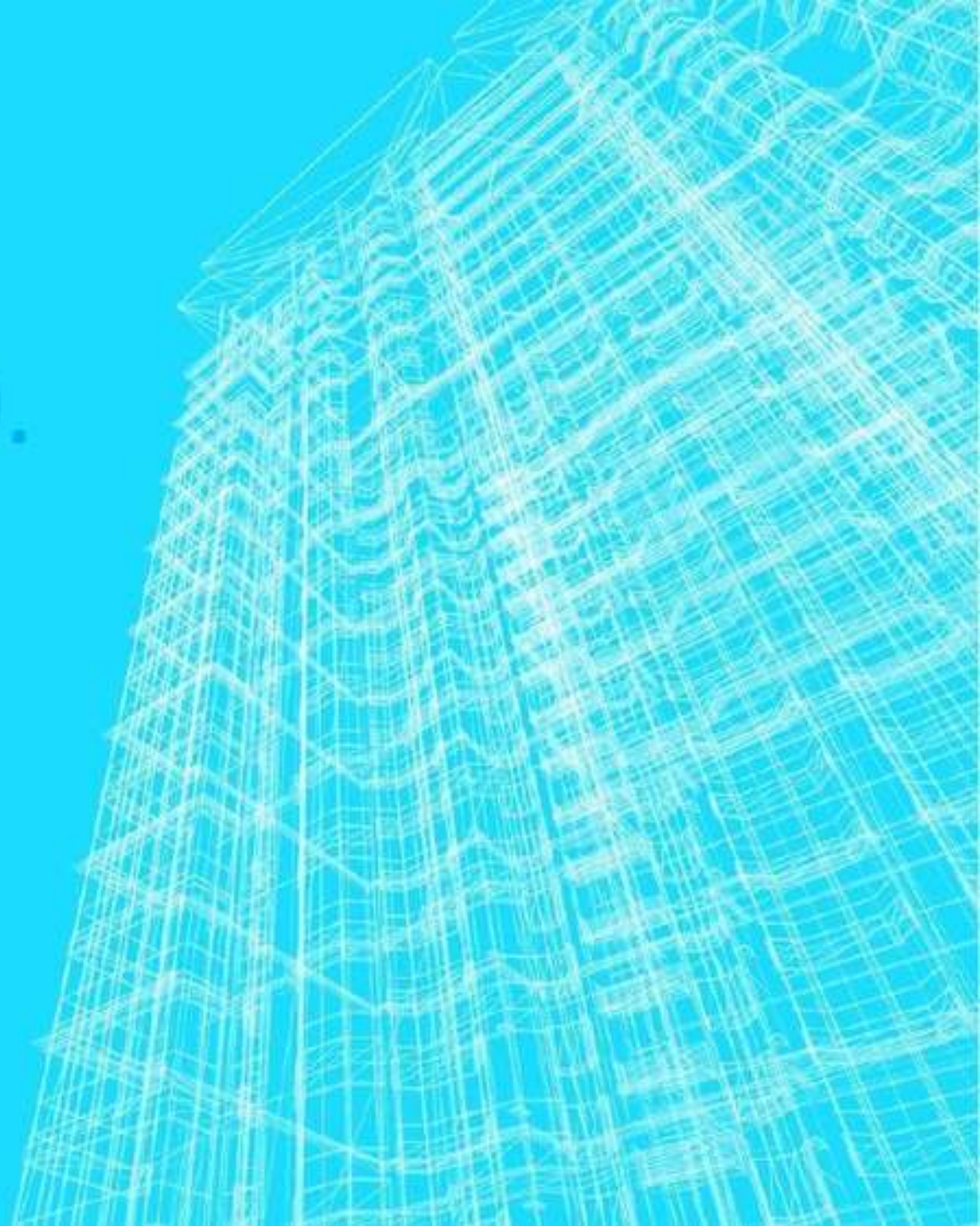
DESIGN MEP PVT. LTD.

WE DESIGN, WE ENGINEER, WE MONITER



DESIGN MEP



"A journey of thousands of miles starts with one step" Our every step at Design MEP Pvt. Ltd. is a consistent effort towards Operational Excellence and Client's satisfaction. Empowerment, Teamwork, Integrity, Innovation and Emotional Ownership are all part of our organizational value system. We are proud of our achievements and committed team of professionals, who strive to achieve the best and meet the aspirations of our clients in every respect. We believe that "the Best preparation for tomorrow is doing your best today"

Dr. Sunil Narayan Lal
Managing Director

DESIGN MEP

ABOUT US

Design MEP Pvt Ltd includes a competent team of qualified and experienced workforce to carry out high caliber MEP Projects.

Having a vast industrial experience of more than 26 years in MEP (Mechanical, Electrical, Plumbing, Drainage & Fire Safety) services, Our services include HVAC air conditioning Design, Electrical Lighting & Power Design, Plumbing, Drainage & Fire Protection, STP & WTP, ELV System, Infrastructure Development, Integrated Building Management System (IBMS), Value Engineering, Revit Modeling, CFD Analysis, Engineering Analysis and Project Management Services.

DESIGN MEP

OUR VISION

- We seek to become one of the leading Design Consultant companies in India & Middle East by executing projects in a safe, timely and quality-oriented manner, thus emerging as the most preferred engineering solutions provider for our Clients
- **Values Excellence - Innovation - Safety - Team spirit - Challenge**
- Excellence – We are committed to upholding the highest standards of professionalism and performance.
- Innovation – We constantly seek innovative ways to enhance our performance.
- Safety – We provide a safe work environment for those who work for and with us.
- Team spirit – We believe in teamwork and the limitless possibilities of collaborative energy.
- Challenge – We continuously increase our expertise through new challenges

DESIGN MEP



OUR MISSION

We are a leading diversified consultancy firm specializing in MEP (Mechanical, Electrical, and Plumbing) design, detailed engineering, design development, and Project Management Consultancy (PMC) services across a wide range of sectors. Our multidisciplinary expertise enables us to deliver integrated, efficient, and sustainable design solutions tailored to project-specific requirements.

