

# Genesis Manazil Steel Framing

Green Light Steel Structural Solutions



Build with the Global  
Green Building Experts



# A Turnkey Approach to Green Building Structures



Genesis Manazil Steel Framing has gained unique light-steel Framing (LSF) technical and execution expertise in United Arab Emirates based on the Genesis Technology Platform. Starting from the architectural drawings all the way to inspecting the finished LSF structure, Genesis Manazil delivers complete turnkey solutions to cost-conscious real estate developers and construction companies eager to join the Green Building movement.

**Structural Engineering Services:** our dedicated team of professional structural engineers, framing designers and technologists bring the experience and the specialized skills required to engage in any type of structural and non-structural projects using LSF products according to local building codes and requirements.

**Manufacturing Services:** a state-of-the-art and lean industrial operation located in Abu Dhabi with advanced material handling, cold roll forming, automated framing and sheathing assembly equipment produces on-demand accurate and consistent LSF joist, wall, truss and floor systems in a 100% quality controlled environment.

**Logistics Services:** a live (web-based) and just-in-time management of product inventories on-site and off-site gives instantaneous access to status of any roof, floor, and wall systems pre-fabricated and pre-bundled in sequence for installation of a specific project.

**Installation Services:** experienced and efficient site crews, supervisors and professional engineers are committed and available to ensure the structure gets erected and inspected on-time and with the highest quality standards.

**Project management Services:** dedicated resources to each project manage continuously all the services described above to ensure all the customer deliverables are met within the agreed budget at all times. Our professional project managers are the focal points from the onset of any project including the contractual phase so communication is transparent and effective during the complete project.

## Light-Steel Structural Systems Benefits



### Social and Health

- ▶ No harmful emission, corrosion or mold
- ▶ Non-combustible and non-organic
- ▶ Safe for seismic, wind, and heavy rains
- ▶ Vapor control and thermal performance



### Environmental

- ▶ Environmentally responsible material
  - Long life cycle
  - Infinite recyclability
  - Limited waste (1 to 10 ratio compared to lumber)
- ▶ Superior energy efficiency
- ▶ Aligned with government initiatives (LEED)

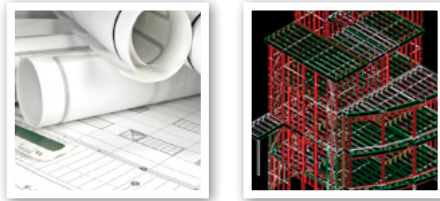


### Business

- ▶ Faster deliveries
  - Turnkey integration efficiencies
  - Reduced delays from weather
  - No multi-trade/supply coordination
  - Accelerated deliveries
  - Safe, clean and accessible jobsites
- ▶ Better Quality
  - Controlled workmanship and consistent dimensions
  - High strength and durable product (protective coating)
  - Longer spans, increased design flexibility
  - No shrinking, warping and cracking
  - Wide range of architectures and finishing options
- ▶ Cost Effective
  - Off-site manufacturing accuracy and predictability
  - Low skill requirement for structure assembly and finish
  - Reduced after sales service, call backs and repairs
  - Low maintenance costs and high resale value
  - Steel commodity readily available and competitive
  - Waste disposal, clean-up, and removal reduced
  - Low contractor's risk insurance costs
  - Light stress on foundations, cranes, and contractors
  - Limited material stock for suppliers and contractors
  - One-stop accountability resulting in on-time and on-budget deliveries

