





History

For several decades, we have offered total construction services with high standards of quality, integrity, excellent project control and commitment to the needs of our clients.

Our success has been achieved in large part due to our attention to the following basics:

- Skilled management personnel carefully monitor the progress of every project regardless of its size.
- Team of skilled project managers, site engineers, superintendents and field personnel supported with huge number of human resources.
- In house estimating, contracting, project scheduling, purchasing, information system and accounting services.
- Massive number of equipment's and utensils owned by the company.

About us

- Emirates Coast Contracting (ECC) company is a leading construction company in United Arab Emirates. The latest systems and resources in project management are constantly being applied by the company.
- Emirates Coast Contracting has executed several projects including shopping centers, commercial, governmental and residential buildings, hotel towers, villa complexes, luxury villas, multiple floors pa king and public services buildings.
- ECC sets precise strategies for planning procedures, internal resources usages and systems audits in order to ensure the delivery of all projects on time through well organized, effective and economic techniques.

Services offered from Emirates Coast Contracting LLC

- General Contracting
- Project Management

- Steel Structure
- Interior Design / Contracting

- MEP work
- Green Building







Emirates Coast Contracting L.L.C

Material Control Procedures

Materials and procurement is one of many interdependent planning and control systems on a project for example, it must fit in the others. Our approach is simply to merge the procurement activities with the operation activities in the general contract program.

Then a detailed procurement schedule will be made which will list the items, related activity ID, finalize date, required date on site, and a report for materials status which will list the details of material suppliers, its cost and order status expected delivery and the interface point to the project schedule.

The procurement cycle includes the following steps: Note: Not all these steps are required for all type of materials.

- 1. Identific tion or recognition of need during design or estimating stage.
- 2. Qualification of elements needed and operation of procurement specifications.
- 3. Issuance and processing of Internal requisition.
- 4. Solicitation of bids or price quotations.
- 5. Receipt and evaluation of proposals.
- 6. Issuance of purchase order.
- 7. Vendor's or subcontractors preparation and submission of shop drawings.
- 8. Review and approval of shop drawings.
- 9. Fabrication by vendor or subcontractor.
- 10. Tracking and expediting.
- 11. Shipping and traffic.
- 12. Delivery and Inspection.
- 13. Storage and handling on site prior to use.
- 14. On site fabrication operation.
- 15. Installation and testing in constructed facilities.
- 16. Owner's acceptance /rejection. Warranties, corrections and other follow up.





Quality Control

A) PROCEDURES FOR CONTROLLING THE QUALITY OF WORK AT SITE.

The following procedure is effective in providing quality in constructed projects which meets or exceeds desired performance criteria, also documentation to verify the results obtained.

1. Quality control of materials

1-1 Approval of samples:

Material transmittal from which will be submitted to consultant for approval after approval of the material resources.

- 1-2Materialdeliveryschedules:Materialdeliveryschedulewhichconsider the approval period from consultant.
- 1-3 Storage: An approval storage method will be applied to all approved materials.

2. Quality control for working procedure at site:

The following will be submitted to consultant:

- 2-1 Shopdrawing and shopdrawing schedules how saformat for shop drawing schedule.
- 2-2 Method of statement for different type of works.
- 2-3 Suggestions for any changes in specific tion detailed drawings.

3. Quality control for technical staff:

- 1. Organization chart will be submitted to serve the consultant needs
- 4. Quality control of construction procedure at site:

Thefl wdiagramgivesadetailedexampleofhowtheprocedureoperates In case of quality control on concrete construction Note: (Not all the steps are required for all types of materials)

4. Planning for quality control procedures:

The following program will be submitted to consultant separately for approval and of courses hould be coordinated with the general working program:

- 5-1 Program for material submittal.
- 5-2 Program for material delivery dates.
- 5-3 Program for inspection, testing of items required by consultant which meets Project technical specific tion.

B) CORRECTION AND COORDINATION BETWEEN DRAWINGS:

Reference to itemno: (A) which explains the coordination and shopdrawings schedule. Our technical query and let's procedure.

