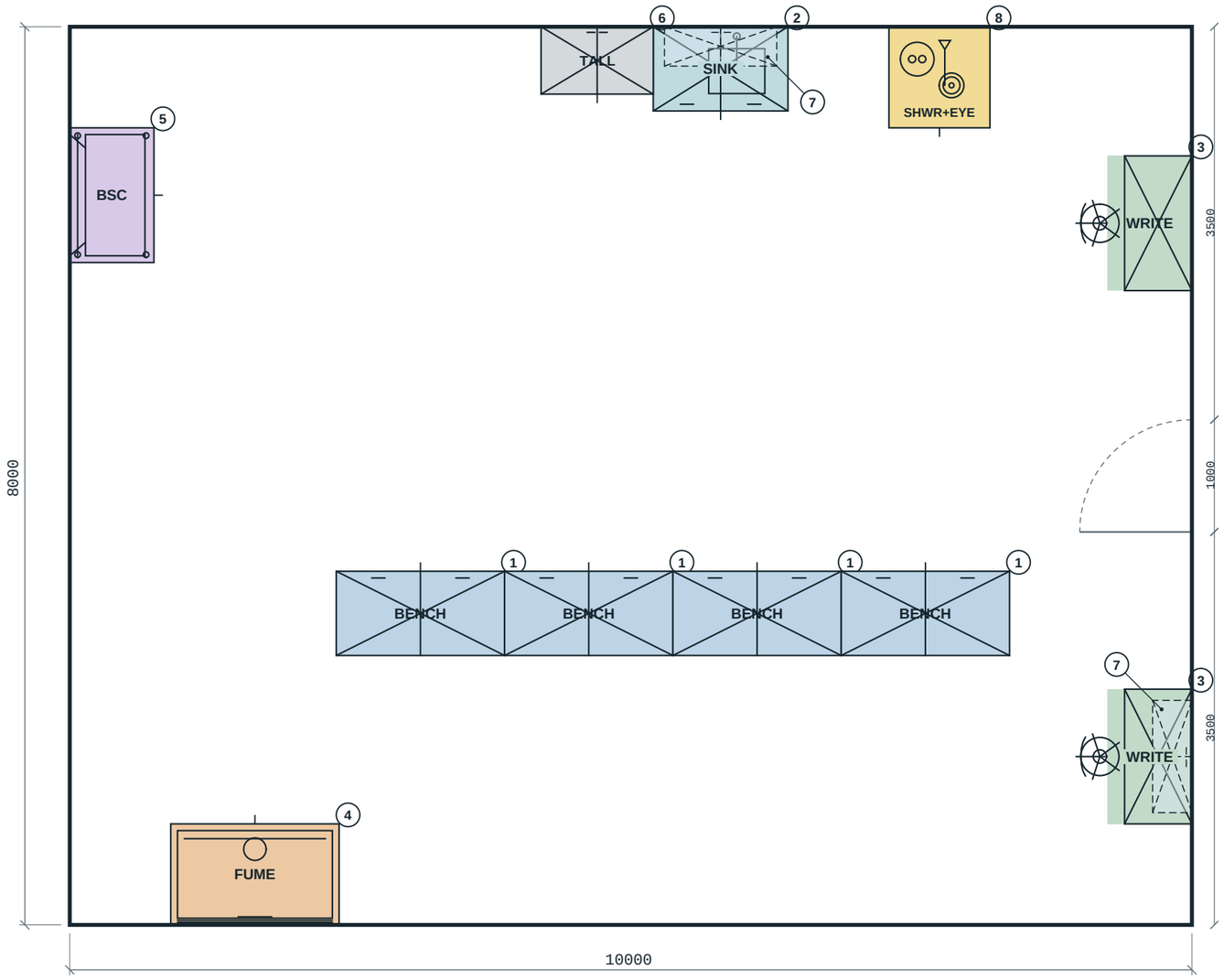


LEGEND

- Fume cupboard
- Shower + eyewash
- Sink cabinet
- Safety cabinet (MSC)
- Bench
- Write-up
- Tall cabinet
- Overhead cabinet

