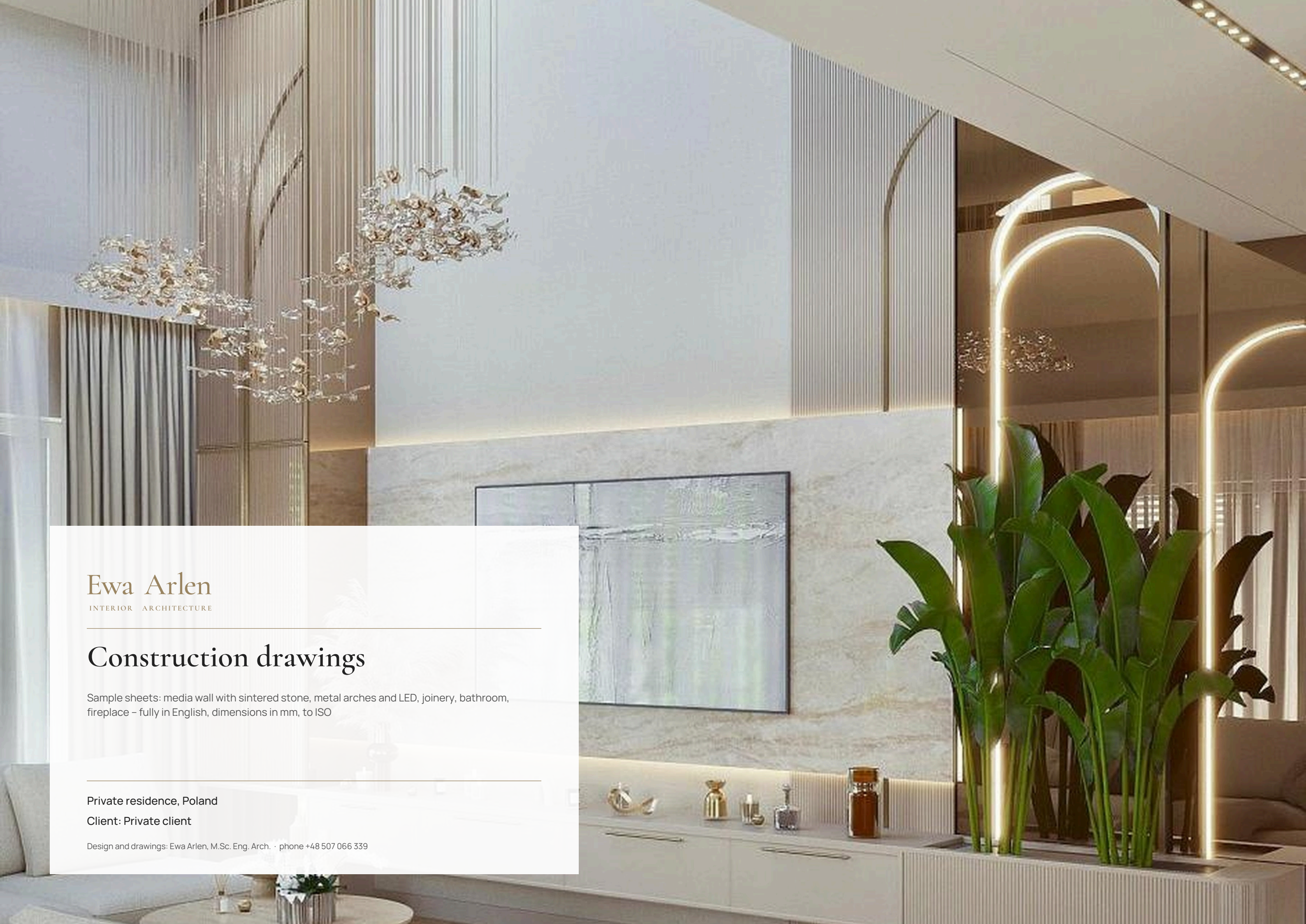




Ewa Arlen

INTERIOR ARCHITECTURE

Construction drawings

Sample sheets: media wall with sintered stone, metal arches and LED, joinery, bathroom, fireplace – fully in English, dimensions in mm, to ISO

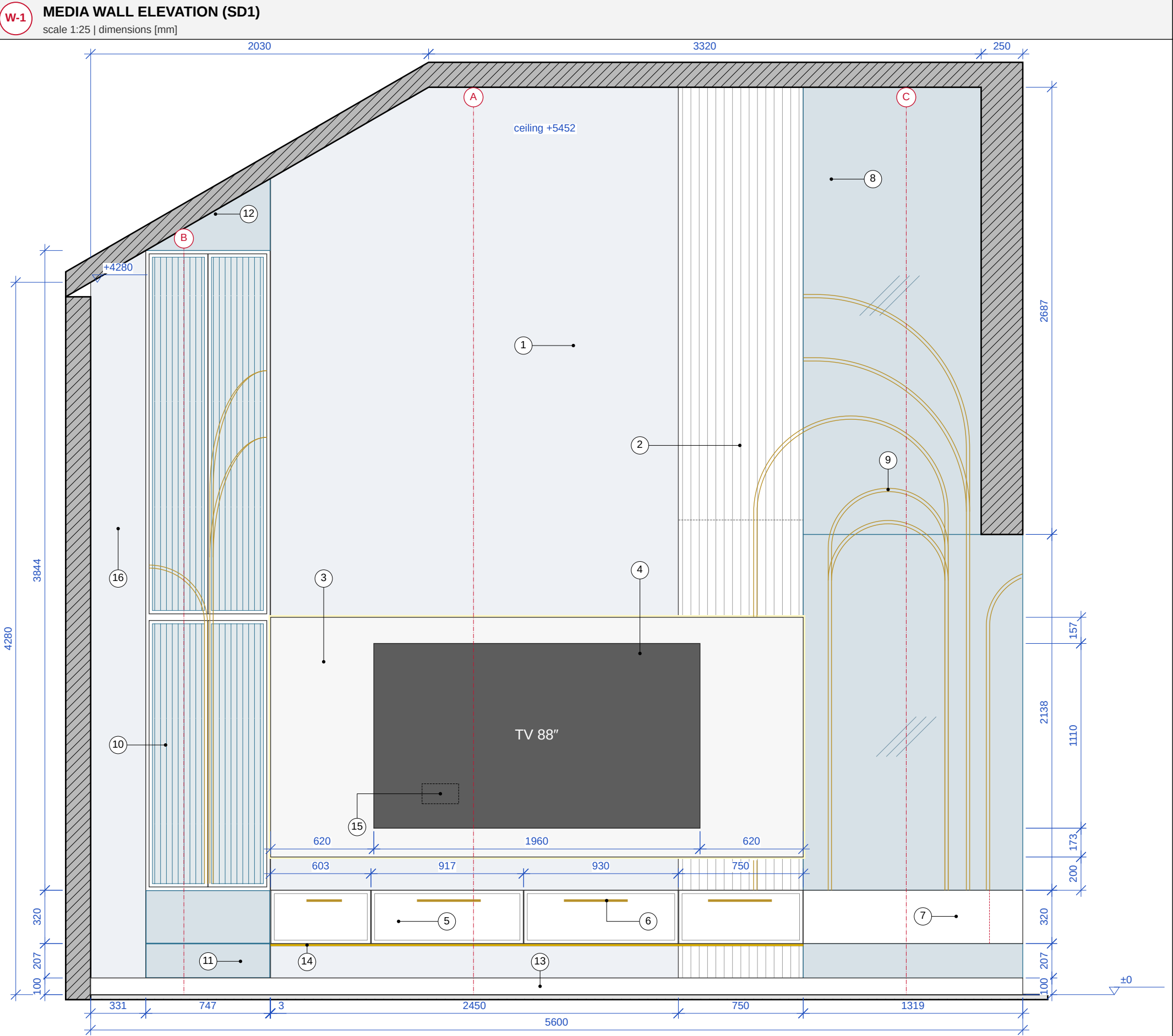
Private residence, Poland

Client: Private client

Design and drawings: Ewa Arlen, M.Sc. Eng. Arch. · phone +48 507 066 339

LIVING ROOM – MEDIA WALL – DIMENSIONED ELEVATION AND MATERIALS

Elevation SD1 as per concept drawing and visualisation. Dimensions from finished floor level ±0 (concept dimensioned from structural slab – 20 mm floor build-up deducted).



- DRAWING KEY**
- 1 wallcovering Vesstige 7030 (textile BASIC 7030) on 12.5 mm plasterboard – flush with REED panel
 - 2 3D panel Orac Decor WX210-2600 REED, 2600 × 255 × 13, painted Flügger NCS S 2502-Y20R matt
 - 3 sintered stone Dekton Arga (Cosentino), 3200 × 1440, 12 mm, polished – on subframe with LED 3000 K (RTV-03, RTV-05)
 - 4 88" TV on wall bracket – holes in stone drilled on site to suit bracket (RTV-05)
 - 5 wall-hung TV unit: carcass Egger U750 ST9 Taupe Grey, fronts MDF matt lacquer NCS S 2502-Y20R, 20 mm frame
 - 6 handles Opa Interiors gold: 3 × 380 mm, 1 × 210 mm (service compartment flap)
 - 7 planter fascia: reeded MDF, lacquered NCS S 2502-Y20R, rounded corner R 200, planter liner (RTV-03 D5)
 - 8 bronze mirror 4 mm, 15 mm bevel, bonded – 3 panels: strip below planters, lower and upper panel (RTV-04)
 - 9 metal arches with LED 3000 K – U-channel 20 × 20 bent stainless steel, brushed gold PVD (RTV-04)
 - 10 display cabinet: painted frame, bronze reeded glass type Estriado, edge pulls, metal arches on glass
 - 11 display cabinet drawers tip-on, fronts bronze mirror on MDF
 - 12 fascia above display cabinet to sloping ceiling – bronze mirror on MDF, cut to template
 - 13 skirting h 100, painted to match wall
 - 14 LED 3000 K under TV unit – wall wash
 - 15 sockets behind TV – cut-out in stone 220 × 120 (RTV-05)
 - 16 strip by window – wallcovering Vesstige 7030 (as living room walls)
- Sections A-A, B-B, C-C and plan – RTV-02. Details – RTV-03. Mirrors and metalwork – RTV-04. Sintered stone for the stonemason – RTV-05. Quantities – RTV-06.

LEGEND

existing wall	floor build-up	Vesstige wallcovering
REED panel	Dekton sintered stone	bronze mirror
reeded glass	metalwork PVD	LED 3000 K
section 0.35	elevation 0.18	dimension 0.13
hidden		

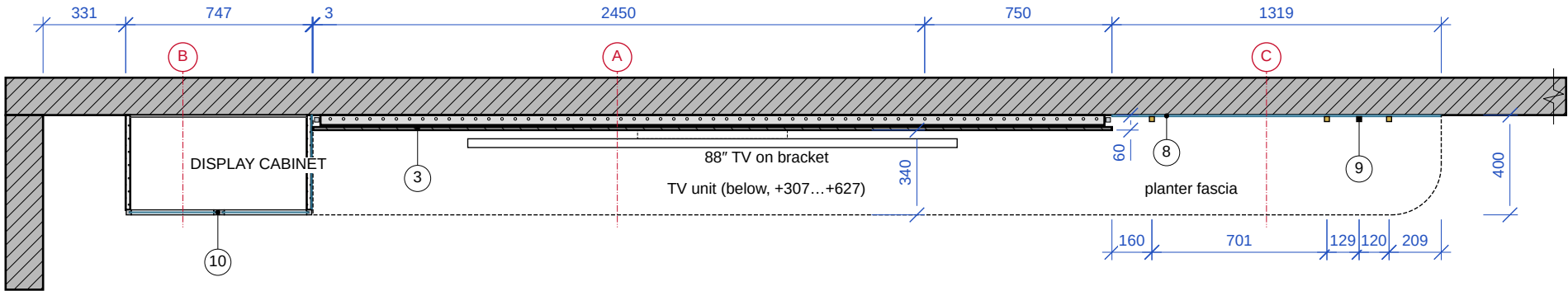
- GENERAL NOTES**
- 1. all works to be carried out in accordance with good building practice, current regulations and standards (EN/ISO), approvals and manufacturers' instructions;
 - 2. check all dimensions on site before starting work; report any discrepancy to the designer;
 - 3. the drawings form part of a multi-discipline design and are to be read as a whole;
 - 4. clarify any discrepancy in the documents with the designer;
 - 5. coordinate with electrical and plumbing installations before starting work;
 - 6. read all drawings together.
- Dimensions in mm, from finished floor level ±0, between finished wall surfaces.
Dimensions in brackets () – to be verified on site.

Ewa Arlen INTERIOR ARCHITECTURE	
DRAWING TITLE LIVING ROOM – MEDIA WALL – DIMENSIONED ELEVATION AND MATERIALS	
PROJECT Private residence, Poland	SIZE / SCALE A3 1:25
CLIENT Private client	DRAWING NO. RTV-01
DISCIPLINE Interior fit-out / joinery	DESIGNED / DRAWN Ewa Arlen, M.Sc. Eng. Arch. phone +48 507 066 339

LIVING ROOM – TV WALL – PLAN AND SECTIONS

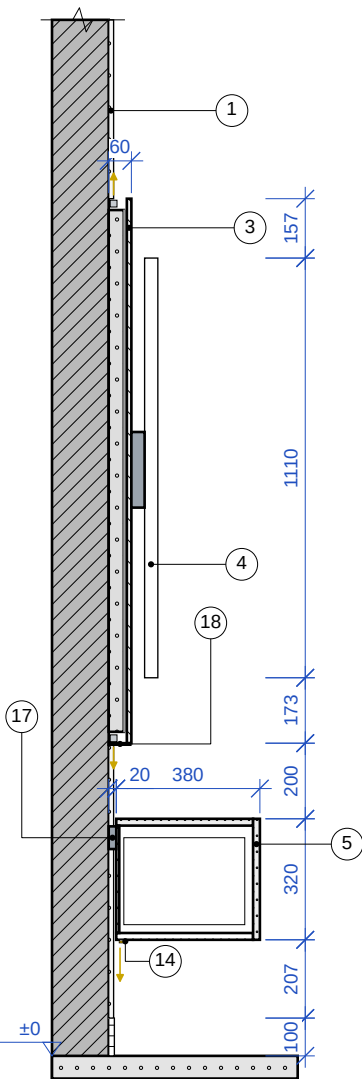
Plan at +1500 and sections A-A (sintered stone, TV, unit), B-B (display cabinet), C-C (planters, mirror). Section lines – RTV-01.

H-H PLAN – HORIZONTAL SECTION AT +1500
scale 1:25 | dimensions [mm]



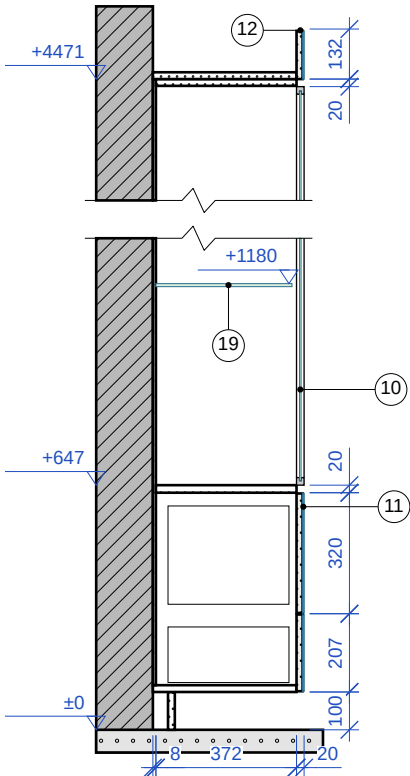
Unit depth 400 from wall face as per concept drawing. Sintered stone face 60 from wall.

A-A STONE, TV, TV UNIT
scale 1:20 | dimensions [mm]



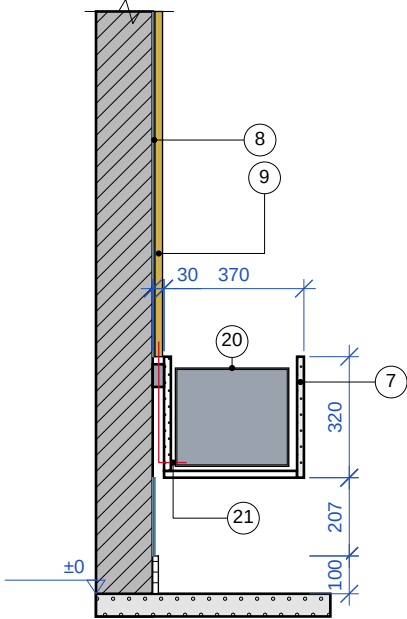
x = 2300. Wall cabinet on French cleat; back 20 off wall, front face 400. Above: wallpaper to ceiling – RTV-01.

B-B DISPLAY CABINET
scale 1:20 | dimensions [mm]



x = 560. Centre omitted (break line) – lower doors +647...+2248, upper +2288...+4451, glass shelves +1180, +1715, +2830, +3370, +3910. Raking fascia – template taken on site.

C-C PLANTERS, MIRROR
scale 1:20 | dimensions [mm]



x = 4900. No mirror behind planter fascia – fixed on batten. Metalwork legs end at +627; LED cables in 30 gap between wall and planter back.