C) COORDINATION BETWEEN ALL TRADERS AND SUBCONTRACTORS.

Every possible effort should be made to assist each sub-contractor to establish mutual coordination and respect among all parties. Each sub-contractors should know he is expected to be working with others to finis their works. Certain programs, reports have been loud to be helpful and reduce the possibility of claims.

- C-1 All subcontractors had to submit a detail program of their works which will be considered in the general working program.
- C-2Weeklymeetingtorallsub-contractorstorupdatingtheprogramco-ordination, solve unexpected difficulti .
- C-3 Sub-contractor status report.

D) PROCUREMENT

Procurement is one of many interdependent planning and control systems on a project and it must fit in the others. Our approach is simply to merge the procurement activities with the operation activities in the general working program. Then the detailed procurements chedule will be made which will list the Items details of its suppliers, its cost and start and end dates for each of applicable procurements teps and the interface point to the project schedule:

The procurement cycle:

(The procurement cycle includes all or some of the following steps).

1. Identific tion or recognition of need during design or estimating

stage.

2. Qualific tion of elements needed and operation of procurement specific tions.

- 3. Issuance and processing of Intimal requisition.
- 4. Solicitation of bids or price quotation.
- 5. Receipt and evaluation of proposals.
- 6. Issuance of purchase order.

ABOUT US

Emirates Coast Contracting LLC, HQ in Dubai, UAE

BRIEF



Established in 2002, Emirates Coast Contracting is a vertically integrated construction company that is best known for delivering turn key special projects in the UAE. The company owns the majority of its supply chain and utilizes mostly in-house resources, giving it a high degree of control over project quality and timely delivery.

Emirates Coast Contracting has grown progressively over the last decades with a clear vision for the future.

Over the years, we have been involved in landmark projects across diverse sectors such as residential, commercial, leisure, hospitality, health-care, education, social infrastructure and industrial.

Our trustorthiness has come from our work with repeated customers, considering their desire to work again with us an essential part of our success and service provided.

BOARD OF DIRECTORS

- Chairman/ Ali Al Shafar Founder and Promoter of Al Shafar Investment one of the leading investment groups in U. A. E.
- Vice Chairman/ Khalid Ali Al Shafar has over 10 years' experience in construction fiel .
- President/ Executive Director Eng. Mostafa Kararmany

Graduated from Ain Shams University, Cairo, Egypt with a B.Sc. in civil engineering in 1979 where he has been working in Egypt in projects for Ministries of Planning, statistics, regulation and mangment, Ain Shams University Bldg., Filtration stations all over Egypt and construction of internal road.

- 1992 till Present in U A E as the following:-
- 1. Project manager in Al Yassmin building, consultant ARENCO
- 2. KFC chain of restaurants located in Sharjah
- 3. Multi story building in Sharjah for Mr. Saeed Al Hanaai from Oman
- 4. 38 Villas in Al Aweer for Dubai Government
- 5. 7NO'S Bldg. (G+M+1+Gym), 1 bldg. 4 floors & 1 bld . G+M+2
- 6. Steel structure for 2 Warehouse, Dafoous warehouse, 58 warehouses at Jebel Ali, Immigration, 500 sheds
- 7. 2B+G+2floor mall /G+6 floor/G+M+5floor / ge number of group of villas / 2mosque.

Jumeirah beach residence (Dubai) Project value AED. 800,000,000.00 Working as a senior construction man-

City star project (Cairo)
Project value LE. 2000,000,000.00
Working as a construction manager
In intercontinental hotels, Holiday inn

Higher college of technology Project value AED. 90,000,000.00 Working as a project manager

Al Yasmin building Project value AED. 80,000,000.00 Jumeirah beach center Project value AED. 40,000,000.00

Project value AED 80, 000,000.00 with Al Shafar

Project value 40,000 000.00 with Al Shafar

Project value AED 1,500,000.00

Project value 15, 000,000.00

Cinema complex (Dubai) Project value AED. 70,000,000.00 Working as a project manager



Planning and Scheduling

For planning and scheduling projects we are extensively using primavera planner (p3) for windows and using its reports and graphics to track schedule variance every time. We enclose herewith (If needed) an example of contract program for project in hand which includes the following:-

- 1. Summary bar chart.
- 2. Detailed construction bar chart.
- 3. Progress curve.
- 4. Project monthly valuation (tabular & graphics).
- 5. Piles casing histogram.
- 6. Concrete histogram.
- 7. Forecast completion of concrete work.
- 8. Bar bending cutting & fixing indic tor.
- 9. Major subcontractor list.
- 10. Provisional material procurement list.
- 11. Contractor material procurement plan.
- 12. Standard Formats used for the project.

