



RENAULT
Passion for life

Renault Store - Technical specifications

The configurator



Contents

General

Introduction	4
Colours & materials	5

Technical principles

General description	7
Detailed description	12
Multimedia unit and screen	13
IT equipment wiring diagram	16
Bodywork shade samples	18
Upholstery samples	20
Wheel rims and wheel trims	22
General assembly diagram	26

General



Introduction

The configurator allows customers to find out about the range of shades and options available to customise the vehicle of their choice.

In this way, with the help of the sales advisor or independently, customers can complete the configuration of their vehicle using the samples on display: shades, upholstery and wheel rims.

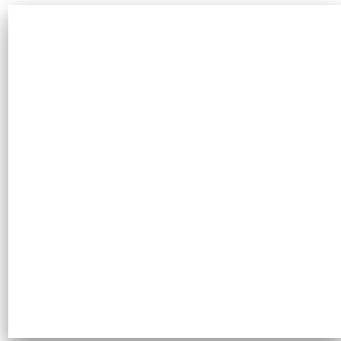
A touch screen completes configuration and establishes a link between the virtual and the physical elements. This unit must systematically be positioned in the visitor flow and near sales desks where possible.

Composition of configurator:

- 1 A unit
- 2 A touchscreen
- 3 A communications message
- 4 A paintwork palette
- 5 An upholstery sample holder
- 6 Two wheel rims
- 7 A wheel trim



Colours & materials

**RAL 9003 satin white**

- Lightweight particle board panel with white melamine veneer in EGGER W1000 ST9 premium white
- White PVC veneer edges
- Lacquered aluminium

**Dark grey equivalent to RAL 7024**

- Particle board panel with melamine finish in EGGER U963 ST15 diamond grey
- Lacquered steel
- Solid-coloured PVC

**Pantone 426 EC grey**

- Branding
- Satin or matt adhesive

Typeface

Renault Life

Branding and texts

Refer to the «Showroom communications» specifications

**Pantone 185 EC red**

- Branding
- Satin or matt adhesive

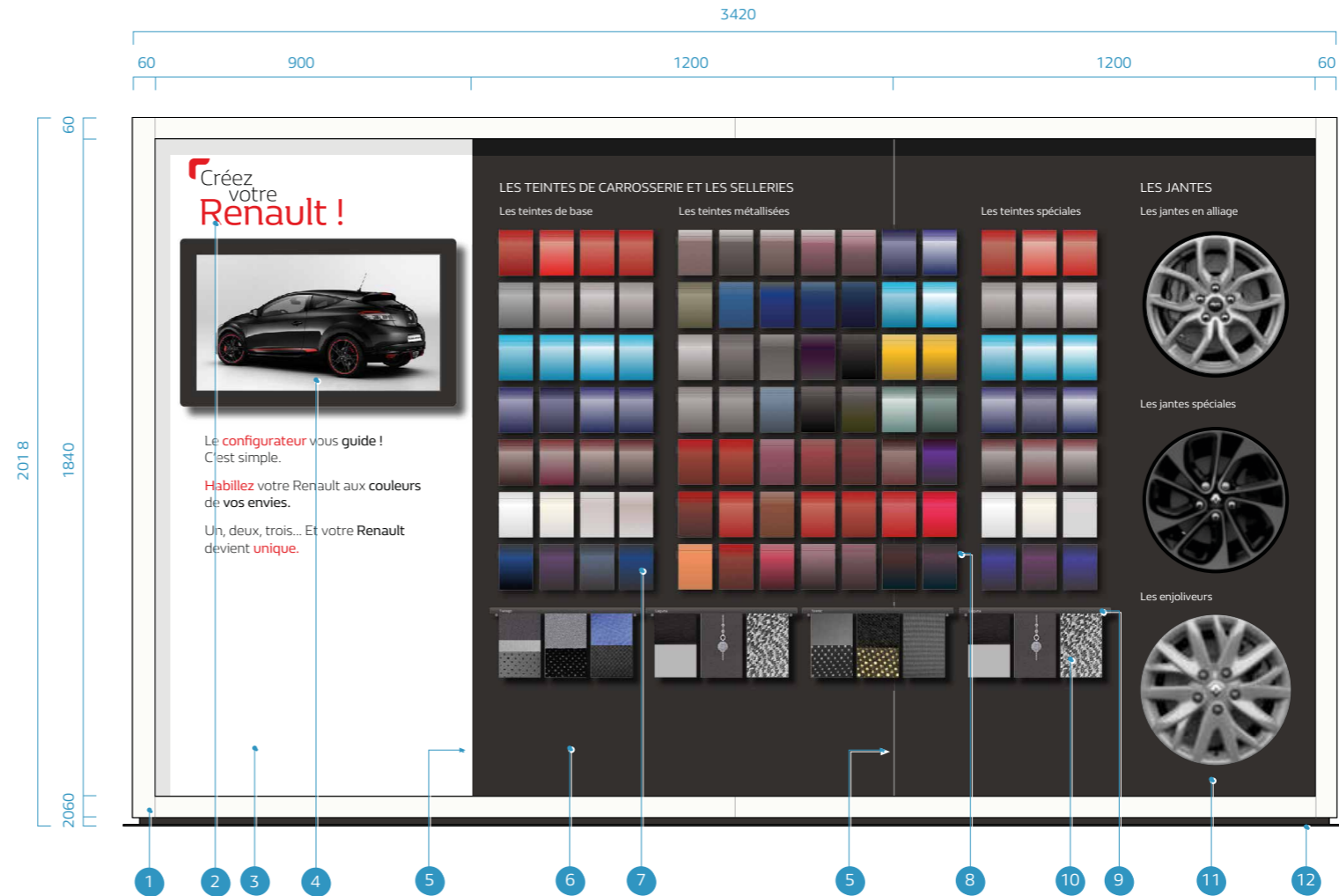
Technical principles



General description

Front view

- 1 Lightweight particle board panels, 60 mm thick
White melamine veneer in EGGER W1000 ST9
premium white, veneered white PVC edges
- 2 Adhesive markings in Pantone 185 EC red
and black Satin or matt finish (refer to the
«Showroom communications» specifications).
- 3 Particle board panel, 20 mm thick White
melamine veneering of front panel, EGGER
W1000 ST9 premium white
- 4 32" LED multi-touch screen
- 5 Edge-to-edge joint seams between panels
- 6 Front of the unit Particle board panel, 20 mm
thick Dark grey melamine finish in EGGER U963
ST15 diamond grey
- 7 Colour strips
- 8 RAL 7024 dark grey lacquered brackets for the
colour strips
- 9 Suspension rail, 12 mm diameter RAL 7024 dark
grey lacquered aluminium Room for four rails
per unit
- 10 Textile and leather samples on ABS plastic
hanging rail (not supplied)
- 11 Plinth inset by 20 mm Water-repellent particle
board panel with PVC veneered edges. Finish
same as for attachment plate.
- 12 Steel attachment plate, 5 mm thick RAL 7024
dark grey lacquered steel sheet with rounded-off
edges.



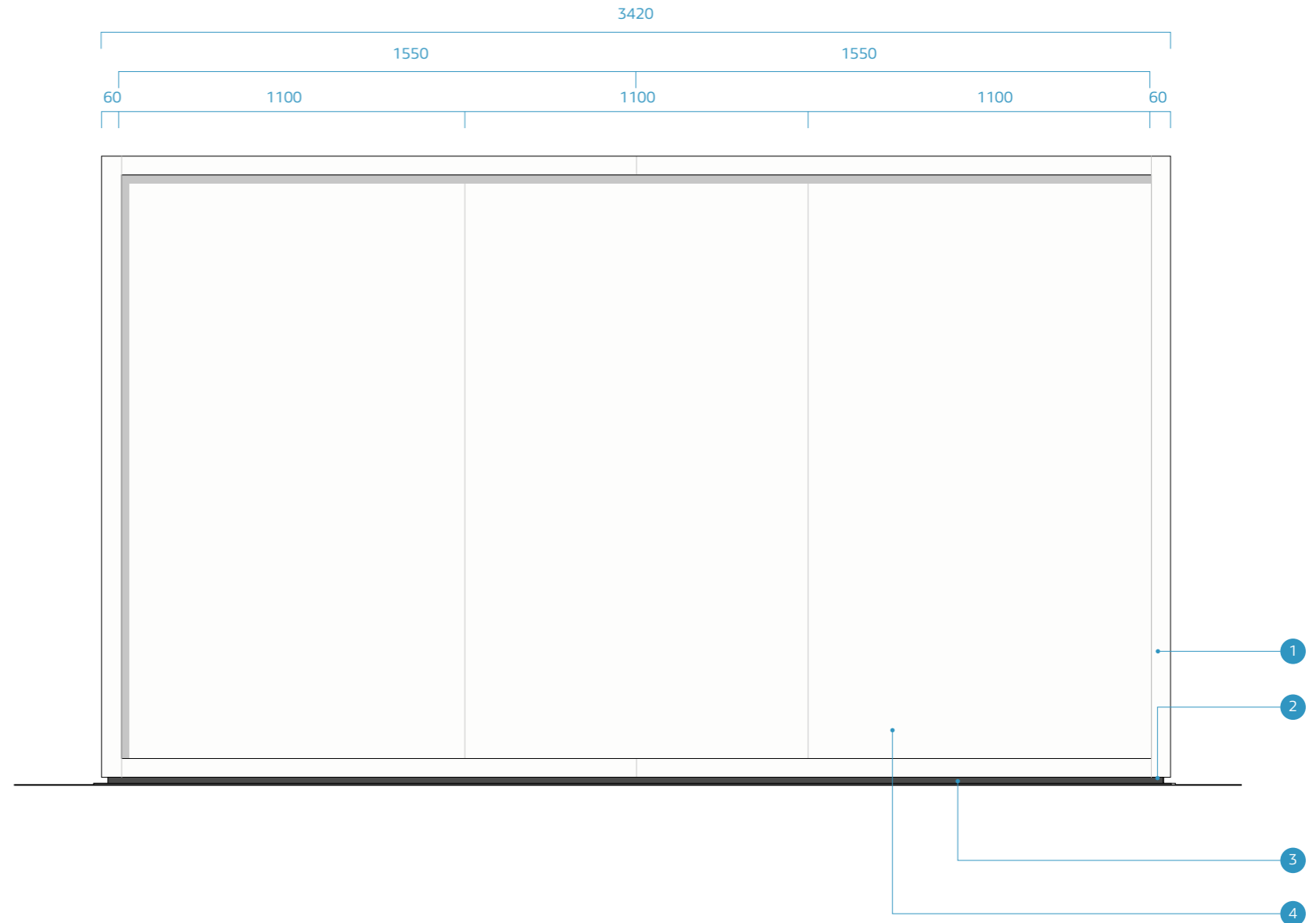
General description

Back view

- 1 Lightweight particle board panels, 60 mm thick
White melamine veneering of outer surfaces,
EGGER W1000 ST9 premium white, straight
edges White PVC veneer edges
- 2 Plinth inset by 20 mm Water-repellent particle
board panel with PVC veneered edges
Finish same as for attachment plate,
RAL 7024 dark grey
- 3 Steel attachment plate, 5 mm thick RAL 7024
dark grey lacquered steel sheet
- 4 Particle board panel, 20 mm thick White
melamine veneer in EGGER W1000 ST9
premium white

NOTE:

This panel may be used for communications about a nearby vehicle (POS display).



