

DENTAL CLINIC

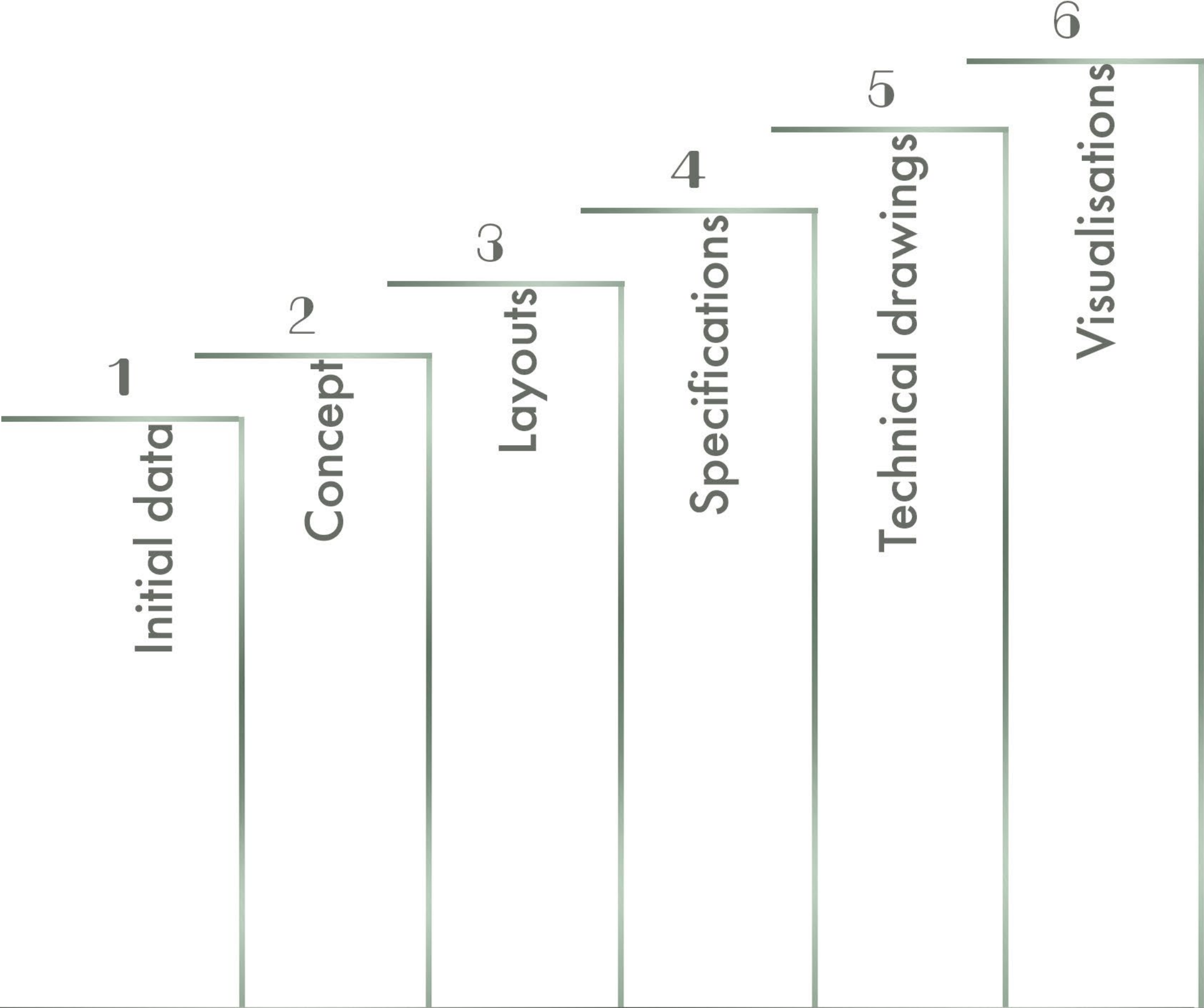
Graduate project on interior design course

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www.maria-allemann.com

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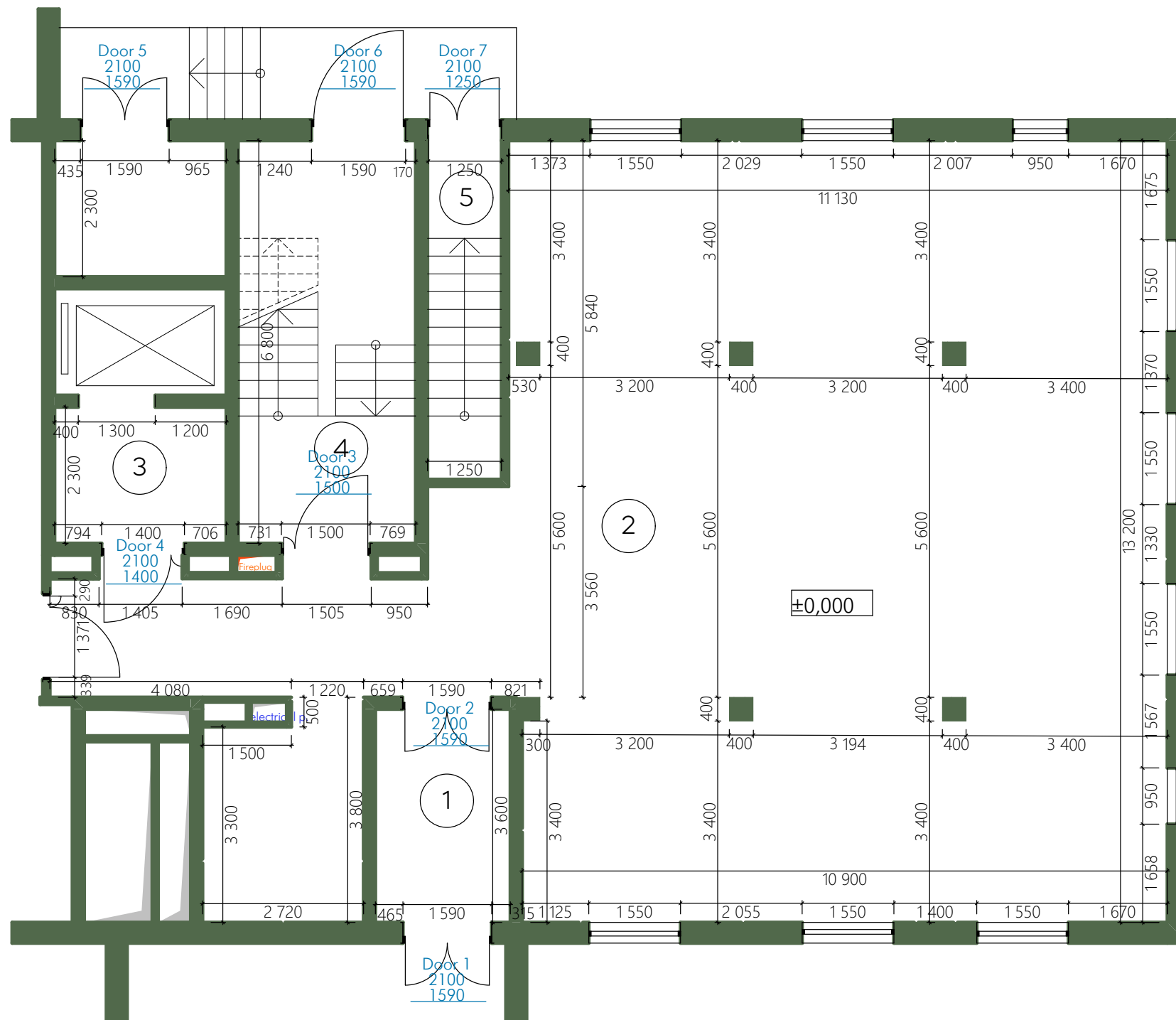
1

Initial data

Measurement plan..... 4

Customer requirements..... 5

Measurement plan



No		Surface, m ²
1	Tambour	8,21
2	Main room	173,72
3	Elevator hall	6,67
4	Staircase	20,40
5	Stairs from the basement	7,45
		216,45 m ²

- bearing columns/walls
- fire hydrant
- electrical panel
- $\pm 0,000$ finished floor level mark

- **Five dentist rooms with all necessary equipments:**

- Each dental room must be connected to a water riser
- Each dental room must have proper number and location of sockets for special equipments
- Floor ceiling and walls finishing materials in dental rooms are to be white color
- Dental rooms are to be provided with bright diffuse lighting
- All dental rooms must have windows to provide natural light

- **Lobby with a reception desk and waiting area for clients:**

- Reception desk equipped with working place for one person
- Reception desk area must have proper number and location of sockets for office equipment
- Reception desk should contain clinic logo
- Comfortable waiting area with sittings for at least five persons
- Waiting area should be planned in order to create relaxing and comforting atmosphere

- **Rest room for clinic personal:**

- Rest room for personal must have a sitting area, small lunch table for 3-4 persons, microwave and a closet
- Rest room interiors must have a relaxing cosy atmosphere and be different from dental rooms to allow clinic personal to have a break from a work.

- **Bathroom:**

- Bathroom should contain one toilet for disable persons and one regular toilet

- **One storage room**

- Should contain smart storage module

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Concept

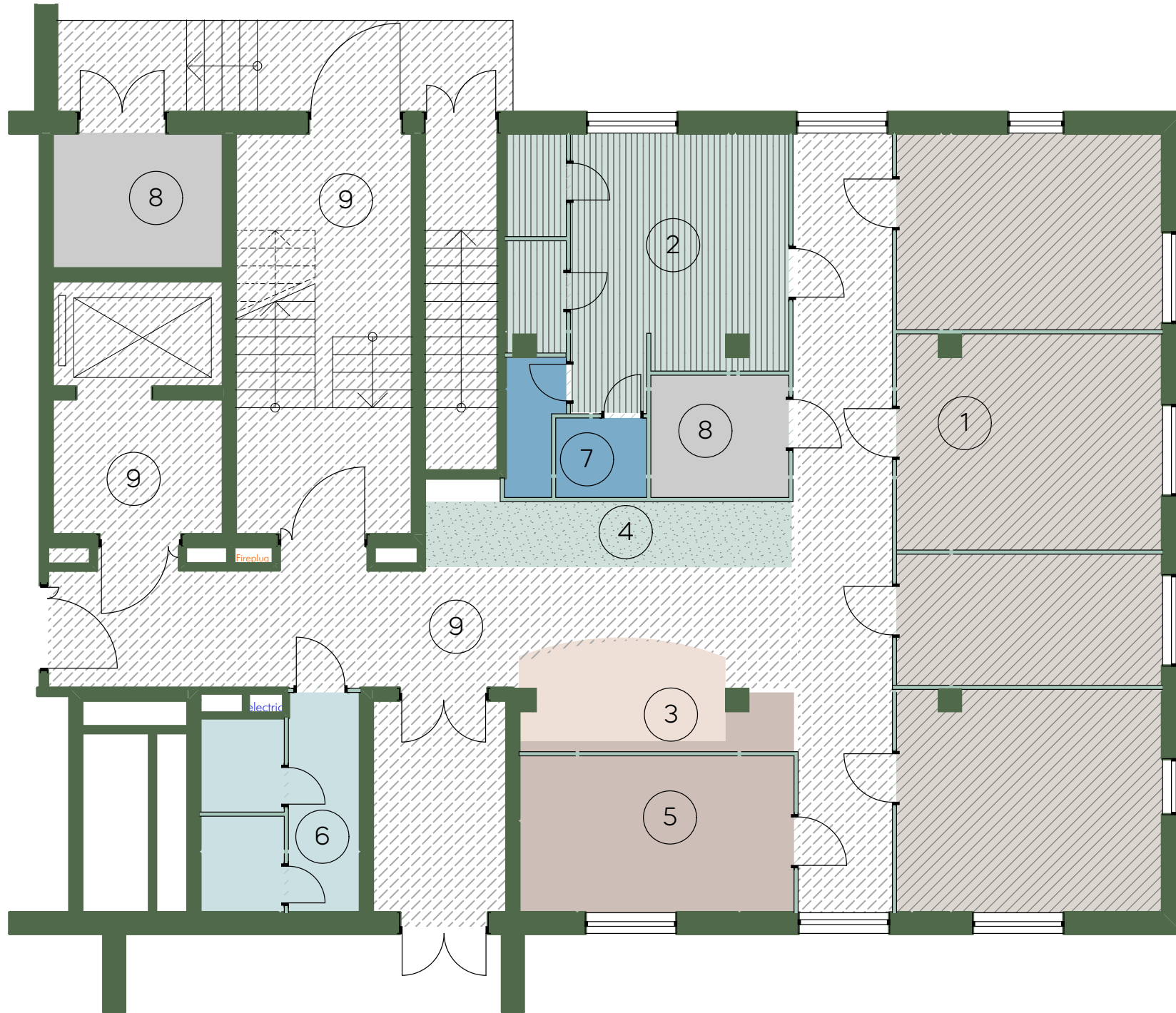
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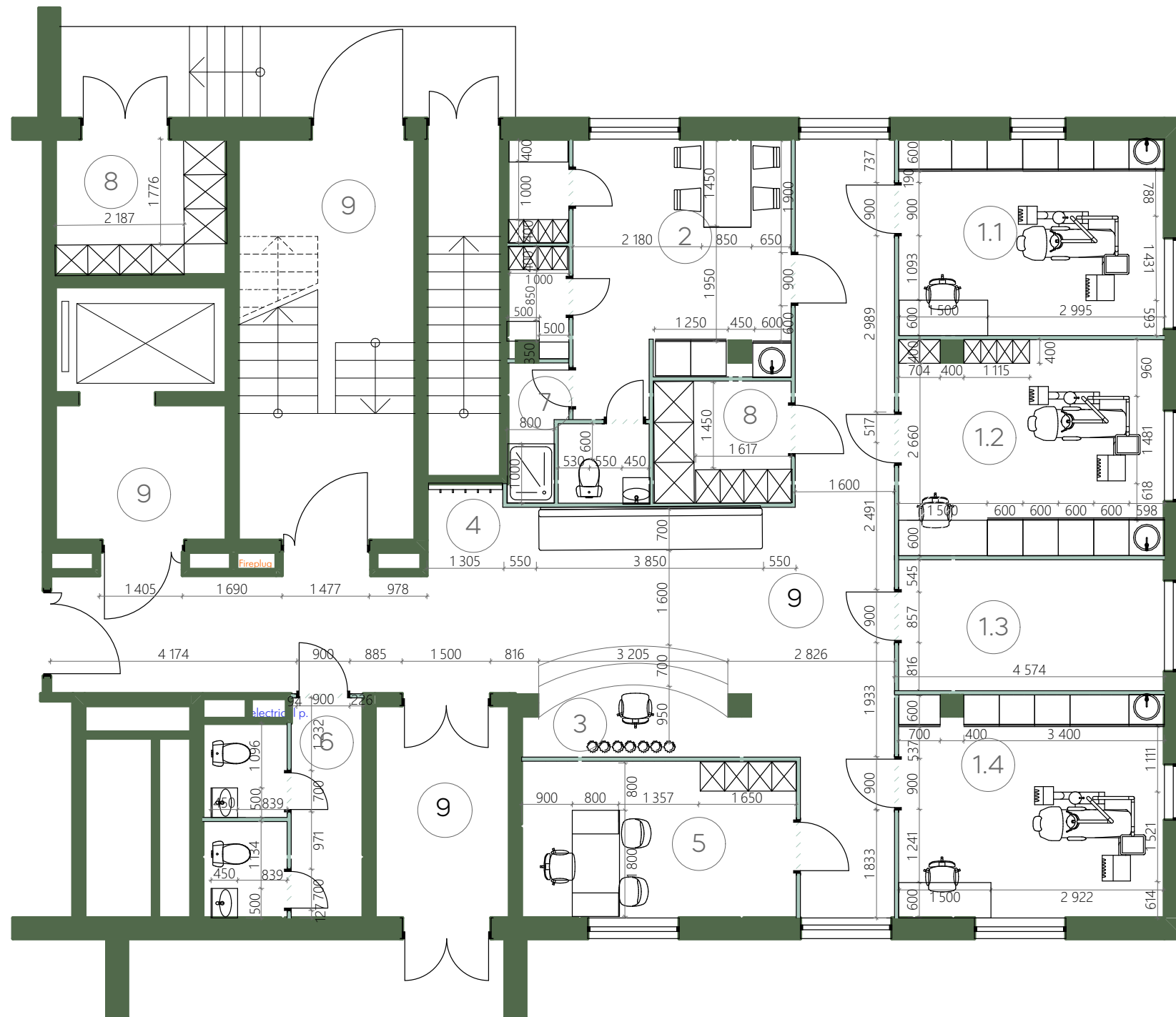
Concept10

