



Portable Mobile Laboratory

Technical specification, controlled prices and approved GAs

USER-APPROVED GA V1

NON-CONTAINER SLOPED ROOF FAMILY

Six sizes: 10x10 | 20x8 | 20x10 | 20x12 | 30x10 | 40x10 ft

Lab-ready enclosure and scheduled fixed provisions. Final signed quotation and project engineering govern.

Workbook-controlled budgetary prices

Values are calculated from Price_Dashboard!B3 and the workbook area-band table. GST is shown separately and included in the final column.

BASE RATE AT 200 SQ.FT.: Rs 2,000 / SQ.FT.

GST: 18%

Approved size	Area	Rate / sq.ft.	Ex GST	Incl GST
10x10x8.5 ft	100	Rs 2,300	Rs 230,000	Rs 271,400
20x8x8.5 ft	160	Rs 2,200	Rs 352,000	Rs 415,360
20x10x8.5 ft	200	Rs 2,000	Rs 400,000	Rs 472,000
20x12x8.5 ft	240	Rs 1,920	Rs 460,800	Rs 543,744
30x10x8.5 ft	300	Rs 1,920	Rs 576,000	Rs 679,680
40x10x8.5 ft	400	Rs 1,900	Rs 760,000	Rs 896,800

Commercial boundary

Budgetary prices cover the lab-ready portable enclosure and scheduled fixed provisions shown in the approved GA. Instruments, unscheduled benches, fume hoods, gas systems, RO/DI water, validation, accreditation and waste treatment are excluded unless a signed quotation adds them.

Balanced non-container laboratory enclosure

A portable-office material baseline with product-specific hygienic surfaces, fixed benches and a controlled sink interface.

Primary frame reference	Bottom frame 100 x 50 x 3 mm MS C-channel; top frame 50 x 50 x 1.6 mm MS square pipe; reinforced openings and approved secondary members. Final member adequacy remains project-engineered.
Weather envelope	1.2 mm specially corrugated MS exterior wall sheet and 1.4 mm corrugated MS roof-sheet baseline. Compatible sealed fasteners, closures, coating repair and weather seals govern final closure.
Interior cleanliness	Washable hygienic lining, controlled joints and a coved 1.3 mm vinyl finish over the approved floor substrate. Material confirmation remains part of the signed quotation and sample approval.
Insulation baseline	Wall insulation: 25 mm glass wool or 12 mm Heatlon. Roof insulation: 50 mm glass wool, nominal 42 kg/m3. Final option must be identified in the quotation.
Openings	Powder-coated two-track aluminium windows with 4 mm glass baseline. External doors remain on approved long walls only; every 8-, 10- or 12-ft end wall has one centred window and no external door.
Handling identity	Exactly four compact lifting eye plates are retained, one at each top corner. Lifting connection details and capacity are not claimed in this brochure and require approved project engineering.

Lab-ready, not instrument-inclusive

The approved layouts preserve a clear working aisle, fixed wall benches where scheduled, and one sink interface per cabin.

ELECTRICAL

Electrical starting values

- 1.5 sq.mm copper for lighting
- 2.5 sq.mm copper for sockets
- 4 sq.mm copper for higher-load / AC circuits
- Final load schedule, derating, voltage drop, fault level and licensed work govern

WATER

Water and drainage

- One sink is located at the approved Wall B coordinate
- Site water and drainage connection are project-coordinated
- No RO/DI system or waste treatment is included unless quoted
- No field penetration may be added without a frozen services register

FUTURE

Future exhaust and process utilities

- Fume hoods, gases and process exhaust are not shown as included systems
- Any future sleeve, fan or cowl requires a services freeze before fabrication
- Equipment loads and heat rejection require buyer data
- Validation and accreditation remain customer/project responsibilities

FACTORY

Factory and handover checks

- Opening position, operation, flashing and perimeter seal
- Coved floor junction, washable liner and bench finish
- Electrical continuity, insulation resistance, polarity, earthing and RCCB trip
- Recorded visual QA, agreed exclusions and service-interface handover

Frame and envelope workflow

Illustrative buyer guidance - approved shop drawings and project engineering govern



Portable Mobile Laboratory | Frame and Envelope Workflow

Buyer-facing construction sequence - illustrative, not a fabrication drawing

1 Prepare and align



- Cut, deburr, square and clamp the approved frame members.
- Verify diagonals, support line, openings and four corner lifting-eye locations.
- Freeze the GA and service register before any penetration is released.

