



ICPM -INVESTMENT CO. FOR PRODUCTION &MANUFACTURING ALMARASEM AFILLIATED COMPANY





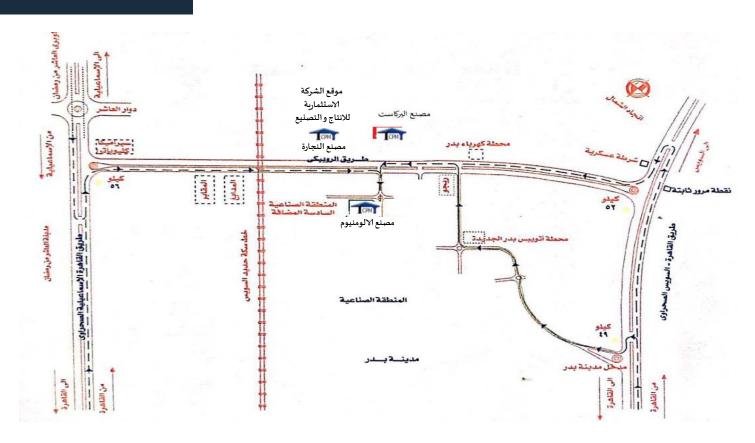
ICPM INFO



COMPANY NAME	INVESTMENT CO. FOR PRODUCTION &MANUFACTURING(ICPM(
Year of Establishment	JANUARY 1998
Legal Form:	PRIVATE JOINT STOCK COMPANY (SAE(AS PER THE PROVISIONS OF LAW 08 #of YEAR1997
Country of Registration/ Regis:#.	ARAB REPUBLIC OF EGYPT ³⁸⁰ /
Description of company core Business activities	ALUMINUM - STEEL -PRECAST -CEMENTITIOUS -WOODEN AND CARPENTRY
OfficeAddress(PLANTS):	(BADR CITY -INDUSTRIAL ZONE#) 6ROUBAIKY ROAD FROM CAIRO -SUEZ ROAD
Office Address (READY MIX CONCRETE SECTION):	PARCEL 77NEW CAIRO CITY, THIRD SETTLEMENT KAMAEN ELGEER DISTRICT, SOKHNA KATAMEYA ROAD.
Tel:	(202+) 23108095 - 23108236 - 23108378 - 23108376
Email:	infoicpmegypt@icpm-eg.com
ISO Certificates:	SOOT SOOT SOOT SOOT SOOT SOOT SOOT SOOT

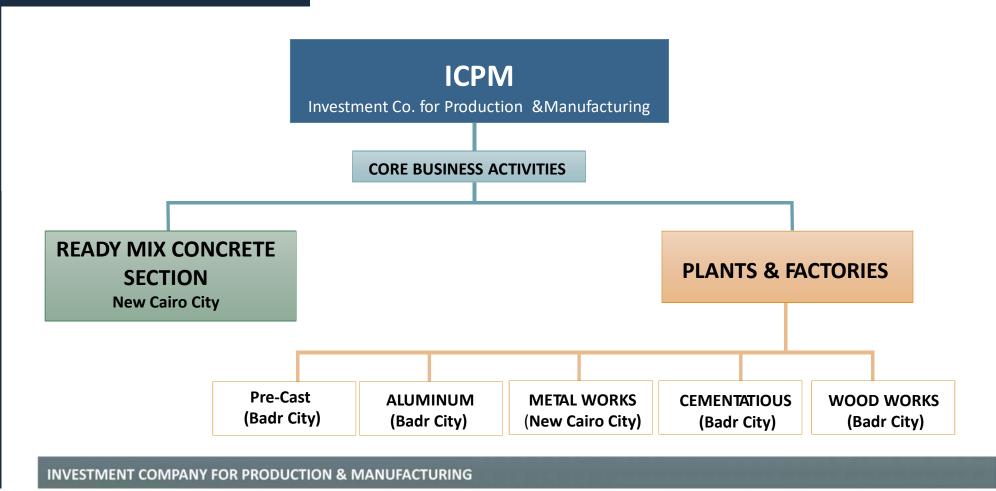


ICPM-Location





<u>ICPM – Core Business Activities</u>





ICPM-QUALITY POLICY

Quality Policy

Investment Company for Production & Manufacturing (ICPM) realizes its responsibilities to provide high quality services in many of Major Construction Projects in the Field of (Pre-cast concrete products, ready mix. Concrete, steel works, Aluminum works, Cementations block, Tile & Interlock & Wood works).

In order to support our services to satisfy our customers & meeting their expectations we are committed to:

- Establish, implement, maintain, and improve a quality management system to comply with the applicable requirements of International Standard ISO 9001/2010.
- Our culture is to move the emphasis from detection of defects to their prevention. ICPM has concentrated their efforts onto
 efficient planning and sourcing, with effective monitoring of events.
- Provide Framework to Establish and review quality objectives that communicate to the relevant levels and functions in the Company.
- Continually improve our performance by supporting the training activities, Conduct quality management system's internal
 audits & management review, besides establishment of data base for monitoring & measurement of customers' satisfaction
 services & processes, in addition to apply their data analysis, in order to take the appropriate corrective& preventive actions.



ICPM-OCCUPATIONAL HEALTH

OCCUPATIONAL HEALTH, SAFETY & ENVIRONMENTAL POLICY

Investment Company for Production & Manufacturing (ICPM), as a one of leading companies in the Egyptian market in the field of (Pre-cast concrete products, ready mix. Concrete, steel works, Aluminum works, Comentations block, Tile & Interlock & Wood works).

And for the great attention paid by the company towards OCCUPATIONAL HEALTH, SAFETY & ENVIRONMENTAL; is undertaking to:

- Protecting the Environment from pollution inside the company, especially water pollution resulted from construction processes, the emissions generated from
 equipments exhaust, noises, and solid waste known by their adverse effects in the environment. ICPM is doing its best efforts to mitigate these effects by providing an
 environment free of health hazards that causing injuries to workers or publics as a result of work or occupational diseases.
- · Recognizing the importance of consultation, communications and participation for effective management.
- Preventing incident and work related ill health, investigating any incidents that do occur and implementing any corrective actions identified.
- · Following HSE procedures with all employees, suppliers, contractors & customers.
- Complying fully with all relevant HSE applicable laws, regulations, standards and other requirements.
- Providing the framework for setting and reviewing objectives & targets that can be measured to all activities related to HSE.
- · Planning and implementing the HSE management system, regular internal audits and reviews by the top management.
- Commitment to continual improvement in implementation the methodology and plans against incidents and near misses and preventing pollution and environmental
 protection taking into account the.
- . Commitment to follow the protective methods and eliminating or mitigating HSE risks. Where this is not possible the risk/hazard identified shall be controlled
- Encouraging all ICPM's employees, suppliers, contractors, customers to participate in this commitment.
- Ensuring visitors or members of the public are safeguarded from hazardous operations;
- Informing and promulgating all administrative departments, projects and other interested parties the contents of this policy.

For these, and to ensure the effective implementation of HSE objectives and continual improvement of HSE performance, we established HSE management system based upon the requirements of international standards, OHSAS 18001:2007 & ISO, 14001:2004.

ICPM FACTORY

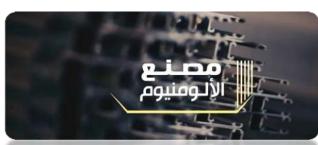


مصانع الشركة الاستثمارية للانتاج و التصنيع















مصانع الشركة الاستثمارية للانتاج و التصنيع







مصنع الاعمال المعدنية

يوجد بمصنع الاعمال المعدنية عدة اقسام

قسم الدهانات

قسم الابواب المقاومة و الغير مقاومة للحريق قسم المشغولات المعدنية

قسم الحديد الانشائي













مصنع الاعمال المعدنية

اولاً -قسم الاعمال الانشائية:

القسم الاول خاص بالاعمال الانشائية بمسطح حوالى ٥٥٠م م بقدرة انتاجية حوالى ٣٥٠٠ طن سنوياً.





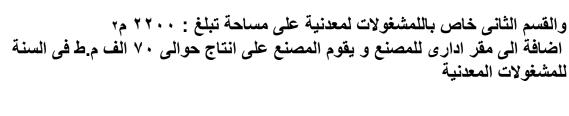








ثانياً -قسم المشغولات المعدنية:

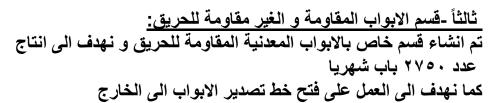


















ICPM STEEL PROJECTS







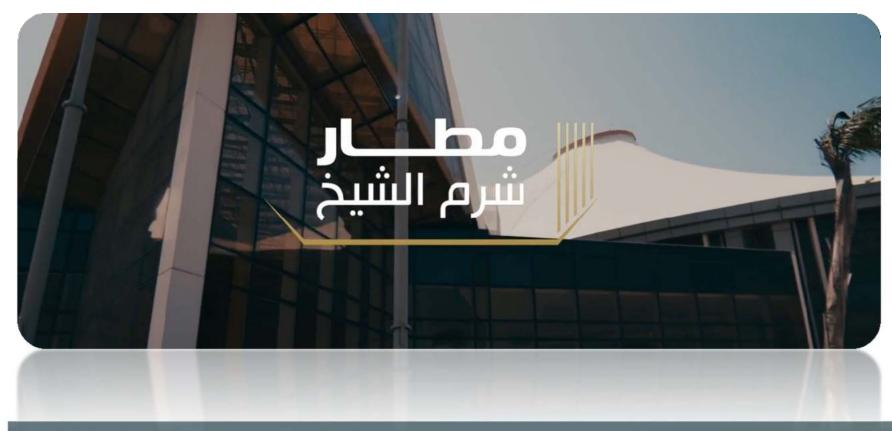
ICPM STEEL PROJECTS AIRPORT















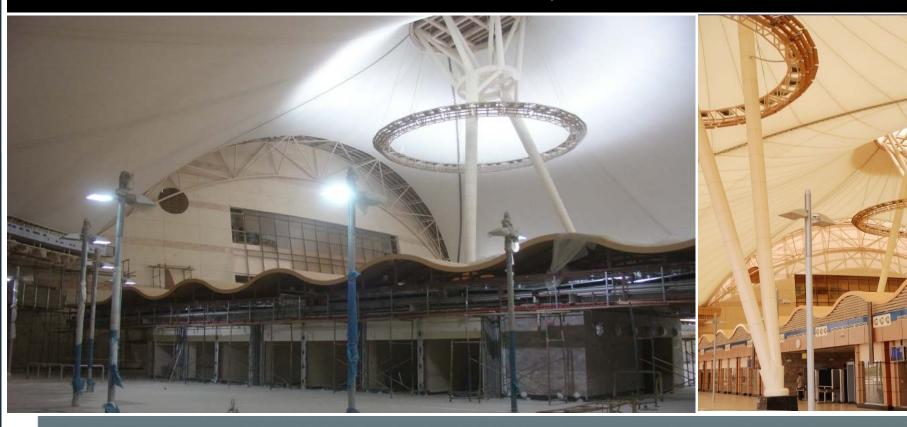
AT SHARM EL SHEIKH AIRPORT	
Client	EGYPTIAN AIRPORTS
	COMPANY
Consultant	DAR AL HANDASAH MAA
Business Execution date	24 /Jun.2007
Project value	34,000,000 L.E
Project area	3000 sq. Meter







Manufacture and installation of decorative chandelier at the airport







Steel Air-Nozzles







Manufacture and installation of decorative chandelier at the airport







Steel Air-Nozzles







Steel Air-Nozzles







Steel Air-Nozzles







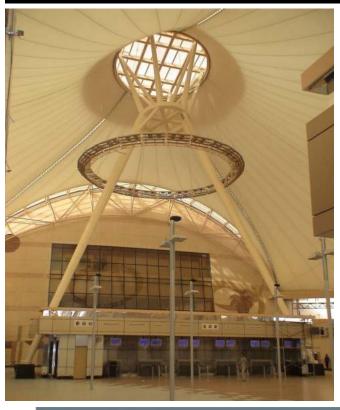
Manufacture and installation of decorative chandelier at the airport







Manufacture and installation of decorative chandelier at the airport









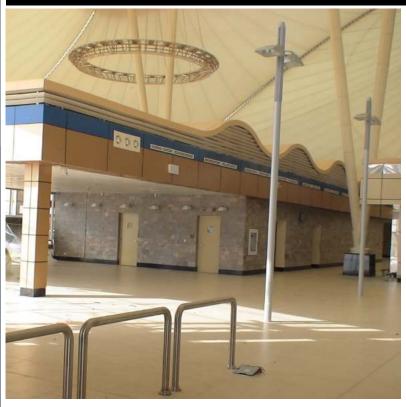
Steel substructure for GRC







Steel substructure for GRC







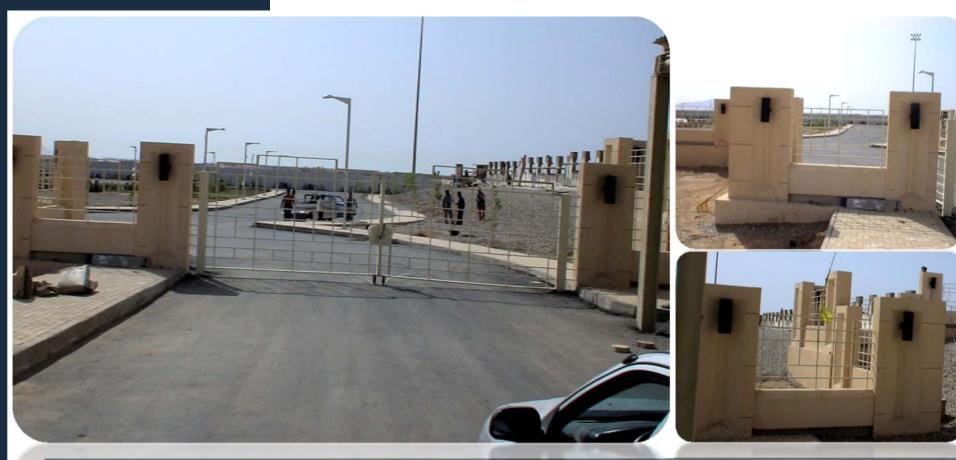


Steel Air-Nozzles





ICPM – Ornamental steel Work SHARM EL SHEIKH AIRPORT



ALMARASEM

ICPM – Ornamental steel Work SHARM EL SHEIKH AIRPORT









ICPM STEEL PROJECTS EL NOZHA AIRPORT









Steel Cladding







Steel Cladding







Steel Cladding







Steel Cladding







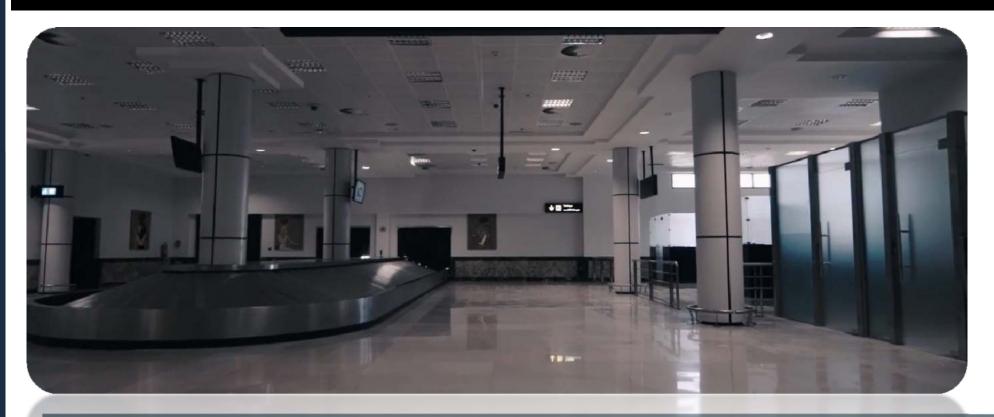
Steel Cladding







Steel Cladding





ICPM –Steel Structure System EL Nozha airport



Steel Cladding





ICPM –Steel Structure System EL Nozha airport



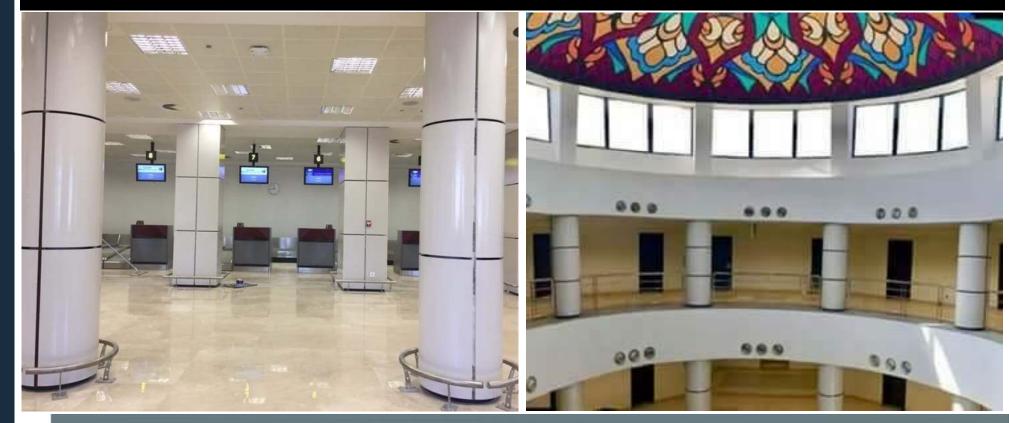
Steel Cladding



ICPM –Steel Structure System EL Nozha airport



Steel Cladding





ICPM –Steel Structure System EL Nozha airport



Steel Cladding

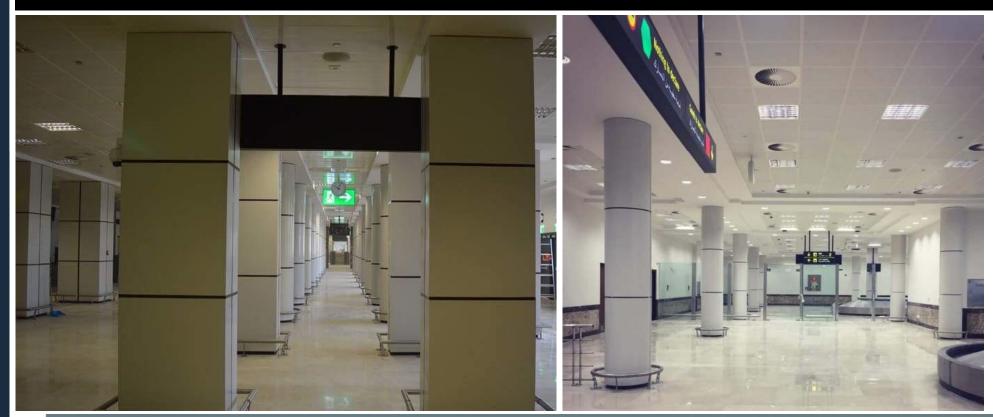




ICPM –Steel Structure System EL Nozha airport



Steel Cladding







CAIRO INTERNATIONAL AIRPORT







CAIRO INTERNATIONAL AIRPORT	
Client	CAIRO, EGYPT CAIRO AIRPORT COMPANY (CAC)
Consultant	EGMAA MAC
Business Execution date	12 /Des.2010
Project value	17,000,000 L.E
Project area	17,000 sq. Meter





















Manufacture and installation of decorative Handrail for the train & rails







Manufacture and installation of decorative Handrail for the train & rails







ICPM STEEL PROJECTS HOTELS

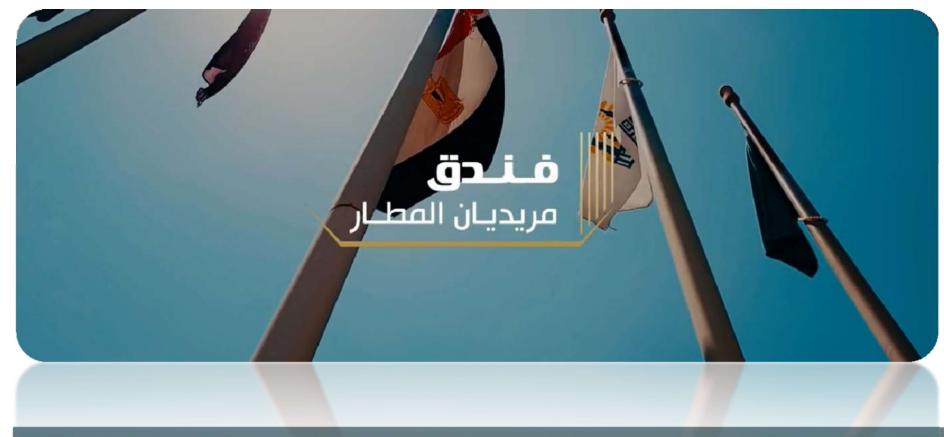






ICPM STEEL PROJECTS HOTELS







Airotel canopy	!
Client	LE MERDIAN - AEROTEL CAIRO INT. AIRPORT NEW HOTEL
Consultant	ECG
Business Execution date	8 /Aug.2013
Project value	1,700,000
Project area	190 sq. Meter











































