

ASAS FOR GENERAL INDUSTRIES

About Us:

We are the leading construction company based in Oman
Specializing in Light Gauge Steel (LGS) construction
solutions, delivering innovative, sustainable, and cost
effective building systems for residential, commercial,
industrial, and modular projects.



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Muscat, Sultanate of Oman

➤ Our Expertise:

- 1) LGS Design and Engineering
- 2) FRAMECAD Manufacturing
- 3) Project Management
- 4) Installation & Construction
- 5) Trunkkey Solutions



➤ What is Light Guage Steel (LGS)?

Light Guage Steel (LGS) is a construction system utilizing cold-formed galvanized steel sections manufactured with precision through automated roll-forming technology.



➤ Key Features:

- Lightweight structure
- High Strength
- Corrosion Resistant
- Sustainable Construction
- Precision Manufacturing

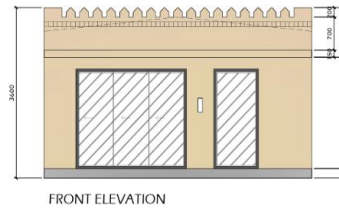
➤ Why Choose LGS?

- Up to 60% faster construction
- High structural strength
- Light weight building systems
- Earthquake Resistance
- Fire Resistance
- Termite & pest proof
- Reduced Construction Waste
- Sustainable and recyclable
- Superior quality Control



❖ Applications of LGS Technology:

- Villas & Residential Buildings
- Commercial Buildings
- Schools & Educational Facilities
- Hospitals & Clinics
- Staff Accommodation
- Labor Camps
- Warehouses
- Site offices
- Modular Buildings



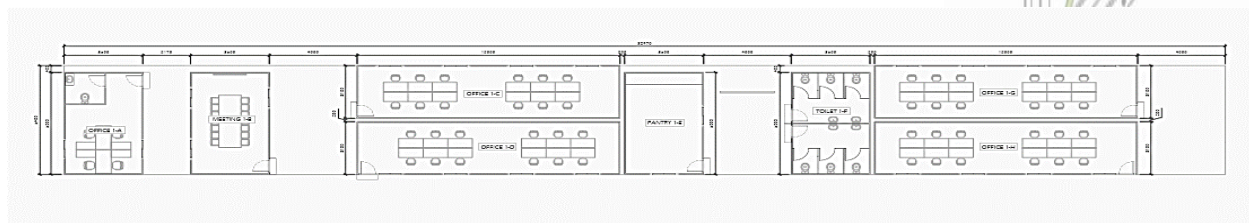
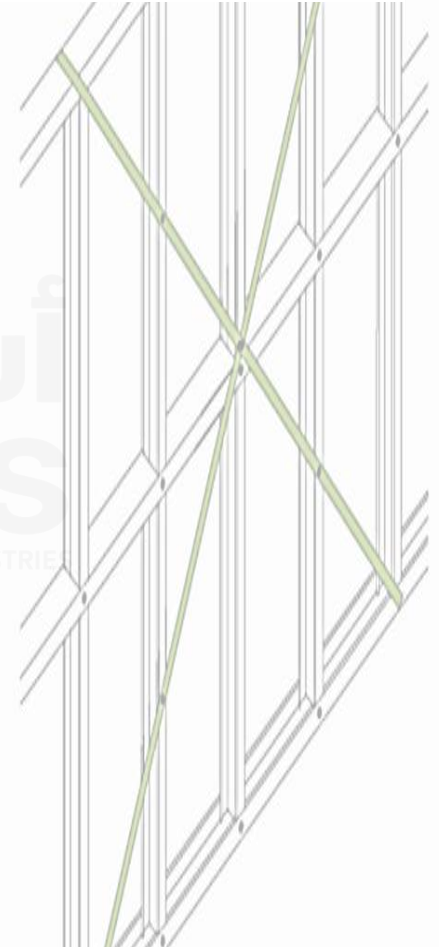
RENDER PERSPECTIVE

