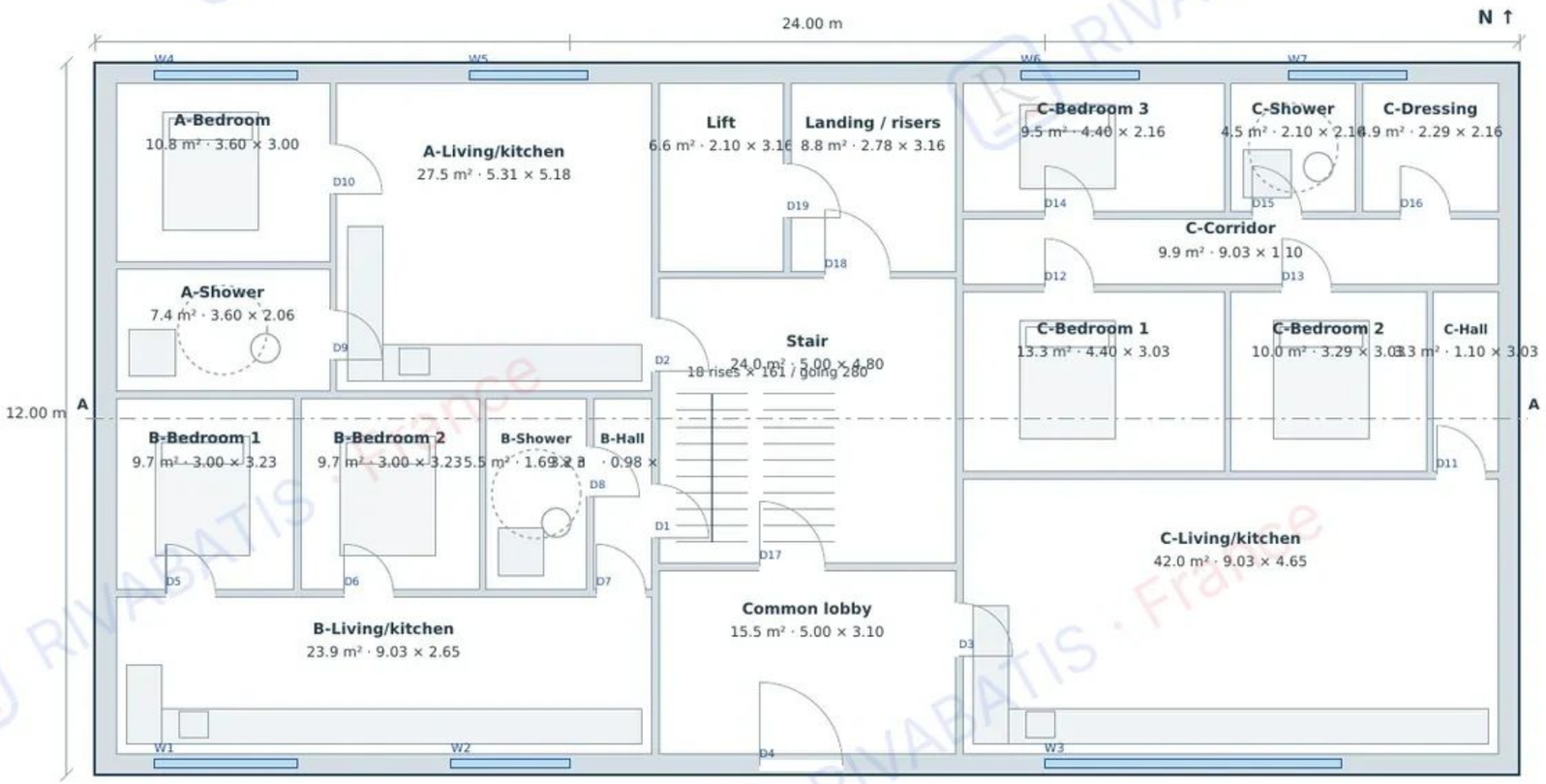
ARCHITECTURAL PLAN · GROUND FLOOR

Apartment building · A864 · 2D design portfolio



Ground floor: 3 flats A/B/C, accessible lobby, lift, stair and service shafts. Three storeys: 864 m² gross floor area (24 × 12 × 3).

Dimensions in metres · wall thicknesses shown · W / D opening references

0 2 m

SPECIFICATION / MATERIALS

E1	Legrand Dooxie / Céliane · earthed sockets
E2	Nexans H07V-U / U-1000 R2V
E3	Schneider Resi9 / Acti9 · protection
E4	30 mA RCD · types A/F · continuous PE
E5	Philips CoreLine LED · DCL / IP44 / IP65
L	Brown live · black return · 1.5/2.5/6 mm²
N	Blue neutral · same cross-section as L
PE	Green-yellow · earth / bonding
P1	Comap MultiSkin · Ø16×2 / Ø20×2 / Ø26×3
P2	Nicoll PVC · waste Ø40/50 · soil Ø100
P3	Jacob Delafon Odéon Up / Porcher
P4	Grohe Eurosmart / Hansgrohe Talis
H1	Atlantic Alféa / Daikin Altherma
H2	Thermor Aéromax · ECS / DHW
V1	Aldes EasyHOME Hygro / InspirAIR
S1	Porotherm GF R20 Th+ · 500×200×299
S2	Ytong Compact 20 · 625×200×250
S3	Fabemi B40 / Alkern BC20 · 500×200×200
I1	Isover GR32 / Knauf · Placo BA13
W1	K-Line KL-BC / Technal SOLEAL
W2	DV 4/16 Ar/4 FE · warm-edge · Ug 1.1
F1	Marazzi / Porcelanosa / Atlas Concorde
F2	Webercol flex comfort C2S1 · Weberjoint
F3	Tollens Idrotop / Seigneurie Evolutex
R1	Terreal / Edilians · ou SOPREMA toiture