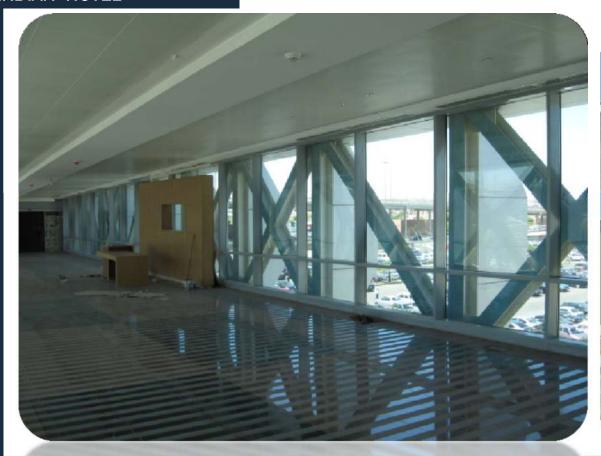
































NEW BALL ROOM – FAIRMONT HOTEL







NEW BALL ROOM —FAIRMONT HOTEL







NEW BALL ROOM -FAIRMONT HOTEL







NEW BALL ROOM -FAIRMONT HOTEL







NEW BALL ROOM -FAIRMONT HOTEL







NEW BALL ROOM -FAIRMONT HOTEL





ICPM STEEL PROJECTS FOUR SEASONS HOTEL

ALMARASEM DEVELOPMENT

FOUR SEASONS HOTEL POOL DECK RESTAURANT	
Client	FOUR SEASONS HOTEL
Consultant	CESD & IDSTUDIO
Business Execution date	2 /Oct.2007
Project value	1,200,000 L.E
Project area	8,500 sq. Meter







ICPM STEEL PROJECTS FOUR SEASONS HOTEL







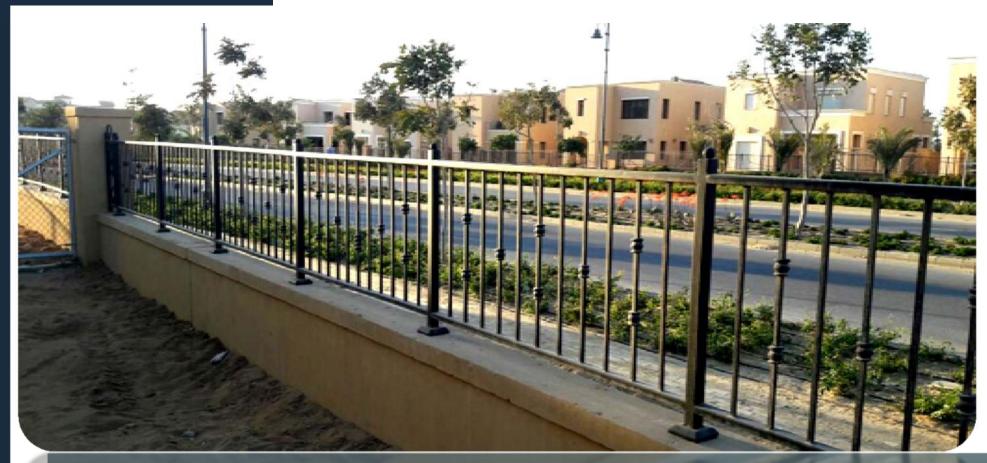
ICPM STEEL PROJECTS RESIDENTIAL COMPLEXES

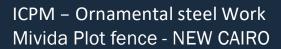






ICPM – Ornamental steel Work Mivida Plot fence - NEW CAIRO









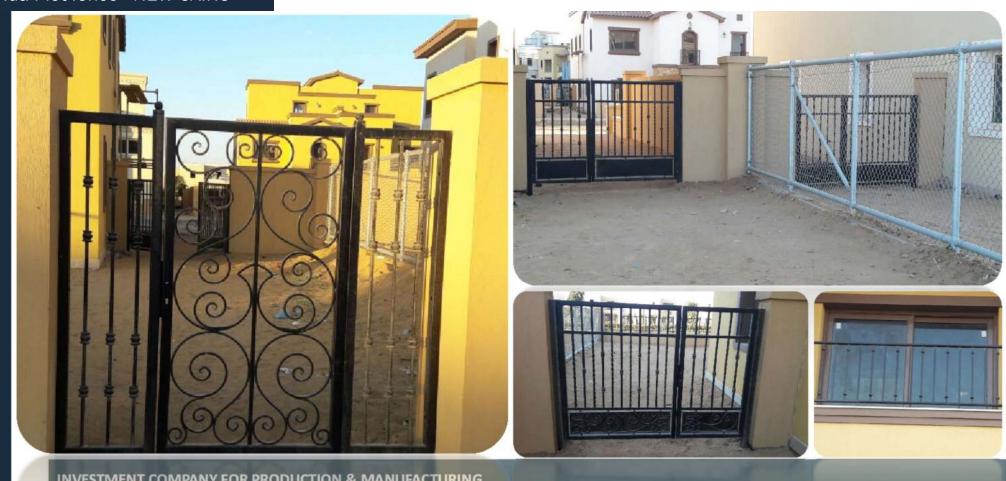
ICPM – Ornamental steel Work Mivida Plot fence - NEW CAIRO







ICPM – Ornamental steel Work Mivida Plot fence - NEW CAIRO















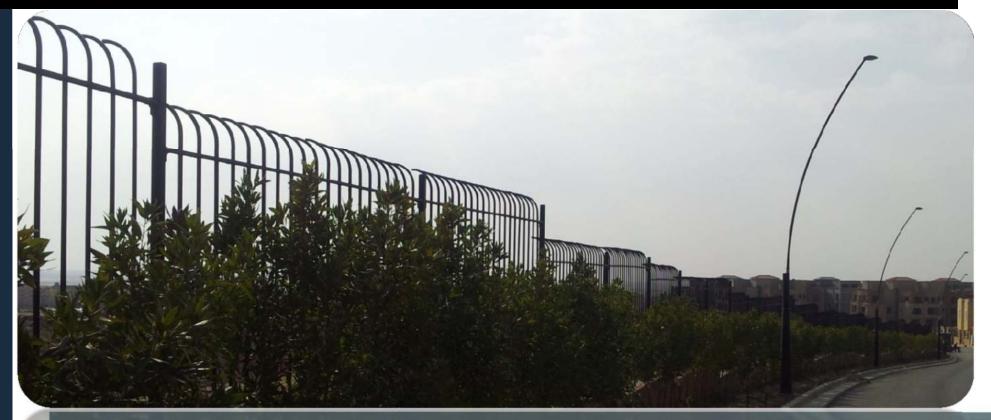
ALLEGRIA RESEDENTIAL COMPOUND – SHEIKH ZAYED CITY







ALLEGRIA OUTER STEEL FENCE—SHEIKH ZAYED CITY





ALLEGRIA OUTER STEEL FENCE- SHEIKH ZAYED CITY









ALLEGRIA OUTER STEEL FENCE- SHEIKH ZAYED CITY





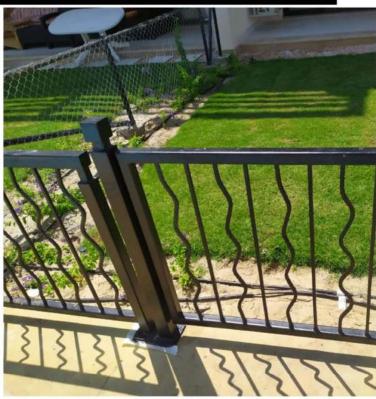
ICPM – Ornamental steel Work MARASSI BLANCA



MARASSI BLANCA -NORTH COAST





































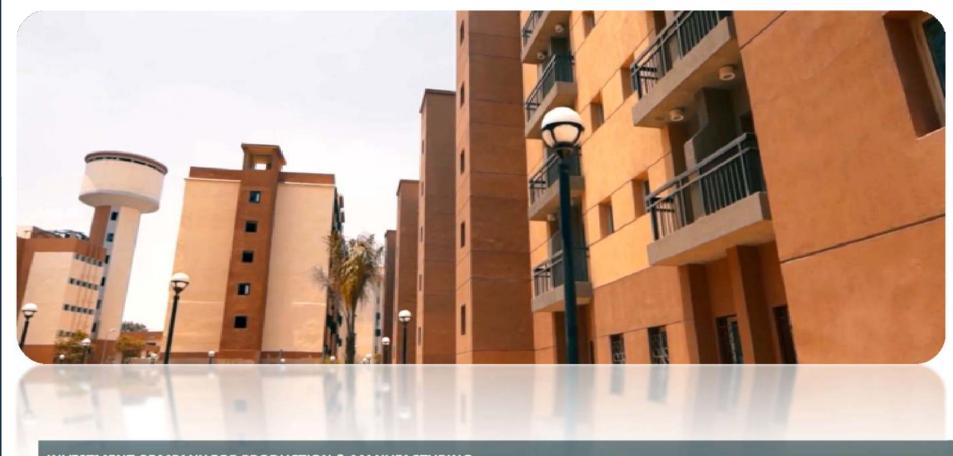












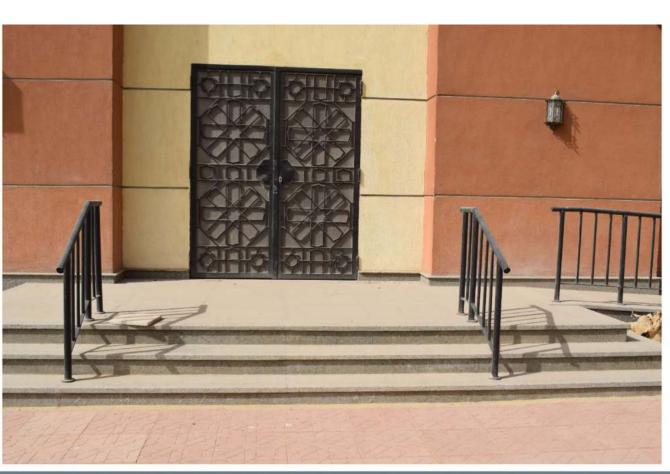




ALMARASEM DEVELOPMENT

ICPM STEEL PROJECTS SPECIAL PROJECTS





ALMARASEM

ICPM STEEL PROJECTS SPECIAL PROJECTS

















ICPM –Steel Structure System ALAZHR STUDIOS

ALAZHR STUDIOS	
Client	AL-AZHAR
Consultant	DIYAR
Business Execution date	3 /MAY.2017
Project value	1,668,861
Project area	182 sq. Meter

















ICPM –Steel Structure System ALAZHR STUDIOS







ICPM – Ornamental steel Work Pharmacy & dentistry University















Central Park	
Client	ministry of housing utilities and urban communities
Consultant	DAR
Business Execution date	02/DEC.2019



Steel Structure System

























Steel Structure System







Steel Structure System







Steel Structure System









Steel Structure System











































Steel Structure System

















Steel Structure System













Steel Structure System







Steel Structure System













Steel Structure System







Steel Structure System



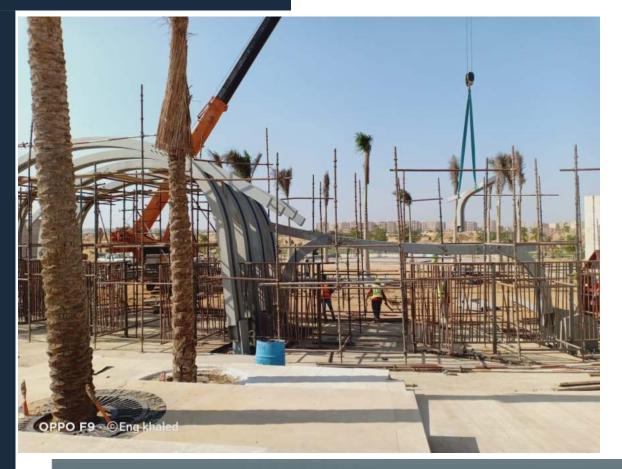




Steel Structure System









Steel Structure System









Steel Structure System







Steel Structure System















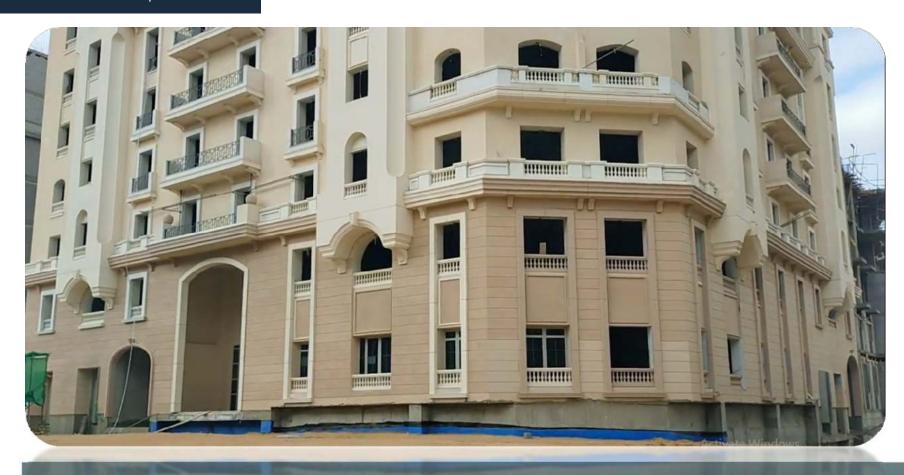






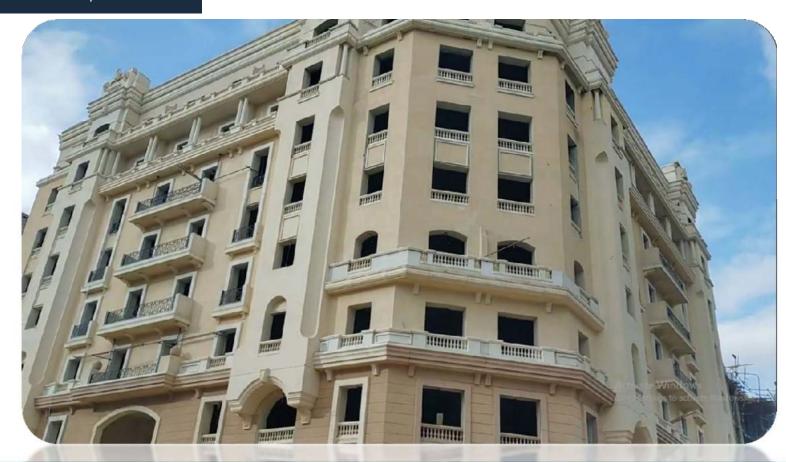




















ICPM –Steel Structure System HORSE ARINA

ALMARASEM DEVELOPMENT Steel Structure System

HORSE ARINA	
Client	Rabab Farm
Consultant	COSMOS-E
Business Execution date	15/JUL.2018
Project value	9,300,000 L.E
Project area	5500 sq. Meter





ICPM –Steel Structure System HORSE ARINA







ICPM –Steel Structure System The Board of Trustees Building

ALMARASEM		
DEVELOPMENT		

The Board of Trustees Building	
Client	The Board of Trustees
Consultant	New Cairo's Government Office
Business Execution date	4 /APR.2019
Project value	1,668,861
Project area	182 sq. Meter









ICPM –Steel Structure System The Board of Trustees Building









ICPM – Ornamental steel Work AI –BURUJ PROJECT



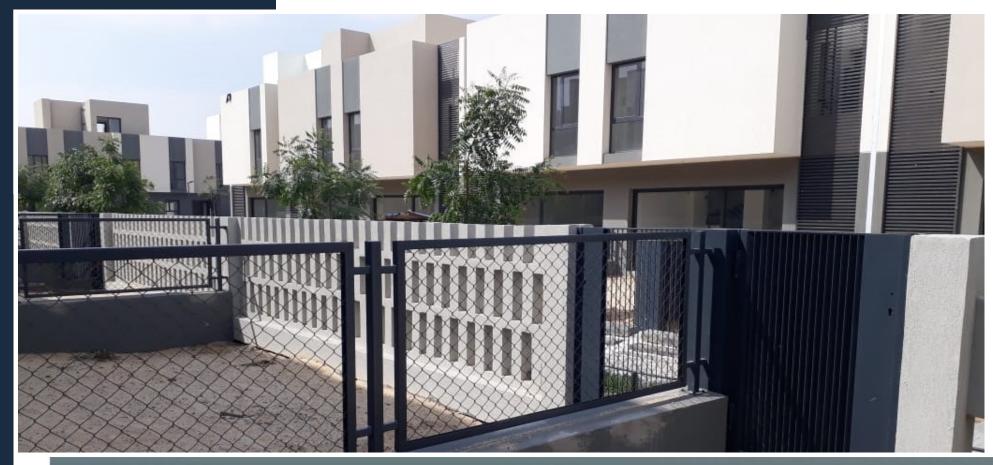


ICPM – Ornamental steel Work AI –BURUJ PROJECT





ICPM – Ornamental steel Work AI –BURUJ PROJECT



ALMARASEM DEVELOPMENT

ICPM – Ornamental steel Work AI –BURUJ PROJECT





ICPM – Service steel Doors UPTOWN CAIRO RESIDENTIAL BUILDINGS









ICPM – Service steel Doors UPTOWN CAIRO RESIDENTIAL BUILDINGS









ICPM – Service steel Doors UPTOWN CAIRO RESIDENTIAL BUILDINGS









ICPM – Service steel Doors ALEX-Blanca Hub Building









ICPM -Steel Factory

Experience Record



CAIRO INTERNATIONAL AIRPORT



SHARM EL SHEIKH AIRPORT



ALLERGRIA



FOUR SEASONS HOTEL



AL AZHAR



AEROTEL

ALMARASEM DEVELOPMENT

ICPM - Steel Factory

Experience Record



RABAB HORSE ARINA



RABAB HORSE ARINA



UPTOWN CAIRP STEEL DOORS



FUCULTY OF PHARMASY - ALAZHAR



PALM HILLS



ALAZHR STUDIOS



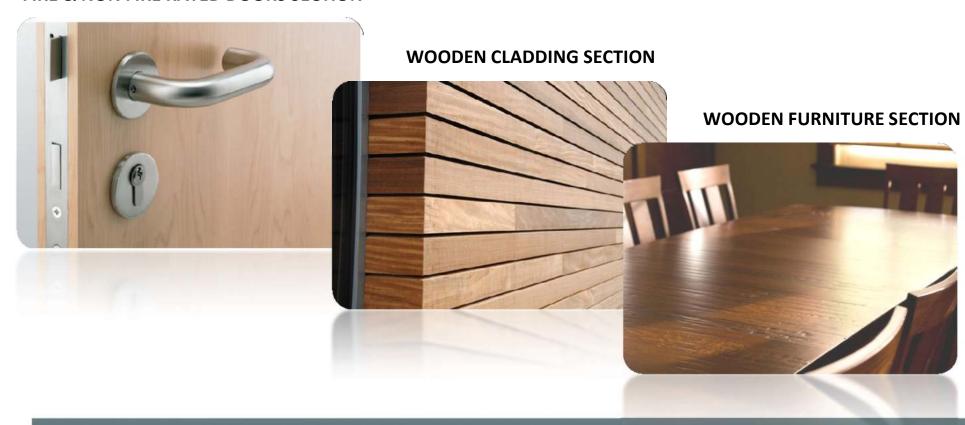




ICPM STEEL FACTORY



FIRE & NON FIRE RATED DOORS SECTION





ICPM WOODEN WORKS

Production of woodworks characterized with its various modern and special designs, using natural wood such as Oak, Mahogany and the like or by using artificial wood as Medium Density Fibers (MDF) and High Density Fibers (HDF).