ZD DETAIL SCHEDULE

DETAIL	SCOPE / MATERIAL	TRADE
H-H	media wall plan +1500, depths	all trades
A-A	stone on subframe, TV, TV unit	stonemason, joiner
B-B	display cabinet – carcass, alu frame, glass, mirror	joiner, glazier
C-C	planters, steel liner, mirror, arch legs	joiner, metalworker, glazier
RTV-03	stone edges with LED, TV unit, planter, display cabinet	stonemason, joiner, electrician
RTV-04	mirrors, metal arches with LED – geometry	glazier, metalworker
RTV-05	stone panel, cut-outs, holes	stonemason
RTV-06	material and fitting quantities	orders

DRAWING KEY

- wallpaper Vesstige 7030 on plasterboard 12.5 (face 13 = face of REED panel)
- sintered stone Dekton Arga 12 on flexible adhesive, subframe 2 × cement board 20 set back 30 from edge – LED in recess
- 88" TV on wall bracket – spacer sleeves through subframe
- TV unit: carcass U750 18, back 8, MDF 18 lacquered front, full-extension soft-close drawers
- planter fascia – fluted MDF 18 front, lacquered, R 200 at corner
- bronze mirror 4 mm, bonded with mirror adhesive
- metalwork leg – U-channel 20 × 20 with LED, bonded to mirror
- display cabinet: carcass 18, doors in lacquered 20 aluminium frame, bronze reeded glass Estriado 4
- Tip-On drawer – MDF 16 front + bronze mirror 4
- raking fascia – MDF 16 + bronze mirror 4, from template
- surface LED profile under unit, 3000 K, wall wash
- steel mounting rail (hangers), anchored to wall at 400 c/c
- sintered stone support bracket – stainless steel L 40 × 57 × 4, W 40, approx. every 600 (6 no.), concealed
- toughened glass shelves 8 mm, on glass brackets
- planter liner – stainless steel tray 1.2 mm, watertight; plants in pots
- metalwork LED cable – in gap behind planter to driver in TV unit

LEGEND

existing wall	MDF / chipboard	lacquered MDF
mirror / glass	sintered stone / stone	plasterboard
cement board	steel PVD gold	aluminium
LED	adhesive	floor build-up
reeded glass	steel	solid wood
section 0.35	elevation 0.18	dimension 0.13
hidden		

GENERAL NOTES

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- Dimensions in mm, from finished floor level ±0, between finished wall surfaces. Dimensions in brackets () – to be verified on site.

Ewa Arlen
INTERIOR ARCHITECTURE

DRAWING TITLE
LIVING ROOM – TV WALL – PLAN AND SECTIONS

PROJECT
Private residence, Poland

SIZE / SCALE
A3
1:25, 1:20

CLIENT
Private client

DRAWING NO.
RTV-02

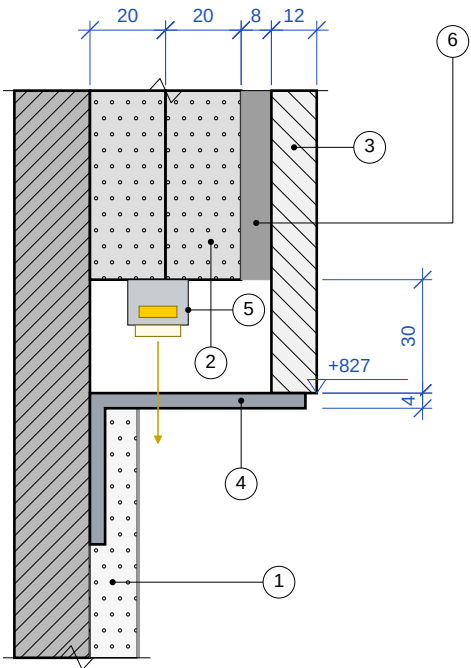
DISCIPLINE
Interior fit-out / joinery

DESIGNED / DRAWN
Ewa Arlen, M.Sc. Eng. Arch.
phone +48 507 066 339

LIVING ROOM – TV WALL – CONSTRUCTION DETAILS

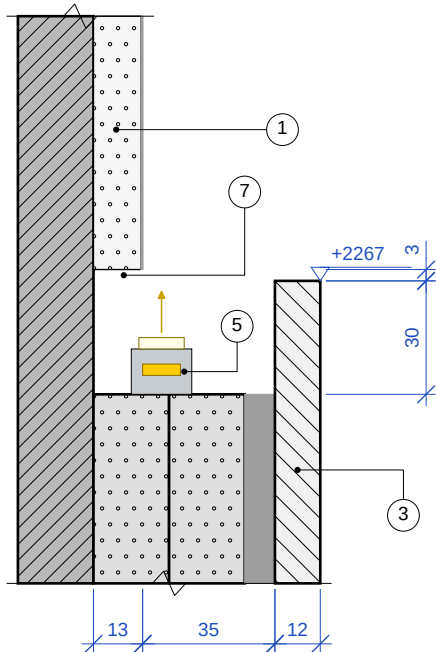
Sintered stone edges with LED, TV unit, planters, display cabinet. Detail locations – RTV-01 and RTV-02.

D1 SINTERED STONE – BOTTOM EDGE, LED
scale 1:2 | dimensions [mm]



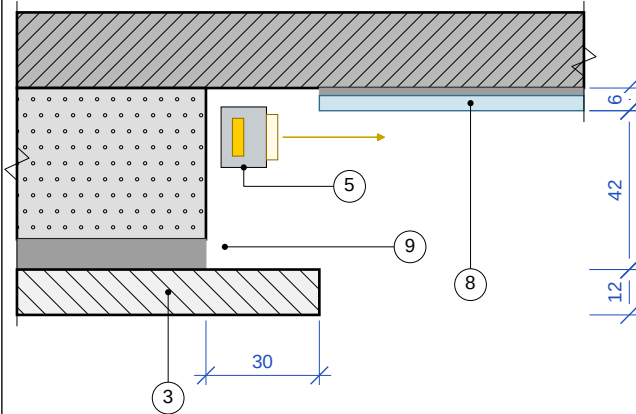
Subframe set back 30 from edge – LED profile in recess lighting downwards (wash on wall). Point brackets at approx. 600 c/c.

D2 SINTERED STONE – TOP EDGE, LED
scale 1:2 | dimensions [mm]



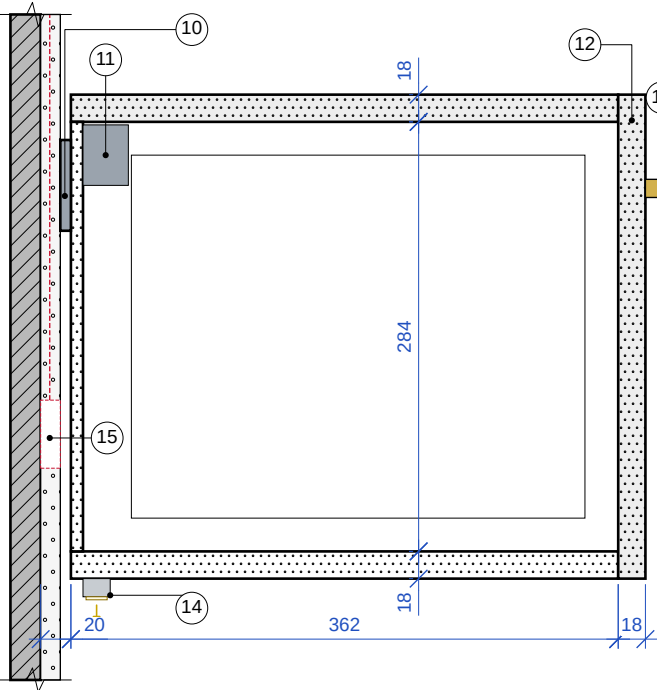
LED profile on top face of subframe, diffuser facing up – wash on wallpaper. Above sintered stone: plasterboard + wallpaper, face 13.

D3 STONE / MIRROR – JUNCTION
scale 1:2 | dimensions [mm]



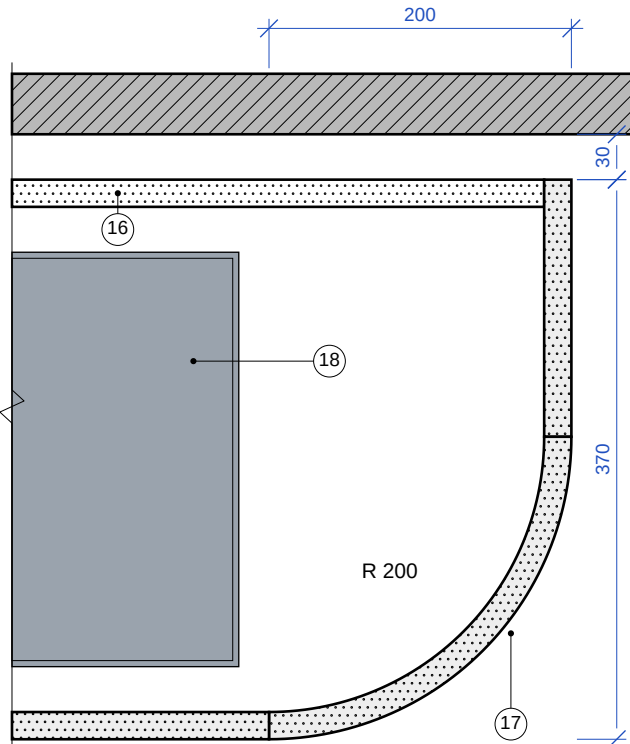
Horizontal section +1500. Sintered stone ends at REED panel edge (x 4281); mirror from stone edge, flush butt joint. Mirror bevel on visible edges only.

D4 TV UNIT – FIXING, LED
scale 1:5 | dimensions [mm]



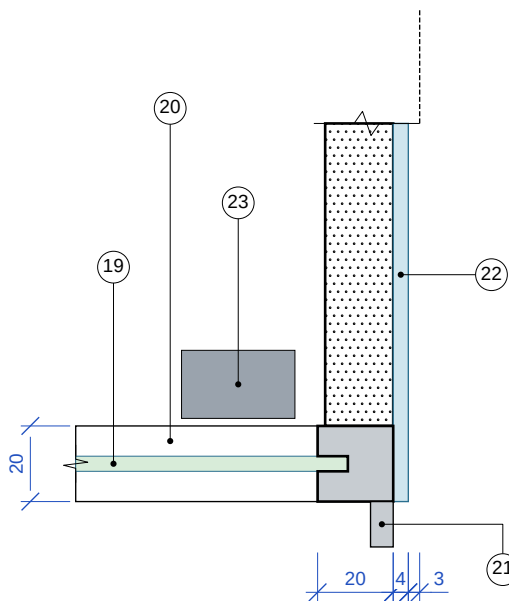
Cabinet hangers on steel rail fixed through plasterboard (anchors in masonry). Behind unit Ø 40 cable entry from sockets behind TV (RTV-05).

D5 PLANTERS – CORNER R 200
scale 1:5 | dimensions [mm]



R 200 corner in laminated MDF, CNC-routed, rounded flutes R 7.5 / 15 as on straight front – profile as per RY-01 (D2, D4). Sealed stainless steel liner – potted plants, no soil in the box.

D6 DISPLAY CABINET – DOOR, MIRRORED SIDE
scale 1:2 | dimensions [mm]



Overlay door in painted aluminium frame 20, edge pull in profile. Right side: MDF 18 + bronze mirror 4. 3 gap to sintered stone edge.

DRAWING KEY

- 1 plasterboard 12.5 + wallpaper Vestige 7030, face 13
- 2 subframe 2 × cement board 20, bonded and plugged, set back 30
- 3 Dekton Arga 12 sintered stone on flexible sintered-stone adhesive, fully supported
- 4 stainless steel bracket L 40 × 57 × 4, width 40, at approx. 600 c/c, matt painted
- 5 LED profile 16 × 12, opal diffuser, tape 24 V 3000 K CRI ≥ 90
- 6 flexible sintered stone adhesive, 8 layer
- 7 3 gap – neutral silicone to match wallpaper
- 8 bronze mirror 4 on mirror adhesive, primed substrate
- 9 LED cable entry in subframe recess
- 10 steel fixing rail 7 × 60, wall anchors every 400
- 11 cabinet hangers (e.g. Camar 807), 2 per carcass
- 12 MDF 18 front, matt lacquer NCS S 2502-Y20R, frame 20; full-extension drawers
- 13 Opa Interiors handle gold 380 / 210 mm
- 14 LED profile under unit base, diffuser facing down, 3000 K
- 15 conduit Ø 40 from sockets behind TV to unit
- 16 planter back MDF 18, 30 off wall – gap for arch LED cables
- 17 curved front R 200 – laminated MDF, CNC-routed, rounded flutes R 7.5 / 15 (RY-01 D2, D4), lacquer NCS S 2502-Y20R
- 18 liner – stainless steel tray 1.2 mm, watertight
- 19 bronze reeded glass Estriado 4 in frame rebate
- 20 door frame – aluminium profile 20 lacquered, hinges for alu frames
- 21 edge pull – routed into frame profile
- 22 display cabinet side MDF 18 + bronze mirror 4 bonded
- 23 hinge for aluminium frame with soft-close

LEGEND

- existing wall
- MDF / chipboard
- lacquered MDF
- mirror / glass
- sintered stone / stone
- plasterboard
- cement board
- steel PVD gold
- aluminium
- LED
- adhesive
- reeded glass
- steel
- section 0.35
- elevation 0.18
- dimension 0.13
- hidden

GENERAL NOTES

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- Dimensions in mm, from finished floor level ±0, between finished wall surfaces. Dimensions in brackets () – to be verified on site.