Zoning



No	Room	Surface, m ²
1	Dental rooms	59,46
2	Staff room	20,01
3	Reception	6,52
4	Lounge	7,65
5	Managers office	12,36
6	Clients bathroom	9,50
7	Staff bathroom	4,29
8	Storage	11,48
9	Transit area	103,96
		234,26 m ²

Master plan



No	Room	Surface, m ²
1.1	Dental room	14,98
1.2	Dental room	16,49
1.3	X-ray cabinet	10,00
1.4	Dental room	17,02
2	Staff room	20,01
3	Reception	6,52
4	Lounge	7,65
5	Managers office	12,36
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		234,26 m ²

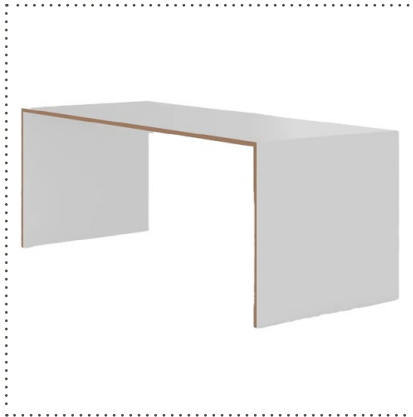
Moodboard



Concept: dental room

Furniture

1 Working desk
Tojo Mobil / Freistell



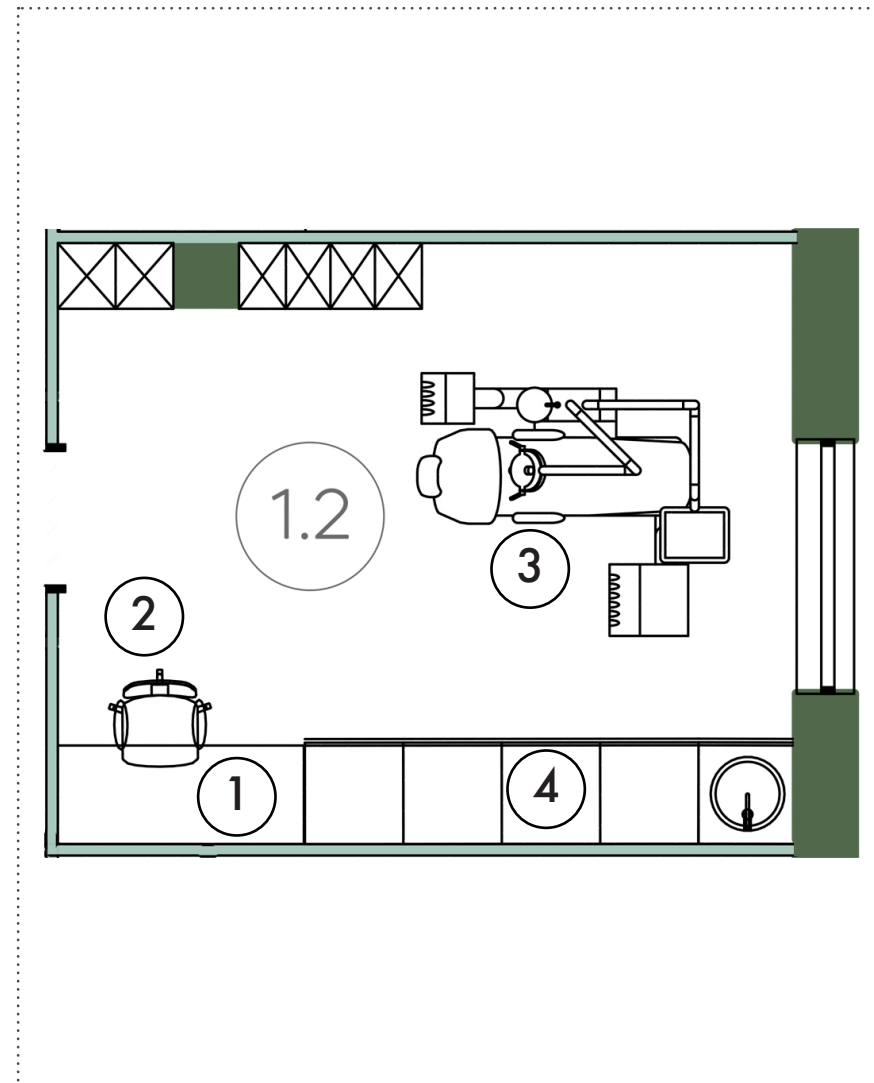
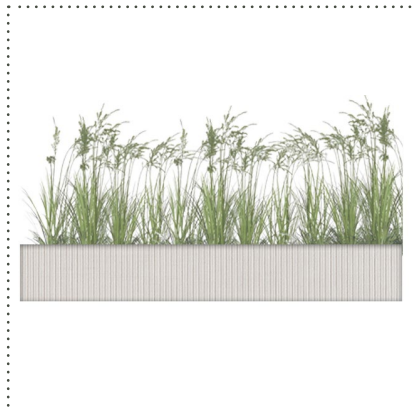
2 Office chair
Vital / Physi



3 Dental chair
Kavo Dental / Kavo Primus 1058



4 Plants integrated in furniture

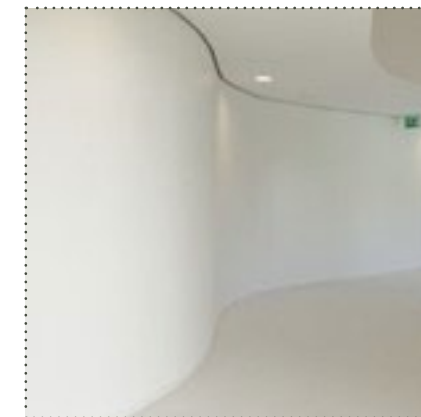


Finishing materials

Floors and walls coating

Sikagard WallCoat AS-11 Hygienic
Sikafloor DecoDur

Biological resistance
Anti-fungal and anti-bacterial



Customized furniture

Panels Cleaf / Paglia



Concept: dental room



Concept: manager's office

Furniture

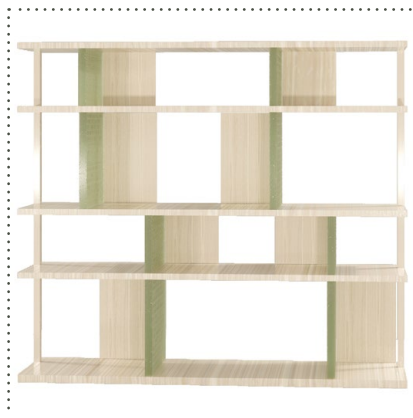
1 Working desk
Mor Design/ Front desk



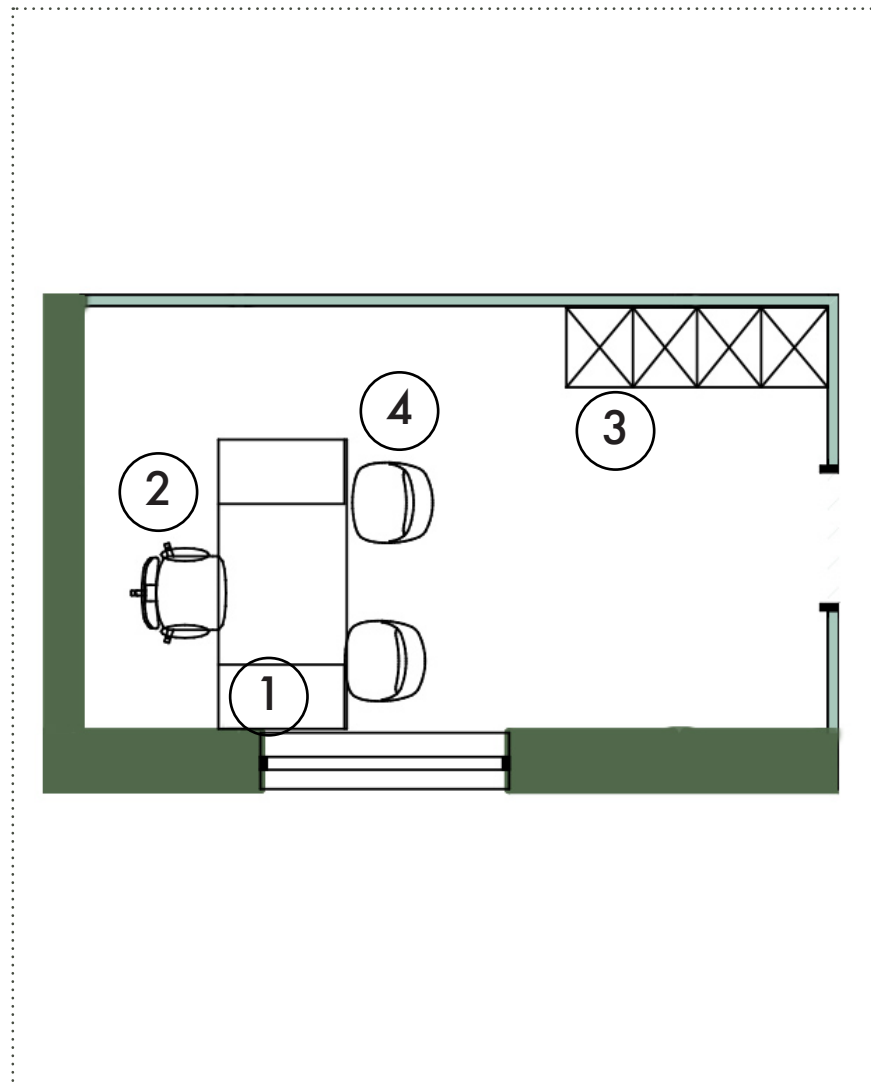
2 Office chair
Miniforms / Mula



3 Customized furniture



4 Lounge chair
Norr11 / Elephant

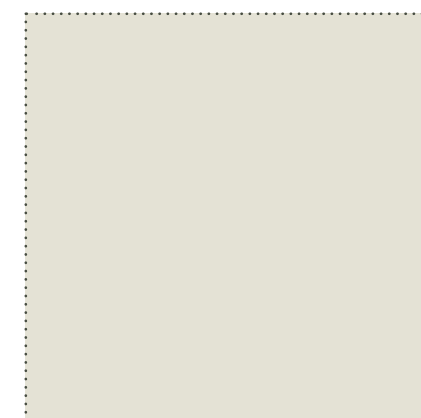


Finishing materials

Wood flooring
Barlinek/ Life line / Eiche Pudding
Molti



Walls painting
Little Greene/ Portland Stone - Light



Concept: staff room

Furniture, light

1 Dining table
Karimoku/N-DT01



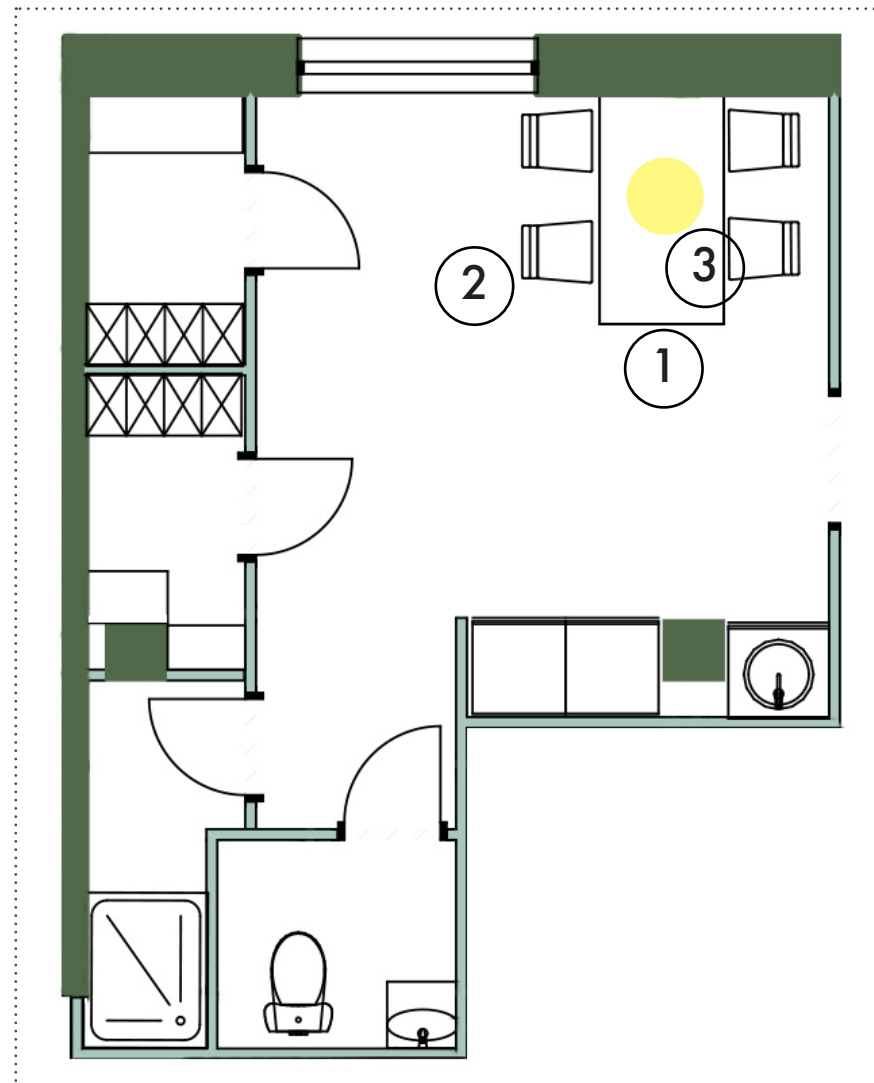
2 Chair
Karimoku / N-DC03



3 LED pendant lamp
Vibia/ ARRAY



4 Plants



Finishing materials

Wood flooring
Barlinek/ Life line / Eiche Pudding
Molti



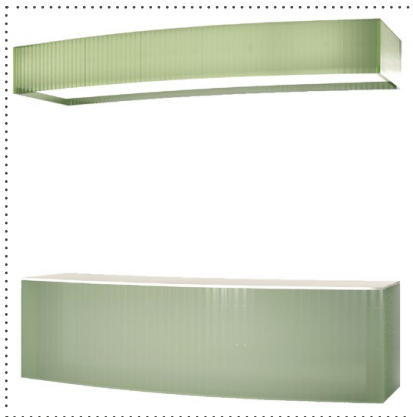
Walls painting
Little Greene/ Portland Stone - Light



