



AHMED AL SADOON

ARCHITECTURE & CONSTRUCTION MANAGEMENT



ABOUT

A registered Architect with 8 years of experience, and Category (B) License in CRPEP Experience in both Private & Public sector. in Consultant & developer roles.

Awarded Masters of Science in Construction Project Management from University of Dundee - UK, and Bachelor in Architectural Engineering from Gulf University, Bahrain.

My project experience includes full pre & post-contract responsibilities across a variety of project types and utilizing a range of design scopes. Certified in AutoCAD, Revit, ArchiCAD, Ms Project and Photoshop.



CONTACT



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PROFICIENCY & SKILLS

Autodesk Revit	<div></div>
Autodesk AutoCad	<div></div>
Microsoft Project	<div></div>
Microsoft Office	<div></div>
Adobe Photoshop	<div></div>
Adobe Illustrator	<div></div>



WORK EXPERIENCE

- Ministry of Youth & Sports - Projects Directorate (Nov 2018 - Till Date)**
 - Developing Ministry projects, reporting to AUS Office & HEM Office.
 - Feasibility study for potential projects, Arch Design & Cost Estimates.
 - Preparing Tenders & RFPs, appointing & supervising: consultants & contractors.
 - Managing projects cost & Program, across the full project life-cycle.
- Mohammed Salahuddin Consulting Engineering Bureau (MSCEB) – Architect (May 2013 - Nov 2018)**
 - One of the top Class “A” Consultancies in Bahrain.
 - Employee of the Year in 2015.
 - A number of successful design competitions.
 - Led design team of a number of critical projects to a notable success.
 - Project Design, Coordination, and Management.
 - Coordination with Authorities, Suppliers and sub-Consultants.
 - Value of undertaken projects ranges up to 120 Million Bahraini Dinar.
 - Variety of project types include: Residential, Commercial, and Recreational.
- City Engineering – Site Engineer (Dec 2012 – May 2013)**
 - Led inspection team to notable success by completing 150 Viva Bahrain Sites in 3 months.
 - Site Engineer for “Alarjan” Project in Buguwa.
- Kingdom University – Lecturer (March 2016 – July 2016)**
 - Part-time Advanced Computer Techniques course.
 - Trained students on a number of Adobe design software.
 - Notable improvement in students’ competency.
- Gulf University – Lecturer (Sep 2014 – March 2015)**
 - Part-time Interior Design course.
 - Trained students on a number of Adobe design software.
 - Notable improvement in students’ competency.



EDUCATION

- M.Sc. Construction Enterprise Management**
University of Dundee – UK – (2011 - 2012)
- B.Sc Architectural Engineering**
Gulf University – Bahrain – (2007 – 2011)



MEMBERSHIP

- The Council for Regulating the Practice of Engineering Professions**
Category (B)
- International Association of Engineers**
Since 2015



LANGUAGES



ENGLISH



ARABIC



PUBLICATIONS

○ The Power of Architecture - COEDS Magazine - July 2016



○ The Power of Architecture - COEDS Magazine - July 2016

Ahmed Al Sadoon is far beyond his years. He is an architect at Mohamed Salahuddin Consulting Engineering Bureau (MSCEB) and has an academic lecturing experience in a couple of universities in Bahrain. He graduated with a B.Sc in Architectural Engineering and an M.Sc in Construction Management and he's not stopping there. Read on as we ask Ahmed about his work as an architect and lecturer, and talk about his future aspirations.

Thank you for meeting with us Ahmed. First of all, why did you choose architecture as your profession? Was it your childhood wish?

It wasn't really my childhood wish. I wanted to be a pilot as a kid, the idea of flying and wearing the uniform intrigued me. However, when I graduated high school and explored my options I fell in love with architecture. Unlike many other professions, in architecture every project is as unique as a finger print; you are constantly presented with new challenges that teach you and make you grow as a person.

You graduated at 22, became employee of the year in 2015 and participated in over 15 projects, how long did it take for you to achieve this recognition and what helped you?

I started working with MSCEB in 2013 and after a year and a half I was honored to be awarded employee of the year. MSCEB carries out significant and diverse projects, which gave me an incredibly valuable experience that helped me, in addition to the commitment to quality and the consistency in performance. My work colleagues have also

"IN ARCHITECTURE EVERY PROJECT IS AS UNIQUE AS A FINGER PRINT"



Sheikh Zayed Mosque

COVER STORY



THE POWER OF ARCHITECTURE

GRADUATED WITH A MASTER'S DEGREE AT AGE 22, EMPLOYEE OF THE YEAR AT AGE 25, AND A SUCCESSFUL ARCHITECT AND ENGINEER WITH A BACKGROUND IN CONSTRUCTION MANAGEMENT. AHMED AL SADOON SPEAKS ABOUT HIS PROFESSION AND AMBITION.

Article by Dalqees Akram



CO-EDS JULY 2016

JULY 2016 CO-EDS 17

INSIDE OF THE MOSQUE



"ARCHITECTURE IS LIKE PUTTING TOGETHER THOUSANDS OF PUZZLE PIECES TO END UP WITH ONE WHOLE MEANINGFUL PICTURE."

created a little environment for excellence. Additionally, I find myself more productive when I am not multitasking. I rather focus on one task at a time and I give it a 110%.

Who and what inspires you in architecture?

Santiago Calatrava inspires me greatly. He is a Spanish neofuturistic architect, structural engineer, sculptor and painter. I admire the uniqueness and dynamic nature of his designs. I am also inspired by my travels. I studied my Master's degree in Scotland and I would visit the UK whenever I had the time. I loved the old architecture and how well preserved their historical buildings are. I also love Istanbul because their urban planning is beautifully laid out and full of life.

