



COMPANY PROFILE

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INTRODUCTION



كوجاكيان للاستشارات الهندسية
Kojakian Engineering Consultants

Architecture - Design - Supervision - Project Management

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KOJAKIAN ENGINEERING CONSULTANTS PROFILE

Kojakian Engineering Consultants or "K.E.C." has been established in 1968 as multidisciplinary practices which include the following services:

- Architecture,
- Interior Design,
- Civil Engineering,
- Structural Engineering,
- Electrical Engineering,
- Mechanical Engineering,
- Supervision & Project Management

After 1968 and gradually K.E.C grew to a multinational level since it established Satellite Offices in:

- Amman, Jordan
- Abu Dhabi, U.A.E
- Montreal, Canada

K.E.C. has been involved in various projects incorporating very modern and sophisticated designs in:

- 1) Architecture and Interiors,
- 2) Civil Works,
- 3) Heating, Ventilating and Air Conditioning,
- 4) Lighting, Telephone and Low Voltage,
- 5) Security Systems,
- 6) Computer Networking and "Smart Building" Technology.

FIELDS OF ACTIVITY

ARCHITECTURE

- Commercial Complexes
- Office Buildings
- Hotels
- Schools
- Touristic Resorts
- Hospitals
- Palaces
- Luxury Villas
- Residential Apartments
- Factories
- Banks

INTERIOR DESIGN

As an Independent Service or as an Extension to Architecture Interior Design has been a subject of pride for "KIC" whether:

- Design
- Design and Supervision
- Design and Final Project Management

LANDSCAPE DESIGN

Generally this service is provided as a natural extension to city design services.

CIVIL ENGINEERING

- Topographical Survey and Site Investigation.
- Water Supply and Distribution.
- Sewerage and Sewage Treatment.
- Roads, Bridges and Traffic Engineering.
- Design of Building Structure in Reinforced Concrete.
- Design of Industrial and Commercial Structures.
- Design of Ground and Foundation Structures.

MECHANICAL ENGINEERING

- Integrated Design of Heating, Ventilation and Air-Conditioning services.
- Refrigeration Plant.
- Drier Plant and Auxiliaries.
- Piped Services including Water, Gas and Air.
- Mechanical Handling including Conveyors, Elevators.
- Loading facilities for bulk storage and distribution.
- Pumping and Metering stations.

ELECTRICAL ENGINEERING

- Electric Lighting, Power Installation and distribution.
- Communications systems.
- Surveys of existing systems.
- Low Voltage, Sound and Light.
- Fire Alarm, Fire Fighting.
- Public Address.

NORMAL SERVICES

The Firm **KOJAKIAN ENGINEERING CONSULTANTS** provides consulting services on either complete or partial basis, either individually or in association or joint venture with international firms.

The Client can therefore engage the firm for a partial service to suit its particular needs. Thus on any project the following services, incorporating fully coordinated drawings are available:

- Preparation of the Design Brief,
- Feasibility and Design Reports,
- Site Surveys and Appraisal of Existing Situation,
- Pre-Contract Design and Construction Drawing Program,
- Outline Design and Report,
- Final Design and Report,
- Applications for Regulation Approval,
- Preparation of Complete Construction Drawings,
- Preparation of Tender Documents and Reports,
- Preparation of Contract Documents,
- Site Supervision and Financial Reports during construction,
- Defects Inspection and Final Certificates,
- Checking and Approval of as Built Drawings for records and Maintenance Purposes.