The contract program is updated weekly and includes the following:

- 1. Actual start and finish d tes completed activities during updated period.
- 2. Remaining durations, percentage of completion. Early and late start, and finish d tes for all activities not completed.
- 3. Cost & progress payments tables (project monthly evaluation tabular & graph).
- 4. Status of submittals & approvals for materials and subcontractor.
- 5. Time and cost variation order work that will be incorporated into the construction schedule.
- 6. Progress photographs.
- 7. Look ahead program.





HEALTH, SAFETY AND ENVIRONMENT



DESCRIPTION

The health and safety of our employees and everyone else affected byour activities is fundamental to the success of our business. We strive to align our own business practices and principles through the projects we deliver to our clients. The safety of our people and the communities in which we operate always comes firs .

We believe thatour long-term success as a business is dependent upon the ability tokeep our workforce and members of the public safe. Our philosophyis to continually strive for a 'Zero Harm' environment. Accordingly we enforce very strict health and safety procedures throughout our operations, in the belief that all accidents can be avoided by implementing robust risk elimination protocols.

Each operation assesses further controls that may be required to manage the specific risks at their operation to meet the objective of no fatalities.

We continue to provide opportunities for interaction to improve our safety performance. Routine engagement with employees and workers includes healthand safety committees; pre-start meetings; on-site safety coaches, discussing job-specific safety risks; and safety toolbox talks; all of which visibly demonstrate our priority of working safely. In line with our culture of care, we undertake activities to enhancethe physical and mental wellbeing of our employees. This includes the provision of preventative health measures, sport facilities, food catering services at our worker accommodation camps, and employee well-being programs focused on awareness, Support and pro-active management of employees.







TECHNOLOGY

The UAE has a strong vision for developing smarter communities that are powered by cutting-edge technology solutions, although many companies have yet to follow suit in becoming truly digitally-enabled. As the UAE continues its climb to be the leader in innovation and technology globally, EMIRATES COAST is adopting new disruptive technologies that add value to company's partners, customers, and employees. In recent years, we have employed a Chief Transformation Officer and adopted new technologies through new engineering softwares and 3D printing tools. Enterprise Resource Planning (ERP) software is used throughout the company's operations, as is Building Information Modelling (BIM) software to tender, procure, monitor and handover construction projects. Technologies which we are implementing are disrupting traditional models for planning, staffi , monitoring, and delivering projects as the physical world becomes increasingly digitized.

Every single industry will be going through massive digital disruptionover the next decade. If businesses want to survive and thrive, they need to transform. We look forward to entering the next phase of our growth by driving efficie y through digitally-integrated processes. There is significant development in the technology sector that can help EMIRATES COAST to become more streamlined and efficient. Some of these

technologies that we use include:

Building Informa ion Modelling (BIM)

BIM is fast becoming the norm, rather than the exception, in UAEconstruction. BIM makes it easy to visualize, estimate, budget and plan a project from its conceptualization to implementation phase. It also helps different project teams to collaborate on a real-time basis, minimizing expensive reworks, significatly reducing project costs and improving efficiety.

Ultimately, BIM has the potential to be more than just a data tool by becoming an enabling platform for the integration of other technologies. These technologies help us today to bridge the gap between concept and reality.

At EMIRATES COAST, we have a dedicated team developing projects' BIM models.