We are committed to delivering reliable, professional, and client-focused services, ensuring adherence to the highest standards of quality, safety, and performance. Our approach emphasizes technical excellence, timely execution, and cost optimization, while maintaining strong collaboration with clients, stakeholders, and local partners.

We actively support local businesses and contribute to community and social initiatives, while maintaining environmentally responsible practices aligned with sustainable development principles. Our operations are guided by a proactive approach to the socio-economic context in which we operate.

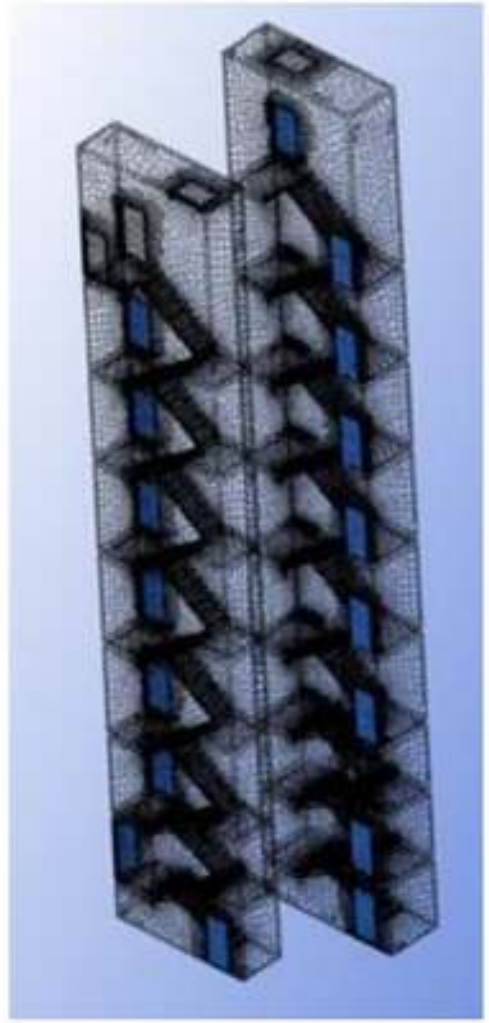
Understanding and prioritizing our clients' objectives is central to our philosophy. We consistently strive to meet and exceed client expectations through precise requirement analysis, innovative engineering solutions, and rigorous quality assurance processes. Delivering high-quality outcomes and ensuring client satisfaction remain the core directives of our management.



DESIGN MEP

OUR EXPERTISE

- ❑ Building & Infrastructure Projects Design with all MEP services.
- ❑ Authority Having Jurisdiction's (AHJ) Approvals
- ❑ Engineering Analysis, Reporting and Calculations
- ❑ Witness & Testing of the MEP systems for client acceptance and Authority approvals.
- ❑ CFD Analysis for Smoke Management, Data centers and Comfort Cooling applications



DESIGN MEP

BUILDING & INFRASTRUCTURE PROJECTS DESIGN, PROJECT MANAGEMENT & VALUE ENGINEERING

- Mechanical Ventilation and Air Conditioning System
- CFD Analysis
- Fire Fighting
- Fire Alarm
- Plumbing & Drainage system including waste water, soiled water, sewage lifting stations and storm water system
- Lighting & Power system
- Low voltage Power supply
- Public address system
- Extra-low voltage
- CCTV & Access Control

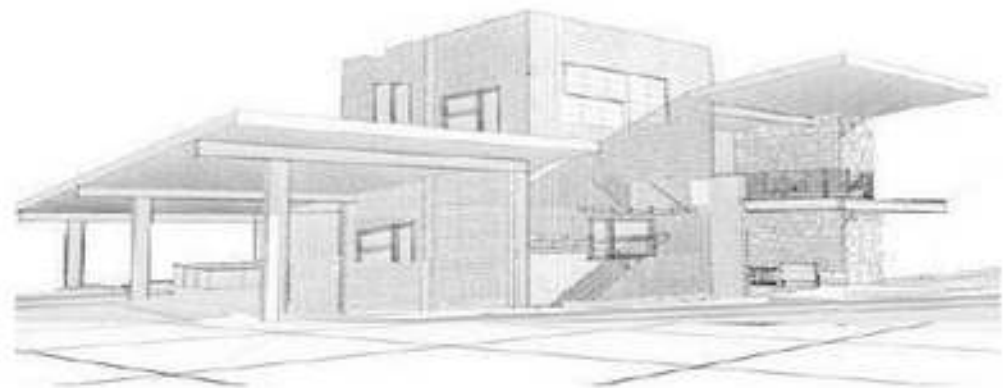


DESIGN MEP

BUILDING & INFRASTRUCTURE PROJECTS DESIGN, SUPERVISION, VALUE ENGINEERING

- ❑ Residential Buildings
- ❑ High Rise Tower
- ❑ Educational Facility
- ❑ Commercial Buildings
- ❑ Mix used Building
- ❑ Sports Facility
- ❑ Railway, Airport & Metro Projects
- ❑ 5 Star Hotels, Bars & Restaurant Eatery Fit-outs
- ❑ Saloons, SPA, Shops fit-out in Malls & Merto
- ❑ Industrial project like Workshops,
- ❑ Port and Manufacturing Facility
- ❑ Industrial & Food Storage Facility
- ❑ Saloons, Shops fit-out in Malls