ICPM WOODEN WORKS

Three integrated production lines, consisting of a full range of piston machines for assembly horizontal and champaran machines, abrasive wheels, crust cut and sew, as well as other advanced technology machinery such as the router machine that is fully automated to form and drill all designs on all wood products.

Our capability is 4500 m3/year plant which encompasses 6000 square meters of indoor and outdoor working and storage space as well as 12,000 square meters.







FIRE & NON FIRE RATED DOORS SECTION



FIRE RATED DOORS CERTIFICATES



intertek

Certificate of Compliance



WH Service Mark 2014 for Category D -

Door/frame Assemblies, Doors

Certificate number: WHI19-33140411

Organization: Investment Company for Production & Manufacturing

Plot 1, 2, 3 & 4, Industrial Zone El Rowbiky Road, Badr City Cairo Egypt

Product: Halspan 60 Optima Fire Rated Wood Door Assembly Spec 80: 3078 Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc. Initial registration: March 25, 2019 Date of expiry: December 31, 2022

> Authorized By: Jenn-Philippe Keyl, Director of Certification

Intertol: resting Scrinces NA, Inc.
141 F. Algerig in Road, Str. 11, Adirector Height, II 1000° USA
Phone, 547-499-5667 Feb. 647-499-7520

intertek



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Certificate of Compliance

You have been awarded: WH Service Mark 2014 for Category D -Door/frame Assemblies, Doors

Standards: BS 476 Part 22 (1967) Certificate number: WHI19-33140407

Organization: Investment Company for Production & Manufacturing (ICPM)

Plot 1, 2, 3 & 4, Industrial Zone El Rowbiky Road, Badr City Cairo Egypt

Product: Halspan 30 Prima and Halspan 30 Prima Plus Fire Rated Door Assembly Spec 40: 33154 Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc. Initial registration: March 25, 2019 Date of expiry: December 31, 2022 Issue status: 4

Authorized By: Linestor of Certification

Intertot: Idating Stormaco NA, Inc. 141 F. Algorigian Road, Str. II., Adiagnos Heights, II. 1616/14164. Physics 347-439-5887. Fax. 847-438-7320

intertek

Certificate of Compliance

You have been awarded: WH Service Mark 2014 for Category D -Door/frame Assemblies, Doors

Certificate number: WHI19-33140409

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Organization: Investment Company for Production & Manufacturing

Plot 1, 2, 3 & 4, Industrial Zone El Rowbiky Road, Badr City Egypt

Product: Halspan 90 Fire Rated Wood Door Assembly

Spec 82: 33075 Listing information: See following page(s)

Certification body: Intertek Testing Services NA, Inc. Initial registration: March 25, 2019 Date of expiry: December 31, 2022 Issue status: 4

Authorized By:

Jenn-Philippe Rays, Streeths of Certification

Interest Teating Services NA, Inc.

141 F. Algarquin Road, Str. 11, Adiagnos Leighte, 8, 16060 1814

Phone, 947-439-9687, Fed. 847-439-7323

Investment Company for Production & Manufacturing (ICPM) | 33075 | Rev. Jan 10 2022 3:21AM | Uncontrolled Copy Page 1 of 10

FIRE RATED DOORS CERTIFICATES



intertek

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Certificate of Compliance

You have been awarded:

WH Service Mark 2014 for Category D -Door/frame Assemblies, Doors

Standards: BS 476 Part 22 (1987)

Certificate number: WHI19-33140410

Organization: Investment Company for Production & Manufacturing

Plot 1, 2, 3 & 4, Industrial Zone El Rowbiky Road, Badr City

Egypt

Product: Halspan 30 Optima Fire Rated Door Assembly Spec 87: 3870 Listing Information: See following page(s)

Certification body: Intertek Testing Services NA, Inc. Initial registration: March 25, 2019 Date of expiry: December 31, 2022 Issue status: 4

> Storage Storage Authorized By: Jean-Philippe Keyl, Director of Certification

Interest Lesting Sciences NA, RC. 141 F. Algorigia Rand, Shi H. Jatington Lleight, II 16161 LISA Phone, 547-439-3667. Fee. 847-439-7520

intertek



Certificate of Compliance

You have been awarded: WH Service Mark 2014 for Category D -Door/frame Assemblies, Doors

Certificate number: WHI19-33140425

Standards: 85 476 Part 22 (1967)

Organization: Investment Company for Production & Manufacturing (ICPM)

Plot 1, 2, 3 & 4, Industrial Zone El Rowbiky Road, Badr City Cairo

Product: Halspan 60 Minute Fire Rated Prima Plus Enhanced Door and Frame Assembly
Spec 40: 36163
Listing Information: See following page(6)

Certification body: Intertek Testing Services NA, Inc. Initial registration: March 25, 2019 Date of expiry: December 31, 2022 Issue status: 4

> HOES . Authorized By: Jenn-Philippe Keyl, Director of Certification

Interfalt Testing Services NA, Inc. 545 F. Algerquin Rend, Ste. II., Adiaglan Heights, II. 16005 USA Phane, 347-439-5987. Fac. 647-439-7323

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Certificate of Compliance

WH Service Mark 2014 for Category D -Door/frame Assemblies, Doors

Certificate number: WHI19-33140438

Organization: Investment Company for Production & Manufacturing

Plot 1, 2, 3 & 4, Industrial Zone El Rowbiky Road, Badr City

Egypt

Issue status: 4

Product: Halspan 90 Prima Plus Spec 87: 42928 Listing information: See following page(s)

Certification body: Intertek Testing Services NA, Inc. Initial registration: March 25, 2019 Date of expiry: December 31, 2022

> Stoos Authorized By:

Montox Testing Services NA, Inc. 141 F. Algerquin Rend, Ste II., Allegter Fleigret, II. 16001 1814. Phone. 347-439-5687. Fax. 647-439-7320

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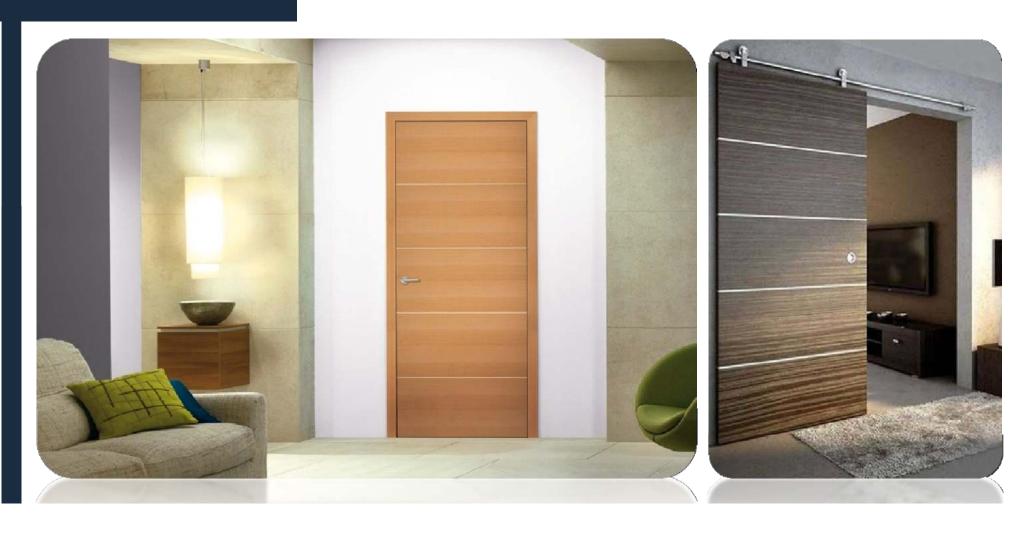