2 Tack, verify and weld



- Use opposed tacks to control pull; recheck square before completing welds.
- Clean joints and record visual fabrication checks.
- Final member selection and connections remain project-engineered.

3 Protect and close



- Repair protective coating, align corrugated weather skin and controlled roof fall.
- Use compatible sealed fasteners, closures and weather seals.
- Install washable liner, cleanable junctions and coved vinyl floor finish.

Engineering boundary Approved shop drawings, qualified procedures, project engineering and recorded QA govern production and lifting.

Openings and service coordination

One sink interface per size; site utilities and future penetrations require project coordination



Portable Mobile Laboratory | Openings and Service Coordination

Window sealing, protected electrical distribution and the single sink interface

1 Set and seal openings



- Use the approved GA coordinates; reinforce, level, plumb and square each opening.
- Anchor, flash and seal the full perimeter; verify operation before lining closes.
- Every 8-, 10- or 12-ft end wall keeps one centred window and no external door.

2 Protect electrical circuits



- Provide isolation, RCCB/MCB protection, earthing and circuit segregation as scheduled.
- Typical starting conductors: 1.5 sq.mm lighting, 2.5 sq.mm sockets, 4 sq.mm higher load.
- Final load schedule, derating, voltage drop and licensed work govern.

3 Coordinate sink and utilities



- One approved sink interface is shown per size; site water and drainage are coordinated separately.
- Freeze future exhaust or utility sleeves before fabrication; none may be field-guessed.
- Pressure/leak, polarity, continuity, insulation, earthing and RCCB-trip checks are project-specific.

Scope boundary Fume hoods, gases, RO/DI, process exhaust, validation, accreditation and waste treatment are excluded unless quoted.

Approved GA V1 | Portable Mobile Laboratory 10x10

Buyer-facing GA for controlled image and technical-PDF production - not a fabrication drawing

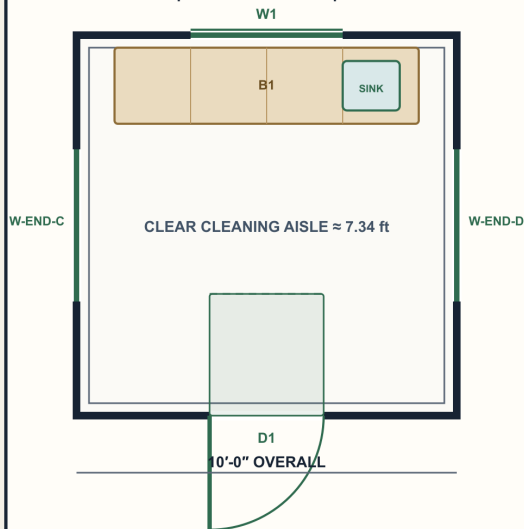
SAMAN PORTABLE MOBILE LABORATORY | 10 × 10 × 8.5 FT

OPEN LAB • HYGIENIC LINER • COVED FLOOR • SCHEDULED FIXED PROVISIONS

USER-APPROVED GA V1

CONTROLLED IMAGE / PDF PRODUCTION - NOT FOR FABRICATION

FLOOR PLAN | 10' × 10' × 8'-6" | 100 mm WALLS



CANDIDATE CONFIGURATION

Open lab room • 1 external long-wall door(s) • 3 windows • no partitions

Roof: TWO-WAY • 5-6 in marginal drainage rise/fall • exactly four compact top-corner lifting eyes

