



COMPANY PROFILE

2026-2027

"Building sustainable, affordable homes for all. We deliver housing as a human right through using tailored financial models to ensure inclusivity."



www.sterlingshammerconstruction.com



COMPANY OVERVIEW

Steel technology. Complete construction solutions.

Sterling's Hammer Construction (SHC) is a Windhoek-based construction and housing solutions company focused on light steel frame technology, tailored construction specifications and project financing coordination.

We coordinate the agreed construction scope from project planning and technical inputs through framing, roofing, wall systems, flooring and final finishes.



OUR MISSION

Make quality construction and homeownership more accessible through practical project solutions.



OUR TECHNOLOGY

Use engineered light steel framing as part of a coordinated building system.



OUR APPROACH

Align each project with the client brief, specifications, budget and funding pathway.



| LIGHT STEEL FRAME TECHNOLOGY

Engineered members. Connected assemblies.



01 COLD-FORMED STEEL

Thin steel sheet is formed into studs, tracks, joists and truss members.

02 GALVANIZED PROTECTION

Protective coatings and moisture detailing support durability.

03 FRAME ASSEMBLY

Members are aligned, anchored, connected and braced to the engineered design.



ENGINEERING & DESIGN STANDARDS

Single-storey system | Lightweight roof | Ground-supported floor

AISI S100

Member design

AISI S240

Structural framing

AISI S400

Applicable seismic systems

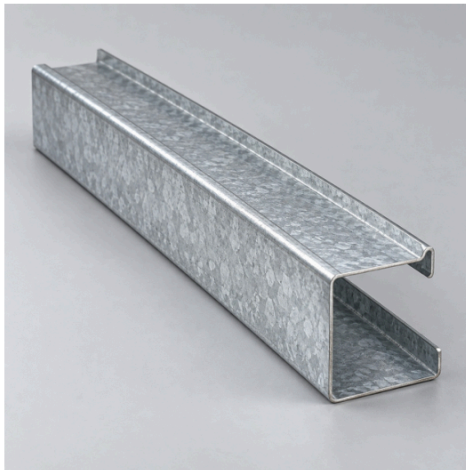
DESIGN ITEM	TECHNICAL REQUIREMENT
Design framework	Locally adopted building code and load standards govern. AISI standards apply where accepted; editions are identified by the engineer.
Gravity / roof loads	Include frame, cladding, ceilings, insulation, services and roof coverings; maintenance/live loads and applicable rain or snow. Check strength, stability, bearing and serviceability.
Wind design	Record wind speed and averaging basis, exposure, terrain/topography and internal pressure. Check walls, roof, connections, anchors and uplift.
Seismic design	Record hazard, soil/site class and lateral system. Check forces, drift, bracing, hold-downs and transfer into foundations.
Foundation interface	Use verified soil conditions and frame reactions. Coordinate slab/footings, anchors, edge distances and uplift resistance.

APPROVAL GATE • Coordinated architectural, structural and foundation drawings; professional stamps as required; end-user and authority approvals before manufacture.



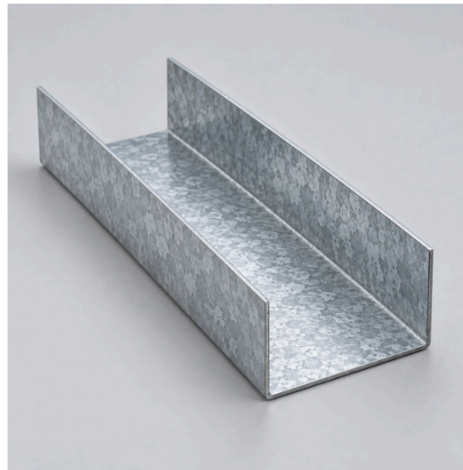
| STEEL PROFILES & FRAME ASSEMBLY

Purpose-made sections. An engineered structure.



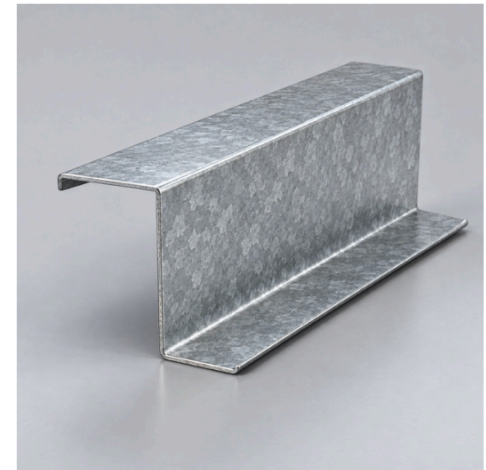
C-SECTIONS

Lipped channels commonly form studs, joists and truss members.



U-TRACKS

Tracks locate stud ends and connect wall panel assemblies.



