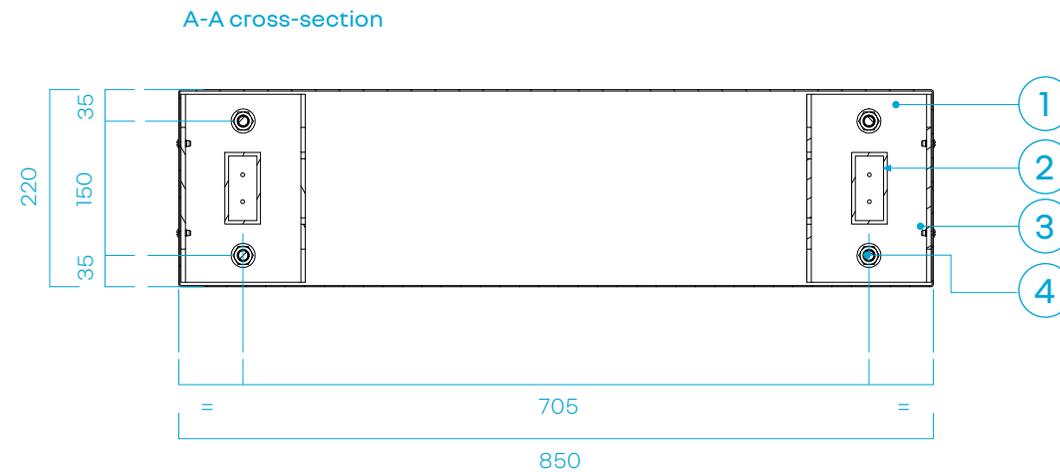
ground attachment system

The sign is anchored to the ground via two plates fitted with two M12 anchors.

The assembly is covered with a attachment plate concealer allowing access to fastenings in order to facilitate replacement in case of damage.

key

- 1 aluminium plate
- 2 central aluminium structure
- 3 aluminum attachment plate concealer
- 4 steel anchor M12



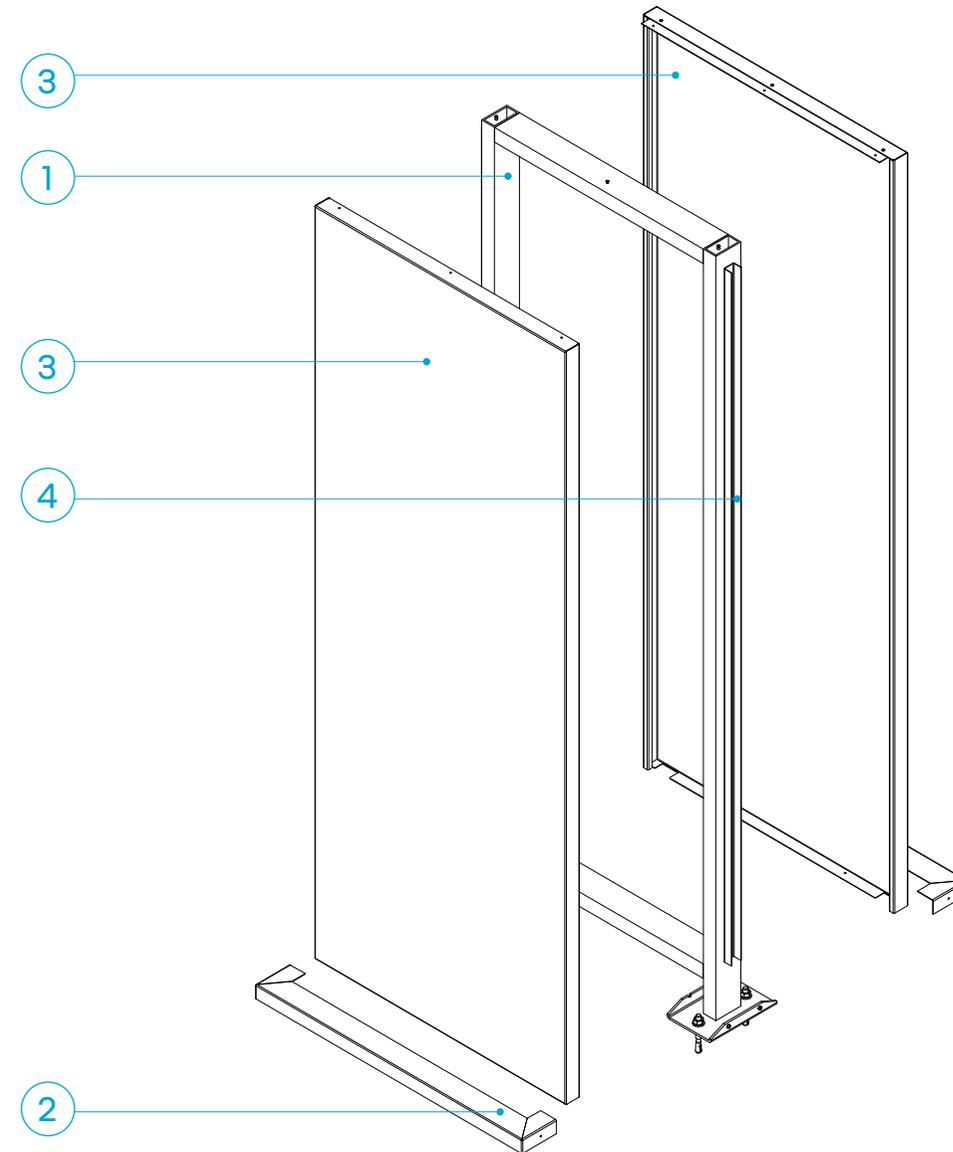
4.4.4 customer promise panel - exploded view

principle

The drawing opposite presents the method for manufacturing customer promise panel.

key

- 1 natural finish aluminium frame
- 2 attachment plate concealers in RAL 7021 dark grey aluminium sheeting with 40% gloss satin finish
- 3 panels in RAL 7021 dark grey aluminium sheeting with 40% gloss satin finish
- 4 natural finish aluminium profiles