Scheduled: 1 fixed bench run(s), 1 sink/service interface, 2 upper storage modules

FIXED BENCH SCHEDULE

B1: Wall B, x=1-9 ft (8 ft) — sample intake + workbench

OPENING SCHEDULE

D1: Wall A x=3.5-6.5 ft, door

W1: Wall B x=3-7 ft, window

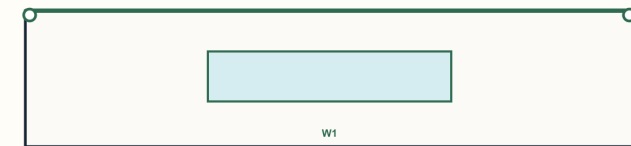
End C: centered 4×3 ft window

End D: centered 4×3 ft window

FRONT LONG WALL — WALL A



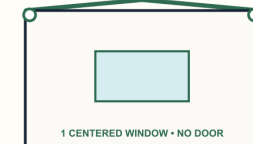
REAR LONG WALL — WALL B



LEFT END — C



RIGHT END — D



SCOPE / CONTROL NOTES

- Instruments and loose equipment are customer-supplied/excluded.
- Fume hood, gases, RO/DI water, validation, accreditation and waste treatment excluded.
- Sink denotes scheduled water/waste interface; final site connection requires project coordination.
- End walls remain furniture-free and each has one centered window only.
- Future exhaust/utility penetrations require a project-specific services freeze; none invented here.
- Buyer-facing GA only; structural/fabrication/service engineering remains project-controlled.

Approved GA V1 | Portable Mobile Laboratory 20x8

Buyer-facing GA for controlled image and technical-PDF production - not a fabrication drawing

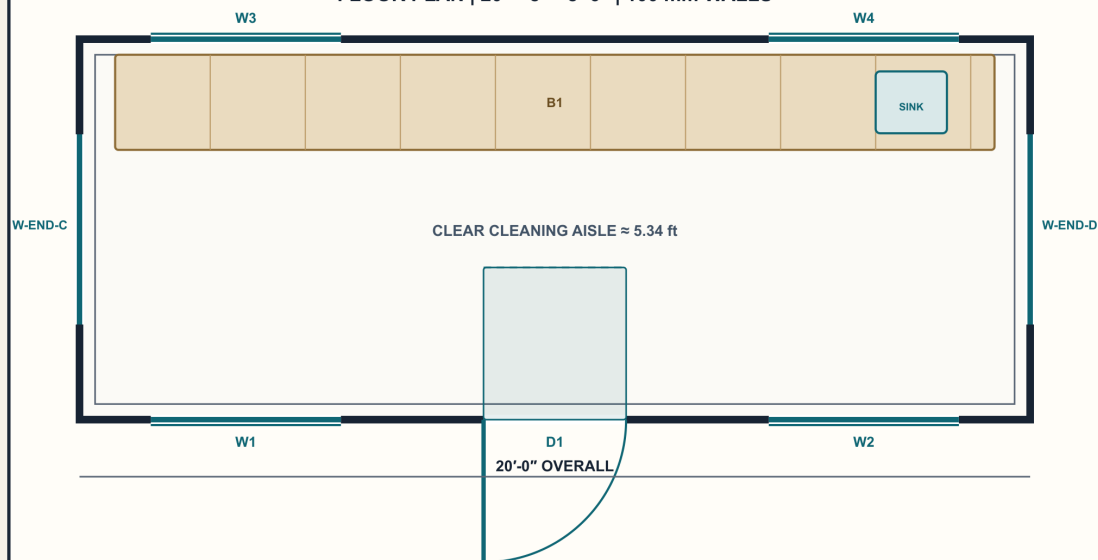
SAMAN PORTABLE MOBILE LABORATORY | 20 × 8 × 8.5 FT