Concept: hallway

Furniture

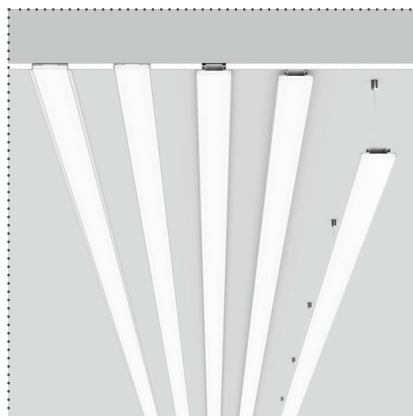
1 Customized reception



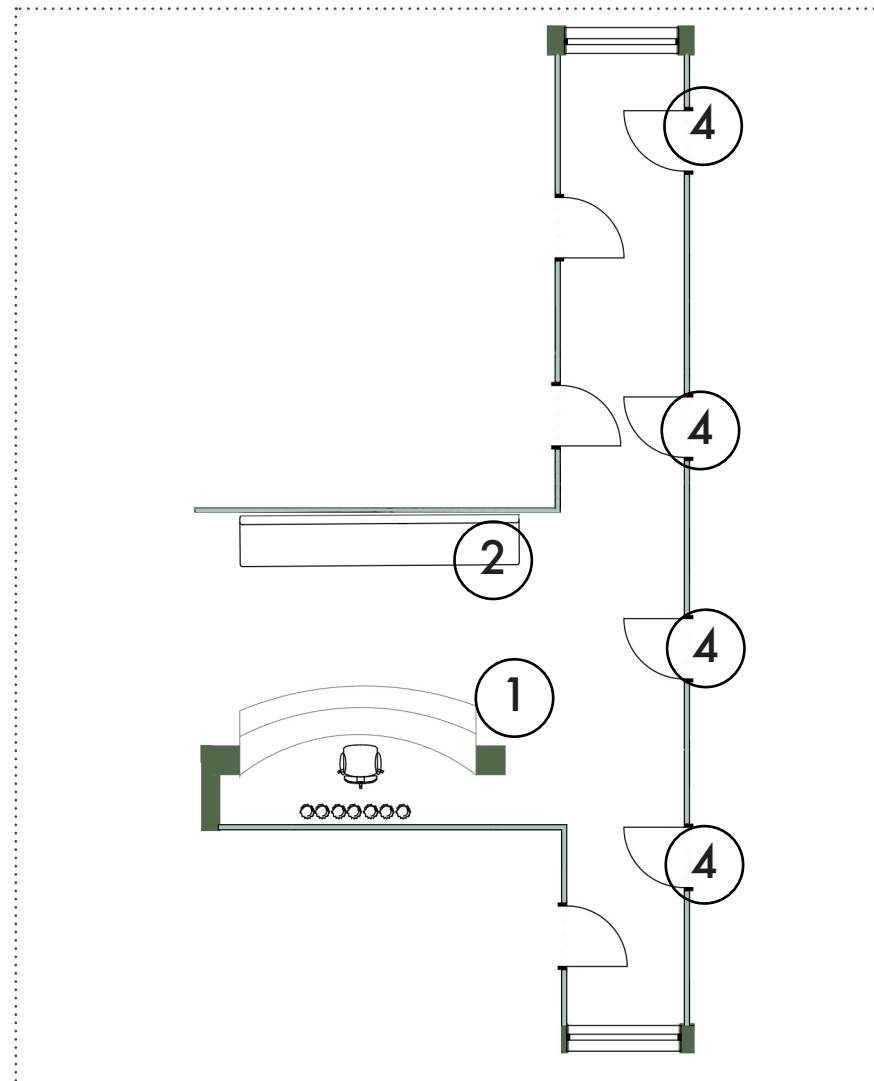
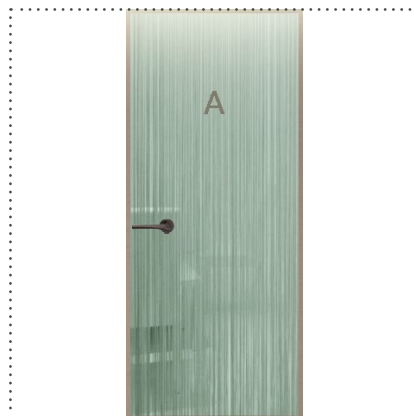
2 Sofa Lemamobili / Uma



3 Recessed light Xal / Leno



4 Customized doors

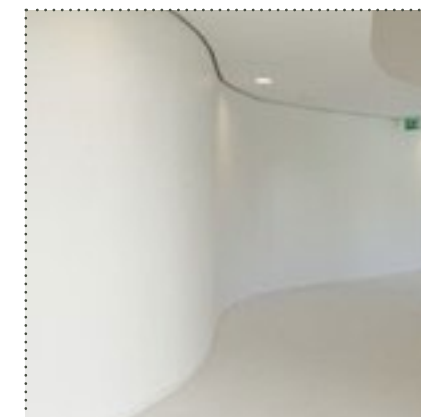


Finishing materials

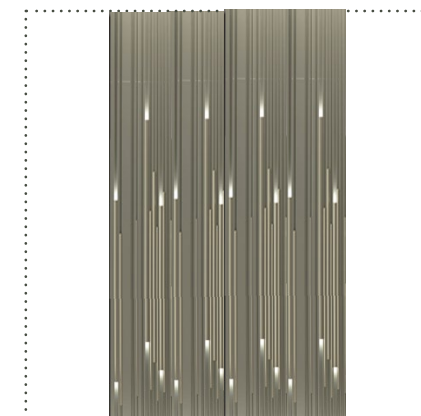
Floors and walls coating

Sikagard WallCoat AS-11 Hygienic
Sikafloor DecoDur

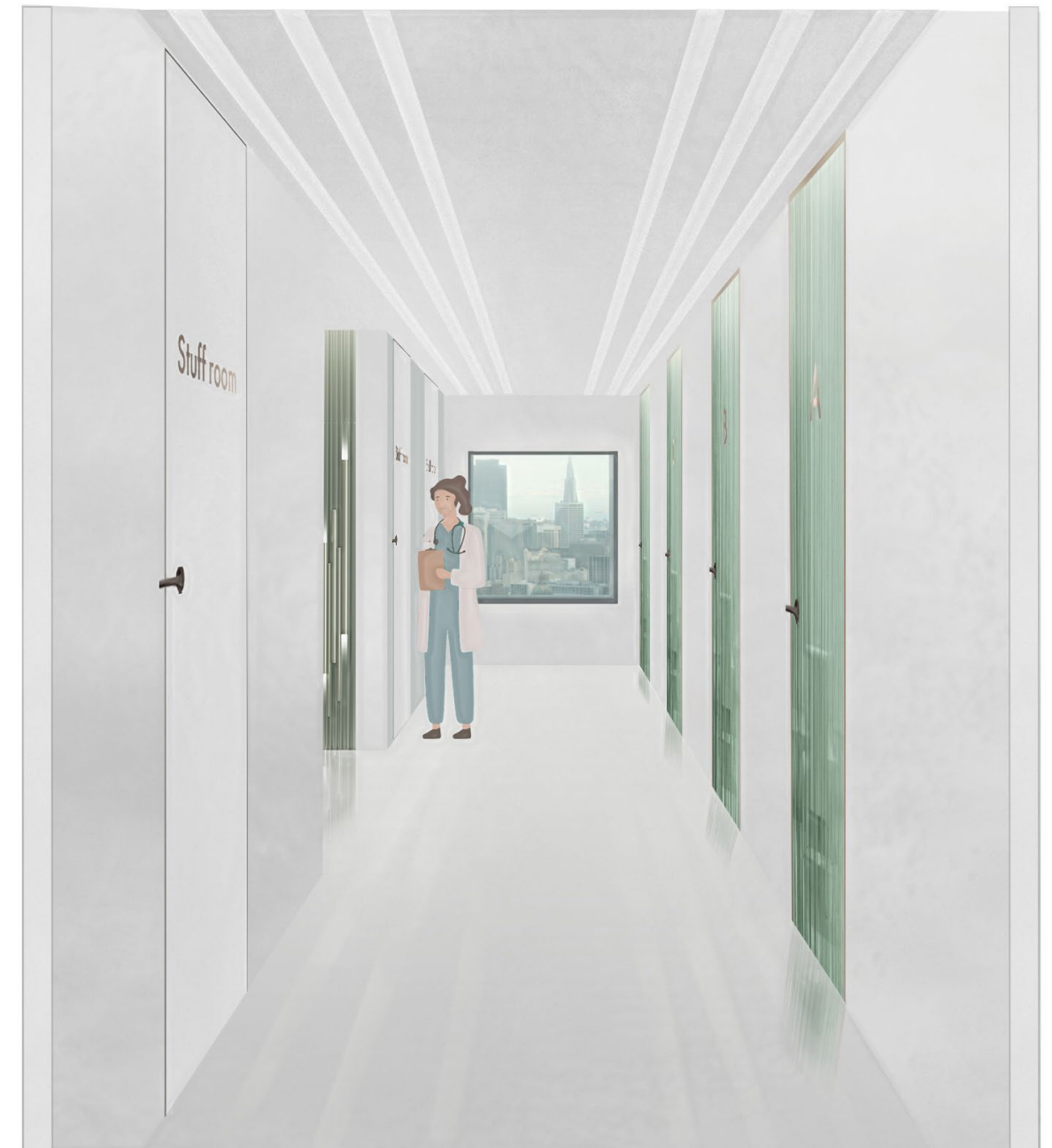
Biological resistance
Anti-fungal and anti-bacterial



Wall panels Laura Meroni/ Bamboo



Concept: hallway



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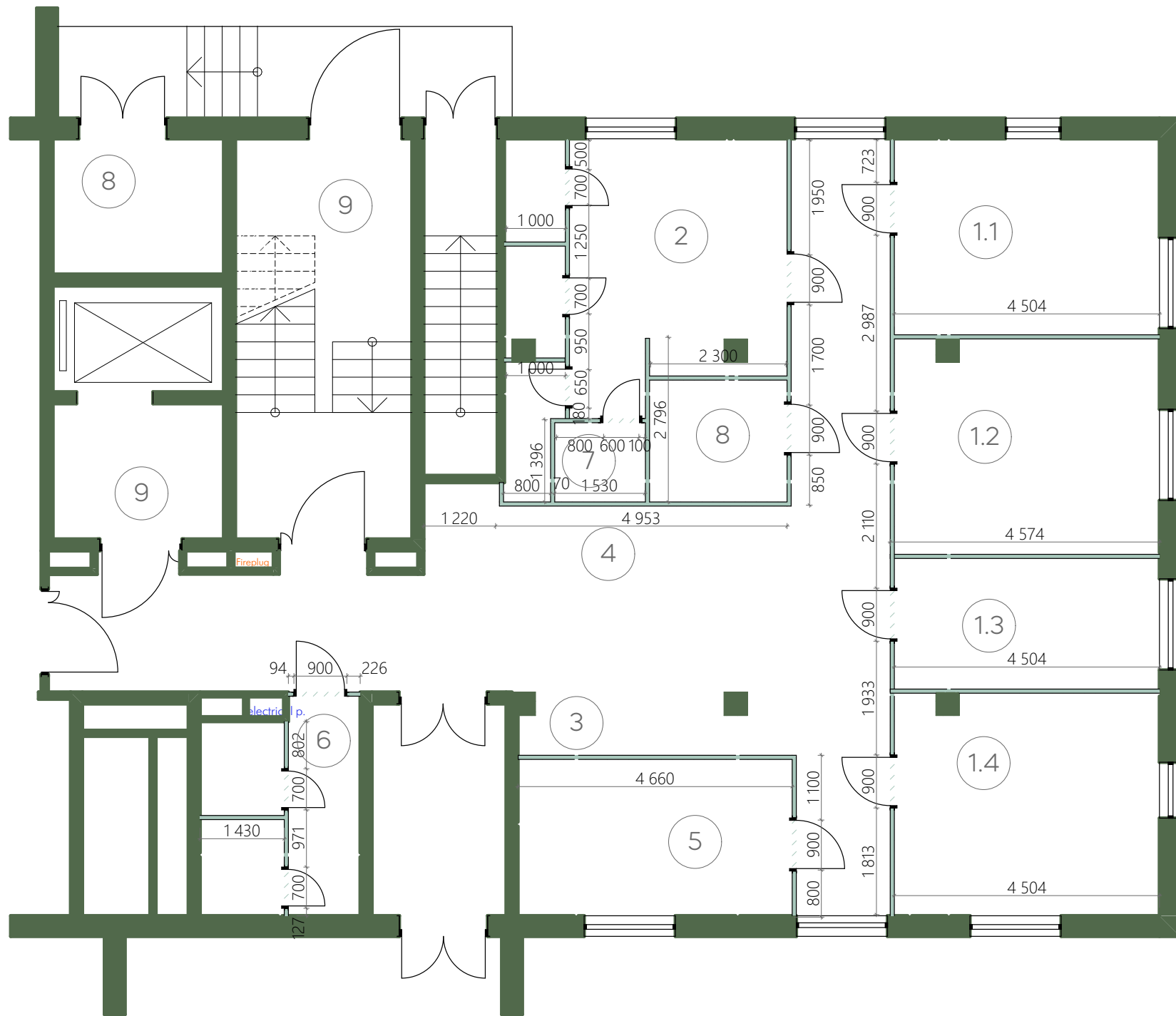
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Partitions plan

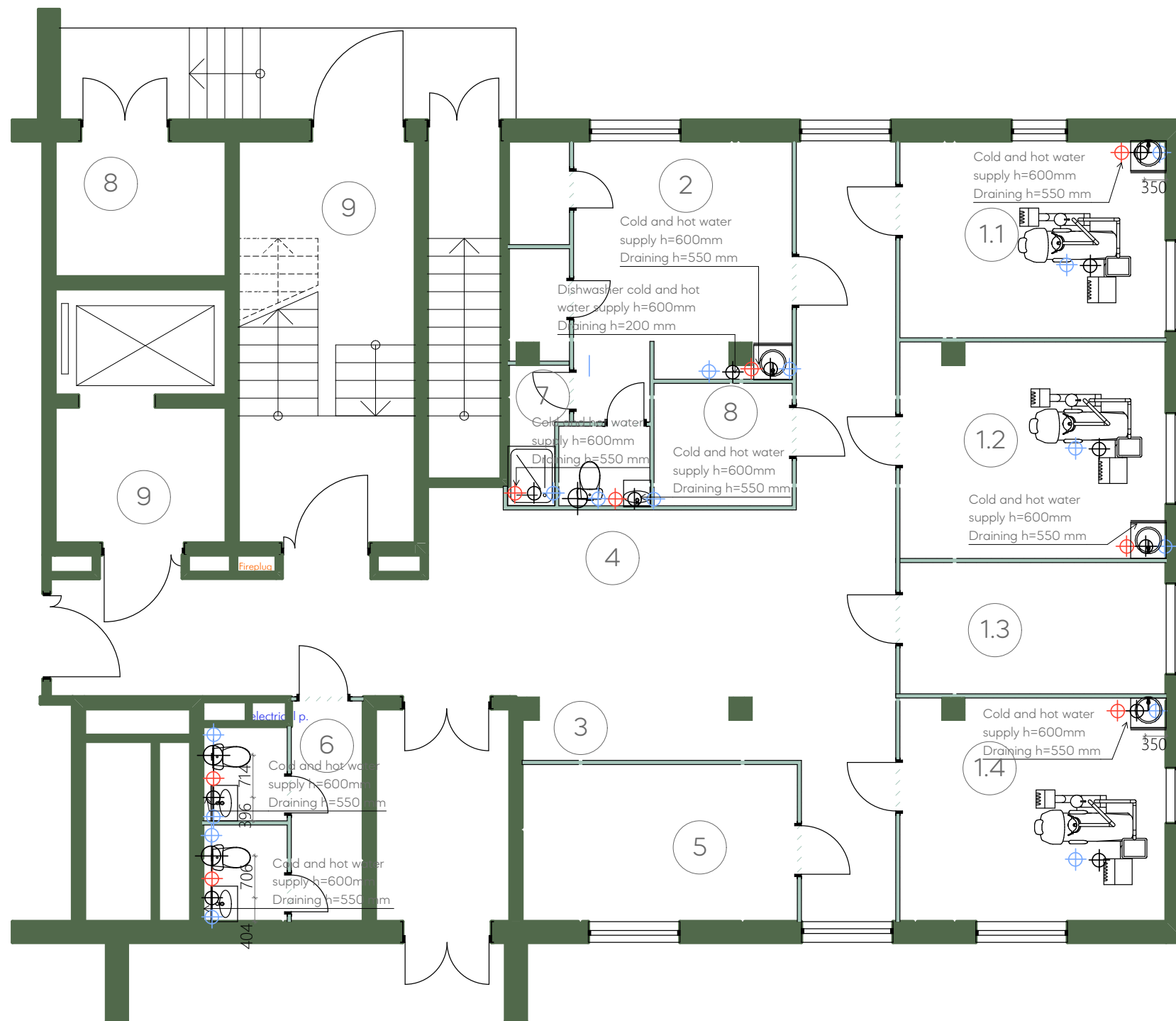


No	Room	Surface, m ²
1.1	Dental room	14,98
1.2	Dental room	16,49
1.3	X-ray cabinet	10,00
1.4	Dental room	17,02
2	Staff room	20,01
3	Reception	6,52
4	Lounge	7,65
5	Managers office	12,36
6	Clients bathroom	9,50
7	Staff bathroom	4,29
8	Storage	11,48
9	Transit area	103,96
		234,26 m ²

Existing bearings walls

New partitions Plasterboard KNAUF AQUAPANEL
Thickness 70 mm
Moisture-proof
Fire resistance limit EI 120
Sound isolation index RW 53db
H = 2700
Comon volume = 15,03 m³