4.4.5 customer promise panel - retrofit principle

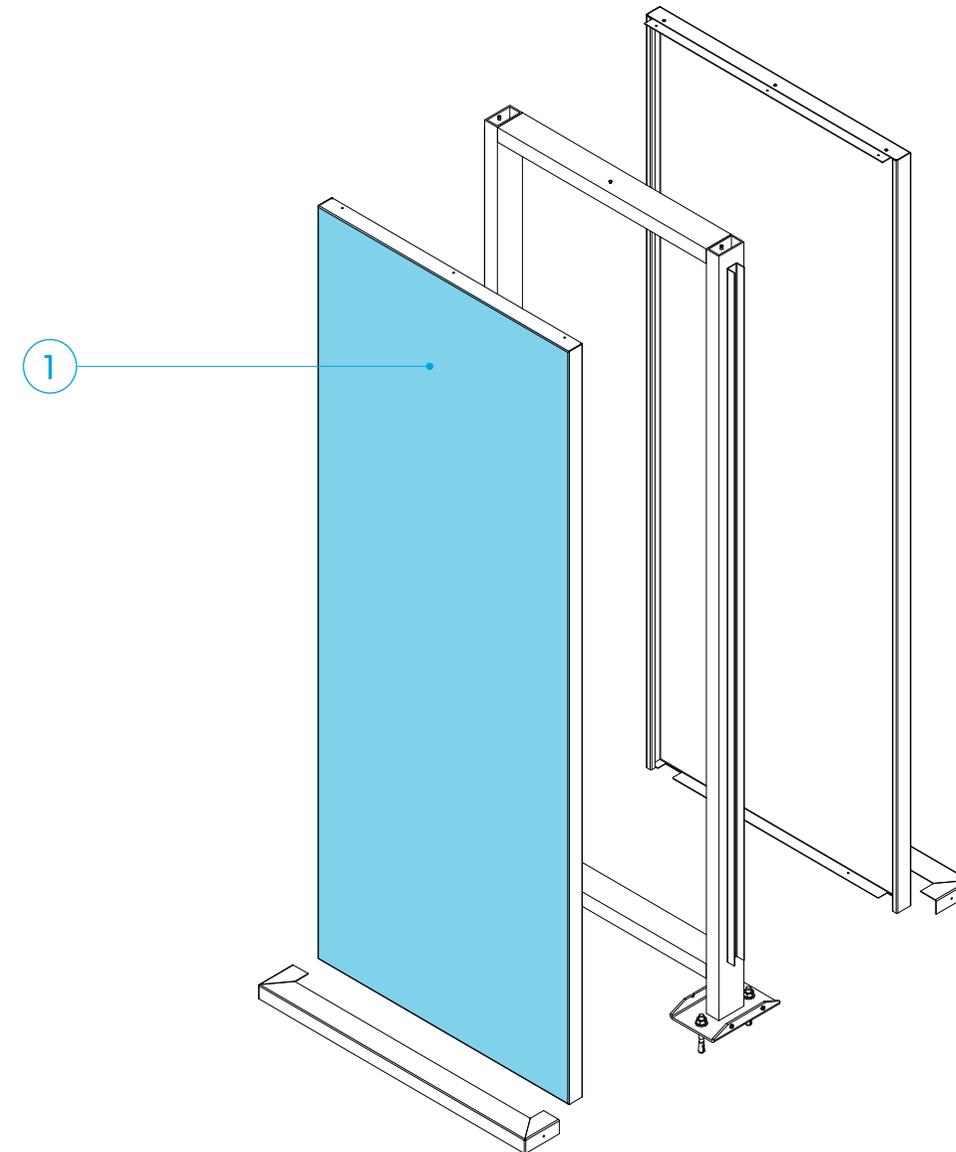
principle

It is recommended to update existing customer promise signs.

To do this, it will be necessary to remove the front panel (including the lighting) and replace it on site with new elements bearing the new signature.

key

1 adhesive decoration on the front side



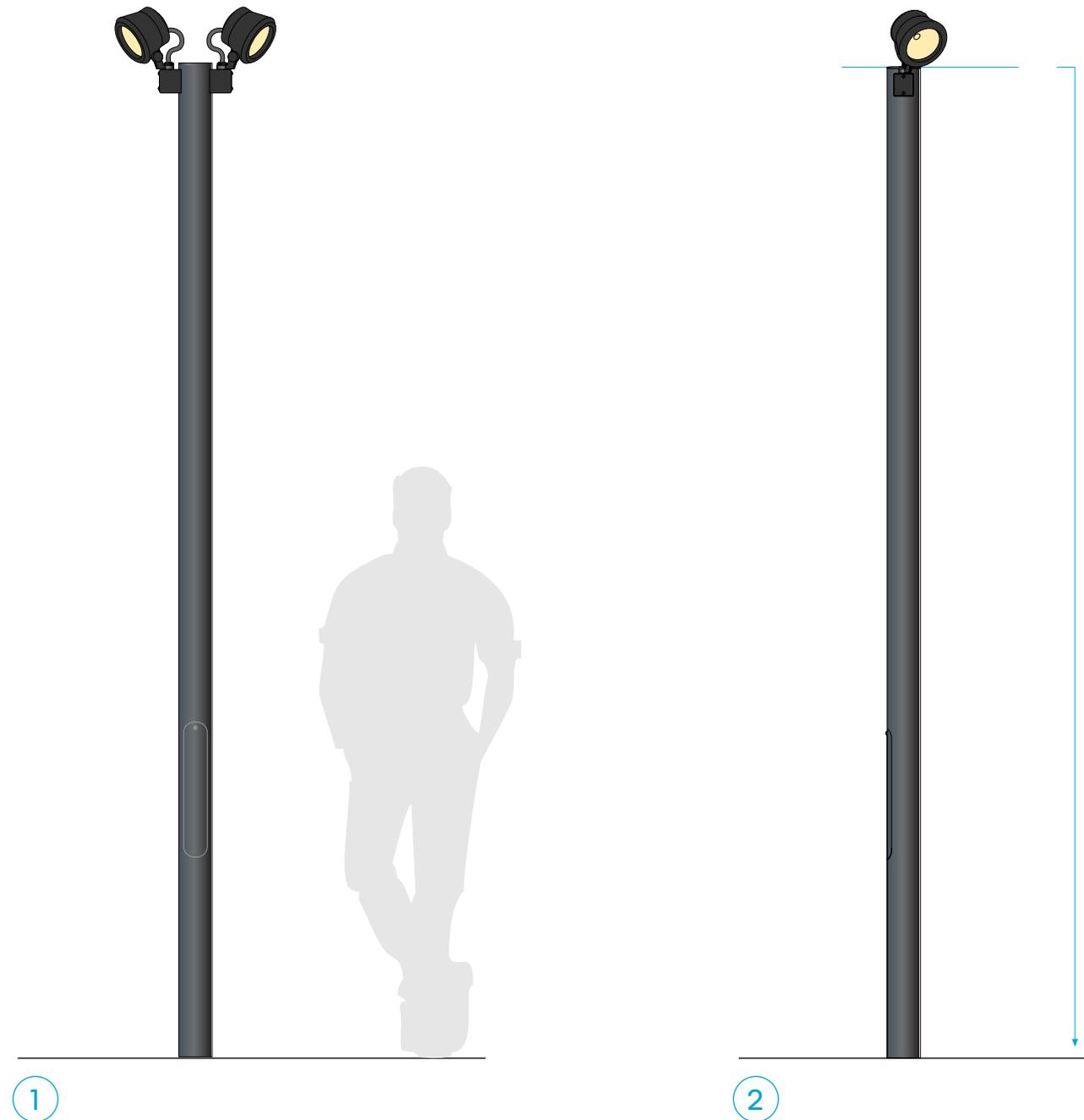
4.5.1 lighting mast - description

principle

As an option, display areas can be lit with LED spotlights mounted on 3m masts, directed towards the vehicles on display.

key

- 1 mast with 2 projectors
- 2 mast with 1 projector



4.5.2 lighting mast • characteristics of lighting



Example : BEGA ref. 77652



Example : YAKI LARVIK 60°

Details opposite are provided for information purposes. Variants may be proposed and put to Renault for approval.

characteristics

Wide-beam elliptical lens: > 50 °

Colour temperature: 4,000 K

Color rendering index: Ra > 80

Luminous flux of module: > 5,500 lm

Luminous flux of light unit: > 4,000 lm

Light source efficiency: >70 lm/W

Protection index: > IP 65

Energy consumption: 50 w per spotlight

Finish: Anthracite dark grey

Waranty period for all parts: 5 years

Light output reduced by 50% after 50,000 hours operation.

Minimum guaranteed lifetime: 50,000 hours.