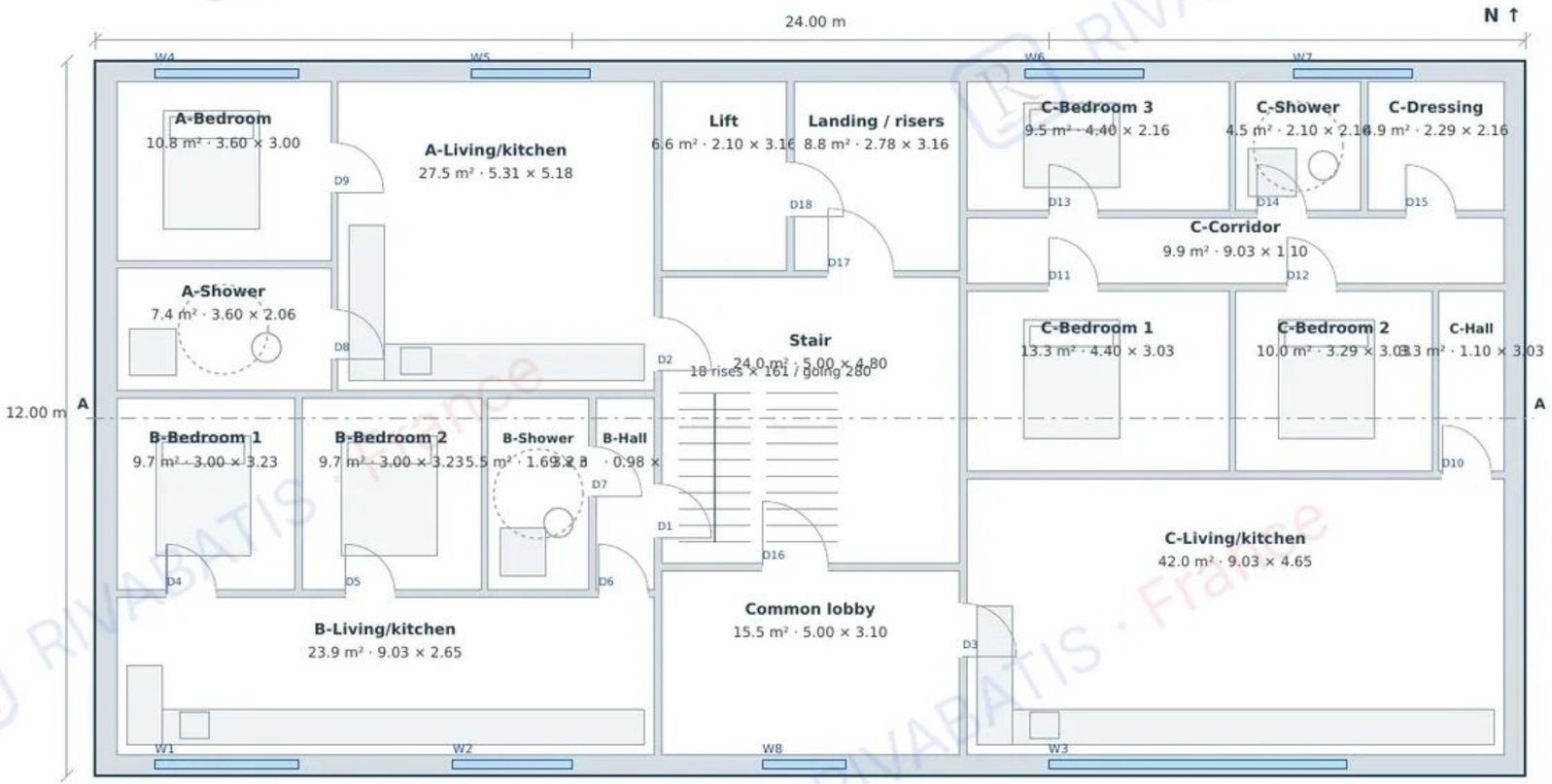
DESIGN REFERENCES

NF C 15-100 (2024) · NF DTU 60.1/60.11 · DTU 20.1 · 61.1 · RE2020 · Eurocodes

Equipment tags refer to this schedule. Coordinated architecture, services and finishes.

ARCHITECTURAL PLAN · UPPER FLOORS

Apartment building · A864 · 2D design portfolio



Levels 1 and 2: matching grid and stacked shafts. T2 one-bedroom (A), T3 two-bedroom (B), T4 three-bedroom (C). Room areas are calculated from the stated clear dimensions.

Dimensions in metres · wall thicknesses shown · W / D opening references

0 2 m

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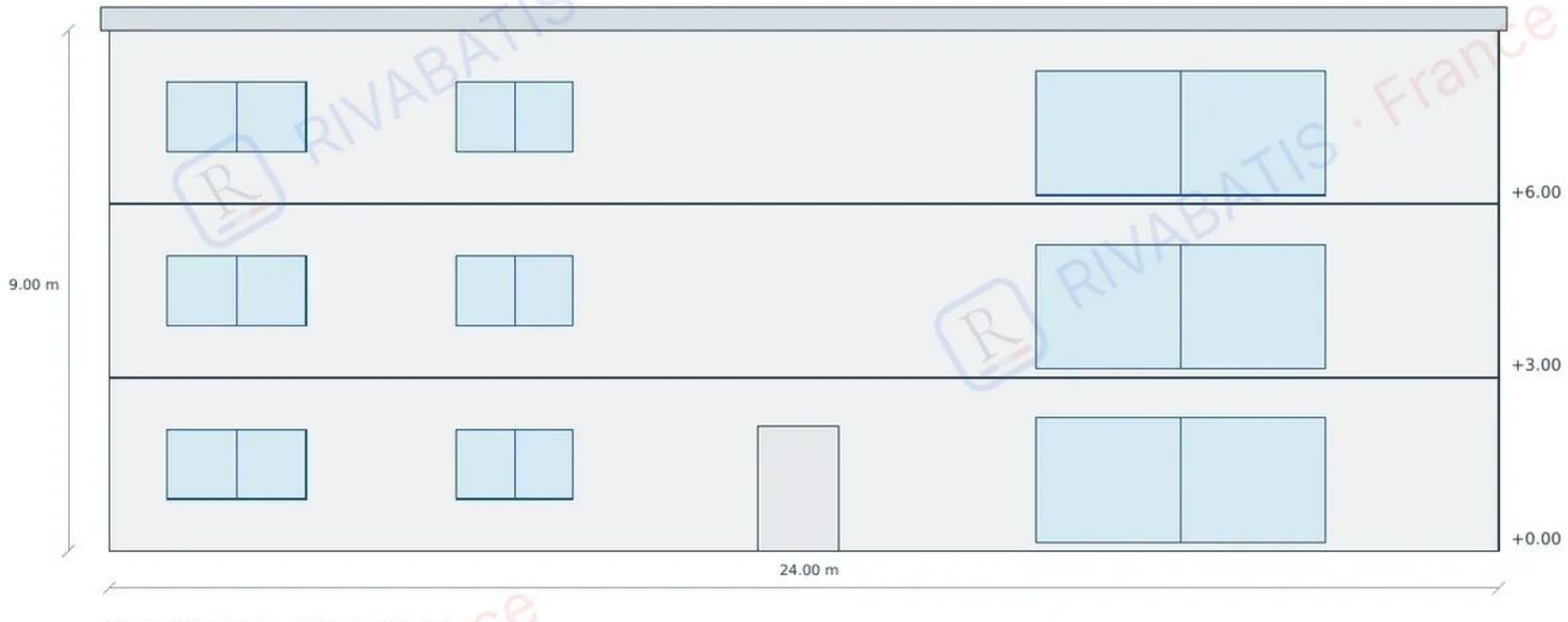
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FRONT ELEVATION AND SECTION A–A