BRIEF SUMMARY

MAJOR PROJECTS DIRECT OR INDIRECT INVOLVEMENT

A. COMMERCIAL BUILDINGS

- 1) Yildizlar Building in Rawebbeh, Beirut, Lebanon (1976)
16-Stories
- 2 basement floors for car park
- Ground floor with shops
- 1st Mezzanine - offices
- 4th to 16th residential apartments
- 2) Yerevanian Building, Beirut, Lebanon (1971)
19-Stories
- 3 basement floors for car park / garage
- 3 lift extending from car park to 19th floor
- Ground & Mezzanine "Hourly" Chain of Super Markets
- 1st to 18th residential apartments
- 3) - Chalouby Center, (1976)
- Shopping Center, Department Store, Offices and Apartments

- Ground, Mezzanine 1st floor department store & shops
- 2nd to 4th floor offices
- 5th to 15th residential apartments
- 4) Holy Land Insurance Co. Building, 12 stories -
Amman, Jordan (1984)
- Basement floor garage for cars
- Ground floor, 1st floor, 2nd floor space for the Holy Land
Insurance Co.
- 3rd floor to 9th offices, flats

- 44) Al Dhawal Cornub Commercial Building, 1230 m² (2 Storey -
 Amman, Jordan (Installing) Interior Design Work, 1982
 Block A - 4 Storey department store, shops, escalators & lift to
 basement floor
 Basement 2 floors - 2 shops, car park with emergency exit
 ramp & 4 car lift
 Block B - office tower with flexible office space
 Block C - Residential apartment of 10 Bedrooms & 2 Bathrooms
- 45) Madaba Center, 8,000 m², 7 Storeys,
 (General Supervision and Project Management), 1979
 - Basement car park & storage room
 - Ground floor & Mezzanine Petrol/Mini Market offices
 1st floor to 7th floor offices
- 46) Al Fawaz Center (Amman, Jordan), 1985
 - 2 Basement floor for car park
 - Basement + Ground + 2nd floor shops with auto showroom &
 offices of various Brothers Jewelry Stores
 - Panoramic lift from ground to 2nd to 7th floor offices
 Design included sophisticated alarm system with electronically
 integrated computerized networking & very interconnected Radio
 & CCTV system
- 47) LFCO Building No. 1, 10th Street, Abu Dhabi for Mr. Mohd.
 Abdul Wahid Al Falahi, associate with SPEC TRIM, 1980
 - 10 Storeys Commercial Residential Building
 Ground + Mezzanine = shops
 - 2 floors of offices
 4th to 10th floors residential flats
- 48) The Star Tower for Banking Arrang. Has. Mans. Al Hattar
 City Street, Abu Dhabi, the Spectrum, 1989
 Data as above
- 49) United Showroom Building for Sh. Saeed Sh. Mohd. Al-Habes
 (1981)
 - Architectural Consultant for Abu Dhabi's Design & Build
 services & supervision by L'Esprit Urbain

- (1) 104 Duplex Apartment Commercial Residential Building for Shaheen Mohd. Al-Nahyan, Abu Dhabi, 1992
(Associate Architect with A.C.O.)
- (2) Al-Dhafay Tower for Sha. Nassar Dajani Al-Bansoury, 1992.
Abu Dhabi, U.A.E. (with A.C.O.)
- (A) King Abdullah bin Hussein Complex (Amman, Jordan), 1984
Joint Venture with ARFATHA (France) & Modern Firm of Jordan
Consisting of:
 - 8,200 square meter of land
 - 52,000 square meter of garden
 - 30,000 square meter of total built up area
 - 10,000 square meter Commercial Center
 - 5,000 square meter Underground car park

Other Components:

- Underground car parking for 700 cars with automatic shifting fire doors
- Open air car park & service station
- Department Store building 40m x 40m, open space with complete services: lift & escalators and sky pyramid in glass complete with security monitoring system C.C.T.V. computerized fire alarm & fire fighting system
- Shopping Center 7 storey high
- Nurseries for children
- Open-air amphitheater for 3000 persons
- 200 persons capacity restaurant
- Artificial Grotto with sculpture & statuary
- Lawn park
- Office Tower.

Cost of Project: 3 million Jordanian Pounds

Our involvement: Development of the Conceptual Design
Final Design
Issuing Drawings Details.

