TECHNICAL SPECIFICATION | MATERIALS | SIZES | BUDGETARY PRICES

Accommodation Container

Comprehensive product specification for procurement, design coordination and quotation review.

REFERENCE CONFIGURATION	20x10 ft
INDICATIVE RATE	INR 1,200 to 1,500 / sq.ft. shell
PUBLISHED SIZE OPTIONS	6 workbook-controlled configurations
SPECIFICATION PROFILE	17 product-specific + 13 platform-common lines
TECHNICAL REVIEWER	SAMAN POS India Private Limited, 16 August 2026
SEO / EDITORIAL REVIEWER	SAMAN POS India Private Limited, 16 August 2026
DOCUMENT STATUS	Released for publication

Product overview

Transportable enclosed sleeping module for project workforces, with the 20x10 wide-body fabricated cabin used as the pricing reference. The technical page distinguishes new fabricated units from converted ISO shells, controls bunk/aisle density, and keeps wet-service variants separate so a simple sleeper is not presented as a fully self-contained accommodation block.

Indicative rate bands approved by SAMAN, 16 August 2026. Per-size rates issue separately.

Important: This PDF is generated from the controlled technical workbook and review corrections. It does not replace the approved project drawing, structural design, bill of materials, performance certificate or final commercial quotation.

Specification Overview

Transportable enclosed sleeping module for project workforces, with the 20x10 wide-body fabricated cabin used as the pricing reference. The technical page distinguishes new fabricated units from converted ISO shells, controls bunk/aisle density, and keeps wet-service variants separate so a simple sleeper is not presented as a fully self-contained accommodation block.

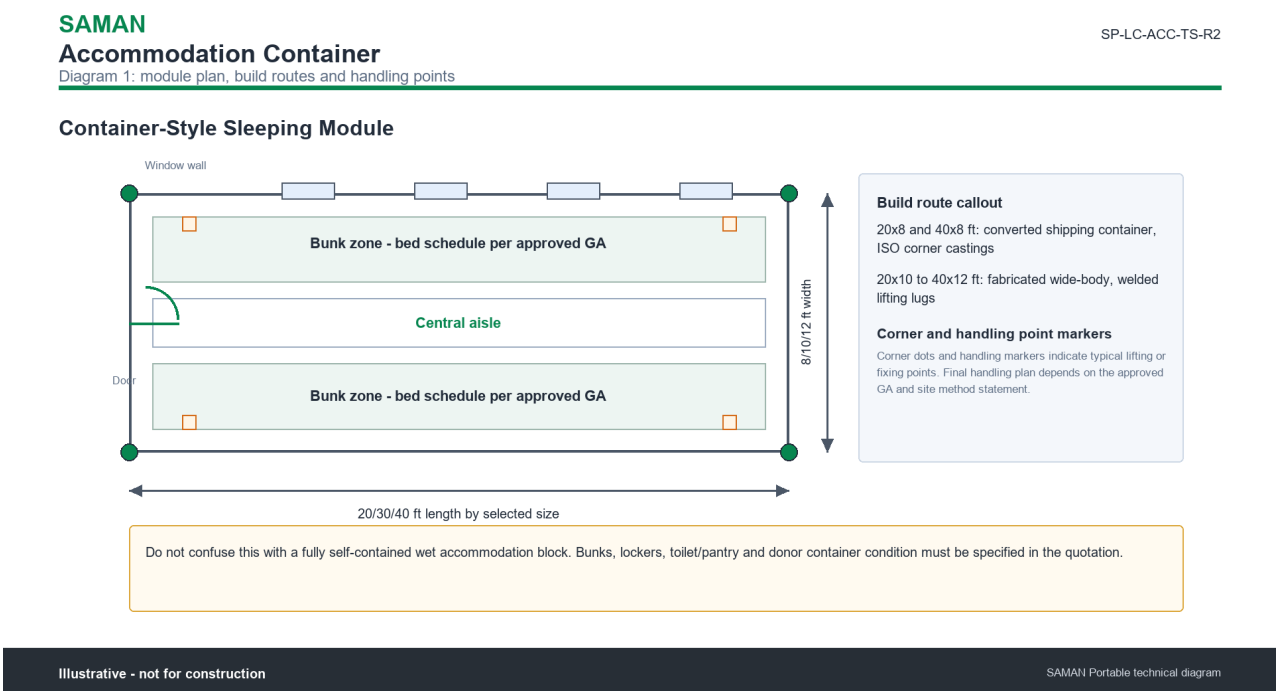
BOTTOM FRAME	IS 2062 or approved equivalent MS channel/RHS/formed sections; exact member sizes and support reactions from the signed structural drawing.
EXTERIOR WALLS	Fabricated reference: nominal 50 mm PUF/PPGI sandwich panels; converted shell option: steel outer skin plus insulated inner liner such as PUF/EPS/mineral/glass wool as specified.
ROOF	Nominal 50 mm class insulated PPGI roof for fabricated unit or retained cargo roof plus documented insulation/liner system for conversion.
FLOOR BASE	Fabricated reference: nominal 18 mm cement/cement-fibre board on steel grid; converted variant may use repaired 19 mm marine-ply class cargo deck with sealed edges.
WALL INSULATION	Nominal 50 mm PUF reference for fabricated wide-body unit; alternative glass/mineral-wool or EPS conversion build-up only when specified.
ROOF INSULATION	Nominal 50 mm insulated roof or conversion-specific liner/insulation system with condensation control.
MAIN DOOR / SERVICE DOOR	Nominal 900 mm class MS/insulated door; secondary exit/service door when occupancy and layout require it.
LAYOUT / CONFIGURATION	20x10 reference plans approximately 6-8 persons using 3-4 bunks with a central aisle and locker/storage zone; other sizes use an approved bed schedule.