Bahrain is a multicultural place; do you think it's difficult to maintain traditional architecture with all these cultures mixing?

I feel like traditional architecture is well maintained in Bahrain, and that the added multicultural flavor only enriches the architecture and reflects the true diverse and open nature of Bahrain. I think that's beautiful and lies within the core values of architecture. Generations will witness this diversity and openness through its built environment.

Which project of yours is your favorite?

My favorite project was the Shaikha Hessa Mosque extension in West Riffa. I think it's one of the most beautiful Mosques in

Bahrain. It was exciting to work on because it had to be completed in a short span of time for a long-term client. It was also special because it was the first project where I was leading the design team gladly to a successful completion.

Which part of your profession do you enjoy the most?

I enjoy the design process the most; from conception to design development, the process of making critical decisions based on numerous factors starting from the nature of the project, the client's aspiration, site analysis, regulations and guidelines, etc. It is like putting together thousands of puzzle pieces to end up with one whole meaningful picture.

Where do you see yourself in 10 years?

My aim is to improve the quality of lives through building design, and I hope I can contribute to the growth of Bahrain in my field and abilities. In 10 years I hope I will be running my own design firm that will adopt Building Information Modeling (BIM) services across the entire project's life cycle.

What are the 5 values an architect should have?

Integrity, hard worker, leadership, creativity and resourcefulness.

If you're not designing, what are you doing?

I like playing football and tennis. I also like writing and I can get lost in a good book.

What do you expect for the future of architecture in Bahrain?

I expect BIM technology to be surely adopted across the industry in Bahrain, this is where the Engineering field is heading, and some countries are already regulating it like the UK and the UAE and others. In MSCES we are already using the technology and are noticing its revolutionary advantages. This is especially ground-breaking if suppliers widely adopt the technology; however, it will have obstacles of implementation in the beginning.

How would you describe your architectural style?

I believe that a building is more than just a shelter and architecture has to excite you and make you think. So my designs follow this belief and are rooted in the authenticity and the historical heritage of the place.

You also have experience teaching in universities, what suggestions do you have to improve the courses?

I think it's time for BIM to be taught in AEC fields of study. I also think it would be effective to involve more practical applications in the academic programs, more hands-on sessions and there should be more case studies. The students should have a taste of the industry dynamics from an early stage.

Any advice for architect students?

"The more you sweat in practice the less you bleed in battle." Set your goals and commit to them, and don't be afraid to dream big.

COVER STORY



NEW BUILDING

CO-EDS JULY 2016

JULY 2016 CO-EDS 15



Harvesting Daylight

Electricity and water tariffs for expats in Bahrain will increase by double starting March. The increase would continue until the year 2019 reaching the actual production cost of these two vital services. In this context it's time to think of energy efficient home designs in Bahrain. Before you design a new home or remodel an existing one, consider investing in energy efficiency. You'll save energy and money, and your home will be more comfortable and durable. Gulf University Interior Design Engineering Student Balqees Akram interviewed some architects for DT News. And here are their recommendations.

Ahmed Al Sadoon
Architect at MSCEB



DAYLIGHT IS A POWERFUL RESOURCE

Daylight is a powerful resource we have plenty of in Bahrain. If properly utilized, it can reduce as much as one-third of total building energy costs. The architectural design of houses and flats can play a vital role in doing that.

For example, avoiding unwanted shading through careful design of the height of a building in comparison to nearby structures. In order to achieve maximum exposure, the orientation of the building must be studied, for instance maximizing the north and south-facing façade while minimizing the façade facing east and west to better control daylight admittance. Furthermore, long and narrow building forms better maximize daylight harvesting.

The sizes and placement of windows must be designed in a way that allows for enough daylight while avoiding the admittance of direct sun on task surfaces or into the occupants' eye levels. For example, south windows should not be oversized to avoid glare and excessive heat gain, in contrast, north windows are to be utilized to bring in diffused light and require a glazing treatment for low heat loss. However, this shouldn't be over done as oversized windows can cause excessive heat gain and thus require higher cooling load in summer and increased heat loss in winter.

When designing windows and skylights, it is essential to select the correct window glazing. Factors to be considered include the solar heat gain coefficient, the U-value to avoid heat loss and light transmission for good visibility. Besides ensuring that the thermal break of the window frame construction is effective.

To increase the daylight level in the depth of the living space, interior surfaces of high reflectance are preferable, such as using light muted colours for ceilings and surfaces next to windows for indirect lighting, and avoiding dark surfaces, especially for back walls. To better avoid glare, it is ideal to locate the reflector system above the eye-level.

In summer, buildings with large glazing areas can lead to increased heat, which in turn can result in higher energy consumption for cooling; this necessitates the use of shading devices to achieve thermal comfort. Trees can be a natural solution, alternatively the use of technical elements such as insulation, louvers, fences, shutters can also be effective.



Skylights offer excellent daylighting and have the potential to displace much electric lighting, thus saving on lighting and, potentially, cooling energy.



Dr. Ghaleb Khader
Bahrain Architect
and Interior
Designer



IT'S REALLY NOT THE CASE OF QUANTITY BUT QUALITY

Within Bahrain, improving the accessibility of daylight to reduce electrical consumption could be done basically by allowing more sunrays into the rooms; however, it's really not the case of quantity but quality.

Bahrain is a sunny island located in a hot region and therefore the risk of raising the indoor temperature by increasing the sun light amount coming into the room is high. If the comfortable zone aspects were not considered the rising temperature would waste way too much more electrical power over cooling system than what would be saved by reducing power consumed by artificial light.

Hence, the first consideration must be the function of the room itself: a study room or home office would need different light amount than bedrooms; therefore the size of the windows and the location of the room should be decided upon. For example, bedrooms should be located on the north while the study room should be in the south.