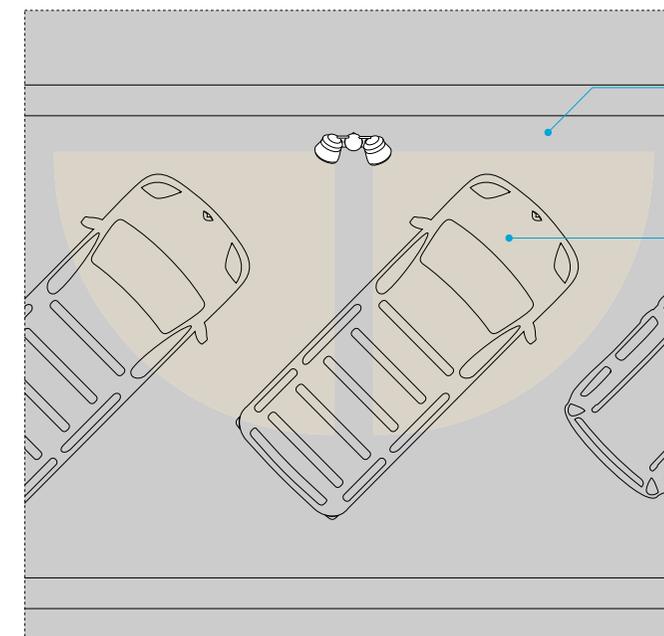
Supply: 220 volts



example : conic mast
BEGA ref. 70911

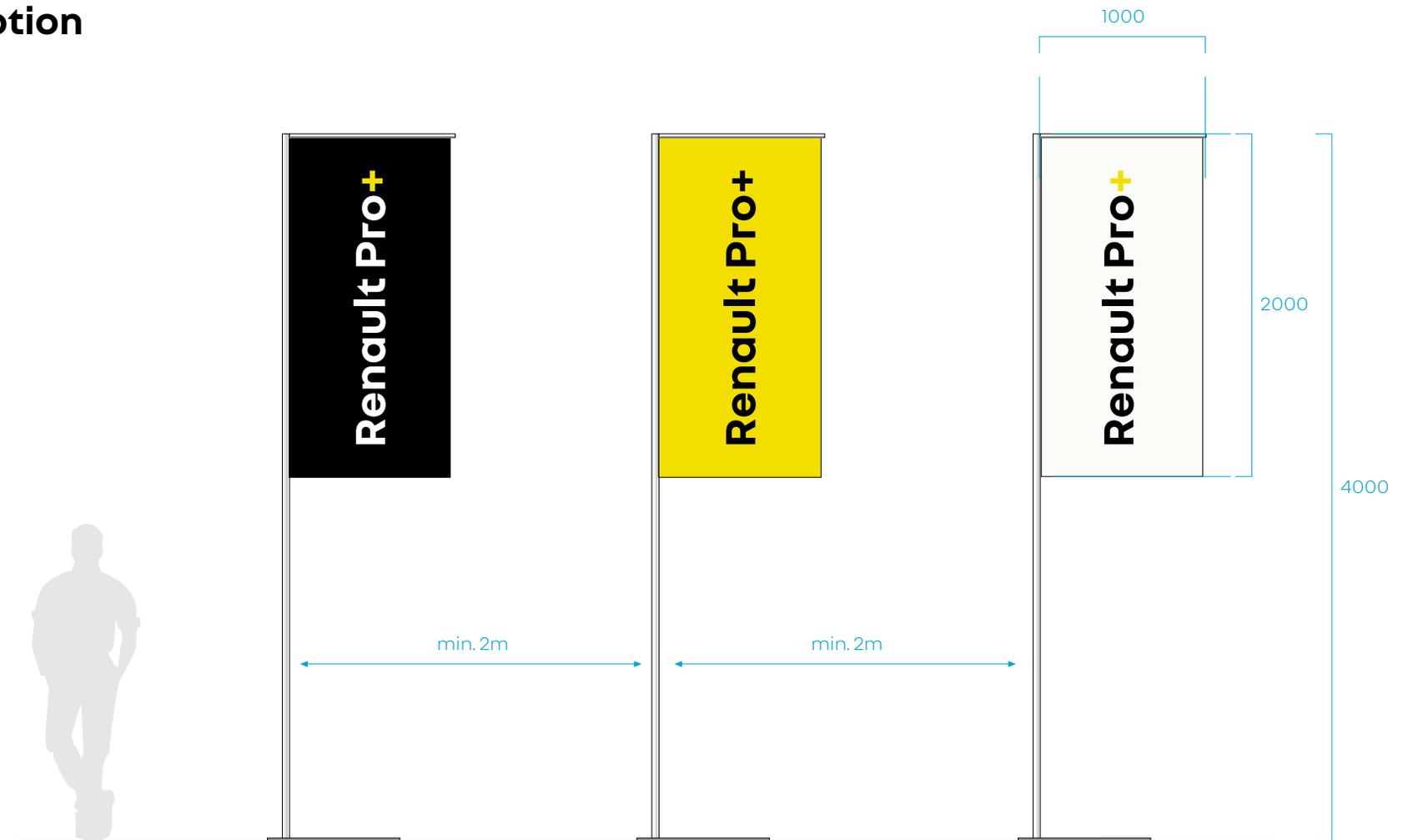


example : Steel mast
d.100 mm



illuminance levels

4.6.1 Renault Pro+ promotional banners - description



description

The standards participate in the animation of the outdoor exhibition area.

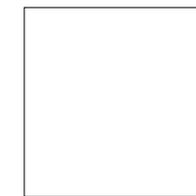
Order must be respected.