0 1 2 m

LabPlanner

Laboratory layout — sample (teaching lab)

Presentation plan — visualisation

Scale 1:50 (A3)

2026-11-08

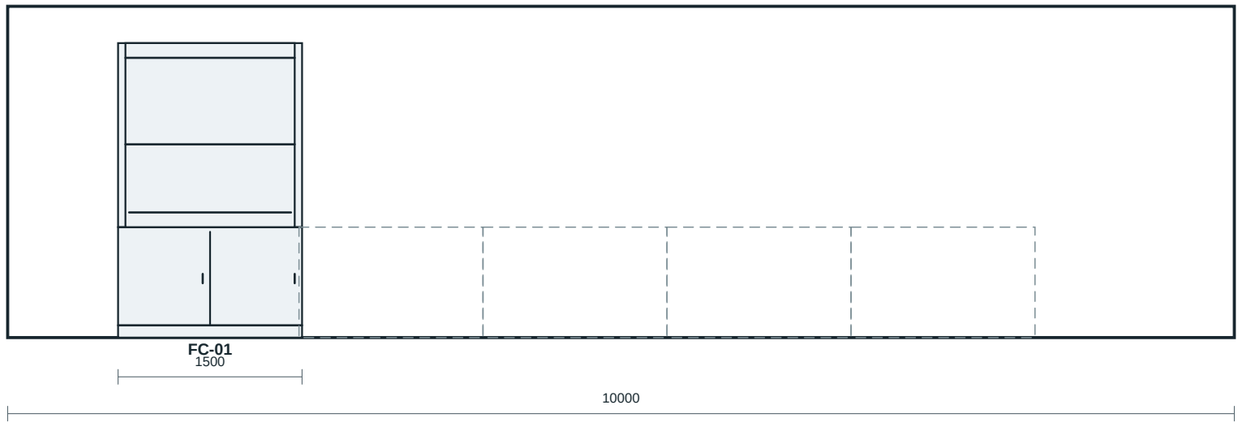
Passes the configured EN pre-checks — 15 of 18 rules had something to measure, ruleset v0.19.1

Design-intent only. A qualified professional must validate against local building, fire, and civil-defence codes before procurement or construction.

All dimensions in millimetres. Do not scale off this drawing for construction.

Elevation — W0 (Bottom)

Scale 1:50 — viewed from outside the room, looking in. Dimensions in mm.



LabPlanner

Laboratory layout — sample (teaching lab)

Wall elevation W0 (Bottom) — visualisation

Scale 1:50 (A3)