Ewa Arlen
INTERIOR ARCHITECTURE

DRAWING TITLE
LIVING ROOM – TV WALL – CONSTRUCTION DETAILS

PROJECT
Private residence, Poland

SIZE / SCALE
A3
1:5, 1:2

CLIENT
Private client

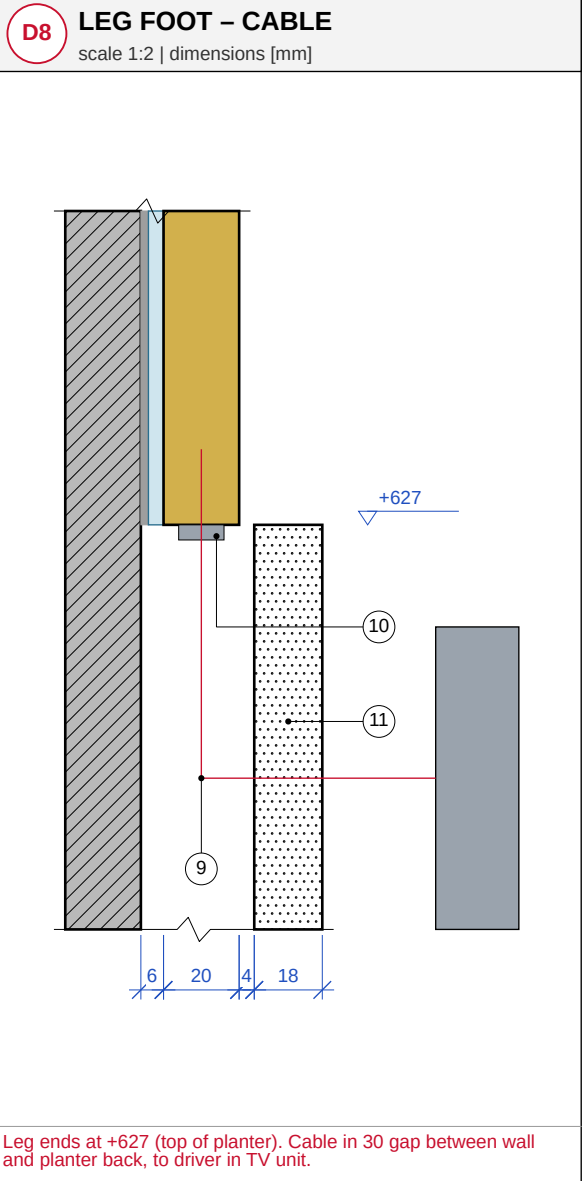
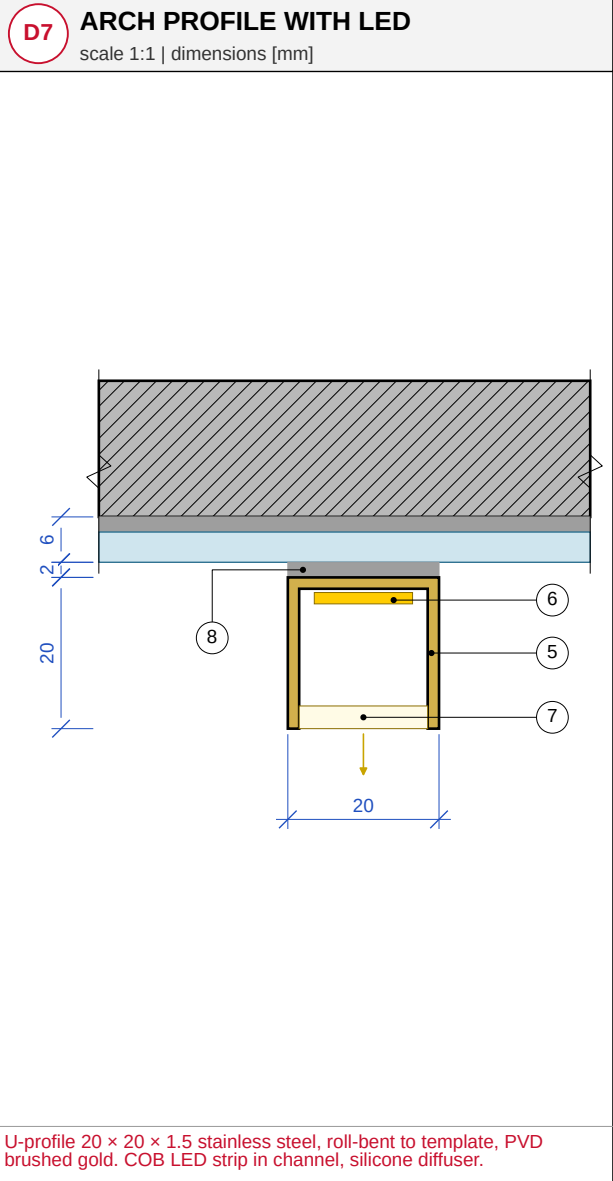
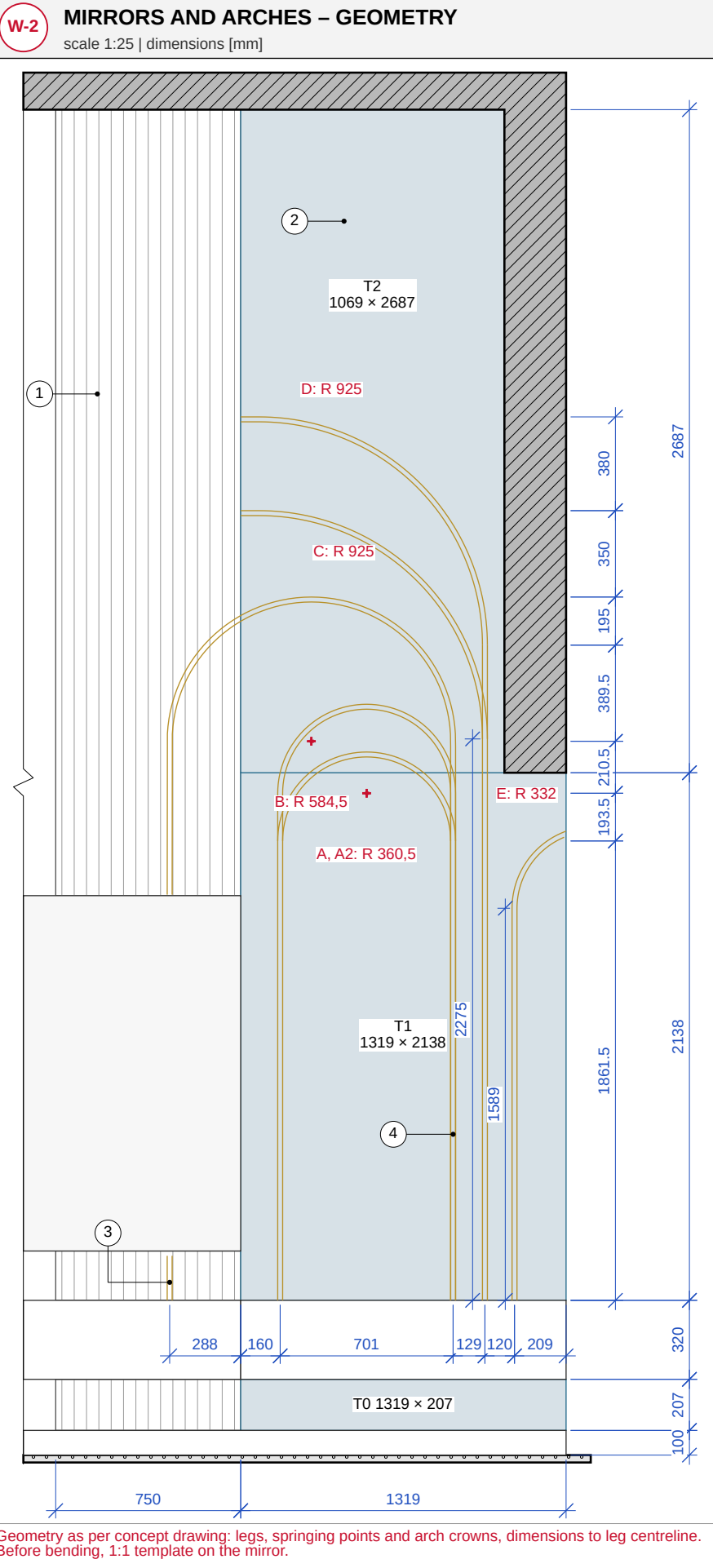
DRAWING NO.
RTV-03

DISCIPLINE
Interior fit-out / joinery

DESIGNED / DRAWN
Ewa Arlen, M.Sc. Eng. Arch.
phone +48 507 066 339

LIVING ROOM – TV WALL – MIRRORS AND METALWORK WITH LED

Arches of stainless steel U-channel 20 × 20 with LED strip, bonded to bronze mirror. Dimensions to leg centrelines.



- DRAWING KEY**
- 1 REED panel – arch B runs from panel onto mirror, 7 face offset – packer
 - 2 bronze mirror 4, bevel 15, panels T0 / T1 / T2 bonded with mirror adhesive
 - 3 left leg of arch B – on REED panel, interrupted behind sintered stone
 - 4 common leg of arches A and B
 - 5 U-channel 20 × 20 × 1.5 stainless steel, brushed gold PVD
 - 6 COB LED tape 24 V 3000 K CRI ≥ 90, 8 W/m, bonded in channel
 - 7 opal silicone diffuser, clip-in
 - 8 neutral mirror adhesive – profile bonded to mirror, propped while curing
 - 9 LED cable 2 × 0.75 in gap behind planter
 - 10 foot end cap – PVD steel, with cable entry
 - 11 planter back MDF 18

24 V LED drivers in TV unit (service compartment flap), rated with 20% headroom. Total LED profile length approx. 16.8 m. Before bonding – 1:1 template of each arch on the mirror and 30 min lighting test.

- LEGEND**
- existing wall
 - steel PVD gold
 - floor build-up
 - REED panel
 - reeded glass
 - MDF / chipboard
 - LED
 - steel
 - Dekton sintered stone
 - metalwork PVD
 - elevation 0.18
 - mirror / glass
 - adhesive
 - Vesstige wallcovering
 - bronze mirror
 - LED 3000 K
 - dimension 0.13

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Ewa Arlen
INTERIOR ARCHITECTURE

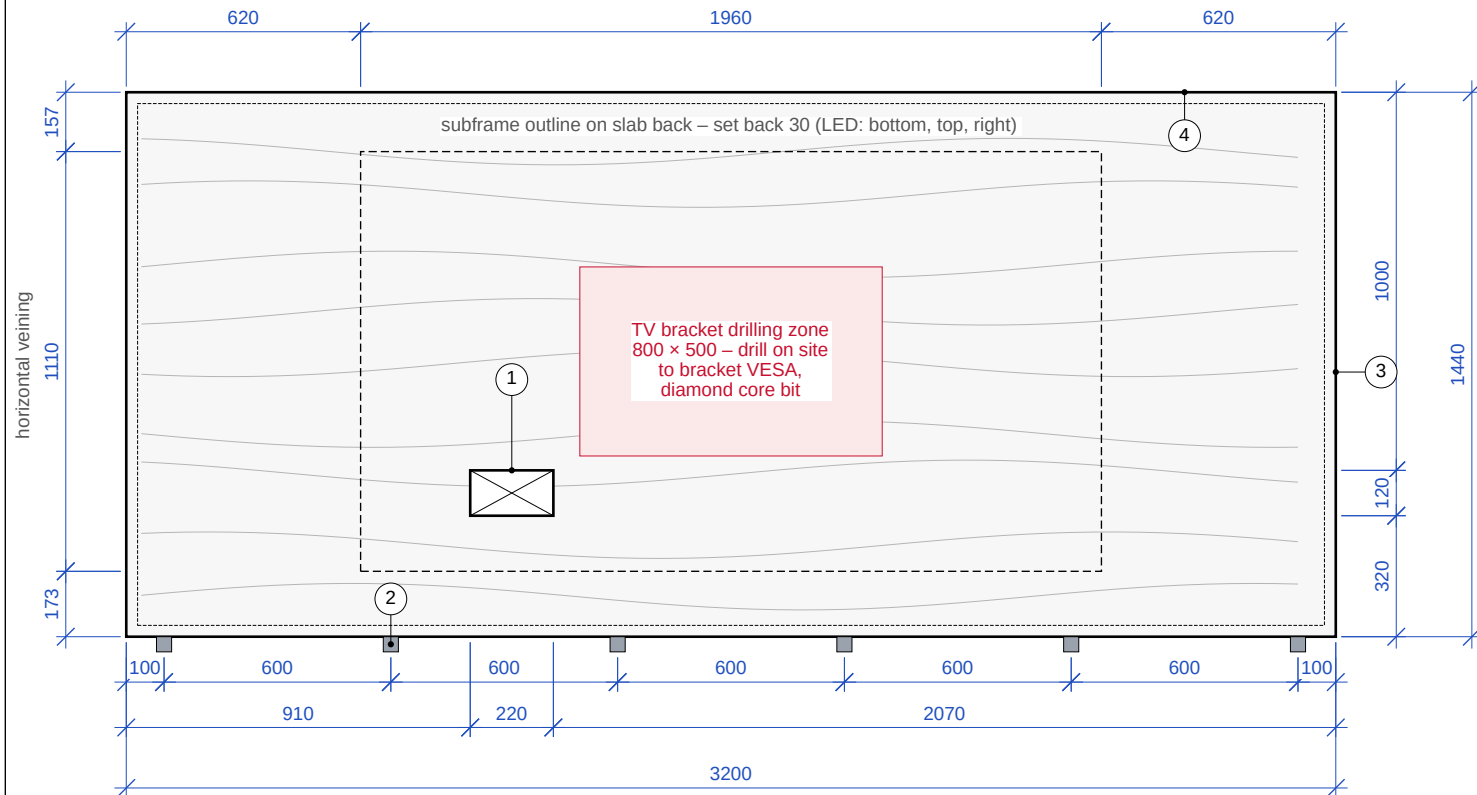
DRAWING TITLE LIVING ROOM – TV WALL – MIRRORS AND METALWORK WITH LED	
PROJECT Private residence, Poland	SIZE / SCALE A3 1:25, 1:2, 1:1
CLIENT Private client	DRAWING NO. RTV-04
DISCIPLINE Interior fit-out / joinery	DESIGNED / DRAWN Ewa Arlen, M.Sc. Eng. Arch. phone +48 507 066 339

Z-M METAL ARCHES AND MIRRORS – ITEMS				
ITEM	DESCRIPTION	AXIS R	LENGTH [m]	NOTES
A	upper arch, legs x 4431 and 5132	R 350.5	3.16	left leg
A2	lower arch on arch A legs	R 350.5	1.10	top +2849
B	full arch, left leg on REED panel	R 574.5	2.63	left leg: 2 parts (break behind stone)
A/B	shared leg x 5132–5152	—	2.27	to crown of arch B
C	75 straight + quarter arc from REED edge	R 915	1.51	joins leg 3 at +2902
D	75 straight + quarter arc from REED edge	R 915	1.51	end of leg 3 at +3282
3	leg x 5261–5281	—	2.65	to arch D
E	leg x 5381–5401 + arch to mirror edge	R 322	1.98	arch cut off by mirror edge
TOTAL	U-profile 20 × 20 / COB LED strip		16.82	+10% cutting allowance
PANEL	MATERIAL	SIZE [mm]	m²	NOTES
T0	bronze mirror 4, bevel 15	1319 × 207	0.27	below planter fascia
T1	bronze mirror 4, bevel 15	1319 × 2138	2.82	above planters to +2765
T2	bronze mirror 4, bevel 15	1069 × 2687	2.87	+2765 to ceiling, at beam
TOTAL	bronze mirror 4 mm		5,97 m²	panels cut to site survey

Single slab 3200 × 1440 × 12 on subframe with LED. Position on wall: +827...+2267, from x 1081 (3 gap to display cabinet) to edge of REED panel.

F-1 STONE PANEL – FACE VIEW

scale 1:20 | dimensions [mm]



Slab 3200 × 1440 × 12 – as per concept drawing (144 × 320 cm). Before cutting, site survey after subframe and display cabinet are complete (3 mm gap at cabinet). Horizontal veining.

S SPECIFICATION

ITEM	DATA
material	Dekton Arga (Cosentino) 12 mm, polished finish
slab	Arga produced in slabs approx. 3360 × 1670 (Cosentino) – panel 3200 × 1440 net
panel	3200 × 1440 net 4.61 m², approx. 136 kg
vein direction	horizontal, along 3200
edges	4 visible edges: ground, polished, 1 × 45° chamfer on face
cut-out	sockets 220 × 120 internal corners R 5
holes	TV bracket – on site in 800 × 500 zone
substrate	2 × cement board 20 set back 30 (LED)
adhesive	flexible for sintered stone (S1/S2), full coverage
support	6 stainless L-brackets + temporary props 24 h
trade	min. 4 people, suction lifters and A-frame

DRAWING KEY

- ① cut-out for 230 V + TV boxes (HDMI / LAN) – 220 × 120, corners R 5; behind it Ø 40 conduit to TV unit
- ② stainless steel support brackets L 40 × 57 × 4, width 40 – 6 no., centres as drawn
- ③ right edge – at REED panel edge; mirror below (LED at side)
- ④ top edge +2267 – recessed LED, glow on wallpaper
- ⑤ 1 × 45° chamfer on face, 4 sides
- ⑥ side edge ground and polished
- ⑦ internal corner R 5

Transport and handling: slab on A-frame, upright; check access route before delivery (living room patio door). Install after subframe, LED cables and Ø 40 conduit, before TV unit.

LEGEND

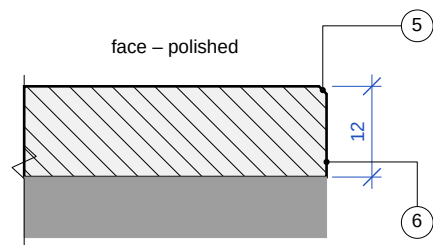
 existing wall
  sintered stone / stone
  plasterboard
 cement board
 aluminium
 LED
 adhesive
 steel
 section 0.35
 elevation 0.18
 dimension 0.13
 hidden

GENERAL NOTES

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Dimensions in brackets () – to be verified on site.

K1 EXPOSED EDGE

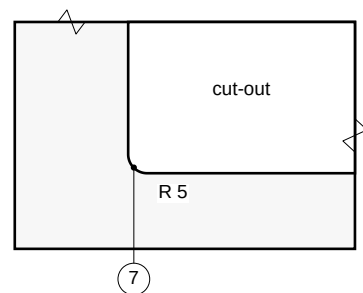
scale 1:1 | dimensions [mm]



Visible edges (4 sides) ground and polished, face bevel $1 \times 45^\circ$. Check edge body colour on sample.

K2 CUT-OUT CORNER

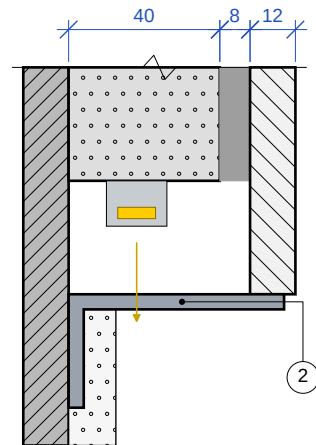
scale 1:2 | dimensions [mm]



Internal corners of cut-out radiused $R \geq 5$ (sintered stone manufacturer requirement – prevents cracking). Make cut-out on the bench, not on the wall.

K3 INSTALLATION – BOTTOM

scale 1:2 | dimensions [mm]



Detail – RTV-03 D1.

Ewa Arlen
INTERIOR ARCHITECTURE

DRAWING TITLE

LIVING ROOM – TV WALL – DEKTON ARGENTINO SINTERED STONE – STONEMASON
DRAWING

PROJECT

Private residence, Poland

SIZE / SCALE

A3
1:20, 1:2, 1:1

CLIENT

Private client

DRAWING NO.

RTV-05

DISCIPLINE

Interior fit-out / joinery

DESIGNED / DRAWN

Ewa Arlen, M.Sc. Eng. Arch.
phone +48 507 066 339

LIVING ROOM – TV WALL – MATERIALS AND HARDWARE SCHEDULE

Quantities taken from drawings RTV-01...RTV-05 (net) and order quantities with allowance. Before ordering – site survey.