black ink

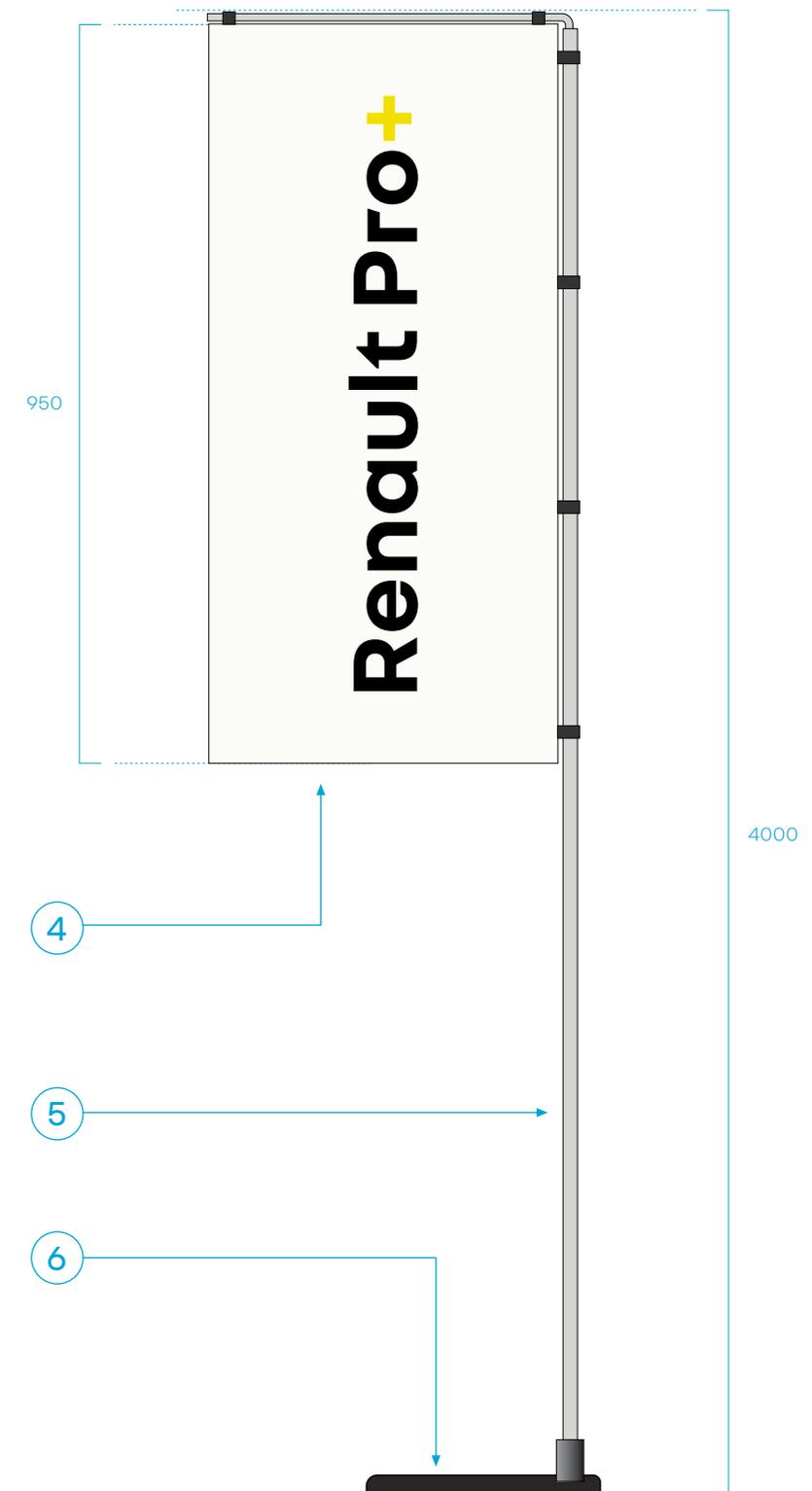
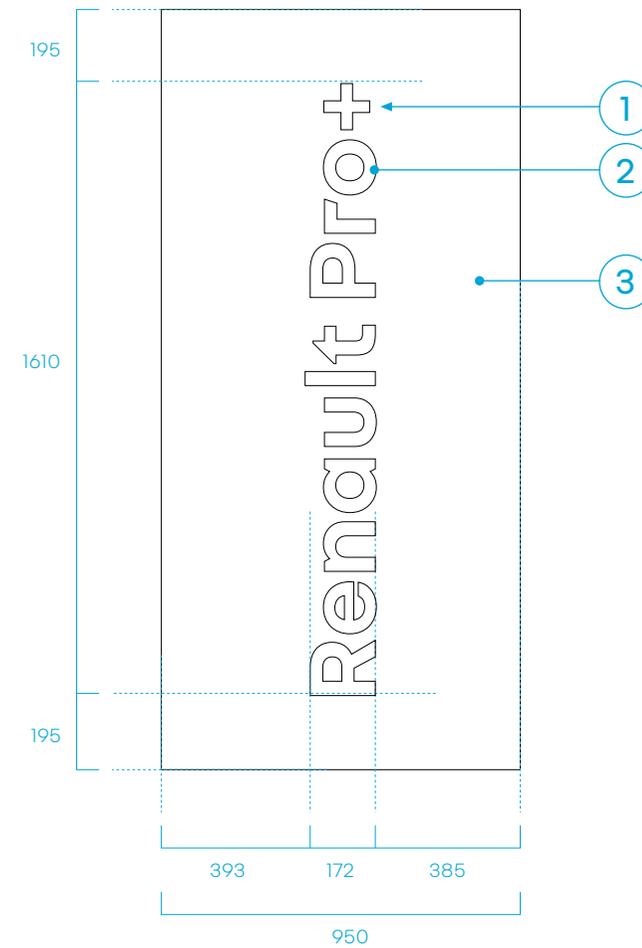


yellow pantone 3955 c



white polyester fabric

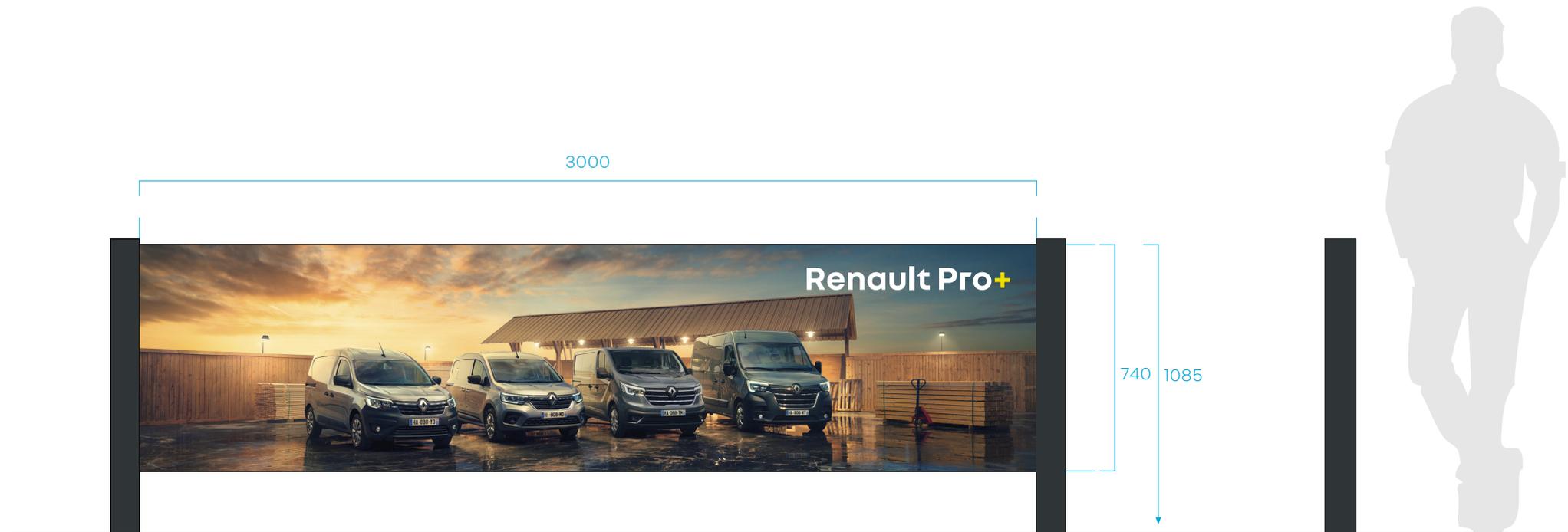
4.6.2 Renault Pro+ promotional banners - outlines



description

- 1 "+" in Pantone yellow 3955 C
- 2 signature printed in black
- 3 white background made with 115g/m² polyester fabric
- 6 banner.
- 5 telescopic aluminium mast d. 30mm.
- 6 black base.

4.7.1 2m² tarpaulin - description



principle

The 2m² tarpaulin is held by 2 posts anchored to the ground by a concrete block.

A banner made of 450 g/m² PVC, incorporating 2 sewn vertical cords, is stretched taut between the 2 posts. It may be recto-verso printed if necessary.

The posts incorporate the tensioning system which can be accessed from the side. The banner is changed by removing the upper cover.