The height of the window could be considered as well because light coming from the part of the window which is from the ground to one-and-half meter height is nearly useless functionally while the part from above one-and-half meter to three meters is the most valuable functionally.

Then consider the location of the window in the room; if we take a bedroom as an example, locating the window over the bed would be rather disturbing than functional while locating the window over the dressing would help reducing the light needed while selecting clothes.

Finally, the materials play a major role in allowing the needed light without raising the room temperature noticeably; however the material should, at the same time, maintain the quality of light tone because some materials do shade some colours of the light which could disturb the eye and reduce the visibility.

Rula Nohad Alsharrah
Architect



ENERGY-EFFICIENT GLAZING SYSTEMS

Thermally efficient windows and doors not only help reduce energy use, they provide value by reducing heating and cooling costs. The energy-efficient glazing systems used by Marvin are state-of-the-art.

Skylights offer excellent daylighting and have the potential to displace much electric lighting, thus saving on lighting and, potentially, cooling energy.

Skylights are widely viewed as a desirable feature for buildings that have human occupation during at least daylight hours.

Shades can keep the heat and glare of direct sun from coming through windows. They can also keep direct sunlight off of walls or roofs to reduce cooling loads.

Energy efficient windows make your home more comfortable, dramatically reduce your energy costs and help to create a brighter, cleaner and healthier environment.

The SHGC is the fraction of incident solar radiation admitted through a window, directly transmitted as well as absorbed and subsequently released inward.