Major Staff Lis

Designation	Nos.
Chairman	1
Vice Chairman	1
President/Executive Director	1
Chief Accountant	1
Financial Manager	1
Personnel Administration Manager	1
Purchaser	2
Project Engineer	4
Architect	1
Sustainability Consultant	1
Site Engineer	2
Quantity Surveyor	1
Surveyor	/1/
Planner	1
Foreman	5
Skilled Labour	100
Unskilled Labour	70
Skilled Labour	100

List of Machineries

Name	Qty.
Shawel	1 Nos.
Hoist Machine (Material)	2 Nos.
Tower (Crane)	1 Nos.
Bobcot	2 Nos.
Concrete Mixers	3 Nos.
Vibrators	7 Nos.
Plate Compactors	4 Nos.
Roller Compactors	2 Nos.
Air Compressors	1 Nos.
Power Floating	2 Nos.
Pick Up	3 Nos.
Gene <mark>rator 60 Kw</mark>	1 Nos.
Generator 50 Kw	2 Nos.
Scaffolding (K- Lock)	15,000 M ²
Electric Jack Hummer	3 Nos.
Portable Cabinet	8 Nos.
Bus 25 Passenger	1 Nos.
Bus 83 Passenger	1 Nos.
Electric Jack Hummer	2 Nos.





Brief of Handed-over Projects



Emirates Coast Contracting L.L.C

Project Name & Location	Name of Client	Consultant	Contract Price
4 Bldg. G+M+2 @ Al Suq Al Kabeer	Mr. Abdulla / Mr. Siddiq / Mr. Mohairy	Al Maktab Al Asri Engg. Consultant.	12,000,000.00
G + Mezz + 2, At Hor Al Anz	Mr. Al Murr Saeed	Al Maktab Al Asri Engg. Consultant.	2, 150, 000.00
G + 1Mezz + 1 + 1R, At Ayal Naser	Mr. Ahmed Rabiya Mohd. Sharif	Future Design Engineering Consultant	2, 500, 000.00
Mosque @ Sharjah	Mr. Mohd. Ali Juma Bu Faroosha	Space Consultant	3,000,000.00
Mosque @ Dubai	BY MOHD ALI BU FAROOSHA	AL MAKTEB ALASRI	2,500,000.00
G + Mezz + 1, At Naif	Mr. Mahmoud Mohd. Saleh Abdulrahman	Future Design Engineering Consultant	2, 500, 000.00
58 ware houses @ Jabel Ali Ind. II	Shaikh Saeed Bin Mohd. Bin Hasher Al Maktom	BEL-YOAHAH Architectural & Engineering.	33,000,000.00
2 Basement + G + 2 @ Al Bada'a	Mr. Ali Abdulla Ali Al Shafar	DESIGN CENTER Architectural & Engineers	45,000,000.00
G + 6 Building @ Al Warqa'a	Mrs. Rawdha Mohd. Muayedh.	FAKRY Engineering Consultant	14,000,000.00
Steel structure @ Al Jafflia ubai	Immigration and Passport Department	Engineering Consortium Consulting Engineer	4,799,999.00
G+M+4+Gym @ Al Rigga	Al Sahoo Real Estate.	Future Design Consultant	8,500,000.00
B+G+2+Gym @ Al Muteena Dubai	M/S Saken Properties L.L.C.	"ARCHDOME Consulting Engineers."	8, 000, 000.00
"2B+G+4F+Loft+R @ Jumeirah Village	M/S. ICI Investment Limited	Dimensions Architects	22, 000, 000.00
Modific tion G+4 @ Buteen, Dubai.	"Mr. Mohd. Ali Musabbah Al Qaizi Al Falasi"	"Al Abbasi Architecture & Eng. Consultants."	10, 000, 000.00
G + 3, @ Al Mamzar	with Al Shafar	Dubai Consultant	45,000,000.00

Projects With Al Shafar

Ware house @ Jabelali	Mr Yousuff Abdullah	Adanan Safarini Consultant	5,800,000.00
38 Villa @ Al Aweer	Government Of Dubai.	Zabeel Consultant	38,000,000.00
Alyasmeen bldg	with Al Shafar	ARENCO	80,000,000.00
G + 3, @ Al Mamzar	with Al Shafar	Dubai Consultant	45,000,000.00