4.7.2 2m² tarpaulin - details

key

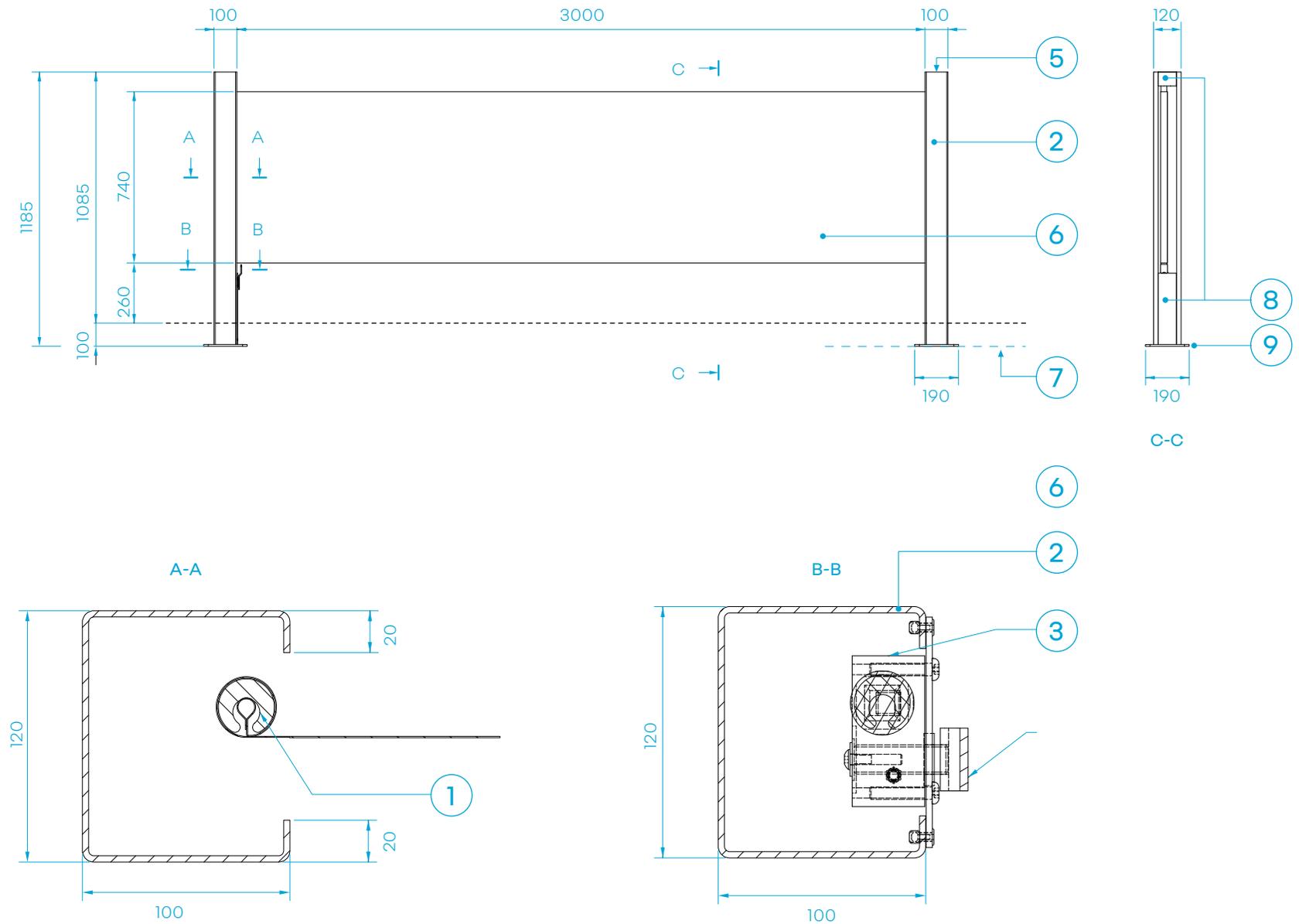
- 1 banner attachment system
- 2 pole in aluminum painted gray RAL 7021
- 3 tension system with retractor
- 4 cover made of aluminum sheet, ep. 2 mm, lacquered gray RAL 7021
- 5 crank
- 6 banner
- 7 ground level - 10 cm
- 8 aluminium inner cover lacquered RAL 7021 gray
- 9 aluminum platinum

Note.

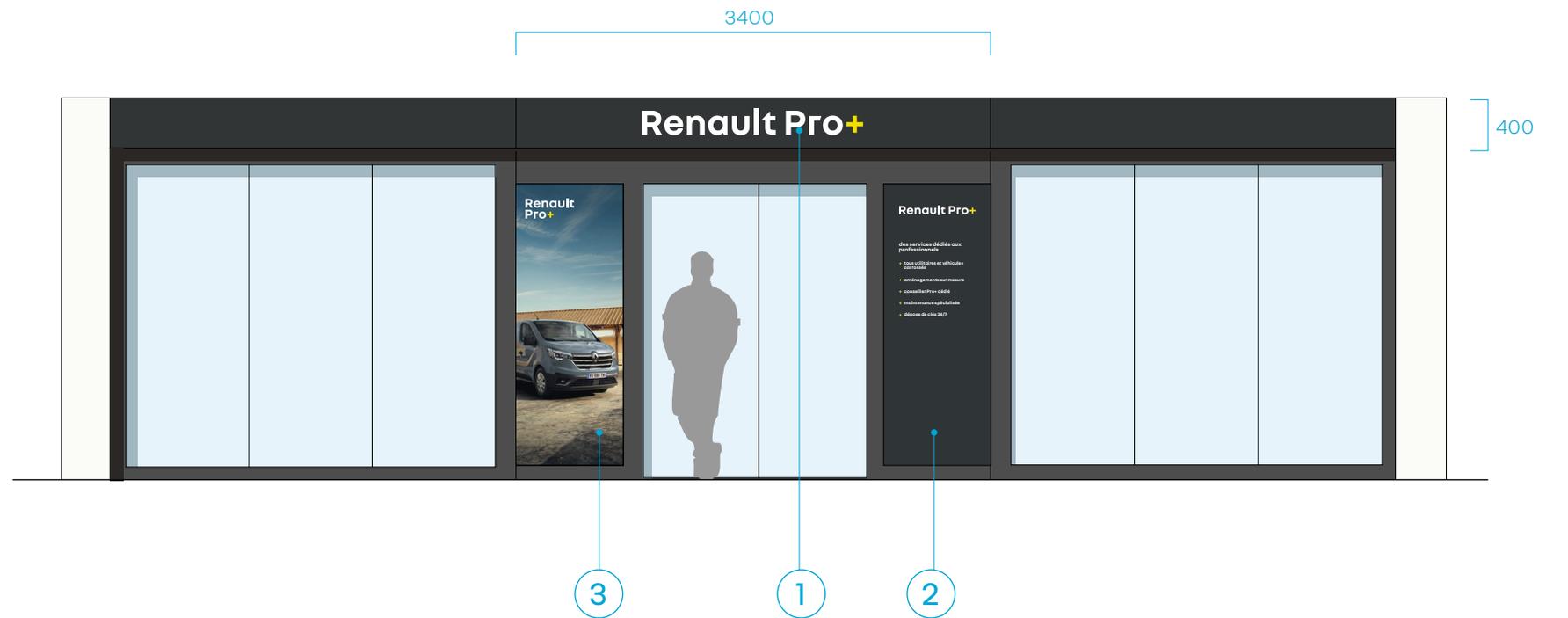
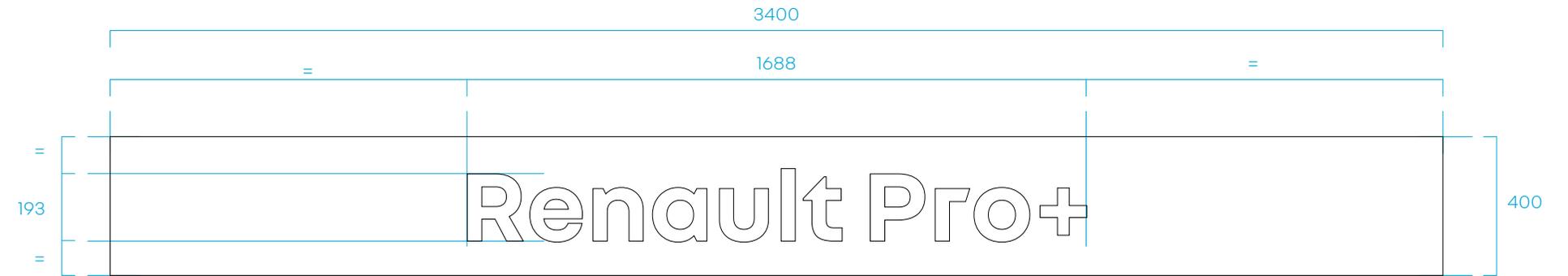
The described system is a standard product marketed by the Pommier company.