Effective and Seamless  
Project Integration

# Project Management



1  
Structural Design and Fabrication  
Drawings for all Structural Elements



2  
Wall / Floor / Roof Panels  
Production & Delivery



3  
On-site Installation



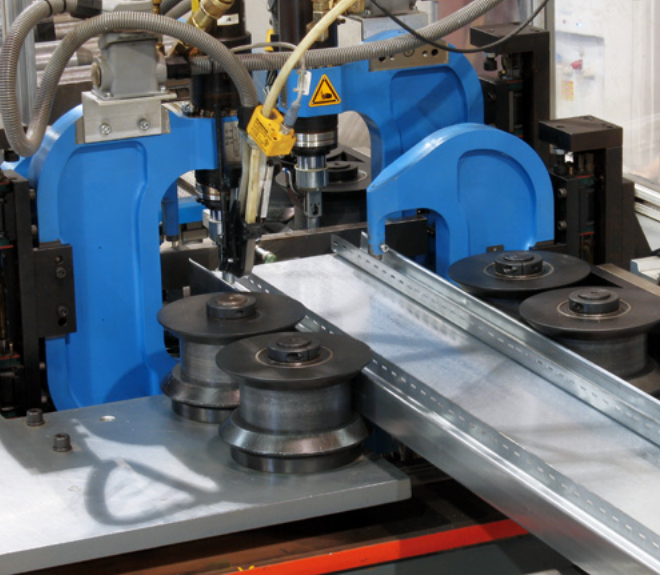
4  
Final Inspection



A Proven and Cost Effective Process

Residential,  
Institutional,  
and Commercial  
Projects of up to 8  
Storeys





# A Comprehensive Portfolio of Engineered Structural Systems

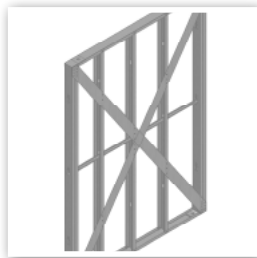
Thanks to its unique and wide capabilities, Genesis Manazil Steel Framing can engineer, manufacture and deliver a building structure for any residential, commercial and institutional building project and can consequently achieve any design architecture with the desired comfort for the occupants. The innovative and smart Genesis Manazil Green Systems provide a complete realm of solutions for floor, roof and wall applications meeting or exceeding the International specifications for fire, sound and thermal ratings.