Water supply and draining



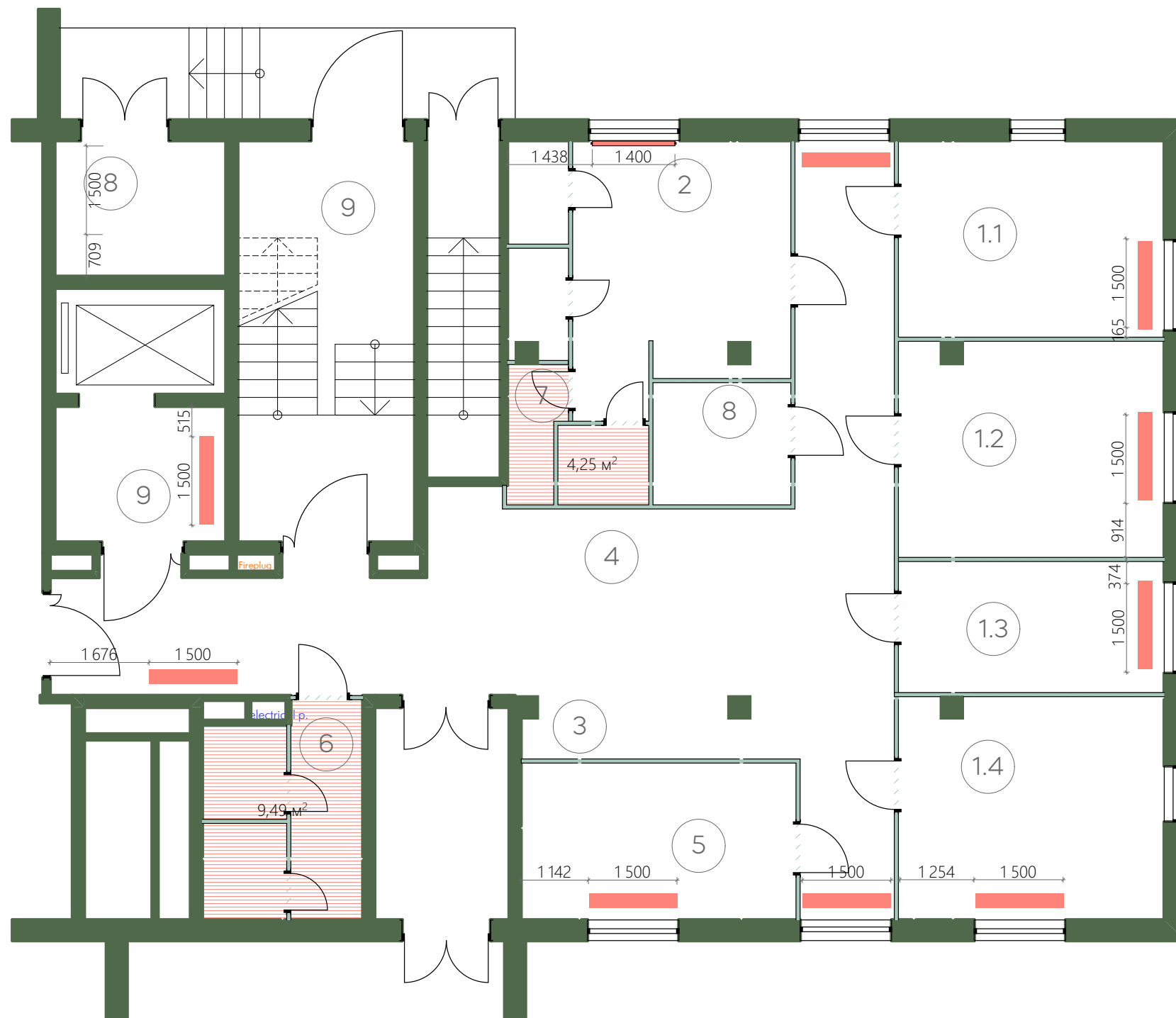
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		234,26 m ²

- ⊕ Hot water supply
- ⊖ Cold water supply
- ⊕ Water draining
- ⊕ Canalisation

Comments:

Provide all dental chairs with water supply and drainage according to the manufacturer's instructions

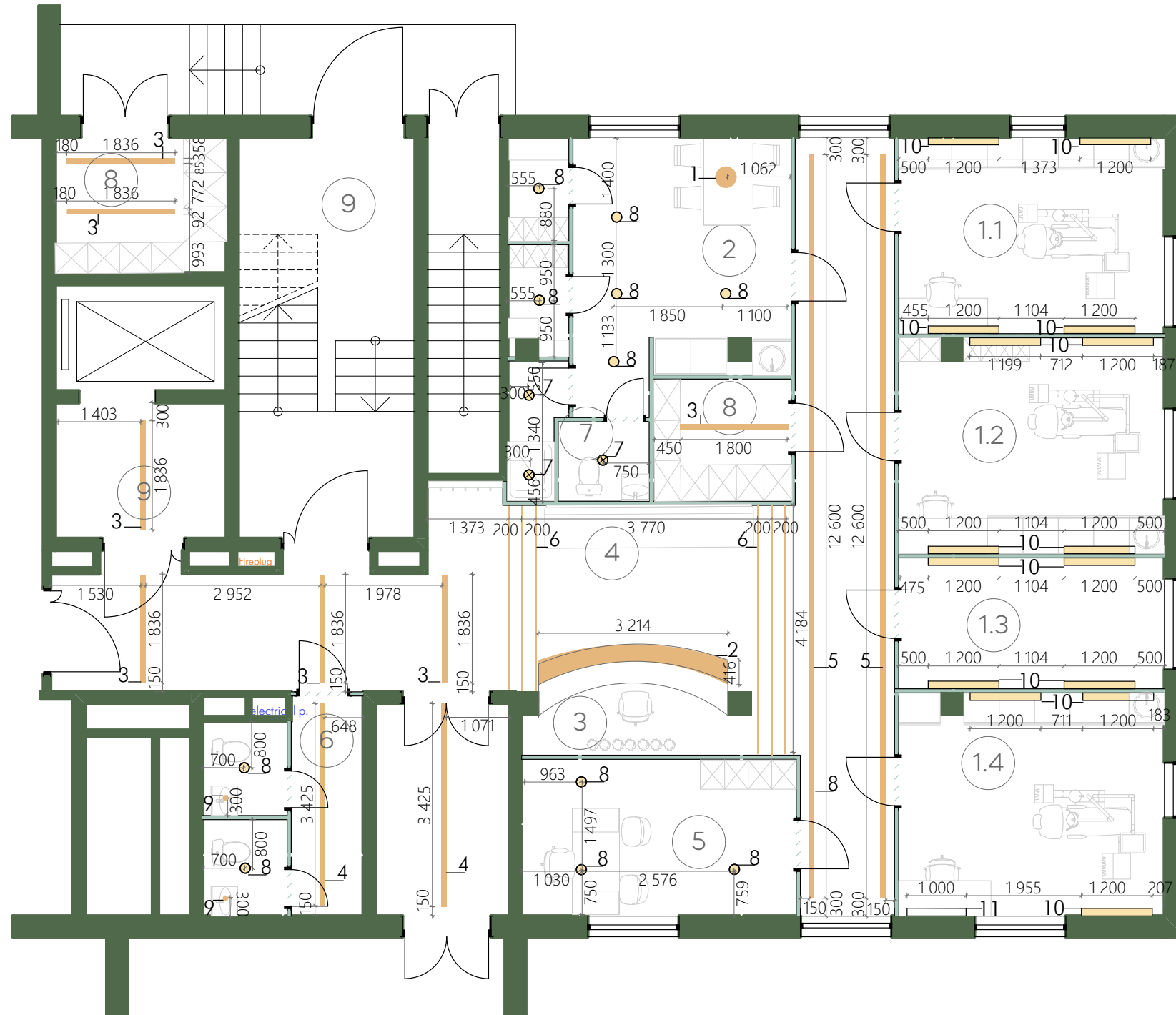
Heating equipment



No	Room	Surface, m ²
1.1	Dental room	14,98
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-  Convector Line Air, Heatmann
-  Wall heating panel, Warmset
-  Heating floor 12,7m²

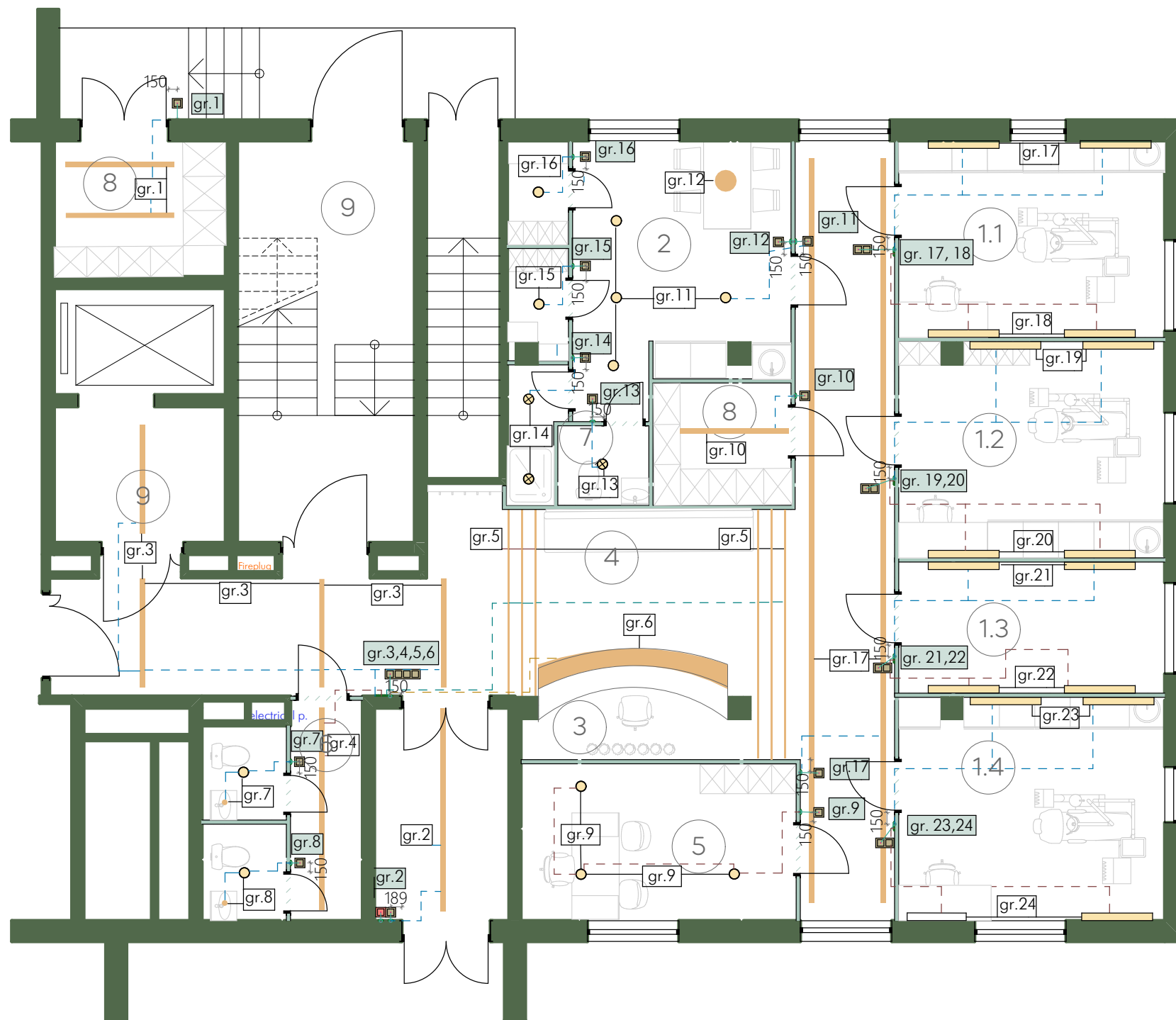
Lighting equipment



No	Room	Surface, m ²
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		234,26 m ²

Symbole on plan	No	Article	Producer	Qu-ty
	1	Array 1800 Pendant lamp	Vibia	1
	2	Customized light	XAL	1
	3	LENO opal trimless	XAL	7
	4	LENO opal trimless customized lenght	XAL	2
	5	LENO opal trimless customized lenght	XAL	2
	6	Profile W - FTL29 White - 375 00 00 W	Deltalight	6
	7	Sasso 60 trimless White RAL9016	XAL	3
	8	Sasso 60 trimless White RAL9016	XAL	10
	9	Silo, pendant lamp	Salvatori	2
	10	VITA horizontal 1213 Wall light	XAL	11
	11	VITA horizontal 1213 Wall light	XAL	1

Light switches layout



No	Room	Surface, m ²
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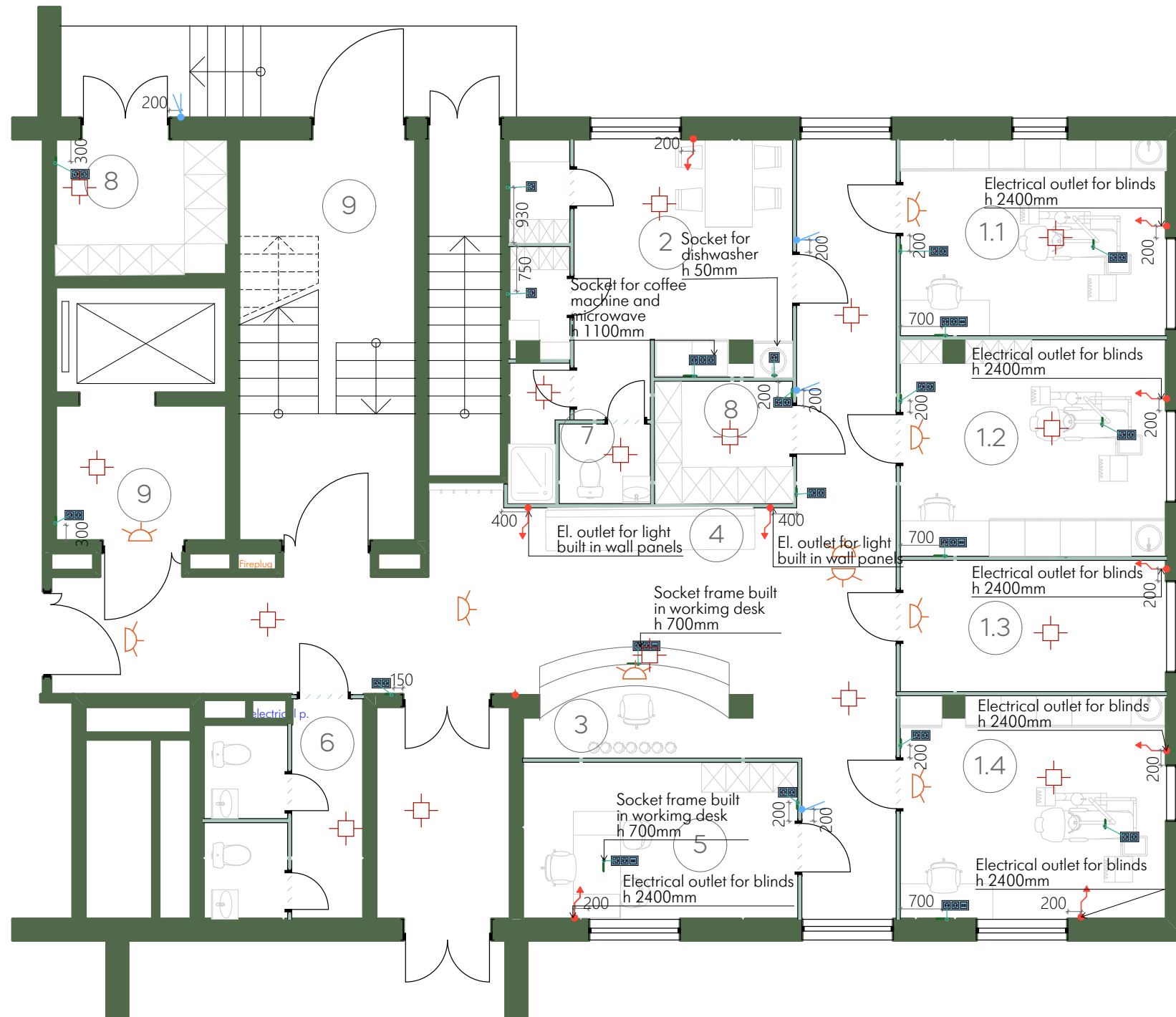
-  Single-key switch
-  Master switch