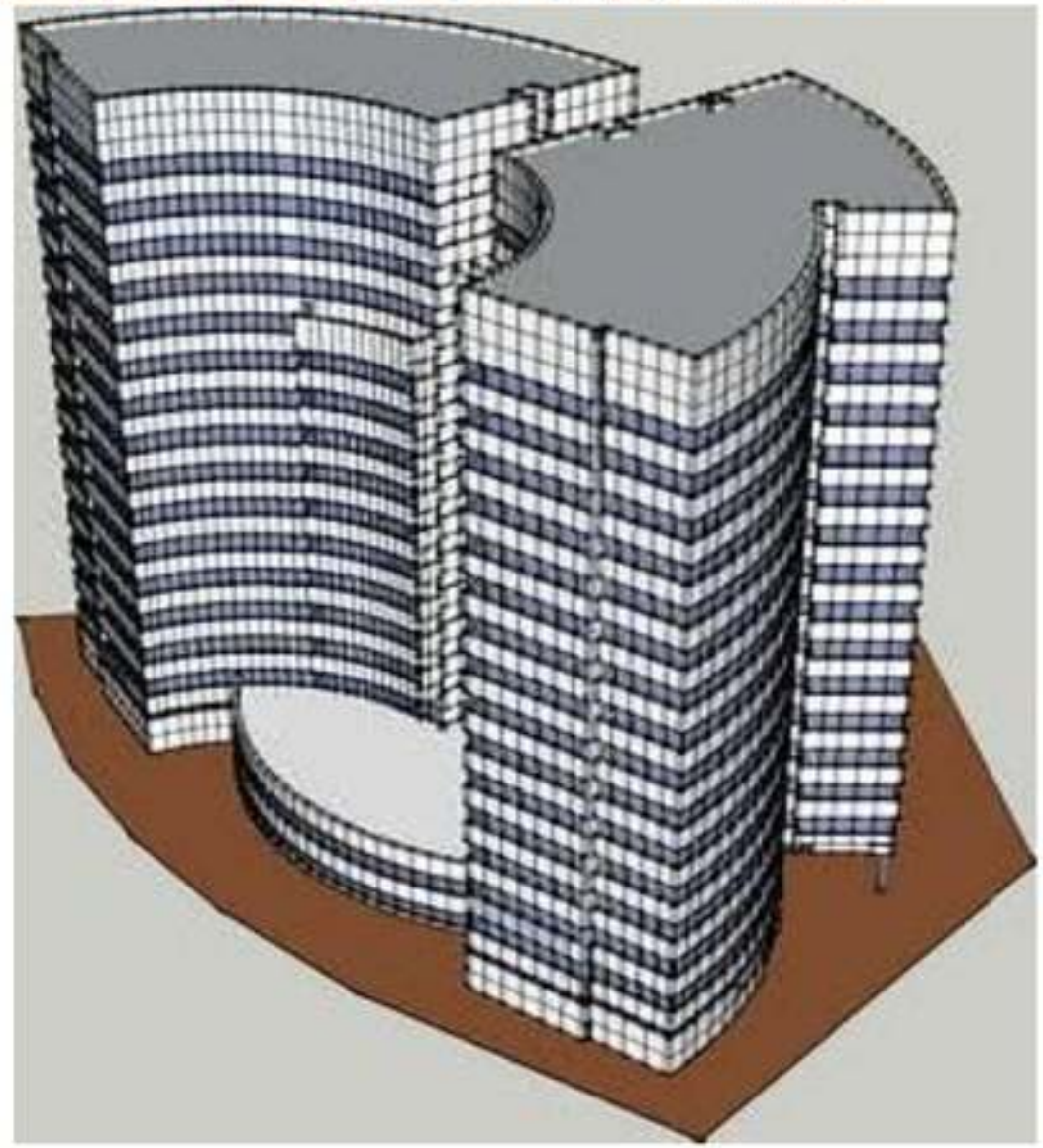




DESIGN MEP

AUTHORITY HAVING JURISDICTION'S APPROVALS

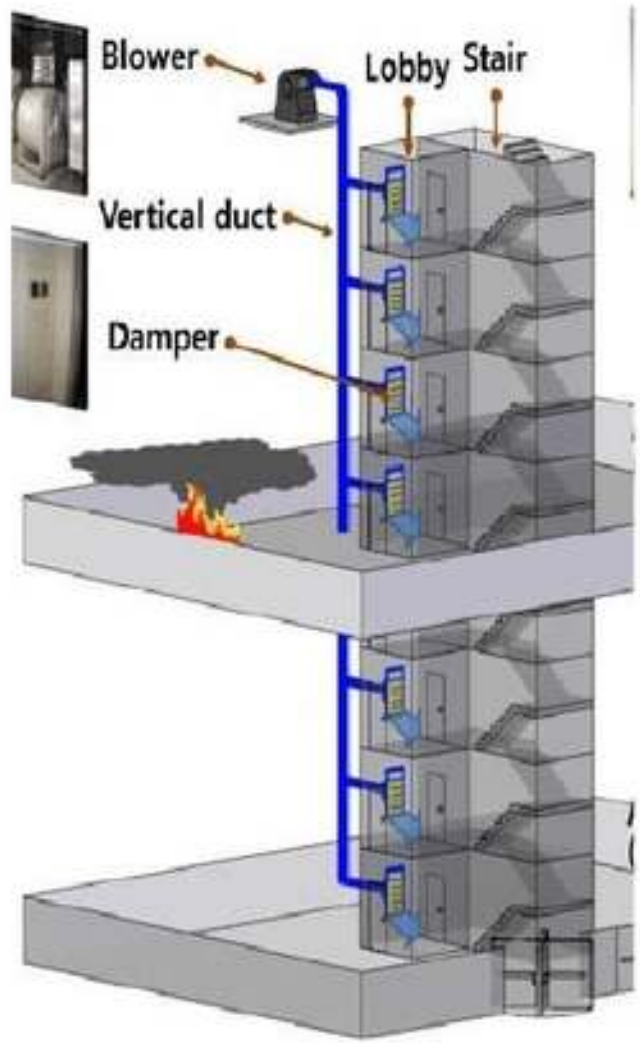
- ❑NBCC
- ❑CPWD
- ❑NTPC
- ❑IGL Gas approvals
- ❑Fire Safety Approval
- ❑ STP Approvals
- ❑Indian Railway
- ❑Airport Authority of India
- ❑Any Municipality if Required