www.pommier.eu

An equivalent system can be used or developed by the signmaker.



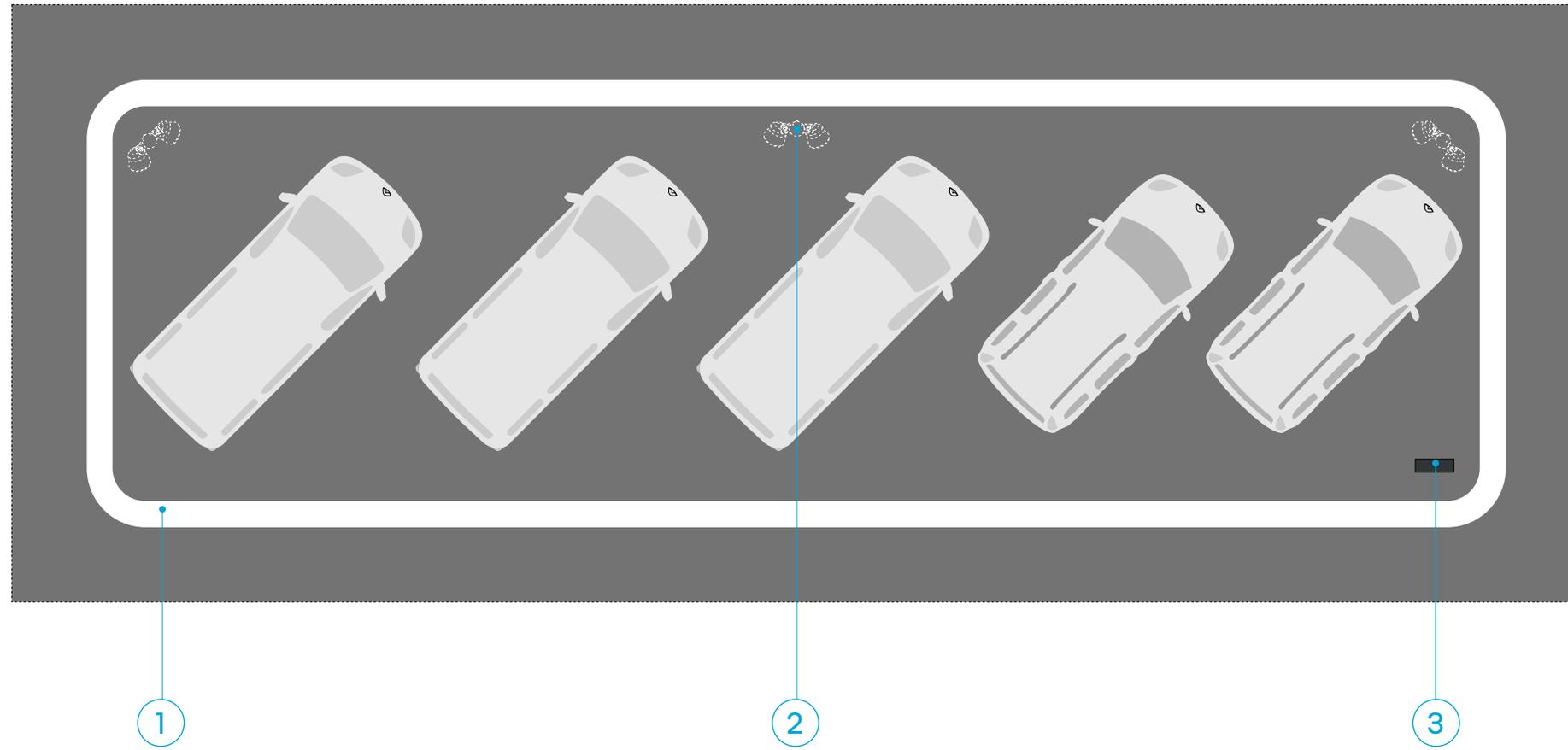
4.8 identification of sales area



key

- 1 Renault Pro+ signature centred on the frontage in adhesive white on a RAL 7021 dark grey background with a 40% gloss finish.
- 2 customer promise sign (visual to be defined).
- 3 promotional sign (visual to be defined).