ZM MATERIALS SCHEDULE – TV WALL					
POZ.	ITEM	PRODUCT / SPECIFICATION	NET	TO ORDER	TRADE
1	sintered stone	Dekton Arga (Cosentino) 12 mm, polished, slab 3200 × 1440	4,61 m²	1 slab approx. 3360 × 1670	stonemason
2	sintered stone subframe	cement board 20 mm, 2 layers, 3140 × 1380	8,67 m²	9,5 m² (+10%)	finishing contractor
3	sintered stone adhesive	flexible sintered-stone adhesive S1 / S2, 8 mm bed	4,61 m²	2 bags × 25 kg	stonemason
4	sintered stone brackets	stainless steel L 40 × 57 × 4, W 40, masonry anchors	6 szt.	6 szt.	metalworker
5	wallpaper	Vesstige 7030 – BASIC 7030 wrap, 132 cm roll	9,96 m²	11.0 m² (+10%) – in living room order	paperhanger
		incl.: above sintered stone 7.54 · below sintered stone 1.00 · strip by window 1.42	m²		
6	wallpaper primer	plasterboard 12.5 (wallpaper face = REED panel face)	10,74 m²	4 slabs 1200 × 2600	finishing contractor
7	3D panel	Orac Decor WX210-2600 REED, 2600 × 255 × 13	2,69 m²	7 no. (6 + 1 spare)	decorator / installer
8	panel paint	Flügger matt, NCS S 2502-Y20R, 2 coats	2,69 m²	as per coverage, 1 pack	decorator
9	mirror – wall	bronze mirror 4 mm, 15 bevel – panes T0, T1, T2 (RTV-04)	5,97 m²	3 panels to site measurement	glazier
10	mirror – display cabinet	side 2 no. 1.70 + fascia 0.16 + drawer fronts 0.39 m²	2,25 m²	to site survey	glazier / joiner
11	display cabinet glass	bronze reeded glass Estriado type 4 mm, 4 leaves	2,45 m²	4 no. made to measure	glazier
12	display cabinet shelves	toughened glass 8 mm, 705 × 340, ground	5 szt.	5 szt.	glazier
13	metalwork	U-channel 20 × 20 × 1.5 stainless steel, bent, brushed gold PVD	16,8 m	18.5 m – 6 arches + legs	metalworker
14	LED – arches	COB tape 24 V 3000 K CRI ≥ 90, 8 W/m + silicone diffuser	16,8 m	18,5 m	electrician
15	LED – sintered stone	profile 16 × 12 + opal diffuser, tape 24 V 3000 K 9.6 W/m	7,7 m	8,4 m	electrician
16	LED – cabinet	profile under TV unit base, 24 V 3000 K 9.6 W/m strip	3,2 m	3,5 m	electrician
17	LED drivers	24 V: Z1 sintered stone + unit 150 W, Z2 arches 200 W – in TV unit	2 szt.	2 szt.	electrician
18	TV unit	carcass Egger U750 ST9, fronts MDF lacquer NCS S 2502-Y20R	3200 × 320 × 380	1 set (flap + 3 drawers)	joiner
19	handles	Opa Interiors gold – 380 mm / 210 mm	3 + 1 szt.	3 + 1 szt.	joiner
20	planter fascia	fluted MDF lacquered, corner R 200 + stainless liner 1.2	1319 × 320 × 400	1 kpl.	joiner / metalworker
21	display cabinet	MDF carcass lacquered, 4 alu-framed doors, 2 tip-on drawers	747 × 4471 × 400	1 kpl.	joiner
22	sockets	behind TV: 2 × 230 V + HDMI / LAN; in unit: 2 × 230 V; conduit Ø 40	2 boxes	2 boxes + conduit	electrician

SHEET NOTES

1. net quantities – from drawings; to order – incl. cutting allowance

2. wallpaper Vesstige ordered together with other living room walls (sold per 12.5 m²)

3. LED: total load approx. 240 W, drivers with 20% headroom

Products and colours as per concept drawing and living room visualisation.

GENERAL NOTES

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2. check all dimensions on site before starting work; report any discrepancy to the designer;

3. the drawings form part of a multi-discipline design and are to be read as a whole;

4. clarify any discrepancy in the documents with the designer;

5. coordinate with electrical and plumbing installations before starting work;

6. read all drawings together.

Dimensions in mm, from finished floor level ±0, between finished wall surfaces.

Dimensions in brackets () – to be verified on site.

Ewa Arlen

INTERIOR ARCHITECTURE

DRAWING TITLE

LIVING ROOM – TV WALL – MATERIALS AND HARDWARE SCHEDULE

PROJECT

Private residence, Poland

SIZE / SCALE

A3
—

CLIENT

Private client

DRAWING NO.

RTV-06

DISCIPLINE

Interior fit-out / joinery

DESIGNED / DRAWN

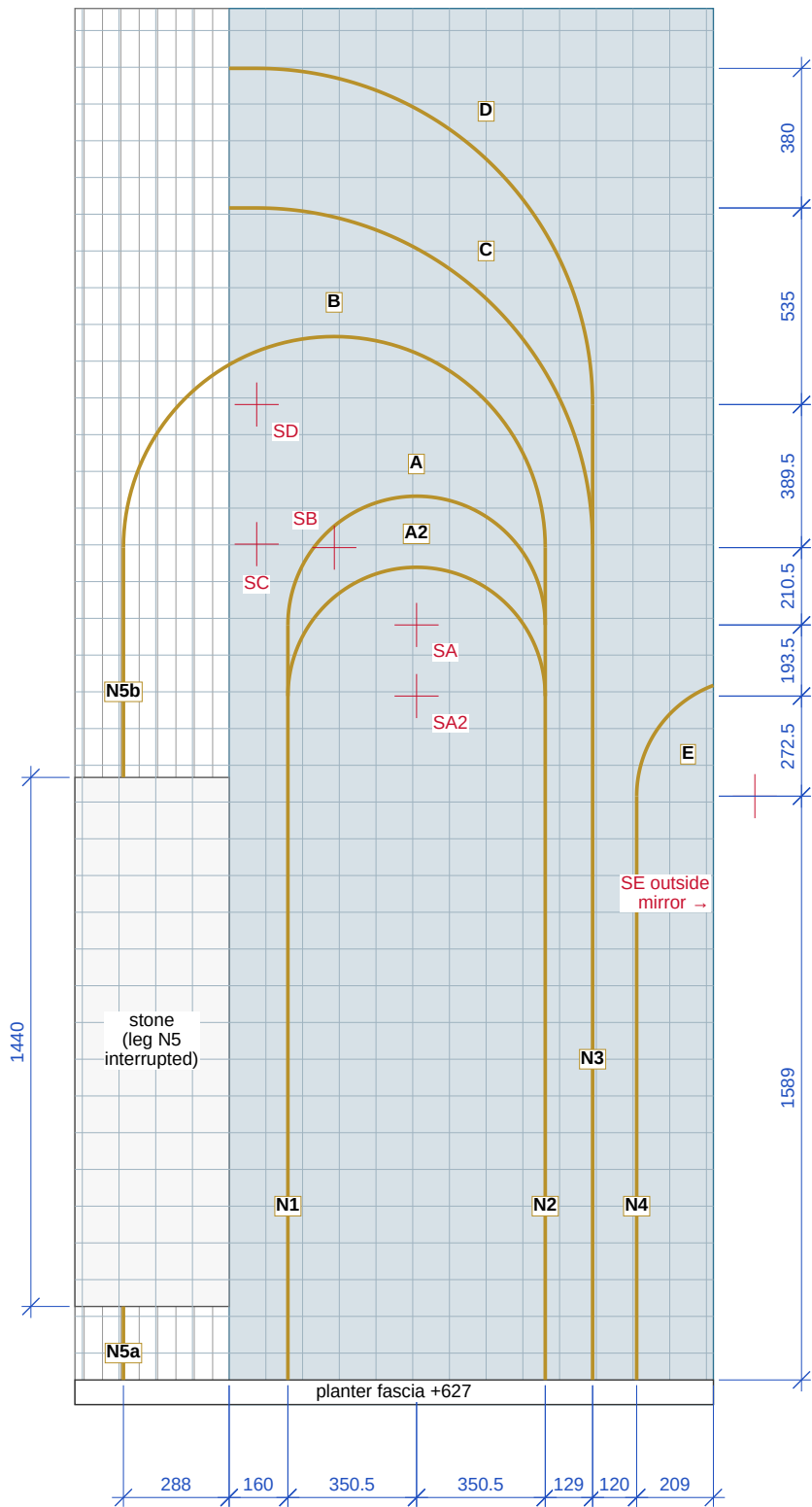
Ewa Arlen, M.Sc. Eng. Arch.
phone +48 507 066 339

LIVING ROOM – TV WALL – METAL ARCHES, SHOP DRAWING

Supplement to RTV-04 for metalworker: arch centres and radii in mirror coordinates, cut lengths, chords and rises for bending check, joints.

ARCHES – SETTING OUT ON MIRROR

scale 1:20 | dimensions [mm]



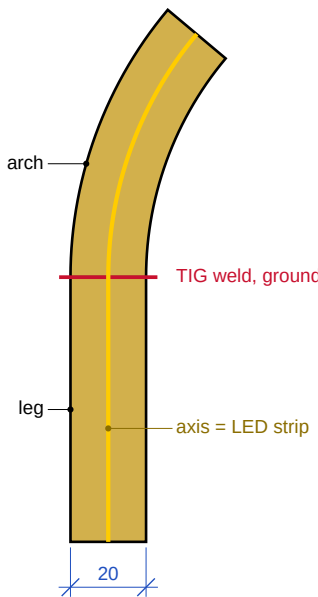
Setting out: X from left mirror edge (junction with REED panel, x 4281 on RTV-01), Y from finished floor level (FFL). Profile centreline = LED strip centreline. Geometry as per concept drawing / RTV-04.

ELEMENTS – BENDING AND CUTTING DIMENSIONS (PROFILE CENTRELINE)

EL.	TYPE	R OSI	AXIS	CHORD	RISE	CENTRE X / Y · LEG
A	180° arch	350.5	1101	701	350	510.5 / 2682
A2	180° arch	350.5	1101	701	350	510.5 / 2488.5
B	180° arch	574.5	1805	1149	574	286.5 / 2892.5
C	90° arc + 75 straight	915	1512	1294	268	75 / 2902
D	90° arc + 75 straight	915	1512	1294	268	75 / 3282
E	arch 69.5°	322	390	367	57	1432 / 2216
N1	straight leg	—	2055	—	—	X 160, Y 627–2682
N2	straight leg	—	2266	—	—	X 861, Y 627–2892,5
N3	straight leg	—	2655	—	—	X 990, Y 627–3282
N4	straight leg	—	1589	—	—	X 1110, Y 627–2216
N5a	straight leg	—	200	—	—	X -288, Y 627–827
N5b	straight leg	—	626	—	—	X -288, Y 2267–2892,5
TOTAL	U-channel 20 × 20 × 1.5		16812			incl. 10 % allowance: 18.49 m

ARCH – LEG JOINT

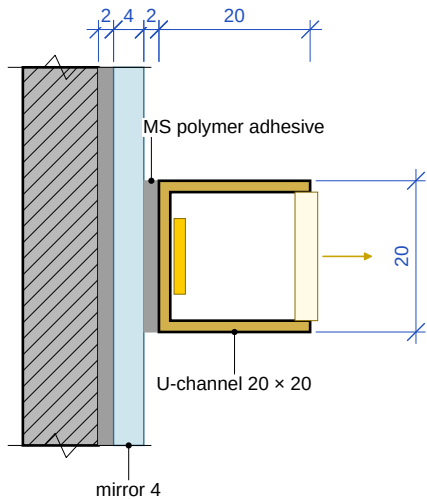
scale 1:2 | dimensions [mm]



TIG butt weld on outer faces of U, ground flush; PVD gold after welding complete assembly. LED strip continuous through joint.

FIXING TO MIRROR

scale 1:1 | dimensions [mm]



Neutral mirror adhesive (MS / acid-free silicone) as a bead on profile axis; propping and mounting tape while curing. No fixings through mirror.

SHEET NOTES

- U-channel 20 × 20 × 1.5 stainless steel 1.4301, roll-bent; radii to profile axis (LED tape axis) – outer R = axis R + 10, inner R = axis R – 10
- bending check: chord and rise from table Z (tolerance ± 2 mm); before sending for PVD – offer up to 1:1 template
- 1:1 film / board template marked out on mirror from point 0 (left mirror edge, floor ±0) after fixing panes T0–T2
- elements welded into assemblies: A+A2+N1+N2(+B), C+D+N3, E+N4, B+N5 – split to suit PVD chamber size, site joints bonded where concealed
- arch E cut at angle by mirror edge (end at X 1319) – end capped, ground
- leg N5 on REED panel – 7 mm packer (REED / mirror offset), break at sintered stone height +827...+2267
- LED COB 24 V 3000 K in channel, cables at foot of legs behind planter (D8, RTV-04), driver in TV unit

Total profile axis 16.81 m; plus 10 % – as RTV-04. Check dimensions on site on installed mirrors before bending.

LEGEND

- existing wall
- LED
- REED panel
- section 0.35
- hidden
- mirror / glass
- adhesive
- PVD profile centreline
- elevation 0.18
- steel PVD gold
- bronze mirror
- arch centre
- dimension 0.13

GENERAL NOTES

- all works to be carried out in accordance with good building practice, current regulations and standards (EN/ISO), approvals and manufacturers' instructions;
 - check all dimensions on site before starting work; report any discrepancy to the designer;
 - the drawings form part of a multi-discipline design and are to be read as a whole;
 - clarify any discrepancy in the documents with the designer;
 - coordinate with electrical and plumbing installations before starting work;
 - read all drawings together.
- Dimensions in mm, from finished floor level ±0, between finished wall surfaces. Dimensions in brackets () – to be verified on site.