General description

Side views and cross-sections

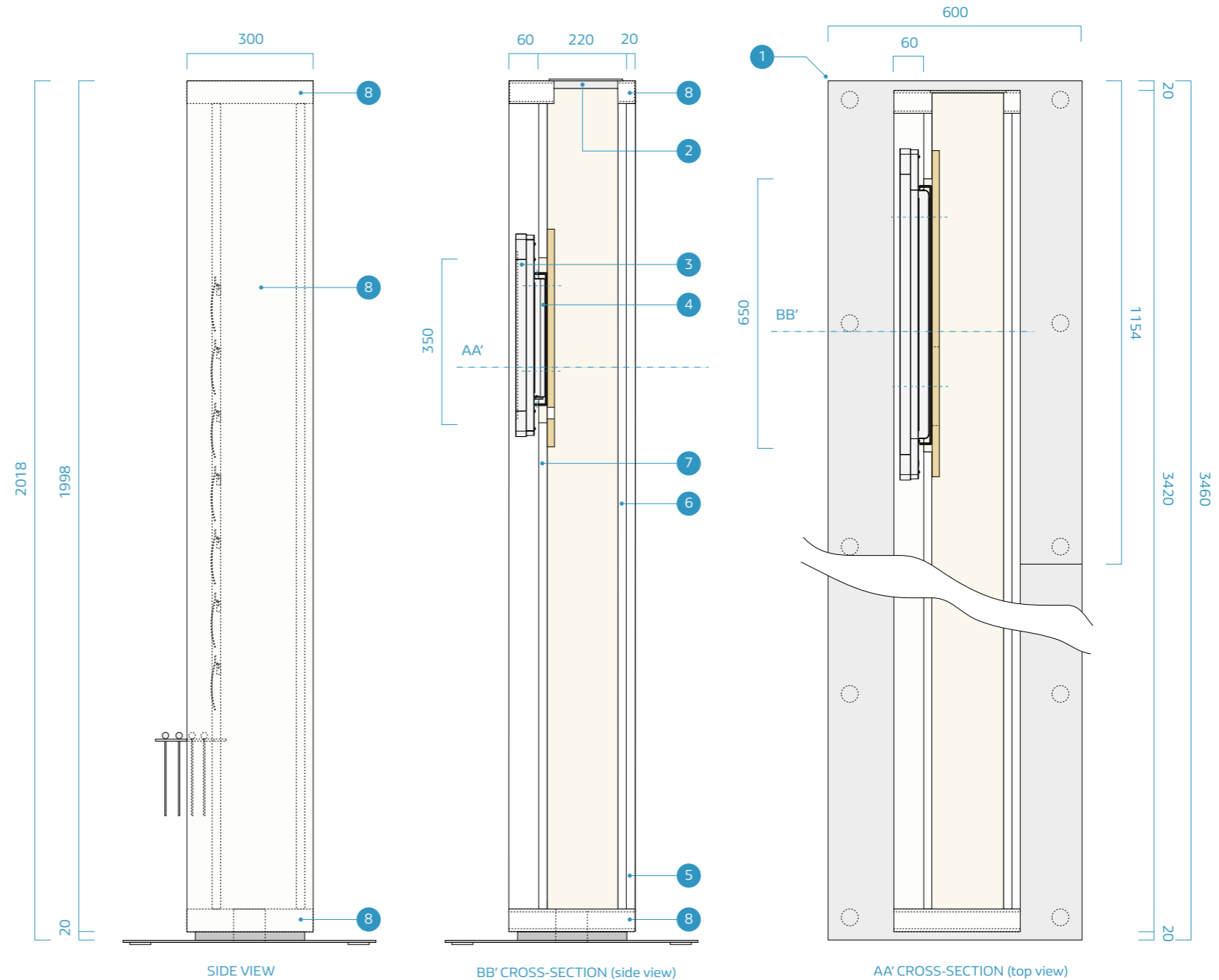
Integration of the screen

The screen is affixed on the front of the configurator using a bracket compliant with the 200 x 400 VESA standard.

A hole measuring approximately 350 x 650 mm in the front panel of the unit allows cable routing and embedding. Heat is removed through the top of the unit via an exhaust vent in the top.

Key

- 1 Attachment plate with rubber pads
- 2 Exhaust vent
- 3 32" touch screen
- 4 Metal screen bracket
- 5 IT equipment access hatch
- 6 Back of the unit
Particle board panel, 20 mm thick
- 7 Front of the unit
Particle board panel, 20 mm thick
- 8 Unit housing, 60 mm thick
Lightweight particle board panel
White melamine finish
White PVC veneer edges



General description

Attachment plates

The base of the configurator comprises three identical attachment plates, 1154 mm long.

A 300 x 100 mm hole is drilled in each attachment plate for the routing of power cables.

Edges should be rounded off slightly following cutting to avoid any risks to personnel in the dealership.

The attachment plate shall be equipped with pads to avoid damaging floors.

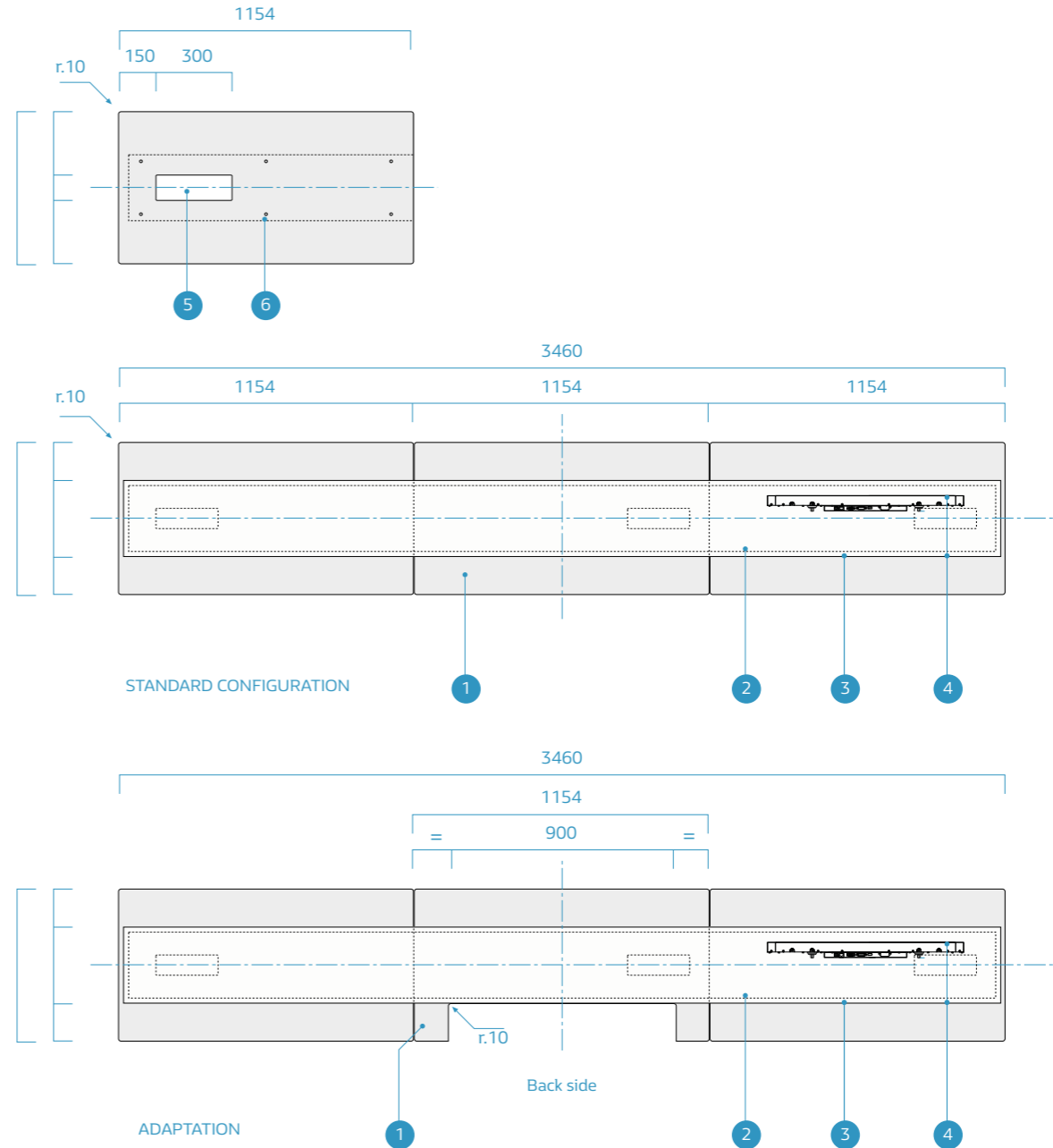
Principle of adaptation

Where the configurator is installed at the back of the canopy, the central plate shall be cut at the back to allow the base of the canopy to pass through it.