## Structural & Partition Wall Systems



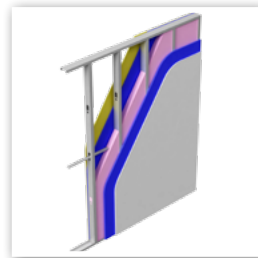
Curtain Walls



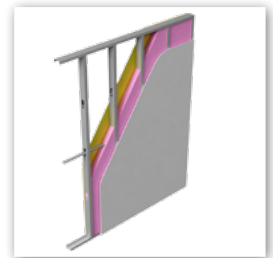
Shear Walls



Non-Load Bearing Walls



Sound Proof Walls

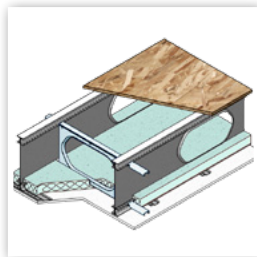


Insulated Walls

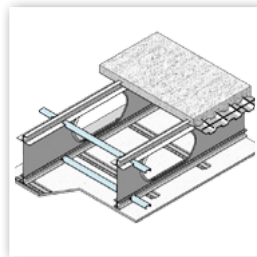
## Structural Floor Systems



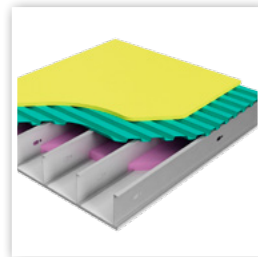
iSPAN Joist System



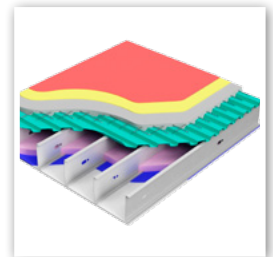
iSPAN Joist System Fire Rated



iSPAN Joist System Composite



Fire Rated Floor Panels