List of Projects Underway

G+M+3F+LR+UR @ Al Rigga	Al Ghurair Properties	Arif & Bintoak Consulting Architects & Eng	\$ 9,000,000
B+6F+Roof @ Al Raffa Bur ubai	Al Ghurair Properties	Al Turath Enginnering Consultants	\$ 15,000,000
General MEP Services to Archi-	Dubai Municipality- Architectural Heritage	Dubai Municipality- Architectural Heritage	\$ 1,500,000
tectural Heritage & Antiquities	& Antiquities Department	& Antiquities Department	
Dept. at Al Shindagha	0		





Project Name : 2 Basement + G + 2 @ Al Muteena

Client Name : Saken Properties L.L.C
Consultant : Arch Dome Consultant
Location : Dubai, United Arab Emirates

The agreement period : 15 Month

Green Building percentage : 20 %

Maintenance duration : 12 Month









Project Name : G + M + 4 + Gym @ Al Rigga

Client Name : Al Sahoo Real Estate.

Consultant : Future Design Consultant

Location : Dubai, United Arab Emirates

The agreement period : 12 Month+1month
The Actually Period : 12 Month+1month

Green Building percentage : 20%

Maintenance duration : 12 months









Project Name : G + 6 Building @ Al Warqa'a
Client Name : Mrs. Rawdha Mohd. Muayedh..
Consultant : FAKHRY Engineering Consultant
Location : Dubai, United Arab Emirates

The agreement period : 14 Month+1MONTH
The Actually Period : 14 Month+MONTH

Steel Structure percentage : 20% Maintenance duration : 12 Month











Consultant : Design Center Architect. & Eng. Conslt.

Location : Dubai
The agreement period : 24 Month
The Actually Period : 24 Month

Green Building percentage : 25 %

Maintenance duration : 12 Month









Project Name : G+4 Building at Al Buteen, Dubai Client Name : Mr. Mohammad Ali Musabeh Alqaizi

Alfalasi

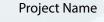
Location : Dubai, United Arab Emirates

Consultant : Al Abbasi Architecture & Eng. Consultant

The agreement period : 12 Months
The Actually Period : 12 Month

Green Building percentage : 1 %

Maintenance duration : 12 Month



: Installation of Car Parking Shades on Plot No. 323-0485 at Al Jafili a, Dubai (General

Directorate of Residency and Foreigners

Affairs

Client Name : Immigration and Passport Department
Consultant : Engineering Consortium Consulting Engs

Location : Dubai, United Arab Emirates

The agreement period : 12 Month
The Actually Period : 12 Month













Maintenance duration



G+M+2 @ Hor Al Anz

Al Mor Saaid Ali Bn Helwa Al Maktab Al Asri Eng.









Project Name

Client Name Consultant Location

The agreement period The Actually Period Maintenance duration Steel Structure Roof Works to the Existing Immigration Building at Al Jafili a, Dubai

Immigration and Passport Department Engineering Consortium Consulting Engs.

Dubai, United Arab Emirates

12 Month 12 Month

12 Month





Project Name

Client Name



Consultant Location The agreement period The Actually Period Maintenance duration Main Store for Transport & Rescue Complex On Plot No. 624-0107 - Warsan4th- Phase III.

: General Department of Services & Supplies-**Dubai Police**

: ARC International Engineering Consultants

Dubai, United Arab Emirates

14 Months 14 Months : 12 Month









Project Name : B+6F+Roof @ Al Raffa Bur Dubai Al

Client Name : Ghuraitr Properties

Consultant : Al Turath Enginnering Consultants

Location : Dubai, United Arab Emirates

The agreement period : 18 Month+1month

The Actually Period : NA
Steel Structure percentage : 1%
Green Building percentage : 30%
Maintenance duration : 12 Month

Project Name : G+M+3F+LR+UR @ Al Rigga Ghuraitr

Client Name : Properties

Consultant : Arif&Bintoak Consulting Architects &

Engineers

Location : Dubai, United Arab Emirates

The agreement period : 18 Month+1month

The Actually Period : NA
Steel Structure percentage : 1%
Green Building percentage : 30%
Maintenance duration : 12 Month