SUPPORT PROFILES

Secondary sections support roofing or cladding as specified.



STEEL & CORROSION PROTECTION

Traceable materials. Specified thickness. Exposure-led protection.

ASTM A1003/A1003M

Steel or accepted equivalent

HOT-DIP GALVANIZED

Studs, tracks and framing

BASE-METAL THICKNESS

Record actual structural thickness

DESIGN ITEM	TECHNICAL REQUIREMENT
Steel schedule	State structural grade, yield strength, base-metal thickness and section dimensions. Gauge terminology alone does not identify structural thickness.
Corrosion protection	Engineer selects coating designation or mass for the service environment, considering coastal, saline, industrial and persistently damp exposure.
Compatible connections	Use corrosion-resistant fasteners and connectors compatible with the galvanized members; isolate incompatible materials.
Storage & repairs	Store dry and clear of the ground. Repair coating damage by an approved method.
Material traceability	Retain material certificates and traceable member/batch identification. Match pre-cut, labelled components to the approved assembly plan.

The project engineer and local authority must accept any equivalent steel specification.



FRAMING, CONNECTIONS & LOAD PATH

Engineered members connect the roof, walls and foundations.

ROOF + TIE-DOWNS

Gravity loads and uplift

WALLS + BRACING

Continuous force transfer

ANCHORS + FOUNDATION

Reactions to the ground

DESIGN ITEM	TECHNICAL REQUIREMENT
Wall studs & tracks	Specify sizes, thicknesses, grades and spacing; distinguish structural/nonstructural members. Check buckling, axial/bending interaction, bearing and restraint.
Openings & junctions	Engineered headers, jamb studs, lintel supports, corners, reinforced tracks and connections. Transfer concentrated roof loads through specified supports.
Lateral stability	Specified straps, bracing or engineered sheathed shear walls; bridging, blocking and hold-downs. Maintain a continuous roof-to-foundation load path.
Roof members	Engineered cold-formed steel trusses or rafters, supports, bracing and tie-downs. Design for span, pitch, overhang, covering weight and uplift.
Screws & anchors	Schedule screw type, diameter, length, coating, quantity, spacing and edge distances; check connection failure. Specify anchor substrate, embedment, spacing and edge distances.



WHY BUILD WITH LIGHT STEEL FRAME?



Precision & consistency

Prepared components support accurate assembly and coordinated interfaces with walls, roofs and services.



Material efficiency

Cut-to-length members can reduce offcuts.
Steel is recyclable, with project waste managed through responsible procurement.



Efficient site assembly

Prefabricated panels and trusses can streamline erection. The programme depends on project scale, access and coordination.



Flexible finishes

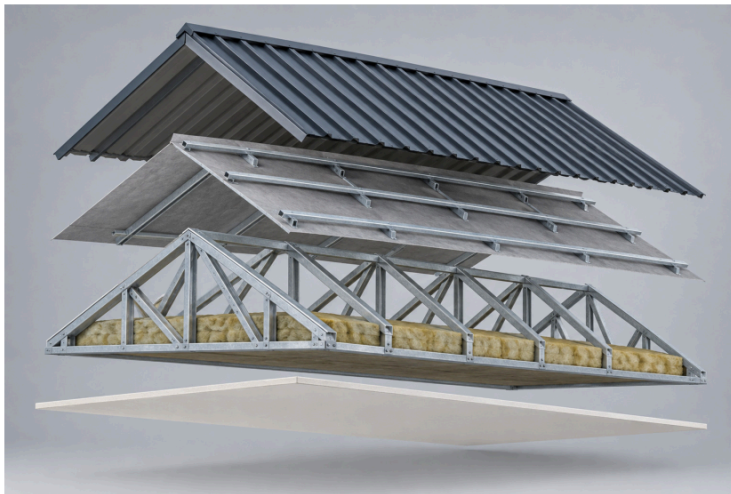
The structure can support a range of cladding and interior finishes when these are designed as compatible assemblies.



ROOFING SYSTEMS

Illustrative roof layers | Final build-up follows approved drawings

01 / THE SEPARATE LAYERS



Read from top to bottom:

1. Roof covering
2. Underlay + purlins
3. Steel trusses + ceiling insulation
4. Ceiling lining below

02 / THE COMPLETE ROOF



Engineered steel trusses or rafters support the lightweight roof. Bracing and tie-downs resist uplift.