DESIGN MEP

ENGINEERING ANALYSIS, REPORTING AND CALCULATIONS

- Mechanical Design Calculations
  - External Static Pressure Calculations
  - Pump Head Calculations (Chilled Water, Water supply, hot water, drainage)
  - Car Park ventilation systems design Calculations
  - Staircase pressurization system design Calculations
- Surge Analysis For Ultimate Critical phase for Long Drainage force main pipes.
- Acoustics Analysis
  - Building acoustic analysis.
  - Boards Rooms / Conference rooms
  - Home & Commercial Theaters
- Electrical Reliability Study



DESIGN MEP

CFD ANALYSIS FOR SMOKE MANAGEMENT, DATA CENTERS AND COMFORT COOLING APPLICATIONS

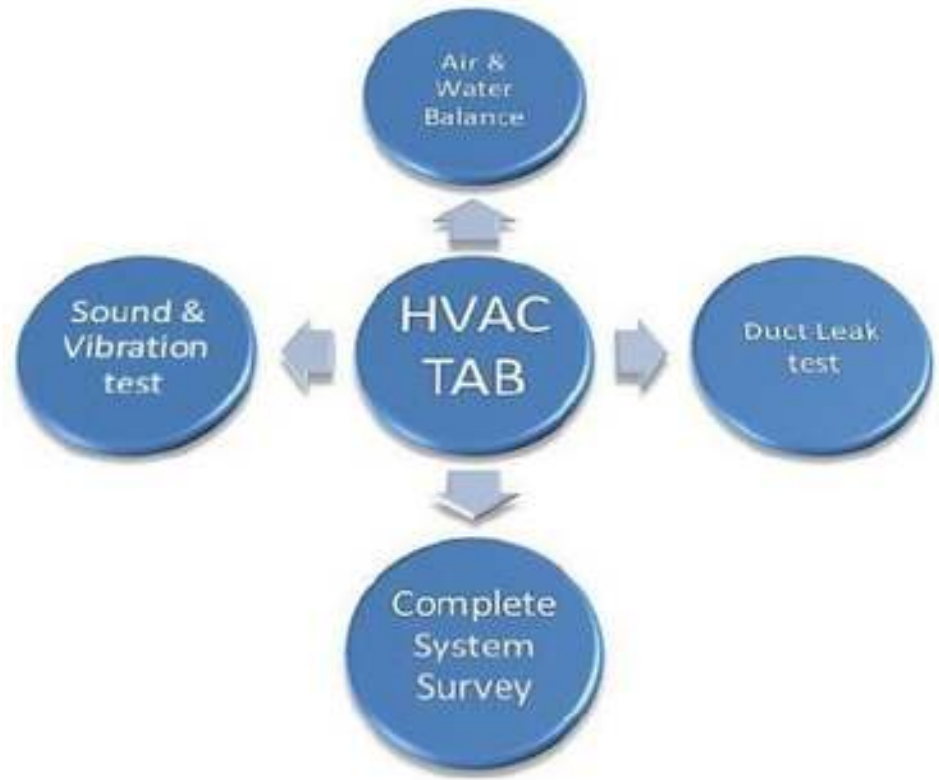
- ❑ Basement Car Park CFD
- ❑ Atrium Smoke Management CFD
- ❑ Tunnel Smoke / Comfort management
- ❑ Staircase pressurization system performance CFD
- ❑ Comfort application CFD
- ❑ Open Space Air Conditioning Comfort CFD



DESIGN MEP

TESTING OF THE MEP SYSTEMS FOR CLIENT ACCEPTANCE AND AUTHORITIES' APPROVALS.

- ❑ Commissioning of MEP Equipment's
- ❑ Testing of MEP Equipment's
- ❑ Air and Water Balancing
- ❑ Testing staircase pressurization and Car Park ventilation system and Demonstration to QCDD.
- ❑ Noise and Sound testing for Buildings
- ❑ System performance testing's