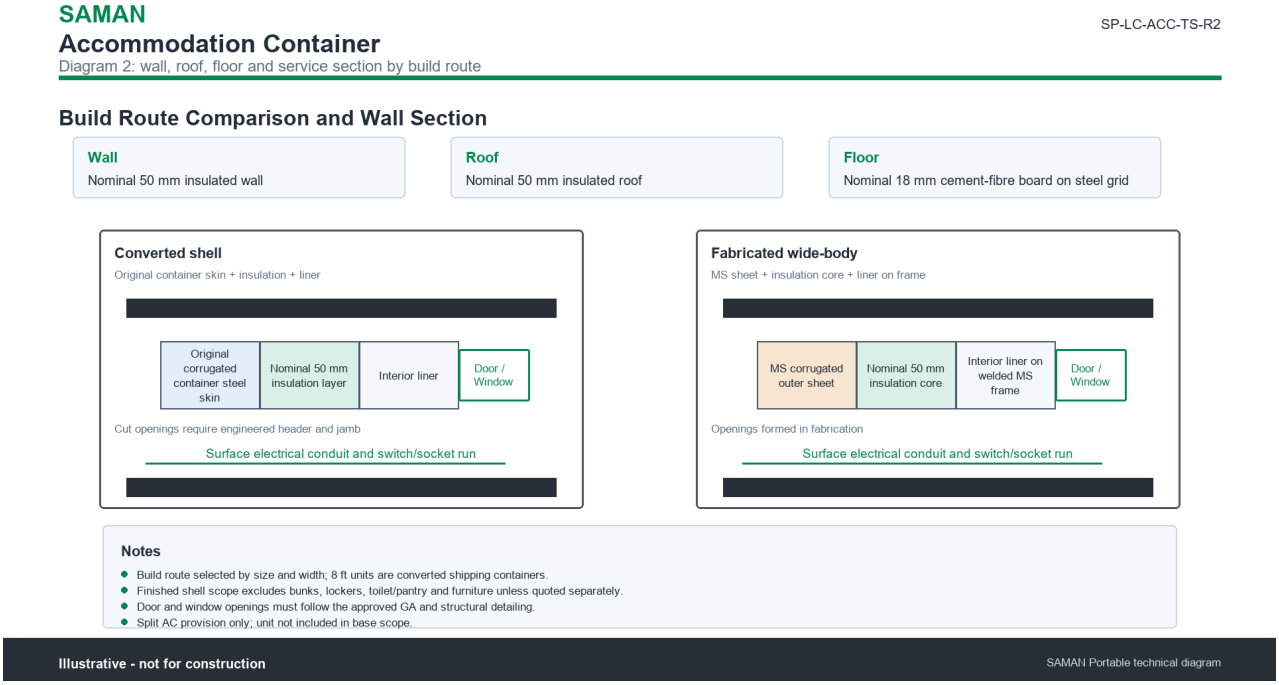
Selection and scope control

- Use the reference specification to compare quotations line by line, not only by total price.
- Freeze product-specific options in the approved drawing, bill of materials and quotation before manufacture.
- Verify project-controlled performance claims against the exact selected assembly, certificates and test evidence.
- Treat published prices as workbook-controlled budget estimates; final scope, taxes, transport and site conditions govern the order value.

Technical Diagrams

The following 16:9 diagrams are supplied as separate PNG files and embedded here for buyer explanation.





Technical Specification: Steel Structure

Component / scope	Baseline specification	Detailed design and coordination notes
Bottom frame Platform Common	IS 2062 or approved equivalent MS channel/RHS/formed sections; exact member sizes and support reactions from the signed structural drawing.	The base system transfers occupied, service, transport and local equipment loads to defined pads, plinths, slab or skid contact points. Anchor position, corrosion access and allowable bearing are frozen before fabrication; no nominal member is treated as universal across hutments, sheds, wet blocks and camp modules.
Bottom stiffeners Platform Common	RHS/channel/angle stiffeners selected to the approved floor grid, partitions, bunks, wet services and lifting/relocation duty.	Stiffener spacing is coordinated with board edges, bunk posts, cubicle partitions, concentrated equipment and openings. Site cutting, member substitution and service penetrations require approval so the intended load path and corrosion protection are not lost.
Floor frame Product-Specific	20x10 fabricated reference uses new MS rectangular-tube floor framing; converted ISO-shell variant retains/repairs original cross-members and uses a separately approved deck.	The price reference is a new fabricated wide-body unit, not a promise of a freight container. Converted units require donor-condition inspection and structural repair before interior build-out.