16 HOTELS

- I) Radwa Hotel, Saudi Arabia, Preliminary Design, 1974
- II) Yentana Hotel, Saudi Arabia, Preliminary Design, 1975
- III) Saffa Beach Hotel, 300 Bedroom, Beirut, Lebanon, 1976

Consisting of:

- 3 separate entrances for V.I.P. guests & suite owners.
- Restaurant for 250 persons + Night Club & Bar
- Bowling arena
- Health Center
- 3 Swimming pools (Olympic, Semi-Olympic & children)
- Security System, sophisticated computerized network of C.C.T.V. to public areas with door lock by magnetic card system.

- IV) 100 Bedrooms Hotel with furnished studios for Jordan University students of (Hebrew Union Society), 1977
- V) Zarka Main Hotel, 100 bedrooms, in Zarka Main Amman Jordan, with (M.A.R.J.) 1978.
- VI) Hilton Hotel Abu Dhabi, 200 bedrooms (As executive Architect & Project Manager with A.C.G.L) 1991

L PALACES

- 1) Palace for Her Royal Highness Princess Hasmah of Jordan, 1982
 - Land 12500 sq m
 - Built up area 4730 sq m
 - Composed with including:
 - V.I.P. quarters
 - Family quarters
 - 24 Servants & 6 Nannies Services quarters
 - Kitchens & associated facilities
 - Royal guard's quarters
 - Swimming Pool & Outdoor Jambanpong
 - Helipad
 - V.I.P. helipad & shelter
 - Family hideout & shelter with emergency facilities for overnight stay & hidden exit
 - Garage for 6 cars
 - Storage room
 - Storage for Clothing, Furniture, Gifts
 - Storage for food
 - Storage for defensive ammunition & weapons
 - 4 interlinked security systems and zones with computerized false alarm detector system
- 2) Palace for the late Sheikh Salim Bin Lakeri, Bahala, Saudi Arabia, 1982
 - Area of land 9500 sq m, totally landscaped
 - Total built up area 4050 sq m.
 - Internal Pool, Swimming Pool, Sauna, Gymnasium
 - Malls for men and women, etc.
- 3) An Sultan's Palace Bahrain (Observation, Sewer and Light), 1970
- 4) Palace for III Sheikh Mohad Sabah Salem Al Sabah, Morocco, 1980
 - Land 46500 sq m
 - Built up area 5000 sq m

- 1) Project Overview (1)
 - Main Palace with all normal requirements
 - Two semi detached wings for the younger brothers accessible from main villa as well as from outside
 - V.I.P. wings consisting of 7 independent units accessible from the main palace as well as from outside
 - Servants quarters with their sleeping facilities completely detached for ground floor but connected to the other wings by means of an underground tunnel
 - Underground shelter to house 45 persons with all facilities for an extended type of time
 - Underground water tunnel to exit to open air beyond the boundary wall
 - Computerized monitoring system for all the services and facilities including fire alarm fire fighting equipment cable alarm detection V.C. / V. with real time time recorder for 72 hours for 15 cameras (including) and viewing facility of the same with qibla or full screen
- 2) Palace for Mrs. Esada bin Laden Jeddah, Saudi Arabia, 1983
 - Total floor area 2700 sq. m. (Design) K-P-42
- 3) Palace for Umayyad bin Abdulaziz Jeddah, Saudi Arabia (Design) 1982

4) **LUXURY VILLAS / PALACES**

- 1) Sheikh Sultan bin Laden - Jeddah, Saudi Arabia
- 2) Sheikh Nasser Fiqayy Al Manshury - Al Ain
- 3) Mohd. Saïdy bin Eidiya Al Darmaki - Abu Dhabi
- 4) Sultan Mohd. Al Anzeri - Al Ain
- 5) Sri Suroso bin Mohd. Al Achmari - Amboi
- 6) Sri Sultan bin Saip Al Qasbi - Banyuw
- 7) Humaid Mohd. Al Mohairi - Abu Dhabi
- 8) Sheikh Saif bin Fayed Al Nayyar - Abu Dhabi
- 9) Mr. Saïed Mulla Saïed Al Mahdoubi - Abu Dhabi