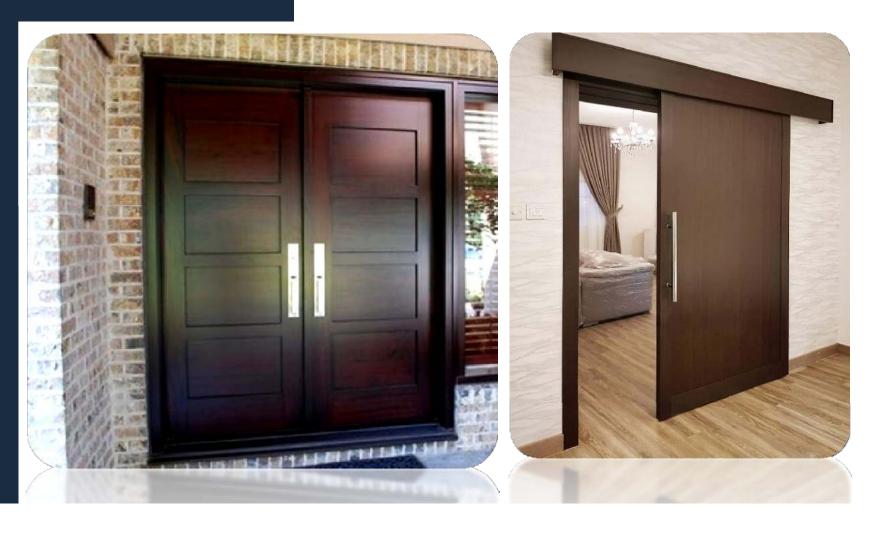


















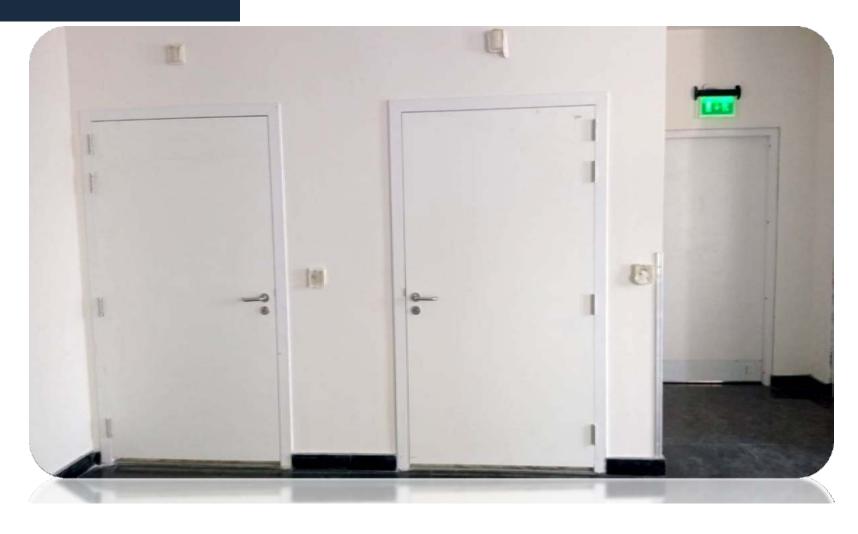












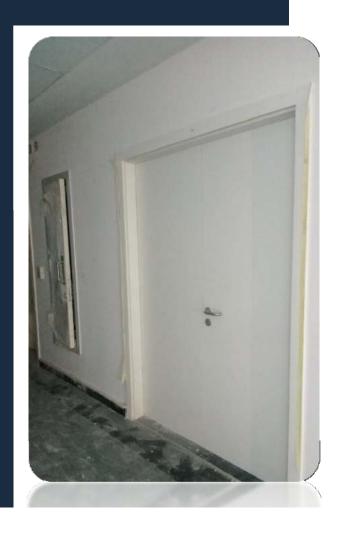




























































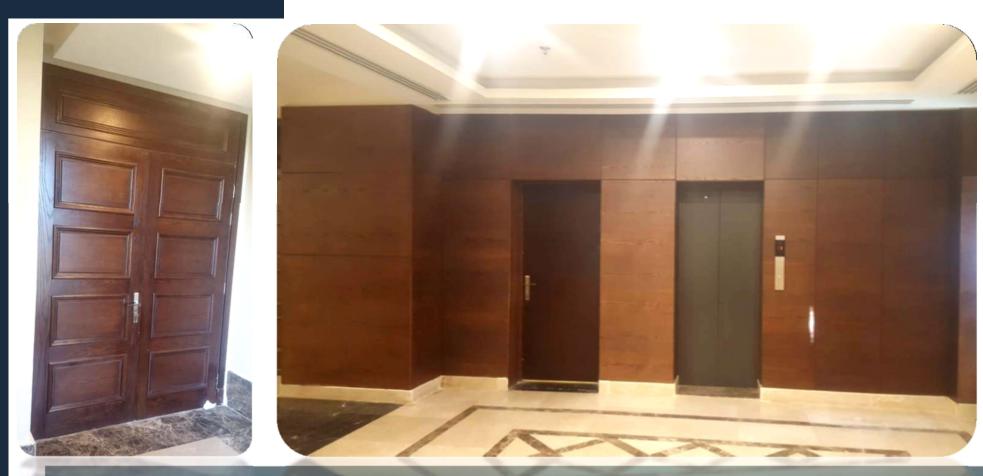




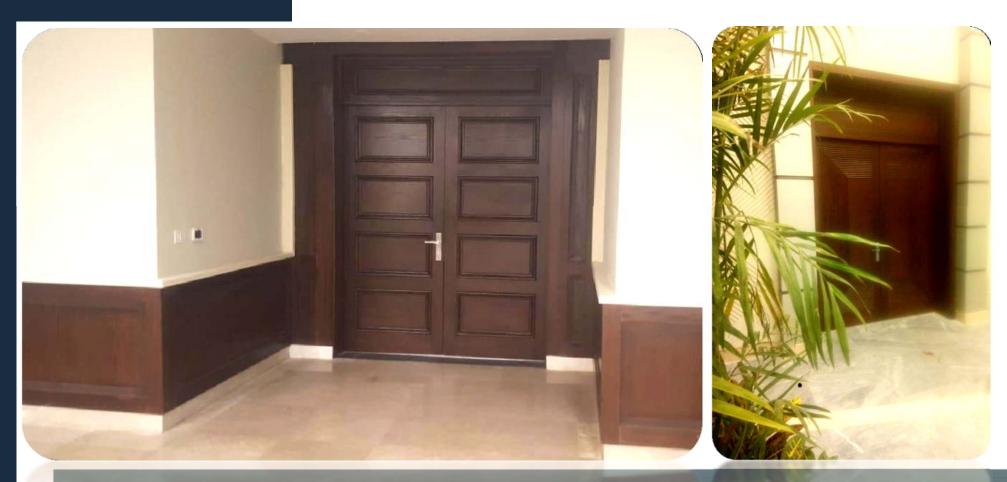




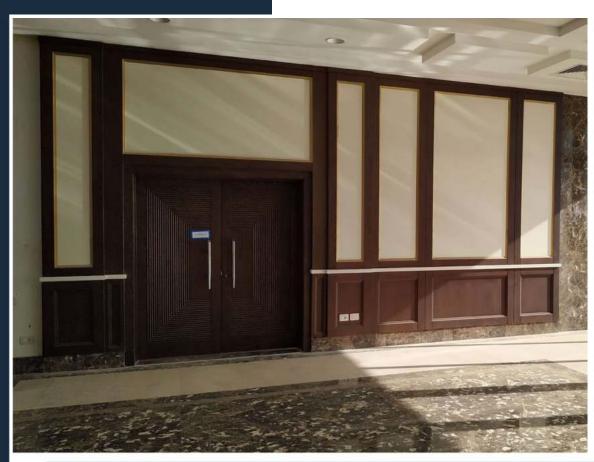


















Wood Works - Experience Record Bernice Convention Hall

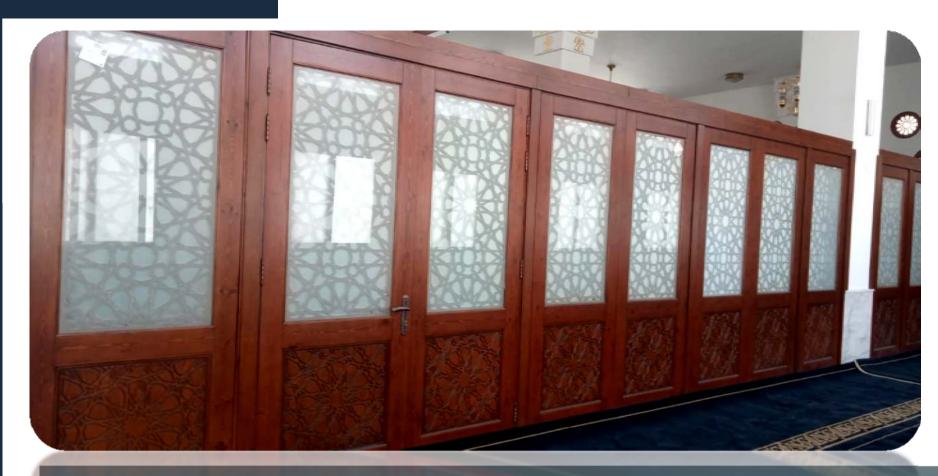






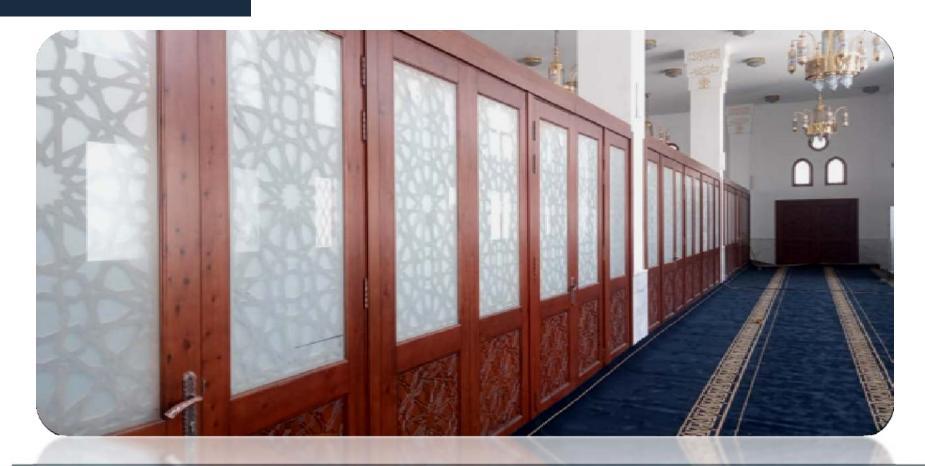
ALMARASEM

DOORS SECTION

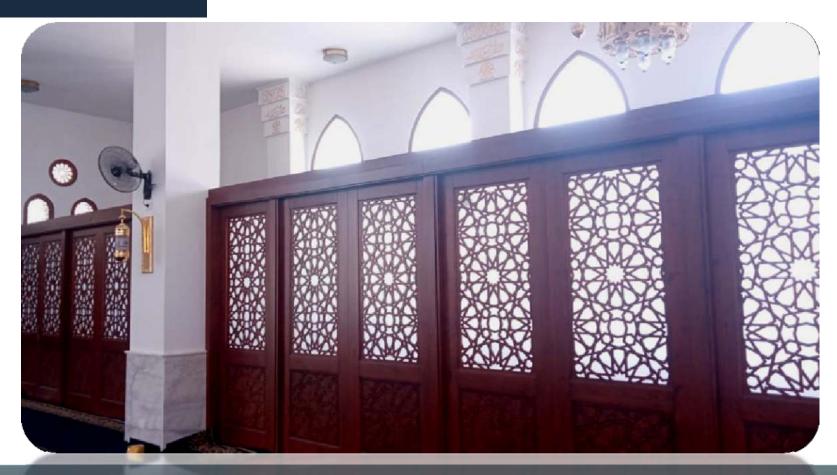


ALMARASEM

DOORS SECTION







DOORS SECTION







ALMARASEM

DOORS SECTION





ICPM WOODEN PROJECTS







ICPM WOODEN WORKS Experience Record



CAIRO INTERNATIONAL AIRPORT



SHARM EL SHEIKH AIRPORT



ALLERGRIA



EMAAR SALES CENTRE UPTOWN CAIRO



HURGHADA AIRPORT



AEROTEL

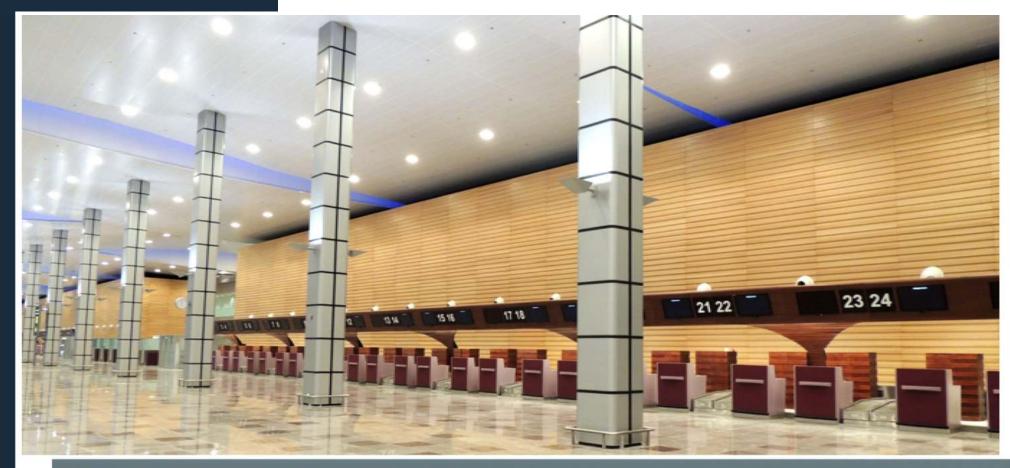
NEW TERMINAL BUILDING HURGHADA AIRPORT





NEW TERMINAL BUILDING HURGHADA AIRPORT





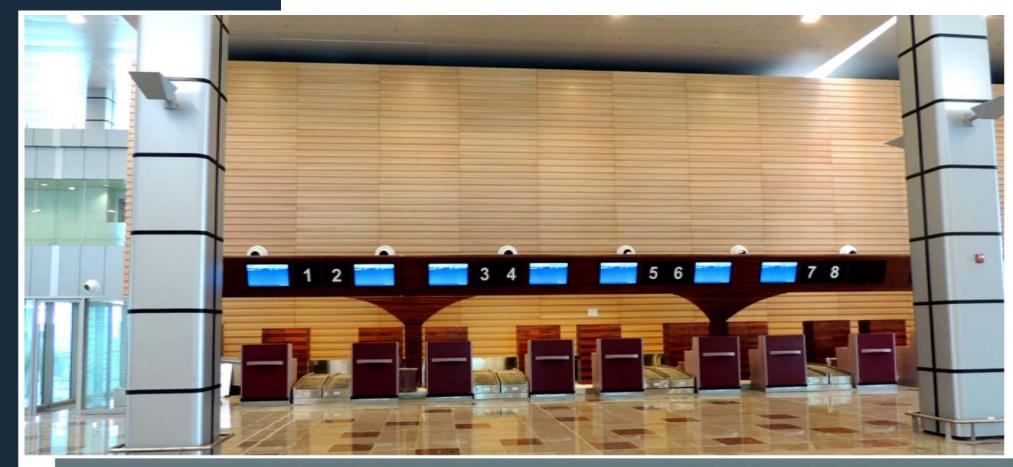
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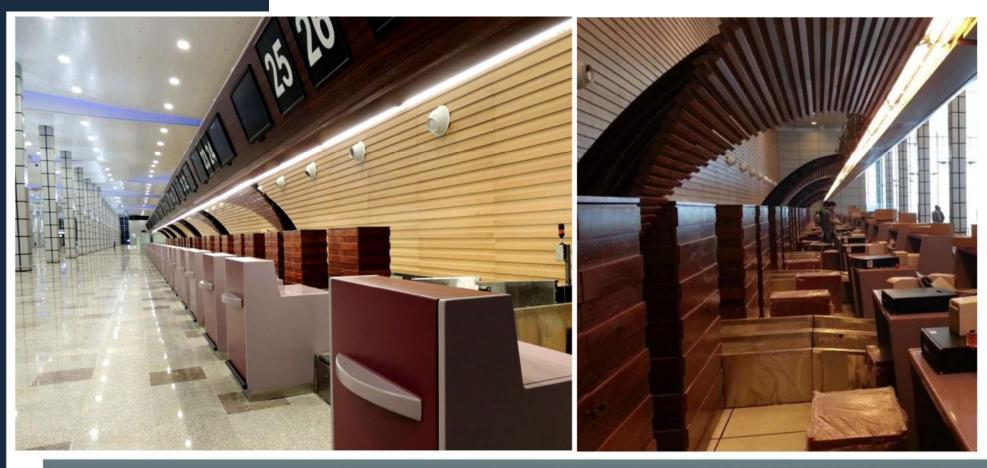
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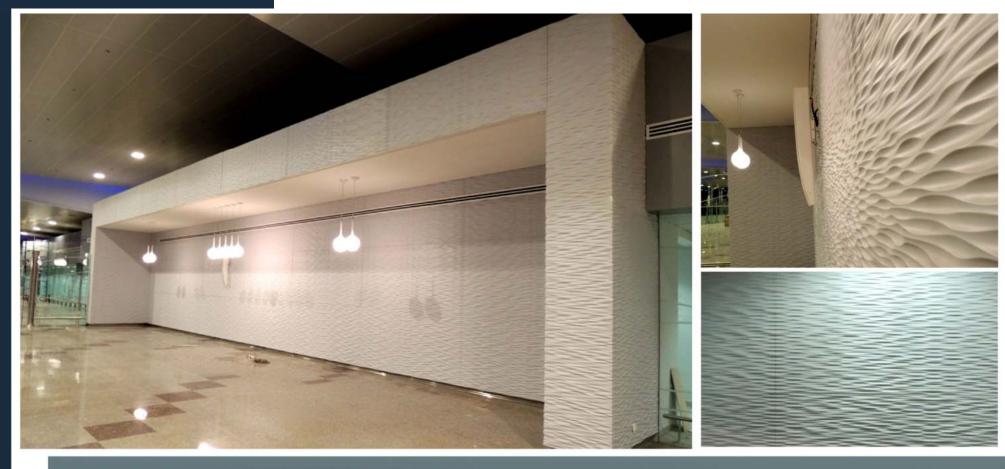
NEW TERMINAL BUILDING HURGHADA AIRPORT