4.9.1 exhibition area - presentation

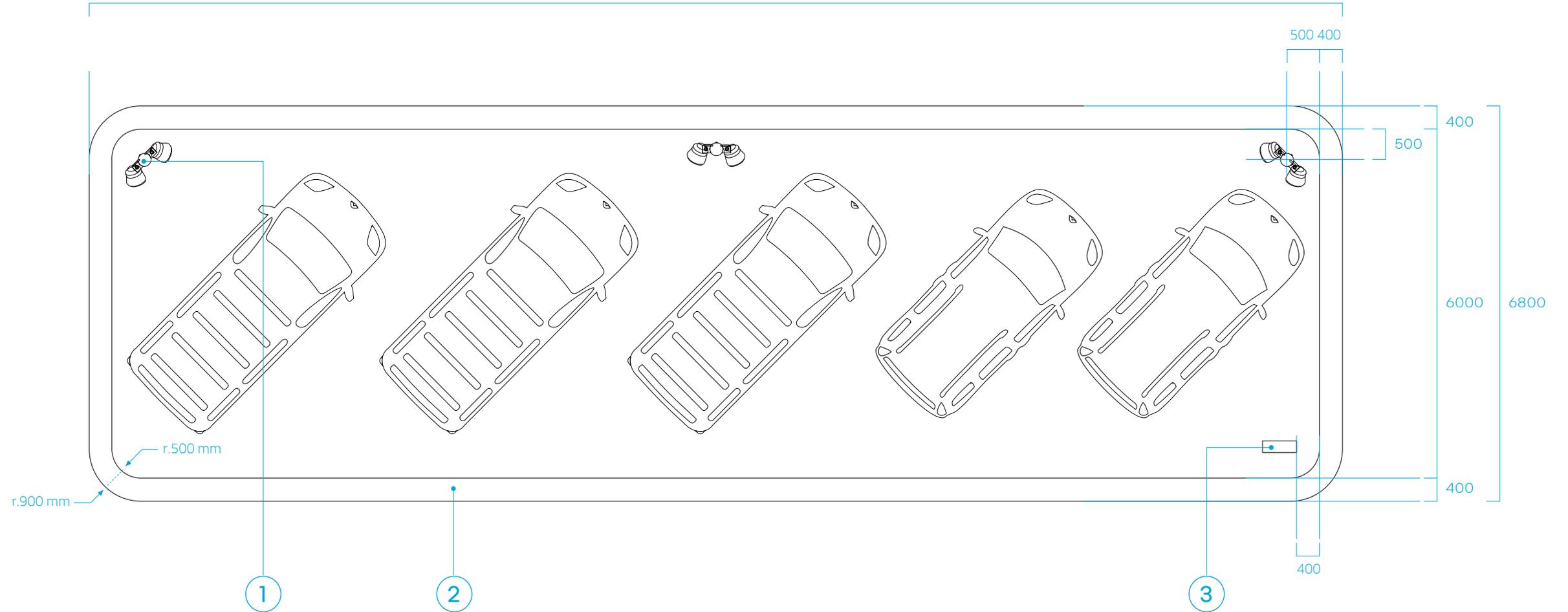


key

- 1 ground markings
- 2 optional lighting mast
- 3 area mast

4.9.2 exhibition area - ground markings

standard length according of the number of displayed vehicles: 14m, 18m or 22m



Principles

- The area mast is located on the showroom side. The illuminated side is always facing towards the road.
- The lighting of the areas is optional.

key

- 1 mast-mounted spotlight
- 2 ground marking in RAL 9003 white matt bi-component epoxy
- 3 area mast

5

technical requirements

general technical requirements

1.1 PREAMBLE

Renault expects all those involved in the "Renault Store" programme to meet their obligations in terms of results as per the requirements of the Technical Specifications. The general rules and specificities set out below are to be considered as the minimum necessary that has to be done to achieve the expected result.

1.2 SAFETY OF PERSONS AND PROPERTY

The supplier shall be able to provide proof that it has analysed the risks related to the services it is to provide and that its personnel and any sub-contractors have undergone sufficient training. Strict compliance with legislation in terms of safety and protection of workers is required.

1.3 RESPECT FOR THE ENVIRONMENT

Materials and methods which make it possible to reduce harm to the environment shall be used wherever possible (recyclable materials, energy-saving technologies, toxicity of materials and products used, etc.).

The supplier shall be able to provide proof that it has the various administrative permits (operating permit, environmental permit) necessary to manufacture the various items of equipment and that it complies with the operating conditions required by the legislation in force or by the specific operating conditions in the countries concerned.

A global approach such as the ISO 14001 standard is recommended.

1.4 QUALITY

The supplier shall be able to provide proof that it works in accordance with ISO 9000 quality assurance standards, formal certification being particularly recommended in this regard. The signmaker shall attach a specific Quality Plan to its offer to assure Renault of its capacity to supply finished products and spare parts that are compliant with the contractual requirements, within the set time periods. It shall request its sub-contractors to do likewise.

The procedures applied must make it possible to:

- Be sure that the parts and products purchased, manufactured and supplied shall neither be used nor delivered before they have been checked and be recognized as compliant.
- Procedures shall be set out for identifying causes of non-compliance, which make it possible to provide sustainable solutions that can be applied more widely to resolve the non-compliance and prevent it reoccurring.

These operations shall be recorded in the appropriate documents and be approved by Renault prior to being applied more widely.

- Track changes in the quality of products and assembly and removal services using inspection and audit indicators (incidents, complaints, etc.).

This tracking shall result in preventive or corrective actions; they shall be approved by Renault before being applied.

1.5 COMPLIANCE OF MESSAGES AND COLOURS

Visuals must comply with the official images contained in this document.

All shades have a 40% satin finish unless specified otherwise. Particular attention should be paid to complying with the colour code.

Compliance with the tolerances for the L.a.b. is required.

general technical requirements

2.1.1 STANDARDS

The reference base to be followed for design and manufacturing shall, at the very least, be that required by Eurocode standards.

The regulations relating to the dimensioning of structures in force in each of the countries concerned shall be complied with taking climatic conditions into account.

The following obligations in terms of results must be met:

- Supported under their own weight, the equipment must appear perfectly horizontal and vertical.
- The parallel alignment of separate elements must be observed.
- Under normal wind conditions (Cf. NV65 and NF EN1991-1-4 (Eurocode 1)), the permissible bend between the fastening and the point most distant from the fastening (dimension "d") shall not exceed $d/100$.

2.1.2 CLIMATIC CONDITIONS

Wind loads to be considered for the design of structures shall be taken from the Eurocode 1 rules (EN 1991-1-3): zones 4 (28 m/s), roughness IIIb, force coefficient equal to 1.80. Any structure situated in an unfavorable geographical area with regard to this load case shall be subject to a special design basis in order to meet the applicable standards.

2.1.3 DESIGN RULES

2.1.3.1 ALUMINIUM STRUCTURES

Design rules for aluminium structures - most recent edition of DTU rules (currently, July 1976).

Applicable standard for the execution of structures: NF EN 1090-2 and Eurocode 9.

2.1.3.2 STEEL STRUCTURES

Design rules for steel structures CM 66 » - most recent edition.

Applicable standard for the execution of structures: EN 1093 and Eurocode 3.

2.1.3.3 CONCRETE BLOCKS

Concrete blocks shall be of "weight" type with minimum reinforcement.

The concrete to be used shall have an ordinary Portland cement (OPC) content of 400 kg/m³ (s'28=300 bars - s28=25 bars).

2.1.3.4 DESIGN CALCULATIONS FOR PLASTIC ELEMENTS

Adapt the CM 66 rules using a safety coefficient of 2 for the stresses.

2.1.4 MATERIALS

2.1.4.1 GENERAL REMARKS

The materials used shall all be first-choice materials suitable for their envisaged use and they shall be used in accordance with the rules of best industry practice for the profession and in compliance with the standards and regulations in force in France and in the Countries in which they are intended to be used.

The materials used shall not have any defect that is likely to compromise the durability of the structures. The equipment shall be easy to clean, maintain and service.

The materials shall be capable of withstanding harsh climatic conditions such as rain, snow, hail, condensation, dust and salt spray.

Operation must be guaranteed between - 20 and + 80 ° C.

general technical requirements

2.1.4.2 STEELS

Steels shall be either "hot finished" as per NF EN 10210 or "cold finished" as per NF EN 10219-1 and 2. The quality of the steels shall be stated on the production drawings and it goes without saying that the mechanical properties of the different types of steels must be taken into account for stability calculations.

All elements shall be manufactured in a covered, sheltered location.

After machining, welding, drilling, notching, etc. the elements shall be prepared prior to anti-corrosion treatment: brushing of welds, careful deburring, cleaning, shot peening and sand blasting.

The anti-corrosion treatment shall be performed by hot galvanization of a minimum of 80 µm and shall provide fault-free protection for at least the period of the ten-year guarantee.

No machining may be carried out once the parts have undergone anti-corrosion treatment.

All fasteners and hardware (including hinges) shall be made of 18/10 stainless steel (NFE 25.033).

2.1.4.3 ALUMINIUM

The reference standard is NF EN 573-1. Parts used in a supporting structure shall be chosen from the "6000" series. For parts which are not used in a supporting structure, the "1000" series shall be acceptable.