2026-11-08

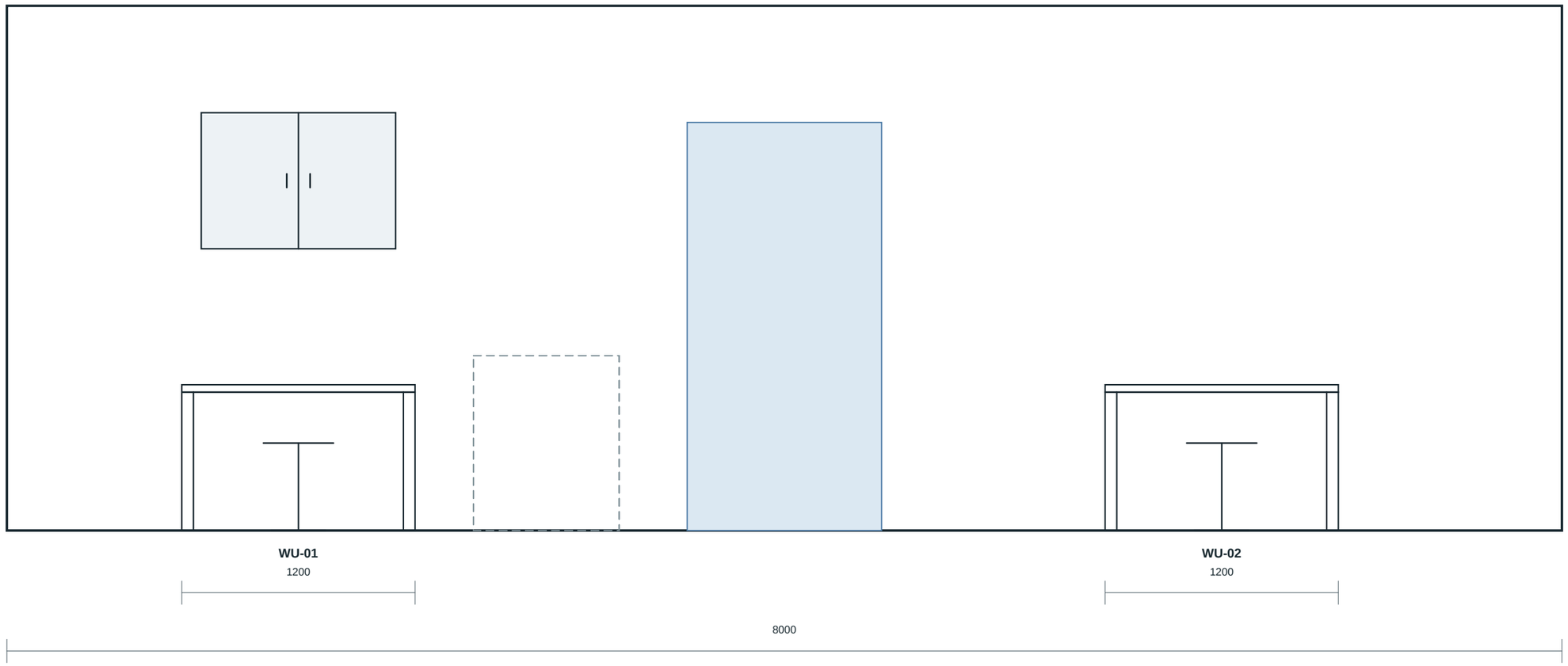
Passes the configured EN pre-checks — 15 of 18 rules had something to measure, ruleset v0.19.1

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All dimensions in millimetres. Do not scale off this drawing for construction.

Elevation — W1 (Right)

Scale 1:25 — viewed from outside the room, looking in. Dimensions in mm.



LabPlanner

Laboratory layout — sample (teaching lab)

Wall elevation W1 (Right) — visualisation

Scale 1:25 (A3)

2026-11-08

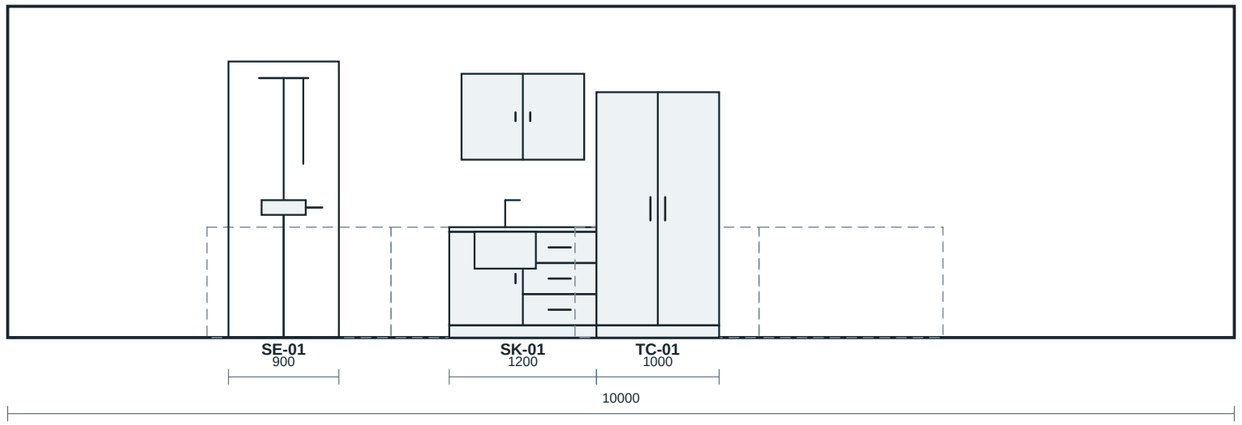
Passes the configured EN pre-checks — 15 of 18 rules had something to measure, ruleset v0.19.1

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All dimensions in millimetres. Do not scale off this drawing for construction.