NEW TERMINAL BUILDING HURGHADA AIRPORT



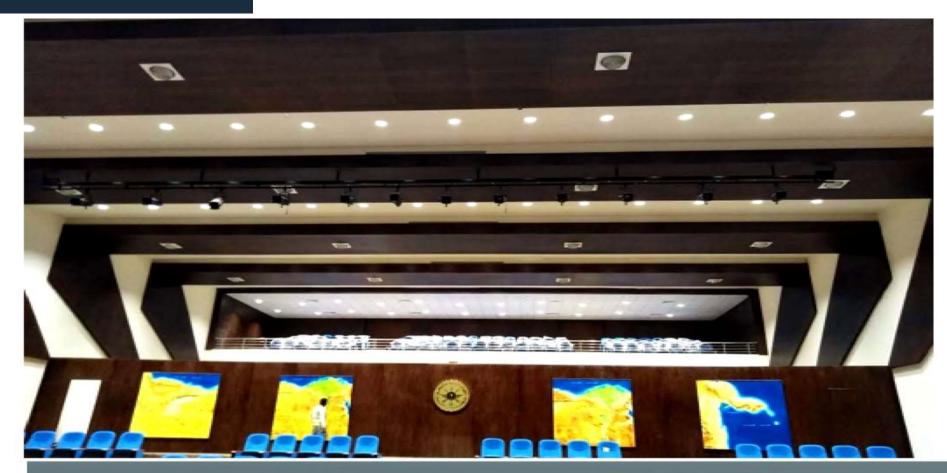


NEW TERMINAL BUILDING HURGHADA AIRPORT









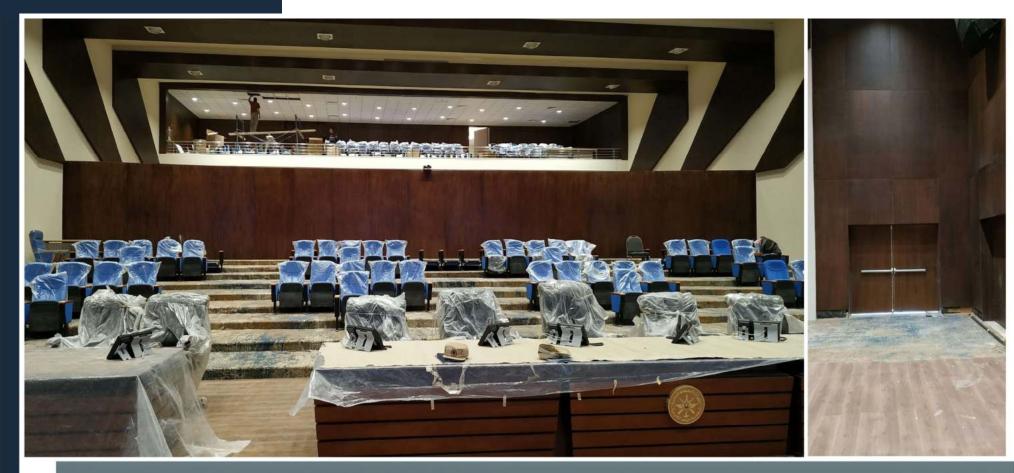








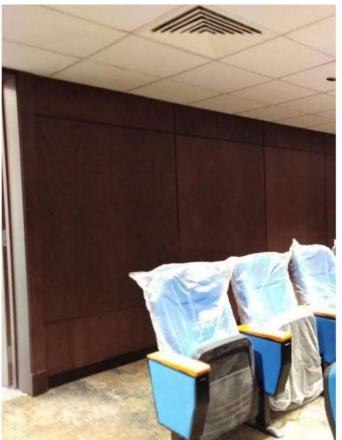










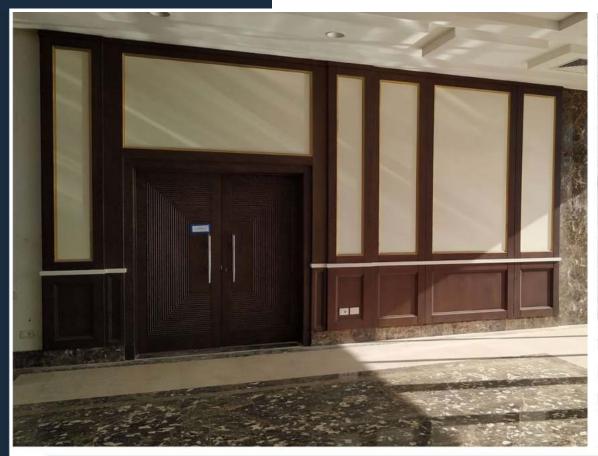








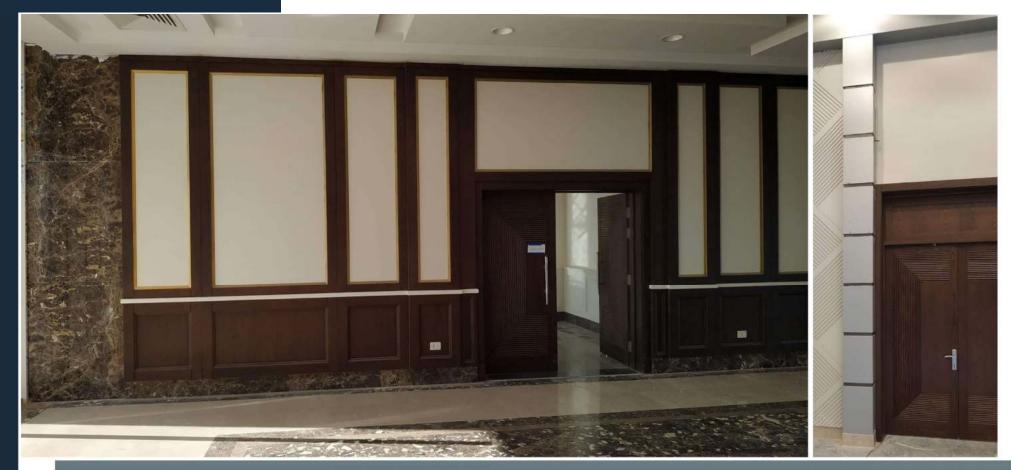






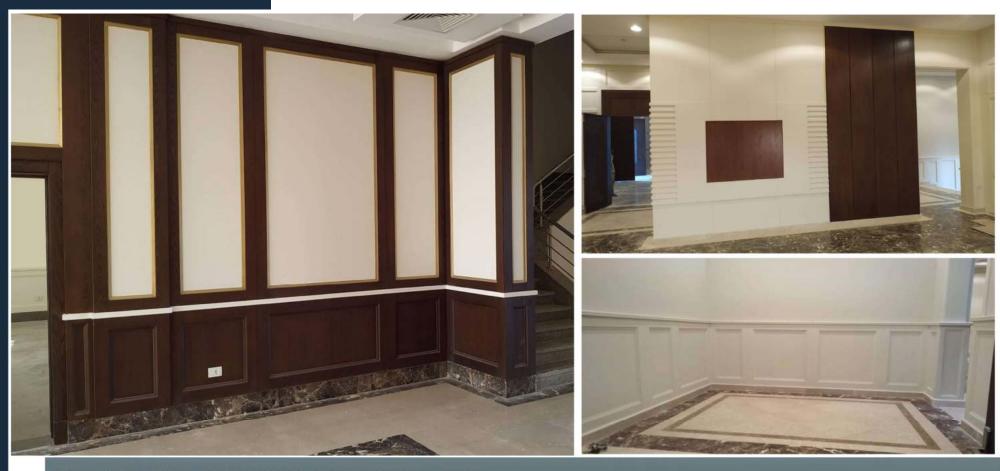




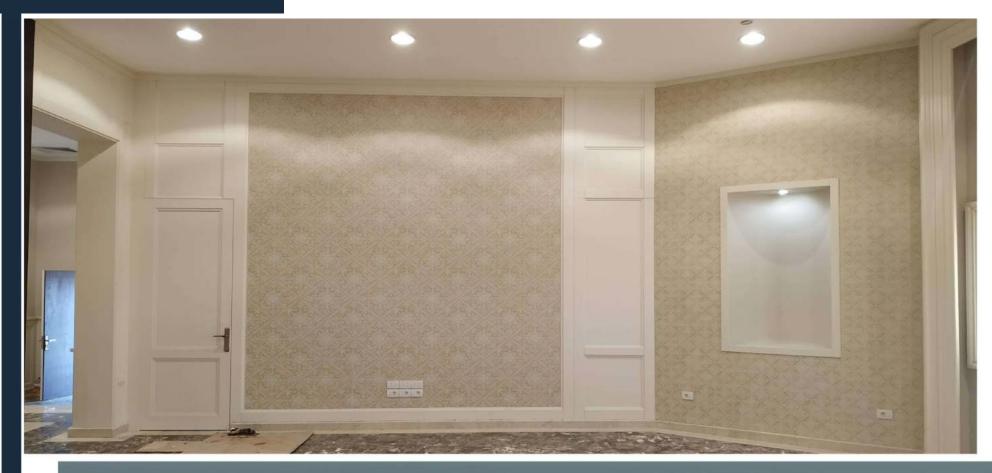








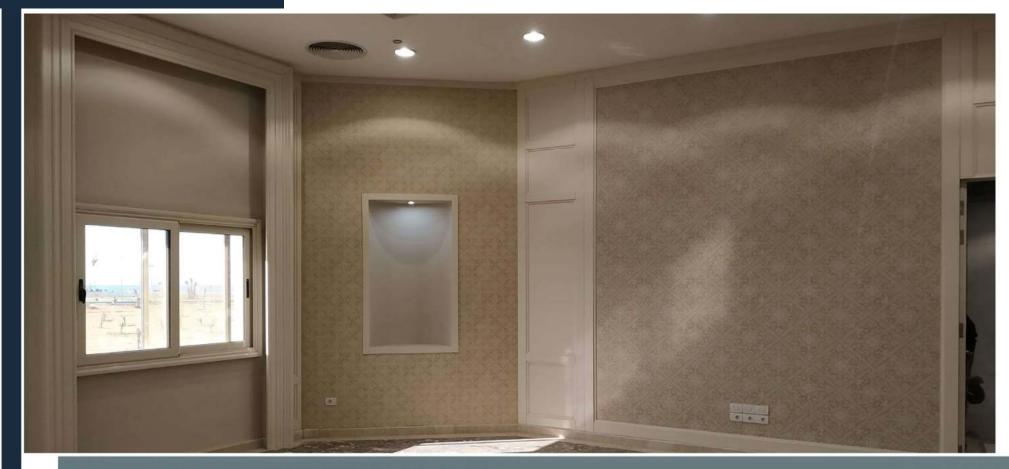


















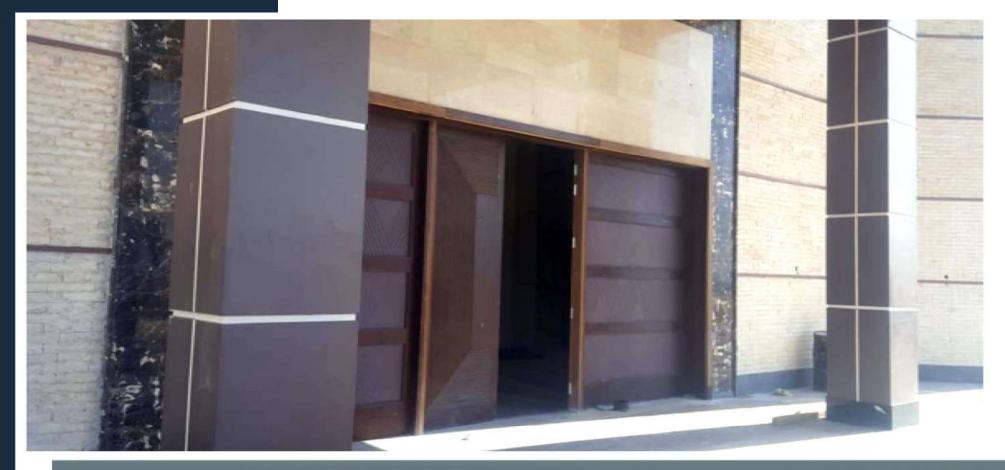
























Wood Works - Experience Record Dip n Dip restaurant



ALMARASEM DEVELOPMENT

Wood Works - Experience Record Dip n Dip restaurant







ALMARASEM DEVELOPMENT

Wood Works - Experience Record Dip n Dip restaurant







Wood Works - Experience Record Dip n Dip restaurant





Wood Works - Experience Record Dip n Dip restaurant







Wood Works - Experience Record EMAAR SALES CENTRE FOR UPTOWN CAIRO



Wood Works - Experience Record EMAAR SALES CENTRE FOR UPTOWN CAIRO









Wood Works - Experience Record EMAAR SALES CENTRE FOR UPTOWN CAIRO



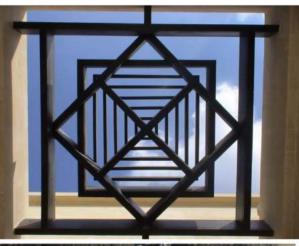


Wood Works - Experience Record EMAAR SALES CENTRE FOR UPTOWN CAIRO









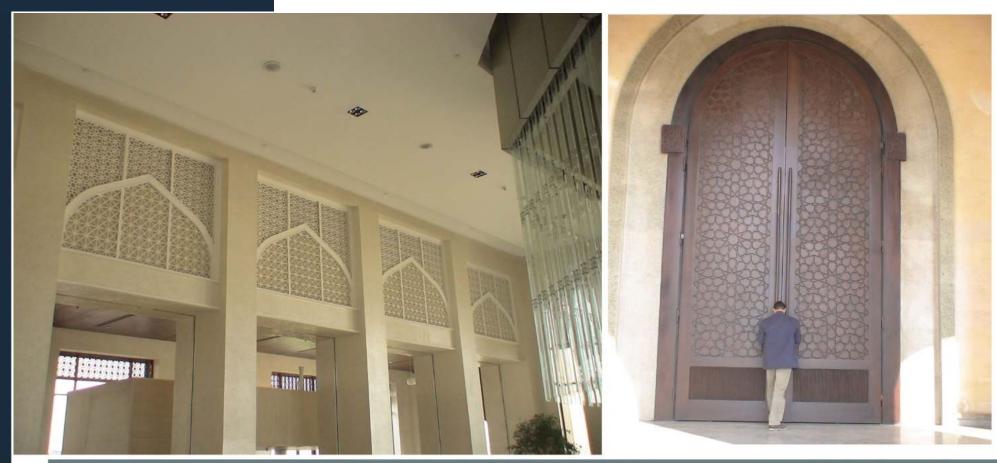




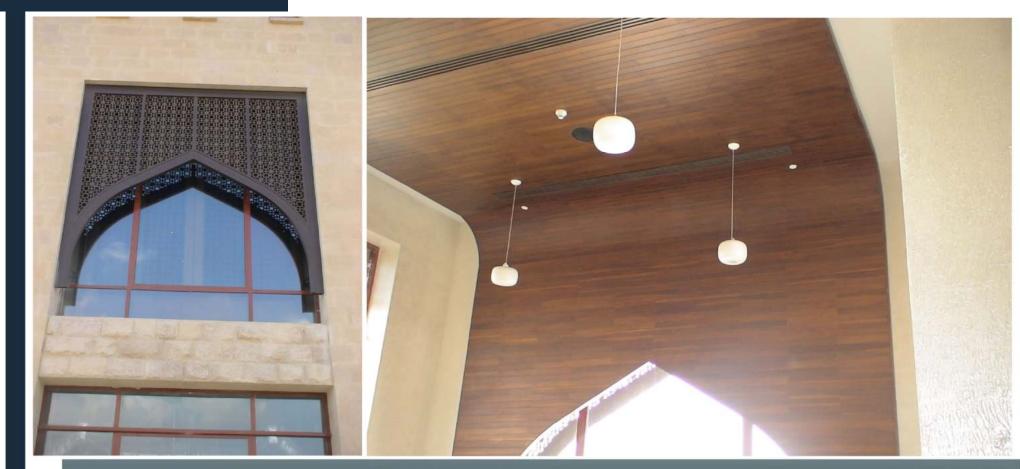




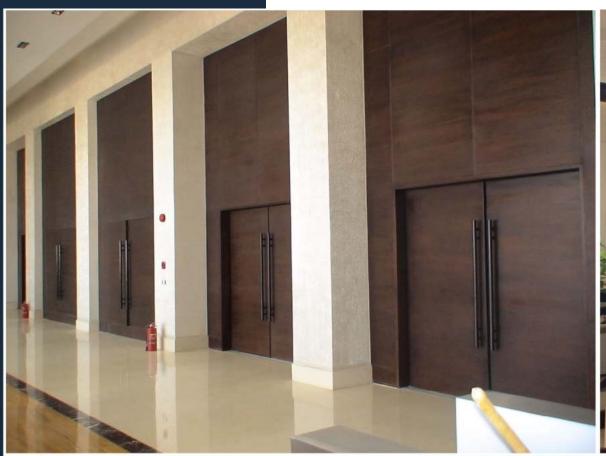
















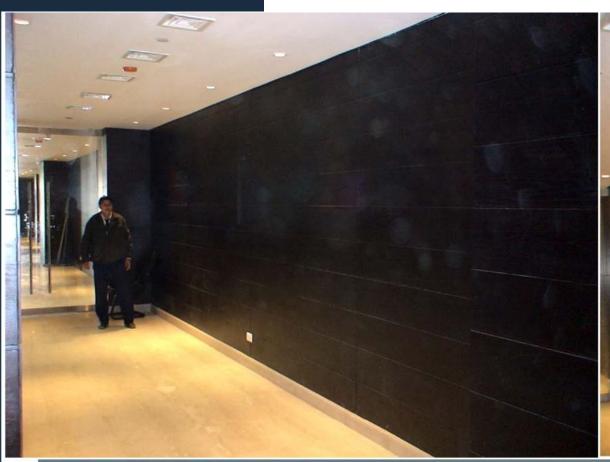






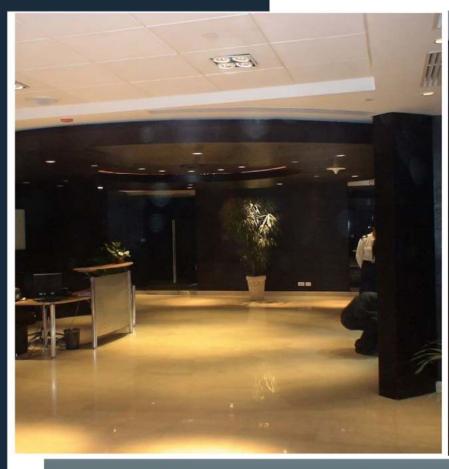
ALMARASEM

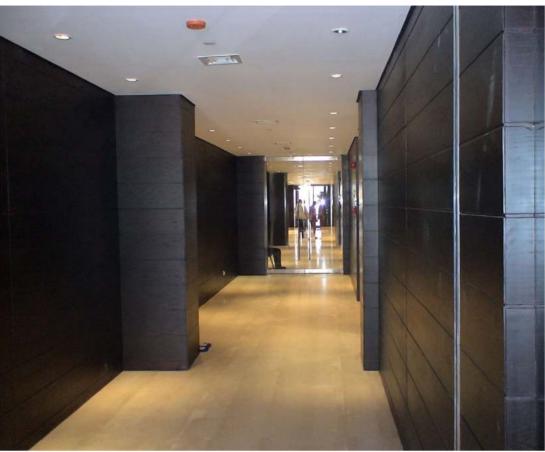
Wood Works - Experience Record EMAAR SALES CENTRE FOR UPTOWN CAIRO





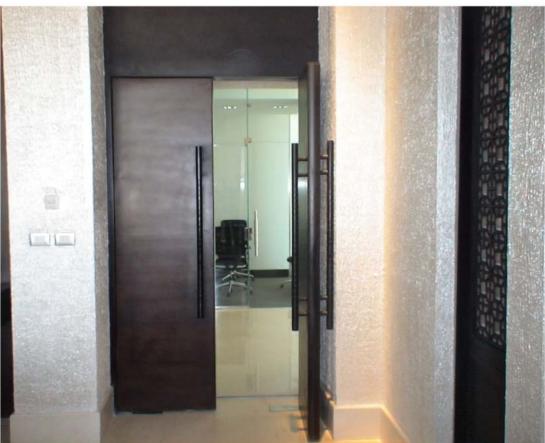










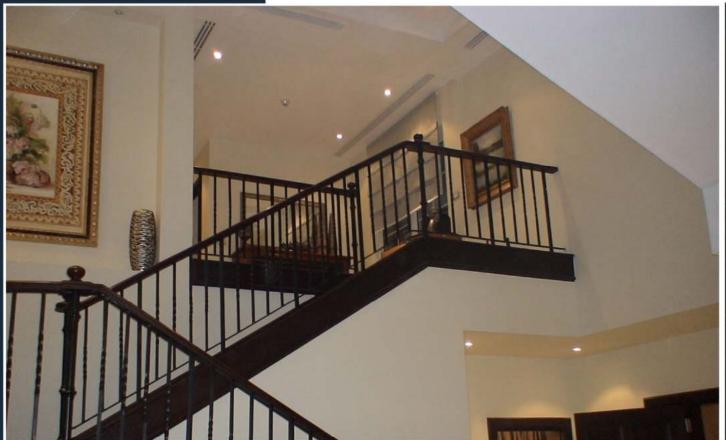














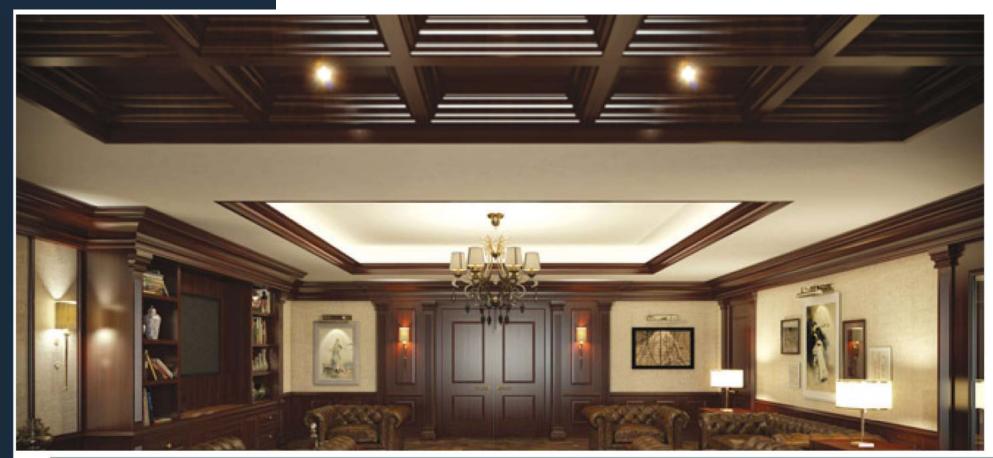




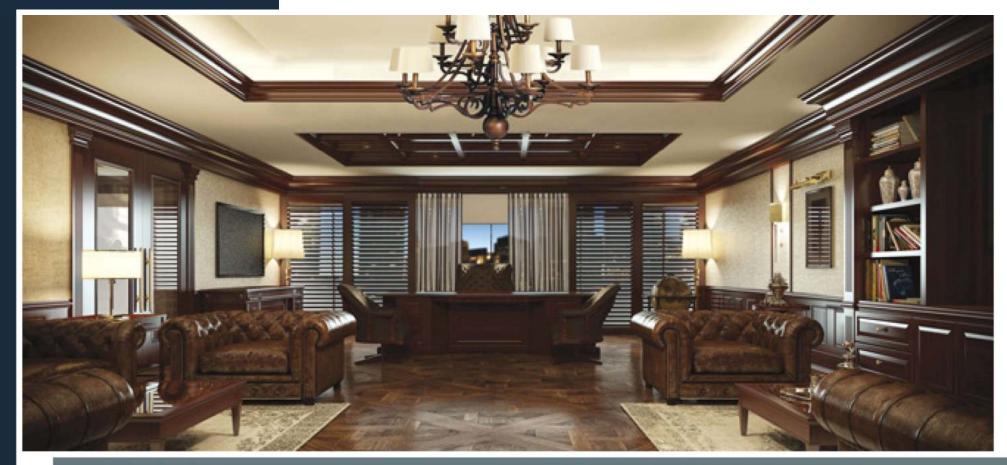












ALMARASEM DEVELOPMENT

Wood Works - Experience Record Al Hanove Travel office



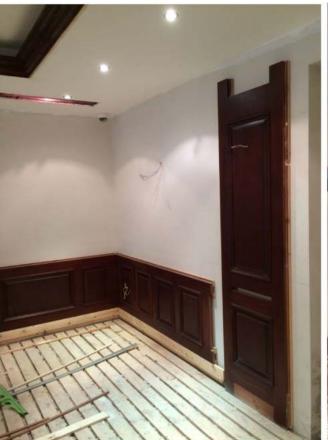










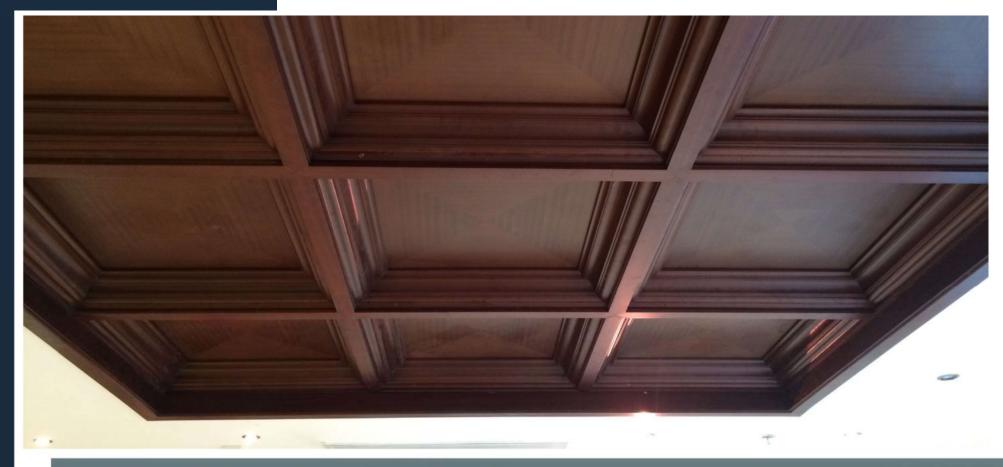
















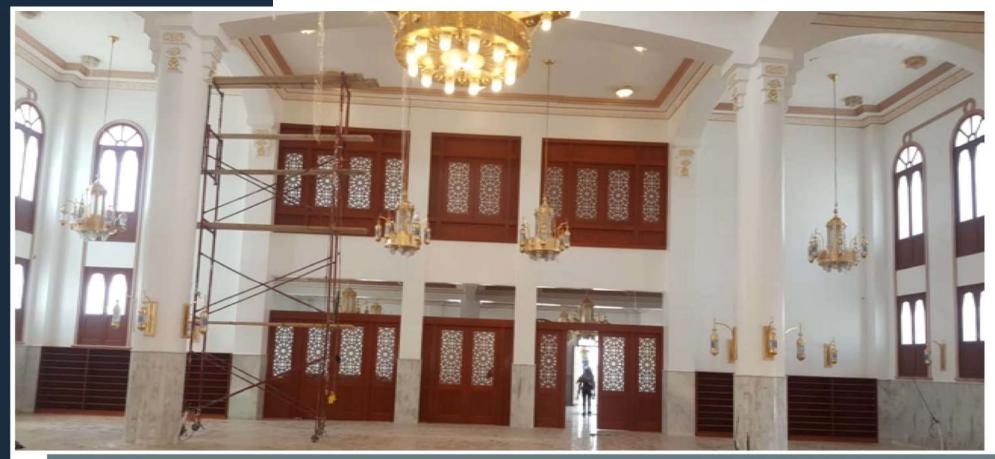








Wood Works - Experience Record AL Rahma mosque





Wood Works - Experience Record AL Rahma mosque



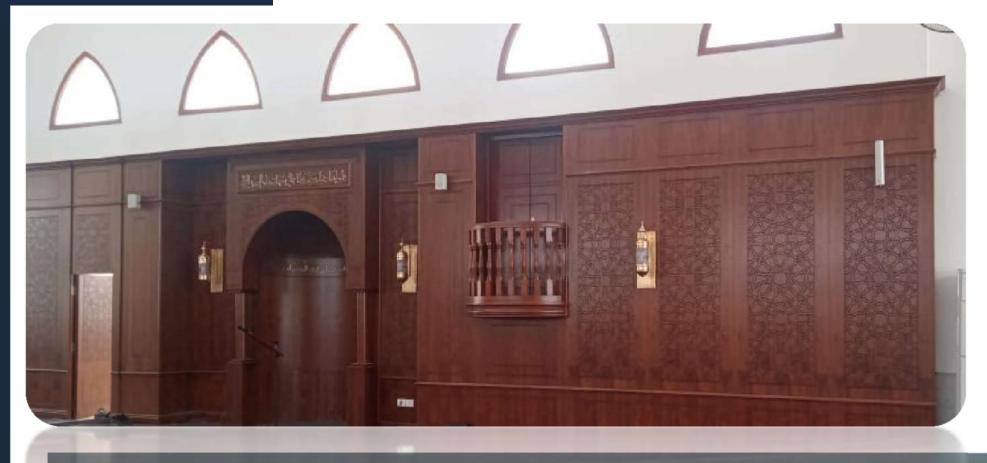


Wood Works - Experience Record AL Rahma mosque





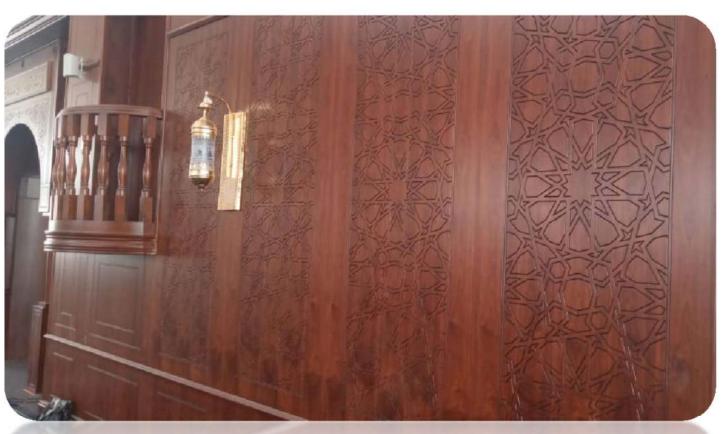
Wood Works - Experience Record KHATEM AL MORSALIN MOSQUE





Wood Works - Experience Record KHATEM AL MORSALIN MOSQUE





ALMARASEM DEVELOPMENT

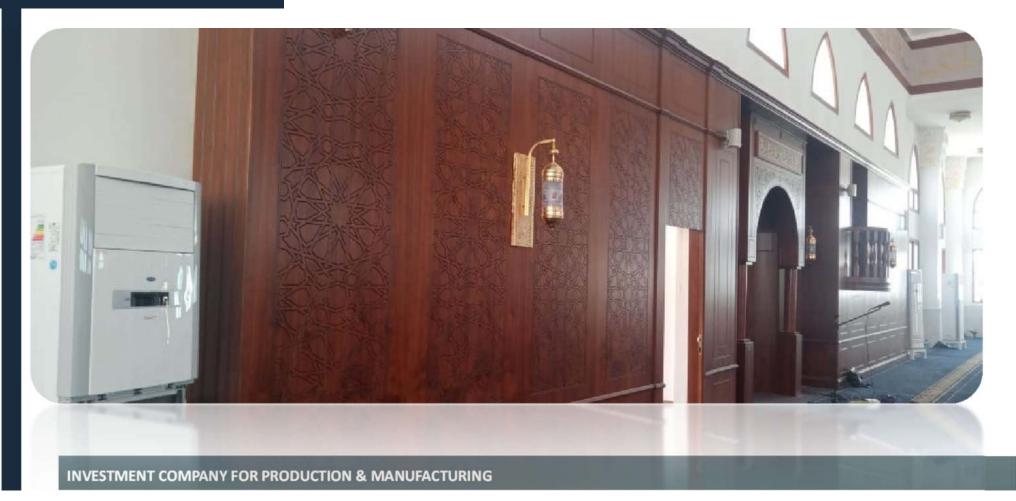
Wood Works - Experience Record KHATEM AL MORSALIN MOSQUE





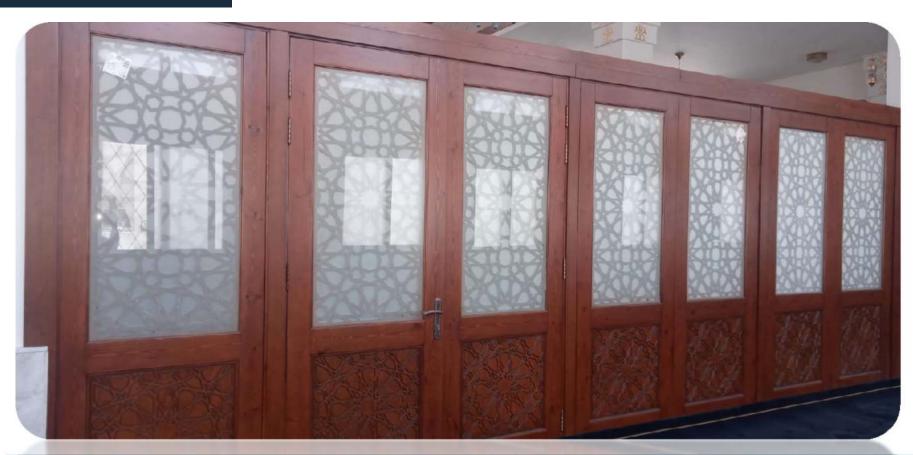


Wood Works - Experience Record KHATEM AL MORSALIN MOSQUE





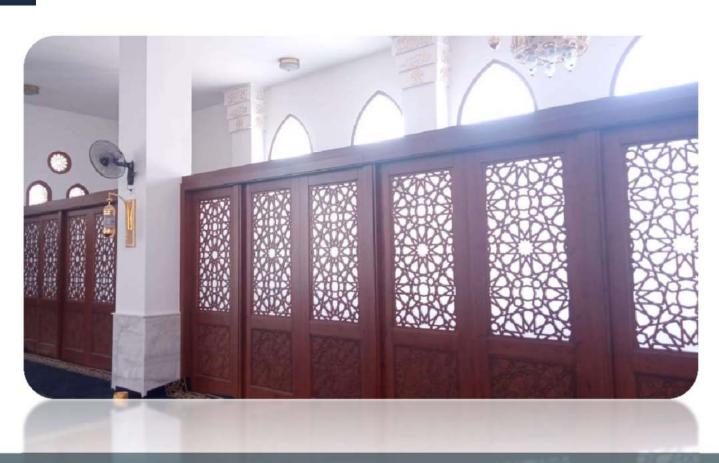
Wood Works - Experience Record KHATEM AL MORSALIN MOSQUE