The cut-out will be of the following size:
l. 900 mm x w. 150 mm.

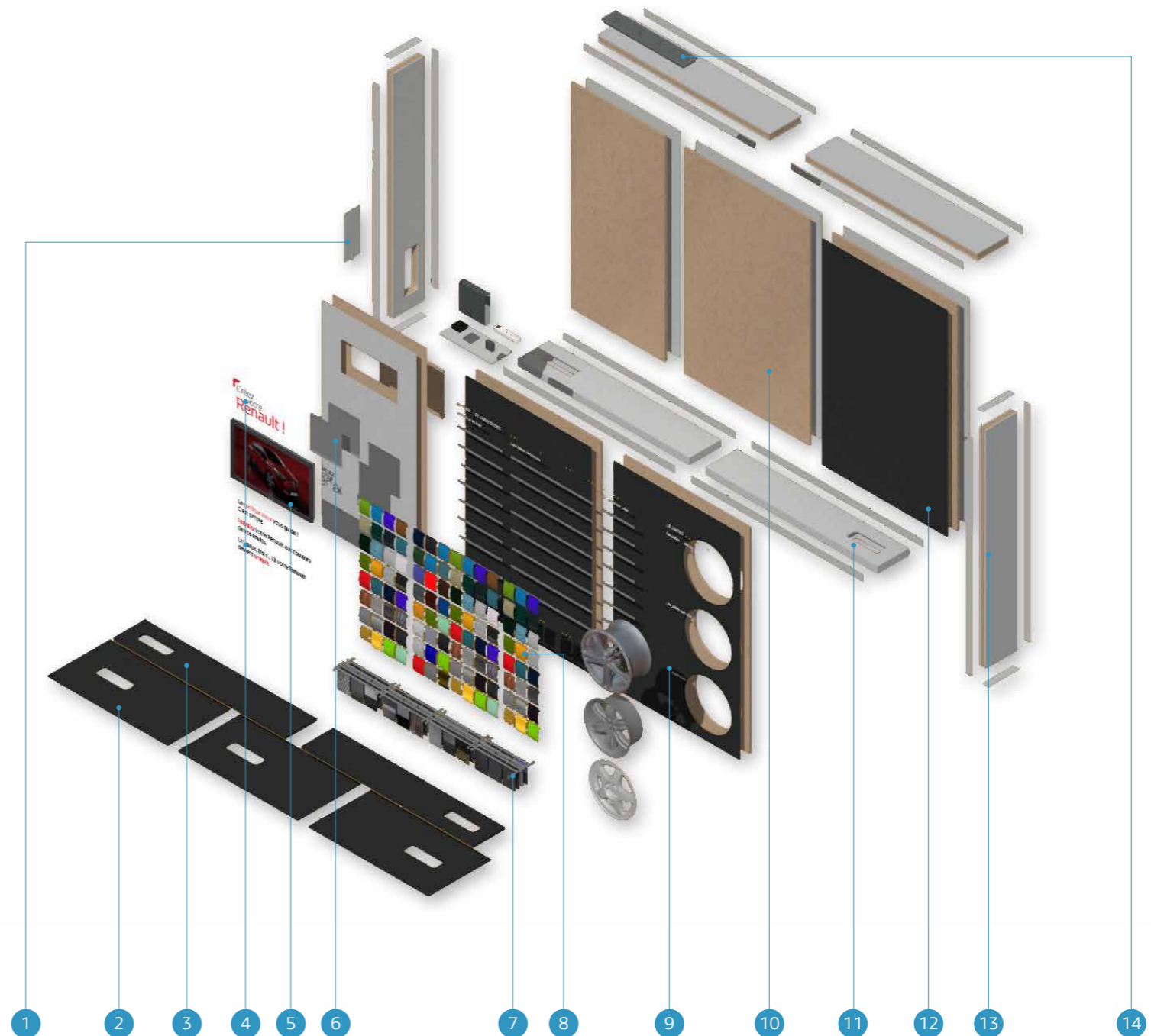
Key

- ① Central attachment plate
- ② Plinth inset by 20 mm
- ③ Edge of the unit
- ④ Screen
- ⑤ Cable routing
- ⑥ Drill holes to fasten wooden parts to the attachment plate

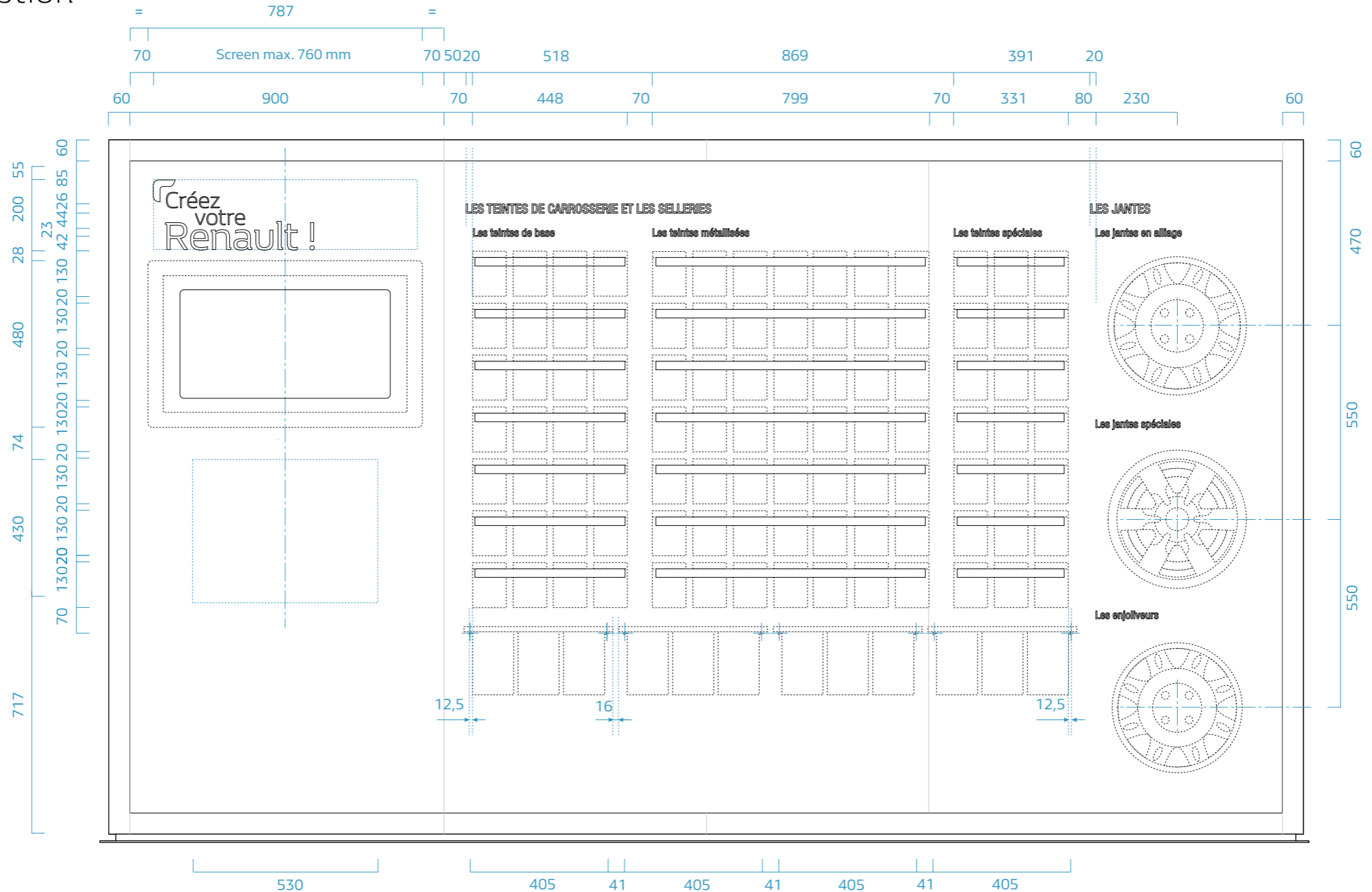


Schematic exploded view

- 1 IT equipment access hatch
RAL 9003 white 2 mm aluminium
- 2 Steel attachment plate, 5 mm thick
RAL 7024 dark grey lacquered steel sheet
- 3 Plinth inset by 20 mm Water-repellent particle board panel with PVC veneered edges. Finish same as for attachment plate.
- 4 Adhesive markings
- 5 32" LED touch screen
- 6 Dark grey lacquered screen bracket
- 7 Textile and leather samples on ABS plastic hanging rail (not supplied)
- 8 Colour strips (not supplied)
- 9 Front of the unit Particle board panel, 20 mm thick Melamine finish
- 10 Back of the unit Particle board panel, 20 mm thick Melamine finish
- 11 Lightweight particle board panels, 60 mm thick
Holes drilled for power supply routing
- 12 Inside décor of the background particle board panel, 20 mm thick, dark grey melamine
- 13 Lightweight particle board panels, 60 mm thick
White melamine veneering of outer surfaces,
EGGER W1000 ST9 premium white
White PVC veneer edges
- 14 Longitudinal vent or holes