AWARDS

- Employee of the Year - MSCEB - By Eng. Thamer Salahuddin - Dec 2015



- Award by Minister of Youth & Sports H.E Ayman Al Moayyad - May 2019



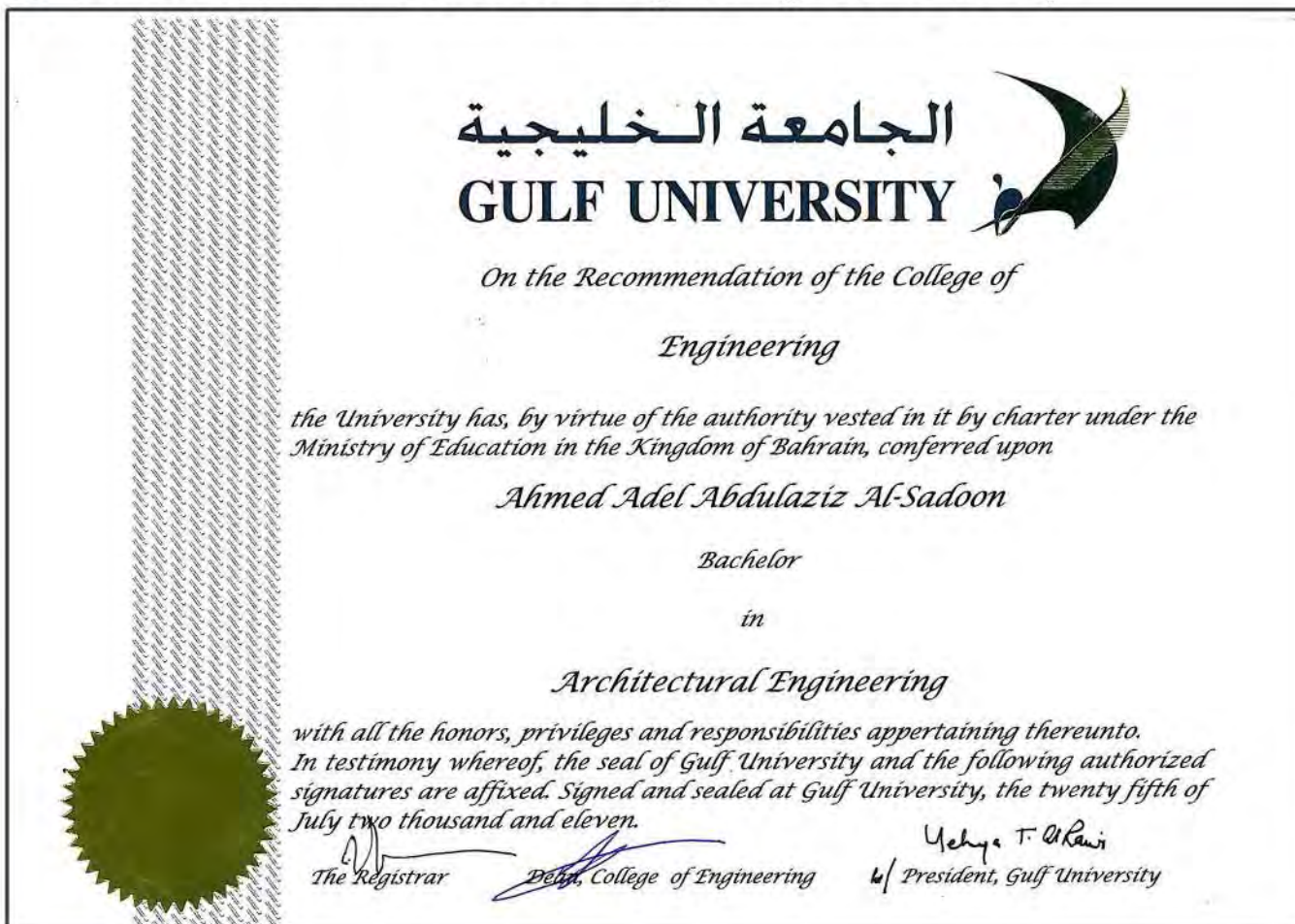


CERTIFICATES

○ Masters of Science - Construction Enterprise Management - University of Dundee



○ Bachelor of Science - Architectural Engineering - Gulf University





CERTIFICATES

○ Employee of the Year - MSCEB - 2015



○ Autodesk Revit Training Certificate - ATC





CERTIFICATES

○ The Power Within Conference - Origin Group



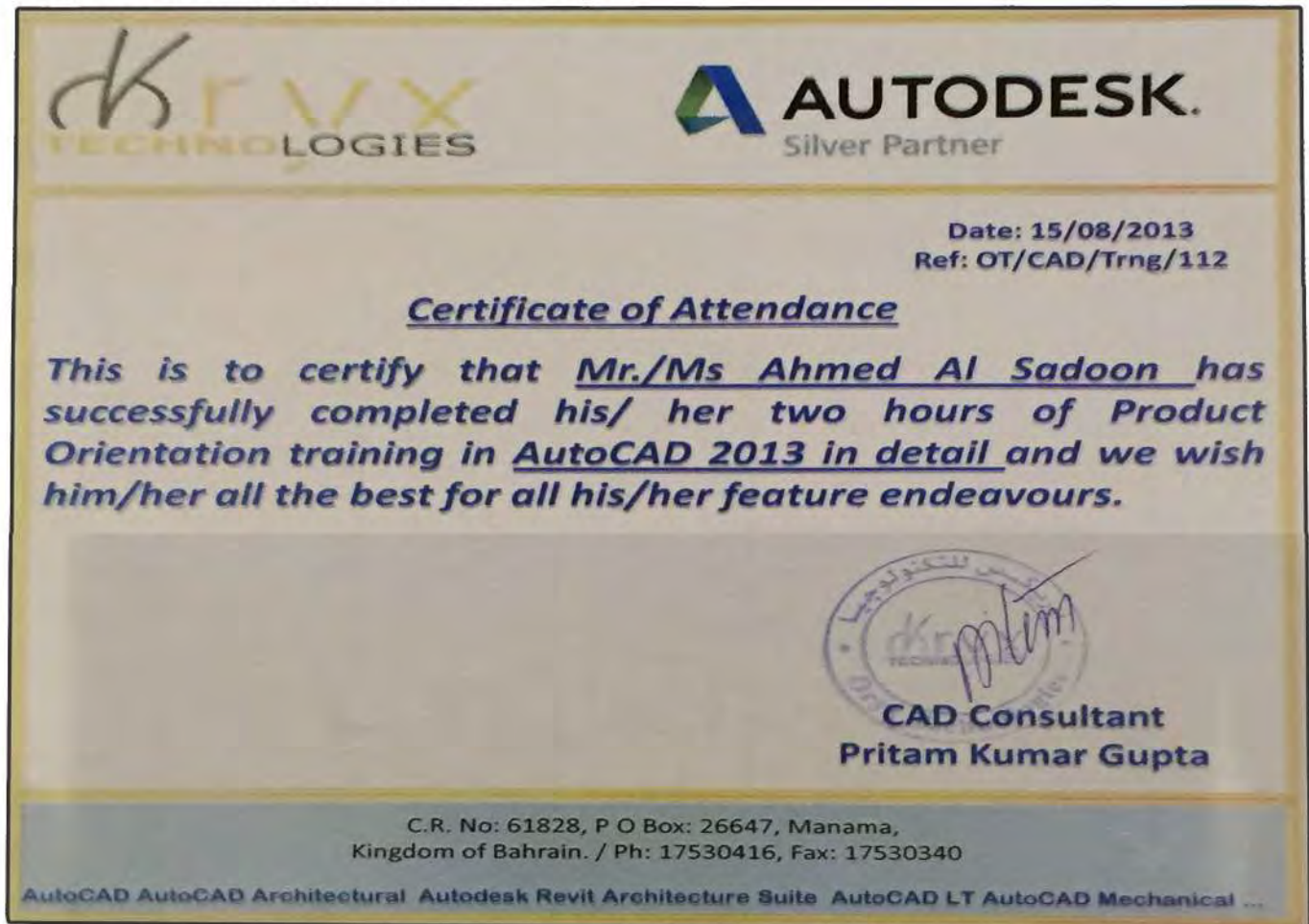
○ Architecture Forum - University of Bahrain