DESIGN MEP

NOTABLE PROJECTS

DESIGN MEP

DESIGN & AUTHORITY APPROVAL WORKS FOR SHK. JASSIM AL THANI PALACE



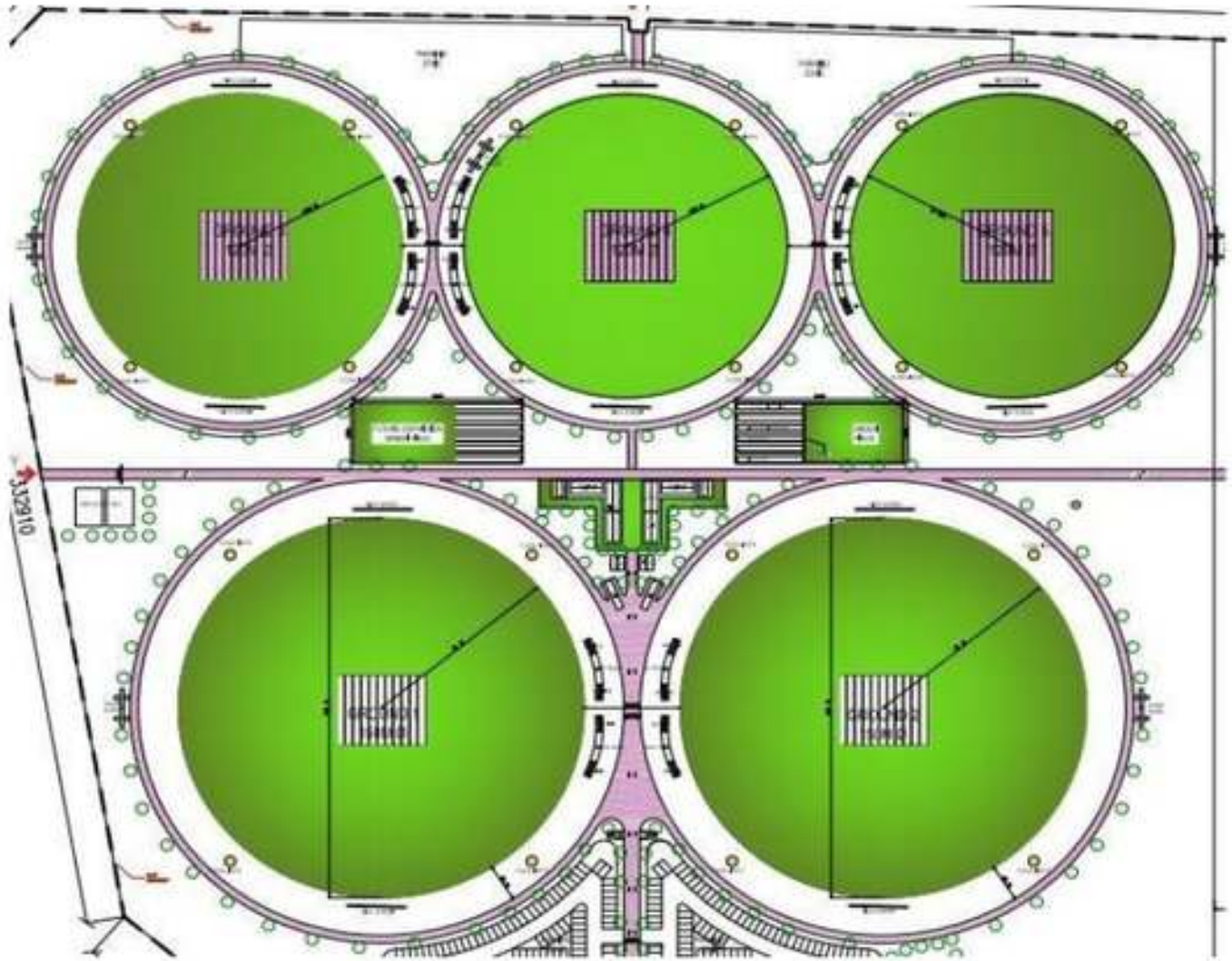
DESIGN MEP

EDUCATIONAL FACILITY: BIRLA PUBLIC SCHOOL & STAFF ACCOMODATION



DESIGN MEP

SPORTS FACILITY: QATAR CRICKET STADIUM



DESIGN MEP

PRIVATE VILLA: DR. FAWZIYA RESIDENCE



DESIGN MEP

PRIVATE VILLA: MR. JASSIM ABDUL RAHMAN



DESIGN MEP

LIBRARY: SCOUTS & GUIDE LIBRARY



DESIGN MEP

HOSPITALITY: RETAJ AL RAYYAN HOTEL & CAFE





DESIGN MEP

HOSPITALITY: RETAJ AL RAYYAN HOTEL & CAFE