Project Name : Design & Build New Offices at

Central Services Complex Block 3, on Plot No. 323-0512 at Jafiliya, Dubai

Client Name : Dubai Health Authority- Central

Services Complex

Consultant : Al Badiya Engineering Consultant

Location : Dubai

The agreement period : 12 Month+1month

The Actually Period : 12 Months



Mosque Construction







Steel Structure Work

We are a leading company in the steel structure industry, offering a wide variety of solutions and techniques. Emirates Coast contracting Co. has been specializing in designing and manufacturing Steel Structure Buildings, Steel Structure Workshop, Steel Structure Warehouse and Container houses.





Steel Structure Work

Steel structure for 2 warehouse, dafoous warehouse, 58 warehouses at Jebel Ali, Immigration, 500 shad & all parkings.





Steel Structure Work













MEP DIVISION



SERVICES

ECC offer complete MEP contracting solutions from design, supply, installation, testing and commissioning of the MEP systems that include Electrical, Fire Alarm, Low Current, Plumbing, Drainage, Fire Fighting, HVAC as per the requirement of the local authorities of the U.A.E. for commercial and residential buildings, group of villas, hospitals, shopping malls, high rise towers, infrastructure and industrial projects.

HVAC

- The services include Heat Load Calculation, selection of equipment and Energy Conservation in terms of savings in power, building automation (BMS), etc.
- AC system consists of DXType, Chilled Water system viz: Reciprocation Screw Chillers & Centrifugal Chillers, Central plants in the Gulf Region, Chilled Water Pipes, fitting, valves and related accessories, etc.
- Fabrication of ducts in accordance with SMACNA / DW 142 standard and to install as per ASHRAE standard.
- -Specialized systems viz: Smoke Management Systems, Staircase Pressurization system, etc. The installation team has been trained to take care of specifinoise / vibration control measures prior to erection of any equipment viz: Chillers, Pumps, Air Handing Units, Fan Coil Units, Extract Fans, etc.
- Air balancing / water balancing prior to final esting and commissioning activities in accordance with CIBSE.



MEP DIVISION



PLUMBING

Drainage System: Underground / Aboveground Drainage Systems that include pipes, fitting, floor drains, cleanouts, rain water outlets, catchment basins and channel gratings, sewage and storm water lifting station, etc.

WaterSupplySystem:DomesticColdandHotWaterSystemsthatincludewatertransferandboosterpumps,watertanks,waterheaters(centralanddomestic), cool water systems, water filt ation and water treatment systems, etc.

Fire Fighting System: Sprinklers, fi e hose reels, landing valves, pump sets, piping with valves & accessories, FM200, Deluge systems, etc. Sanitary Wares: Water closets, wash hand basins, bidets, bath tubs, shower trays, Jacuzzi, whirlpools etc.





ELECTRICAL SERVICES

- Supply and installation of H.T. Switchgears, Cable and Termination, etc. Lighting and Small Power Systems that include Conduiting & Wiring, Cabling and Termination, Main Distribution Boards, Sub Main Distribution Boards, Power Factor Correction Capacitor Banks including Generator and ATS Panel.
- -LowCurrentSystemsthatincludeConduitingandWiringforCCTV,AccessControl,GateBarrier,StructuredCabling,LightingControl,Intercom,SMATV / MATV, PABGM, etc.
- Bus-bar Riser Systems, Cable Tray with ladder and trunking.
- Supply and installation of Fire Alarm & Central Emergency Systems and UPS.
- Lightning Protection and Earthing Systems.



MEP DIVISION

ORGANISATION CHART

Emirates Coast Contracting includes a competent team of qualified and experienced workforce to carry out high caliber MEP projects. Having a vast industrial experience of more than 20 years in MEP (Mechanical, Electrical & Plumbing) services, we have gained our expertise in offering Consultancy Services. Our services include HVAC Air Conditioning Design, Electrical Design, HVAC Air Conditioning, Industrial Ventilation Systems, Air Conditioning Service, Integrated Building Management System (BMS), Domestic Ventilation System, Plumbing/Sanitary & Fire Protection, Fire Protection and Consulting Services.