Detailed description



Multimedia unit and screen

1 32" touch screen

Example: iiyama T3234MSC
700 x 390 mm format
Resolution 1920 x 1080

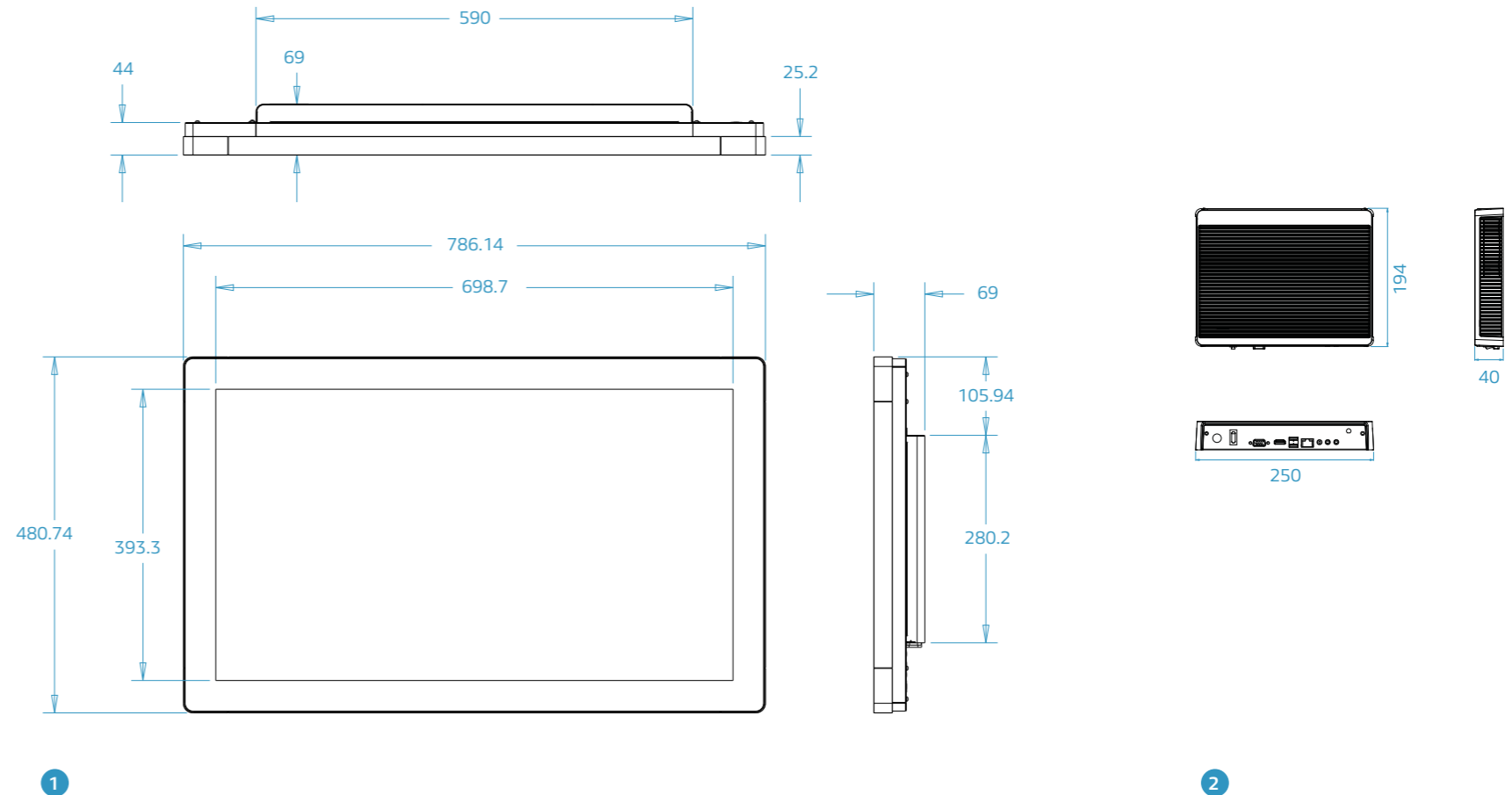
NB. Ensure that the dimensions of the chosen screen are fully compatible with the fastening system. Check that the screen has a sufficient resolution to support display of content in at least HD quality.

2 Multimedia unit

Multimedia unit for displaying video content on the screen in conjunction with a content delivery management solution.

The specifications of this unit are to be determined in consultation with the supplier of the content management solution. It is also necessary to ensure that the dimensions of the cabinet and the unit are compatible.

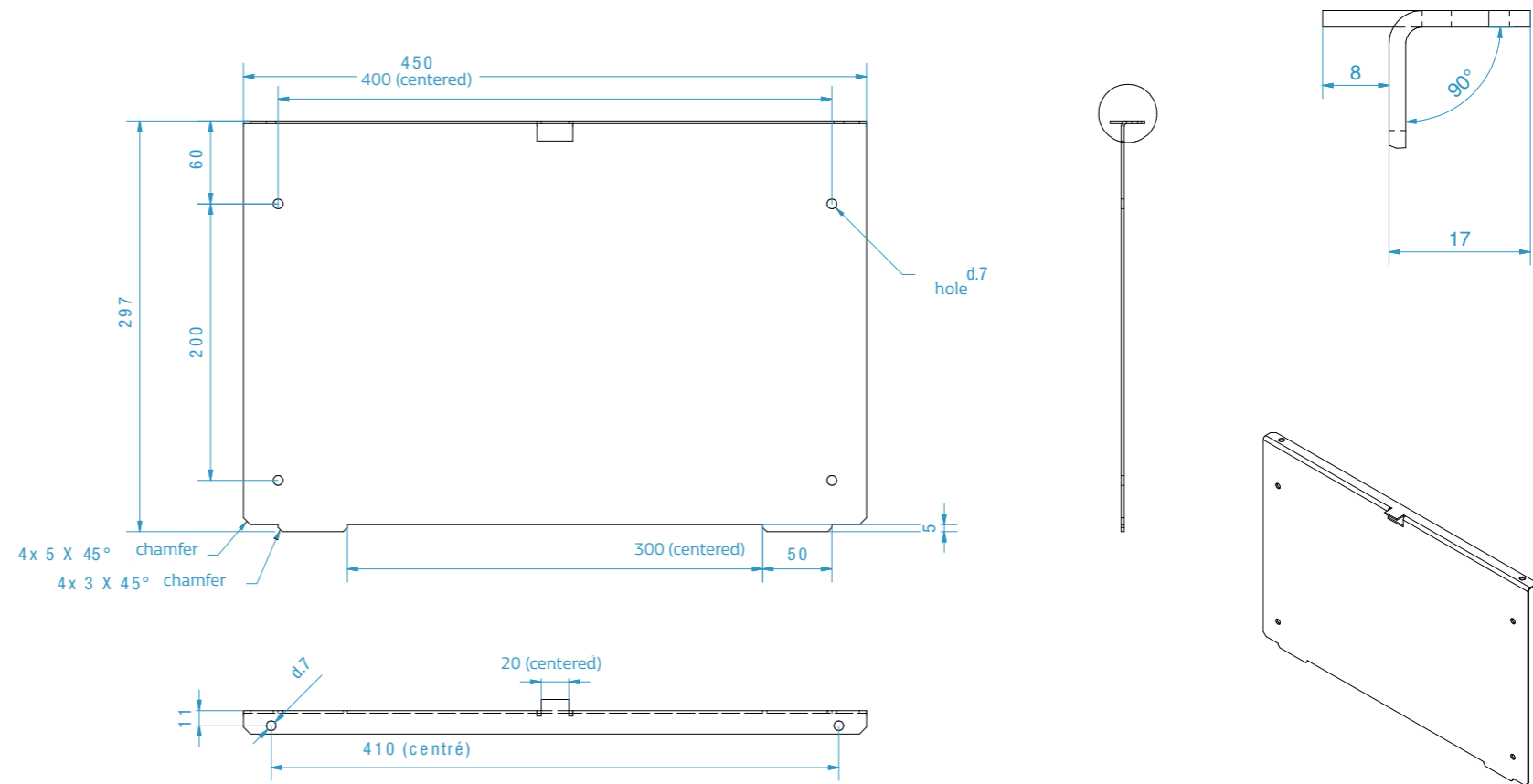
Example: Quanmax MVP225 player deployed for the central digital solution.



Screen bracket (1)

Bracket fastened to the back of the screen

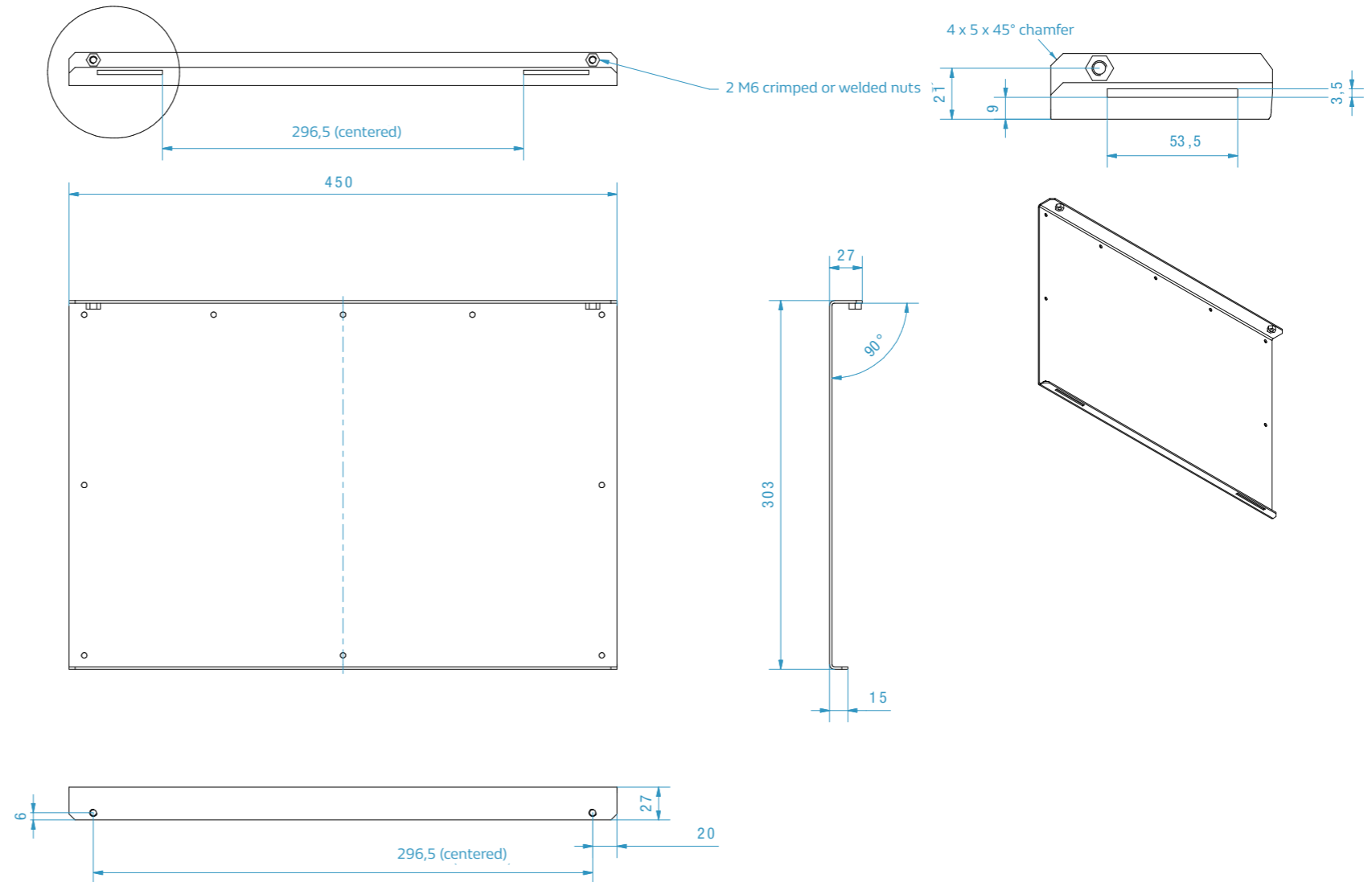
This bracket is made of sheet steel. It has a 90° bend at the top to enable it to be bolted to the wall-mounted section fastened to the front of the configurator.