OPEN LAB • HYGIENIC LINER • COVED FLOOR • SCHEDULED FIXED PROVISIONS

USER-APPROVED GA V1

CONTROLLED IMAGE / PDF PRODUCTION - NOT FOR FABRICATION

FLOOR PLAN | 20' × 8' × 8'-6" | 100 mm WALLS



CANDIDATE CONFIGURATION

Open lab room • 1 external long-wall door(s) • 6 windows • no partitions

Roof: ONE-WAY • 5–6 in marginal drainage rise/fall • exactly four compact top-corner lifting eyes

Scheduled: 1 fixed bench run(s), 1 sink/service interface, 3 upper storage modules

FIXED BENCH SCHEDULE

B1: Wall B, x=0.75–19.25 ft (18.5 ft) — continuous sample/work bench

OPENING SCHEDULE

W1: Wall A x=1.5–5.5 ft, window

D1: Wall A x=8.5–11.5 ft, door

W2: Wall A x=14.5–18.5 ft, window

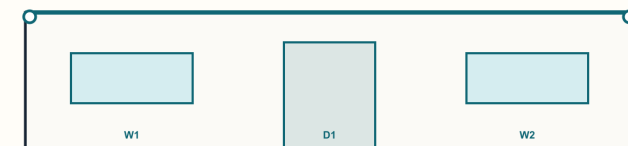
W3: Wall B x=1.5–5.5 ft, window

W4: Wall B x=14.5–18.5 ft, window

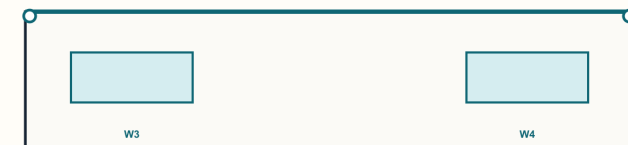
End C: centered 4×3 ft window

End D: centered 4×3 ft window

FRONT LONG WALL — WALL A



REAR LONG WALL — WALL B



LEFT END — C



RIGHT END — D



SCOPE / CONTROL NOTES