Wood Works - Experience Record KHATEM AL MORSALIN MOSQUE





Wood Works - Experience Record

CAIRO INTERNATIONAL AIRPORT





ALMARASEM DEVELOPMENT

Wood Works - Experience Record Cairo airport







Wood Works - Experience Record Cairo airport







Wood Works - Experience Record Cairo airport



ALMARASEM DEVELOPMENT

Wood Works - Experience Record Cairo airport





ALMARASEM DEVELOPMENT

Wood Works - Experience Record Cairo airport





Wood Works - Experience Record Cairo airport



















Wood Works - General Fabrication Office furniture





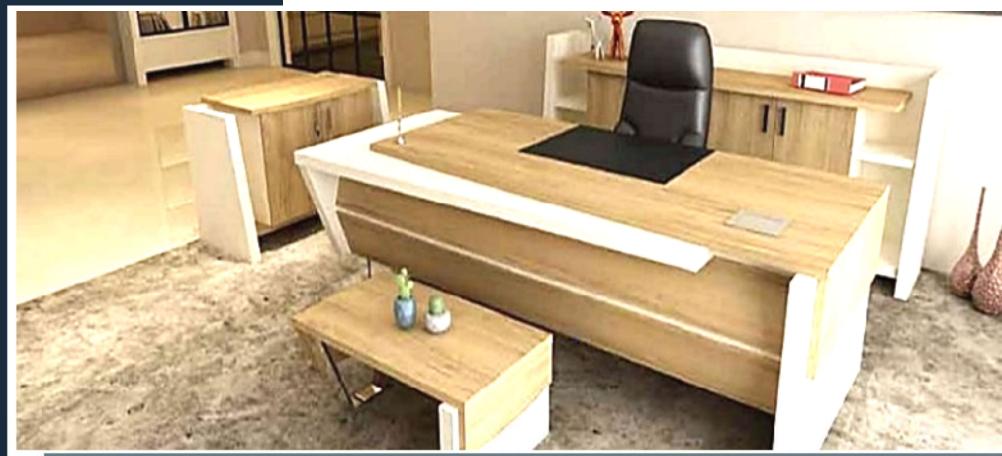


Wood Works - General Fabrication Office furniture









Wood Works - General Fabrication Office furniture

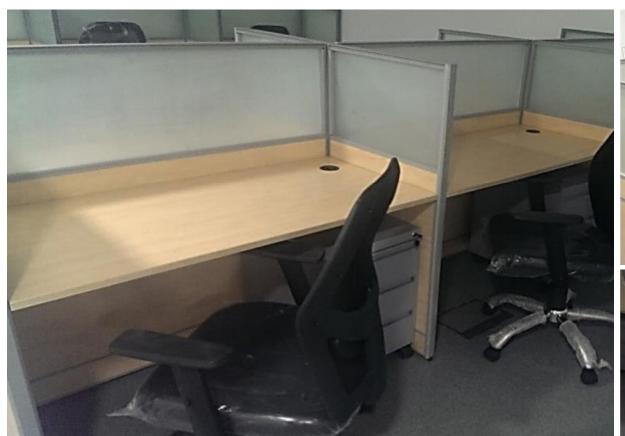








Wood Works - General Fabrication Office furniture







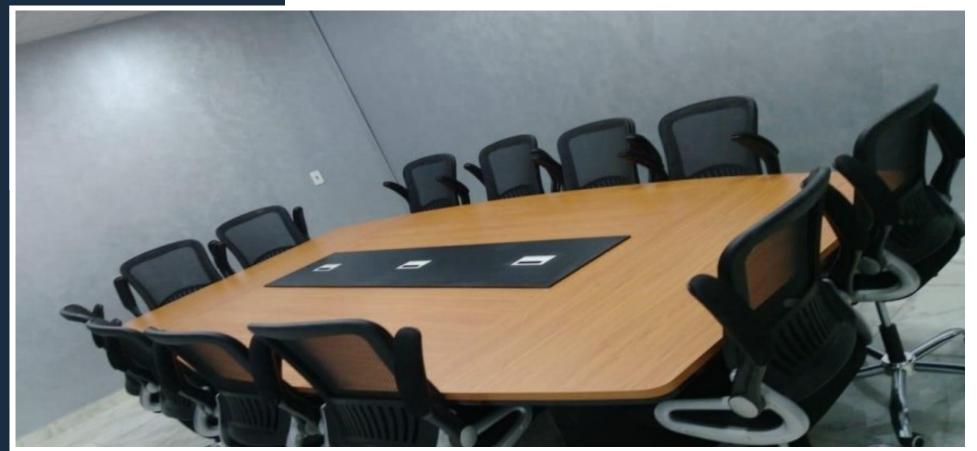
Wood Works - General Fabrication Office furniture







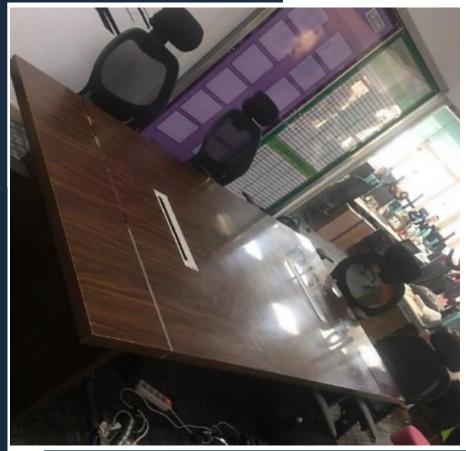








Wood Works - General Fabrication Office furniture









Wood Works - General Fabrication Office furniture









Wood Works - General Fabrication Office furniture







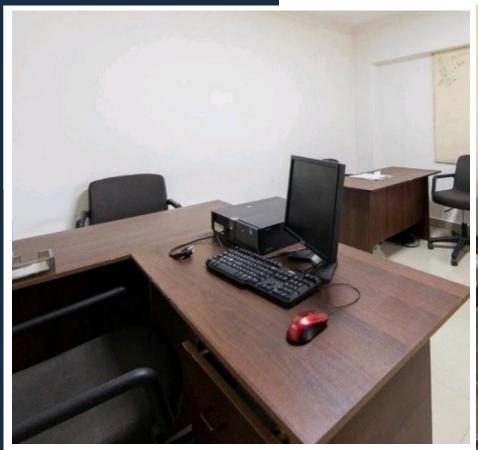


Wood Works - General Fabrication Office furniture





Wood Works - General Fabrication Office furniture





Wood Works - General Fabrication

Pergola & Covering





Wood Works - General Fabrication

Pergola & Covering





Wood Works - General Fabrication Pergola & Covering







Pergola & Covering





Pergola & Covering





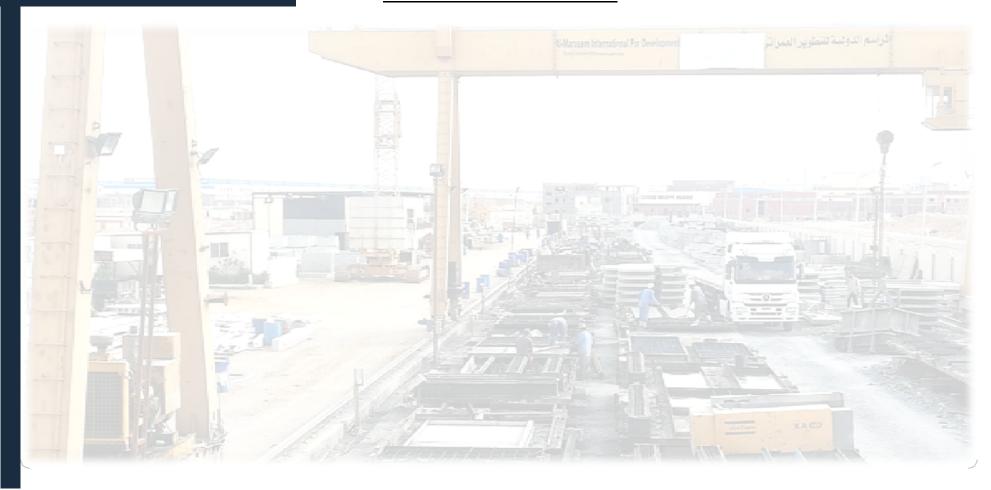
Pergola & Covering





ICPM -Precast Concrete

Precast Plant Works





ICPM -Precast Concrete

ICPM Pre-Cast factory located in Badr city on a total area of 21,000 sqm,with production capacity up to 160 m3 per shift for vertical tables which provides fair face production from both sides, and 40 horizontal tables of different sizes (10 fixed and others are tilting. Total Capacity 60,000 m3 / Year







ALMARASEM

ICPM - Precast Concrete













INVESTMENT COMPANY FOR PRODUCTION & MANUFACTURING

ALMARASEM

ICPM - Precast Concrete Experience Record



UPTOWN CAIRO PERMENANT FENCE



MUP ABOU SULTAN



ALLERGRIA



MALL OF ARABIA



UPTOWN CAIRO TEMP. FENCE



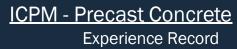
MIVIDA

ICPM - Precast Concrete
Experience Record

ABU SULTAN EGYPT MEDICAL UNION PHARMACEUTICALS WAREHOUSE







ABU SULTAN EGYPT MEDICAL UNION PHARMACEUTICALS WAREHOUSE



ABU SULTAN EGYPT	
Project Description	Pre-cast concrete cladding Pre-cast concrete cladding (about 24,000 sq. meters of 12m height and 5m width panels)
Consultant	ECG

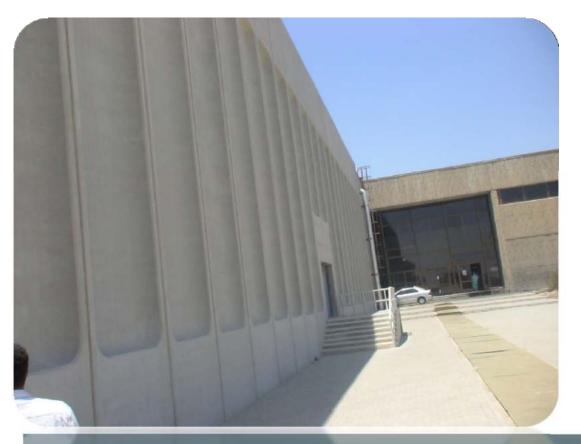






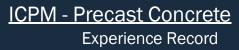
ICPM - Precast Concrete
Experience Record

ABU SULTAN EGYPT MEDICAL UNION PHARMACEUTICALS WAREHOUSE









Mall of Arabia SIX OCTOBER CITY







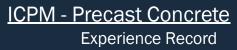
Mall of Arabia SIX OCTOBER CITY



Mall of Arabia	
Project Description	MALL OF ARABIA PRE-CAST WALL About 6800 square meters of pre-cast walls.
Consultant	ECG





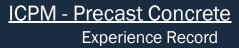


Mall of Arabia SIX OCTOBER CITY





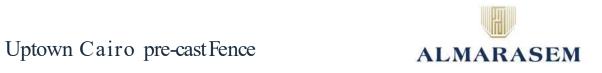




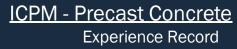
Mall of Arabia SIX OCTOBER CITY











uptowen pre-cast Fence



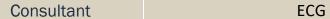
uptowen pre-cast Fence

Project Description

Supply and Install over 3200 m pre-cast concrete temporary fence (2.5 m height)

Supply and Install over 3200 m pre-cast concrete barriers (90cm height)

Supply & Install security gates (10m heights and 4m width)











ALLEGRIA RESEDENTIAL COMPOUND SHEIKH ZAYED CITY





ALLEGRIA RESEDENTIAL COMPOUND SHEIKH ZAYED CITY

ALLEGRIA RESEDENTIAL COMPOUND

Project Description About 22,700 meters pre-cast fence for Villas.

About 2,000 meters pre-cast perimeter fence.

Guard Houses.

Steel fence

Consultant

MZECH

(MEDHAT ABOZAID – EGYPYIAN CONSULTANT HOUSE)

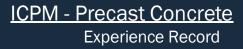












40west pre-cast Fence



40west pre-cast Fence

Project Description Supply and Install over 710 m pre-cast Garden wall (2.5 m height)

SHEIKH ZAYED CITY SIX OF OCTOBER DEVELOPMENT AND INVESTMENT (SODIC)

Km 38 Cairo-Alexandria Desert Road -Sheikh Zayed City, Giza, Egypt

Consultant

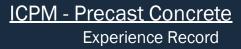
MZECH











SHARM EL SHEIKH EGYPTIAN AIRPORTS COMPANY







SHARM EL SHEIKH EGYPTIAN AIRPORTS COMPANY



EGYPTIAN AIRPORTS COMPANY

Project Description SHARM EL-SHEIKH AIRPORT NEW TERMINAL BUILDING

Aluminum Cladding works (About 27,3000 sq. Meter

Cladding)

Carpentry works: (Wall Cladding 3000 sq. Meter)

Architectural Steel works Stainless steel works Pre-cast concrete works

Consultant

DAR AL HANDASAH









Mivida pre-cast Fence



Mivida pre-cast Fence

Project Description

Supply and Install over 6000 m pre-cast concrete temporary fence (2.5 m height)

Supply and Install about 10,000 m Ferforje steel fence for plots.

Supply and Install about 1,000 steel gates for plots

Consultant

SITES COMPANY
ALAMAR CONSULTING GROUP
ECG (ENGINEERING CONSULTANTS GROUP











Al Burouj Pre cast Fence





Al Burouj Pre cast Fence





Al Burouj Pre cast Fence







Al Burouj Pre cast Fence

Al Borouj	
Client	Capital Group
Consultant	ECG









Al Burouj Pre cast Fence









500 500 Hospital Egypt





500 500 Hospital Egypt



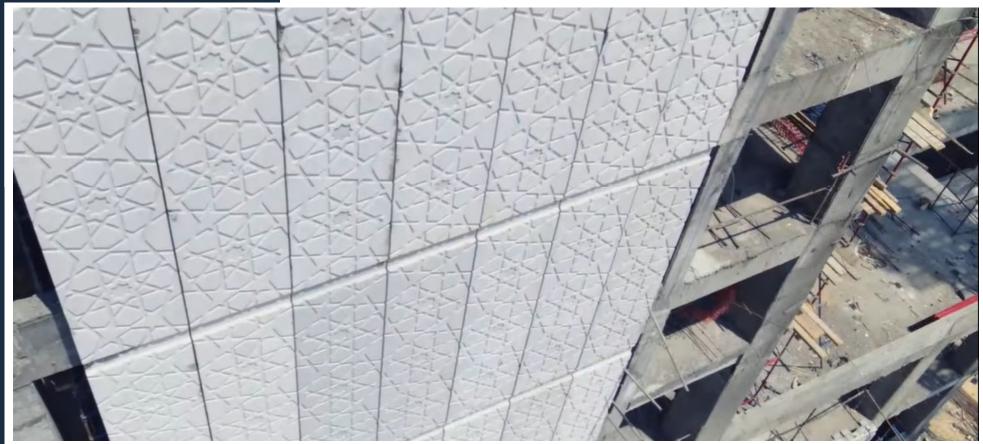


500 500 Hospital Egypt





500 500 Hospital Egypt



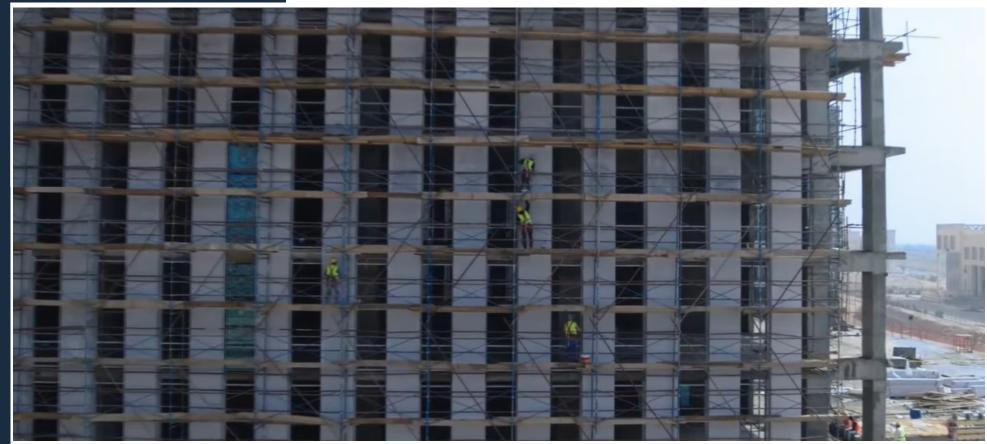


500 500 Hospital Egypt





500 500 Hospital Egypt





500 500 Hospital Egypt





500 500 Hospital Egypt





500 500 Hospital Egypt





THE CROWN









THE CROWN









THE CROWN











Palm Hills - Golf Extension	
Client	Palm Hills
Consultant	AAW



Wood Ville	
Client	Palm Hills
Consultant	Shaker





Palm Valley Internal Fences	
Client	Palm Hills
Consultant	Shaker

Palm Hills - New Cairo	
Client	Palm Hills
Consultant	AAW







Golf Views	
Client	Palm Hills
Consultant	Shaker



Palm Hills - Crown	
Client	Palm Hills
Consultant	AAW





R5 - Administrative Capital	
Client	AlMarasem
Consultant	ECG



SODIC -Forty West	
Client	Sodic
Consultant	ECG





500-500 HOSPITAL	
Client	AL-MARASEM
Consultant	ECG



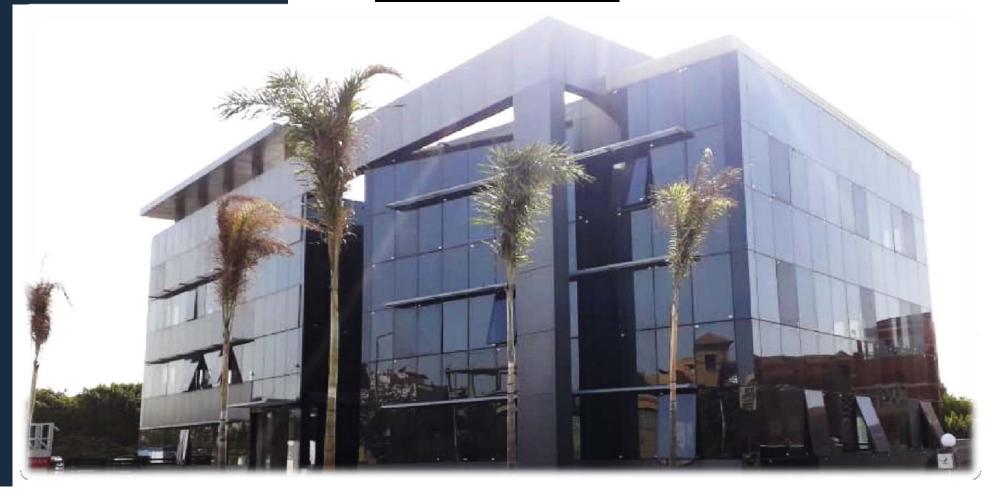
500 FEDDAN	
Client	PALM HILLS
Consultant	SHAKER





ICPM -Aluminum Plant

Aluminum Plant Works





ICPM - Aluminum Plant Works

Aluminium Plant works in manufacturing of various Aluminium models and designs according to customer needs, with utilization of top quality Aluminum sections and accessories in the local market and those which are imported.

- Integrated production line with annual capacity to produce 300,000 m2/year of doors, windows and curtain walls.
- Production line for claddings with total capacity of 150,000 m2/year.