Screen bracket (2)

Wall bracket fastened to the front of the configurator

This bracket is made of sheet steel. It has a 90° bend at the top to which two bolts are attached for fastening the screen bracket.



IT equipment wiring diagram

Power supply routing (red)

The power supply inlet passes through the attachment plate. A connection box is installed at the bottom of the unit.

Two RJ 45 Ethernet cables run alongside the general power cable.

Distribution (blue)

The power cable travels up through the inside of the unit to a socket board.

Ethernet wiring (yellow)

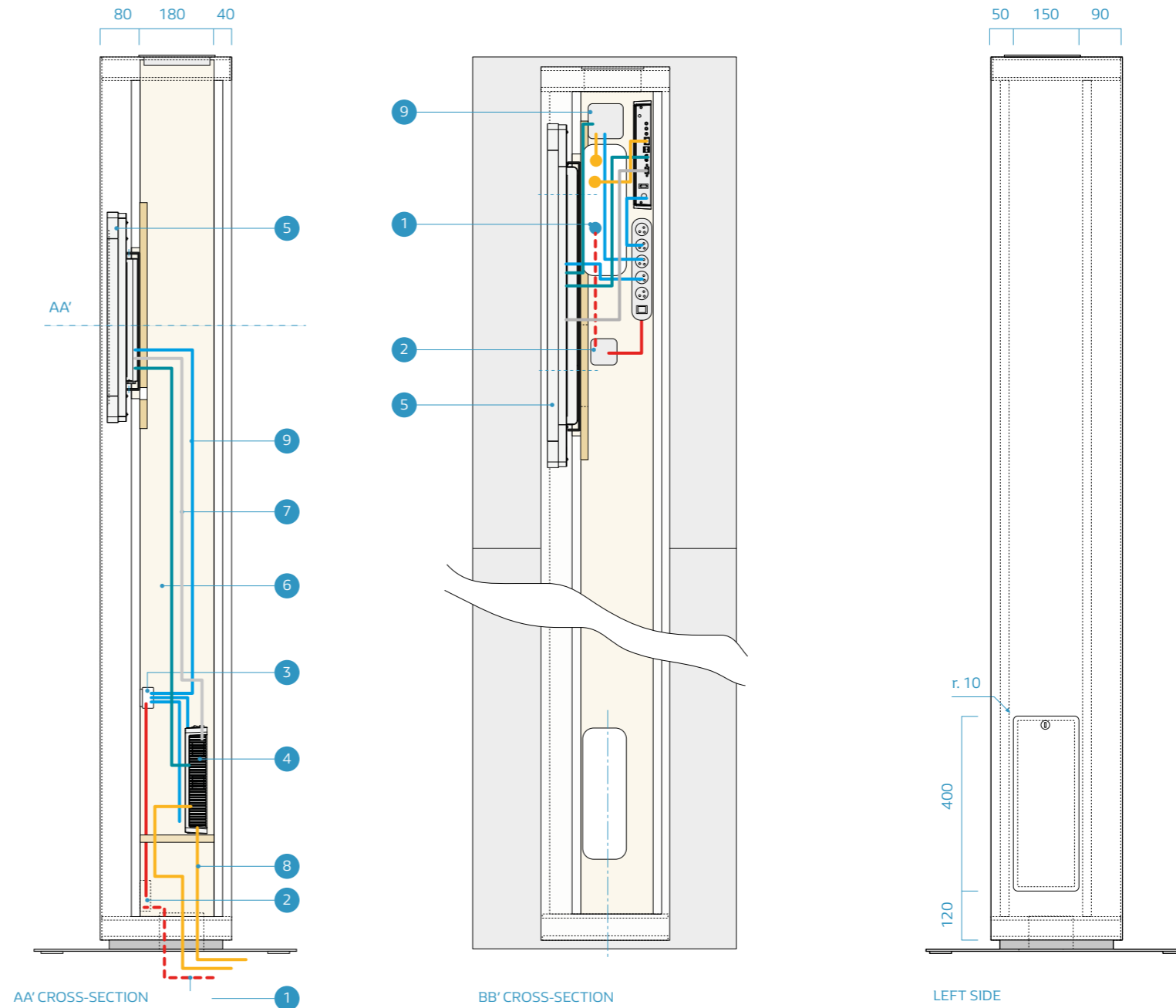
The multimedia unit and touch screen are connected to the local network via an Ethernet cable.

Screen connection

An HDMI cable and RS 232 cable connect the multimedia unit to the screen.

The touch screen is connected to the screen via an HDMI cable.

- ① Power supply inlet
- ② Connection box
- ③ Plug socket board (5 sockets)
- ④ Multimedia unit
- ⑤ Screen
- ⑥ HDMI cable
- ⑦ RS 232 cable
- ⑧ RJ 45 Ethernet cable
- ⑨ Power supply