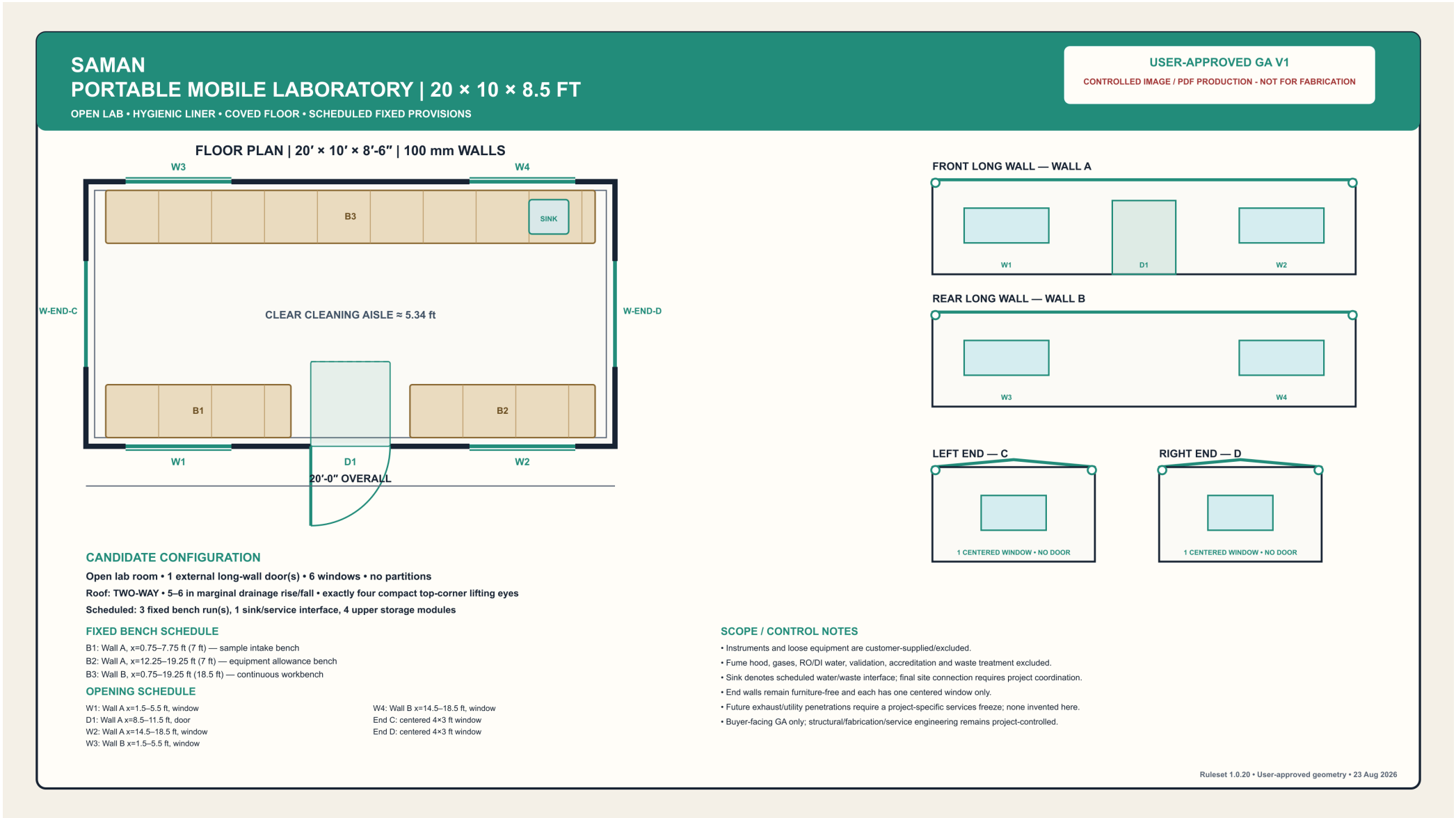
- Instruments and loose equipment are customer-supplied/excluded.
- Fume hood, gases, RO/DI water, validation, accreditation and waste treatment excluded.
- Sink denotes scheduled water/waste interface; final site connection requires project coordination.
- End walls remain furniture-free and each has one centered window only.
- Future exhaust/utility penetrations require a project-specific services freeze; none invented here.
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CANDIDATE DRAINAGE DIRECTION: Wall A high eave → Wall B low eave.

Ruleset 1.0.20 • User-approved geometry • 23 Aug 2026

Approved GA V1 | Portable Mobile Laboratory 20x10

Buyer-facing GA for controlled image and technical-PDF production - not a fabrication drawing



Approved GA V1 | Portable Mobile Laboratory 20x12

Buyer-facing GA for controlled image and technical-PDF production - not a fabrication drawing

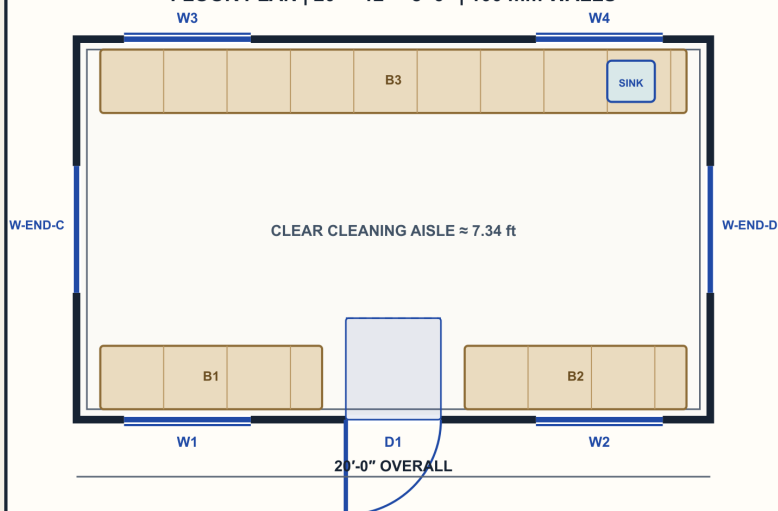
SAMAN PORTABLE MOBILE LABORATORY | 20' x 12' x 8.5' FT