Elevation — W2 (Top)

Scale 1:50 — viewed from outside the room, looking in. Dimensions in mm.



LabPlanner

Laboratory layout — sample (teaching lab)

Wall elevation W2 (Top) — visualisation

Scale 1:50 (A3)

2026-11-08

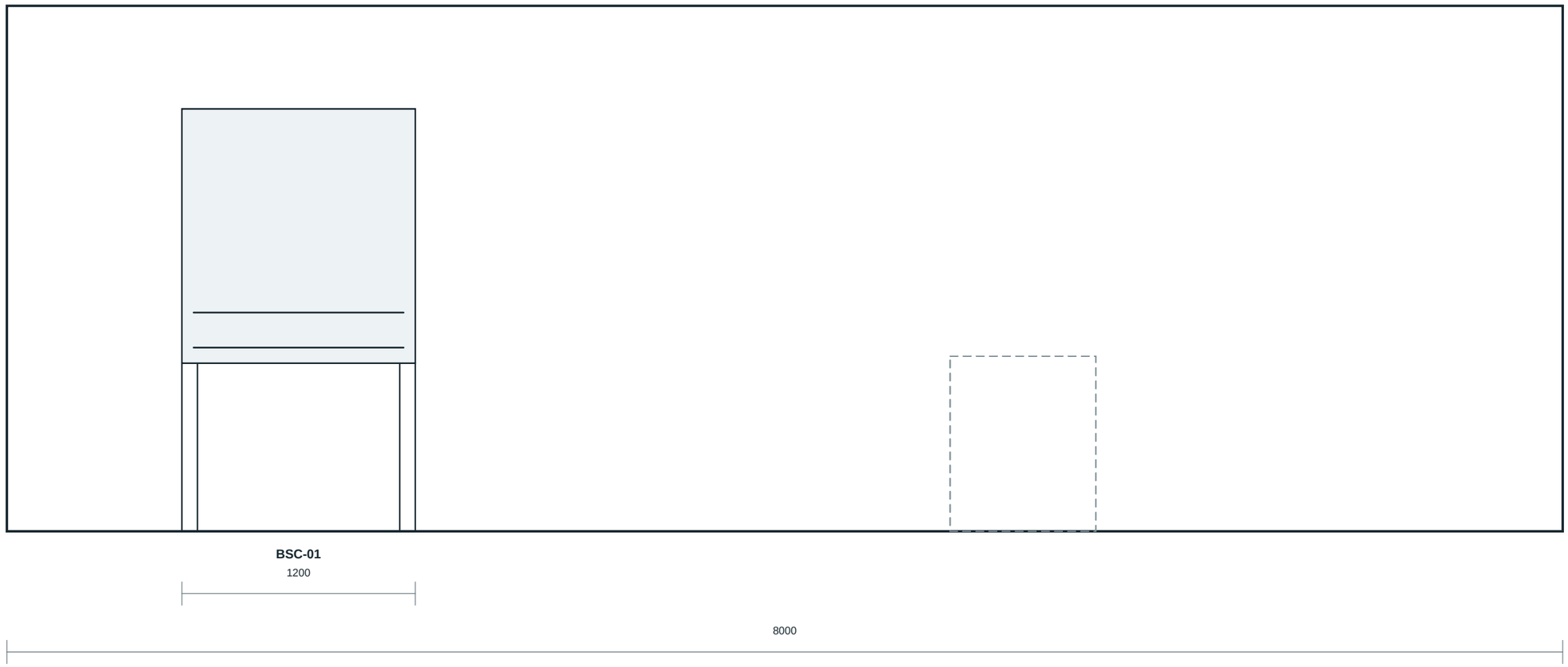
Passes the configured EN pre-checks — 15 of 18 rules had something to measure, ruleset v0.19.1

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All dimensions in millimetres. Do not scale off this drawing for construction.