Ewa Arlen
INTERIOR ARCHITECTURE

DRAWING TITLE
LIVING ROOM – TV WALL – METAL ARCHES, SHOP DRAWING

PROJECT
Private residence, Poland

SIZE / SCALE
A3
1:20, 1:2, 1:1

CLIENT
Private client

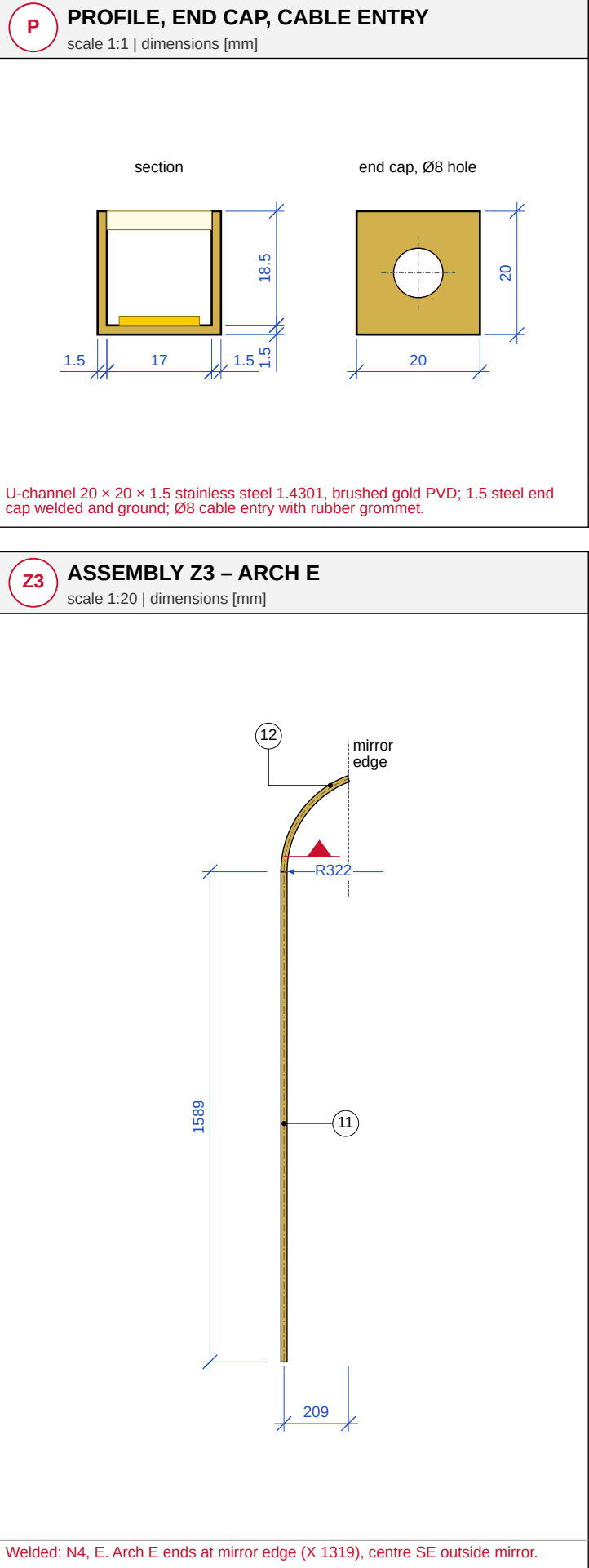
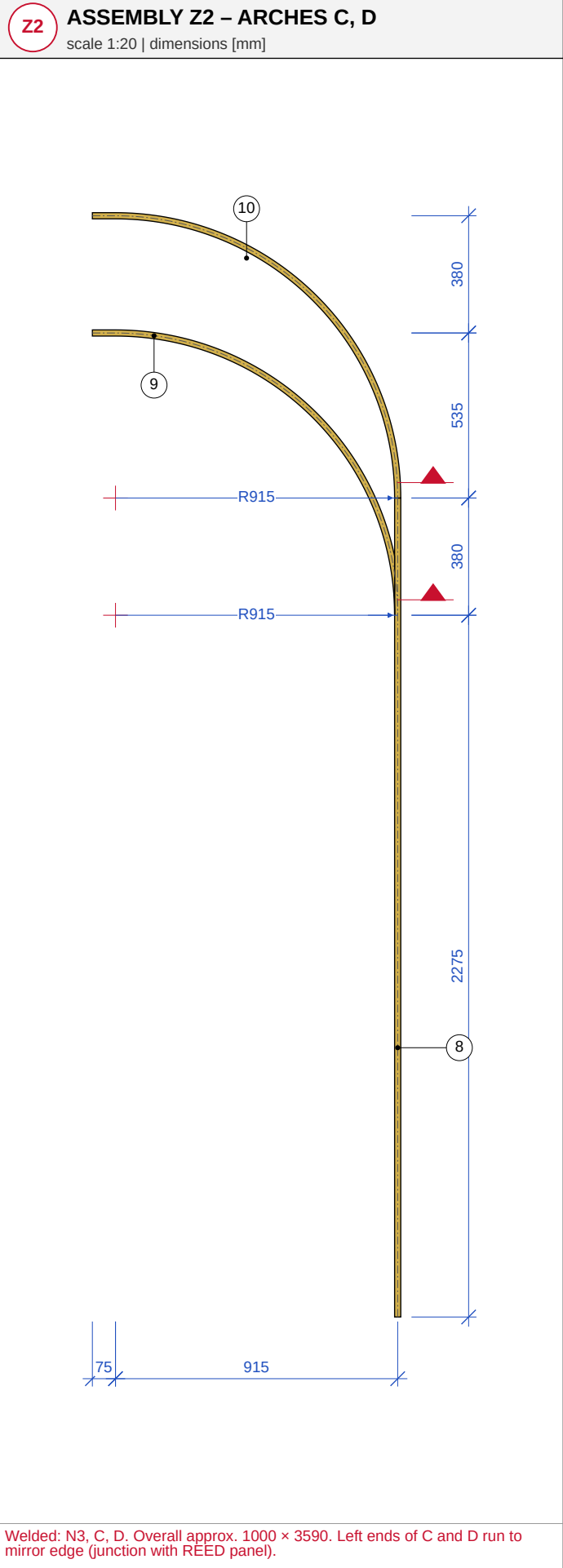
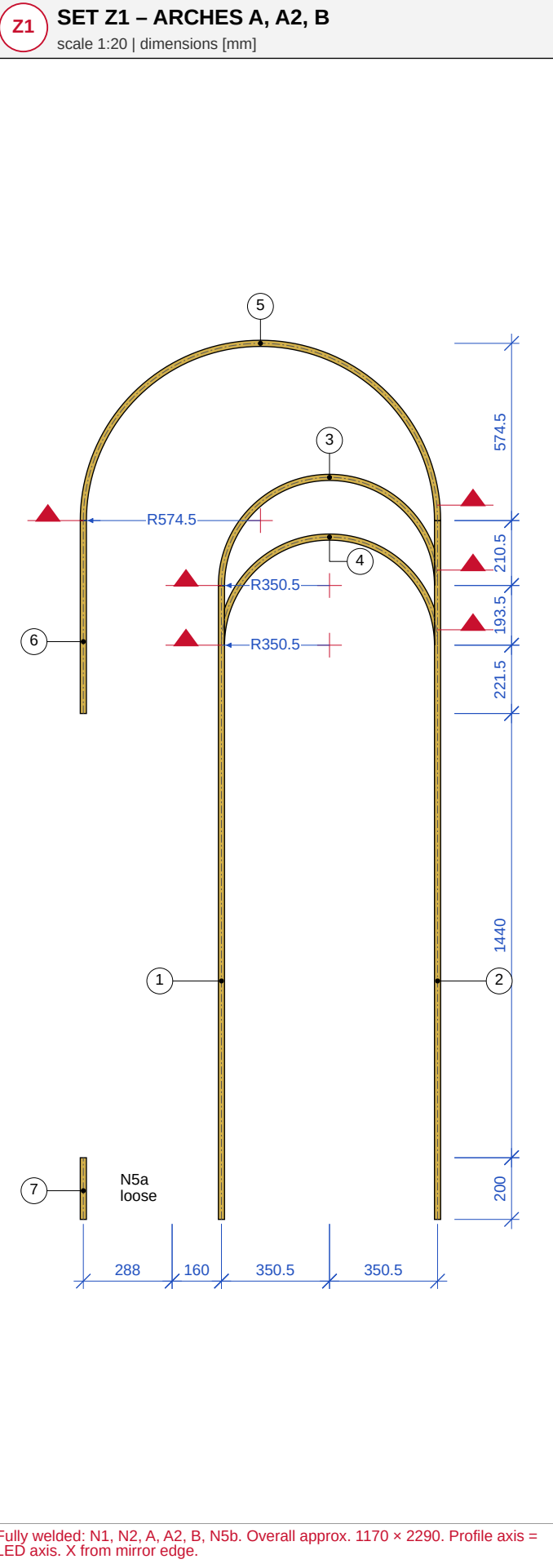
DRAWING NO.
RTV-07

DISCIPLINE
Interior fit-out / joinery

DESIGNED / DRAWN
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phone +48 507 066 339

LIVING ROOM – TV WALL – ARCHES: WELDED ASSEMBLIES Z1, Z2, Z3

Shop drawing for metalworker. Each assembly welded in workshop, PVD after welding, fixed on mirror. Items 1–12 – schedule on RTV-09.

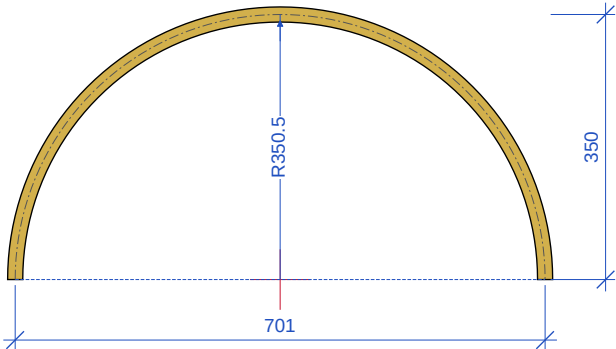


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LIVING ROOM – TV WALL – ARCHES: BENT PARTS, CUTTING LIST

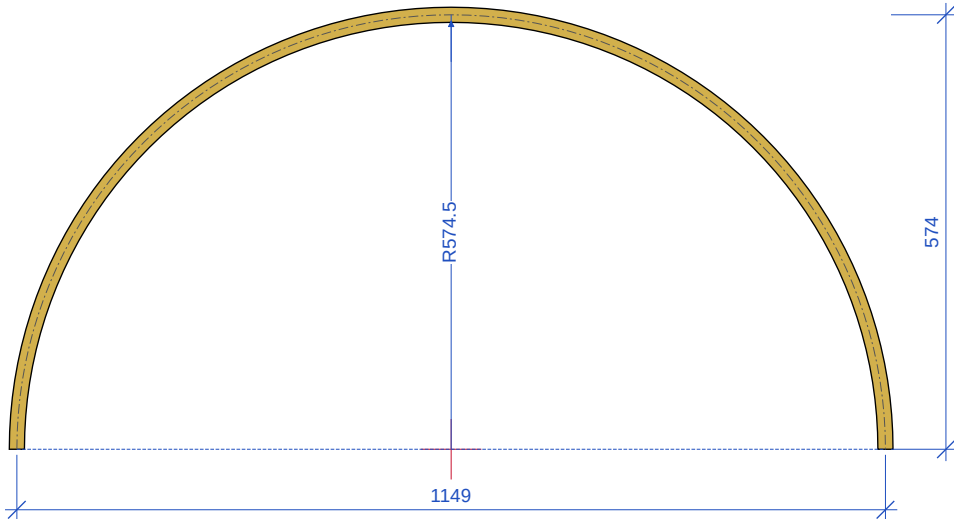
Each arch roll-bent separately: axis radius, angle, developed length, chord and rise for checking. U-channel 20 × 20 × 1.5, stainless steel 1.4301.

3·4 ITEM 3 A, ITEM 4 A2 – SEMICIRCLE (2 NO.)
scale 1:10 | dimensions [mm]



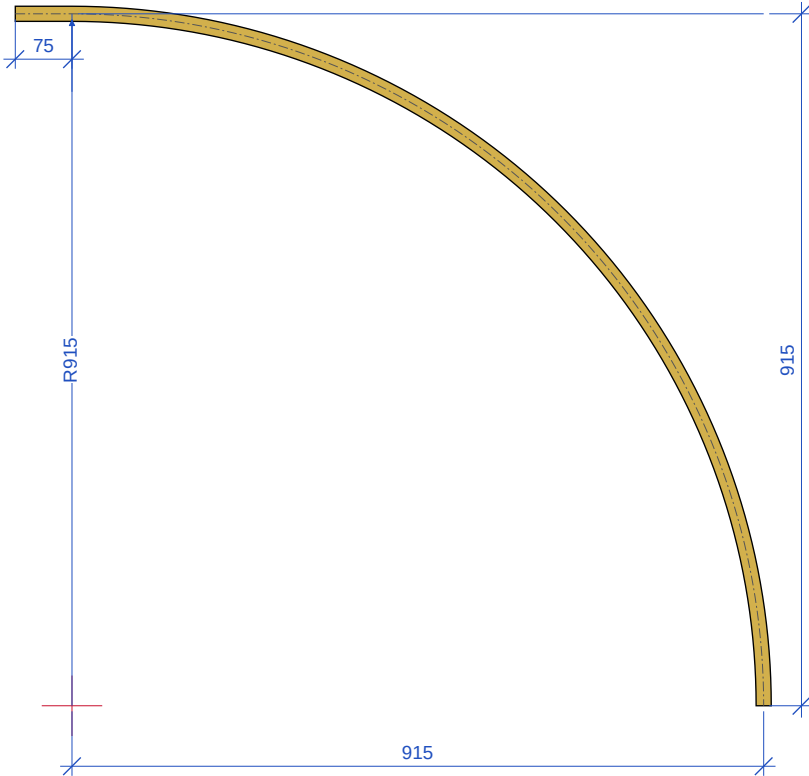
axis R 350.5 · angle 180° · developed axis length 1101 · chord 701 · rise 350

5 ITEM 5 B – SEMICIRCLE
scale 1:10 | dimensions [mm]



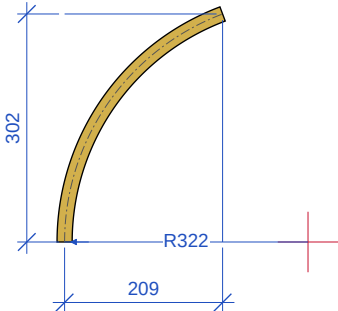
centreline R 574.5 · angle 180° · developed length 1805 · chord 1149 · rise 574

9·10 ITEM 9 C, ITEM 10 D – QUARTER ARC + STRAIGHT (2 NO.)
scale 1:10 | dimensions [mm]



axis R 915 · angle 90° · axis developed 1512 · chord 1294 · rise 268 · straight 75 before arch

12 POZ. 12 E
scale 1:10 | dimensions [mm]



R centreline 322 · angle 69.5° · developed length 390 · chord 367 · rise 57 · end cut vertical

L CUTTING LIST

POZ	ITEM	SET	AXIS
1	leg N1	Z1	2055
2	leg N2	Z1	2266
3	arch A	Z1	1101
4	arch A2	Z1	1101
5	arch B	Z1	1805
6	leg N5b	Z1	626
7	leg N5a	loose	200
8	leg N3	Z2	2655
9	arch C	Z2	1512
10	arch D	Z2	1512
11	leg N4	Z3	1589
12	arch E	Z3	390
TOTAL			16812

SHEET NOTES

- roll-bent on profile bender, U flange to outside of arch (LED channel to room side); after bending check chord and rise ± 2 mm
- R outer = R centreline + 10, R inner = R centreline – 10; minimum radius for U 20 × 20 – verify by trial bend (smallest in project R 312 – item 12)
- A and A2 – same radius, 2 no.; C and D – same radius and 75 straight, 2 no. bent in same direction
- leg lengths and ends – RTV-08 and table Z (RTV-07)

Profile total 16.81 m (axis); to order incl. 10 % for cutting and bending trials: 18.49 m. Bend arches from lengths min. 2 × 150 longer (cut off straight ends after bending).

LEGEND

- steel PVD gold
- arch centre
- section 0.35
- elevation 0.18
- dimension 0.13
- hidden

GENERAL NOTES

- all works to be carried out in accordance with good building practice, current regulations and standards (EN/ISO), approvals and manufacturers' instructions;
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 - clarify any discrepancy in the documents with the designer;
 - coordinate with electrical and plumbing installations before starting work;
 - read all drawings together.
- Dimensions in mm, from finished floor level ±0, between finished wall surfaces. Dimensions in brackets () – to be verified on site.