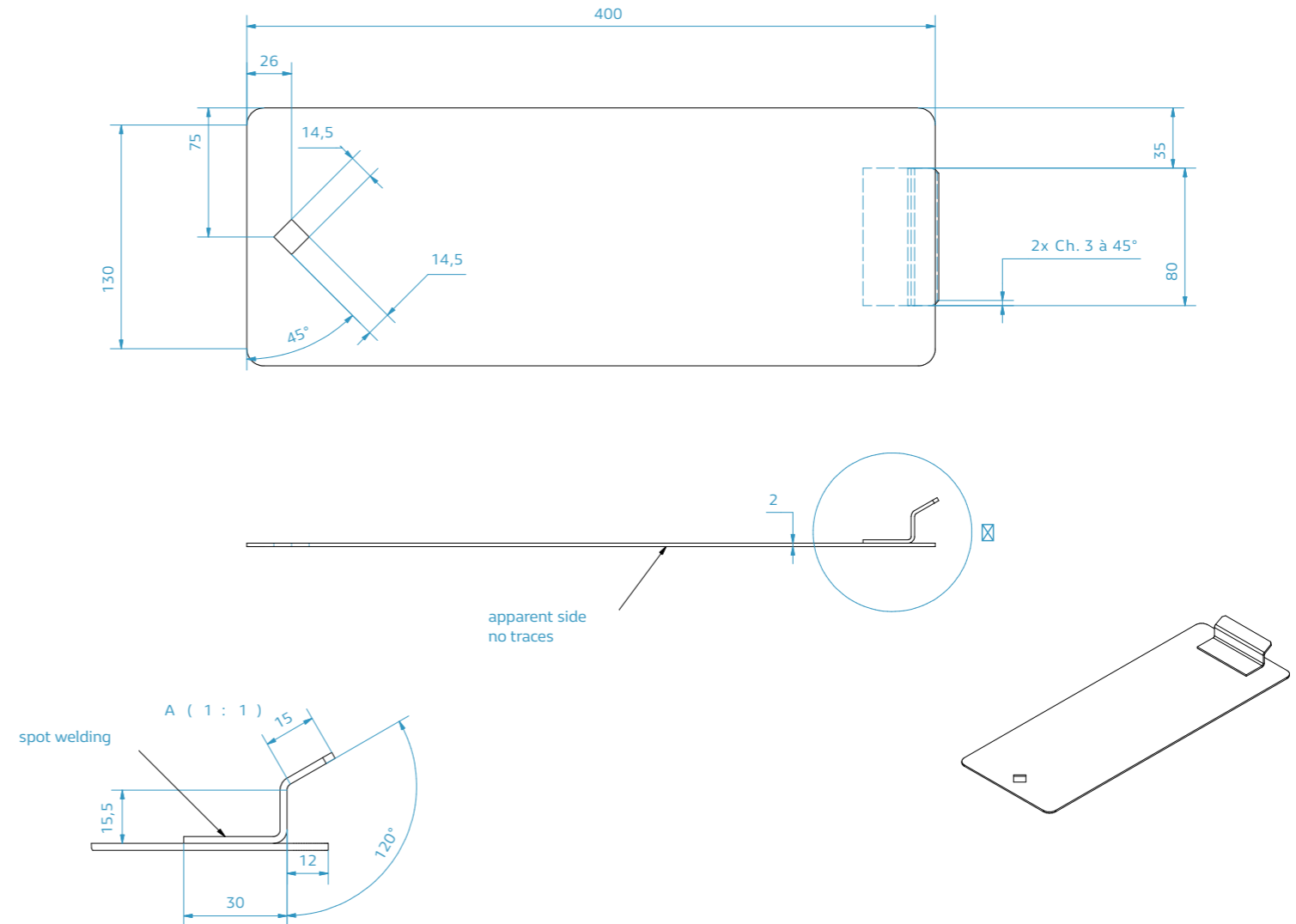


IT equipment access hatch

Principle

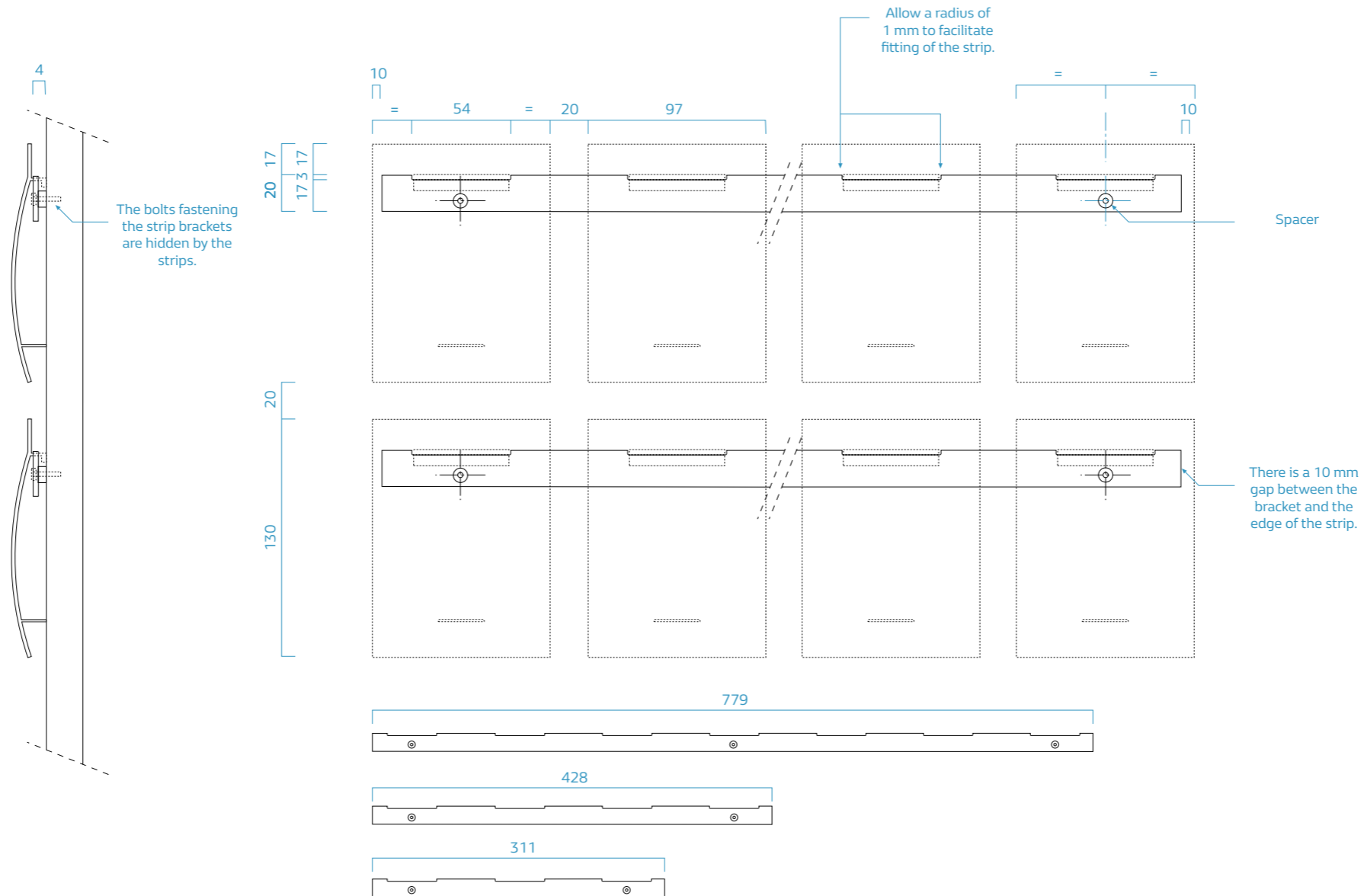
The drawings opposite show the hatch providing access to the electrical wires routed through the attachment plates.

The design of this element may be adapted if necessary depending on the type of internal frame structure developed by each supplier but the overall dimensions must be retained to allow hands to pass through the opening provided.



Bodywork shade samples

Brackets



Bodywork shade samples

Layout principles

Each bodywork sample has a given position on the front panel of the configurator.

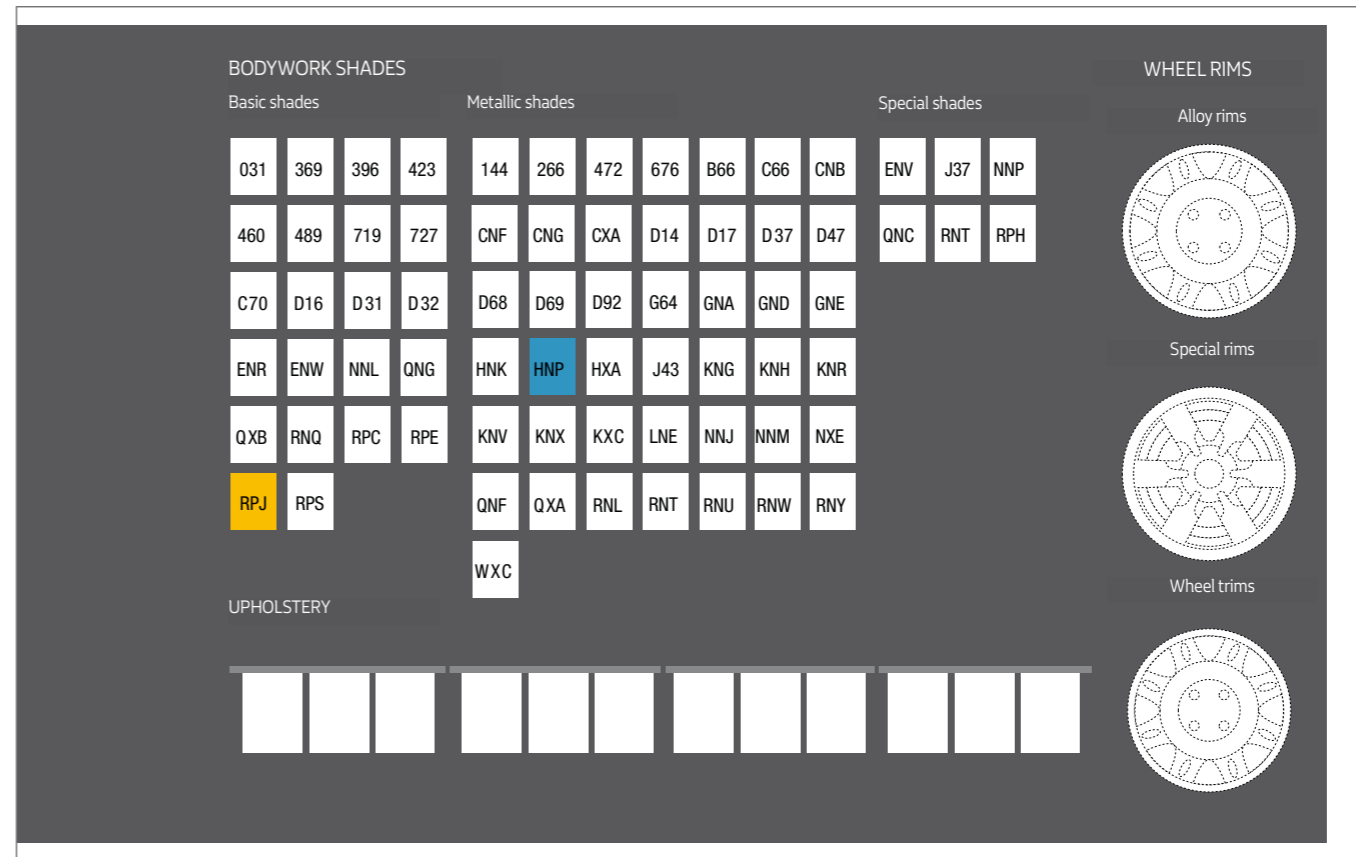
The number of samples on display is specific to each country.

The samples may be updated or new samples may appear depending on changes to the range.

Each supplier should ensure that they have the up-to-date general sample layout plan at their disposal when the unit is delivered to the dealership.

NOTE:

The colour strip brackets are a standard length, which means that new shades can be added if necessary.



EXAMPLE OF SAMPLE LAYOUT PLAN

Upholstery samples

Display rail

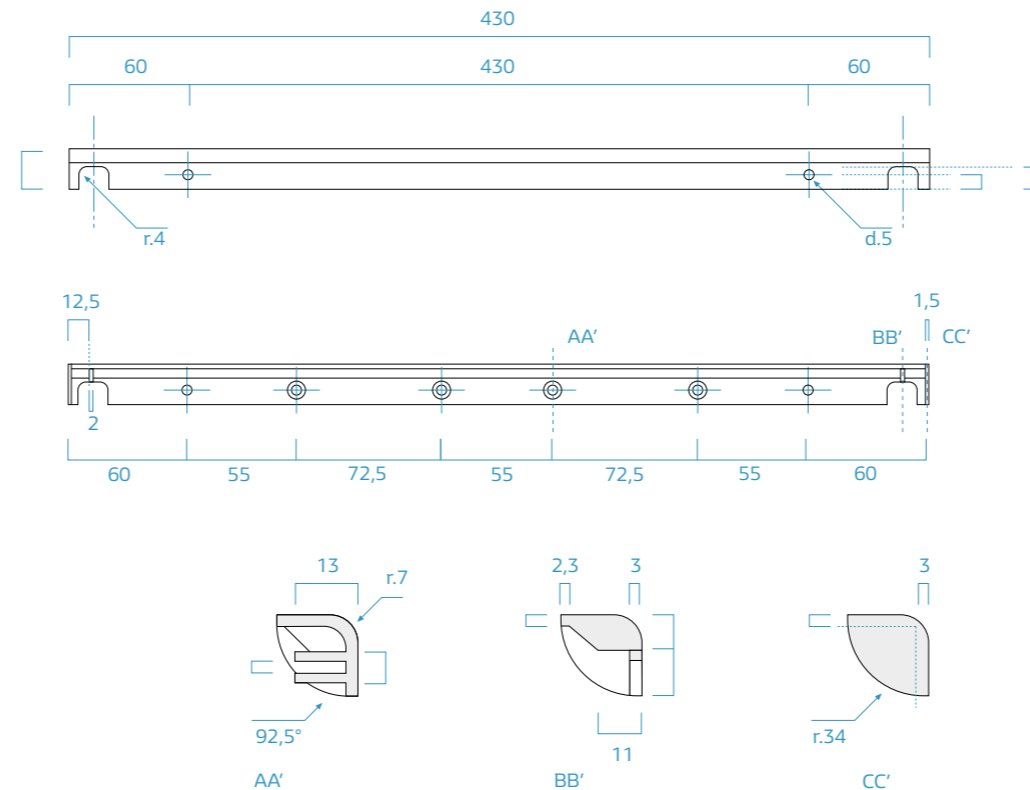
The upholstery samples are displayed on an injected ABS rail that can hold three sets of samples across an overall length of 430 mm.