Elevation — W3 (Left)

Scale 1:25 — viewed from outside the room, looking in. Dimensions in mm.



LabPlanner

Laboratory layout — sample (teaching lab)

Wall elevation W3 (Left) — visualisation

Scale 1:25 (A3)

2026-11-08

Passes the configured EN pre-checks — 15 of 18 rules had something to measure, ruleset v0.19.1

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All dimensions in millimetres. Do not scale off this drawing for construction.

Equipment schedule — Laboratory layout — sample (teaching lab)

2026-11-08 · Passes the configured EN pre-checks — 15 of 18 rules had something to measure, ruleset v0.19.1

Pos	Item code	Item	Type	Dimensions W×D (mm)	Height (mm)	Worktop	Qty	Marks	Wall	Service requirements	Governing-standard notes
1	BL-1500x750-H900-EP	Laboratory bench, linear	bench-linear	1500 × 750	900	Epoxy resin	4	BL-01 BL-02 BL-03 BL-04	—	—	EN 13150 / EN 14056 (worktops, installation)
2	SK-1200x750-H900-EP	Sink cabinet with tap	sink-cabinet	1200 × 750	900	Epoxy resin	1	SK-01	W2 (Top)	water, drainage	EN 13150 (workbenches); requires water + drainage
3	WU-1200x750-H750-EP	Write-up desk with stool	writeup-seating	1200 × 750	750	Epoxy resin	2	WU-01 WU-02	W1 (Right)	—	EN 13150 (workbench dimensions)
4	FC-1500x900-EP	Fume cupboard	fume-cupboard	1500 × 900	—	Epoxy resin	1	FC-01	W0 (Bottom)	extract	EN 14175 (fume cupboards)
5	BSC-1200x750-EP	Microbiological safety cabinet	microbio-safety-cabinet	1200 × 750	—	—	1	BSC-01	W3 (Left)	electric	EN 12469 (microbiological safety cabinets)
6	TC-1000x600-H2000-EP	Tall storage cabinet	tall-cabinet	1000 × 600	2000	—	1	TC-01	W2 (Top)	—	EN 14056 (laboratory furniture installation)
7	OC-1000x350-H700-EP	Wall-mounted overhead cabinet	overhead-cabinet	1000 × 350	700	—	2	OC-01 OC-02	W1 (Right), W2 (Top)	—	EN 14056 (laboratory furniture installation)
8	SE-900x900-EP	Combined emergency shower + eyewash	combo-shower-eyewash	900 × 900	—	—	1	SE-01	W2 (Top)	water, drainage	Reference: ANSI/ISEA Z358.1 / EN 15154; placement NOT pre-checked by this ruleset - verify reach and travel distance on site

Door schedule — Laboratory layout — sample (teaching lab)

Pos	Wall	Clear width (mm)	Height (mm)	Leaves	Style	Swing	Type
1	W1 (Right)	1000	2100	1	Flush	Inward	Standard

MEP coordination summary — Laboratory layout — sample (teaching lab)

Extract and exhaust volumes are indicative, per vendor class, and interpolated on unit width. They are not a design duty: the ventilation designer sets face velocity, simultaneity and duct sizing. Counts are taken off the layout, point by point. They are not a load calculation, a diver…

Item	Detail	Qty	Indicative volume (m3/h)
Extract — Fume cupboard	DN 250	1	600 (600 each)
Drainage — Combined emergency shower + eyewash	Waste connection required	1	—
Drainage — Sink cabinet with tap	Waste connection required	1	—

Compliance report — Laboratory layout — sample (teaching lab)