Ewa Arlen
INTERIOR ARCHITECTURE

DRAWING TITLE
LIVING ROOM – TV WALL – ARCHES: BENT PARTS, CUTTING LIST

PROJECT
Private residence, Poland

SIZE / SCALE
A3
1:10

CLIENT
Private client

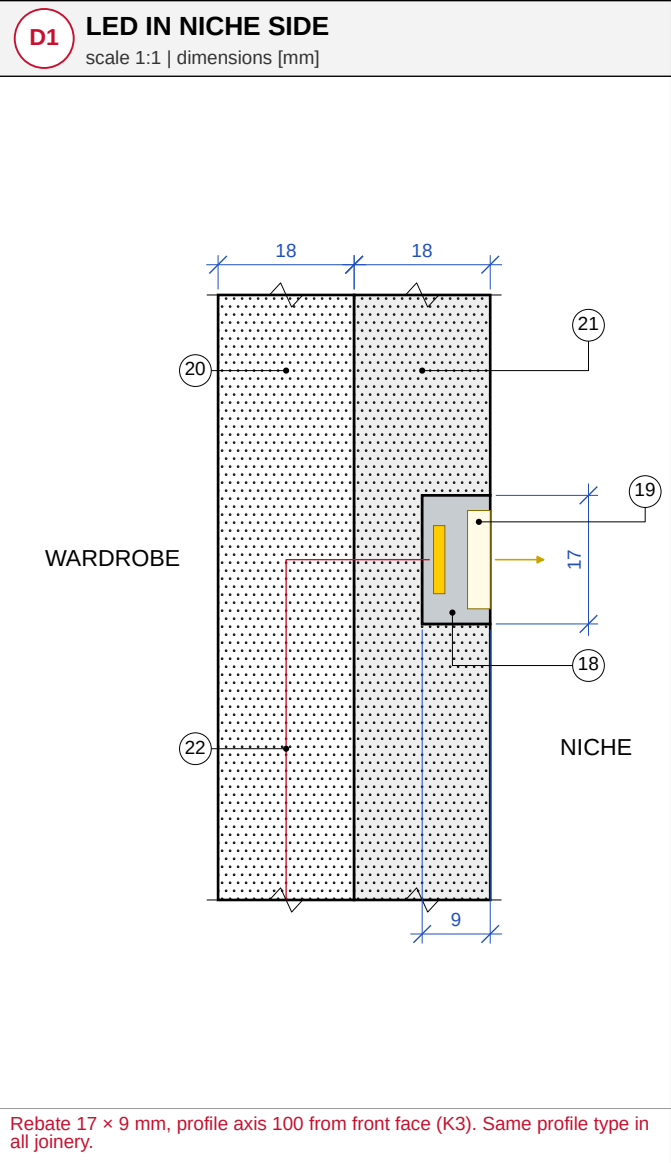
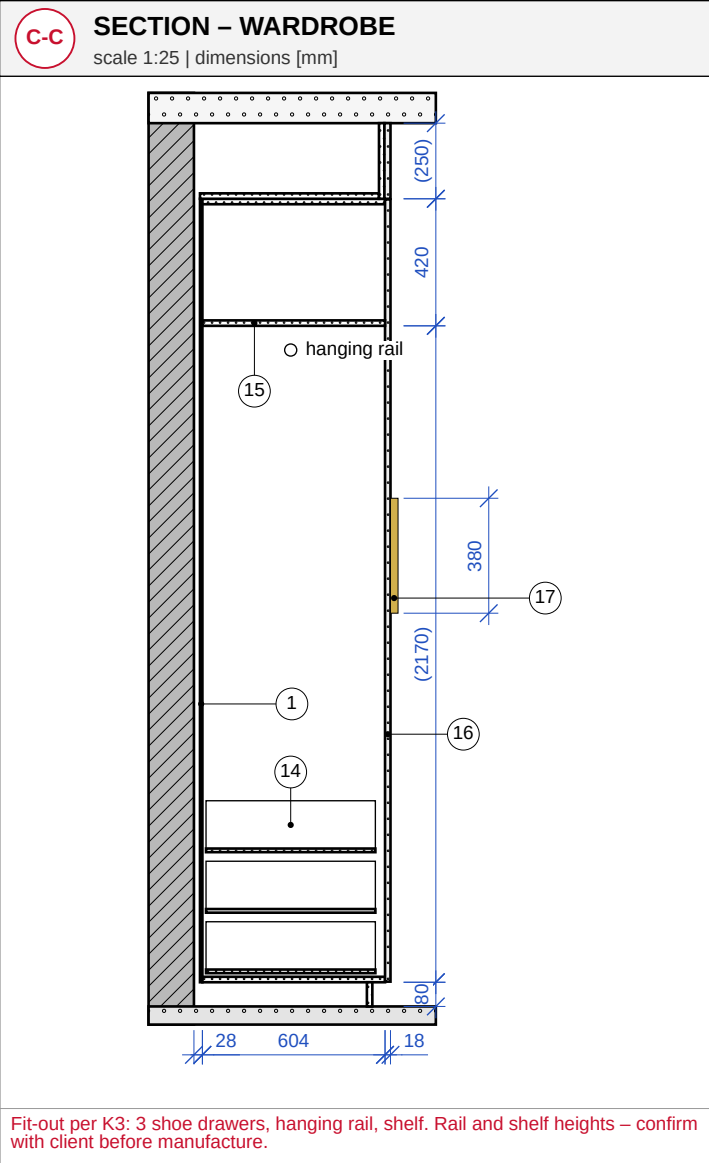
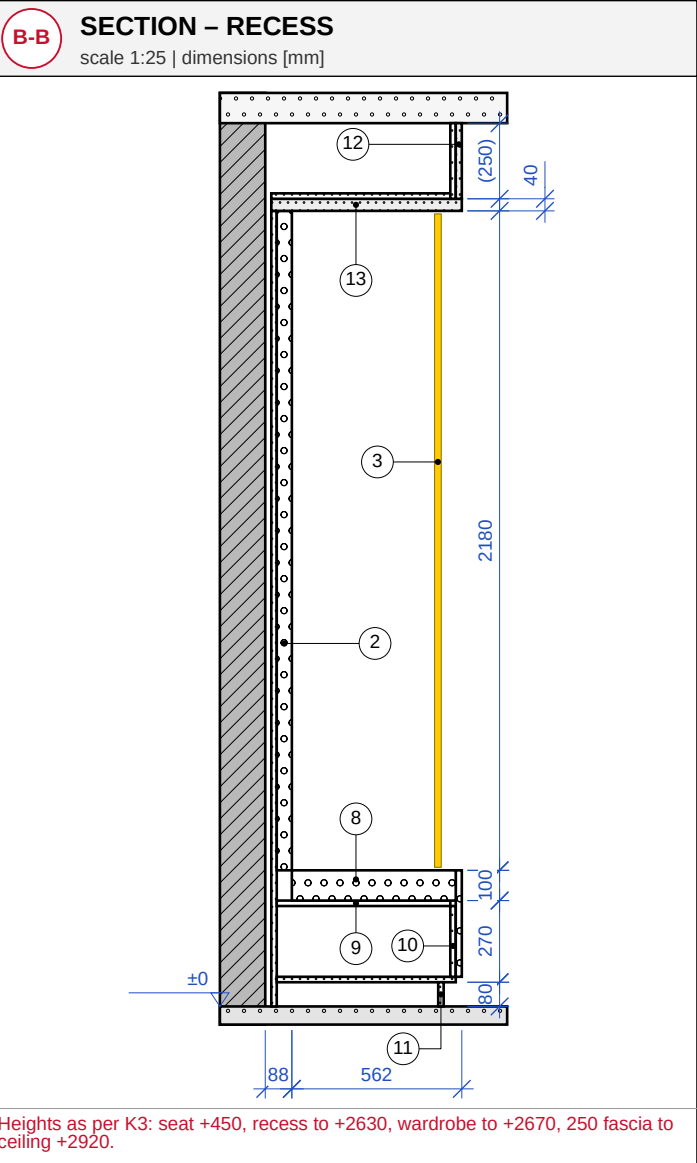
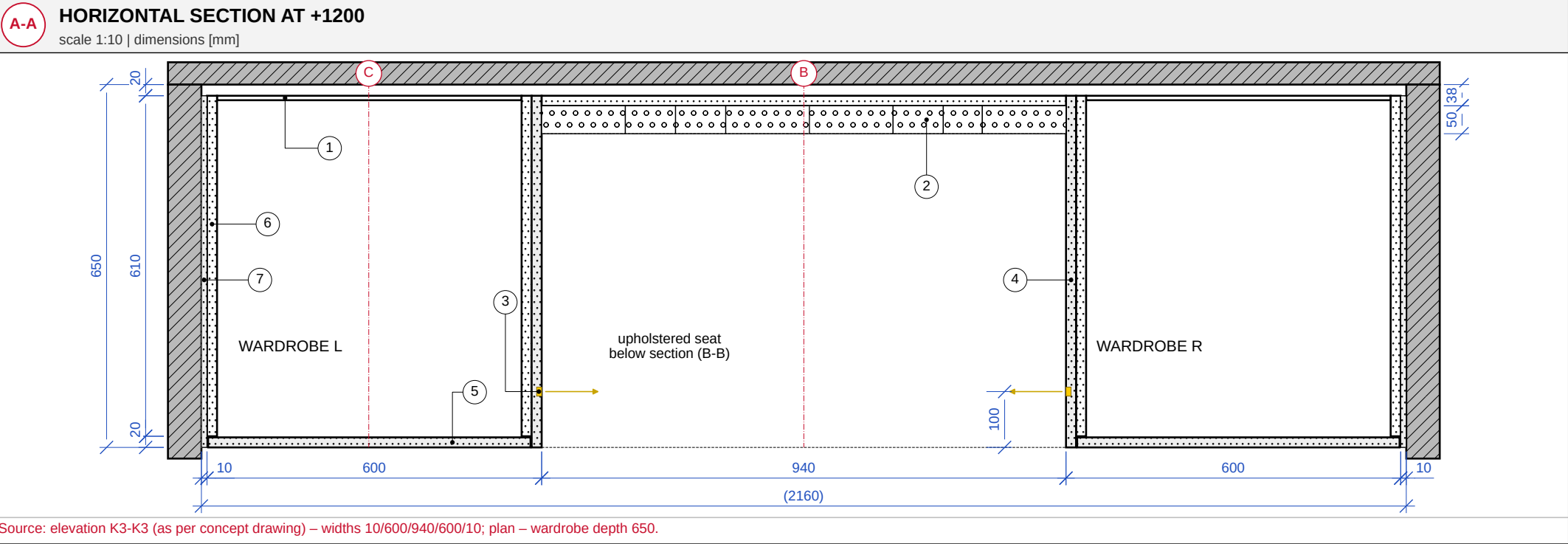
DRAWING NO.
RTV-09

DISCIPLINE
Interior fit-out / joinery

DESIGNED / DRAWN
Ewa Arlen, M.Sc. Eng. Arch.
phone +48 507 066 339

ENTRANCE LOBBY – WARDROBE WITH BENCH SEAT (K3) – SECTIONS

Wardrobe 2160 × 650, niche with seat 940, LED 3000 K in niche sides. Supplements elevation K3-K3 (as per concept drawing).



- DRAWING KEY**
- 8 mm U750 back in groove, 20 clearance to wall (cables, unevenness)
 - backrest: 8 upholstered strips 150/90, T35 foam 40 + 12 board, MAGIC VELVET 2274 mist beige fabric; fixed on hanging rails
 - LED 3000 K in recess side, centreline 100 from front face – D1
 - niche face panel MDF 18 matt lacquer NCS S2502-Y20R
 - front MDF 18 matt lacquer NCS S2502-Y20R, frame 20, 2 gap
 - carcass – 18 board Egger U750 ST9 Taupe Grey
 - wall scribe 10 – cut to fit on site
 - seat: T35 foam 100, fabric ditto, removable (Velcro)
 - lift-up flap 18, 2 gas struts, flap hinges
 - box front 18 upholstered, 20 foam
 - plinth 80 set back 60, adjustable feet
 - fascia MDF 18 + Orac Decor WX210 REED panel, painted NCS S2502-Y20R
 - recess head MDF 40 lacquered; LED cable entry to fascia zone
 - 3 internal shoe drawers, full-extension runners
 - top shelf 18 U750
 - full-height front 2586, 5 soft-close hinges
 - Opa Interiors handle 380 mm, gold
 - recessed aluminium profile, 17 × 9 groove
 - opal diffuser; 24 V 3000 K CRI ≥ 90 strip, 9.6 W/m
 - carcass side 18 U750
 - niche facing panel MDF 18 lacquered
 - LED cable in 6 × 6 channel between side and facing panel

LED SUPPLY: 24 V driver in bulkhead zone above wardrobe L – access by removing REED panel (on clips), 20% power reserve. Controlled from lobby circuit. Run cables before fitting face panels.

LEGEND		
	existing wall	
	plasterboard	
	aluminium	
	section 0.35	
	hidden	
	MDF / chipboard	
	foam	
	LED	
	elevation 0.18	
	lacquered MDF	
	steel PVD gold	
	floor build-up	
	dimension 0.13	

- GENERAL NOTES**
- all works to be carried out in accordance with good building practice, current regulations and standards (EN/ISO), approvals and manufacturers' instructions;
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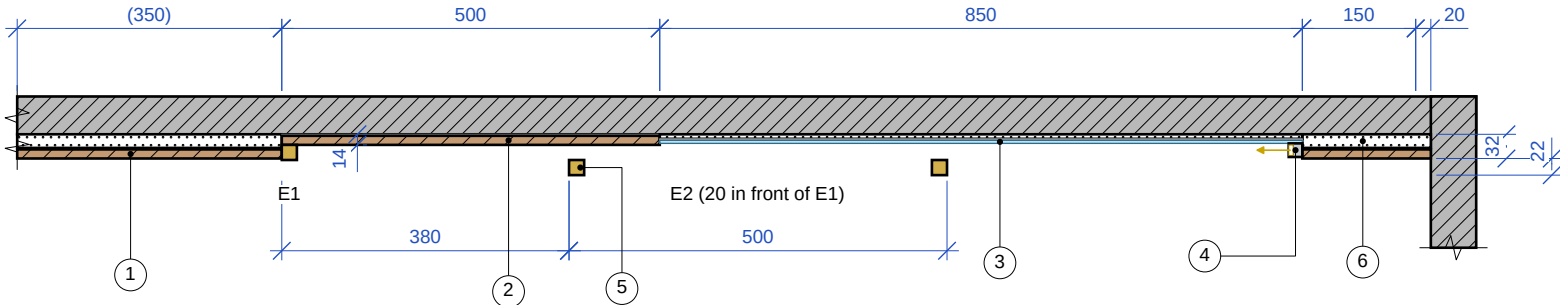
Ewa Arlen INTERIOR ARCHITECTURE	
DRAWING TITLE ENTRANCE LOBBY – WARDROBE WITH BENCH SEAT (K3) – SECTIONS	
PROJECT Private residence, Poland	SIZE / SCALE A3 1:25, 1:10, 1:1
CLIENT Private client	DRAWING NO. U-10
DISCIPLINE Interior fit-out / joinery	DESIGNED / DRAWN Ewa Arlen, M.Sc. Eng. Arch. phone +48 507 066 339

DESIGNED / DRAWN
Ewa Arlen, M.Sc. Eng. Arch.
phone +48 507 066 339

CORRIDOR – NICHE WITH MIRROR, METAL ARCHES AND CONSOLE WITH PLANTER (K11) – HORIZONTAL SECTIONS

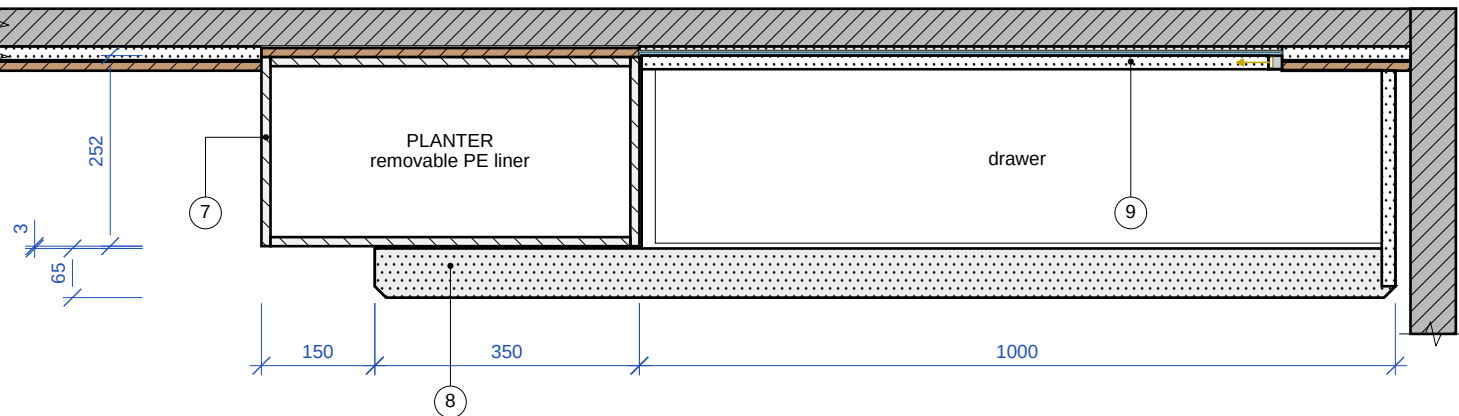
Corridor end wall. Bronze mirror and metalwork in 20 mm niche, KOPRO LED in niche corners, wall-hung console wrapping planter.

A-A HORIZONTAL SECTION AT +1500 (MIRROR, METALWORK)
scale 1:10 | dimensions [mm]



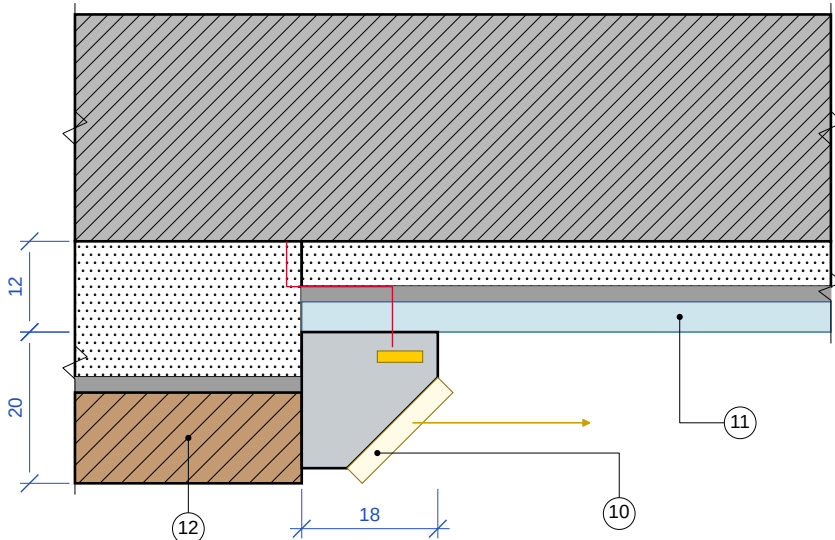
Source: K11-K11 as per concept drawing: 1950 / 850 / 150 / 20; planter 500 (1450...1950), console 1350 (1600...2950) +730...+900. Recess 20 and KOPRO – U-03.1. Planter depth 250, console depth 320 from mirror face – studio solution, verify on site.

B-B HORIZONTAL SECTION AT +800 (CONSOLE, PLANTER)
scale 1:10 | dimensions [mm]



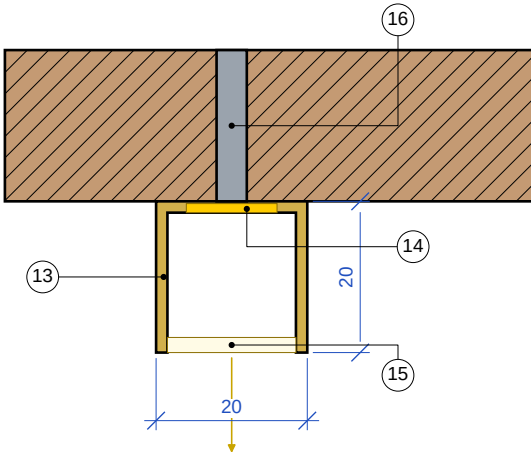
Console wraps planter at front (65 band), 3 gap around planter. Planter Dekton Arga 12, made to order.

D1 RECESS CORNER – LED KOPRO
scale 1:1 | dimensions [mm]



KLUŚ KOPRO A06367A_1, 3000 K, opal diffuser (U-03.1). Cable in gap between backing boards.

D2 METALWORK – SECTION
scale 1:1 | dimensions [mm]



Zobal C-32 cannot be bent to an arch (note on concept drawing) – replaced with 20×20 stainless steel U-profile, roll-bent.