Apartment building · A864 · 2D design portfolio

SOUTH ELEVATION · W1/W2



SECTION A–A · WALL S1 / I1 / I2



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DOOR AND WINDOW REGISTER

Apartment building · A864 · 2D design portfolio

NOMINAL OPENING DIMENSIONS · W1/W2

ID	Width × height (m)	Construction	Reference
W1	2.40 × 1.20	Aluminium, low-e argon DG	W1/W2
W2	2.00 × 1.20	Aluminium, low-e argon DG	W1/W2
W3	5.00 × 2.15	Aluminium, low-e argon DG	W1/W2
W4	2.40 × 1.20	Aluminium, low-e argon DG	W1/W2
W5	2.00 × 1.20	Aluminium, low-e argon DG	W1/W2
W6	2.00 × 1.20	Aluminium, low-e argon DG	W1/W2
W7	2.00 × 1.20	Aluminium, low-e argon DG	W1/W2
W8	1.40 × 1.20	Aluminium, low-e argon DG	W1/W2
D1	0.90 × 2.15	Door set / stated passage	F3
D2	0.90 × 2.15	Door set / stated passage	F3
D3	0.90 × 2.15	Door set / stated passage	F3
D4	0.83 × 2.15	Door set / stated passage	F3
D5	0.83 × 2.15	Door set / stated passage	F3
D6	0.83 × 2.15	Door set / stated passage	F3
D7	0.83 × 2.15	Door set / stated passage	F3
D8	0.83 × 2.15	Door set / stated passage	F3
D9	0.83 × 2.15	Door set / stated passage	F3
D10	0.83 × 2.15	Door set / stated passage	F3
D11	0.83 × 2.15	Door set / stated passage	F3
D12	0.83 × 2.15	Door set / stated passage	F3
D13	0.83 × 2.15	Door set / stated passage	F3
D14	0.83 × 2.15	Door set / stated passage	F3
D15	0.83 × 2.15	Door set / stated passage	F3
D16	1.10 × 2.15	Door set / stated passage	F3
D17	1.10 × 2.15	Door set / stated passage	F3
D18	0.90 × 2.15	Door set / stated passage	F3
R0-D4	1.40 × 2.15	Door set / stated passage	F3

Glazing: 4/16 argon/4 low-e, Ug 1.1 W/m².K. Safety locations use laminated 44.2, including pools and low-level glazing. Windows incorporate coordinated ventilation inlets and solar shading.

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MASONRY · GLAZING · FINISHES · QUANTITIES

Apartment building · A864 · 2D design portfolio

MASONRY / BLOCKS · MANUFACTURER DATA

Tag / product	L × t × H (mm)	R (m².K/W)
S1 Porotherm GF R20 Th+	500 × 200 × 299	1.48–1.50
S2 Xella Ytong Compact 20	625 × 200 × 250	1.82
S3 Fabemi creux B40	500 × 200 × 200	0.23
S3b Alkern BC20 B40	500 × 200 × 200	Product declaration

R values for masonry alone. S1: 29 January 2025 sheet, plant-specific value. I1 GR32 120 mm: R = 3.75. Selected wall build-up: render 15 + block 200 + insulation 120 + plasterboard 13 = 348 mm.

TILES / STONE / GLAZING

ID	Space	Brand / range	Format / build-up
F1	Living / circulation	Marazzi Mystone	60×60 / 80×80
F1-P	Villa / prestige	Porcelanosa / Atlas Concorde	120×120 / 120×240
F1-B	Wet rooms	Marazzi / Porcelanosa	60×60; douche 5×5
F1-E	Terrace / pool	Atlas Concorde OUT / pierre	60×60×20 / 40×60
F2	Adhesive / grout	Webercol flex comfort C2S1	Weberjoint / étanchéité
W1/W2	Windows / glazing	K-Line / Technal SOLEAL	DV 4/16 Ar/4 FE · Ug 1.1
W2-S	Pool-side glazing	Saint-Gobain Stadip Protect	44.2/16 Ar/44.2 FE
F3	Walls / ceilings	Tollens / Seigneurie	velours / mat A+

GEOMETRIC TAKE-OFF · BOQ BASIS

Item	Quantity / formula
Gross area / floor	288.00 m²
External perimeter	72.00 m
Gross facade · 3 m / floor	648.0 m²
200 mm slab concrete / floor	57.60 m³
Internal finishes · drawn clear rooms	250.1 m²
S1 bricks · 6.6/m² of net masonry	Quantity = net wall area × 6.6