OPEN LAB • HYGIENIC LINER • COVED FLOOR • SCHEDULED FIXED PROVISIONS

USER-APPROVED GA V1

CONTROLLED IMAGE / PDF PRODUCTION - NOT FOR FABRICATION

FLOOR PLAN | 20' x 12' x 8'-6" | 100 mm WALLS



CANDIDATE CONFIGURATION

Open lab room • 1 external long-wall door(s) • 6 windows • no partitions

Roof: TWO-WAY • 5–6 in marginal drainage rise/fall • exactly four compact top-corner lifting eyes

Scheduled: 3 fixed bench run(s), 1 sink/service interface, 4 upper storage modules

FIXED BENCH SCHEDULE

B1: Wall A, x=0.75–7.75 ft (7 ft) — sample intake bench

B2: Wall A, x=12.25–19.25 ft (7 ft) — equipment allowance bench

B3: Wall B, x=0.75–19.25 ft (18.5 ft) — continuous workbench

OPENING SCHEDULE

W1: Wall A x=1.5–5.5 ft, window

D1: Wall A x=8.5–11.5 ft, door

W2: Wall A x=14.5–18.5 ft, window

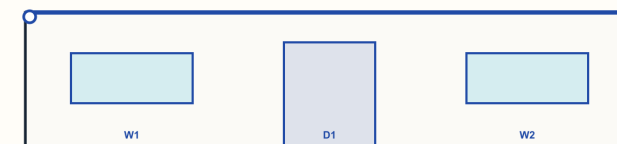
W3: Wall B x=1.5–5.5 ft, window

W4: Wall B x=14.5–18.5 ft, window

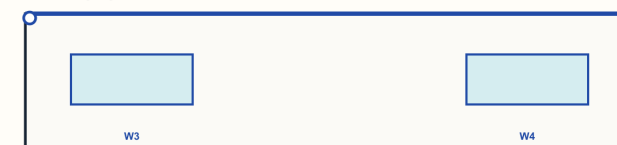
End C: centered 4x3 ft window

End D: centered 4x3 ft window

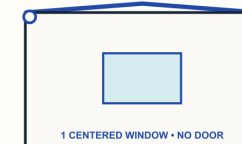
FRONT LONG WALL — WALL A



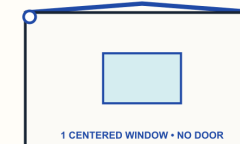
REAR LONG WALL — WALL B



LEFT END — C



RIGHT END — D



SCOPE / CONTROL NOTES

- Instruments and loose equipment are customer-supplied/excluded.
- Fume hood, gases, RO/DI water, validation, accreditation and waste treatment excluded.
- Sink denotes scheduled water/waste interface; final site connection requires project coordination.
- End walls remain furniture-free and each has one centered window only.
- Future exhaust/utility penetrations require a project-specific services freeze; none invented here.
- Buyer-facing GA only; structural/fabrication/service engineering remains project-controlled.

Approved GA V1 | Portable Mobile Laboratory 30x10

Buyer-facing GA for controlled image and technical-PDF production - not a fabrication drawing