DESIGN MEP

HOSPITALITY: DUSIT DOHA HOTEL











DESIGN MEP

RETAIL: SOLEIL OPTICAL



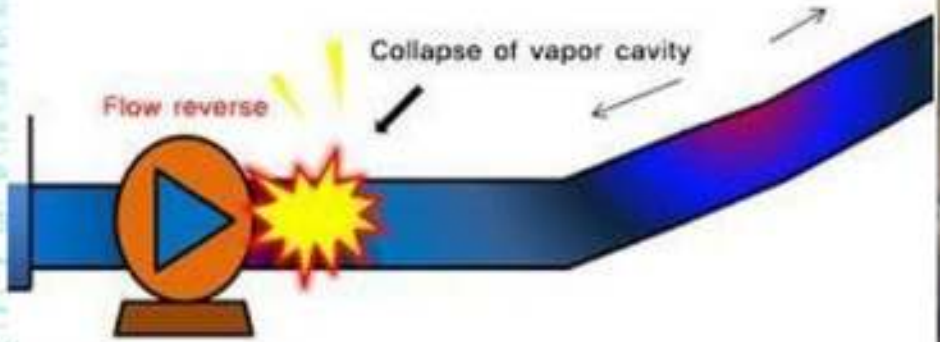
DESIGN MEP

RETAIL: BEAUTY SALOON



DESIGN MEP

COMMERCIAL: HIA-WESTERN TAXIWAY AND STAND DEVELOPMENT-ENGINEERING CALCULATIONS





DESIGN MEP

COMMERCIAL: QETAIFAN ISLAND NORTH PHASE-1 - ENGINEERING CALCULATIONS



DESIGN MEP

EDUCATIONAL FACILITY: DPS MONARCH-VALUE ENGINEERING



DESIGN MEP

RECREATIONAL FACILITY: AQUA PARK



DESIGN MEP

INFRASTRUCTURE FACILITY: HIGHWAY ENGINEERING CALCULATIONS



DESIGN MEP