SPECIFICATION / MATERIALS

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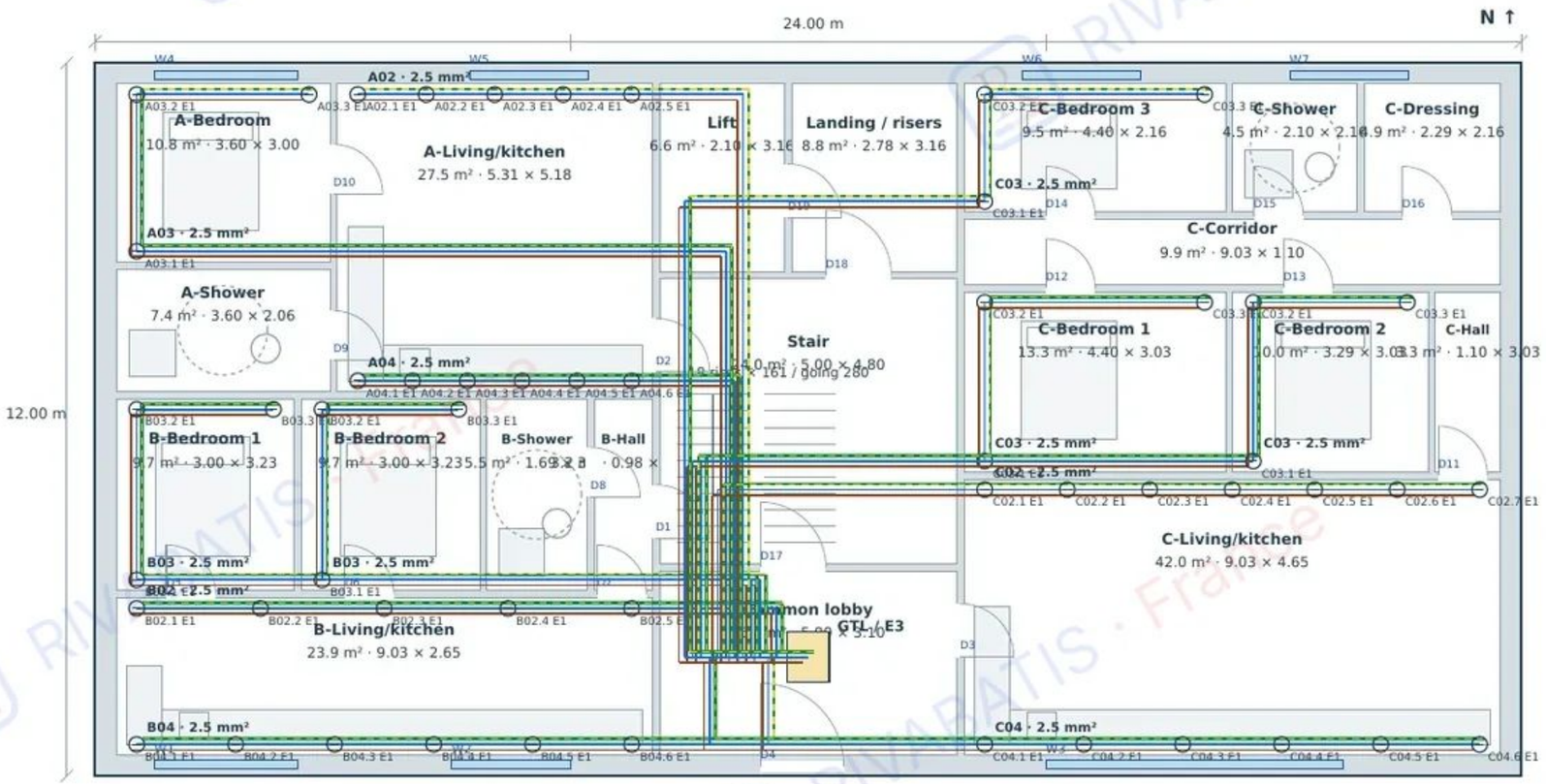
DESIGN REFERENCES

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Equipment tags refer to this schedule. Coordinated architecture, services and finishes.

SOCKETS · COLOUR WIRING

Apartment building · A864 · 2D design portfolio



RISERS: Ø100 waste/soil and ventilation in common shafts. Each dwelling has its own meter, manifolds and consumer unit. Wet services stack at levels 1 and 2.

Dimensions in metres · wall thicknesses shown · W / D opening references

0 2 m

SPECIFICATION / MATERIALS

E1	Legrand Dooxie / Céliane · earthed sockets
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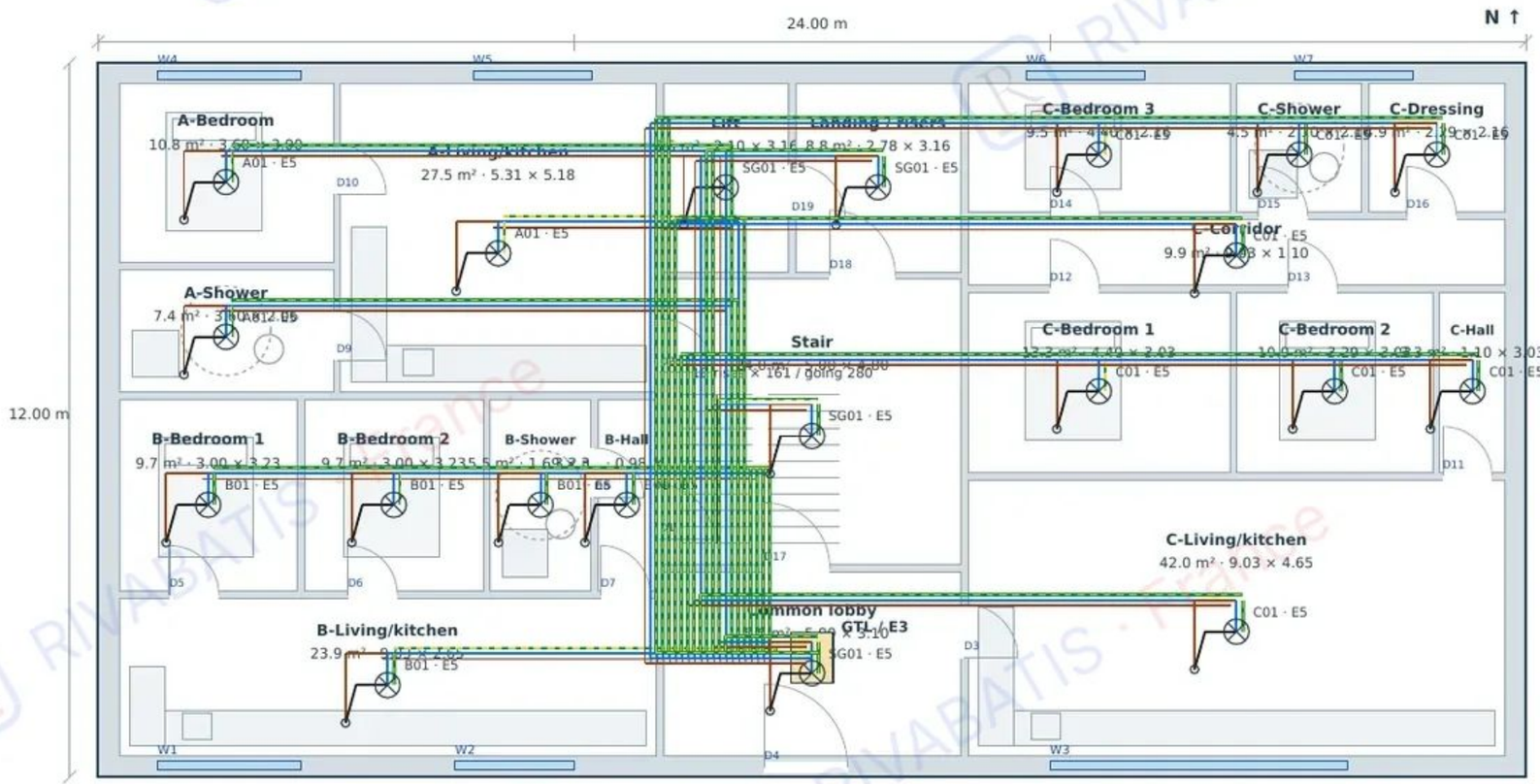
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LIGHTING · SWITCHING