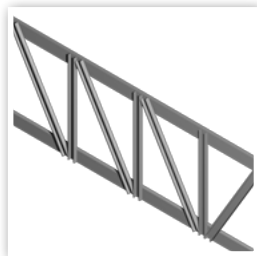


Sound Rated Floor Panels

## Structural Roof Systems



Common Truss



Parallel Chord Trusses



Scissor Trusses



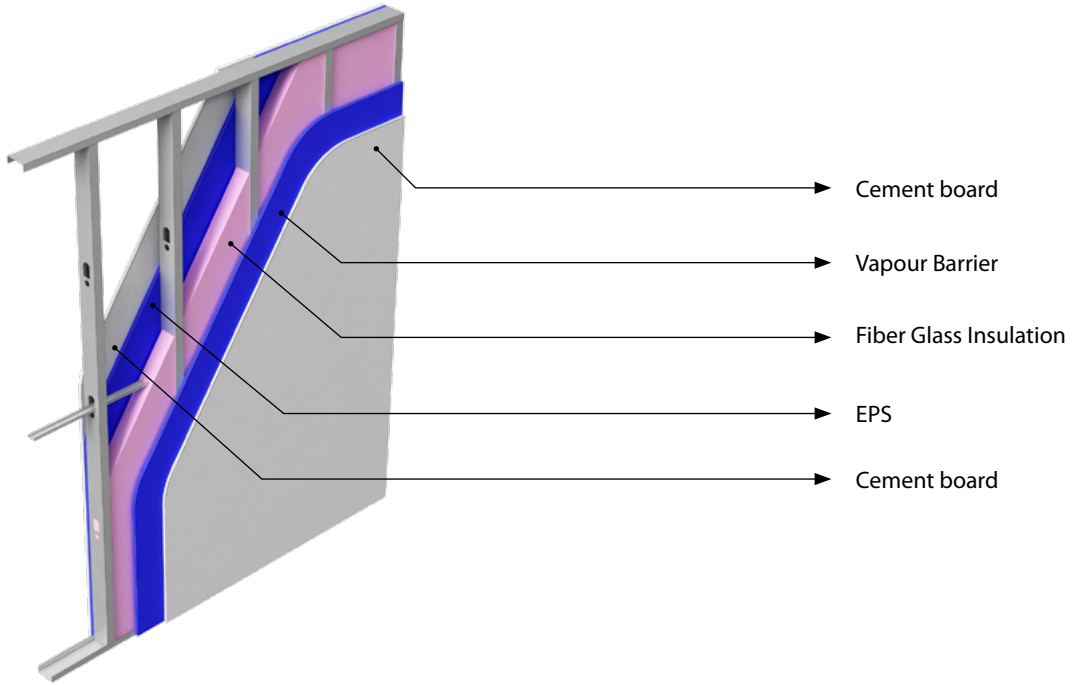
Jack/Mansard Truss



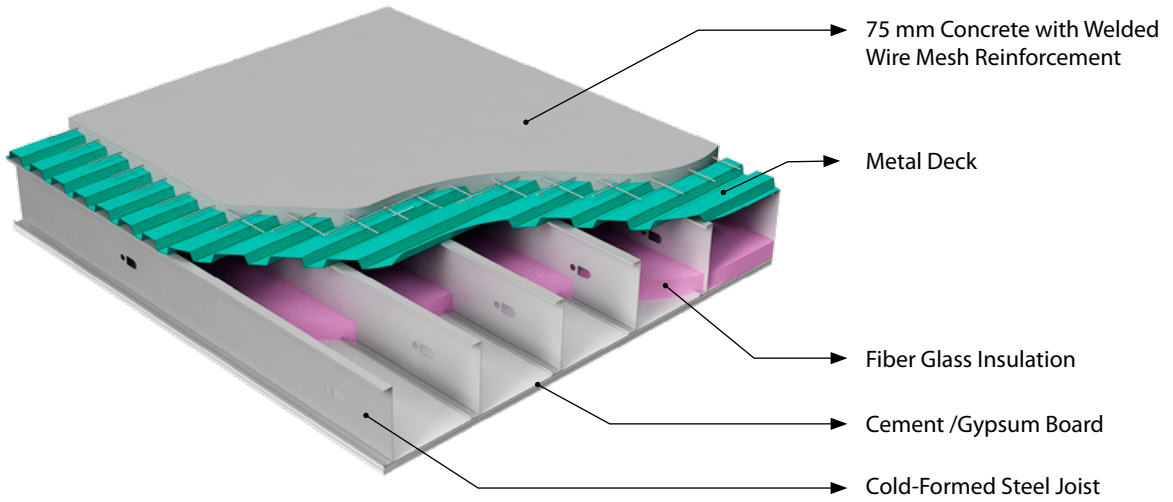
Complex Trusses

# Solutions

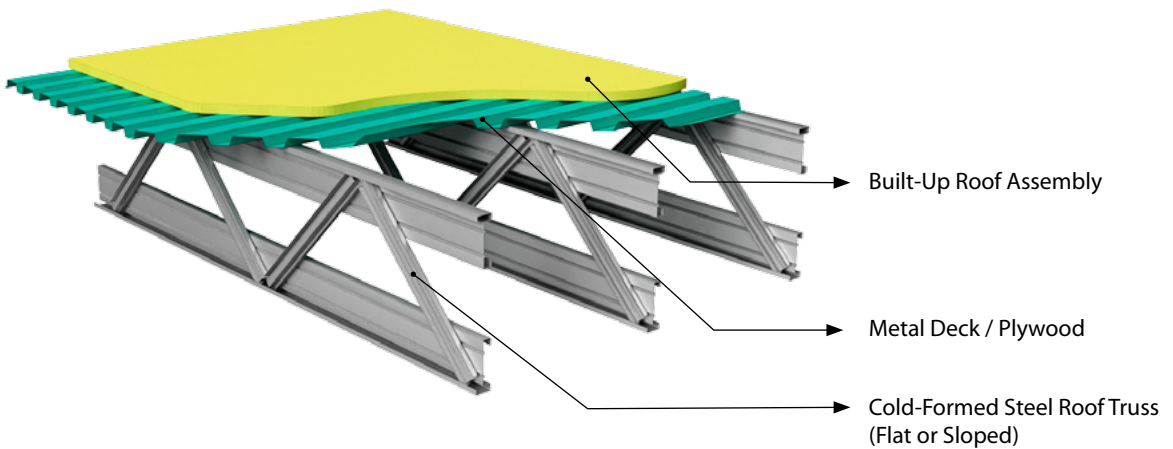
## WALL SOLUTION



## FLOOR SOLUTION



## ROOF SOLUTION



# Villa Models

300 SERIES



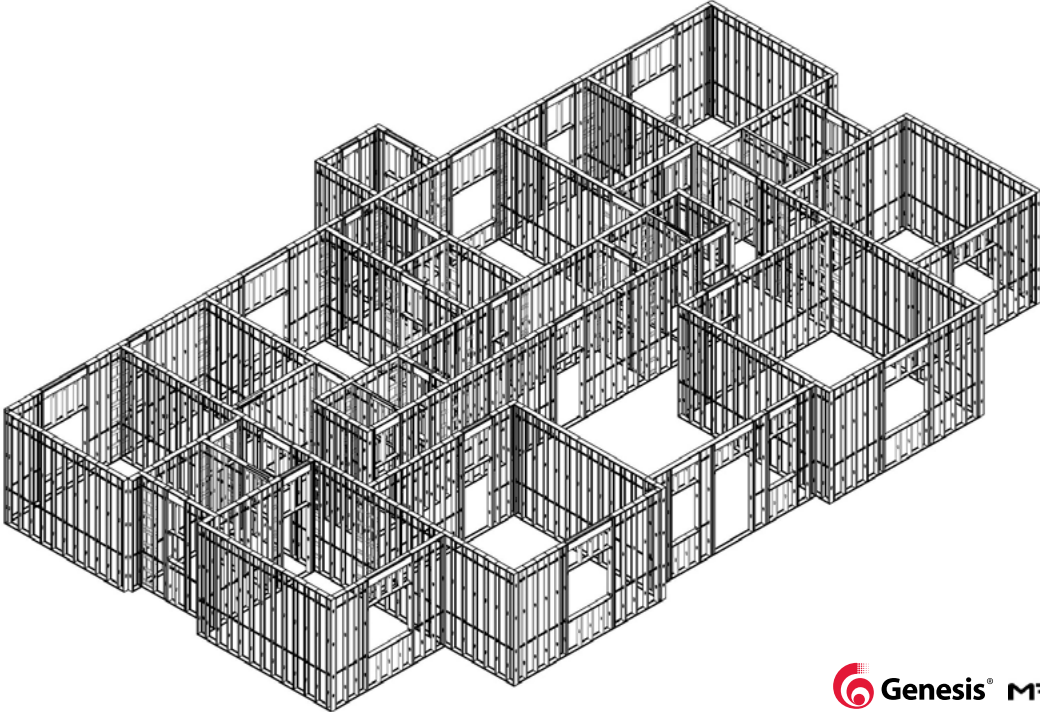
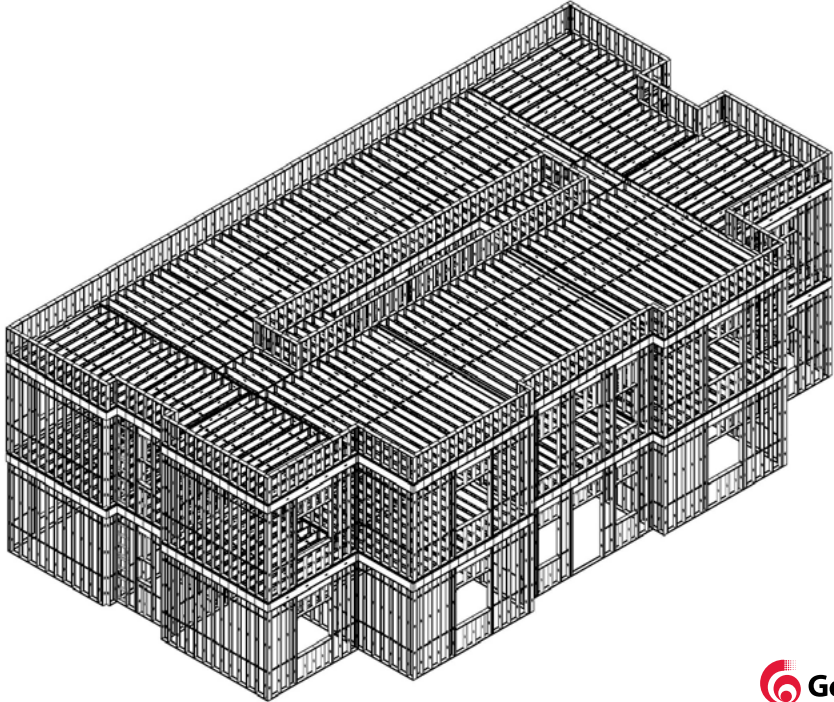
450 SERIES