PUBLIC HEALTH: PRIMARY HEALTH CENTER



DESIGN MEP

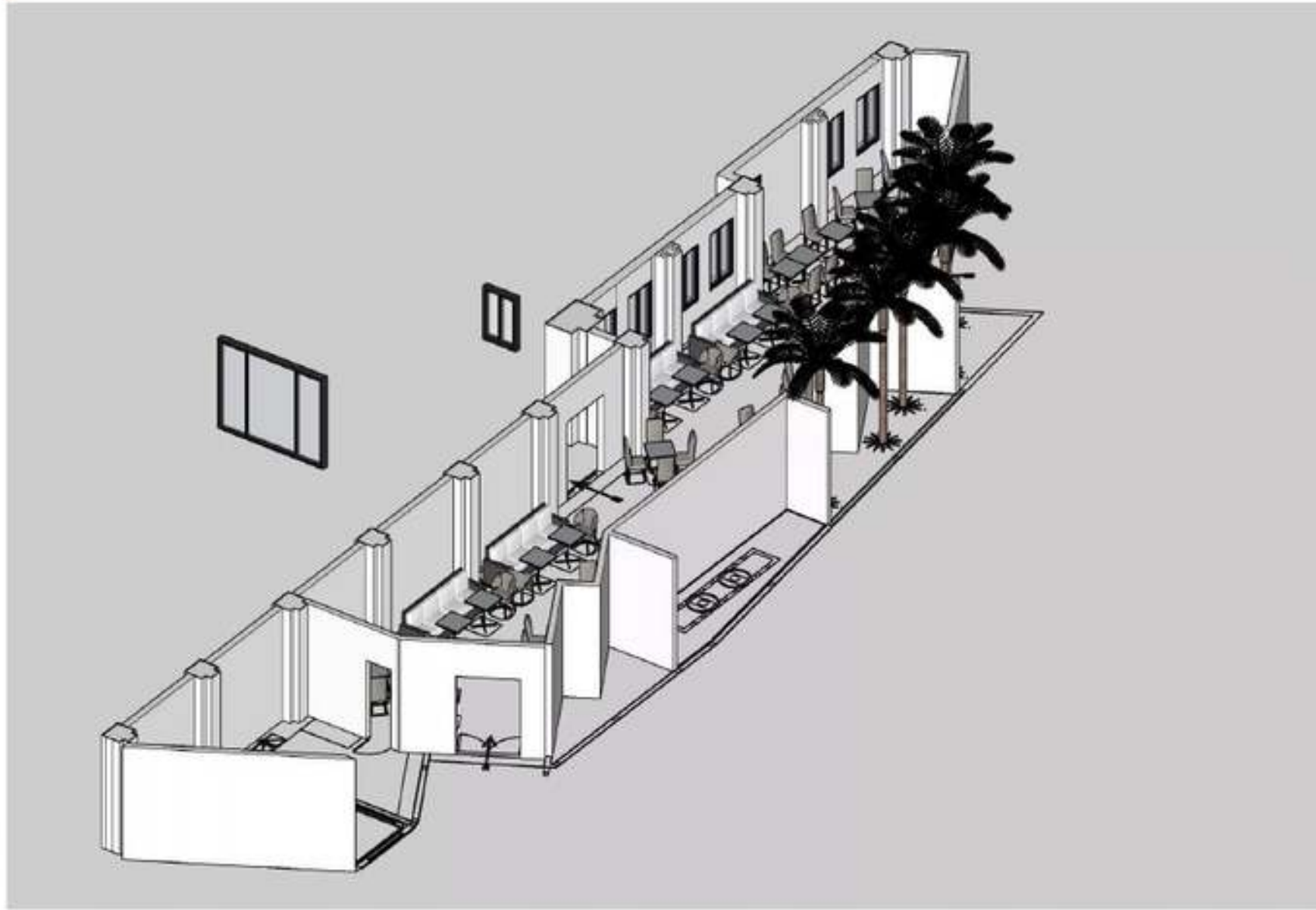
PUBLIC HEALTH: PRIMARY HEALTH CENTER





DESIGN MEP

MEP WORK FOR MODIFICATION OF THE GF SHISHA BAR AT AL RABBAN HOTEL



DESIGN MEP

MEP WORK FOR MODIFICATION OF THE GF SHISHA BAR AT AL RABBAN HOTEL

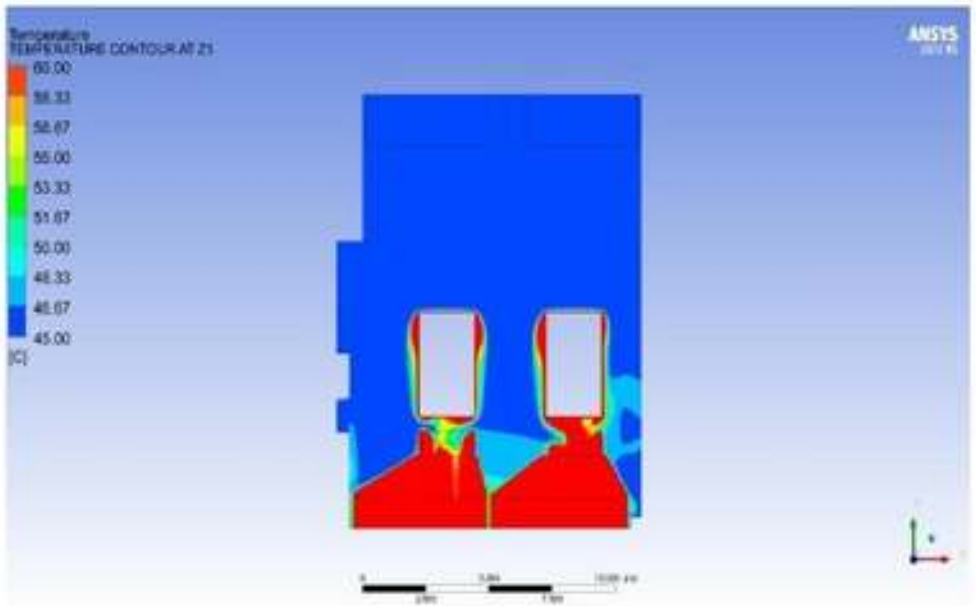


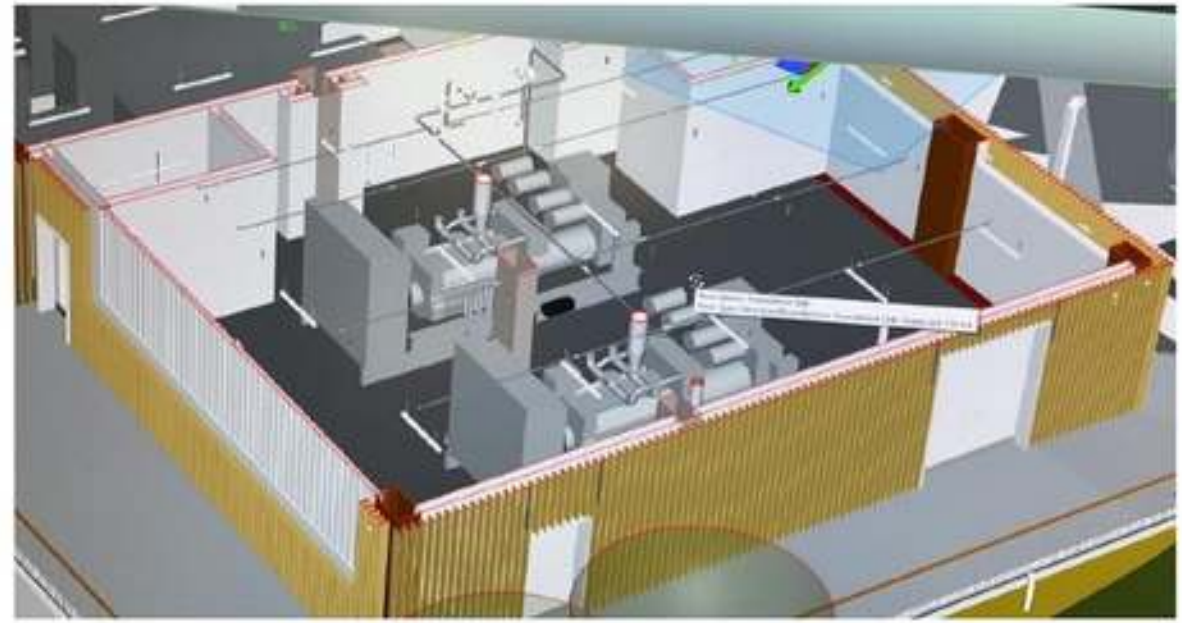


DESIGN MEP

QETAIFAN ISLAND NORTH

- ESP Calculations for Fans , AHU and Pumps
- CFD for basement Car park
- Generator Room CFD and Design
- Generator room ventilation Design