❖ FRAMECAD Design & Engineering:

- Architectural Design
- Structural Analysis
- BIM Modelling
- FRAMECAD Engineering
- Shop Drawings
- Manufacturing Files Generations

❖ Benefits:

- Improved Accuracy
- Faster Design Process
- Clash Detection
- Material optimization
- Efficient project Execution



➤ **Manufacturing Process-FRAMECAD Technology:**

❖ **Process Flow:**

Steel Coil → Design Data → FRAMECAD Software → Roll Forming Machine → Quality Control → Panel Assembly → Packaging

❖ **Material Specifications:**

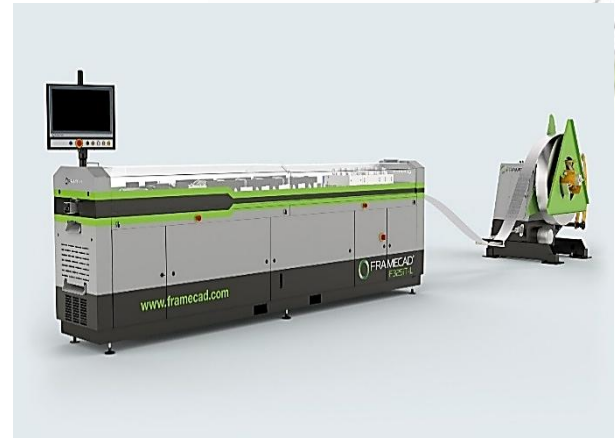
- 1) AZ150 / Z275 / AZ 120 coatings
- 2) Thickness 0.55 -1.15mm
- 3) GR 550 High strength steel
- 4) Corrosion Resistance

❖ **Machines:**

- 1) FRAMECAD F325iT
- 2) FRAMECAD F300i

❖ **Benefits:**

- 1) High production speed
- 2) Millimeter accuracy
- 3) Reduced Material Waste
- 4) Consistent quality

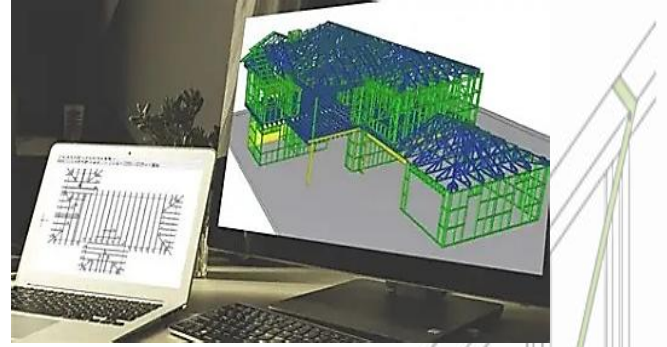


➤ **Quality Control & Panel Assembly:**

- 1) Material Certification Verification
- 2) Dimensional inspection
- 3) Structural Compliance
- 4) Production Documentation

❖ **Panel Assembly:**

- ❖ Wall Panels
- ❖ Floor Panels
- ❖ Roof trusses
- ❖ Structural Bracing



➤ **Project Execution Flow:**



❖ **Foundation and Site Preparation**

➤ **Activities:**

- 1) Site Survey
- 2) Setting Out
- 3) Foundation Construction
- 4) Anchor Bolt Installation
- 5) Floor level Verification
- 6) Pre- Installation Inspection



❖ Wall Panel Installation:

➤ Activities:

- 1) Positioning of Panel
- 2) Anchor fixing
- 3) Alignment & Plumbing
- 4) Temporary Bracing
- 5) Structural Inspection



❖ Benefits:

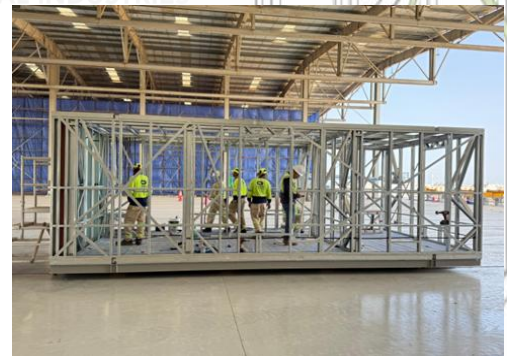
- Rapid Installation
- Minimal Labour Requirement
- Improved Accuracy

➤ Floor & Roof Installation:

❖ Structural Completion

➤ Floor systems:

- ❖ Floor joist Installation
- ❖ Decking works
- ❖ Structural Connections
- ❖ Roof Systems:
- ❖ Roof Truss Installation
- ❖ Bracing
- ❖ Purlins Installation
- ❖ Roofing Preparations

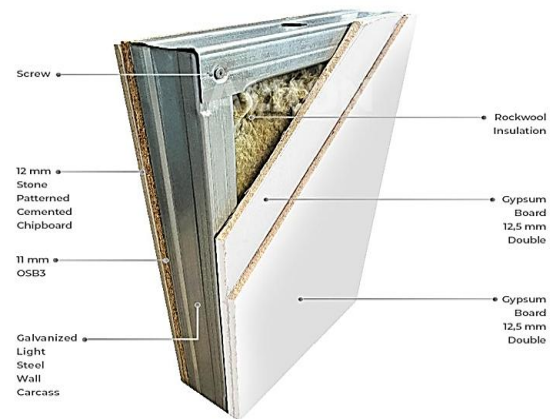


➤ Wall System Compositions:

1) External Wall Assembly:

Exterior Finish:

- Fire rated Fiber Cement Board
- Structural System
- Light Gauge Steel Frame



○ Insulation

- Rockwool Insulation
- Thickness 70mm
- Density 50 kg/m3

2) Interior Finish:

- Gypsum Board
- Wall ceiling
- Gypsum Board or Tile Ceiling as per the Customer Requirement
- Fire rated wall system
- Fire protection Components
- Fire rated fiber cement board
- Noncombustible rockwool insulation
- Fire rated Gypsum Board
- Galvanized steel structure



❖ **Benefits:**

- Improved fire resistance
- Enhanced Occupant safety
- Compliance with International standard
- Suitable for Residential and Commercial Buildings

❖ **Interior Finishing Work:**

- **Quality Interior Environment:**

❖ **Finishing Activities:**

- Gypsum Board Installation
- Joint Treatment
- Surface Finishing
- Painting Work
- MEP Integration
- Final Decoration



➤ **Sustainability & Green Building:**

Environmentally Responsible Construction

Sustainability Benefits:

- 100% Recyclable Steel
- Reduced Carbon Footprint
- Minimal Construction Waste
- Energy Efficient Building
- Sustainable Material Usage
- Green Building Compliance



➤ **Why to choose our LGS Solution?**

○ **Competitive Advantages:**

- Complete Design to Build Solution
- Advance FRAMECAD Technology
- Experience Engineering Team
- Superior Quality Assurance
- Fast Project Delivery
- Cost Effective Construction Professional Installation Services
- Long Term Structural Performance



❖ **OUR PARTNERS**

➤ **SPEED HOUSE BUILDING Construction LLC**
(Experience 25 years):

We are proud of our partnership with SPEED HOUSE BUILDING Construction LLC, a leading Omani company specializing in construction, mobile homes, containers, and prefabricated caravans that are easy to move, assemble, and disassemble.

As an approved small and medium enterprise (SME), they have a proven track record of working with major oil and gas companies, construction firms, and government entities.



○ Our Clints:

We are proud to work with a diverse range of clients across different industries in the Sultanate of Oman. Our commitment to quality, reliability, and professional service has enabled us to build strong and lasting relationships with our valued clients. We continuously strive to understand their needs and deliver effective solutions that contribute to the success of their projects.





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