DRAWING KEY

- 1 cladding: MDF 18 backing + K008 Light Select Walnut board, face 32
- 2 in recess: K008 bonded, face 14
- 3 bronze mirror 4 mm, 15 bevel, bonded to HDF/MDF 6 – face 12
- 4 LED KLUŚ KOPRO A06367A_1 in right and top recess corner – D1
- 5 metalwork: E1 in niche plane, E2 20 in front of E1 (interlaced) – D2, U-13
- 6 K008 strip 150 + 20 movement joint at side wall
- 7 planter Dekton Arga 12, bonded; removable PE liner, no drain – plants in pots
- 8 console with cut-out for planter – fluted front runs past planter
- 9 console: carcass U750, front lacquer NCS S2502-Y20R fluted, rounded flutes 15 per RY-01 D2
- 10 aluminium corner profile KOPRO, opal diffuser
- 11 bronze mirror 4 + adhesive + backing 6
- 12 recess external cladding K008
- 13 U-profile 20 × 20 × 1.5 stainless steel, PVD brushed gold, bent
- 14 COB LED tape 24 V 3000 K in profile channel
- 15 opal silicone diffuser, clip-in
- 16 M6 steel spacer at 400 c/c, bonded into cladding / backing

Metalwork with LED: E2 fed via ceiling (on leg axis), E1 via entry in planter or cladding – 2 × 0.75 cable before cladding. 24 V drivers in ceiling at access hatch. Sequence: backings and cables → LED test 30 min → K008 → mirror → metalwork (dry fit, then drill) → planter → console.

LEGEND

GENERAL NOTES

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 4. clarify any discrepancy in the documents with the designer;
 5. coordinate with electrical and plumbing installations before starting work;
 6. read all drawings together.
- Dimensions in mm, from finished floor level ±0, between finished wall surfaces.
Dimensions in brackets () – to be verified on site.

Ewa Arlen
INTERIOR ARCHITECTURE

DRAWING TITLE
CORRIDOR – NICHE WITH MIRROR, METAL ARCHES AND CONSOLE WITH PLANTER (K11) – HORIZONTAL SECTIONS

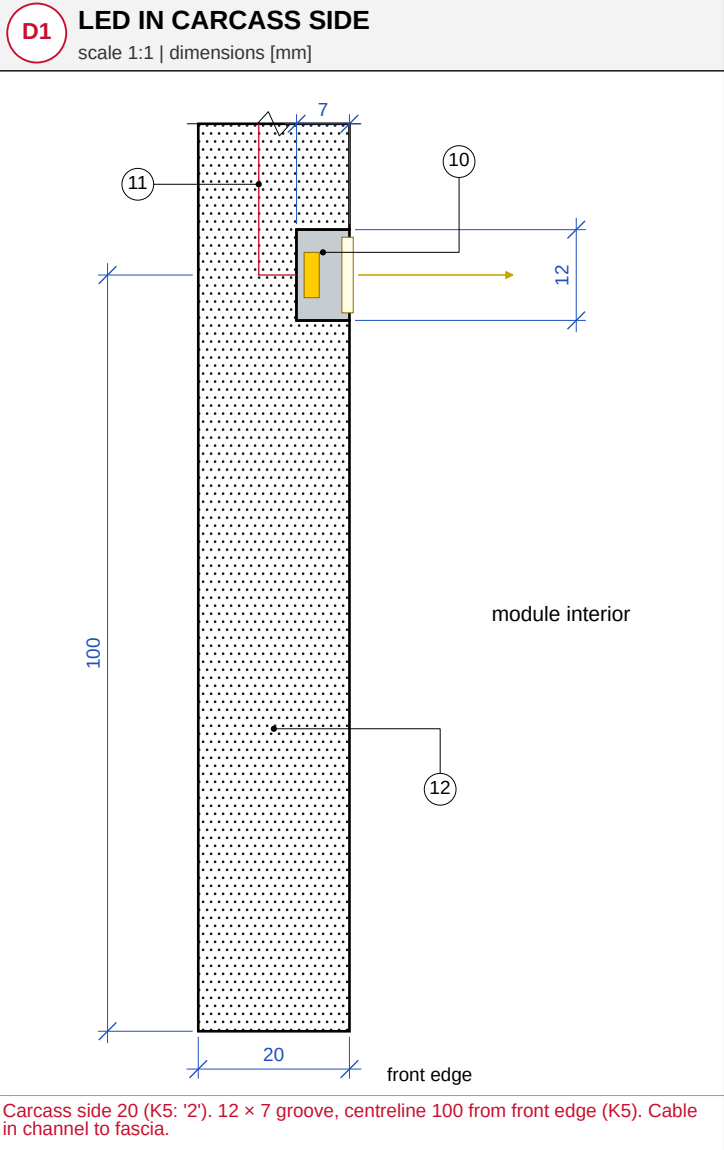
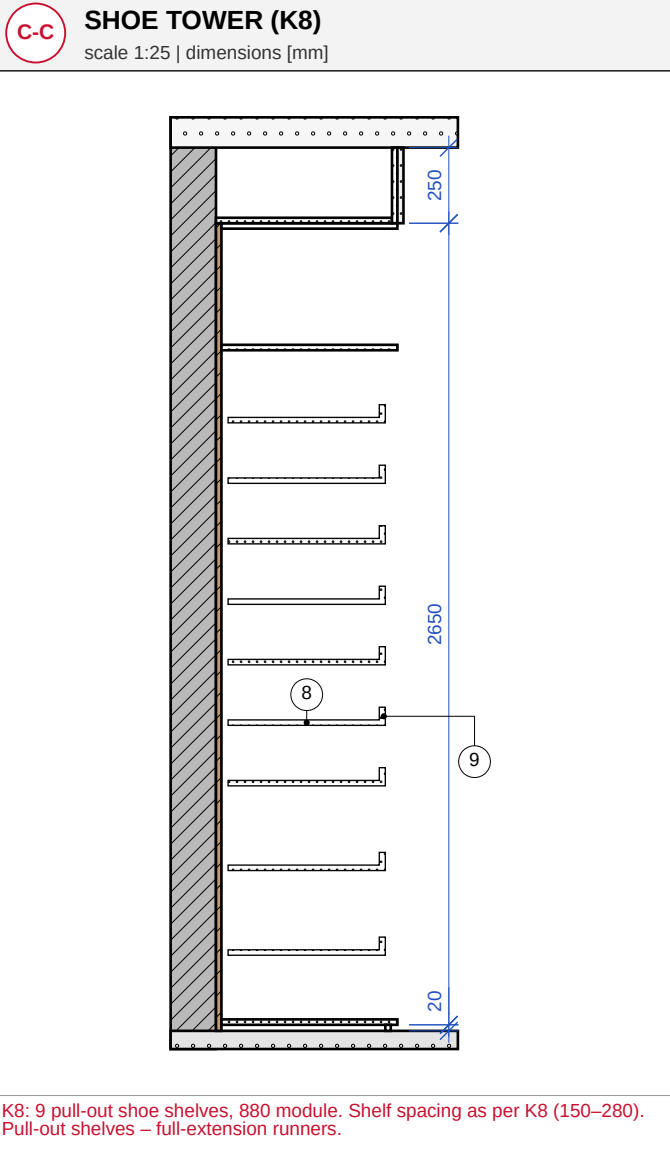
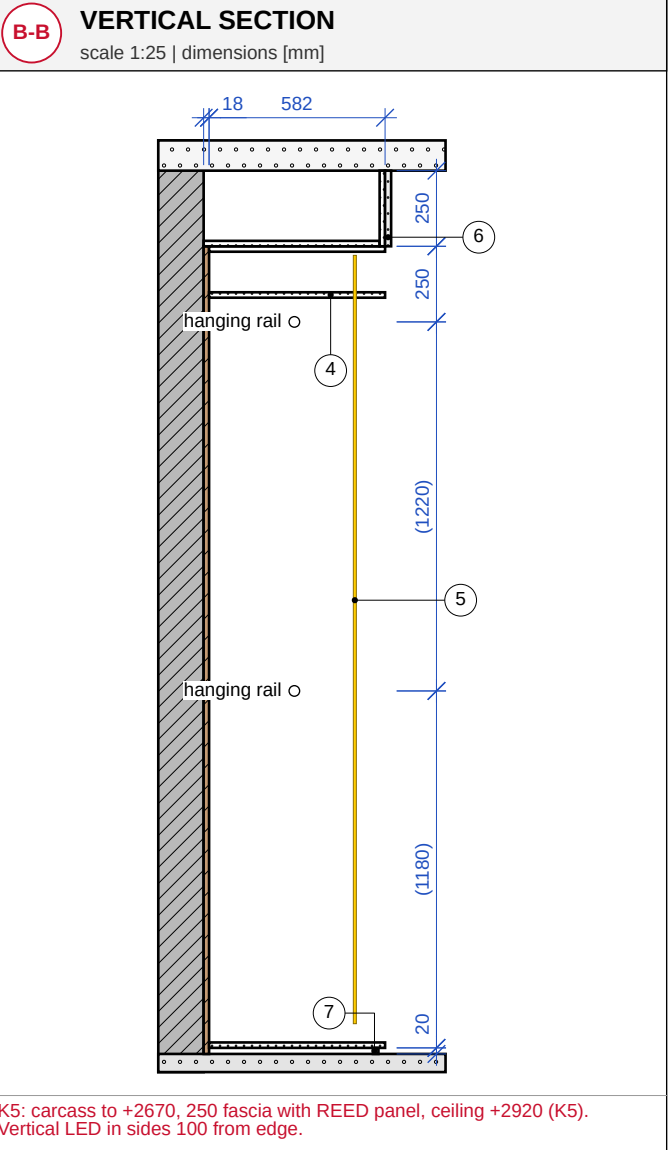
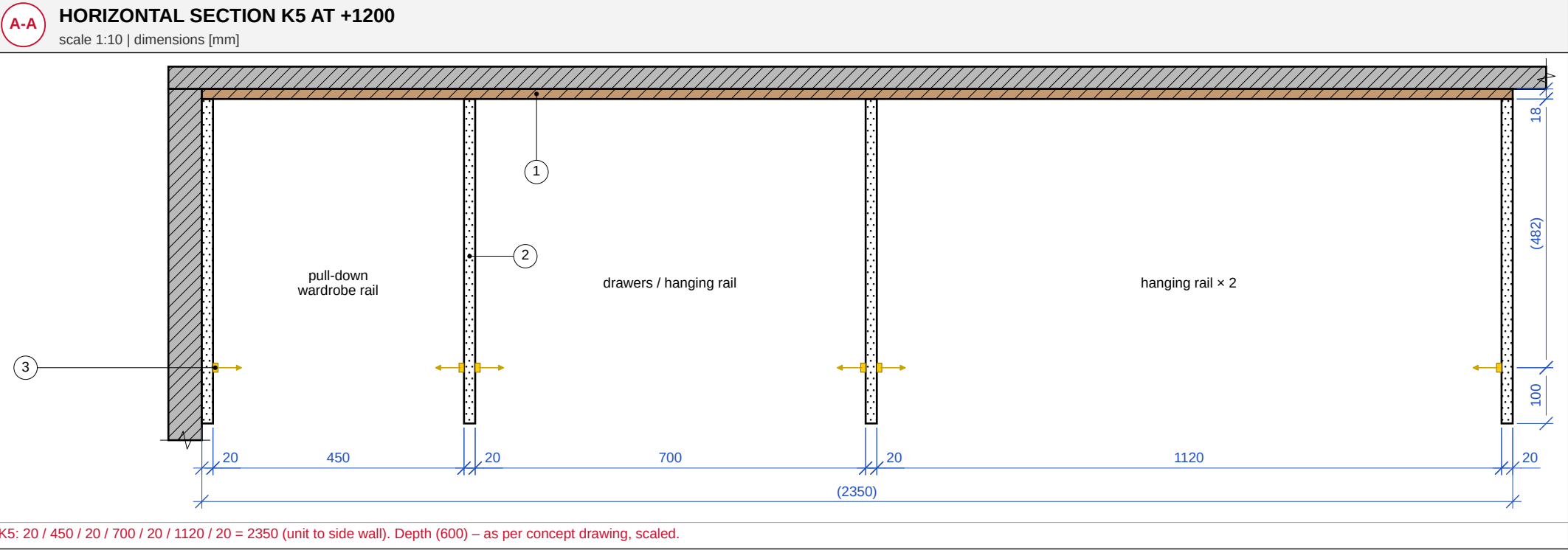
PROJECT Private residence, Poland	SIZE / SCALE A3 1:10, 1:1
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CLIENT Private client	DRAWING NO. U-12
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DISCIPLINE Interior fit-out / joinery	DESIGNED / DRAWN Ewa Arlen, M.Sc. Eng. Arch. phone +48 507 066 339
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DRESSING ROOM (K5-K8) – SECTIONS OF OPEN JOINERY WITH LED

Open shelving: carcass U750, back K008 walnut, vertical LED in carcass sides. Supplements elevations K5, K6, K8 as per concept drawing.



- DRAWING KEY**
- 1 back – K008 Light Select Walnut 18 board, single plane
 - 2 carcass side 20 – U750 ST9 Taupe Grey board
 - 3 vertical LED in side, 100 from edge, 3000 K – D1
 - 4 top shelf 18
 - 5 LED 24 V 3000 K in side groove, full module height
 - 6 MDF 18 fascia + Orac WX210 REED panel painted NCS S2502-Y20R
 - 7 plinth 20 set back 20 (K5: 2 cm), adjustable feet
 - 8 pull-out shoe shelf with 60 stop rail
 - 9 full-extension runners, offset from LED profile
 - 10 recessed profile, 12 × 7 groove, opal diffuser
 - 11 cable in 6 × 6 channel behind back panel
 - 12 carcass side U750 20

LED SUPPLY: 24 V driver in bulkhead above 1120 module (REED panel on clips – access). Control: motion sensor or switch by entrance (as per electrical K5–K8). Driver ventilation – 10 slot in bulkhead soffit.