Top frame Platform Common	MS RHS/channel or the documented proprietary upper rail sized for roof reactions, wall restraint and opening headers.	The upper frame closes the structural box, supports roof members and distributes wind and handling loads. Stair, canopy, stacked floor, tank, solar, exhaust or service-platform reactions are added only after project engineering.
Roof stiffeners Product-Specific	Fabricated unit: sloped PPGI/insulated roof on MS roof members; converted ISO unit: retained cargo roof with approved inner insulation/ceiling and repaired penetrations.	The structural family is declared on the quotation. Cargo-shell roof cutting, heavy AC units or water tanks require reinforcement and leak-testing.
Corner posts / walls Product-Specific	New wide-body: MS/RHS posts and rails; converted unit: retained corner posts/top rails with engineered headers/jambs around enlarged openings.	Large doors/windows between corrugations cannot be cut without a documented reinforcement frame. Shipping-container terminology is not used to imply CSC transport status after conversion.
Lifting / handling Platform Common	Marked lifting lugs, corner fittings, skid points or temporary transport brackets only where shown on the signed GA and lifting drawing.	The lift plan identifies finished weight, centre of gravity, sling geometry, spreader need and support points. One-piece lifting is not assumed for site-assembled sheds or panel camps, and forklift handling is allowed only when pockets and capacity are documented.
Welding & fabrication Platform Common	IS 2062 / IS 1161 class structural steel or approved equivalent; weld sizes, bolt grades, hole tolerances and joint details as the fabrication drawings.	Fabrication checks cover fit-up, weld continuity, distortion, dimensions, bolt tightening, sharp edges and coating repair. IS 800 / project welding requirements are design references; certified WPS/PQR/NDT is supplied only when specified in the contract or QA plan.