F BANKS

- 1) Housing Bank (Amman, Jordan), 1979
 - Two basement floors, containing the vault and storage rooms
 - Ground floor banking facilities, customer service
 - 1st to 7th floors, offices
 - 2 drive ramps for cars for car and banking
 - Security System by The Hold
 - Infrared Sensors
 - Radio control zones
 - Periplanet walls, door and glass protection all controlled through a microcomputer programmable panel in addition to a large laser recorder with a C.C.T.V. camera network.
- 2) Housing Bank (Irbid, Jordan), 1979
 - 2000 m² concrete but in smaller site.
- 3) Abu Dhabi Commercial Bank (Preliminary Design) with C.E.C., 1989

F PUBLIC BUILDINGS

- 1) Amman Main Bus Terminal Building, with M.A.R.J. (Design), 1979
- 2) Police College - Abu Dhabi, with A.C.C. (Design), 1991

G SCHOOLS

- 1) High Schools for Ministry of Education - Amman, Jordan, 1979
 - Total 14000 m² with M.A.R.J. (Design)
- 2) Khairiyeh International School - Jordan, with M.A.R.J. (Design), 1979
- 3) Yajouz Penitentiary (Design) - Supervision and Project Management, K.E.C., 1982
- 4) Al Manshal Taughtun School with A.C.C. (Design), Abu Dhabi, 1992
- 5) Gymnasium for the American Int'l School, Abu Dhabi, 1996

II INTERIOR DESIGN

- 1) Department Store Cooperative for the Jordanian Armed Forces in Irbid - Jordan, (Design and Supervision), 1982
- 2) Department Store for Mrs Houry - Amman - Jordan - Interior, (Design), 1979
- 3) "Turguth El" - Ladies Wear Store - 120m² - Amman, Lebanon, (Design), 1981
- 4) "Peak" - men's wear and gift items shop - Amman, Lebanon, 1976
- 5) "Grand Villa Monsieur" - men's wear shop, 120m² - Lebanon, 1976
- 6) "La Dame De Blaque" - ladies wear, 150m² - Amman, Lebanon, 1978
- 7) "Smiling Watches - Jewelry Shop" - 200 m² (Structural) - Beirut, Lebanon, 1976
- 8) Jewelry Store for "Fatma Fawaz and Brothers" - 185m² - Amman, Jordan, 1977
- 9) Housing Bank - 1700m² - Amman with A.L.A. & J., (Design), 1979
- 10) Housing Bank - 160m² - Irbid, (Design), 1979
- 11) "COCO" Offices, 1000m² - Amman, Jordan, 1982
- 12) "Al-Bal" Showroom, 730m² - San Uthman (Design & Supervision), 1979
- 13) "Al-Bal" Showroom, 230m² - Abu Dhabi Coop. (Design), 1980
- 14) "Al-Bal" Showroom - Ugandan - Amman, 2000m², (Design), 1986
- 15) "Al-Bal" Showroom - Ugandan - Amman, 2000m², (Design), 1986
- 16) "Al-Bal" Showroom - Ugandan - Amman, Jordan, (Design), 1986
- 17) "Green Restaurant" - Marriott Hotel, Abu Dhabi, 1980

Professional License

رخصة مهنية

License No	PROFESALZ	رقم الرخصة
ADGC No	03473	الرقم التجاري
Establishment Card MOHRE		إذن إنشاء المؤسسة التجارية
Establishment Card ICA		إذن إنشاء المؤسسة
Legal Form	شركة ذات مسؤولية محدودة / Limited Liability Company	نوع المؤسسة التجارية
Trade Name	شركة إعمار إنجنيئرنگ كونسولٲنٲس لٲمٲد ICM ENGINEERING AND CONSULTANTS LLC	اسم المؤسسة التجارية
Establishment Date	13/07/2005	تاريخ إنشاء المؤسسة
Issue Date	02/11/2007	تاريخ الإصدار
Expiry Date	13/07/2008	تاريخ انتهاء الصلءة