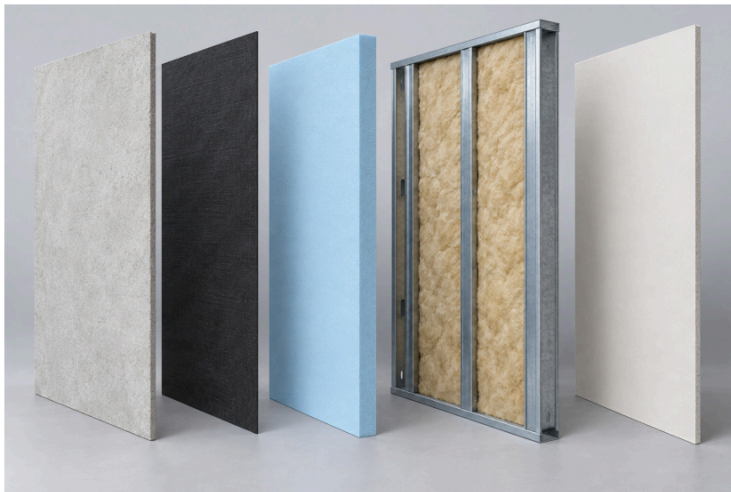
Final roof build-up, insulation, coverings and supports follow the approved project drawings.



| WALL SYSTEMS & INSULATION

Illustrative wall layers | Supplied boards: pre-painted fibre cement

01 / THE SEPARATE LAYERS



Read from left to right:

1. Exterior fibre-cement board
2. Weather control as specified
3. Thermal break / insulation as specified
4. Steel frame; cavity treatment as specified
5. Interior fibre-cement board

02 / THE COMPLETE WALL



Specified interior and exterior panels are pre-painted fibre cement.

Layer arrangement is illustrative; final insulation, membranes, thermal breaks and joints follow the approved panel system.



FIRE, THERMAL & ACOUSTIC PERFORMANCE

Performance is documented for the complete approved assembly.

ASTM E119 / UL 263

Fire testing or local method

R-VALUE

Product + whole assembly

SOUND INSULATION

Document complete build-up

DESIGN ITEM	TECHNICAL REQUIREMENT
Fire performance	Steel framing is noncombustible. Required ratings need a complete tested/approved load-bearing wall or roof assembly, including linings, insulation, joints, fasteners and penetrations.
Structural fire rating	Use ASTM E119/UL 263 or a locally accepted method. A non-load-bearing partition listing does not establish a structural wall rating.
Wall panels	Pre-painted interior/exterior fibre-cement panels. Record product-specific thermal R-values and acoustic performance in the approved panel specification.
Envelope coordination	Coordinate thermal breaks, insulation, air/moisture control and local climate. Include steel thermal bridging in whole-wall and roof thermal checks.
Panel installation	Supports, fastening, joints and moisture protection follow the approved design. Panels act as bracing only when included in the engineered resisting system.

Published ratings and build-ups are project/product specific; the supplier specification gives no numerical R-value, acoustic rating or fire-resistance duration.



| FLOOR SYSTEMS & FLOORING

Optional suspended floor | Only where engineered and approved

01 / THE SEPARATE LAYERS



Read from top to bottom:

1. Floor finish
2. Structural deck / board
3. Steel joists + insulation
4. Ceiling lining below

02 / THE COMPLETE FLOOR



This illustration shows a suspended steel floor, used only if specified in approved drawings.

The supplied single-storey system is based on a ground-supported floor; see the following page.



GROUND-SUPPORTED FLOOR & FOUNDATION

The supplied single-storey system uses a ground-supported floor.



SECTION SCHEMATIC • Project engineer defines the complete build-up and dimensions.

DESIGN ITEM	TECHNICAL REQUIREMENT
Foundation design	Verified ground conditions, frame reactions and approved structural/foundation drawings govern.
Anchor coordination	Confirm substrate, embedment, spacing, edge distances and uplift resistance before installation.
Pre-erection check	Verify foundation dimensions, level, anchor locations and readiness before the frame is

Section is schematic. Slab, moisture control, ground preparation and dimensions are defined by the approved project design.



DURABILITY & SUPPLIER WARRANTIES

Documented protection and written warranty coverage.

100 YEARS

Supplier framing warranty

50 YEARS

Supplier fibre-cement panel warranty

TERMITE RESISTANCE

Steel + specified fibre-cement boards

DESIGN ITEM	TECHNICAL REQUIREMENT
Light-gauge steel frame	Supplier states a 100-year warranty on all light-gauge steel framing. Coverage and conditions are defined in the written warranty documents.
Fibre-cement panels	Supplier states a 50-year warranty for the pre-painted interior and exterior fibre-cement board panels.
Termite resistance	Galvanized steel framing and the specified interior/exterior fibre-cement boards cannot be eaten by termites.
Handover evidence	Provide the applicable written warranties and maintenance instructions required by the supply agreement.

SHC coordinates these supplied systems within the agreed project scope. Warranty periods shown are supplier-stated coverage, subject to the applicable written terms.