Comments:

Installation height of switches from the finished floor level - 900mm

Frames (2-4 switches) are to be installed horizontally

Sockets and electrical outlets



No	Room	Surface, m ²
1.1	Dental room	14,98
1.2	Dental room	16,49
1.3	X-ray cabinet	10,00
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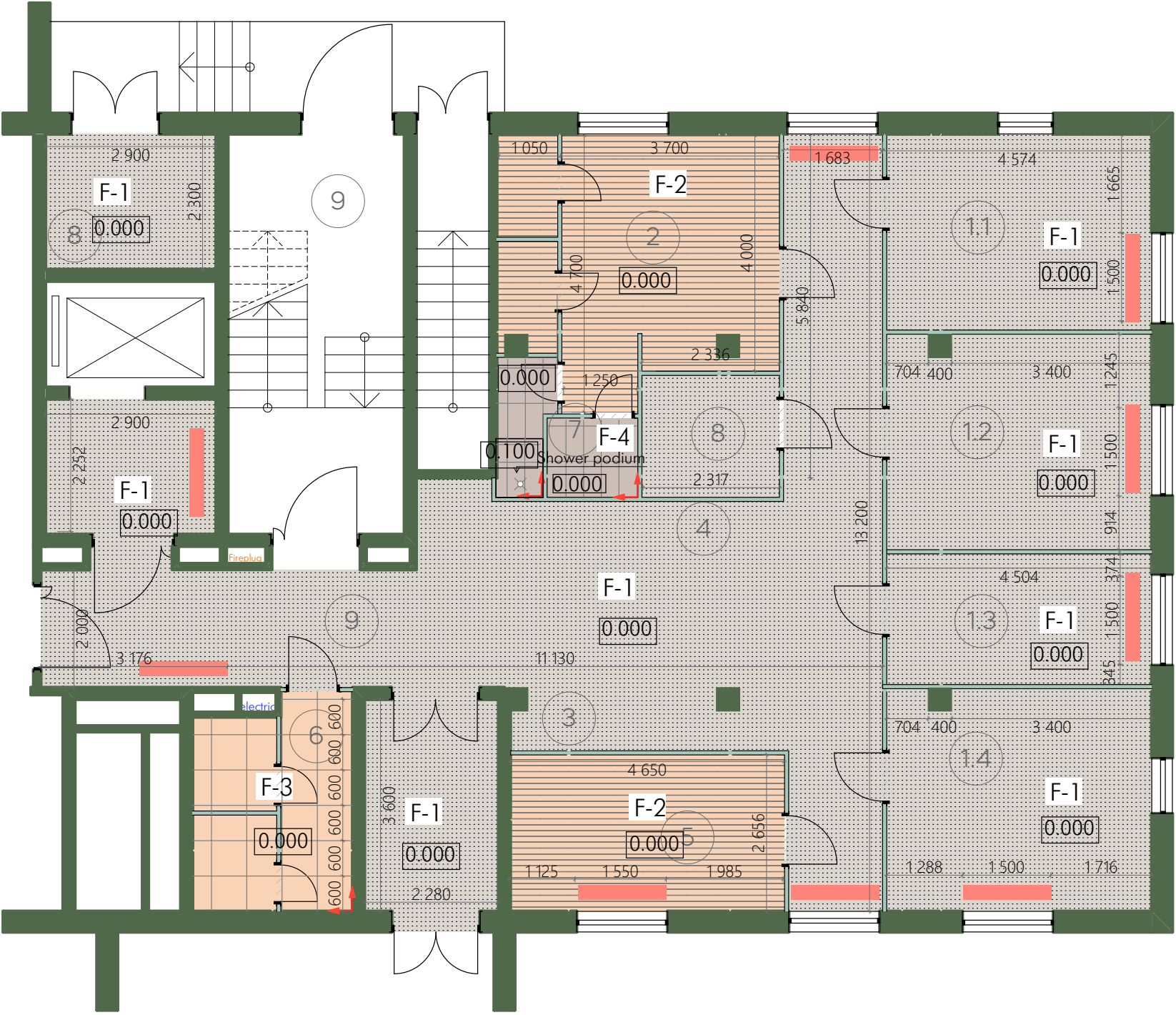
-  Electric outlet
-  Access Control System
-  Smoke sensor
-  Camera
-  Socket, 230V
-  RJ 45

Comments:

Sockets are to be installed on the height of 300 mm if not indicated otherwise

Sockets for dental chairs are to be installed according to the manufacturer's instructions

Floor finishing

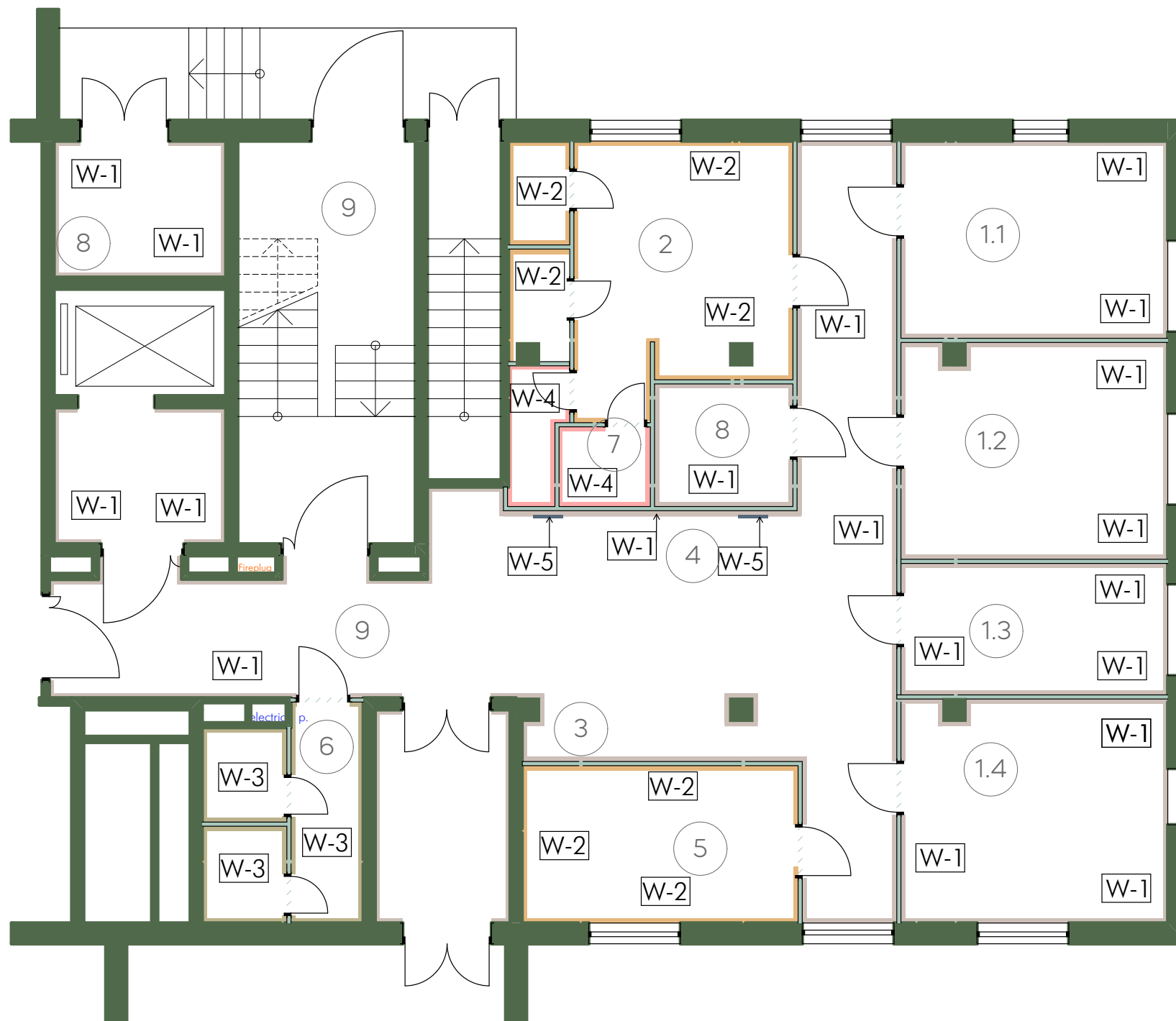


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5	Managers office	12,36
6	Clients bathroom	9,50
7	Staff bathroom	4,29
8	Storage	11,48
9	Transit area	103,96
		234,26 m ²

	Convector Line Air, Heatmann
	Shower drain
	Start laying out
	Finished floor level

Symbole on Mark plan	Picture	Item	Producer	Surface
		Silka ComfortFloor PS-27 Continuous floor coating Suits to hospitals	Silka	149,78
		Oak Pudding Multi Engineered wood flooring Width 180mm/Length 2200mm Thickness 14 mm	Barlinek	32,16
		Mineral White Textured Porcelain stoneware Width 600mm/Length 600mm Thickness 20 mm	Italon	9,50
		Mercury Brown Matt Porcelain stoneware Width 300mm/Length 600mm Thickness 9 mm	Italon	3,24

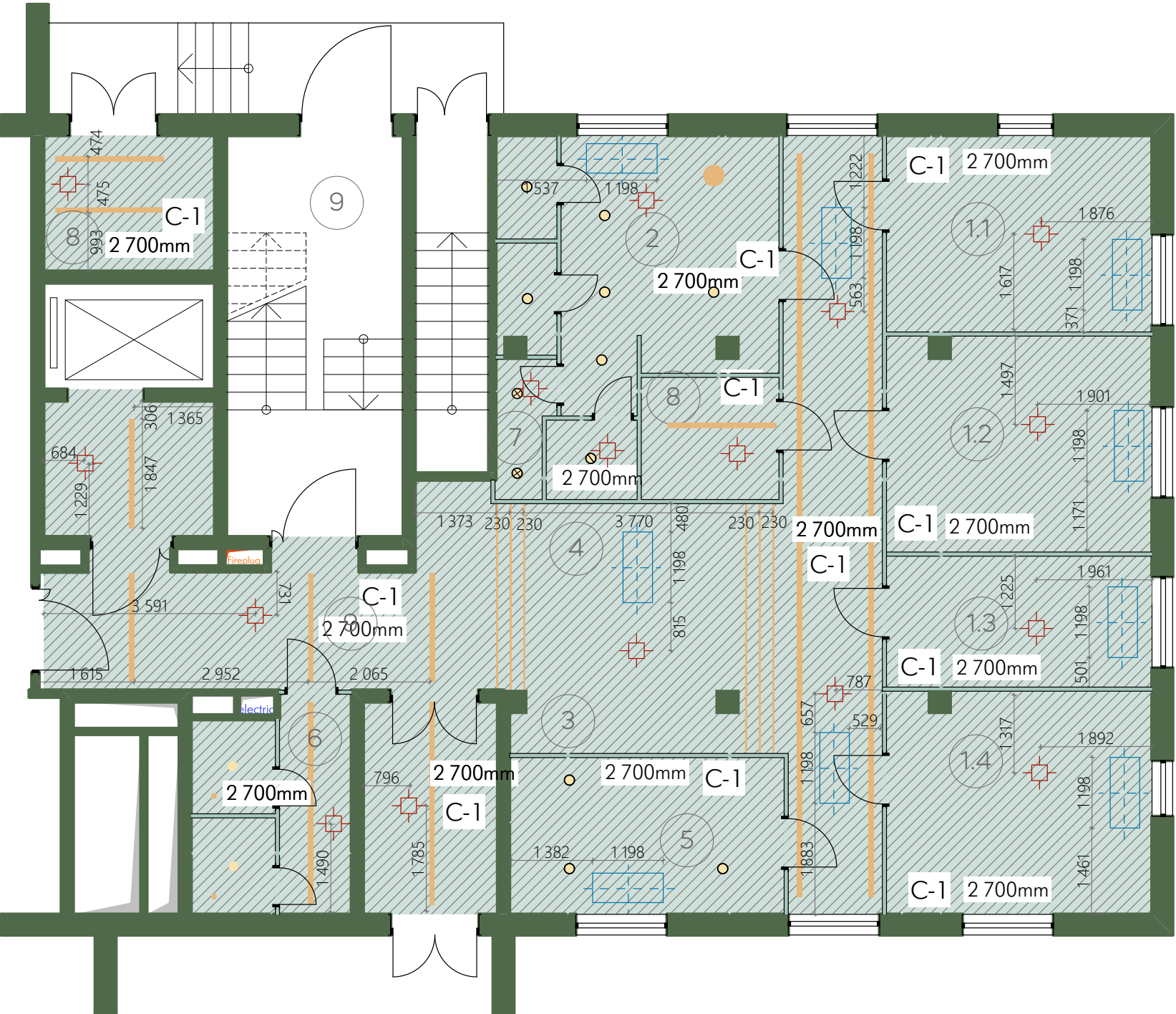
Walls finishing



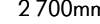
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Symbole on Mark plan	Picture	Item	Producer	Surface
W-1		Silkagard WallCoat AS-11 Hygienic wall coating	Silka	
W-2		Portland Stone-Light Wall painting	Little Green	
W-3		Pietra d'Avola Porcelainstonware 292x586x12 mm	Salvatori	
W-4		Moon White Matt Porcelainstonware 300x600x8 mm	Italon	
W-5		Bamboo Decorative panels with LED light	Laura Meroni	

Ceiling finishing



No	Room	Surface, m ²
1.1	Dental room	14,98
1.2	Dental room	16,49
1.3	X-ray cabinet	10,00
1.4	Dental room	17,02
2	Staff room	20,01
3	Reception	6,52
4	Lounge	7,65
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		234,26 m ²

-  DVM Chiller - 1 Way Cassette windfree air conditioning unit, Samsung
-  Smoke sensor
-  Pendant lamp, Array, Vibia
-  Recessed ceiling light, Leno opal, XAL
-  Surface mounted profile, Deltalight
-  Pendant lamp, Silo, Salvatori
-  Round recessed spotlight, Sasso 60, XAL
-  2 700mm Ceiling height from finished floor level

Symbol on Mark plan	Picture	Item	Producer	Surface
		Eleganza Seamless ceiling system Sound absorption Light Reflectance Fire Resistance Euro class A2-s1 Humidity Resistance Base board size: 2400x1200mm	Knauf	204,00 m ²

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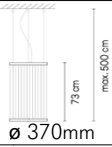
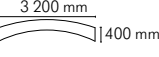
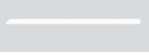
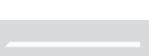
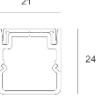
Specifications

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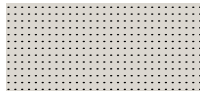
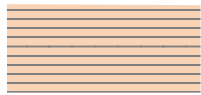
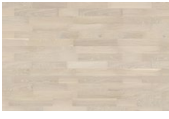
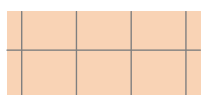
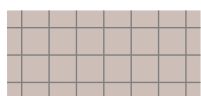
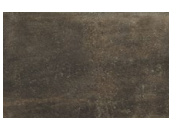
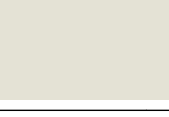
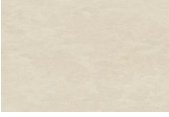
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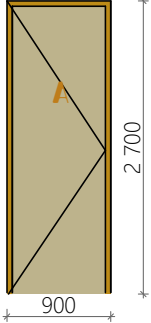
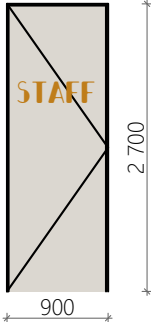
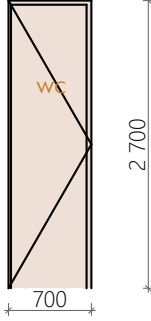
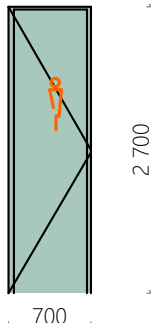
Lighting specification