الاسم	الدرجة	المؤسسة التجارية	نوع المؤسسة التجارية	الرقم التجاري
Dr. Youssef Mohamed Elmaghrabi	مهندس	شركة إعمار إنجنيئرنگ كونسولٲنٲس لٲمٲد ICM ENGINEERING AND CONSULTANTS LLC	شركة ذات مسؤولية محدودة	03473
Dr. Mohamed Elmaghrabi	مهندس	شركة إعمار إنجنيئرنگ كونسولٲنٲس لٲمٲد ICM ENGINEERING AND CONSULTANTS LLC	شركة ذات مسؤولية محدودة	03473
Dr. Mohamed Elmaghrabi	مهندس	شركة إعمار إنجنيئرنگ كونسولٲنٲس لٲمٲد ICM ENGINEERING AND CONSULTANTS LLC	شركة ذات مسؤولية محدودة	03473

المؤسسة التجارية: شركة إعمار إنجنيئرنگ كونسولٲنٲس لٲمٲد
 - Professional Engineers' Community
 - الجمعية العامة للمهندسين
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 - Issue Date: 02/11/2007
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Office No: 043990000
 Office Fax: 043990000
 رقم الهاتف: 043990000
 رقم الفاكس: 043990000





قسم هندسة الري والموارد المائية
Department of Irrigation and Water Resources Engineering

مقرر: الري (1)
Irrigation (1)

هذا المقرر من إعداد الأستاذ الدكتور/ محمد عبد الحادي محمد السيد
وتم تدوينه في إطار خطة تطوير المقررات الدراسية في إطار
العملية التعليمية والبحثية والخدمية التي تهدف إلى
تحسين جودة التعليم والبحث العلمي في مجال الري والموارد المائية
والتربة في جمهورية مصر العربية.

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والتربة في جمهورية مصر العربية.

رقم المادة	اسم المادة	عدد الساعات
01	مقدمة في الري والموارد المائية	3
02	الري الحديث	3
03	الري الحديث (2)	3
04	الري الحديث (3)	3
05	الري الحديث (4)	3
06	الري الحديث (5)	3
07	الري الحديث (6)	3
08	الري الحديث (7)	3
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10	الري الحديث (9)	3
11	الري الحديث (10)	3
12	الري الحديث (11)	3
13	الري الحديث (12)	3
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15	الري الحديث (14)	3
16	الري الحديث (15)	3
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18	الري الحديث (17)	3
19	الري الحديث (18)	3
20	الري الحديث (19)	3
21	الري الحديث (20)	3

المادة	الساعات	النسبة المئوية
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16	3	15%
17	3	15%
18	3	15%
19	3	15%
20	3	15%

المجموع
Total
210

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وتم تدوينه في إطار خطة تطوير المقررات الدراسية في إطار
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COMMERCIAL