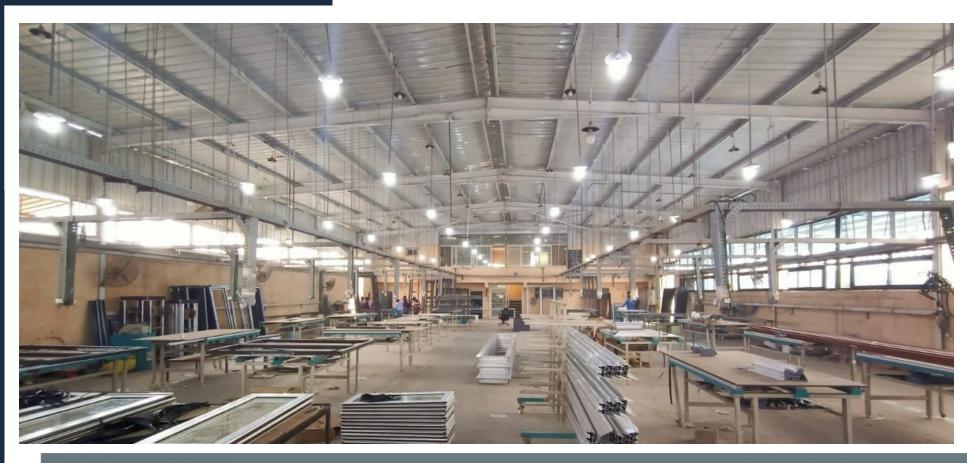








ICPM - <u>Aluminum Plant Works</u>





ICPM - <u>Aluminum Plant Works</u>











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ICPM - Aluminum Plant Works Experience Record



CAIRO INTERNATIONAL AIRPORT



AI REHAB RESEDENTIAL COMPOUND



SHARM EL SHEIKH AIRPORT



AMIRA BEACH RESORT



NEW BALL ROOM - FAIRMONT HOTEL



AL HAYAT HEIGHTS



Experience Record

CAIRO INTERNATIONAL AIRPORT

Renovation of Transit Hall building Terminal 1 #Cairo Airport Egypt





Experience Record







CAIRO INTERNATIONAL AIRPORT

Renovation of Transit Hall building Terminal -1#Cairo International Airport-Egypt





ICPM – <u>Aluminum Plant Works</u> Experience Record

NEW TERMINAL BUILDING AT SHARM EL SHEIKH AIRPORT





ICPM – <u>Aluminum Plant Works</u> Experience Record







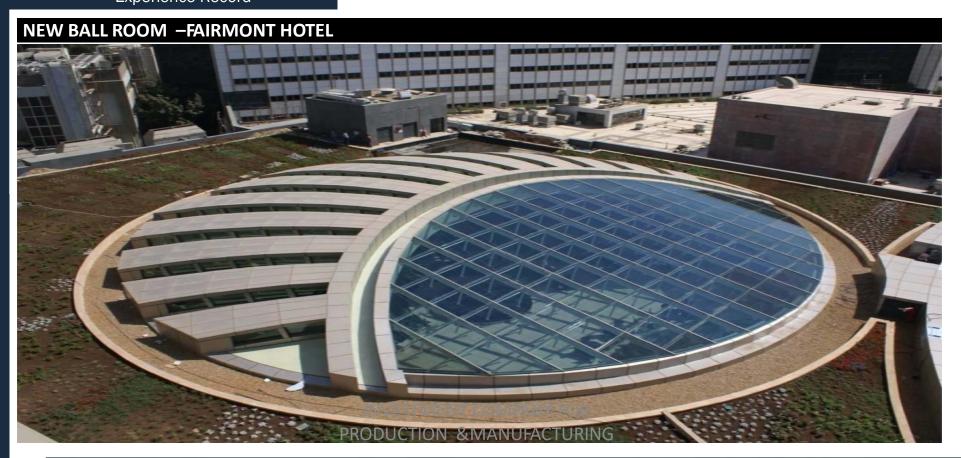
NEW TERMINAL BUILDING AT SHARM EL SHEIKH AIRPORT







ICPM - <u>Aluminum Plant Works</u> Experience Record





Experience Record







AI REHAB RESEDENTIAL COMPOUND





Experience Record









ICPM – <u>Aluminum Plant Works</u> Experience Record

AI REHAB RESEDENTIAL COMPOUND





Experience Record

AMIRA BEACH RESORT





Experience Record





AMIRA BEACH RESORT







<u>ICPM – Aluminum</u> Running Projects

AL SHOROUK MALL

AL SHOROUK MALL

Client

INMA







AL SHOROUK MALL





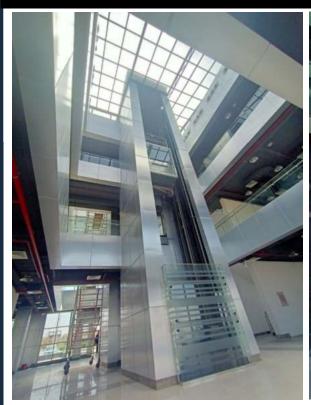
AL SHOROUK MALL







AL SHOROUK MALL









AL SHOROUK MALL





AL SHOROUK MALL

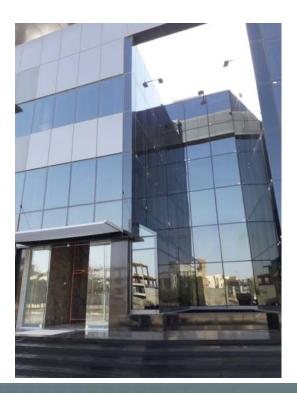




ICPM – Aluminum Running Projects

Beverly Hills - Zayed







ICPM -Aluminum Running Projects

Beverly Hills - Zayed







<u>ICPM – Aluminum</u> Running Projects

Al - Marasem Hospital New Cairo Client Al-Marasem







ICPM – Aluminum Running Projects





ICPM – Aluminum Running Projects





ICPM -Aluminum Running Projects







ICPM — Aluminum Running ProjectsCentral Park of the new administrative capital



ALMARASEM

ICPM – Aluminum Running ProjectsCentral Park of the new administrative capital



ALMARASEM

ICPM – Aluminum Running ProjectsCentral Park of the new administrative capital



<u>ICPM – Aluminum</u> Running ProjectsCentral Park of the new







ICPM - Aluminum Plant Works

Alexandria Eye Hospital





Alexandria Eye Hospital





Marassi north coast







Marassi north coast







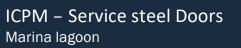
Marassi north coast





Marassi north coast









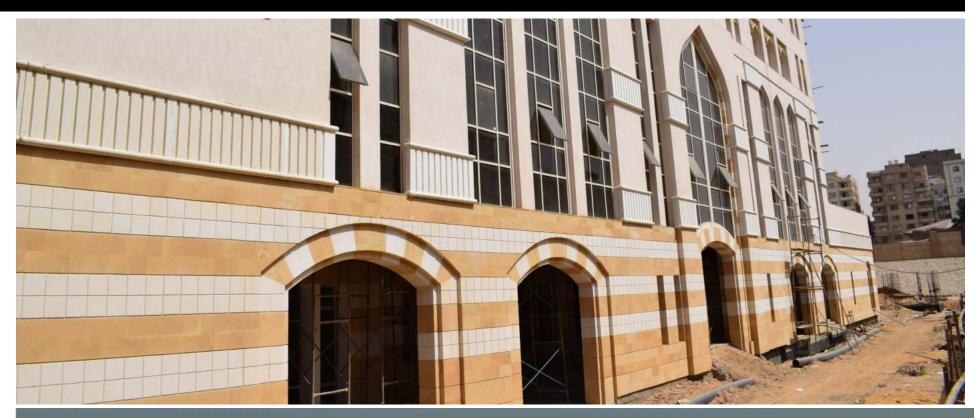


Al AZHAR Pharmacy & Dentistry College





Al AZHAR Pharmacy & Dentistry College





Al AZHAR Pharmacy & Dentistry College





Al AZHAR Pharmacy & Dentistry College





ICPM – Aluminum Running Projects

SODIC

Client

SODIC







ICPM – Aluminum Running Projects

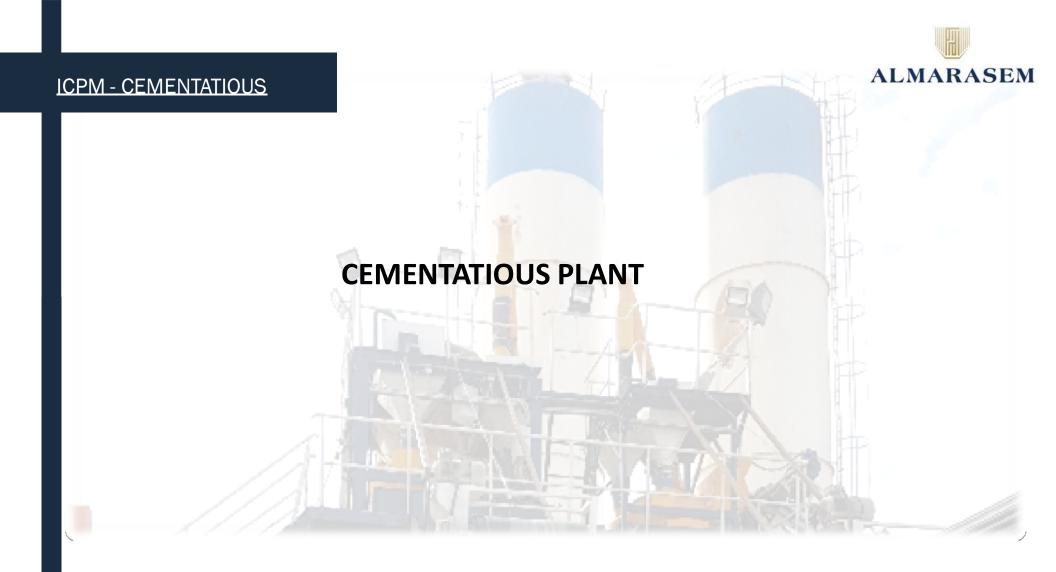
R3

Client

New Urban Communities Authority









CEMENTATIOUS WORKS

- Integral production line equipped with modern automatic machine that enable us to produce: Cement blocks (different sizes), Solid bricks and interlock (different shapes) with production capacity that reaches up to 100,000 unit/day.
- New modern automatic machine that enables us to produce: Cement blocks (different sizes), Solid bricks and interlock (different shapes) with production capacity that reaches up to 140,000 unit/day, for Administrative Capital projects.
- Factory area: 6,400.0 m2.









CEMENTATIOUS WORKS









CEMENTATIOUS WORKS













EXPERIENCE RECORD

- 1. Rehab City Project.
- 2. Rehab Sports Club Project.
- 3. Rehab Mall Project.
- 4. Amira Resort (Ras Sedr).
- 5. Heliopolise Club Project Shourouq City.
- 6. Alegria Compound.





<u>ICPM - CEMENTATIOUS</u>

INTERLOCK WORKS – RECTANGULAR SHAPE







<u>INTERLOCK WORKS – RECTANGULAR SHAPE</u>







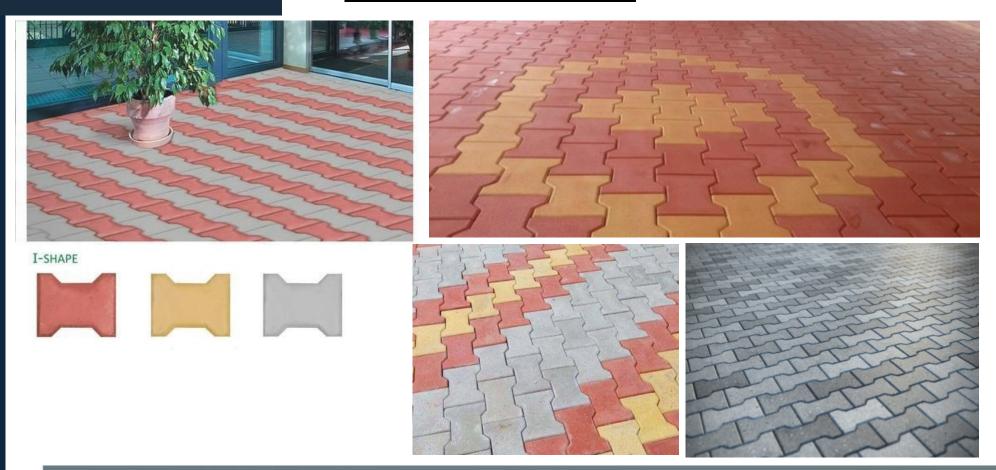


INTERLOCK WORKS – RECTANGULAR SHAPE





<u>INTERLOCK WORKS – I SHAPE</u>





<u>INTERLOCK WORKS – ZIG ZAG SHAPE</u>





Running Projects

- 1. Mivida Project.
- 2. Al bo'oth City Al Azhar Al Shareef. (El-Darasah)
- 3. Al bo'oth City Al Azhar Al Shareef. (Tanta)
- 4. NEW Al bo'oth City Al Azhar Al Shareef. (New Cairo)
- 5. Pharmacy College (Girls) Al Azhar Al Shareef.
- 6. Dentistry College (Girls) Al Azhar Al Shareef.





INTERLOCK WORKS

مواصفات البلوكات المفرغة

المو اصفات		المقاس بالـ (Cm)	
المواصف	40×20×12	40×20×20	40×20×25
متوسط الوزن (كجم)	12.5	17	21
كثافة البلوك (كجم / م٣)	1300	1060	1050
سمك العصب الطولي والعرضي (m m)	25	25	25
عدد البلوكات للمتر المربع	12.5	12.5	12.5
عدد البلوكات للمتر المكعب	104	62.5	50
عدد البلوكات في البالته	129.5	87.5	73.5
اجهاد الكسر (كجم/سم٢)	70	70	70
الامتصاص كجم / م٣	180	180	180

اولا يصنع المنتج من الخامات التالية:

- 1- الاسمنت بورتلاند عادى من شركات معتمده ومطابق للمواصفات المصرية.
 - 2- رمل مطابق للمواصفات المصرية (١١٠٩ كود E).
- 3- كسر دولوميت متدرج مطابق للمواصفات المصرية (١١٠٨ كود E).

ثانيا المو اصفات:

1- المنتج مطابق للمواصقات (المصرية ٢٩٢ اكود E والبريطانية ٣٧ - ٢كود B والامريكية ٩٢١ .١٢٩).

ثالثاً المقاومة للحريق:

1- يقاوم المنتج الحريق لمدة ٢ ساعة.

رابعا تداول المنتج:

 1- يتم التداول اتوماتيكياً على بلتات خشب بعد(٧) رصات محزمه بشمير رأسي وأفقى ،يتم التحميل على السيارات بأوناش شوكة (كلاك)

مواصفات الطوب المصمت

(Cm) -	المقاس با	المو اصفيات	
20*10*6	25*12*6	المواصد	,
2.35	4	متوسط الوزن (كجم)	1
2200	2200	كثافة البلوك كجم / م٣	2
833	555	عدد البلوكات للمتر المكعب	4
83.3	66.7	عدد البلوكات للمتر المربع	ŧ
200	200	اجهاد الكسر (كجم/سم٢)	7
120	120	الامتصاص كجم / م٣	8

اولاً يصنع المنتج من الخامات التالية:

- 1- الاسمنت بورتلاند عادي من شركات معتمده ومطابق للمواصفات المصرية.
 - 2- رمل مطابق للمواصفات المصرية (١١٠٩ كود E).
- 3- كسر دولوميت مندرج مطابق للمواصفات المصرية (١١٠٨ كود E).

ثانيا المه اصفات:

1- المنتج مطابق للمواصقات (المصرية ٢٩٢ كود E والبريطانية ٢٧٠ كود B والامريكية ASTM. ١٢٩).

ثالثاً المقاومة للحريق:

1- يقاوم المنتج الحريق لمدة ٢ ساعة.

رابعاً تداول المنتج:

 1- يتم التداول اتوماتيكيا على بلتات خشب بعد(١٠) رصات محزمه بشمير رأسي وأفقى ، يتم التحميل على السيارات بأوناش شوكة (كلارك)





وحدة أبحباث

خواص واختبار المواد وضبط الجودة

مركز الاستشارات الهندسية

كلية الهنوسة-جامعة عين شوس

ICPM - CEMENTATIOUS

Research Center of

Properties and Testing of Materials

And Quality Control

Engineering Consulting Center

Faculty of Eng. - Ain Shams Univ.

رقم التقرير: F 0110/2018

التاريخ: ٤٢/٢٠/٨١٠٢

Research Center of Properties and Testing of Materials And Quality Control

Faculty of Eng. - Ain Shams Univ.

خواص واختبار المواد وضبط الجودة مركز الإستشارات الهنواسية

وحدة أبحاث

كلية الهنجسة-جامعة عين شيس

رقم التقرير: F 0109/2018 التاريخ: ٢٠١٨/٠٢/٢٤

Research Center of

Properties and Testing of Materials

And Quality Control

Engineering Consulting Center

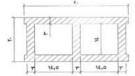
Faculty of Eng. - Ain Shams Univ.

تقرير عن نتائج إختبار الضغط على عينات من اليلوكات الأسمنتية المقرغة

: الشركة الإستثمارية للانتاج والتصنيع (I.C.P.M) المشروع :

ورد الى وحدة أبحاث خواص واختبار المواد و ضبط الجودة - كاية الهندسة جامعة عين شعس - خطاب من الشركة الاستثمارية للانتاج والتصنيع بخصوص إجراء إختبار الصغط على عينات من البلوكات الأسمنتية المغرغة. العينات الموردة :

- عند "٢" عيدات من البلوكات الأسمنتية المفرغة مقاس هوالي ٤٠٠٧٠٠ سم بأبعاد كما هو موضع بالشكل -مصنع الكون يلوك.



شكل يوضح متوسط ابعاد البلوكات الموردة بالسنتزمتر

ثم توريد العينات بتاريخ ٢٠١٨/٠٢/١٨ إلى الوحدة بمعرفة العمول وعلى مسئوليته وتم أخذ بيانات العينات من الخطاب الموجه من العميل إلى الوحدة.

الاختيارات المطلوبة:

١ - اختيار تعيين النسبة المئوية للأمتصاص

٧- اختيار تعيين مقاومة الضغط

١ ش السرايات - ميدان عبده باشا - العباسية ١١٥١٧ - القاهرة - ت/فاكس : ٢٦٦٧٤٠٢٦ 1 El-Sarayat St., Abbasia 11517, Cairo, Tel. & Fax: 24674026

Engineering Consulting Center

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رقم التقرير: F 0110/2018 التاريخ: ٢٠١٨/٠٢/٢٤

لتالج الاختبار

١- اختيار تعين النبية المنوية للأمتصاص:

تم إجراء إختبار تعيين النمية المنوية للامتصناص على عدد (٣) عيدات من البلوكات الأسمنتية المغرغة الموردة وكانت نتائم الاختيار كما بلد:

الأمتصاص (كجم/م۳)	الأمتصاص (%)	كَتَافَةُ الْخَرِسَالَةُ (كَجْمُ/مِ؟)	الوزن المضور (جم)	الوزن الجاف (جم)	الوزن المشيع (هم)	
117,75	1,AV	ATET	17750	T37+A	77778	. 3
171,1.	3,+4	YIOA	17761	35117	YYto.	1
144,01	2,44	YLAY	37346	*****	TYTES	*

٢ - اختيار تعين مقاومة الضغط :

مم / أيمن زكريا

تم تعيين مقاومة الضغط لعدد (٣) عيدات من البلوكات الموردة بحالتها وقت التوريد (طبقا للمواصفات القياسية المصرية مقء ١٢٩٧-١٠٥/١)، وكانت نتائج الاختبار كما يلي:

إجهاد الكسر (تيونن/سم۲)*	حمل الإشهبار (كيلو ثيوتن)	الوزن وقت التوريد (هم)	المساحة الصافية المقطع العينة (مم")	الست (سم)	,
17,TA	20.	Y16%+		11,4	- 3
11,17	14.	*1***	411	Y-,Y	*
14,7+	1	41440		Y.,Y	

ثم حساب إجهاد الكسر على أساس المساحة الصافية تعلق العينة.









الاختبارات المطلوبة: ١- اختبار تعيين النسبة المثوية للأمتصاص

الموجه من العميل إلى الوحدة.

٢- اختبار تعيين مقاومة الضغط

وحدة أبحاث

خواص واختبار المواد

وضبط الجودة

مركز الإستشارات الهندسية

كلية الهندسة-جامعة عين شهس

المشروع

مصنع الكون بلوك.

تقرير عن نتائج إختبار الضغط على عينات من البلوكات الأسمنتية المفرغة

ورد الى وحدة أبحاث خواص واختبار المواد و ضبط الجودة - كلية الهندسة جامعة عين شمس - خطاب من

الشركة الاستثمارية للانتاج والتصنيع بخصوص إجراء إختبار الضغط على عينات من البلوكات الأسمنتية المفرغة.