Symbole on plan	No	Picture	Article	Producer	Discription	Dimensions	Qu-ty
	1		Array 1800 Finish: 47 Green L1 NCS S 4005-G80Y	Vibia	Pendant lamp 2700 K CRI>90 2662 lm		1
	2		Customized light		Customized light integrated in reception furniture		1
	3		LENO opal trimless 051-8316637H	XAL	Ceiling recessed light white, RAL9016 4000 K, CRI>80 2130 lm/m, 3890 lm front IP40, back IP20	length 1836 mm width 92 mm height 13 mm	7
	4		LENO opal trimless 051-8316637H customized length	XAL	Ceiling recessed light white, RAL9016 4000 K, CRI>80 2130 lm/m front IP40, back IP20	length 3 425 mm width 92 mm height 13 mm	2
	5		LENO opal trimless 051-8316637H customized length	XAL	Ceiling recessed light white, RAL9016 4000 K, CRI>80 2130 lm/m front IP40, back IP20	length 12 600 mm width 92 mm height 13 mm	2
	6		Profile W - FTL29 White - 375 00 00 W	Deltalight	Surface mounted profile 4000 K CRI >90 IP20 1070 lm	 length 3 560 mm	6
	7		Sasso 60 trimless White RAL9016	XAL	Round recessed spotlight 2700 K CRI>90 74 lm/W, 12,6W beam angle 22°	diameter 73 mm height 48 mm trimless	3
	8		Sasso 60 trimless White RAL9016	XAL	Round recessed spotlight 2700 K CRI>90 74 lm/W, 12,6W beam angle 46°	diameter 73 mm height 48 mm trimless	11
	9		Silo	Salvatori	Pendant lamp 3000 K 3 x 300 lm beam angle 60°	Trio Ø100 mm	2
	10		VITA horizontal 1213 direct / indirect 099-9137136A	XAL	Wall direct/indirect light 4000 K, CRI>90 indirect 8 950 lm direct 8 950 lm total 17 900 lm	length 1213 mm width 160 mm height 70 mm	15
	11		VITA horizontal 1013 direct / indirect 099-9166136A	XAL	Wall direct/indirect light 4000 K, CRI>90 indirect 7 460 lm direct 7 460 lm total 14 920 lm	length 1013 mm width 160 mm height 70 mm	1

Finishing specification

	Symbole on Mark plan	Picture	Item	Producer	Surface
Floor	 F-1		Silka ComfortFloor PS-27 Continuous floor coating Suits to hospitals	Silka	149,78
	 F-2		Oak Pudding Multi Engineered wood flooring Width 180mm/Length 2200mm Thickness 14 mm	Barlinek	32,16
	 F-3		Mineral White Textured Porcelain stoneware Width 600mm/Length 600mm Thickness 20 mm	Italon	9,50
	 F-4		Mercury Brown Matt Porcelain stoneware Width 300mm/Length 600mm Thickness 9 mm	Italon	3,24
Walls	 W-1		Silkagard WallCoat AS-11 Hygienic wall coating	Silka	
	 W-2		Portland Stone-Light Wall painting	Little Green	
	 W-3		Pietra d'Avola Porcelain stoneware 292x586x12 mm	Salvatori	
	 W-4		Moon White Matt Porcelain stoneware 300x600x8 mm	Italon	
	 W-5		Bamboo Decorative panels with LED light	Laura Meroni	
Ceiling	 C-1		Eleganza Seamless ceiling system Sound absorption Light Reflectance Fire Resistance Euro class A2-s1 Humidity Resistance Base board size: 2400x1200mm	Knauf	204,00

Doors specification

Drawing	Mark	Item	Producer	Qu-ty
	D-1	Sherazade Swing Plain Door leaf: Patterned glass, cedro 211 Glas Italia Frame: Riflettente Bronzo 506		4
	D-2	Flush-fitting swing door with access control system	Scrigno	3
	D-3	Flush-fitting swing door with access control system	Scrigno	2
	D-3	Flush-fitting swing door in panel system	Laura Meroni	2

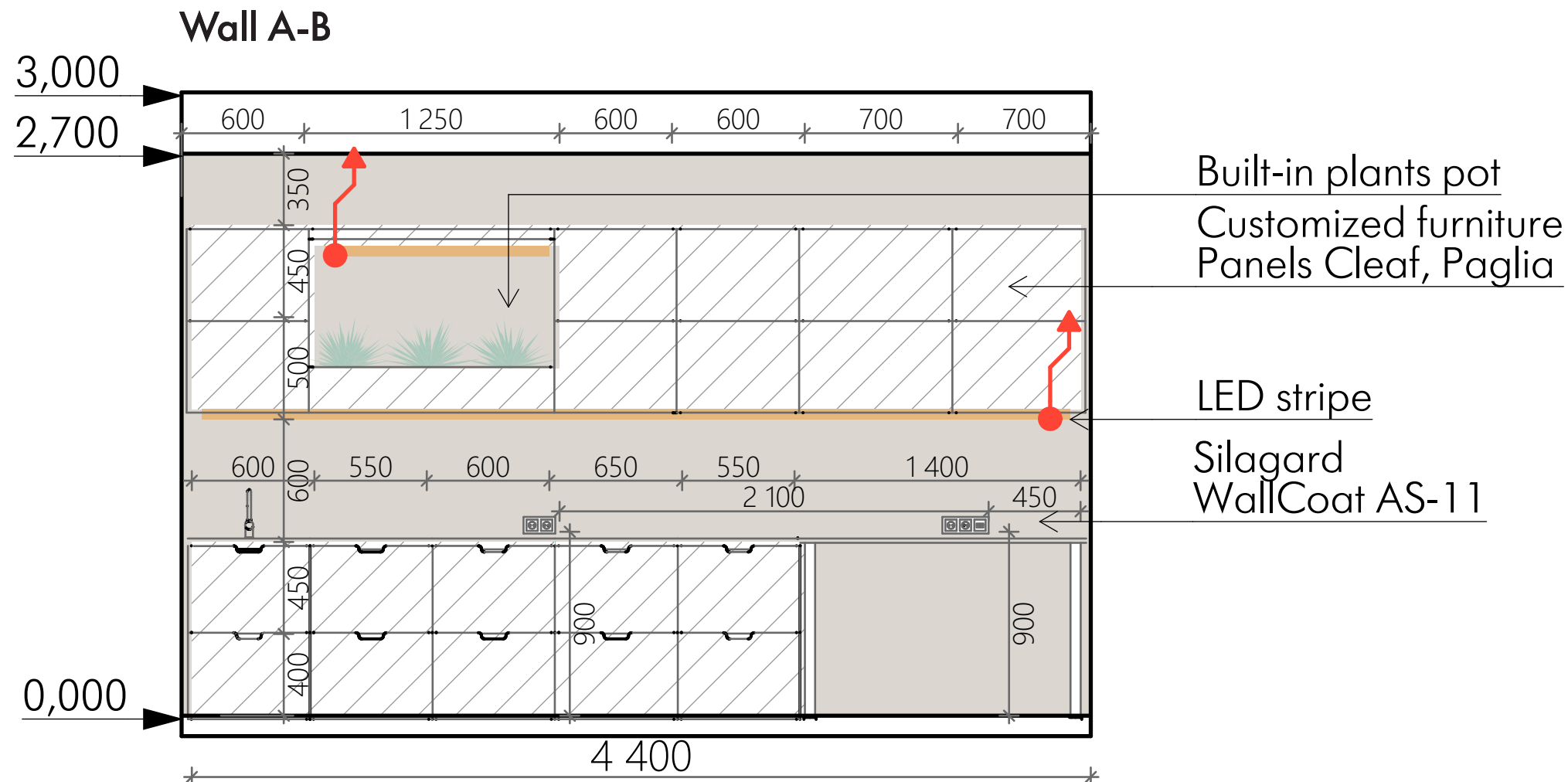
CONTENT

5

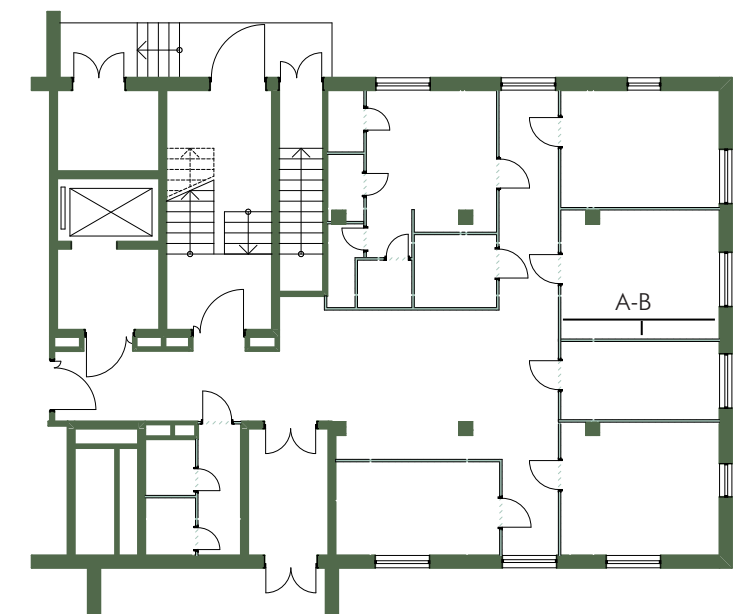
Technical drawings

Unfolded view: dental room.....	31
Unfolded view: wall panels.....	32
Decorative panels: details.....	33
Unfolded view: doors.....	34
Floor details.....	35

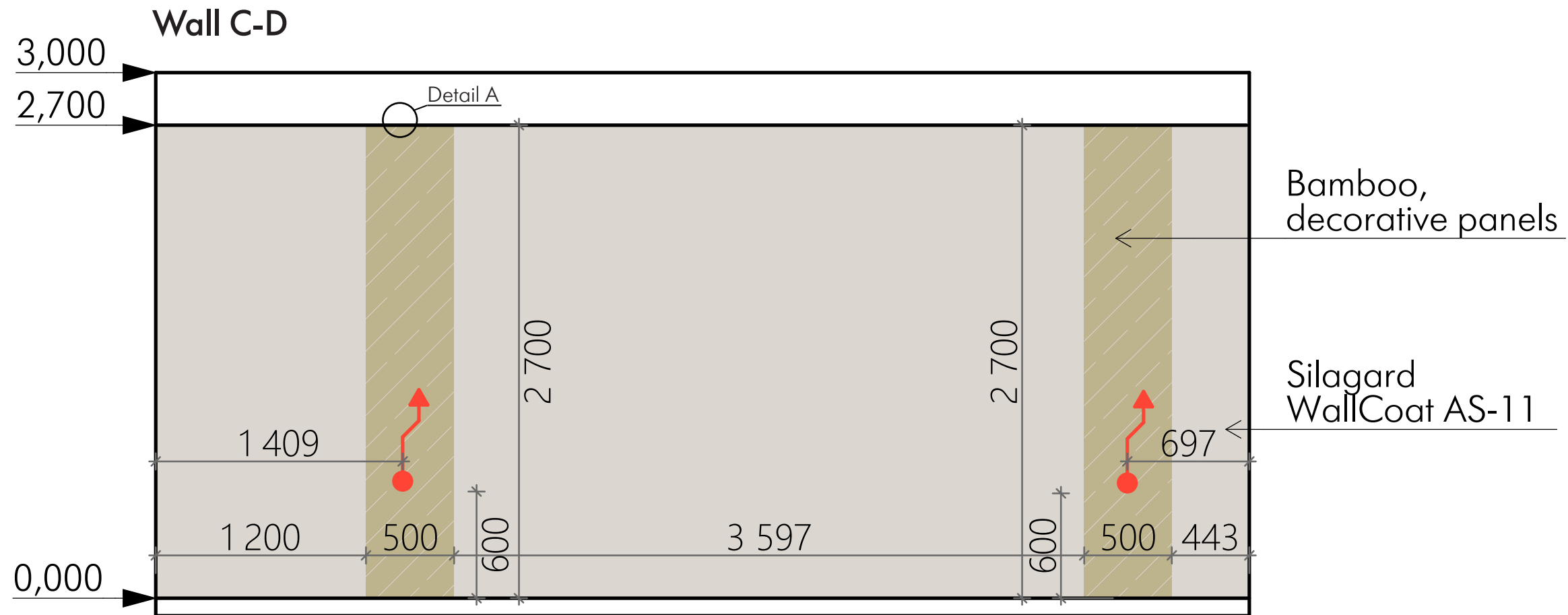
Unfolded view: dental room



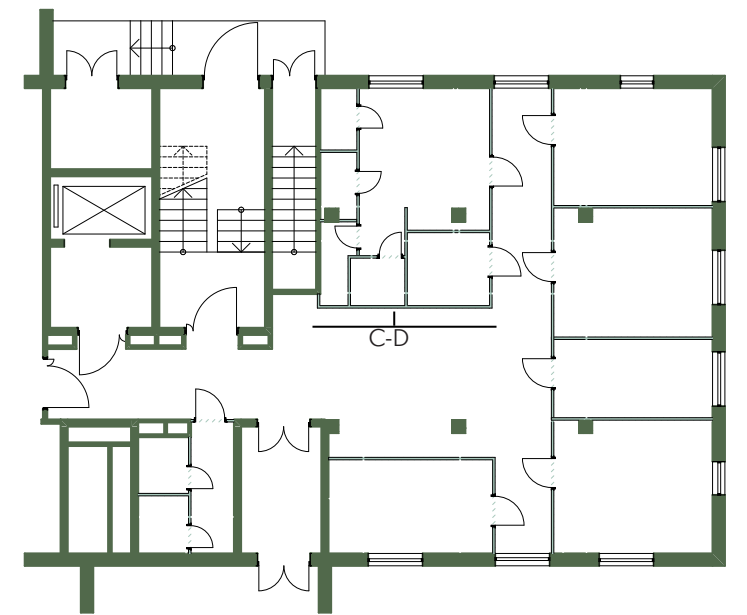
-  Electric outlet for LED light
-  Panels Cleaf, Paglia
-  Wall coating, AS-11, Silagard
-  LED stripe



Unfolded view: walls panels

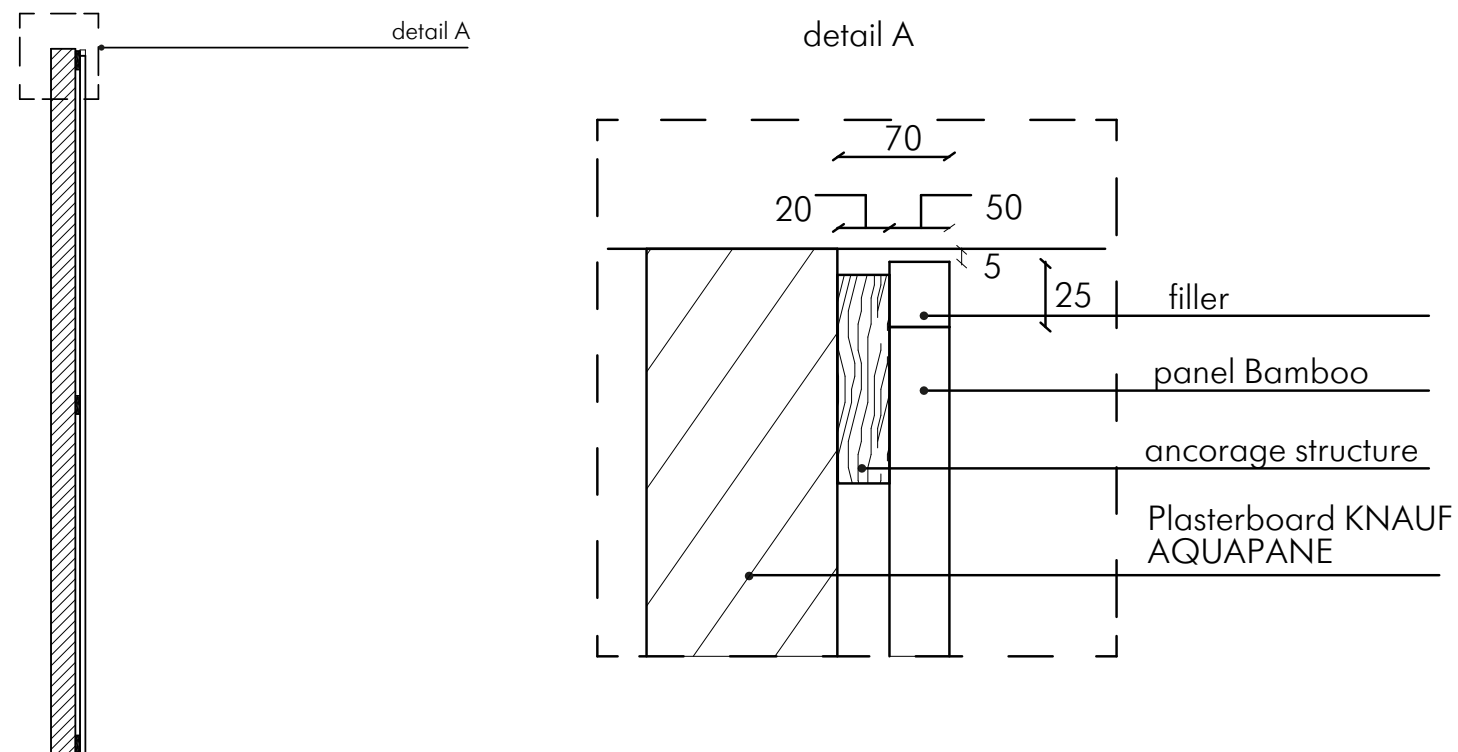


-  Electric outlet for LED light
-  Silagard WallCoat AS-11 Hygienic wall coating, Silka
-  Bamboo, Decorative panels with LED light, Laura Meroni