LEGEND

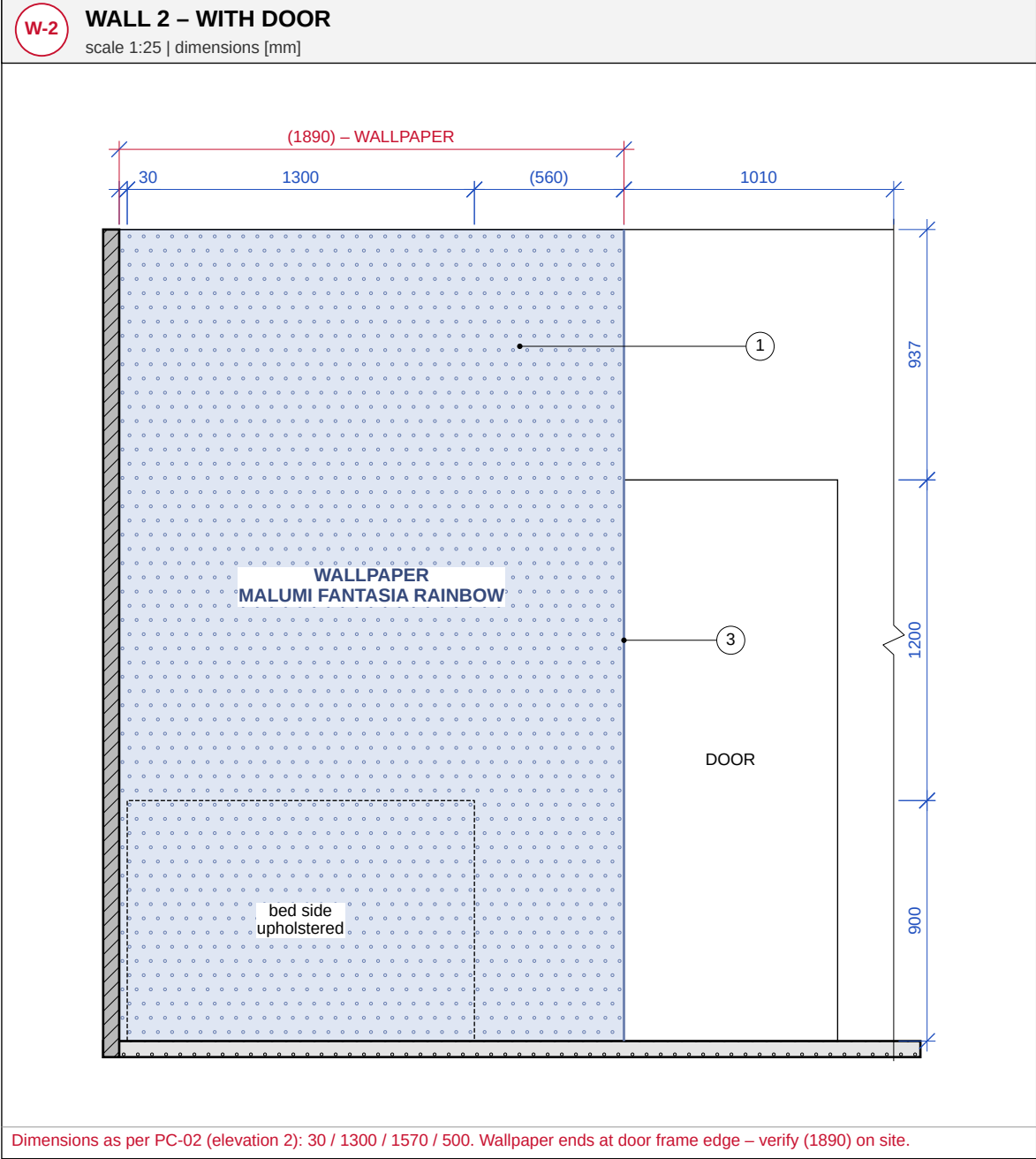
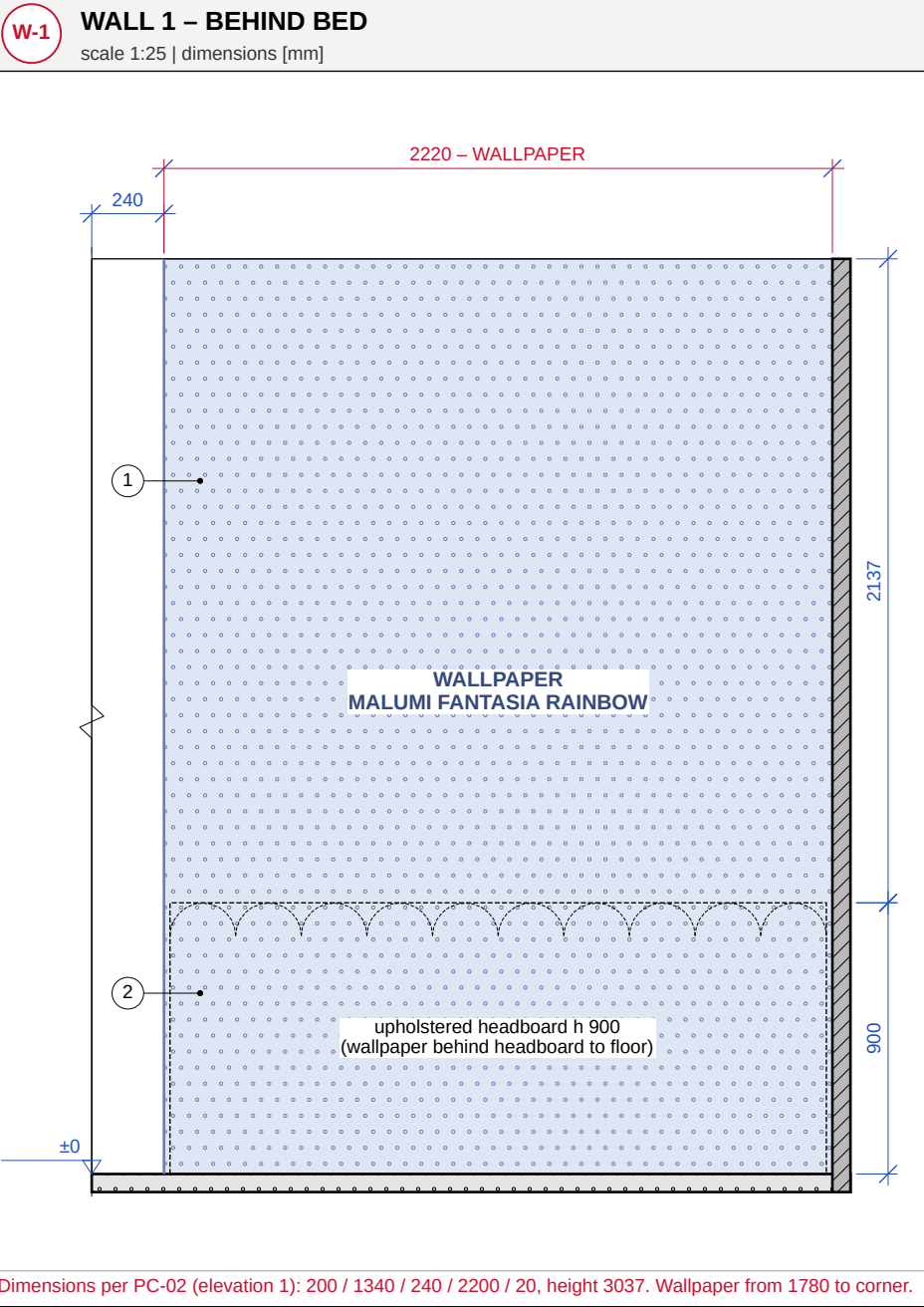
existing wall	MDF / chipboard	lacquered MDF
K008 walnut	plasterboard	aluminium
LED	floor build-up	section 0.35
elevation 0.18	dimension 0.13	hidden

- GENERAL NOTES**
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 - check all dimensions on site before starting work; report any discrepancy to the designer;
 - the drawings form part of a multi-discipline design and are to be read as a whole;
 - clarify any discrepancy in the documents with the designer;
 - coordinate with electrical and plumbing installations before starting work;
 - read all drawings together.
- Dimensions in mm, from finished floor level ±0, between finished wall surfaces. Dimensions in brackets () – to be verified on site.

Ewa Arlen INTERIOR ARCHITECTURE	
DRAWING TITLE DRESSING ROOM (K5–K8) – SECTIONS OF OPEN JOINERY WITH LED	
PROJECT Private residence, Poland	SIZE / SCALE A3 1:25, 1:10, 1:1
CLIENT Private client	DRAWING NO. U-16
DISCIPLINE Interior fit-out / joinery	DESIGNED / DRAWN Ewa Arlen, M.Sc. Eng. Arch. phone +48 507 066 339

DAUGHTER'S BEDROOM – MALUMI FANTASIA RAINBOW WALLPAPER, MATERIALS SCHEDULE

Wallpaper on wall behind bed (wall 1) and on door wall from corner (wall 2). Supplements PC-02 and PC-03 (elevations of walls 1–4).



DRAWING KEY

1

Malumi Fantasia Rainbow wallpaper, vinyl on non-woven 300 g/m², hung floor to ceiling

2

upholstered headboard – FibreGuard Deluxe 50 Orchid fabric, H 900

3

door – wallpaper ends at frame edge

Room height 3037 – as per PC-02/03, verify by survey before ordering wallpaper.

LEGEND

existing wall

floor build-up

section 0.35

elevation 0.18

dimension 0.13

hidden

GENERAL NOTES

1. all works to be carried out in accordance with good building practice, current regulations and standards (EN/ISO), approvals and manufacturers' instructions;

2. check all dimensions on site before starting work; report any discrepancy to the designer;

3. the drawings form part of a multi-discipline design and are to be read as a whole;

4. clarify any discrepancy in the documents with the designer;

5. coordinate with electrical and plumbing installations before starting work;

6. read all drawings together.

Dimensions in mm, from finished floor level ±0, between finished wall surfaces. Dimensions in brackets () – to be verified on site.

T-1

WALLPAPER – ORDER DIMENSIONS

WALL	WIDTH	WYS.	m² net	TO ORDER	m²
1 – behind bed	2220	3037	6.74	2270 × 3090	7.01
2 – to door	(1890)	3037	5.74	1940 × 3090	5.99
TOTAL	4110		12.48	total width 4.21 lin. m	13.00

• Order as two walls; rainbow motif runs round the corner – state both dimensions and furniture position when ordering (free fitting).

• Furniture to state: headboard h 900 on wall 1, bed side h 900 on wall 2.

• Material: vinyl on non-woven 300 g/m², washable.

• Hang on primed wall with non-woven wallpaper paste; before ordering, survey after plastering and painting.

Malumi sells the wallpaper per m² to wall size; 5 cm allowance is added to width and height (manufacturer's recommendation).

ZM-01

MATERIALS SCHEDULE – DAUGHTER'S ROOM

POZ.	MATERIAL	LOCATION	QTY
1	Wallpaper Malumi Fantasia Rainbow, vinyl on non-woven	wall 1 and 2	13,0 m² (T-1)
2	Fabric FibreGuard Deluxe 50 Orchid	headboard, bed side, seat in R570 arch	approx. 5.5 lm (140 cm wide)
3	matt paint NCS S 1002-Y50R	walls as per PC-02/03	as measured
4	matt paint NCS S 2005-Y50R	walls as per PC-02/03	as measured
5	Skirting Orac Decor SX163	perimeter outside joinery	perimeter 14.8 lm less doors, joinery
6	LED profile KLUŚ KOPRO A06367A_2, LED 3000 K	niche corner – S-1 (PC-02)	as measured

Fabric and paint quantities confirmed by contractor after survey; mouldings and profiles – 15% allowance.

Ewa Arlen

INTERIOR ARCHITECTURE

DRAWING TITLE

DAUGHTER'S BEDROOM – MALUMI FANTASIA RAINBOW WALLPAPER, MATERIALS SCHEDULE

PROJECT

Private residence, Poland

SIZE / SCALE

A3
1:25

CLIENT

Private client

DRAWING NO.

PC-01

DISCIPLINE

Interior fit-out / joinery

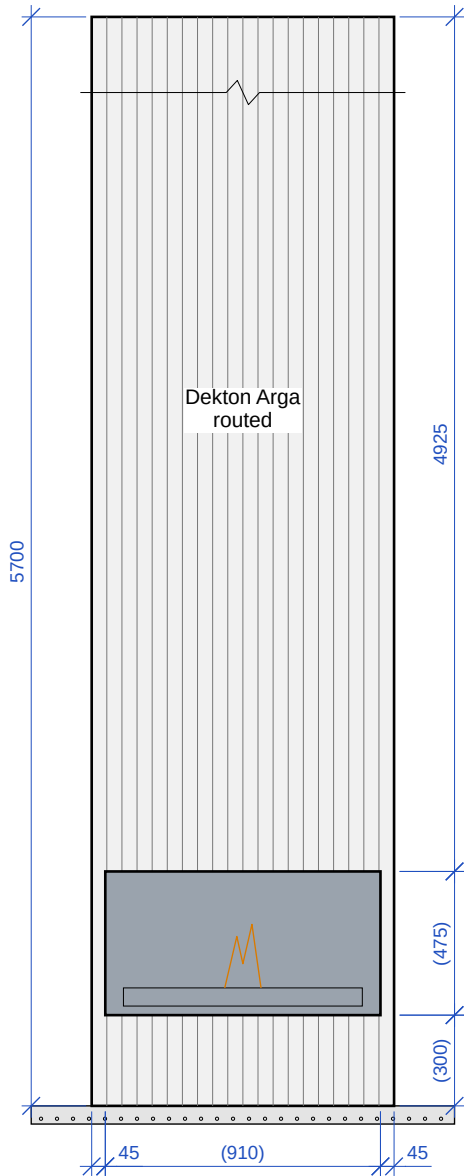
DESIGNED / DRAWN

Ewa Arlen, M.Sc. Eng. Arch.
phone +48 507 066 339

LIVING / KITCHEN – DOUBLE-SIDED BIOETHANOL FIREPLACE SURROUND

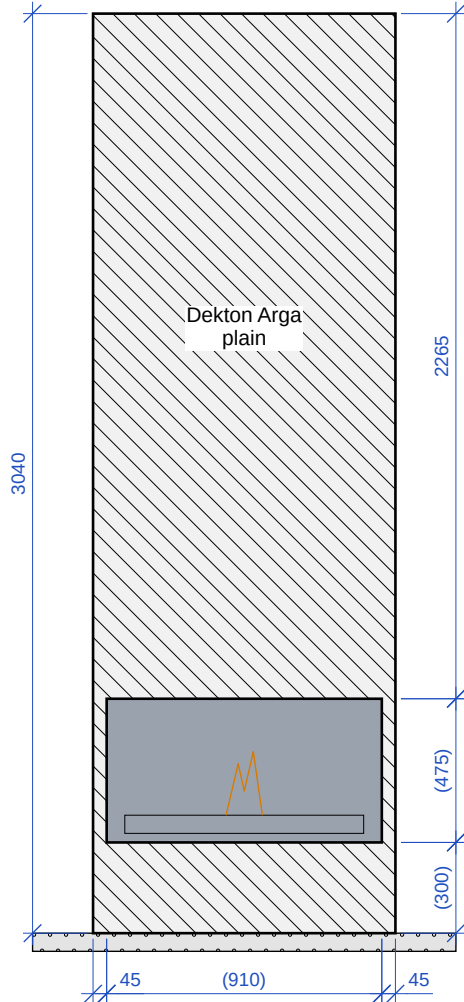
Supplement to concept drawing. Unit 1000 × 500 in line with display cabinets, Dekton Arga 12 cladding; double-sided tunnel insert.

W-1 ELEVATION FROM LIVING ROOM (SD4)
scale 1:25 | dimensions [mm]



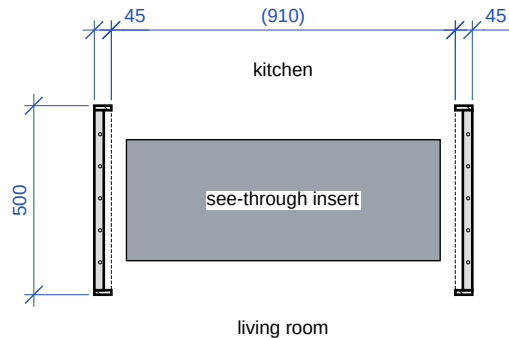
As per concept drawing: column 1000, routed Dekton Arga, up to living room ceiling (5700). Opening – scaled off concept drawing.

W-2 ELEVATION FROM KITCHEN (SD8)
scale 1:25 | dimensions [mm]



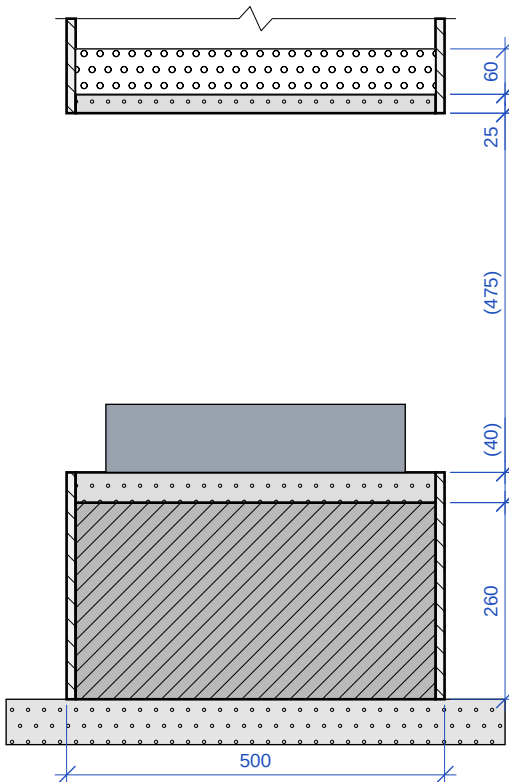
As per concept drawing: same cladding from kitchen side, Dekton Arga smooth, to underside of beam (3040).

R PLAN AT +500
scale 1:20 | dimensions [mm]



Section through opening: Dekton stopped at opening width on both sides; reveals without trims (board 25 + adhesive + Dekton 12 = 42 ≤ 45).

P SECTION THROUGH FIREBOX
scale 1:10 | dimensions [mm]



Masonry plinth with ventilation grilles; above firebox 25 board + A1 wool 60, ventilated void; no LED or cables within 500 above flame.

SHEET NOTES

- Dekton Arga 12 mm cladding (Cosentino): living side grooved vertically at 50 c/c, kitchen side plain; C2TE S2 adhesive per Cosentino system, bottom edge supported; opening edges ground 45°
- calcium silicate fire board 25 mm; self-supporting at opening reveals (42 mm ≤ 45); 40 × 40 steel frame only above and below opening and at corners outside clear opening
- tunnel bioethanol insert (double-sided), opening (910 × 475) clear of cladding, centred in column – reveals 45 / 45 (concept drawing shows opening at left edge – symmetrical layout adopted)
- firebox base – fire-resistant board on masonry plinth, level +260; air inlet grilles both sides of plinth (as per insert data sheet)
- above firebox 25 board + mineral wool 60 (A1); ventilated gap; no LED or cables above flame

Opening dimensions scaled from concept drawing – in (). Before ordering the insert and cutting the sintered stone, stonemason and installer confirm dimensions as per insert data sheet (EN 16647).

LEGEND

existing wall	sintered stone / stone	cement board
foam	floor build-up	steel
section 0.35	elevation 0.18	dimension 0.13
hidden		

GENERAL NOTES

- all works to be carried out in accordance with good building practice, current regulations and standards (EN/ISO), approvals and manufacturers' instructions;
 - check all dimensions on site before starting work; report any discrepancy to the designer;
 - the drawings form part of a multi-discipline design and are to be read as a whole;
 - clarify any discrepancy in the documents with the designer;
 - coordinate with electrical and plumbing installations before starting work;
 - read all drawings together.
- Dimensions in mm, from finished floor level ±0, between finished wall surfaces.
Dimensions in brackets () – to be verified on site.

Ewa Arlen
INTERIOR ARCHITECTURE

DRAWING TITLE
LIVING / KITCHEN – DOUBLE-SIDED BIOETHANOL FIREPLACE SURROUND

PROJECT Private residence, Poland	SIZE / SCALE A3 1:25, 1:20, 1:10
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CLIENT Private client	DRAWING NO. BK-01
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DISCIPLINE Interior fit-out / joinery	DESIGNED / DRAWN Ewa Arlen, M.Sc. Eng. Arch. phone +48 507 066 339
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