500 SERIES



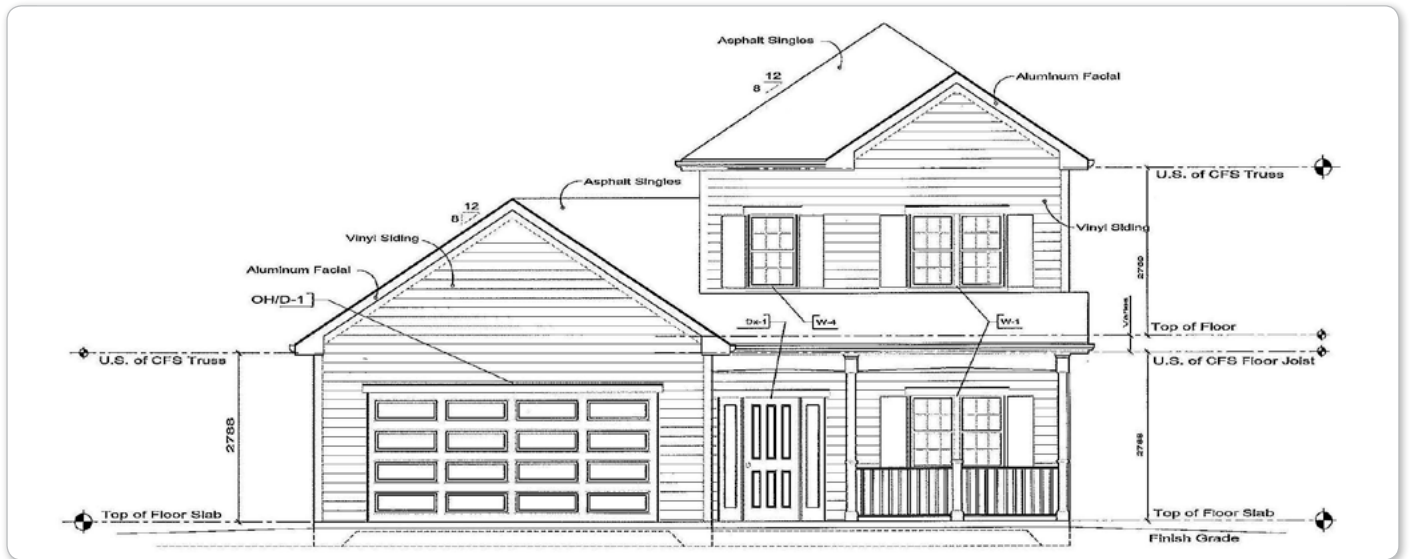
By Using Framebuilder™ software, Genesis Manazil can generate any type of building with high degree of accuracy.



# Unbeatable Delivery Schedule

Genesis Manazil Green Systems are continuously improved based on a philosophy of on-going innovation, and a clear focus on using the most site-friendly methods of construction. Smart product features are embedded in the systems not only to provide an enhanced assembly experience to all trades but

also to accelerate the erection of any building up to 8-storey high. The accuracy and quality of the products combined with a perfect logistic coordination yield into unbeatable delivery schedules, exceeding any traditional construction expectations.