Technical Specification: Walls, Roof, Floor & Insulation

Component / scope	Baseline specification	Detailed design and coordination notes
Exterior walls Product-Specific	Fabricated reference: nominal 50 mm PUF/PPGI sandwich panels; converted shell option: steel outer skin plus insulated inner liner such as PUF/EPS/mineral/glass wool as specified.	The quote names the exact shell and insulation family. Market listings use different cores and furnishings, so external prices are benchmarks rather than equivalent specifications.
Roof Product-Specific	Nominal 50 mm class insulated PPGI roof for fabricated unit or retained cargo roof plus documented insulation/liner system for conversion.	Drainage, condensation control and service penetrations are detailed for the chosen system. A converted roof remains inspectable for corrosion and water entry.
Interior walls Product-Specific	Prelaminated board/PPGI/cement-board class liner with impact protection at bunks/lockers; wet liner only in toilet/pantry variants.	Internal wall finish is chosen for repeated occupancy and cleaning, with removable access at electrical/service points.
Ceiling Product-Specific	PUF panel underside or prelaminated/cement-board ceiling below insulation, with structural supports for lights/fans and service access.	Ceiling layout coordinates with bunks, AC throw and smoke/heat paths; no decorative residential ceiling is assumed.
Floor base Product-Specific	Fabricated reference: nominal 18 mm cement/cement-fibre board on steel grid; converted variant may use repaired 19 mm marine-ply class cargo deck with sealed edges.	The exact substrate is recorded because moisture resistance and point-load behavior differ. Toilet variants use cementitious waterproof build-up instead.
Floor finish Product-Specific	Vinyl/PVC resilient sheet or tile with skirting and sealed thresholds; slip-resistant wet finish in toilet/pantry variant.	The finish is selected for boots, luggage and routine cleaning rather than premium residential appearance.
Wall insulation Product-Specific	Nominal 50 mm PUF reference for fabricated wide-body unit; alternative glass/mineral-wool or EPS conversion build-up only when specified.	The external market ranges are not normalized as equal thermal systems. Whole-wall performance depends on steel framing, joints, openings and vapour control.
Roof insulation Product-Specific	Nominal 50 mm insulated roof or conversion-specific liner/insulation system with condensation control.	Cooling load and condensation are reviewed against occupant count, climate and glazing; panel thickness alone is not a comfort guarantee.
Decorative / external finish Product-Specific	Factory coating/PPGI finish, corner protection, marked lifting/support points and sealed external service stubs; CSC plate/transport status only if valid and applicable.	The accommodation cabin is treated as a building module after fit-out. Any road/sea freight certification, stacking or loaded transport claim requires separate evidence.
Fasteners & sealing Platform Common	Corrosion-compatible fasteners, EPDM washers, butyl/PU sealants, closures, flashing, sleeves and isolation tapes matched to the selected wall/roof/floor build-up.	Joints and penetrations are detailed to drain outward, remain cleanable and allow maintenance. Sealant is not used to hide poor laps, unsupported joints or wet-area movement; field drilling is deburred, protected and resealed.