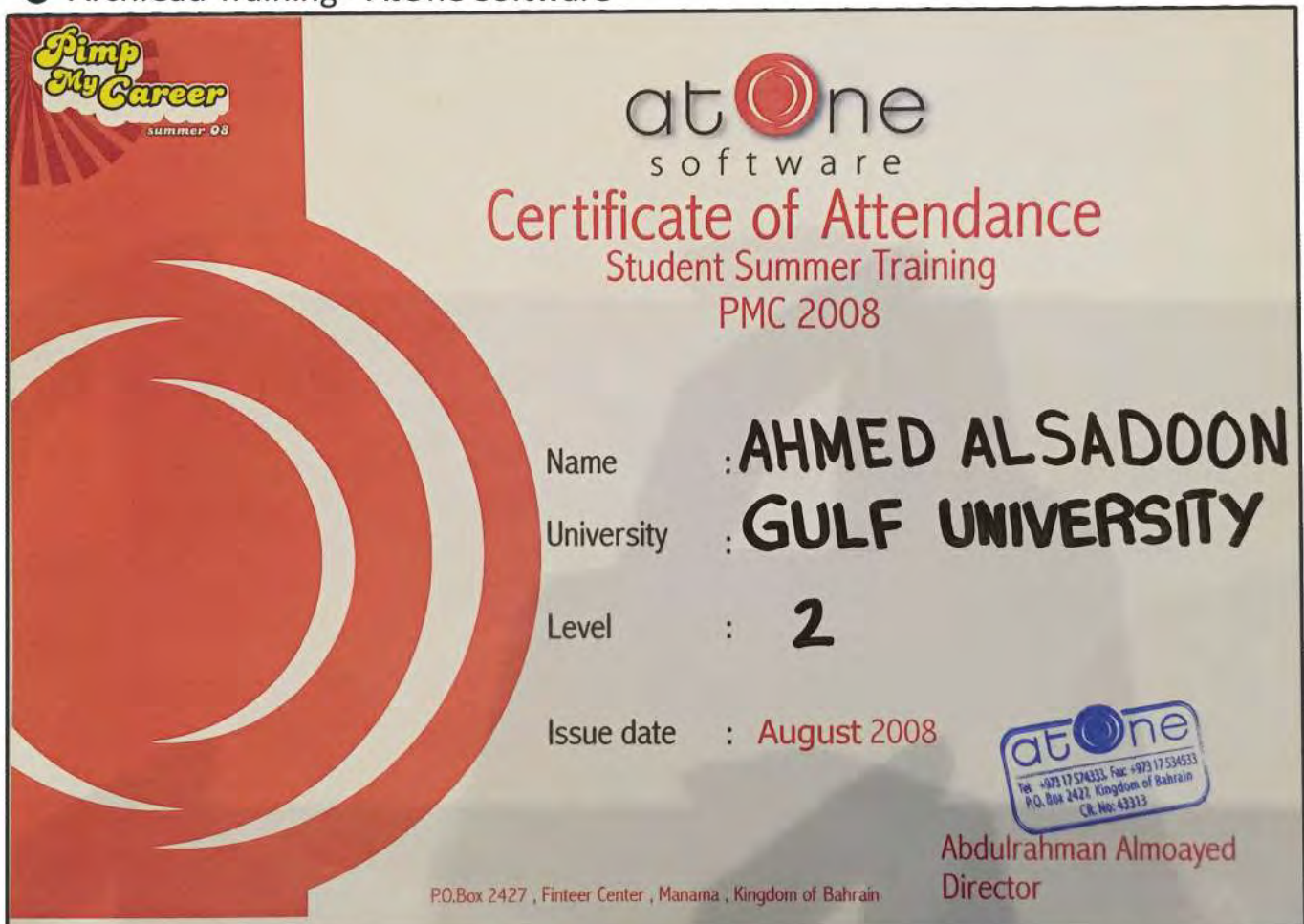


CERTIFICATES

○ AutoCad Training - Vryx Technologies



○ ArchiCad Training - AtOne Software





WORK SAMPLES



PROJECT	SHAIKHA HESSA MOSQUE
PROJECT NUMBER	12165M
LOCATION	JARI ALSHAikh - WEST RIFFA
PLOT AREA	2800 SQM
BUA	5,000 SQM
SCOPE	DESIGN DEVELOPMENT TO TENDERING
STATUS	COMPLETED
PROJECT COMPONENTS	MEN'S & LADIES PRAYER HALL
	MAJLIS & LIBRARY & FACILITIES



PROJECT	RETAIL COMMERCIAL CENTER
LOCATION	MUHARRAQ
PLOT AREA	4,572 SQM
BUA	10,270 SQM
SCOPE	DESIGN DEVELOPMENT TO TENDERING
STATUS	UNDER CONSTRUCTION
PROJECT COMPONENTS	SERVICE BASEMENT
	SHOWROOM AT GROUND FLOOR
	EXTERNAL SHOPS
	OFFICES AT 1 ST FLOOR



PROJECT	BCFC - BAHRAIN COMMERCIAL FACILITIES COMPANY NEW HQ
LOCATION	ISA TOWN
PLOT AREA	1626.8 SQM
BUA	9961.56 SQM
SCOPE	CONCEPT - TENDER
STATUS	COMPLETED
PROJECT COMPONENTS	GROUND + 3 PODIUM + 5 OFFICE FLOORS ROOF AMENITIES