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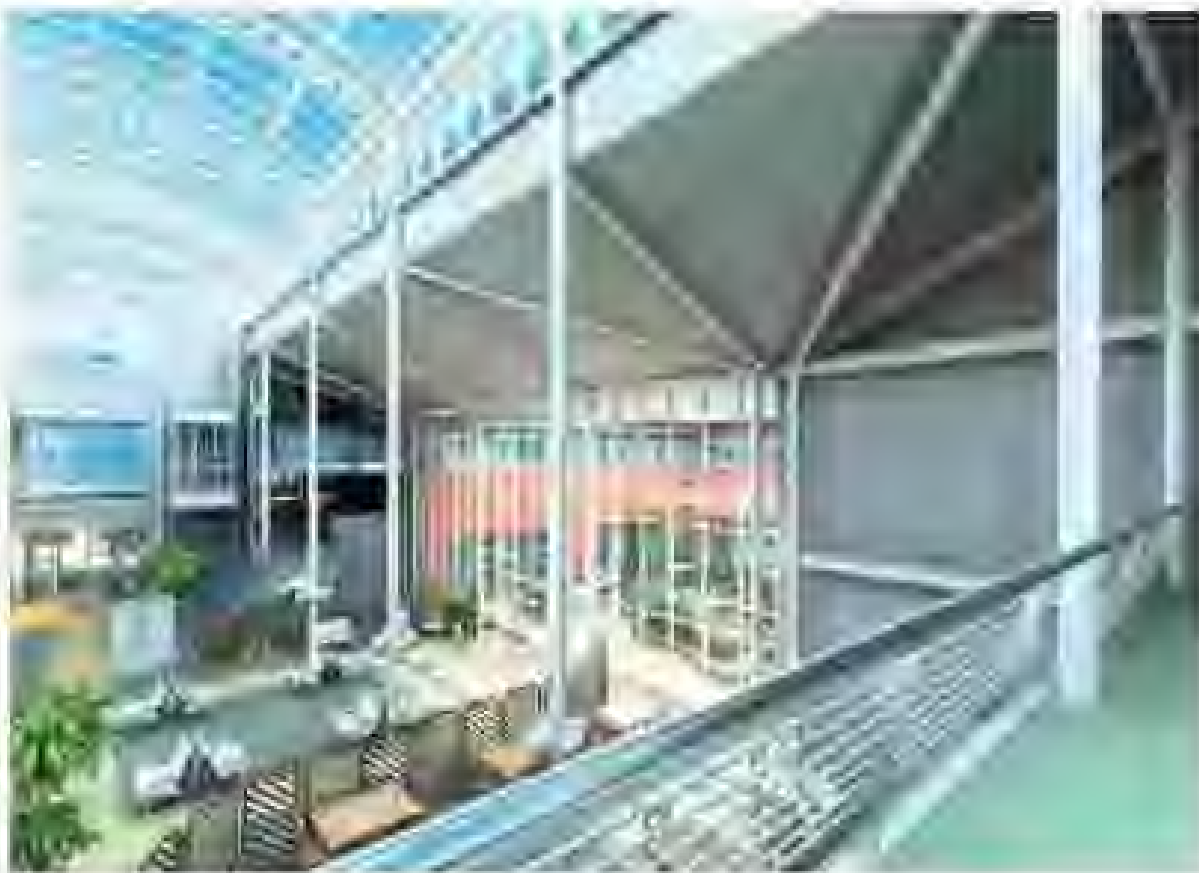


