2026-11-08 · Passes the configured EN pre-checks — 15 of 18 rules had something to measure, ruleset v0.19.1

Rule	Id	Status	Checked at	Basis	Governing standard
Service wall	service-wall	Checked — no findings	200 mm	observed in professional drawings	EN 14056 (installation guidance) / manufacturer reference layouts
Fume cupboard operator zone	fume-front-clearance	Checked — no findings	1000 mm	placeholder — awaiting the standard's text	EN 14175 / EN 14056 (installation guidance)
Fume cupboard distance from doors	fume-door-distance	Checked — no findings	1500 mm	placeholder — awaiting the standard's text	EN 14175-2 (installation guidance) / laboratory planning practice
Fume cupboard module size	fume-dimensions	Checked — no findings	100 / 600–1200 mm	from the standard	EN 14175
Safety cabinet airflow	bsc-airflow	Checked — no findings	1500 / 1000 / 3000 mm	placeholder — awaiting the standard's text	EN 12469 (airflow guidance)
Aisle width	aisle-width	Checked — no findings	1200 / 1500 mm	placeholder — awaiting the standard's text	EN 14056
Door swing and approach	door-swing	Checked — no findings	100 / 900 mm	placeholder — awaiting the standard's text	EN 14056 (installation guidance)
Emergency door direction	emergency-door-swing	Not applicable — nothing in this layout to measure	—	—	Egress practice (EN 14056 guidance)
Room has a door	room-egress	Checked — no findings	—	—	Egress practice (EN 14056 guidance)
Safety storage ventilation	safety-storage-ventilation	Not applicable — nothing in this layout to measure	—	—	EN 14470-1 / EN 14470-2 (ventilation guidance)
Tall storage near exits	cabinet-egress	Checked — no findings	900 mm	placeholder — awaiting the standard's text	EN 14056 (egress guidance)
Write-up separation	writeup-separation	Checked — no findings	1500 mm	placeholder — awaiting the standard's text	Laboratory planning practice
Window obstruction	window-obstruction	Not applicable — nothing in this layout to measure	—	—	Typical laboratory glazing / planning practice
Working height	worktop-height	Checked — no findings	660–1180 mm	placeholder — awaiting the standard's text	EN 13150 / iHFG Part C (sit-stand envelope)
Second exit	second-exit	Checked — no findings	20 people	placeholder — awaiting the standard's text	Local building / civil-defence code (jurisdictional)
Occupancy density	occupancy-density	Checked — no findings	3 m² per person	placeholder — awaiting the standard's text	Laboratory planning practice
Overlapping equipment	overlap	Checked — no findings	—	—	Geometric feasibility
Inside the room	inside-room	Checked — no findings	—	—	Geometric feasibility

"Checked — no findings" means the rule ran against something in this layout and measured no breach. It is not a certification.
"Not applicable" means the rule was enabled but this layout contains nothing it measures — not that the layout satisfied it.
"Not run" means the rule was switched off for this project, so nothing about it was checked.
"Checked at" is the number a rule or finding was measured against in this project, in its own unit; a check that reads several numbers states each one, separated by " / " (a walking and a seated aisle; a fume cupboard's width module and depth range). An em dash means no number is stated: the rule was not run, had nothing to measure, or checks a fact rather than a distance; the finding was measured against a window's own sill, which the drawing states for that window; or the result was produced by an earlier rule set and must be re-checked.
"Basis" says where that number comes from: "placeholder — awaiting the standard's text" is an engineering placeholder still to be confirmed against the purchased standard; "observed in professional drawings" is calibrated against manufacturer layout drawings, not a standard clause; "from the standard" comes from public summaries of the standard; "set for this project" is a value this project moved, listed in the compliance statement.

Compliance statement

Passes the configured EN pre-checks — 15 of 18 rules had something to measure, ruleset v0.19.1
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HD shots — Laboratory layout — sample (teaching lab)



Design-intent only. A qualified professional must validate against local building, fire, and civil-defence codes before procurement or construction.

corner · studio · 1080p · 512 spp