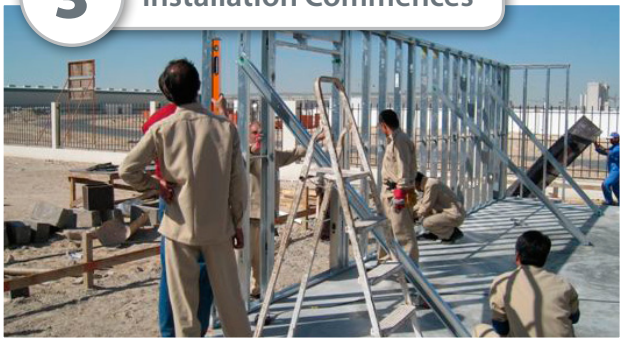
## 1 Starting the Foundation



## 2 Panels Arrive



## 3 Installation Commences



## 4 Assembly Continues





**5**

Engineering Inspects



**6**

Structure complete



**7**

Install Insulation Materials



**8**

Apply External Finishing



**9**

Finished house is ready



# Sample Projects in the UAE



Badr Al Murekhi Villas



Badr Al Murekhi Villas



Fahd Al Matooq Villas



Fahd Al Matooq Villas



Rukaya Al Muhairy Villa



Rukaya Al Muhairy Villa



Masdar Institute



Masdar Institute



CID



Traffic Institute



Nasser Al Reyami Villas



Nasser Al Reyami Villas



# Pre-insulated Systems Ready for Finishing

Light steel structures provides full flexibility in terms of building envelope giving Manazel Steel Framing's customers the advantage to get the panelized systems insulated and finished on site. Genesis® Green Systems offer a variety of pre-engineered options for sound, thermal and fire insulation combined with finish fascias so the occupant's comfort and exterior preference can be met.

## Sheathing Products



OSB



Plywood



Densglass™



Drywall / Concrete Board

## Insulation Products



EPS Insulation



XPS Insulation

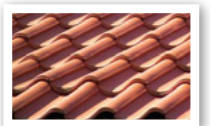
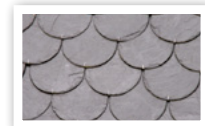
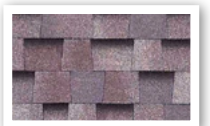


Blueskin



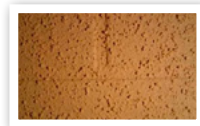
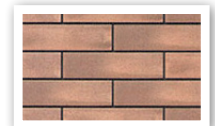
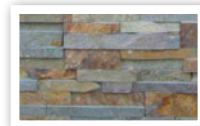
Fiberglass Insulation

## Roof Finish Options\*



	Substrate/Sheathing Options	Finish Options
<b>Slope Roofs</b>	OSB	Asphalt shingles Cedar Shake Standing Seam/Metal/Copper Clay/Slate/Concrete Tiles
	Plywood	
	Structural Insulated Panel (SIP)	
	Metal Deck	
<b>Flat Roofs</b>	OSB	Asphalt Mopped Felt System Green Roof Ballast EPDM/PVC/TPO/CSPE Cool Roof (white acrylic)
	Plywood	
	Structural Insulated Panel (SIP)	
	Metal Deck	
	EPS/EPDM built-up rubber membrane	
	Standing Seam	
<b>Floors</b>	OSB	Carpet Ceramic Tiles / Marble Traditional Hardwood / Bamboo Engineered Wood / Laminate VCT Polished Concrete
	Plywood	
	Metal Deck & Concrete	
	Metal Deck	
<b>Walls</b>	Rigid	Brick EIFS Siding Stucco Hardi Plank Siding
	OSB or Plywood or Bamboo	
	Densglass	

## Wall Finish Options\*



\*Sample finish options only.

# Genesis Manazil Steel Framing Can Build a Wide Range of Projects up to 8 Storeys using Genesis® Structural Systems

## RESIDENTIAL



## GOVERNMENTAL OFFICES



## INSTITUTIONAL AND COMMERCIAL



# Governmental Approvals

Emirate of Abu Dhabi  
Department of  
Municipalities and Agriculture  
Abu Dhabi Municipality



الإمارات العربية المتحدة  
دولة الإمارات العربية المتحدة  
بلدية أبوظبي

الرقم: ق/ت/ب/١/ ٧٩٤٦  
التاريخ: ٢٠٠٧/٨/٢٥

السادة / خليفة الفهد للمقاولات  
المحترمين

تحية طيبة وبعد ،،،،

**الموضوع : المباني السكنية من الحديد المشكل خفيف الوزن**

إشارة إلى كتابكم بتاريخ ٢٠٠٧/٧/١٧ بخصوص الموضوع اعلاه ، نفيديكم علما بأنه تم دراسة المخططات الإنشائية لنموذج المباني السكنية من الحديد المشكل خفيف الوزن ، ولا مانع من ترخيصه على ان يتم تقديم التصميم الفنية لكل مشروع لغرض الاعتماد في حينه .