These samples are cut to a 125 x 200 mm format with serrated edges and bolted to the rail.

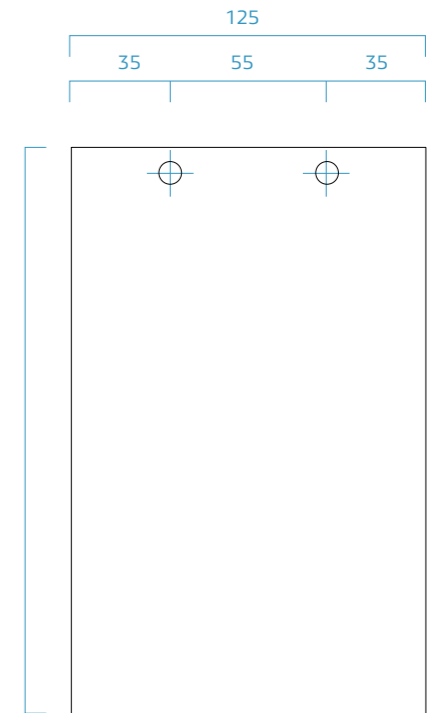
The rails have notches at each end, giving two 12 mm axes 405 mm apart.

The company SURVIVAL supplies rails and samples and ensures that upholstery samples are updated according to new references.

<http://www.sampleselector.com>



DRAWING OF THE SAMPLE BRACKET RAIL



SAMPLE

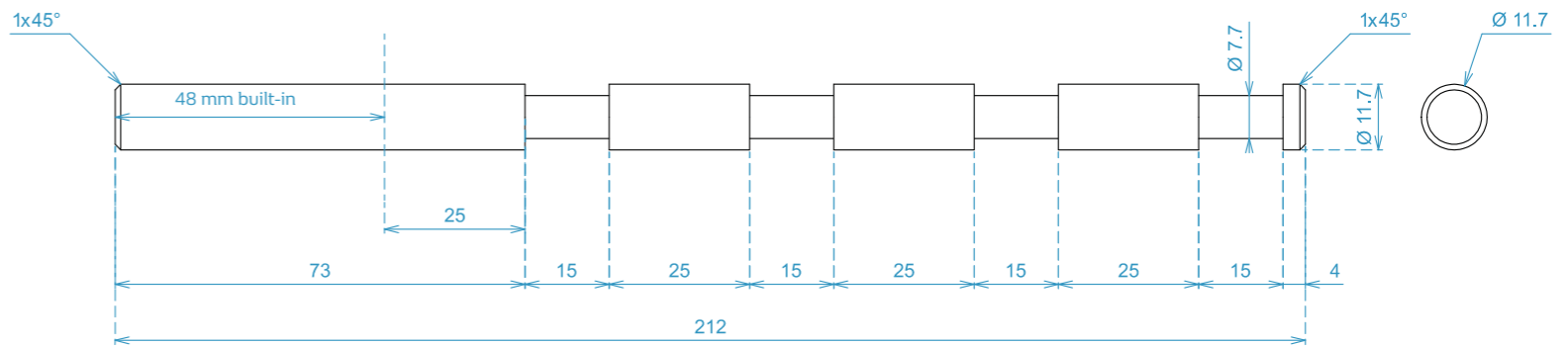
Upholstery samples

Display rail bracket

The bracket for the upholstery sample rails is made by turning an aluminium bar.

This bar placed in an insert in the front of the unit.

The finish is a dark grey melamine finish in EGGER U963 ST15 diamond grey.



Wheel rims and wheel trims

Integration of the wheel rims

The rims are integrated into the unit, fastened to an attachment plate comprising fastening studs for the rim bolts (corresponding to the drill spacing of the rims).

This attachment plate is fastened at the back of the unit, with an adjustable sleeve to ensure the rim sticks out from the front of the unit by 38 mm regardless of its offset.

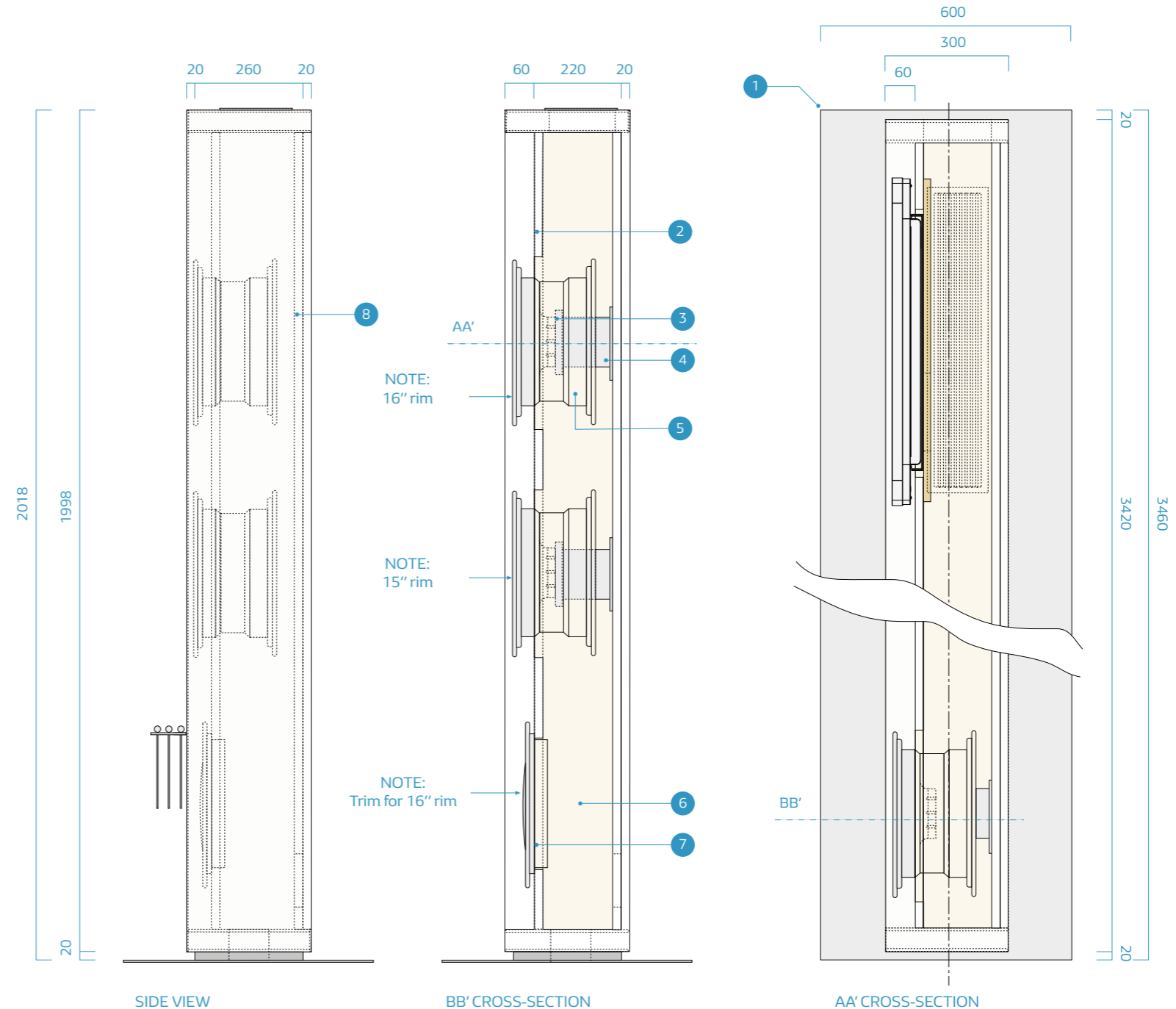
The front of the unit has a hole equivalent to the external diameter of the rim + 10 mm.

Integration of the wheel trims

The wheel trims are fastened in the cut-out panel of the unit using their system of integrated metal tabs. The drilling of the front of the unit means only one diameter can be installed (corresponding to 15" or 16" wheel trims).

Key

- 1 Attachment plate
- 2 Front of the unit
- 3 Rim attachment plate
- 4 Attachment plate bracket
- 5 Aluminium rim
- 6 Inside of the unit
- 7 Wheel trim
- 8 Particle board