Apartment building · A864 · 2D design portfolio



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Dimensions in metres · wall thicknesses shown · W / D opening references

0 2 m

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CONSUMER UNITS · DIAGRAM AND CIRCUITS

Apartment building · A864 · 2D design portfolio

DWELLING A · 60 A

Linky → DB 60 A → 2 DDR/RCD

Circuit	mm²	A	DDR
A01 Lights	1.5	10	A1
A02 Living sockets	2.5	20	A1
A03 Bedroom sockets	2.5	20	A1
A04 Kitchen sockets	2.5	20	A1
A05 Hob	6	32	A1
A06 Oven	2.5	20	A1
A07 Washer	2.5	20	A2
A08 Dishwasher	2.5	20	A2
A09 DHW	2.5	20	A2
A10 Heat pump	2.5	20	A2
A11 VMC	1.5	2	A2

RCD 1: type A / RCD 2: type F, 63 A, 30 mA. 6 + 5 circuits. Separate neutral bars and busbars.

DWELLING B · 60 A

Linky → DB 60 A → 2 DDR/RCD

Circuit	mm²	A	DDR
B01 Lights	1.5	10	B1
B02 Living sockets	2.5	20	B1
B03 Bedroom sockets	2.5	20	B1
B04 Kitchen sockets	2.5	20	B1
B05 Hob	6	32	B1
B06 Oven	2.5	20	B1
B07 Washer	2.5	20	B2
B08 Dishwasher	2.5	20	B2
B09 DHW	2.5	20	B2
B10 Heat pump	2.5	20	B2
B11 VMC	1.5	2	B2

RCD 1: type A / RCD 2: type F, 63 A, 30 mA. 6 + 5 circuits. Separate neutral bars and busbars.

DWELLING C · 60 A

Linky → DB 60 A → 2 DDR/RCD

Circuit	mm²	A	DDR
C01 Lights	1.5	10	C1
C02 Living sockets	2.5	20	C1
C03 Bedroom sockets	2.5	20	C1
C04 Kitchen sockets	2.5	20	C1
C05 Hob	6	32	C1
C06 Oven	2.5	20	C1
C07 Washer	2.5	20	C2
C08 Dishwasher	2.5	20	C2
C09 DHW	2.5	20	C2
C10 Heat pump	2.5	20	C2
C11 VMC	1.5	2	C2

RCD 1: type A / RCD 2: type F, 63 A, 30 mA. 6 + 5 circuits. Separate neutral bars and busbars.

COMMON SERVICES · SEPARATE METER

ID	Use	mm²	A
SG01	Lighting + emergency lighting	1.5	10
SG02	Maintenance sockets	2.5	20
SG03	Lift · 400 V 3N~	5×2.5	16 4P

Brown L · blue N · green-yellow PE; PE bypasses RCDs/MCBs · NF C 15-100 2024 series

SPECIFICATION / MATERIALS

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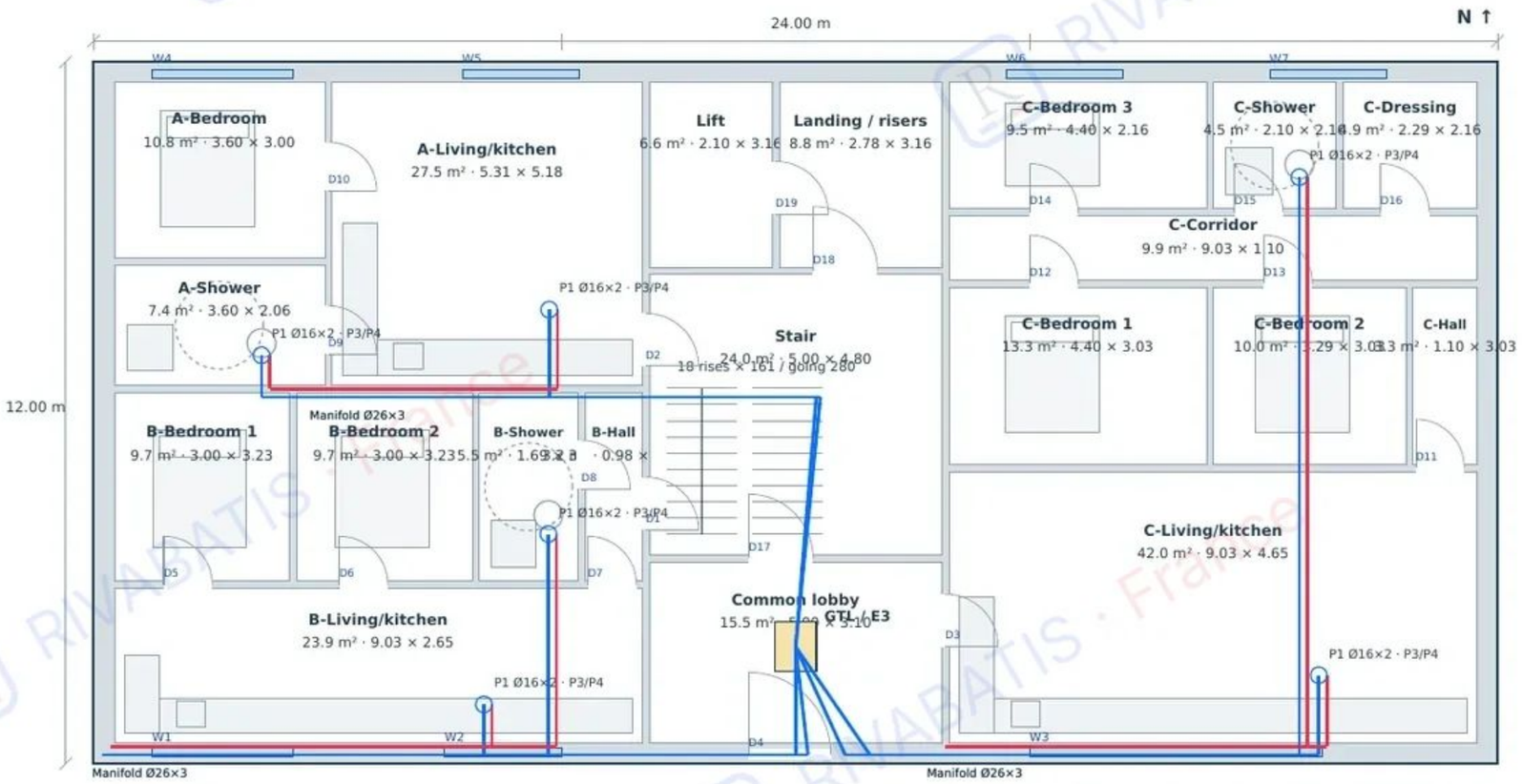
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COLD / HOT WATER