واقبلوا تحياتنا ،،،،

م/ خلفان سلطان التميمي  
مدير إدارة تراخيص البناء  
قطاع تخطيط المدن والمساحة

United Arab Emirates  
Ministry of Interior



دولة الإمارات العربية المتحدة  
وزارة الداخلية  
إدارة الدفاع المدني أبوظبي  
قسم الوقاية والسلامة

الرقم: ٤٥١١٧١ ٥ -  
التاريخ: ١٥ / ١٩ / ٢٠٠٨ م  
الموافق: ١٥ / ١٩ / ٢٠٠٨ م

السادة / مصنع منازل للهياكل الحديدية  
المحترمين

**الموضوع / موافقة على مواصفات فنية**

الإشارة:- كتابكم رقم AD / KF / 2008/268 تاريخ 2008/10/28

إذ يباع من الموافقة على ( المواصفات الفنية ) للمواد المستخدمة في تصنيع المباني من الهياكل الحديدية المقدمة من قبلكم .

تعتبر هذه الموافقة على المواصفات الموضحة أعلاه شرعية إلا أن لا يجوز بالاستعانة بالمواد التي لا ( NFPA = 5000 ) وفي حال قيامكم بإجراء أي تعديل على المواصفات المقدمة عليكم مراجعة الدفاع المدني للاضطلاع .

وتفضلوا بقبول فائق الاحترام .



مدير إدارة الدفاع المدني أبوظبي  
الوقاية والسلامة

نسخة في :-  
• ملفكم

Ports, Customs & Free Zone Corporation  
مؤسسة الموانئ والجمارك والمنطقة الحرة

02 April 2008


Manzil Steel Framing  
P.O. Box: 364  
Abu Dhabi  
Email: alimohsin@kf.ac

Subject: Manzil Steel Framing Building System


Dear Sirs,

The building system "Genesta" manufactured by Manzil steel framing- Abu Dhabi has been reviewed and found to be satisfactory for the CED prequalification requirements. This prequalification is, however, subject to building permit review/approval prior to use in any particular project.

Yours faithfully,



Madha Salem  
Contracts & Procurements Manager  
Phone: + 971 4 808 0173  
E-mail: madha.salem@dubaiworld.ac



إدارة الهندسة المعمارية  
مبنى: ٣٦٤، صندوق البريد: ٣٦٤، أبو ظبي، الإمارات العربية المتحدة  
هاتف: +٩٧١-٤-٨٠٨٠١٧٣، فاكس: +٩٧١-٤-٨٠٨٠١٧٣  
www.dubaiworld.ac

CIVIL ENGINEERING DEPARTMENT  
P.O. Box 13700, Dubai, United Arab Emirates  
Tel : +971-4-8080173, Fax : +971-4-8080173  
www.dubaiworld.ac

Working Hours: 07.30-13.00 and 13.30 to 16.00  
Sunday to Thursday

المؤسسة العليا للمناطق الاقتصادية المتخصصة  
Higher Corporation For Specialized Economic Zones