Technical Specification: Doors, Windows, Electrical & Services

Component / scope	Baseline specification	Detailed design and coordination notes
Main door / service door Product-Specific	Nominal 900 mm class MS/insulated door; secondary exit/service door when occupancy and layout require it.	Door locations protect bunk clearance and central aisle. Locks and grilles balance security with emergency escape.
Windows / service opening Product-Specific	20x10 wide-body planning reference uses approximately three aluminium sliding/openable windows with insect mesh/grilles as required; exact count follows the GA.	Window placement avoids bunk conflicts and supports cross-ventilation. Converted shell openings receive structural headers/jambs.
Grills / mosquito mesh Platform Common	Removable mosquito mesh, louvres, restrictors, privacy screens or protected MS grilles only where required by room use and the approved opening schedule.	Accessories maintain ventilation, cleaning access and emergency escape. Sleeping areas, canteens and sanitation blocks use different privacy/security treatments; grille and mesh are not assumed on every opening.
Electrical wiring Platform Common	Typical references: 1.5 sq.mm lighting, 2.5 sq.mm socket circuits and 4 sq.mm AC/high-load circuits; final cable sizing follows connected load, voltage drop and protection coordination.	FR/FRLS copper wiring is routed in approved conduit/trunking with protected metal penetrations and separation from water, waste, LPG/data and flexible module joints. Final cable size and derating are confirmed by the project electrical schedule.
Electrical protection Platform Common	Main isolator, MCB/RCBO or RCCB protection, labelled neutral/earth bars, bonding and surge protection where required by the supply/risk assessment.	Steel frame and exposed conductive parts are bonded to the tested site earth. Wet-area circuits, generator/DG/UPS changeover, fault level and external supply interface follow the approved single-line diagram; this workbook does not certify the installation.
Electrical fittings Platform Common	LED luminaires, fan points, 6A/16A sockets, exhaust points, emergency lighting and dedicated equipment outlets only in quantities shown on the approved room/electrical schedule.	Fixture density follows occupancy and function: sleeper, canteen, wet block, supervisor room and remote camp have different loads. Loose appliances, AC units, kitchen equipment, UPS/DG and data devices are excluded unless itemized.
Ventilation / AC Product-Specific	Ceiling/wall fans plus window/louvre airflow; split AC point/isolator and condensate route sized to the approved cooling load.	The base rate does not include fitted AC unless itemized. Occupancy, solar gain and insulation determine capacity.
Plumbing / sanitary Product-Specific	No internal plumbing in the base sleeper. WC, shower, basin or pantry variants add CPVC/PPR supply, uPVC waste/vent, waterproof floor and external utility stubs.	The workbook keeps dry and wet variants commercially distinct. Water tank, pump, sewer/holding tank and site trenching are separate unless quoted.
Layout / configuration Product-Specific	20x10 reference plans approximately 6-8 persons using 3-4 bunks with a central aisle and locker/storage zone; other sizes use an approved bed schedule.	A separate bed per worker is used as a planning principle. Final density follows bed dimensions, aisle/egress, ventilation, privacy and site requirements; bunks/lockers are not automatically included in the shell price.
Painting / coating Platform Common	Prepared carbon steel with compatible primer/top coats, or galvanized/pre-painted sheet with repaired cut edges; system upgraded for coastal, industrial or wet-service exposure.	The coating schedule records preparation, product, coat sequence, colour and repair method. Skid undersides, roof drains, cut edges, wet-area thresholds and inaccessible crevices receive inspection attention because these locations govern field durability.
Quality checks Platform Common	Dimensional, member, weld/bolt, coating, panel, roof-drainage, opening, electrical and plumbing checks plus product-specific deployment or wet-test checks.	Handover evidence identifies the approved GA/BOM, material schedule, test records, photographs, punch items, lifting/service connection data and maintenance points. Fire, thermal, acoustic, structural or hygiene performance is stated only where supported by the contracted evidence.

Warranty and Contract Controls

Component / scope	Baseline specification	Detailed design and coordination notes
Warranty Platform Common	Warranty period, start date, remedy, relocation conditions, consumables and exclusions exactly as stated in the signed quotation and handover documents.	No universal warranty period is imposed by this workbook because attached and public product sources use different commercial packages. Site foundations, utilities, misuse, unauthorized alteration, poor cleaning, blocked drains, missed seal/coating maintenance and relocation damage remain excluded unless expressly covered.