Apartment building · A864 · 2D design portfolio



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Dimensions in metres · wall thicknesses shown · W / D opening references

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F3	Tollens Idrotop / Seigneurie Evolutex
R1	Terreal / Edilians · ou SOPREMA toiture

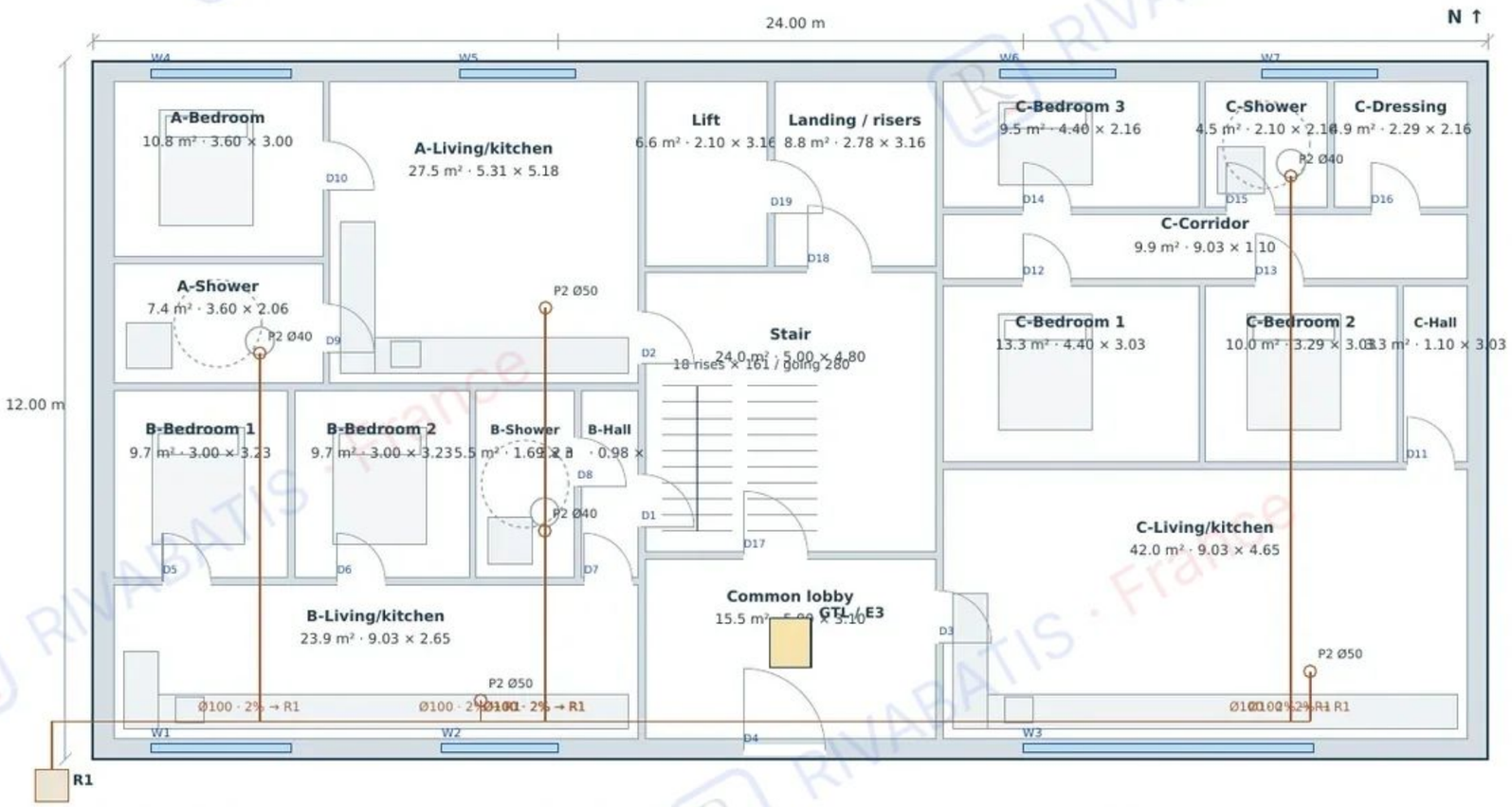
DESIGN REFERENCES

NF C 15-100 (2024) · NF DTU 60.1/60.11 · DTU 20.1 · 61.1 · RE2020 · Eurocodes

Equipment tags refer to this schedule. Coordinated architecture, services and finishes.

WASTE / SOIL DRAINAGE

Apartment building · A864 · 2D design portfolio



RISERS: Ø100 waste/soil and ventilation in common shafts. Each dwelling has its own meter, manifolds and consumer unit. Wet services stack at levels 1 and 2.