EXTERIOR & INTERIOR FINISHES

Supplied fibre-cement panels | Approved alternative finishes

Supplied exterior system

Pre-painted fibre-cement panels form the specified exterior board system. Supports, fixings, joints and weather protection follow the approved panel design.

Alternative cladding requires supplier and engineer approval.

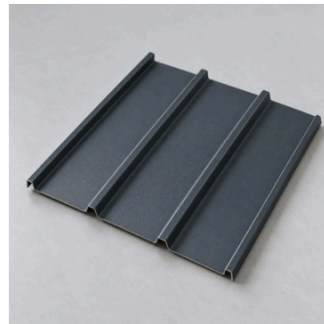
Supplied interior system

Pre-painted fibre-cement panels form the specified interior board system. Decorative finishes are coordinated with the approved assembly.

Gypsum board is an alternative lining only where supplier and engineer approved.



FIBRE CEMENT



METAL



TIMBER



INTERNAL BOARD

Finish samples illustrate material choices. Alternatives are subject to supplier and engineer approval, assembly compatibility and the agreed scope and cost plan.



TURNKEY SERVICES & CAPABILITIES



Planning & groundworks

Project scope, design coordination, approvals, site preparation and foundation works as agreed.



Roofing, walls & floors

Roof coverings, cladding, insulation, wall linings, ceilings and selected flooring systems.



Steel frame construction

Coordination and assembly of engineered wall framing, roof trusses and applicable floor framing.



Services & final finishes

Plumbing and electrical coordination, doors, windows, fixtures, painting, completion checks and handover.



QUALITY ASSURANCE & HANDOVER

Four inspection gates from approval to completion.

01 Before manufacture	02 Material receipt	03 Before enclosure	04 Handover
DESIGN ITEM		TECHNICAL REQUIREMENT	
01 / Approve		Approved drawings and end-user sign-off; loads, member/connection schedules, foundation reactions, coating and assembly details.	
02 / Verify		Member IDs, dimensions, base-metal thickness, grade/coating records, correct fasteners and unacceptable damage checks.	
03 / Inspect		Alignment, bearing, bracing, connections, anchors, roof tie-downs and service openings; complete permanent bracing. Record corrections and engineer-approved changes.	
04 / Deliver		Final approved/as-built information as applicable; certificates, relevant test reports, inspection records, maintenance instructions and written warranties.	

SITE CONTROLS

Temporary bracing remains until the permanent system is complete. Align, plumb and fasten to specified tolerances. Protect planned service openings; cutting, notching, enlarged holes or connection changes require engineer approval. Avoid overdriven/stripped screws. Panel weights and erection plan determine handling and lifting equipment.



| TAILORED PROJECT SPECIFICATIONS

Your brief shapes the building system

01 Understand the project

Define the use, site, scale, spaces, appearance and client priorities.

02 Select the construction system

Coordinate structure, roof, walls, floors, insulation and services.

03 Agree finishes and budget

Confirm materials, specifications, inclusions and the cost plan.

04 Plan delivery and handover

Set procurement, approvals, construction milestones and completion requirements.

Changes are reviewed against the specification, price and programme before implementation.



PROJECT TECHNICAL SCHEDULE

Every approved project package turns the general system into a buildable design.

DESIGN ITEM	TECHNICAL REQUIREMENT
Geometry & exposure	Building dimensions, roof layout, spans, pitch, overhangs, design loads and site exposure.
Member schedule	Profiles, base-metal thicknesses, grades, spacing, yield strength and coating class.
Stability & connections	Bracing, bridging, hold-downs, connection schedules, roof tie-downs and anchor details.
Envelope & performance	Wall/roof panel build-ups; required fire performance, thermal R-values, acoustic performance and moisture control.
Delivery & inspection	Coordinated drawings, approvals, fabrication identification, erection tolerances, inspection gates and handover documents.

PROJECT-SPECIFIC ENGINEERING

Each project needs coordinated specifications and drawings prepared and stamped by appropriately qualified professionals as required for its jurisdiction. Final member sizes, connections and performance requirements are established by the project engineer.

Technical basis: supplier single-storey light-gauge steel framing specification, dated 5 October 2026.



| PROJECT FINANCING COORDINATION

Connecting the construction plan with a funding pathway

SHC works with clients and prospective funding partners to explore project-specific financing structures. The funding discussion runs alongside the construction scope, specification, cost plan and delivery programme.



Homeownership

Assess affordability, available finance and an agreed payment structure.



Development projects

Explore phased construction and funding aligned with procurement and completion milestones.



Partner-led models

Consider employer-supported or public-private models where suitable and available.

Financing is subject to feasibility, eligibility, due diligence, provider approval and agreed contracts. Availability and approval are not guaranteed.



| CONTACT US

Let us discuss your next construction project



BUILDING WITH STEEL.
BUILDING AROUND YOU.

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