PROJECT	GRAVITY SKY DIVING CENTER
LOCATION	ZALLAQ
SCOPE	INTERIOR DESIGN
STATUS	COMPLETED



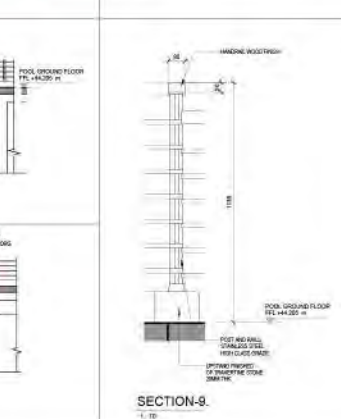
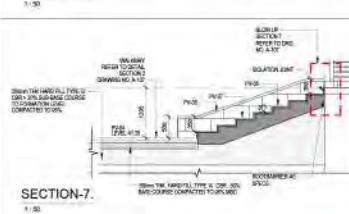
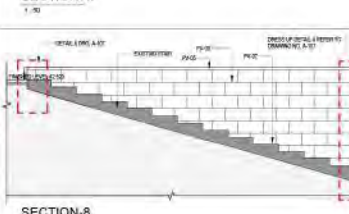
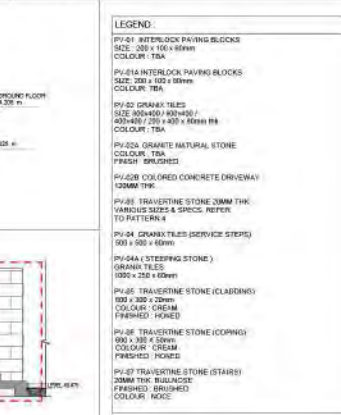
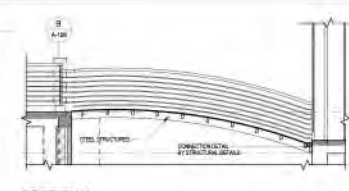
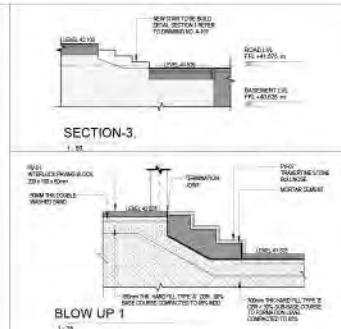
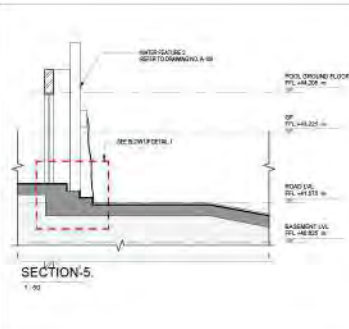
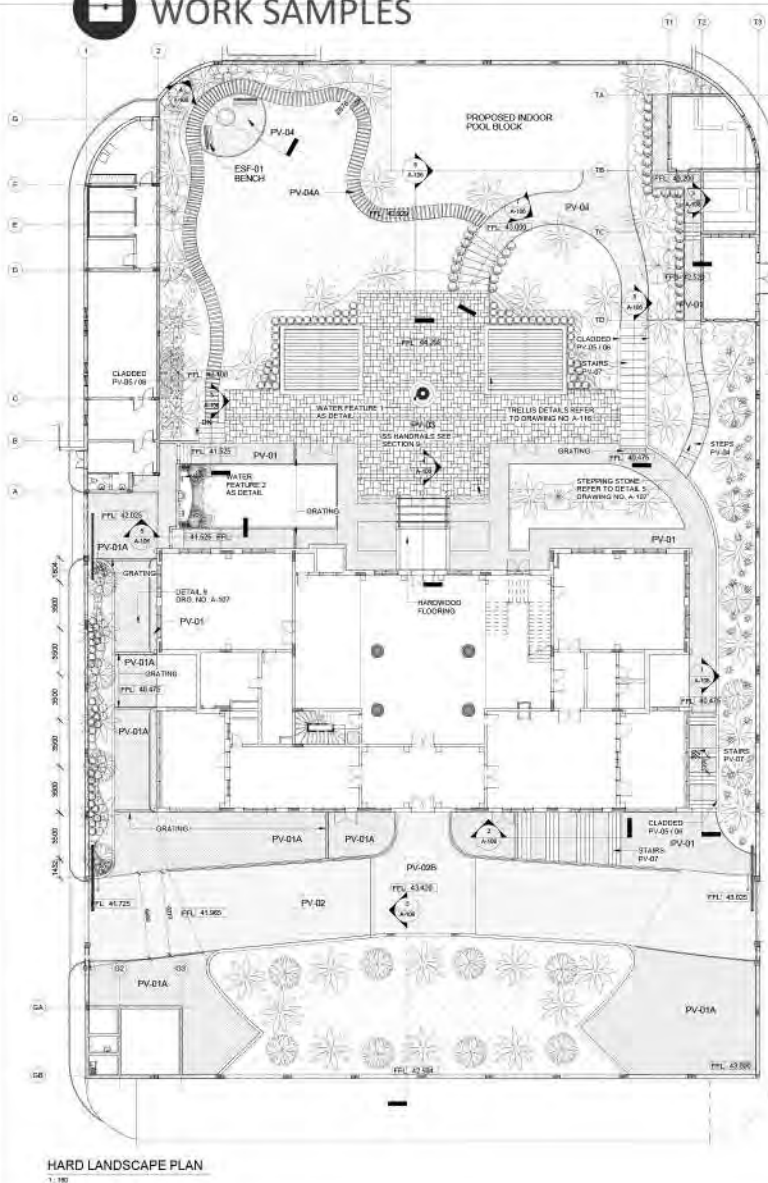
WORK SAMPLES



PROJECT	MIXED-USE TOWER
LOCATION	BAHRAIN BAY
PLOT AREA	1,2053 SQM
BUA	114,000 SQM
SCOPE	PRE-CONTRACT & POST-CONTRACT SERVICES
STATUS	UNDER CONSTRUCTION
PROJECT COMPONENTS	GROUND + 3 PODIUM + 36 OFFICE FLOORS
	F&B FACILITIES
	MULTI-STOREY CAR PARK BUILDING
	LANDSCAPING/SITE DEVELOPMENTS WORKS
	BANQUETING FACILITIES