Waste/soil: 2% fall = 20 mm/m · Ø100 primary vent to roof · separate rainwater

Dimensions in metres · wall thicknesses shown · W / D opening references

0 2 m

SPECIFICATION / MATERIALS

E1	Legrand Dooxie / Céliane · earthed sockets
E2	Nexans H07V-U / U-1000 R2V
E3	Schneider Resi9 / Acti9 · protection
E4	30 mA RCD · types A/F · continuous PE
E5	Philips CoreLine LED · DCL / IP44 / IP65
L	Brown live · black return · 1.5/2.5/6 mm²
N	Blue neutral · same cross-section as L
PE	Green-yellow · earth / bonding
P1	Comap MultiSkin · Ø16×2 / Ø20×2 / Ø26×3
P2	Nicoll PVC · waste Ø40/50 · soil Ø100
P3	Jacob Delafon Odéon Up / Porcher
P4	Grohe Eurosmart / Hansgrohe Talis
H1	Atlantic Alféa / Daikin Altherma
H2	Thermor Aéromax · ECS / DHW
V1	Aldes EasyHOME Hygro / InspirAIR
S1	Porotherm GF R20 Th+ · 500×200×299
S2	Ytong Compact 20 · 625×200×250
S3	Fabemi B40 / Alkern BC20 · 500×200×200
I1	Isover GR32 / Knauf · Placo BA13
W1	K-Line KL-BC / Technal SOLEAL
W2	DV 4/16 Ar/4 FE · warm-edge · Ug 1.1
F1	Marazzi / Porcelanosa / Atlas Concorde
F2	Webercol flex comfort C2S1 · Weberjoint
F3	Tollens Idrotop / Seigneurie Evolutex
R1	Terreal / Edilians · ou SOPREMA toiture

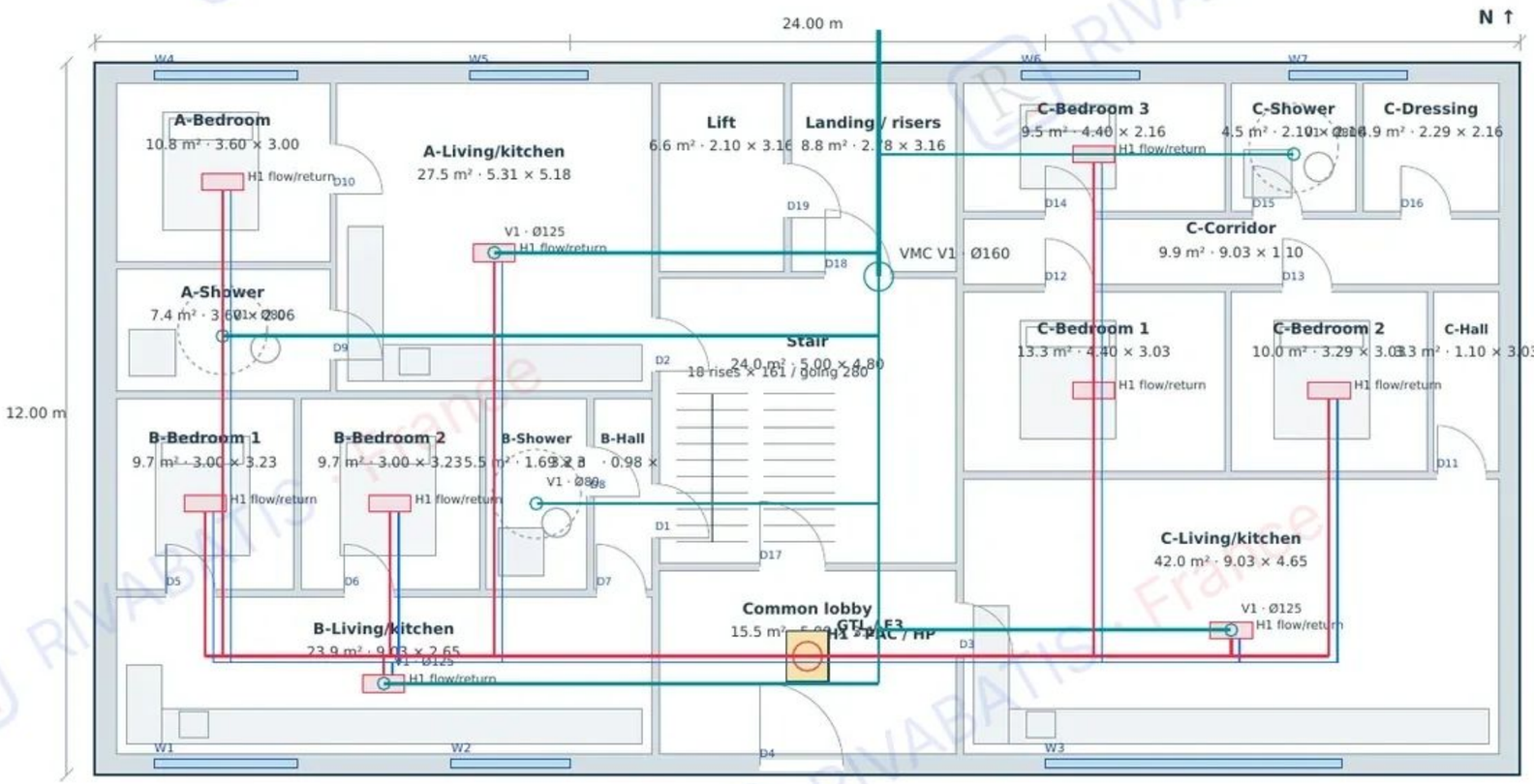
DESIGN REFERENCES

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HEATING / COOLING / VENTILATION

Apartment building · A864 · 2D design portfolio



RISERS: Ø100 waste/soil and ventilation in common shafts. Each dwelling has its own meter, manifolds and consumer unit. Wet services stack at levels 1 and 2.

Dimensions in metres · wall thicknesses shown · W / D opening references

0 2 m

SPECIFICATION / MATERIALS

E1	Legrand Dooxie / Céliane · earthed sockets
E2	Nexans H07V-U / U-1000 R2V
E3	Schneider Resi9 / Acti9 · protection
E4	30 mA RCD · types A/F · continuous PE
E5	Philips CoreLine LED · DCL / IP44 / IP65
L	Brown live · black return · 1.5/2.5/6 mm²
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H2	Thermor Aéromax · ECS / DHW
V1	Aldes EasyHOME Hygro / InspirAIR
S1	Porotherm GF R20 Th+ · 500×200×299
S2	Ytong Compact 20 · 625×200×250
S3	Fabemi B40 / Alkern BC20 · 500×200×200
I1	Isover GR32 / Knauf · Placo BA13
W1	K-Line KL-BC / Technal SOLEAL
W2	DV 4/16 Ar/4 FE · warm-edge · Ug 1.1
F1	Marazzi / Porcelanosa / Atlas Concorde
F2	Webercol flex comfort C2S1 · Weberjoint
F3	Tollens Idrotop / Seigneurie Evolutex
R1	Terreal / Edilians · ou SOPREMA toiture