The alloys are to be weldable.

The parts shall be carefully deburred and the welds shall be brushed before any protective treatment.

The visible parts of equipment shall be treated by the application of paintwork performed according to a "Qualicoat"-type procedure.

2.1.4.4 PMMA

The PMMA shall meet at least the following characteristics:

	Flat parts machined	Flat parts unmachined
· Opal white (values for a test piece of 3mm thick)	"cast" PMMA	"extruded" PMMA
· Tensile strength	> 75 MPa	> 70 MPa
· Bending strength	> 130 MPa	> 120 MPa
· Bending modulus	> 3,250 MPa	> 3,000 MPa
· Unnotched CHARPY impact test strength	> 12 MPa	>10 MPa
· Expansion	<1 mm/1 m/10°C	<1 mm/1 m/10°C
· Light transmittance	> 50 %	>33 %

The thermoformed panels shall be made of white, light diffusing, extruded PMMA in compliance with the sheet manufacturer's heating parameters.

Where parts made of PMMA are more than 100 cm high, they shall be hung from the top by an adhesive PMMA cleat.

The thickness of the sheets shall be calculated in compliance with the tensile strength standards set out above.

2.1.4.5 POLYCARBONATE

The polycarbonate sheet shall meet at least the following characteristics:

- Uncoloured appearance
- Density > 1.2 g/cm³

general technical requirements

- Tensile strength: 60 Mpa
- Expansion < 0.7 mm/1 m/10°C
- Light transmittance > 90%

2.1.4.6 EXPANDED FOAM

These following characteristics must be met:

- Material 9010 white PVC
- Density > 50 g/cm³
- UV-stabilized: 14 MPa
- Shore hardness D > 75
- Expansion < 1 mm/1 m/10°C

2.1.4.7 PAINT

Painted parts must have an even appearance across their entire surface.

Defects such as pores, fissures, grains of dust, runs or waves of paint shall not be tolerated.

Samples of painted rough parts shall be tested and accepted by Renault, after having undergone the following tests performed by a certified body:

- Colour based on a LAB test with a MINOLTA 508 D colorimeter with D65 illuminant and the observer at 10° and specular component included (the tolerances in the CIELAB colour space are L +/- 1, a +/- 1.5, b +/- 1.5).
- Gloss at 40 °: based on a test according to NF T 30064 standard.
- Gloss at 60 °: based on a test according to NF T 30064 standard
- Adhesion: resistance to peeling based on grid test.

Class 1, as per P UW150 1. NF T 30038 standard

- Colour fastness:
QUV as per NF T 30036 after 200 hours of exposure.

Samples of each of the elements shall be supplied, upon request, to Renault for inspection.

2.1.5 ELECTRICAL EQUIPMENT

Assemblies with electrical equipment shall comply with the essential safety requirements of the European Union. Within this framework, the supplier shall obtain a certificate (for each type of equipment) which must clearly state the compliance of the assemblies, and thus of the components, with:

- requirements relating to the safety and protection of users and all other persons (directive 73/23/EEC without any lower voltage threshold)
- requirements relating to electromagnetic compatibility (directive 89/336/EEC).

The rating plate on each item of equipment shall display the CE mark indicating compliance with these requirements.

The regulations relating to low-voltage signage in force in each of the countries concerned shall be complied with taking climatic conditions into account.

In addition, the following requirements shall be met:

Electrical equipment shall be compliant with the standards in force from the series NFC 15-100, NFC 20-010 and NFC 20-030, NFC 71, NFC 32 for France and the IEC 60364 international standard.

general technical requirements

This concerns the following in particular:

- Category one electrical installations and low-voltage illuminated signage installations.
- The fire behaviour of electrical equipment and the degree of protection of enclosures,
- Flexible and rigid low-voltage cables.

In addition, the equipment shall comply regulations relating to the suppression of interference in inhabited areas and shall thus be delivered with interference suppression.

2.1.5.1 IP RATING

All the electrical equipment shall have a protection rating of at least IP 44-D.

2.1.5.2 PROTECTION AGAINST ELECTRIC SHOCK

All equipment shall be "class 1".

2.1.5.3 FASTENERS

The converters shall be placed in areas not subject to standing water.

The cables and sheaths shall be fastened to structures at 50 cm intervals.

2.1.5.4 CABLE ROUTING

Every cable or sheath passing through a metal part shall be routed through a cable gland.

Connection boxes.

An IP 44 sealed plastic connection box shall be provided at the inlet to each assembly. This box shall be equipped with a 5-input connection pin for 4 mm wiring.

All the connection boxes shall have the markings P1+P2+P3+T+N.

2.1.5.5 LEDs

The white LEDs used shall have the following characteristics:

- Lifetime: 50,000 hours for a loss of initial luminous flux of 50 % at the end of the period
- 5 year guarantee for operation 10 hours per day with a maximum loss of luminous flux of 20 %
- Operating temperature of LEDs: between - 20° C and +50 °C.
- Minimum protection index: IP 67
- The LEDs used must comply with the following international standards: IEC 62504 TS Ed. 1, IEC 61231, IEC 62560 Ed 1, IEC 62031 LED module safety, IEC 61347-2-13 LED control gear.

2.1.5.6 CONVERTERS

The power supply converters for the LEDs shall have the following characteristics:

- Wide power supply voltage range (100 to 300 volts)
- Reversible protection against increase in temperature and overload
- Protection against short-circuits with automatic restart
- Minimum protection index: IP 67
- Operation compliant with: EN 55015, EN 61000-3-2, EN 61547, EN 61558-2-17.

general technical requirements

2.1.6 FASTENERS AND HARDWARE

All fasteners and hardware used shall be made of stainless steel (non-magnetizable).

Aluminium "pop" rivets are accepted as long as the steel rods are systematically removed.

For welding, the wires and electrodes are to be compliant with NF 81.830.

2.1.7 ANCHORING SYSTEMS AND FASTENINGS

The plinths for all equipments shall be completely removable without having to remove another element of the assembly. The plinths shall cover the attachment plates or fastenings. The attachment plates shall be easily accessible once the plinths have been removed.

For each of the assemblies which require a foundation block or fastening to a separate structure, the signmaker shall provide the elements necessary, as well as the conditions to be used to make design calculations for these elements (wind conditions and design calculation methods).

2.1.8 IDENTIFICATION PLATE

Each finished product shall be marked with a metal identification plate on the structure which shall show at least the following information:

- Name of the signmaker
- Product code and batch
- Month and year of manufacturing
- The CE Marking if it is illuminated.

2.1.9 STORAGE

The finished products shall be stored in a dry and well-ventilated location.

Renault inspectors shall be able to have access to them at any time.

general technical requirements

2.2. GUARANTEES

The suppliers undertake to offer the guarantee conditions below for their products:

- 2 year guarantee on the installation against defects and faulty workmanship,
- 5 year guarantee on the electrical equipment including the LEDs and converters,
- 5 year guarantee on the adhesive elements,
- 5 year guarantee on digital printing (anti UV treatment),
- 5 year guarantee on workshop-lacquered sheet metal,
- 5 year guarantee on the chrome-plated diamonds,
- 7 year guarantee on sheet metal and profiles pre-lacquered by the aluminium manufacturer,
- 10 year guarantee on the internal structures,
- 10 year guarantee on the PMMA acrylic panels.

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