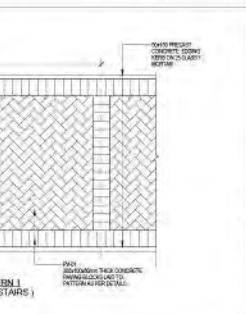
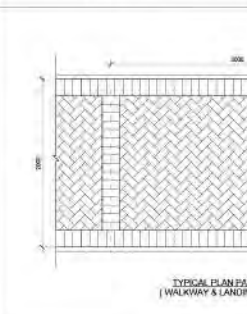
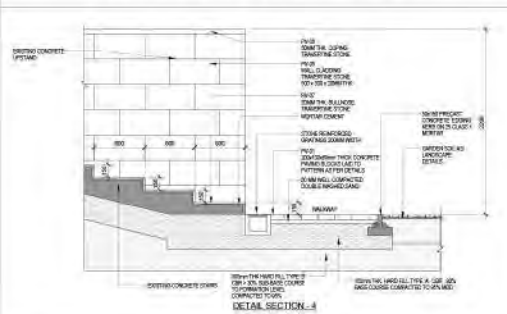
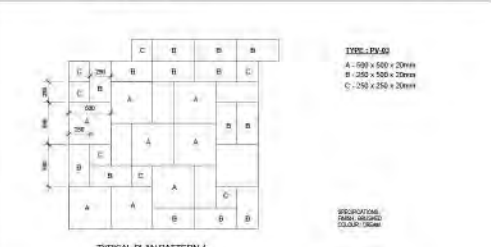
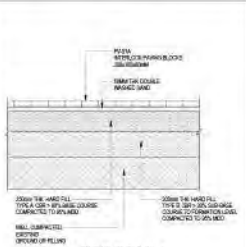
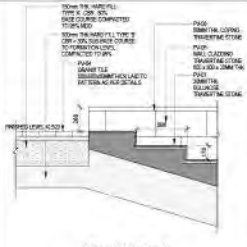
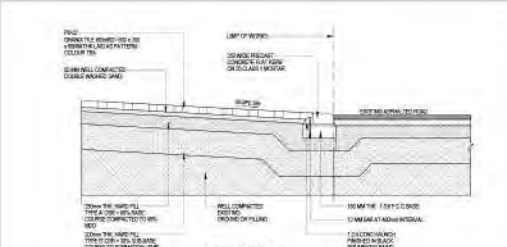
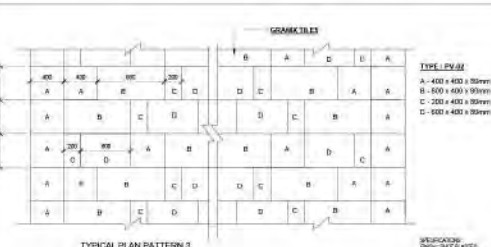
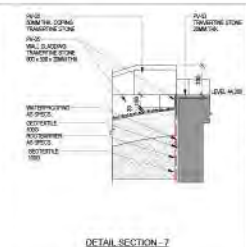
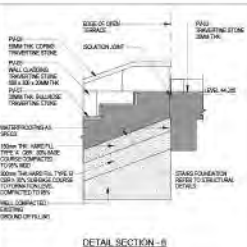
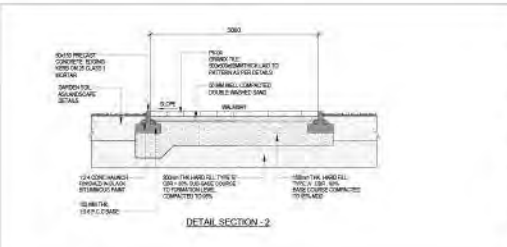


PROJECT	BANYAN TREE AL NAKHEEL RESORT & SPA
LOCATION	JANABIYA
CLIENT	BAYSIDE DEVELOPMENTS
PLOT AREA	149, 650 SQM
BUA	40,000 SQM
SCOPE	SCHEMATIC DESIGN - TENDER
STATUS	UNDER CONSTRUCTION



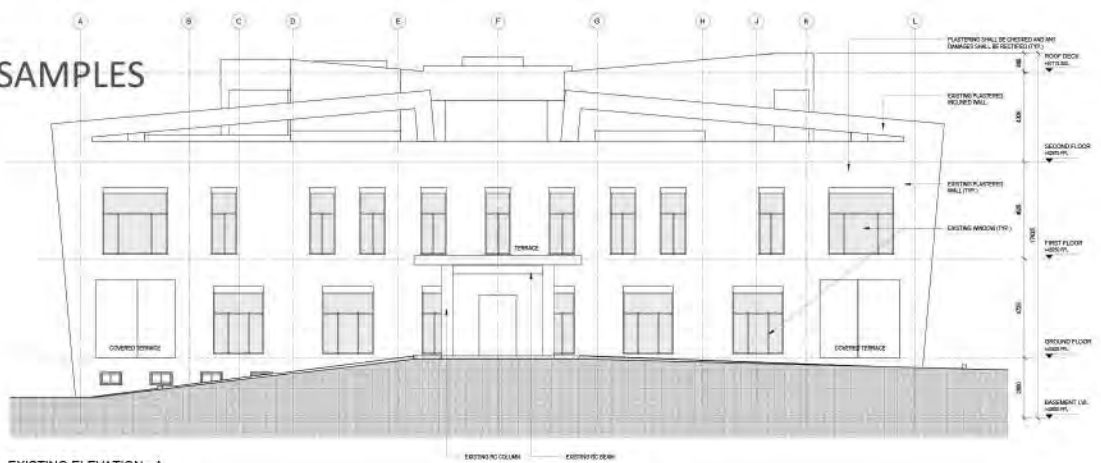
LEGEND

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COLOUR: TBA
- PV-02 INTERLOCK PAVING BLOCKS
SIZE: 200 x 100 x 50mm
COLOUR: TBA
- PV-03 GRANITE TILES
SIZE: 600x450 / 450x450 / 300 x 300 x 10mm
COLOUR: TBA
- PV-04 GRANITE TILES (SERVICE STEPS)
SIZE: 500 x 500 x 10mm
- PV-05 TRAVERTINE STONE (CLADDING)
SIZE: 600 x 300 x 20mm
COLOUR: CREAM
FINISH: POLISHED
- PV-06 TRAVERTINE STONE (CORNER)
SIZE: 600 x 300 x 20mm
COLOUR: CREAM
FINISH: POLISHED
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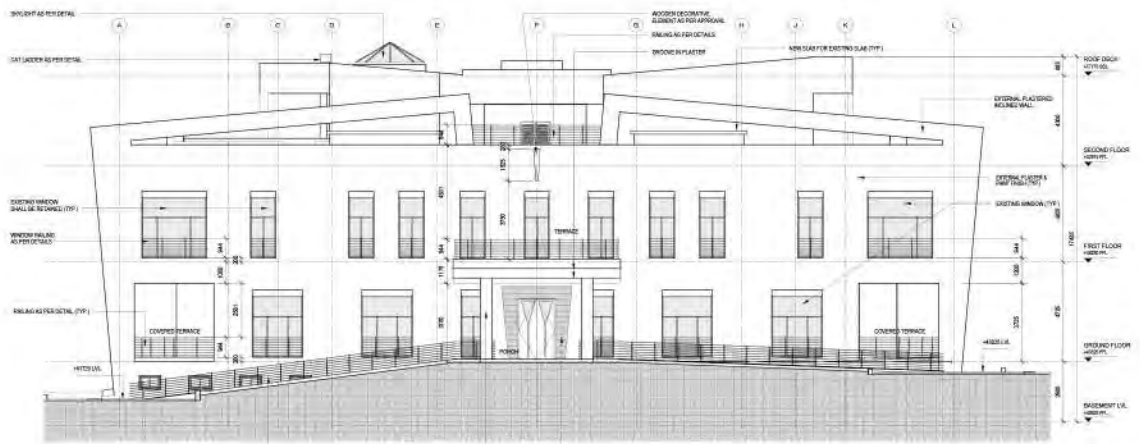