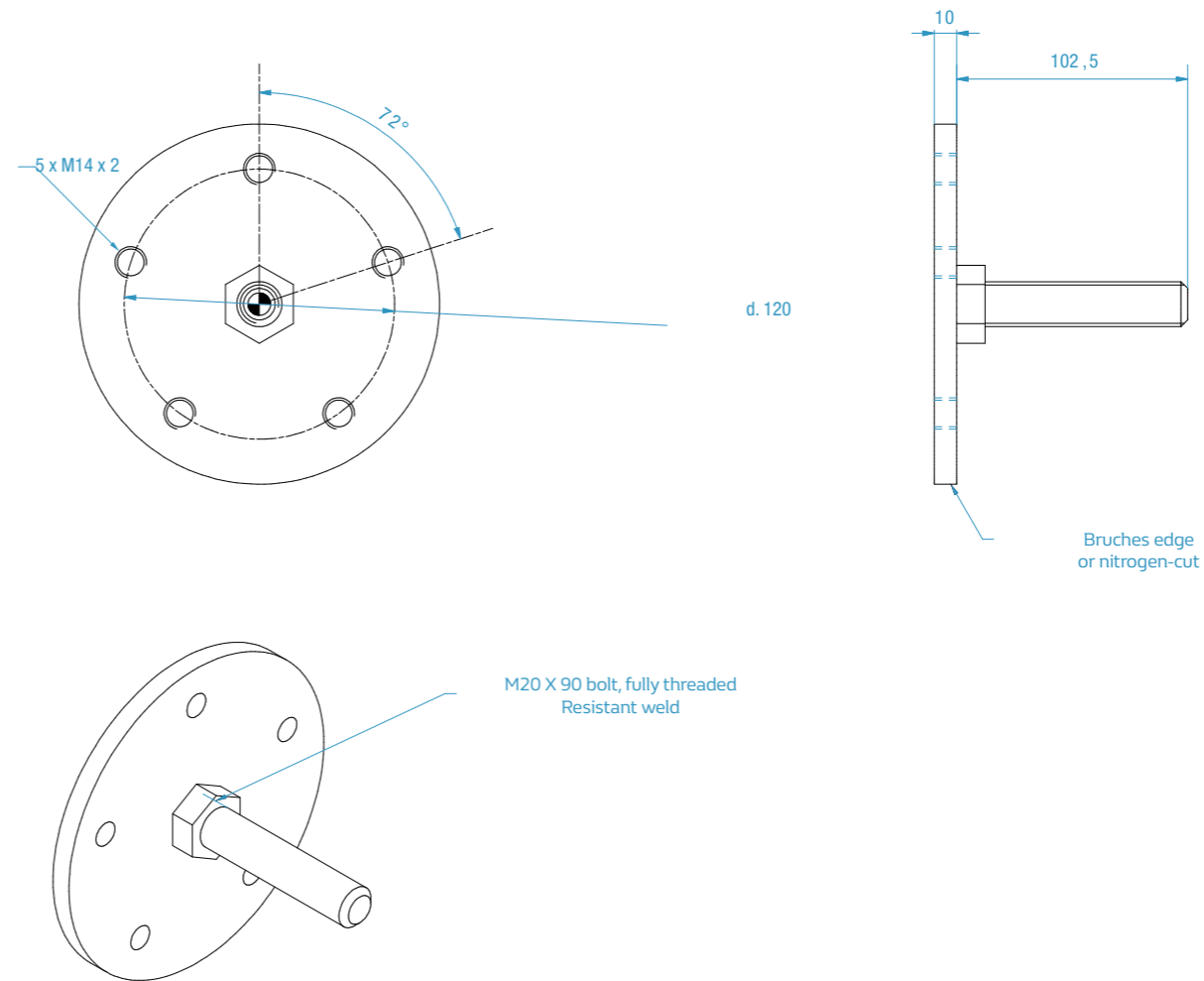


Wheel rims and wheel trims

Attachment plate for wheel rims

This attachment plate allows for fine adjustment of depth to allow an identical offset of the wheel rim to be obtained in relation to the surface of the configurator regardless of the width of the wheel rim.

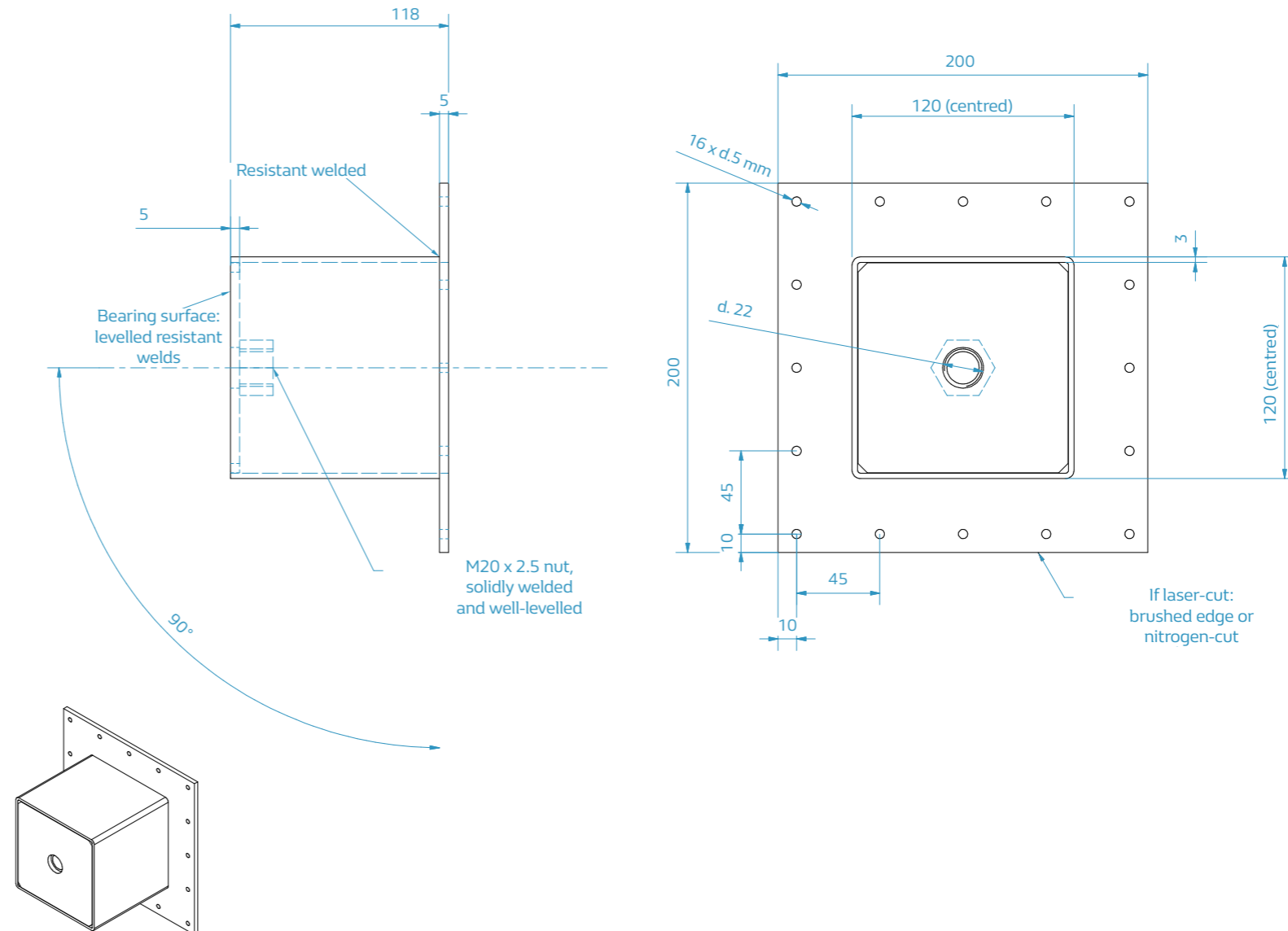
The number and the position of the drill holes (4 or 5) must be adapted to each type of wheel rim.



Wheel rims and wheel trims

Bracket for attachment plate on which wheel rim is mounted

The depth of this bracket may be adapted if necessary depending on the type of internal frame structure developed by each supplier.



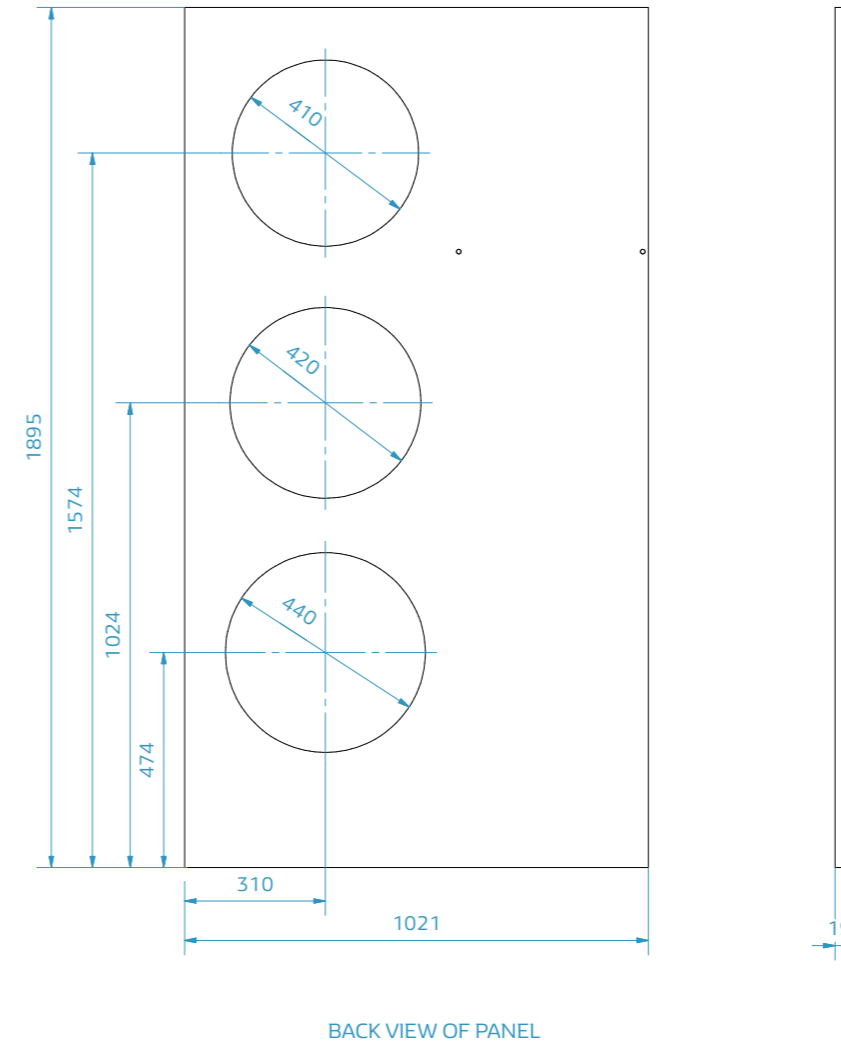
Wheel rims and wheel trims

Wheel rim front panel

Each country or region chooses the type of wheel rims to be displayed on the configurators.

The design of the front panel must be adapted to the diameters of the wheel rims and wheel trims selected.

The drawing opposite shows drilling of the panel adapted (from top to bottom) to 15 and 16-inch wheel rims, and a 16-inch wheel trim.



General assembly diagram

Principle

The diagram opposite shows the general assembly principles for the unit to allow transportation of pre-assembled sub-assemblies.