Decorative panels: details

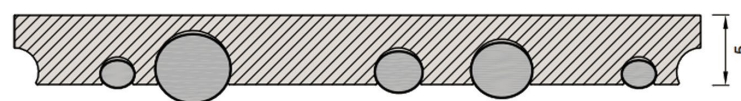
Detail A



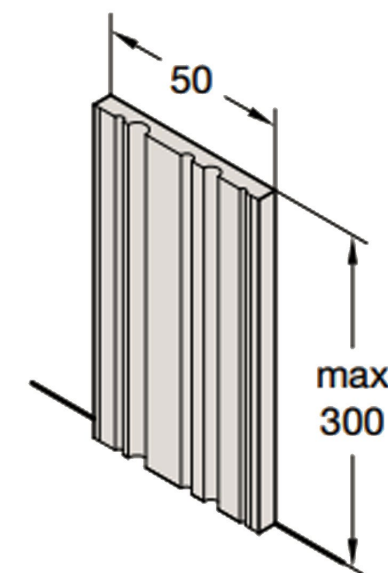
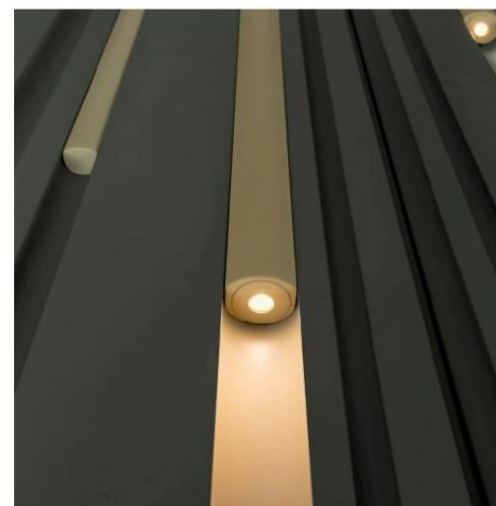
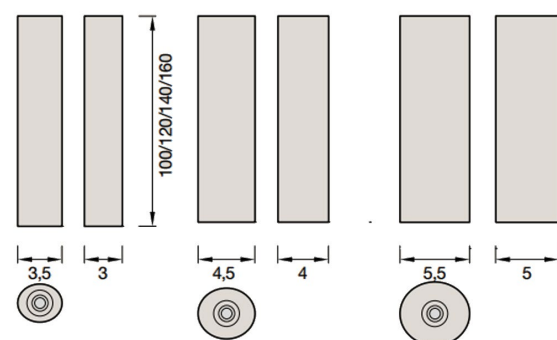
Decorative panels with integrated LED light.
art. Bamboo, Laura Meroni



Section

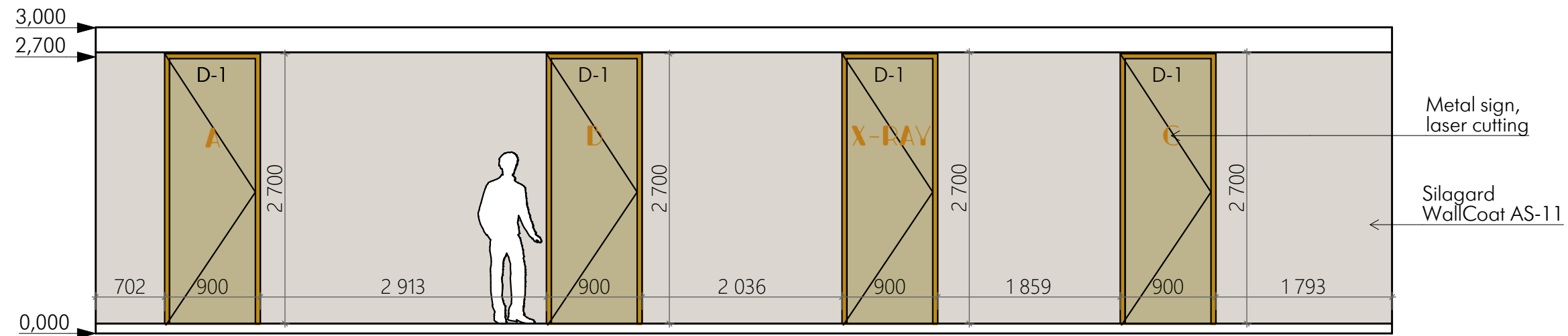


Profiles with LED lighting

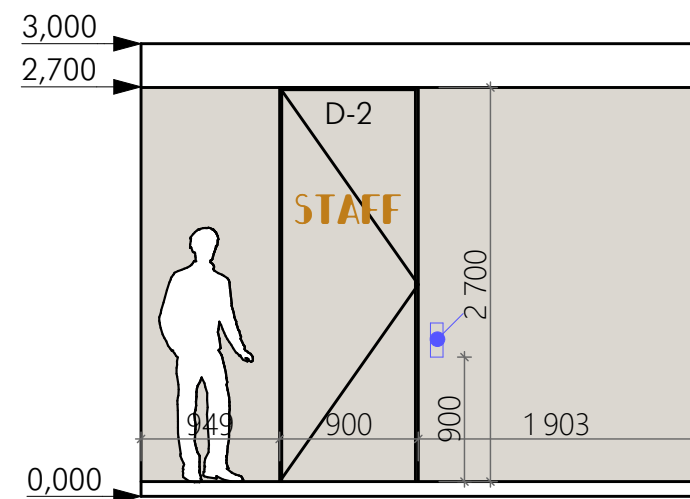


Unfolded view: doors

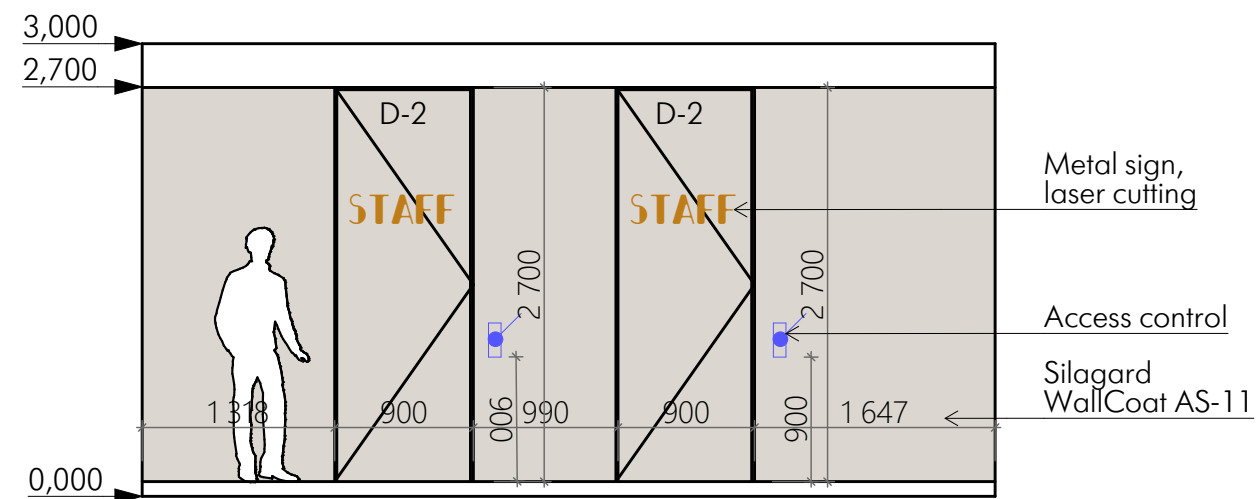
Wall E-F



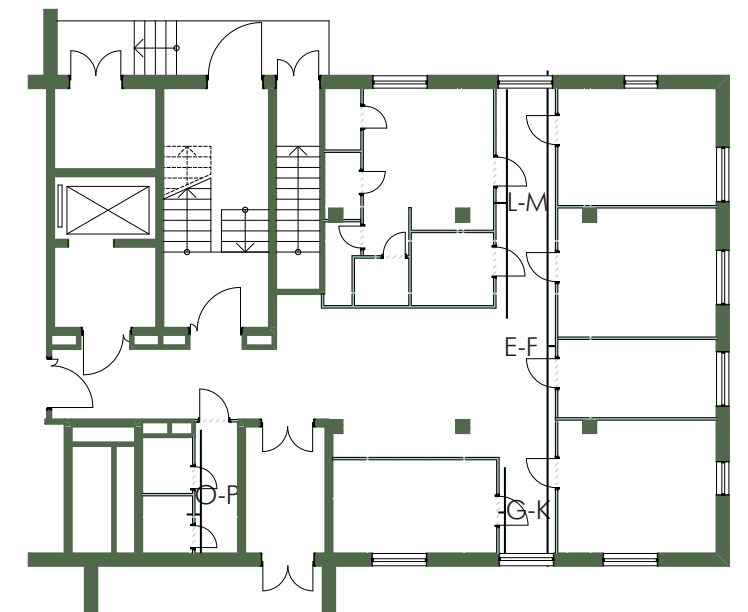
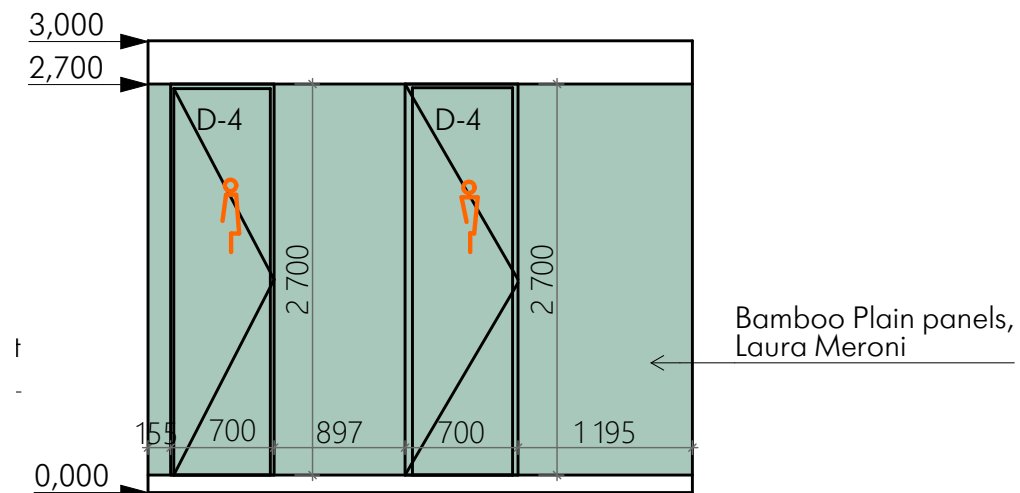
Wall G-K