WORK SAMPLES



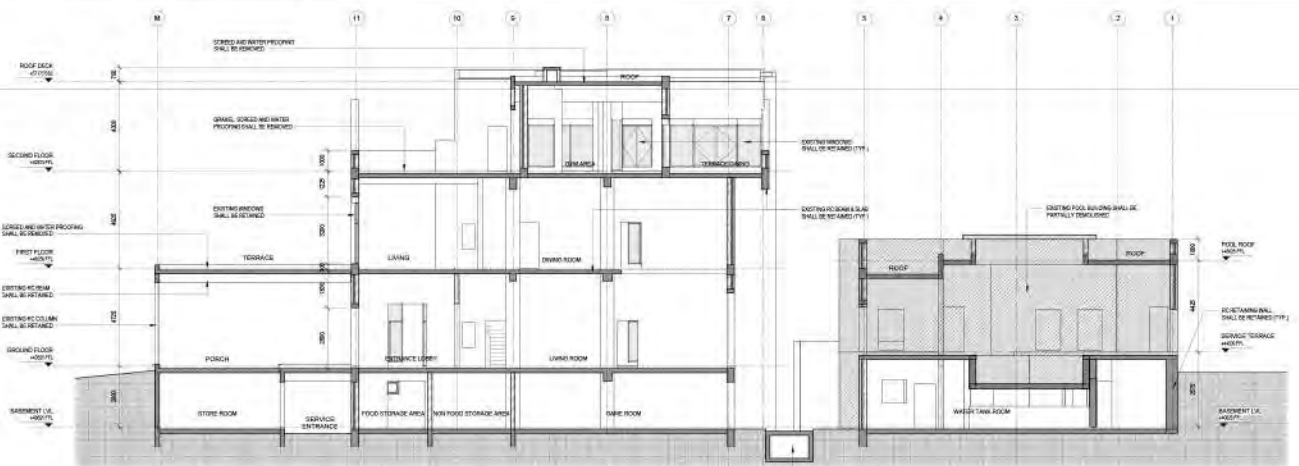
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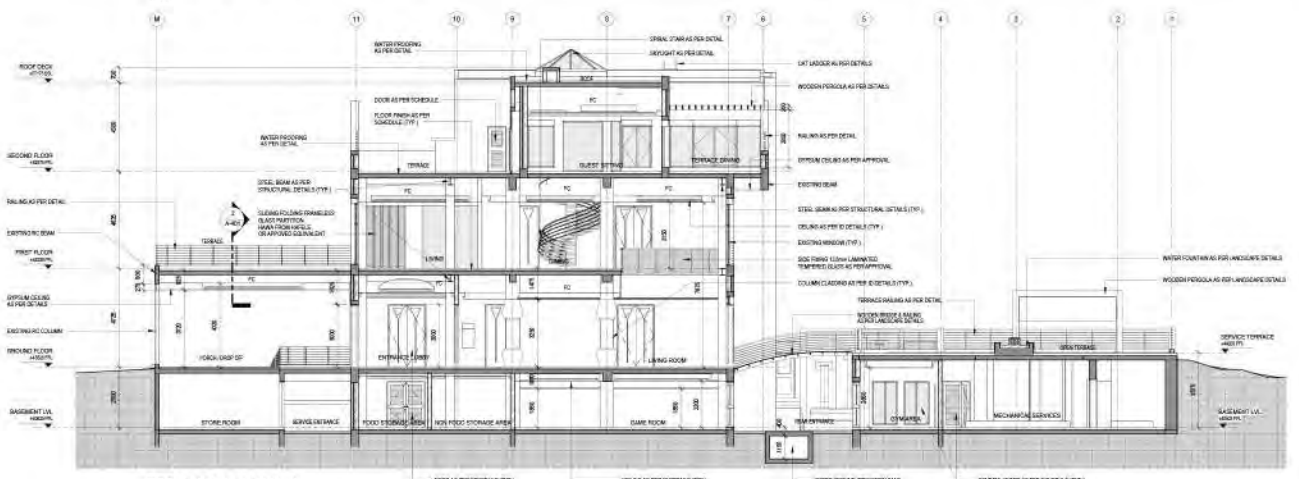
PROPOSED ELEVATION - A

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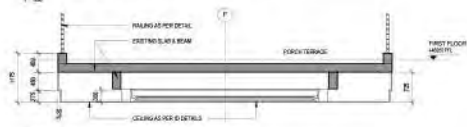
EXISTING - SECTION - A

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PROPOSED SECTION - A

1:100



SECTION - X

1:50



WORK SAMPLES