SCHOOL



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INDUSTIRAL

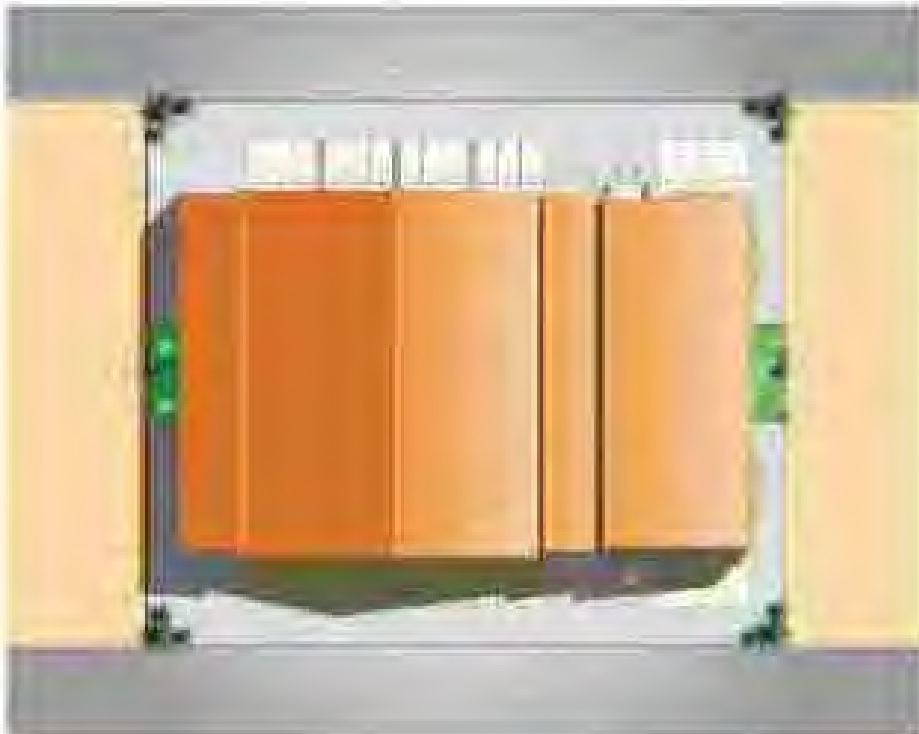


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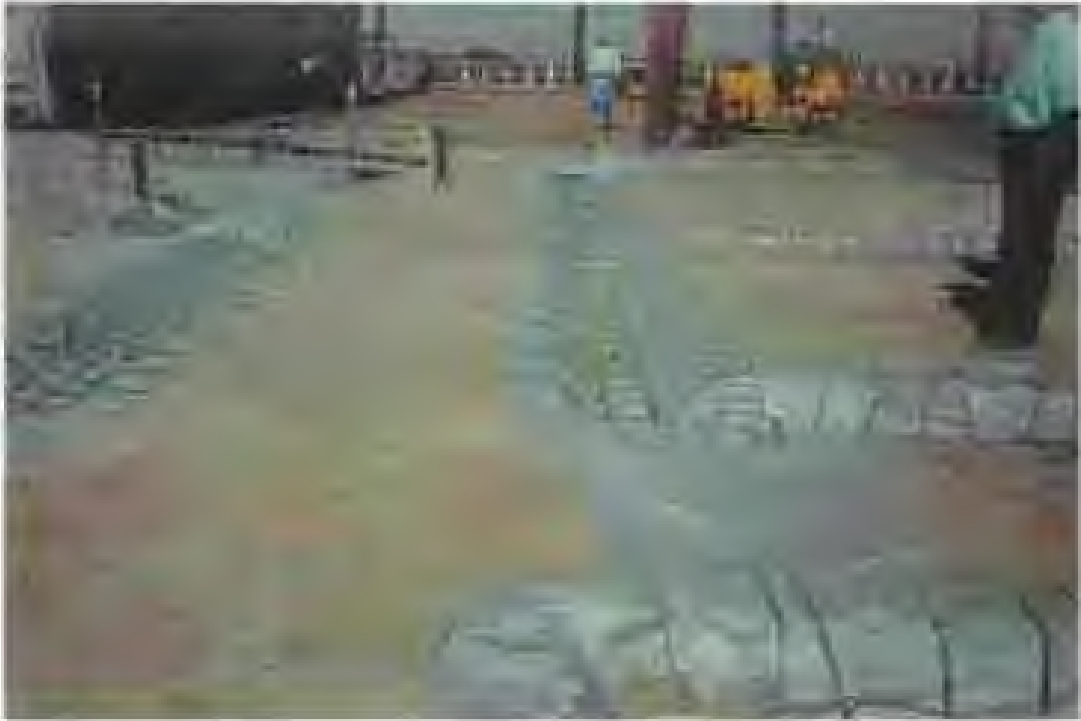


















RELIGIOUS



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RESIDENTIAL



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KEE





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KEE



INTERIORS



كوجاكين للاستشارات الهندسية

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