Our MEP Services include the following:

Electrical Engineering

Mechanical

HVAC Engineering

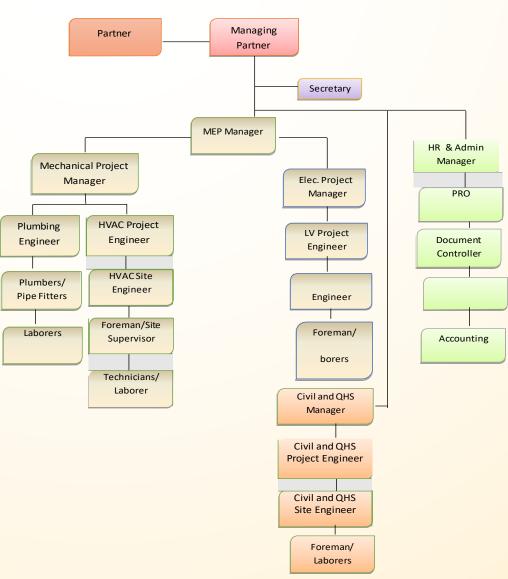
Plumbing and Drainage System

Fire Fighting/Sprinkler System

MEP Quantity Surveying Services

Building Management Systems

PA/CCTV/Access Control/UPS



Emirates Coast Contracting L.L.C

MEP SERVICES

G.I. and P.I. Ducting Installation System

Chilled Water Piping System

Package Units, DX Units and Fan Coil Unit

Installation

Ventilation Systems

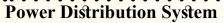
Ecology Unit Installation Systems

Kitchen Hood Exhaust and Fresh Air System

Chemical Flushing and Third-Party Testing

Reports

Air Balancing System and Certifications



Lighting Control

Power Generation

Low Current Systems

Telephone & Data Systems

Home Automation MATV Systems

CCTV

Fire Detection & Alarms

Access Control Systems

Audio/Video Intercom Systems

Industrial Process Services P.A

Sound Systems









Plumbing

Hot and Cold-Water Supply System

Water Filtration

System

Irrigation System

Swimming Pool

Drainage

Sanitation

Rainwater

Sewage Treatment

LPG/NG System





FIRE FIGHTING SYSTEM

FIRE FIGHTING-SPRINKLER INSTALLATION AND MODIFICATION SYSTEM

- •Fire Alarm-Installation and Modific tion
- •FACP Programming, Testing and Commissioning
- Emergency/Exit Lighting System
- •Civil Defense Approval and EHS Certific tion
- •Fire Suppression System









GREEN BUILDINGS

Improving quality of life and quality of construction by addressing:

- Durability.
- Life safety & accessibility.
- Interior environment (ventilation & daylighting).
- Structural design & inpection.
- Materials-durability and combustibility & ecological impact (cement replacement).
- Flood resistance.

Improving indoor air quality, reducing CO2 emissions and protecting the ozone layer through:

- Prescribed minimum outdoor air %.
- Minimum ventilation rates to protect occupant health.
- Design of duct work to promote efficie y (insulation, leakage).
- Zone and air distribution effectiveness.
- Minimum car park ventilation rates.
- Exhaust systems.
- Refrigerant classific tions.
- Thermal storage & ground source heat pump systems.

Following Green building construction, it aims to reducing the carbon dioxide emissions

On-site Supply of Renewable Energy - The building or surrounding property shall supply 3% or more of building energy use with on-site renewable energy.

Scope-The following systems and loads shall be used to calculate the total building performance:

- Cooling systems
- Heating systems
- Service water heating
- Fan systems
- Lighting power
- Receptacle loads
- Process loads









Al Shafar Marbles











LIST OF MACHINERIES

Qty
1No-
2 Nos
2 Nos
3 Nos
8 Nos
3 Nos
2 Nos
2 Nos
2 Nos
3 Nos
1 Nos
2 Nos
1 Nos
8 Nos
8 Nos
ıs 2 Nos
ıs 2 No.s
al) 1 Nos









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