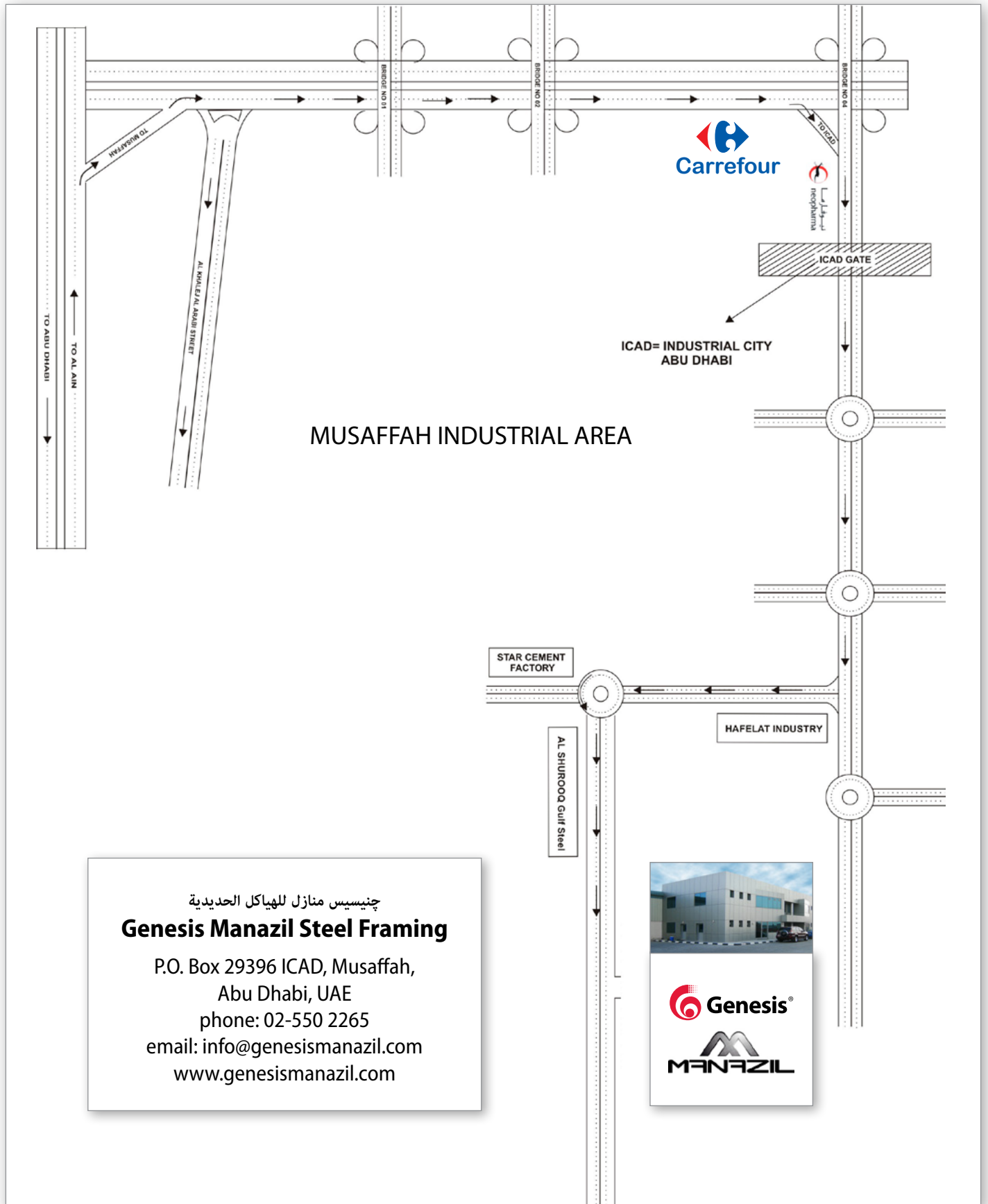
INDUSTRIAL LICENSE  
رخصة صناعية دائمة  
رقم الرخصة: 1190

Legal Type	1	شركة ذات مسؤولية محدودة
First Issue Date	03/01/2006	التاريخ أول إصدار
Issue Date	26/11/2009	التاريخ الإصدار
Expiry Date	24/11/2010	التاريخ الانتهاء
Environment No.	837	رقم الترخيص البيئي
ADDCI No.		رقم الترخيص التجاري
Trade Name No.	393734	رقم الترخيص التجاري
Trade Name	MANZIL STEEL FRAMING FACTORY LLC	اسم صاحب المنشأة / الشركاء
Location	Industrial City of Abu Dhabi ( IC2 )	موقع المنشأة
Owner(s) / Partner(s)		اسم الشركاء / الشركاء
Nationality	الجنسية	الجنسية
Share (%)		نسبة الحصة
1.00	United Arab Emirates	ABDULLA KHALIFA AHMED MOHAMED AL FARHAD ALMEHREZI
99.00	United Arab Emirates	AL FARHAD HOLDING REAL ESTATE INVESTMENT COMPANY
Activities		النشاط
Activity	Pre-Fabricated Buildings Manufacturing	النشاط
Products		المنتجات
Product	Pre-fabricated Metal Buildings (Assembly)	المنتجات

Environment Conditions are attached

www.zonescorp.com

# Location Map





## Contact Us

Genesis Manazil Steel Framing provides world leading structural solutions, technologies and expertise. Starting from the architectural drawings all the way to inspecting the finished LSF structure, Genesis Manazil Steel Framing delivers complete turnkey solutions to cost-conscious real estate developers and construction companies eager to join the green building revolution.

For more information, please contact us at:

[www.genesismanazil.com](http://www.genesismanazil.com)

Email: [info@genesismanazil.com](mailto:info@genesismanazil.com)

▶ Phone: 02-550 2265

▶ Fax: 02-550 2265

▶ P.O. Box 29396 ICAD,  
Musaffah, Abu Dhabi,  
United Arab Emirates



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