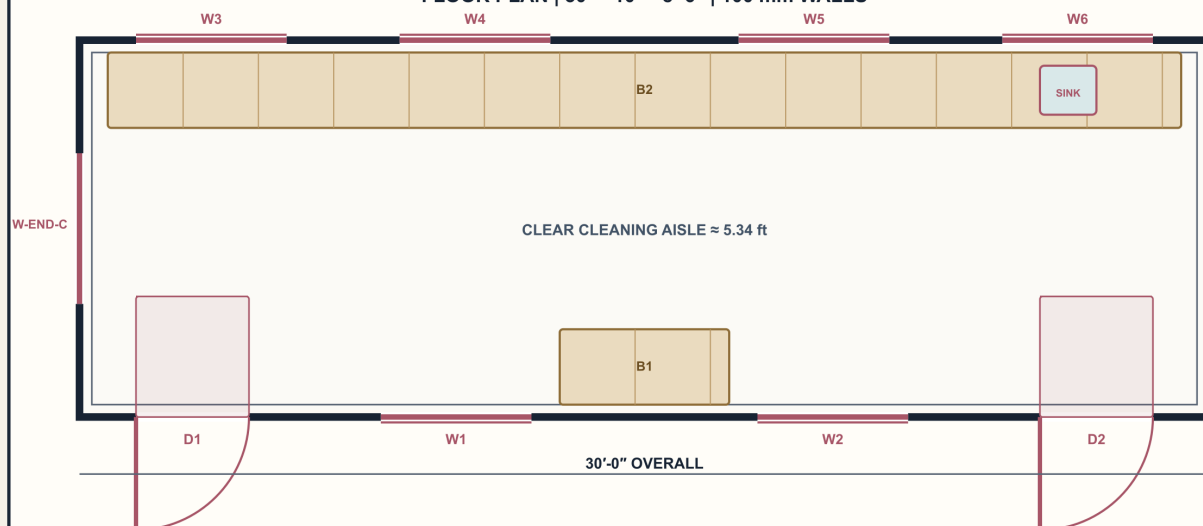
SAMAN PORTABLE MOBILE LABORATORY | 30 × 10 × 8.5 FT

OPEN LAB • HYGIENIC LINER • COVED FLOOR • SCHEDULED FIXED PROVISIONS

USER-APPROVED GA V1

CONTROLLED IMAGE / PDF PRODUCTION - NOT FOR FABRICATION

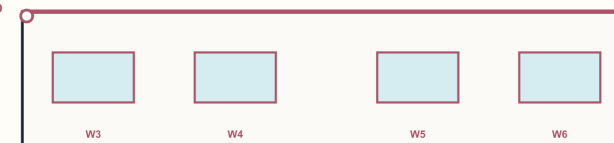
FLOOR PLAN | 30' × 10' × 8'-6" | 100 mm WALLS



FRONT LONG WALL — WALL A



REAR LONG WALL — WALL B



LEFT END — C



RIGHT END — D



CANDIDATE CONFIGURATION

Open lab room • 2 external long-wall door(s) • 8 windows • no partitions

Roof: TWO-WAY • 5–6 in marginal drainage rise/fall • exactly four compact top-corner lifting eyes

Scheduled: 2 fixed bench run(s), 1 sink/service interface, 4 upper storage modules

FIXED BENCH SCHEDULE

B1: Wall A x=12.75–17.25 ft (4.5 ft) — sample intake bench

B2: Wall B x=0.75–29.25 ft (28.5 ft) — continuous workbench

OPENING SCHEDULE

D1: Wall A x=1.5–4.5 ft, door

W1: Wall A x=8–12 ft, window

W2: Wall A x=18–22 ft, window

D2: Wall A x=25.5–28.5 ft, door

W3: Wall B x=1.5–5.5 ft, window

W4: Wall B x=8.5–12.5 ft, window

W5: Wall B x=17.5–21.5 ft, window

W6: Wall B x=24.5–28.5 ft, window

End C: centered 4×3 ft window

End D: centered 4×3 ft window

SCOPE / CONTROL NOTES

- Instruments and loose equipment are customer-supplied/excluded.
- Fume hood, gases, RO/DI water, validation, accreditation and waste treatment excluded.
- Sink denotes scheduled water/waste interface; final site connection requires project coordination.
- End walls remain furniture-free and each has one centered window only.
- Future exhaust/utility penetrations require a project-specific services freeze; none invented here.
- Buyer-facing GA only; structural/fabrication/service engineering remains project-controlled.