Wall L-M

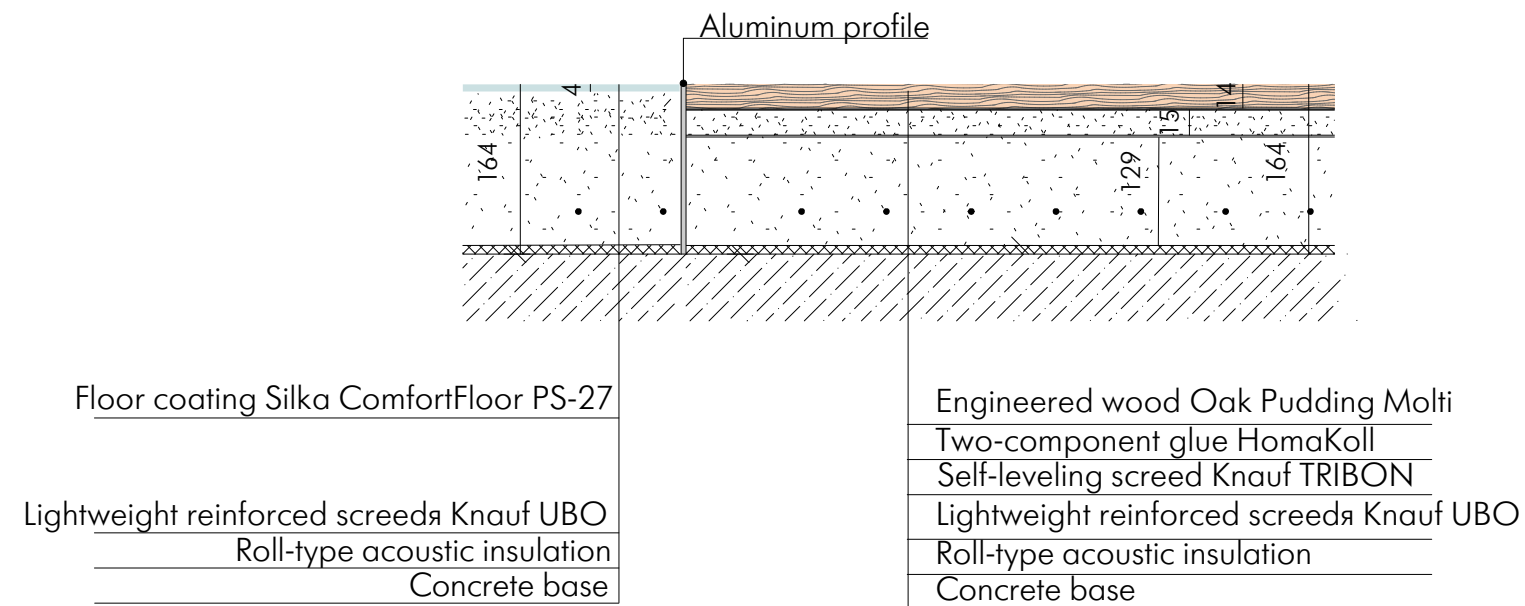


Wall O-P

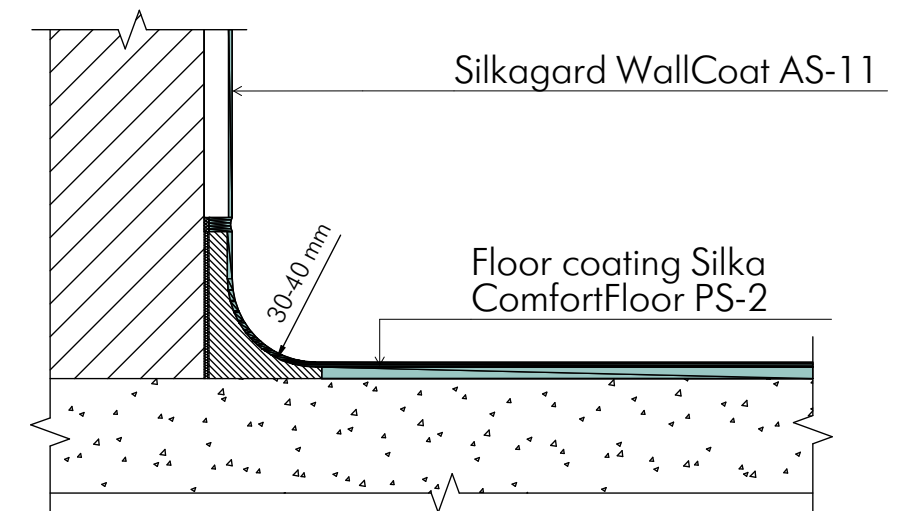


Floor details

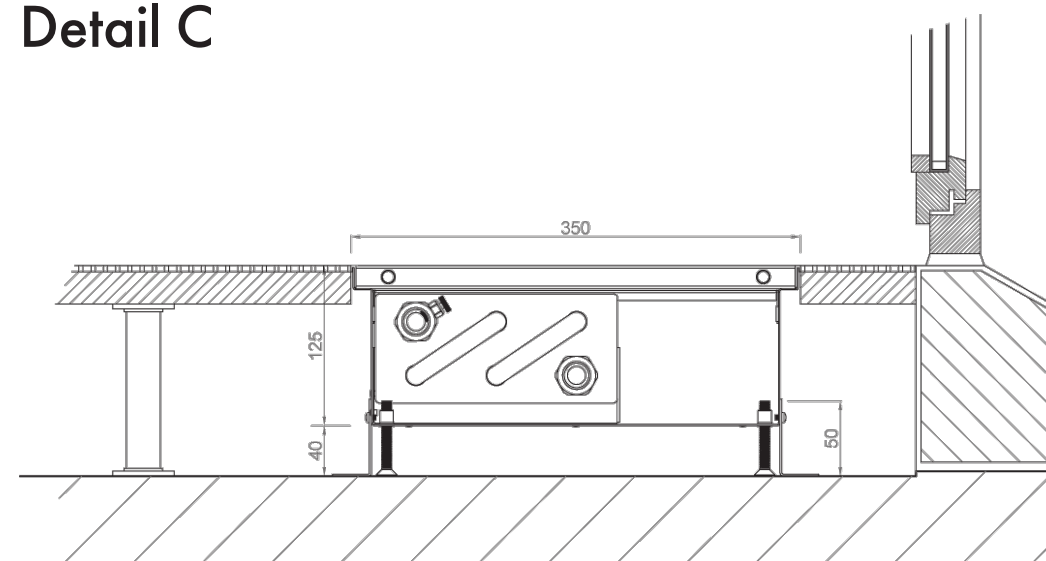
Detail B



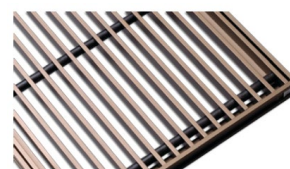
Seamless wall-floor junction



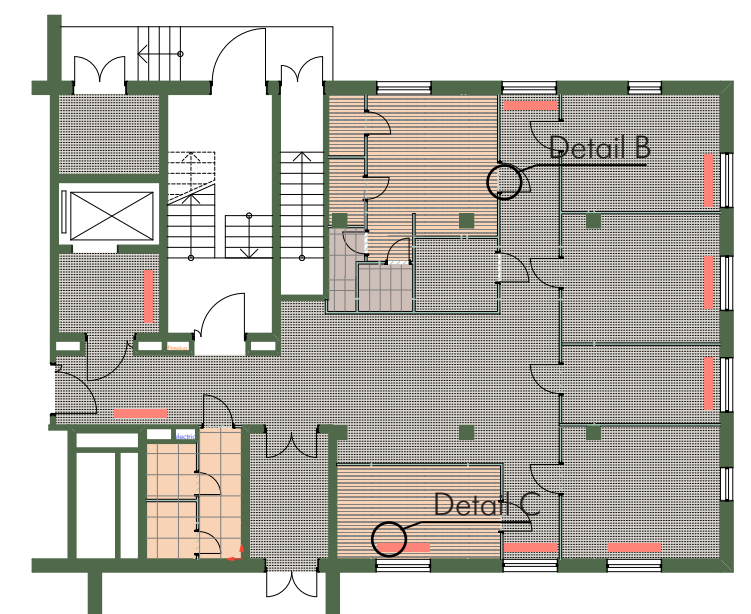
Detail C



Floor convector Line,
Heatmann



Frame: aluminum bronze,
anodized



CONTENT

6

Visualisations

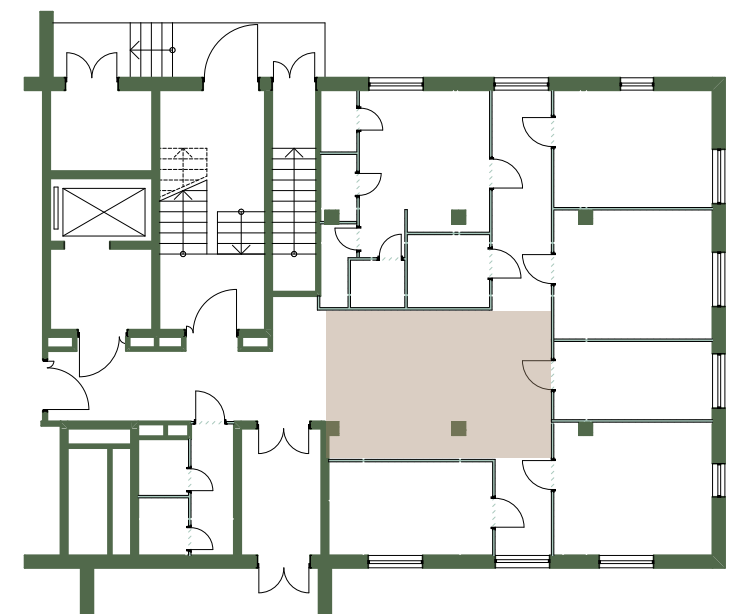
Lounge zone	37
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Manager’s office	42
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Lounge zone



Upon entering the first floor, the visitor finds themselves in a small waiting area combined with the reception zone.

The use of green color is intended to have a positive impact on the individual's psyche, aiming to reduce the stress associated with visiting the dental clinic.

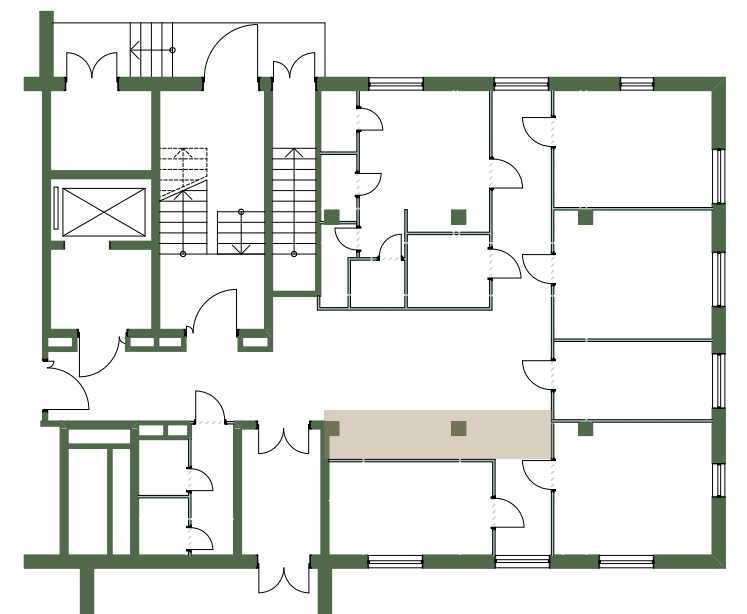


Reception



The reception desk is custom-made from transparent material. Lighting fixtures from XAL, specially ordered, are integrated into the upper part of the structure.

Behind the desk, there is a wall of trailing plants. This touch of nature within the context of white finishes aims to soften the clinical atmosphere and create a calming mood for visitors.

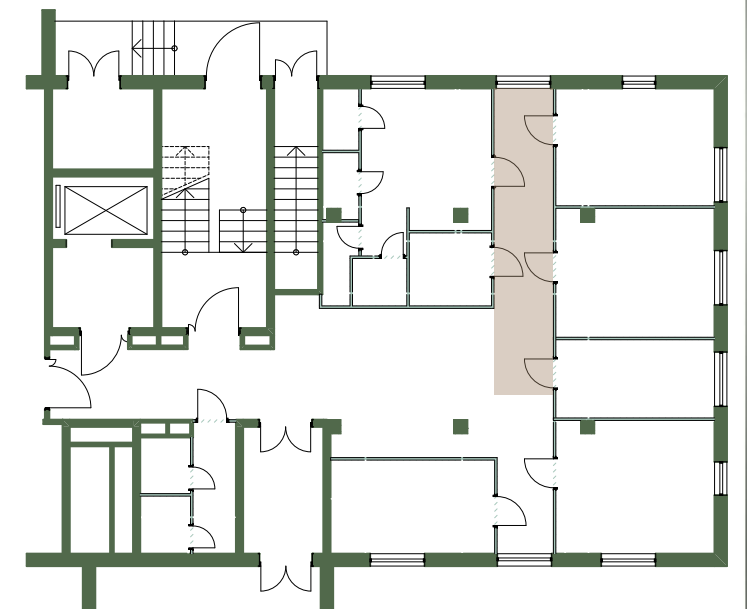


Hallway



The medical offices are situated along a bright corridor with windows on two opposite sides. Visitor room doors are made of translucent material, harmonizing with the reception desk. Meanwhile, service room doors are located on the opposite side of the corridor and are “camouflaged” as walls to prevent visitors from accidentally entering service areas.

Lighting systems from XAL are designed in the form of horizontal lines, providing uniform illumination and guiding visitors in the direction of movement.

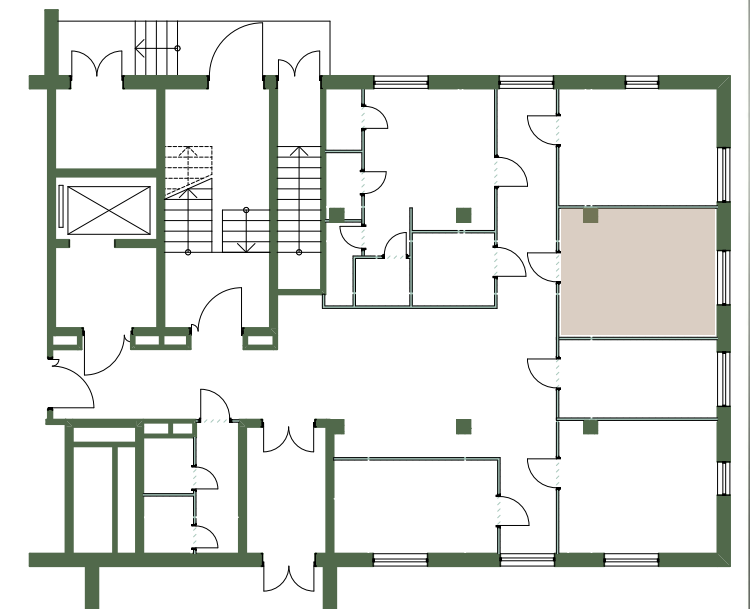


Dental room



The dental chair is positioned towards the window to maximize natural light and to allow clients to distract themselves and relax while enjoying the view.

The furniture is custom-made using panels from Paglia with a vertical texture. An integrated planter with plants is intended to have a calming effect on clients.

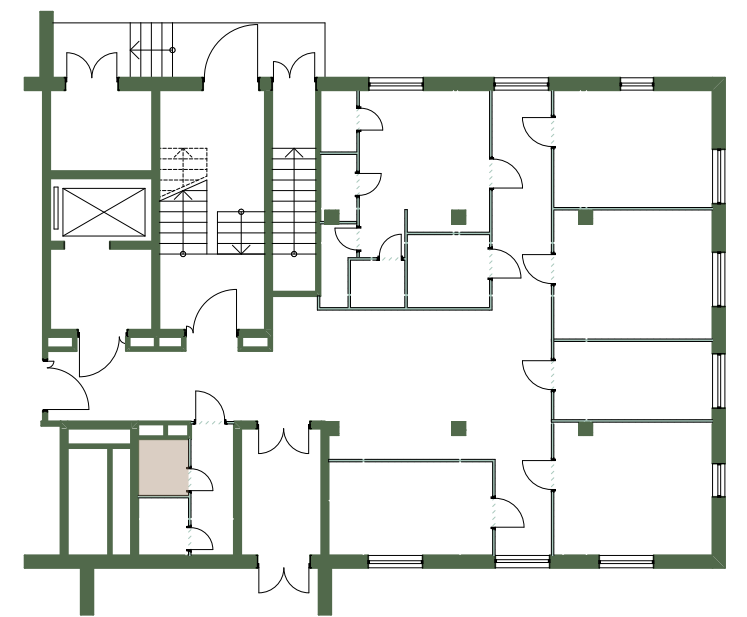


Client's toilet



The visitor toilets are finished with vertical textured ceramic tiles from Salvatori.

Warm tones, along with soft lighting, transition visitors from the clinical atmosphere to a more comfortable and homely ambiance.

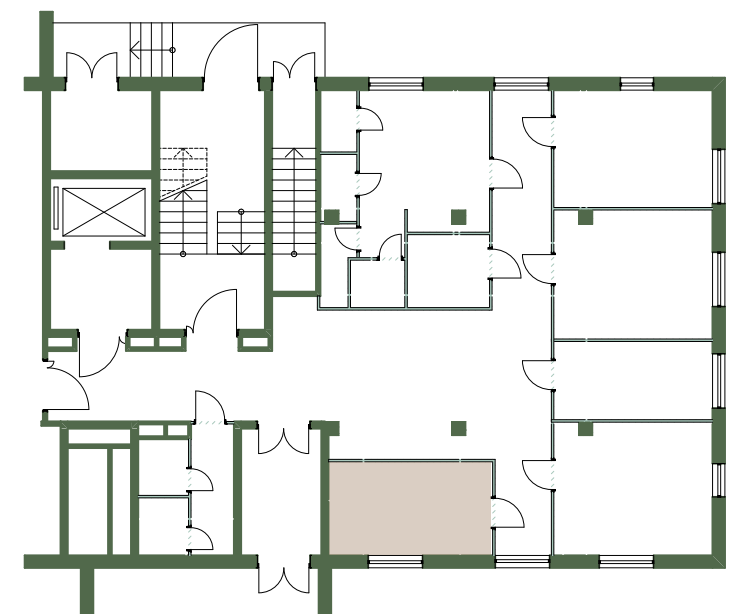


Manager's office



The interior of the manager's office has a completely different character compared to the rest of the clinic. Here, a deliberately cozy and homey atmosphere is created through the use of wooden materials, decorative lighting, as well as warm beige tones in the finishes.

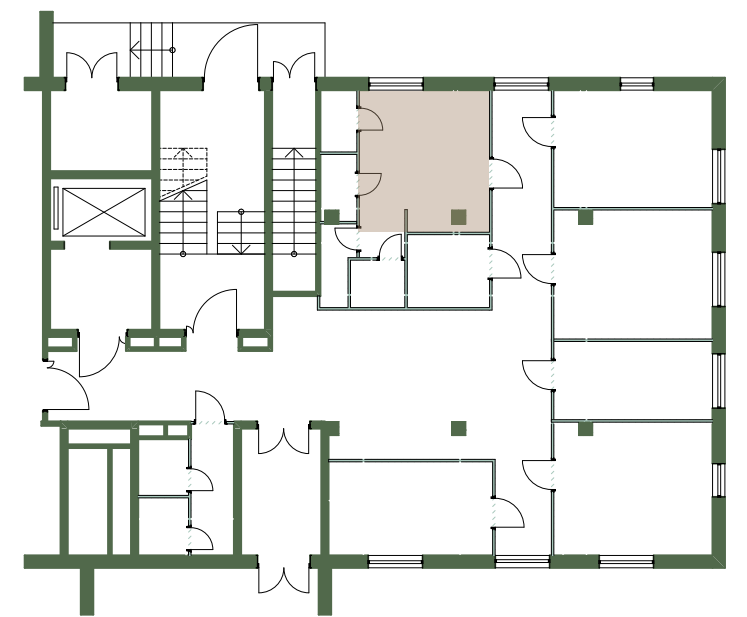
The design of this space is intended to alleviate the tension for the client.



Staff room



The staff room is designed in the same stylistic theme as the manager's office. The abundance of natural wood in both the finishes and furniture, decorative lighting, as well as the presence of plants, contribute to the relaxation and optimal recovery of staff during breaks from work.



THANK YOU

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