Warranty period, remedy, exclusions and relocation conditions must follow the signed quotation and handover documents. No universal warranty period is imposed by this PDF.

Published Sizes and Indicative Rates

Code	Published size	Area	Build route
SZ-01	20x8 ft	160 sq ft	Converted shipping container
SZ-02	20x10 ft	200 sq ft	Fabricated wide-body
SZ-03	30x10 ft	300 sq ft	Fabricated wide-body
SZ-04	40x8 ft	320 sq ft	Converted shipping container
SZ-05	40x10 ft	400 sq ft	Fabricated wide-body
SZ-06	40x12 ft	480 sq ft	Fabricated wide-body

Two indicative rate bands apply. The finished shell runs INR 1,200 to 1,500 per sq.ft., and the rate falls as the unit gets larger. A unit fitted with bunk beds, a toilet and a working split AC runs INR 1,500 to 2,100 per sq.ft. Both bands are ex-GST. Per-size rates, transport and installation are quoted separately. The written quotation, approved drawing and bill of materials govern the order.

Scope Boundary and Exclusions

The indicative shell rate covers the structural box, the nominal 50 mm class insulated wall and roof package, the floor substrate and vinyl finish, the doors and windows on the approved schedule, the basic electrical fit-out, and the provision for a split air conditioner.

- Bunk beds and lockers
- Toilet, shower, basin or pantry fit-out and the plumbing that serves them
- The split air-conditioner unit itself, as opposed to the provision for it
- The donor container purchase where a conversion is specified as buyer-supplied
- Transport, offloading, positioning and installation
- Foundations, plinths, anchors and external site utilities
- Project-specific structural engineering and any specialist certificate or third-party approval

Price disclaimer

These figures are workbook-controlled budget estimates for the published technical framework. Material selection, custom dimensions, quantity, project location, access, performance requirements, taxes and market conditions can change the final quotation.

Project Coordination and Pre-dispatch Quality

A technically complete quotation depends on the project information below. Freeze these inputs before final drawings and manufacture to reduce variations, field cutting and interface disputes.

Information required for a firm quotation

- Project location, climate or exposure condition and intended service life.
- Selected published size or custom dimensions, quantity and required delivery sequence.
- Intended use, occupancy, room layout, partitions and equipment or storage loads.
- Door, window, service opening, grill, louver and security schedule.
- Electrical supply, connected load, AC or ventilation equipment, socket and lighting schedule.
- Water, waste, sanitary, fire, acoustic or other specialist performance requirements where applicable.
- Transport route, site access, crane or unloading plan, lifting restrictions and final support locations.

Pre-dispatch quality checks

Pre-dispatch QA covers dimensions, member/panel identification, connections, coating, roof drainage, weather sealing, doors, windows, electrical continuity and functional checks; specialist performance certificates are verified where the product requires them.

Handover, Maintenance and Warranty Controls

The following controls support acceptance and continued service. Align them with the final quotation, approved drawings, site risk assessment and any specialist manufacturer instructions.

Recommended owner inspection points

- Keep roof drainage paths, gutters and outlets clear; investigate standing water or leakage promptly.
- Inspect flashings, panel joints, sealants, fasteners, door and window perimeters and service penetrations.
- Repair coating, cut-edge or galvanized-surface damage with the compatible approved system.
- Do not add large openings, equipment supports or unapproved penetrations without design review.
- After transport or relocation, inspect frame alignment, connections, floor, panels, seals, electricals and services before use.
- Arrange electrical testing and specialist fire, acoustic, plumbing or structural inspection where the project requires it.