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Approved GA V1 | Portable Mobile Laboratory 40x10

Buyer-facing GA for controlled image and technical-PDF production - not a fabrication drawing

SAMAN PORTABLE MOBILE LABORATORY | 40 × 10 × 8.5 FT

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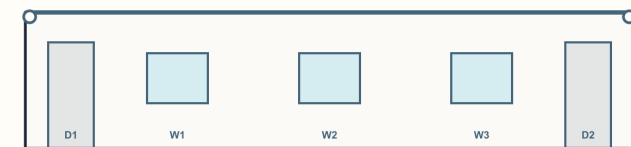
USER-APPROVED GA V1

CONTROLLED IMAGE / PDF PRODUCTION - NOT FOR FABRICATION

FLOOR PLAN | 40' × 10' × 8'-6" | 100 mm WALLS



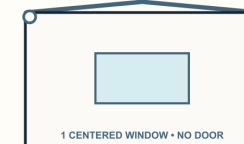
FRONT LONG WALL — WALL A



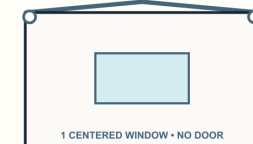
REAR LONG WALL — WALL B



LEFT END — C



RIGHT END — D



CANDIDATE CONFIGURATION

Open lab room • 2 external long-wall door(s) • 9 windows • no partitions

Roof: TWO-WAY • 5-6 in marginal drainage rise/fall • exactly four compact top-corner lifting eyes

Scheduled: 2 fixed bench run(s), 1 sink/service interface, 5 upper storage modules

FIXED BENCH SCHEDULE

B1: Wall A x=5.5-34.5 ft (29 ft) — sample intake + equipment allowance bench

B2: Wall B, x=0.75-39.25 ft (38.5 ft) — continuous workbench

OPENING SCHEDULE

D1: Wall A x=1.5-4.5 ft, door

W1: Wall A x=8-12 ft, window

W2: Wall A x=18-22 ft, window

W3: Wall A x=28-32 ft, window

D2: Wall A x=35.5-38.5 ft, door

W4: Wall B x=3-7 ft, window

W5: Wall B x=13-17 ft, window

W6: Wall B x=23-27 ft, window

W7: Wall B x=33-37 ft, window

End C: centered 4×3 ft window

End D: centered 4×3 ft window

SCOPE / CONTROL NOTES

- Instruments and loose equipment are customer-supplied/excluded.
- Fume hood, gases, RO/DI water, validation, accreditation and waste treatment excluded.
- Sink denotes scheduled water/waste interface; final site connection requires project coordination.
- End walls remain furniture-free and each has one centered window only.
- Future exhaust/utility penetrations require a project-specific services freeze; none invented here.
- Buyer-facing GA only; structural/fabrication/service engineering remains project-controlled.

Ruleset 1.0.20 • User-approved geometry • 23 Aug 2026

What this document controls

Buyer-readable product identity, current six-size price parity, approved GA presentation and the standard scope boundary.

1

Approved geometry

The six GA boards are USER-APPROVED GA V1 and control this image/PDF campaign. They are not fabrication shop drawings.

2

Roof family

20x8 uses a one-way 5-6 inch drainage fall across the 8-ft width. All 10- and 12-ft widths use one centred full-length ridge, only 5-6 inches above each long-wall eave.

3

Fixed provisions

Only the benches and single sink scheduled in each approved GA are represented as fixed provisions. Final materials and interfaces follow the signed quotation.

4

Loose equipment

Any generic bottles, trays or benchtop devices in marketing images are visual context only and are not included supply unless specifically quoted.

5

Engineering

Final structural selection, supports, lifting, wind/seismic actions, equipment loads, electrical design, utility penetrations and code compliance require project-specific approved engineering.

6

Handover

The signed quotation, approved shop drawings, service register, project QA records and agreed installation responsibilities take precedence over this brochure.

Portable Mobile Laboratory | SAMAN Portable

Use this document with the current signed quotation and approved project drawings.