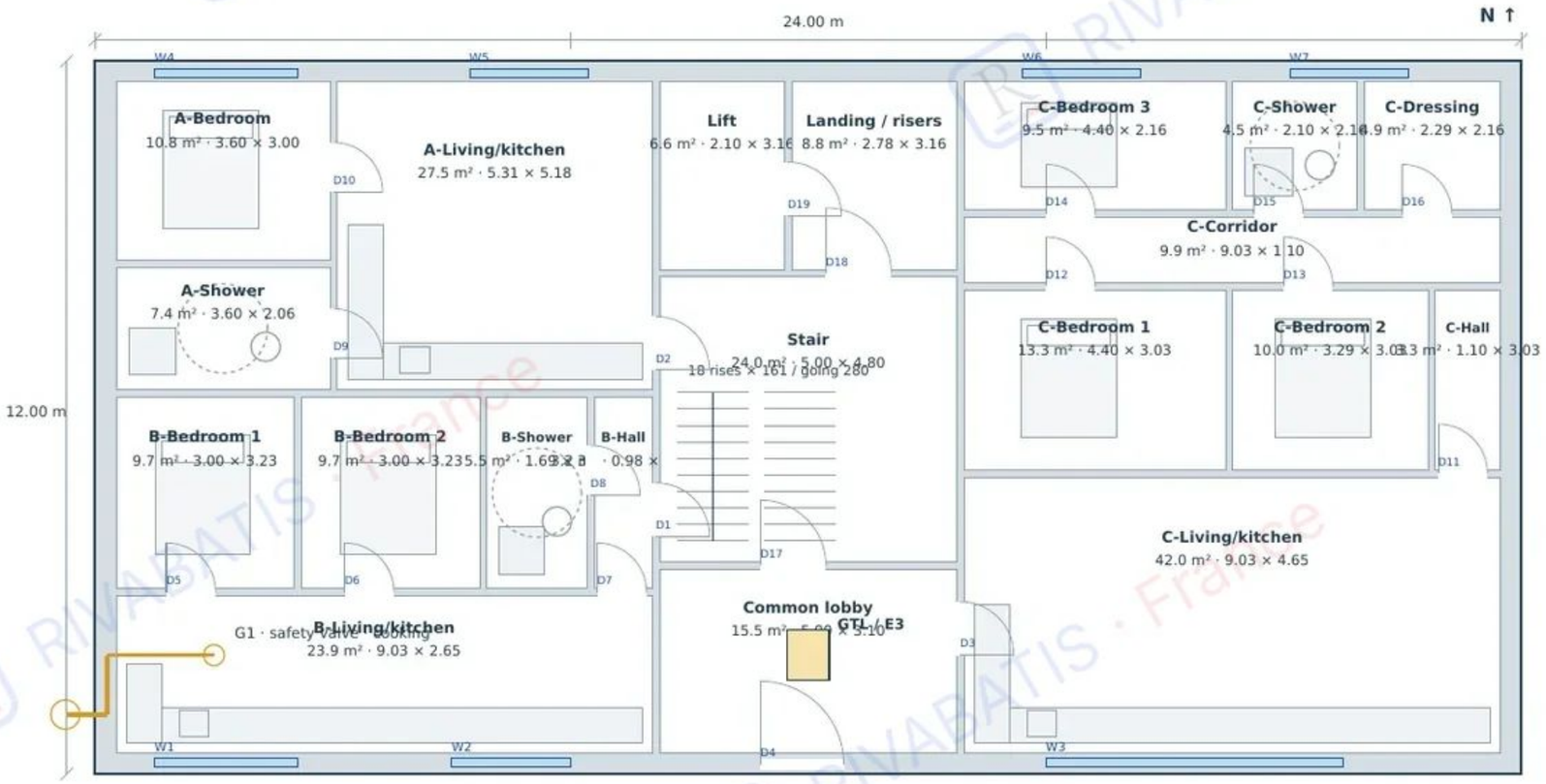
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OPTIONAL GAS · COOKING

Apartment building · A864 · 2D design portfolio



RISERS: Ø100 waste/soil and ventilation in common shafts. Each dwelling has its own meter, manifolds and consumer unit. Wet services stack at levels 1 and 2.

Primary solution: heat pump + electric cooking · NF DTU 61.1 gas option · EN 1057 copper

Dimensions in metres · wall thicknesses shown · W / D opening references

0 2 m

SPECIFICATION / MATERIALS

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V1	Aldes EasyHOME Hygro / InspirAIR
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S3	Fabemi B40 / Alkern BC20 · 500×200×200
I1	Isover GR32 / Knauf · Placo BA13
W1	K-Line KL-BC / Technal SOLEAL
W2	DV 4/16 Ar/4 FE · warm-edge · Ug 1.1
F1	Marazzi / Porcelanosa / Atlas Concorde
F2	Webercol flex comfort C2S1 · Weberjoint
F3	Tollens Idrotop / Seigneurie Evolutex
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TECHNOLOGY · QUALITY · CLIENT TIERS

Apartment building · A864 · 2D design portfolio

A SERVICE FOR EVERY PROJECT AND EVERY BUDGET

Accessible and Essential packages for working households and families; Premium for homeowners, businesses and investors; Prestige for exceptional villas and bespoke projects. The same coordination, transparency and quality principles support every tier.

BIM / Revit	Coordinated 2D plans, schedules, clash reviews, quantities and version control. PDF/IFC deliverables.
Laser / drone	Site survey, point cloud and orthophoto; setting out and earthworks progress comparison.
Préfabrication	Precast slabs, stairs and preassembled panels to streamline interfaces and programme.
RE2020	Regulatory Bbio/Cep/DH and carbon modelling; comparison of heat pumps, glazing and solar shading.
Smart home	Legrand Céliane with Netatmo; villa: SpaceLogic KNX scenes, submetering and local controls.
PAC / solaire	Atlantic / Daikin low-temperature systems and PV with Fronius inverter; energy monitoring.
Suivi numérique	Daily log, geotagged photos, QA inspections, client approvals and payment milestones in the portal.

HANDOVER VERIFICATION

Water pressure tests and flushing; drainage testing; PE continuity, insulation and RCD tests; ventilation balancing; heat-pump commissioning; as-built dossier and maintenance instructions.

SPECIFICATION / MATERIALS

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