- عدد "٢" عينات من البلوكات الأسمنتية المفرغة مقاس حوالي ٤٠×٥٧×٢٠ سم بأبعاد كما هو موضح بالشكل -

10,0

شكل يوضنح متوسط ابعاد البلوكات الموردة بالسنتيمتر

تم توريد العينات بتاريخ ٢٠١٨/٠٢/١٨ إلى الوحدة بمعرفة العميل وعلى مسئوليته وتم أخذ بيانات العينات من الخطاب

: الشركة الاستثمارية للانتاج والتصنيع (I.C.P.M)

ا ش السرايات – ميدان عبده باشا – العباسية ١١٥١٧ – القاهرة – ت/فاكس ٢٤٦٧٤٠٢٦ ا 1 El-Sarayat St., Abbasia 11517, Cairo, Tel. & Fax: 24674026



Research Center of خواص واختبار المواد Properties and Testing of Materials And Quality Control

Engineering Consulting Center Faculty of Eng. - Ain Shams Univ.

وضبط الجودة مروكز الإستشارات الهنوسية كلية الهنودسة جامعة عين شيس

وحدة أبحساث

رقم التقرير : F 0109/2018 التاريخ : ۲۰۱۸/۰۲/۲۴

نتائج الاختيارات

١ - الفتيار تعين النسبة المنوية للأمتصاص:

تم إجراء إختيار تعيين النسبة المتوية للامتصاص على عند (٣) عينات من اليلوكات الأسمنتية المغرغة الموردة وكانت

الأمكساس (كجم/م٣)	الأنتساس (1%)	عثاقة القرسالة (المم/م۲)	فوزن فعضور (44)	الوژن الجاف (۱۹۹)	الوزن المشيع (جم)	,
1.4.14	0,01	1111	1.31	17747	17741	1
117,74	1,11	7107	1771	MATER	17711	7
177,+7	5,5.	TITA	1111	17571	1775.	۳

٣- لغتبار تعين مقاومة الضغط :

ثم تعيين مقاومة الضغط لعدد (٣) عينات من البلوكات الموردة بحالتها وقت التوريد (طبقا للمواصفات القياسية المصوبة مرة م ١٣٩٦- ١٢٠٠٥)، وكانت نتالج الاختبار كما طي:

		147	- 34-1 5	L. C.	- 1
إجهاد الكسر (أبوان/مم ٢)*	حمل الالهبار (كيلو نيوان)	الوزن وقت التوريد (مم)	المسلمة الصافية المقطع العينة (مم")	ضمه (سم)	,
A,A	445	1717+		11.1	
A,3	4.70	177.0	777	17	*
A,A	440	127		77	r

* تم حساب إجهاد الكبر على أساس المساهة الصنافية لمقطع العينة.





أعد التقرير

م،م / أيمن زكريا

١ ش السرايات – ميدان عبده باشًا – العباسية ١١٥١٧ – القاهرة – ت/فاكس : ٢٤٦٧٤٠٢١ 1 El-Saravat St., Abbasia 11517, Cairo, Tel. & Fax: 24674026

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فواص واختبار المواد وضبط الجودة مركز الإستشارات الهنوسية

كلية الهندسة-جامعة عين شيس

وحدة أبحياث

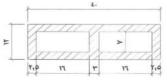
رقم التقرير : F 0108/2018 التاريخ: ۲۰۱۸/۰۲/۲۶

تقرير عن نتائج اختيار الضغط على عينات من البلوكات الأسمنتية المقرغة

: الشركة الاستثمارية للانتاج والتصنيم (I.C.P.M)

ورد الى وحدة أبحاث خواص واختبار المواد و ضبط الجودة - كلية الهندسة جامعة عين شمس - خطاب من الشركة الإستثمارية للانتاج والتصنيع بخصوص إجراء إختبار الضغط على عينات من البلوكات الأسمنتية المغرغة.

- عدد "١" عيدات من البلوكات الأسمنتية المغرغة مقاس حوالي ٢٠×١٢ مسر بأبعاد كما هو موضح بالشكل -مصنع الكون يلوك،



شكل يوضح متوسط ابعاد البلوكات الموردة بالسنتيمتر

تم توريد العينات بتاريخ ٢٠١٨/٠٢/١٨ إلى الوحدة بمعرفة العميل وعلى مسئوليته وتم أخذ بيانات العينات من الخطاب الموجه من العميل إلى الوحدة.



الاختيارات المطلوبة: ١- اختبار تعيين النسبة المثوية للأمتصاص ٣- اختبار تعيين مقاومة الضغط



١ ش السرايات - ميدان عبده باشا - العباسية ١١٥١٧ - القاهرة - ت/فاكس : ٢٤٦٧٤٠٢١

Research Center of Properties and Testing of Materials And Quality Control

Engineering Consulting Center Faculty of Eng. - Ain Shams Univ.

وضبط الجودة مروكر الاستشارات الهنوسية كلية الهنوسة-جامعة عين شوس

وحدة أبحاث

خواص واختبار الهواد

رقم التفرير : F 0108/2018 الناريخ: ٢٠١٨/٠٢/٢٤

نتائج الاختيارات

١ - اختيار تعين النسية العنوية للأمكساس:

تم إجراء إختبار تعيين النسبة العنوية للاستصاص على عدد (٣) عيدات من البلوكات الأسمنتية المغرغة الموردة وكالت نتائج الإختيار كما يلي:

الأمتصاص (كجم/م۳)	الأنتصاص (%)	کثافة شفرسالة (کیم/م۳)	الوزن المضور (جم)	الوزن الجاف (مم)	الوزن المشيع (۱۹۹)	,
177,40	0,11	1101	YEST	17733	171	,
117,35	0,71	7717	YIAY	1750.	17111	1
117,77	0,70	7717	YYYI	1711.	13713	T

٢ - لختيار تعيين مفاومة الضغط :

تم تعيين مقاومة الضغط لعدد (٣) عينات من البلوكات الموردة بحالتها وقت التوريد (طبقا للمواصفات القياسية المصرية م ق.م ١٢٩٦-١٢٥٠)، وكانت نتائج الإختبار كما يلي:

إجهاد التصر (أبوائن/مم ٢)*	(مم) (عباد نبوتن) (ابوتن/مم۲)*		المساحة الصافية المقطع العينة (مم*)	ست (بس)	
11	17.	17174		Y.,.	3
17,1	710	17741	Y01	Y+,+	*
1.0	TV.	1770.		11	r

* تم حداب إجهاد الكسر على أساس المساهة المسافية لمقطع العينة.





أعد التقرير مم / المن زعها

١ ش السرايات - ميدان عبده باشا - العباسية ١١٥١٧ - القاهرة - ت/فاكس : ٢٤٦٧٤٠٢٦

1 El-Sarayat St., Abbasia 11517, Cairo, Tel. & Fax: 24674026 1 El-Sarayat St., Abbasia 11517, Cairo, Tel. & Fax: 24674026



وحدة أبحياث Research Center of Properties and Testing of Materials خواص واختبار المواد And Quality Control وضبط الجودة

Engineering Consulting Center Faculty of Eng. - Ain Shams Univ.

رقم التقرير: F 0107/2018

التاريخ: ٢٠١٨/ ٢/ ١٨١٠٢ تقرير عن تتالج اختبارات على عينات من الطوب الإسمنتي المصمت

> العمول : الشركة الاستثمارية للانتاج والتصنيع المشروع : -

مركز الإستشارات الهنجسية

كلية الهندسة جامعة عين شيس

ورد الى وحدة أبحاث خواص واختبار المواد وضبط الجودة - كلية الهندسة جامعة عين شمس - خطاب من الشركة الاستثمارية للانتاج والتصنيع بخصوص بخصوص إجزاء اختيازات على عيدات من الطوب الاسمنتي المصمت.

العينات الموردة :

- عدد "٢" عينات من الطوب الأسمنتي المصمت بأبعاد اسمية ٢٥×١٢×٢ سم - مصنع الكون بلوك.

ثم توريد العينات بتاريخ ٢٠١٨/٢/١٨ إلى الوحدة بمعرفة العميل وعلى مسئوليته وتم آخذ بيانات العينات من الخطاب الموجه من العميل إلى الوحدة،

الاختيارات المطلوبة:

١- اختبار تعيين مقاومة الضغط

٧- اختبار تعيين النسبة المئوية لامتصاص الماء



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Engineering Consulting Center Faculty of Eng. - Ain Shams Univ.

وصبط الجودة مركز الإستشارات الهندسية كلية الهندسة-جامعة عين شيس

وحدة أبحساث

خواص واختبار المواد

رقم التقرير : F 0107/2018 التاريخ : ۲۰۱۸/ ۲/ ۲۰

نتائج الاختيارات

١ - اغتيار تعين مقاومة الضغط :

ثم اجراء اختيار الضغط على عدد (٣) عينات من الطوب الأسمنش المصمت المورد بحالته وقت التوريد (طبقاً للمواصفات الفياسية المصرية رقم م.ق.م ٢٩٩٢ - ١/٥٠٥) وكانت نثالج الاختيار كما يلَّى :

مقاومة الضغط	حمل الانهيار	الوزن		الأبحاد (مم)		
(ئيونن/مم)	(كىئو نىوتن)	(کجم)	ارتفاع	عرض	طول	,
71,15	44.	T,41V	71	11A	to.	1
*1,*7	37.	7,111	31	334	Yo.	. 4
17,75	at.	7,757	11	114	Yo.	т

- اختيار تعيين النسية الملوية لامتصاص الماء :

ثم اجراء اختبار امتصاص الماء على عدد (٣) عينات من الطوب الأسمنتي المصعت المورد وذلك بعد غمر العينات في الماء لمدة ٢٤ ساعة وكانت تتالج الاختيار كما يلي :

الأمتصاص (كجم/بر۳)	الأستصاص (١١)	كثافة الخرسانة (كجم/م٣)	الوژن العقمور (چم)	الوزن الجاف (جم)	الوزن المشيع (جم)	,
137,77	ν,ν.	1111	44.24	4400	1-11	1
174,71	A, . Y	Y+4A	****	F77A	r431	۲
131,44	Y,53	Y - 1V	1.71	FE9.	TY33	٣





أعد التقرير م.م/ أيمن زكريا

ا ش السرايات – ميدان عبده باشا – العباسية ١١٥١٧ – القاهرة – ت/فاكس: ٢٤٦٧٤٠٢٦ 1 El-Saravat St., Abbasia 11517, Cairo, Tel. & Fax: 24674026

ا ش السرايات - ميدان عيده باشا - العباسية ١١٥١٧ - القاهرة - ت/فاكس: ٢٤٦٧٤٠٢٦ 1 El-Saravat St., Abbasia 11517, Cairo, Tel. & Fax: 24674026



ARDAMAN - ACE CONSULTING ENGINEERS IN

SOIL MECHANICS, FOUNDATIONS & MATERIALS TESTING

4 ABD EL-KAWY AHMED ST., MOHANDESEEN - GIZA TEL.: 33444413 - FAX.: 33631719

Project: ple

File No: 3742

الاستثمارية للانتاج والتصنيع :Client

Date: 27/3/2017

SAMPLING AND TESTING CONCRETE MASONRY UNITS AND RELATED UNITS

ACCORDING TO EGYPTIAN STANDARDS

Nominal dimensions: 40*20*20

Sample delivery date: 23/03/2017

Brand name : By Client Source of sample : By Client

Ident.	Diy		Dimen	isions (cm)			Crusking	Net area Strength	
No.	Weight (gm)	Length	Width	Height	Web	Face shell	Load (KN)	(Kg/cm2)	Shape
1	16937	39.80	20.00	19.90	2.7	2.70	450	137.76	
2	16678	39.90	19.90	20.00	2.8	2.80	400	118.76	1
3 -	17118	39.90	20.00	19.90	2.8	2.80	480	-142.16	
	16911.0	39.9	20.0	19.9	2.8	2.8	443.3	132.9	

(ate (s) z

1- The samples were find gamping with 156 520-22005 which defined by the dream strength for the unit is 1.45 (Norm2) = 35.2 (Lycm2)
2-The samples are provided by the Heyr, unit under this had responsibility.

Prepared by: Eng. Mariana Mousa

Dept. Manager: Eng. Reda El Raheb

ARDAMAN - ACE

CONSULTING ENGINEERS IN SOIL MECHANICS, FOUNDATIONS & MATERIALS TESTING

4 ABD EL-KAWY AHMED ST., MOHANDESEEN - GIZA TEL.: 33448413 - FAX.: 33631719

Project: 240

Test Report

الاستثمارية للانتاج والتصنيع : Client

File No.: 3742

Date :27/3/2017

SAMPLING AND TESTING CONCRETE MASONRY UNITS AND RELATED UNITS

ACCORDING TO EGYPTIAN STANDARDS

Nominal dimensions: 40*26*20

Source of sample : By Client

Ident. No.	Dry Weight	Di	mensions (c	m)	Equivalent	Wet Weight	Suspended	Absorption	Absorption	Unit Weight
	(gm)	Length	Width	Height	Thickness (mm)	(gm)	Weight (gm)	(kg/m²)	(%)	(kg/m²)
1	15902	39.9	20.0	20.0	95.5	17212	9592	171.92	8.2	2086.9
2	15685	39.9	19.9	20.0	94.2	16928	9412	165.38	7.9	2086.9
Average	15794	39.9	20.0	20.0	94.8	17070	9502	168.65	8.1	2086.9

Allowable limits:

1- The samples were find complying with ES 1292-1/2005 with Max, allowable absorption (Average of 3 units) = 208 kg/m² Note (s):

1. The samples are provided by the client and under his quartesponsibilling

Prepared by: Eng. Mariana Mousa

Dept. Manager: Eng. Reda El Raheb



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CONSULTING ENGINEERS IN

SOIL MECHANICS, FOUNDATIONS & MATERIALS TESTING

4 ARD EL-KAWY AHMED ST., MOHANDESEEN - GIZA TEL.: 33448413 = FAX.: 33631719

Project: ala

File Nov 3742

Client: الاستمارية للالناج والتسبع

Date: 27/3/2017

SAMPLING AND TESTING CONCRETE MASONRY UNITS AND RELATED UNITS

ACCORDING TO EGYPTIAN STANDARDS

Nominal dimensions: 40°25°20

Sample delivery date: 23/03/2017

Brand name: By Client

Ident. No.	Dry Weight (pm)		Dimer	rsions (cm)	Crushing	Net area Strength			
		Length	Width	Height	Web	Face.	Load (KN)	(Kg/cm2)	Shope
1	19055	40.00	24.90	20.00	2.5	2.50	320	93.46	. 1
2	18599	40,00	24.90	19.60	2.4	2.60	305	86.97	1
3	18727	39.90	25.00	20.10	2.6	2.50	280	81.25	
	18793.7	49.0	24.9	19.9	2.5	2.5	301.7	87.2	_

100 110 2

The sumples were find <u>completes</u> with ES 1232-1280 With a left of the find, and new strongth for the unit is 3.45 (Neum2) = 3.51 (tycing)
 The samples are provided by the effect and under the orea responsibility.

Prepared by: Eng. Mariana Mous

Dept. Manager: Eng. Reda El Raheb

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CONSULTING ENGINEERS IN SOIL MECHANICS, FOUNDATIONS & MATERIALS TESTING

4 ABD EL-KAWY AHMED ST., MOHANDESEEN - GIZA

TEL: 33448413 - FAX: 33631719

Project

Client: والتصنيع Victing

Test Report

File No. : 3742

Date :27/03/2017

SAMPLING AND TESTING CONCRETE MASONRY UNITS AND RELATED UNITS

ACCORDING TO EGYPTIAN STANDARDS

Nominal dimensions: 40*25*20

Source of sample: By Client

Ident. No.	Dry Weight (gm)	Dimensions (cm)			Equivalent	Wet Weight	Suspended	Absorption	24	
		Length	Width	Height	Thickness (mm)		Weight (gm)	(kg/m ¹)	Absorption (%)	Unit Weight (kg/m²)
I	18716	39.9	24.8	19.9	108,8	- 20007	11370	149.47	6.9	2167.0
2	18516	39.9	24.9	19.9	109.5	19900	11205	159.17	7.5	2129.5
Average	18616	39.9	24.9	19.9	109.1	19954	11288	154.32	7.2	2148.2

Allowable finits:

1- The samples were find complying with ES 1292-1/2005 with Max. allowable absorption (Average of 3 units) = 208 kg/m².
Note (v):

1- The samples are provided by the client and under his well responsibility

Prepared by: Eng. Mariana Mousa

Dept. Manager: Eng. Reda El Raheb



Test Report

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CONSULTING ENGINEERS IN

SOIL MECHANICS, FOUNDATIONS & MATERIALS TESTING

4 ABD EL-KAWY AHMED ST., MORANDESEEN - GIZA

TEL: 33448413 - FAX: 33031719

Project: 2le

File No: 3742

الاستعارية للاتعاج والنصنيع Client

Date: 27/03/2017

SAMPLING AND TESTING CONCRETE MASONRY UNITS AND RELATED UNITS

ACCORDING TO EGYPTIAN STANDARDS

Nominal dimensions: 25*12*6

Source of sample: By client

Brand name: By client

Ident. No.	Dry Weight (gm)		Dimen	islans (cm)		Company Cont		E 0.000 F	
		Leagth	Wath -	Height	Weh	Face skell	(KN)	Net area Strength (kg/cnt')	Shape
1	3723	24.90	12.10	5.90	-	-	455	154.04	Persona.
2	3726	25.00	12.10	5.90	-	-	445	150.05	The same
3	3719	24.90	12.10	6.00	-	-	450	152.34	
Average	3723	24.93	12.10	5.93	-		450	152.14	Townson.

1- The samples were find complying with ES 1292-2/2005 which defined the min, net area strength for the unit is 3.45 (Nimm2) = 35.2 (kg/cm2) end the min, not area strength for average -42.3 highest 2-The samples are provided by the client and under his own.

Prepared by : Eng. Mariana Mousa

Dept. Manager: Eng. Reda El Raheb

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CONSULTING ENGINEERS IN SOIL MECHANICS, FOUNDATIONS & MATERIALS TESTING

4 ABD EL-KAWY AHMED ST., MOHANDESEEN - GIZA

TEL: 33448413 - FAX:: 33031719

Project: ple

الاستثمارية للانتاج والتصنيع: Client

File No.: 3742 Date :27/3/2017

SAMPLING AND TESTING CONCRETE MASONRY UNITS AND RELATED UNITS

ACCORDING TO EGYPTIAN STANDARDS

Nominal dimensions: 25*12*6

Source of sample: By Client

Ident. No.	Dry Weight (gm)	Dimensions (cm)			Equivalent	Wet Weight	Suspended	Absorption	Absorption	Unit Weight
		Length	Width	Height	Thickness (mm)	(gm)	Weight (gm)	(kg/m²)	(%)	(kg/m²)
1	3711	25.0	12.0	5.9	123.0	4039	2225	180.82	8.8	2045.8
2	3614	24.9	12.1	5.9	119.8	3941	2181	185.80	9.0	2053.4
Average	3663	25.0	12.1	5.9	121.4	3990	2203	183.31	8.9	2049.6

 $I-\ \ \, The \, samples \, were \, find \, complying \, with \, ES \, 1292-1/2005 \, with \, Max. \, allowable \, absorption \, \, (Average \, of \, 3 \, units) = 208 \, kg/m^2 \, (Average \, of \, 3 \, units) = 208$

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i- The samples are provided by the client and under his own responsibility

Prepared by: Eng. Mariana Mouse

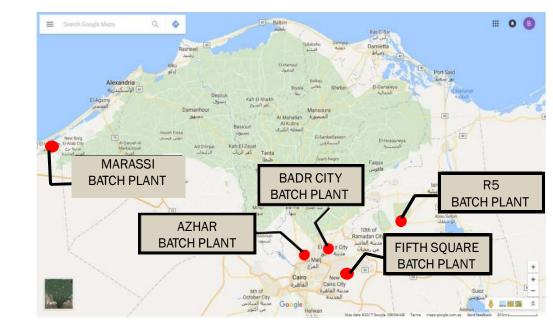
Dept. Manager: Eng. Reda El Raheb



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