Approved configuration	Final general arrangement, opening schedule, service layout and selected finish schedule.
Technical schedule	Final bill of materials or approved technical schedule identifying product-specific selections and approved deviations.
Quality records	Pre-dispatch inspection or acceptance record, dimensional checks and functional checks included in the agreed scope.
Care and warranty	Handling, touch-up and maintenance guidance together with final warranty period, scope, exclusions and claim process.

Accommodation Container FAQs

What is the intended use of this product?

Transportable enclosed sleeping module for project workforces, with the 20x10 wide-body fabricated cabin used as the pricing reference. The technical page distinguishes new fabricated units from converted ISO shells, controls bunk/aisle density, and keeps wet-service variants separate so a simple sleeper is not presented as a fully self-contained accommodation block.

What structural base is specified?

The structural base follows the controlled workbook baseline: IS 2062 or approved equivalent MS channel/RHS/formed sections; exact member sizes and support reactions from the signed structural drawing.. Final member sizing, support reactions and handling provisions remain subject to the signed drawing.

What wall, roof and insulation system is specified?

Exterior wall: Fabricated reference: nominal 50 mm PUF/PPGI sandwich panels; converted shell option: steel outer skin plus insulated inner liner such as PUF/EPS/mineral/glass wool as specified. Roof: Nominal 50 mm class insulated PPGI roof for fabricated unit or retained cargo roof plus documented insulation/liner system for conversion. Wall insulation: Nominal 50 mm PUF reference for fabricated wide-body unit; alternative glass/mineral-wool or EPS conversion build-up only when specified. Roof insulation: Nominal 50 mm insulated roof or conversion-specific liner/insulation system with condensation control.

How are electrical systems controlled?

Wiring baseline: Typical references: 1.5 sq.mm lighting, 2.5 sq.mm socket circuits and 4 sq.mm AC/high-load circuits; final cable sizing follows connected load, voltage drop and protection coordination. Protection baseline: Main isolator, MCB/RCBO or RCCB protection, labelled neutral/earth bars, bonding and surge protection where required by the supply/risk assessment. Final circuit quantities, load schedule, earthing and equipment points follow the approved electrical drawing.

How is the published price calculated?

Two indicative bands apply. The finished shell runs INR 1,200 to 1,500 per sq.ft. ex-GST, falling as the unit gets larger. Fitted with bunk beds, a toilet and a working split AC, the range is INR 1,500 to 2,100 per sq.ft. Per-size rates issue separately and the written quotation governs.

What should be confirmed before ordering?

Confirm size, layout, openings, services, utilities, transport, unloading, foundation/supports, optional items, taxes and final quotation validity.

Are these real shipping containers?

The 20x8 ft and 40x8 ft sizes are, converted from used donor shells. The 20x10, 30x10, 40x10 and 40x12 ft sizes are not. No shipping container is made wider than 8 ft, so those are fabricated from MS corrugated sheet on a new steel frame.

Document Control and Contact

Document ID	SP-LC-ACC-TS-R2
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Revision	Rev 2 | 16 August 2026
Technical source	SAMAN Labour Colony controlled technical and pricing workbook; 30 technical lines and six published size configurations.
Commercial basis	Indicative rate bands approved by SAMAN 16 August 2026; per-size rates pending.
Costing status	Budgetary - attached 95-product market profile; approval required
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SEO / editorial reviewer	SAMAN POS India Private Limited, 16 August 2026
Document status	Released for publication
Size ladder basis	Controlled workbook six-size schedule
Not for construction	Illustrative and budgetary only. Not for construction unless approved.
Document owner	SAMAN Portable | SAMAN POS India Private Limited
Request a project quotation	South / Bengaluru: +91 88616 22859 | sales@samanportable.com; North / Greater Noida: +91 87960 39938 | ncr@samanportable.com

Final control note

Final drawings, engineering calculations, bill of materials, performance certificates, warranty terms, logistics scope and commercial quotation supersede this selection guide for the specific order. Do not infer a fire, acoustic, structural, corrosion or thermal performance rating unless it is stated and supported for the exact supplied assembly.