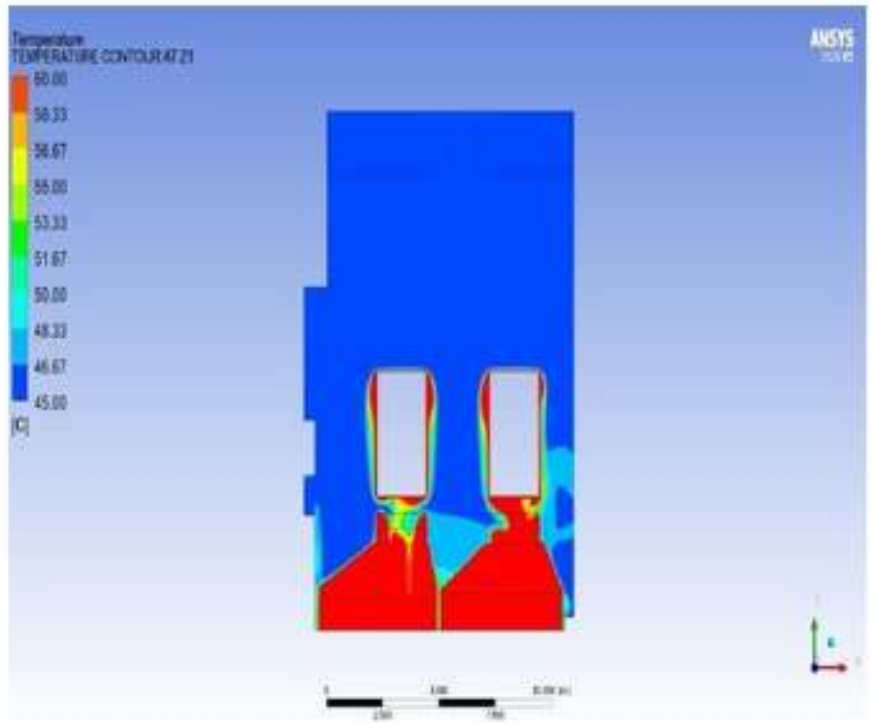


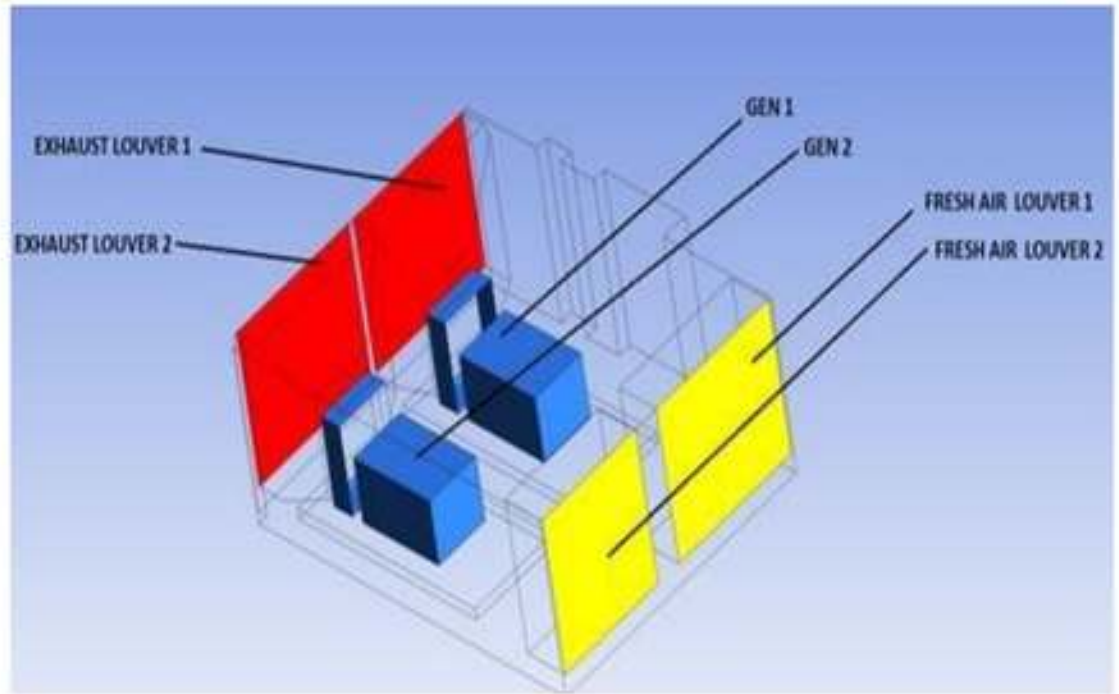




DESIGN MEP

CFD

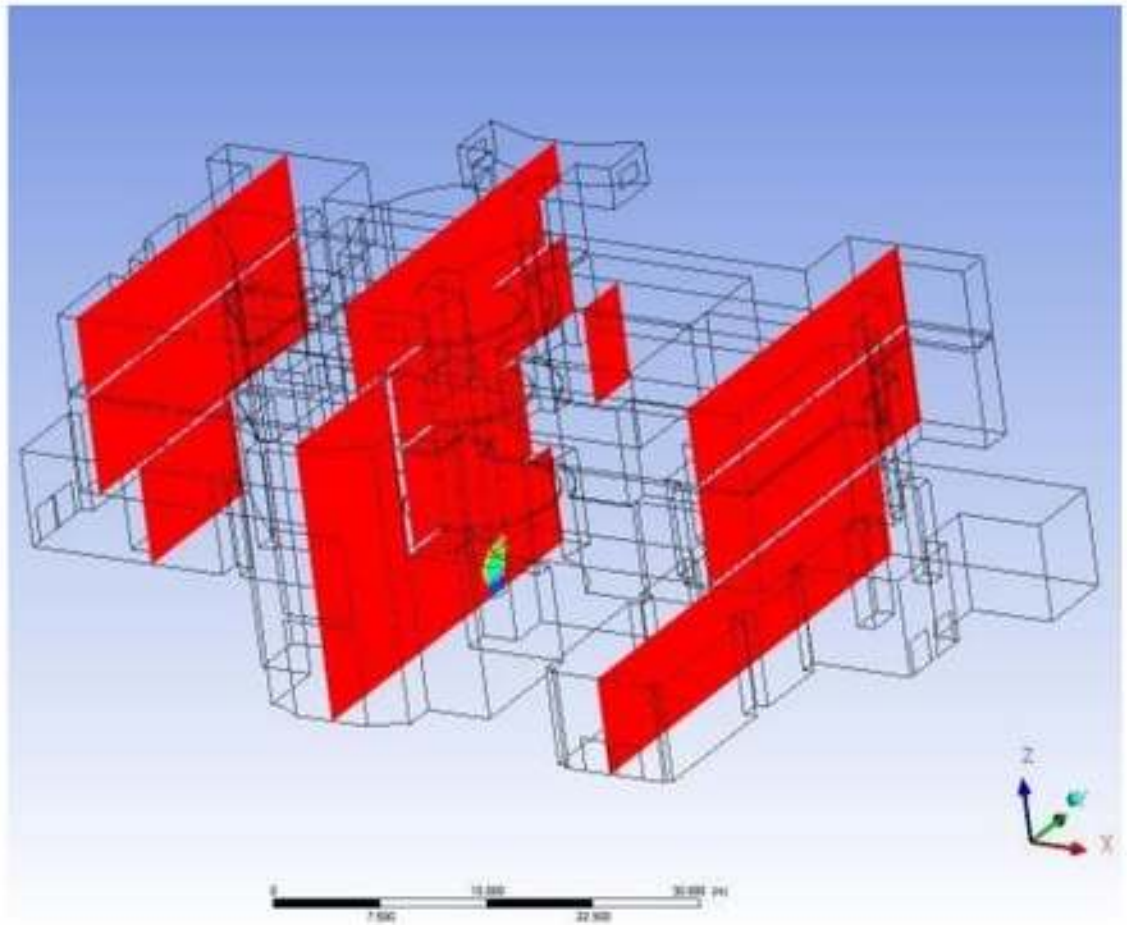


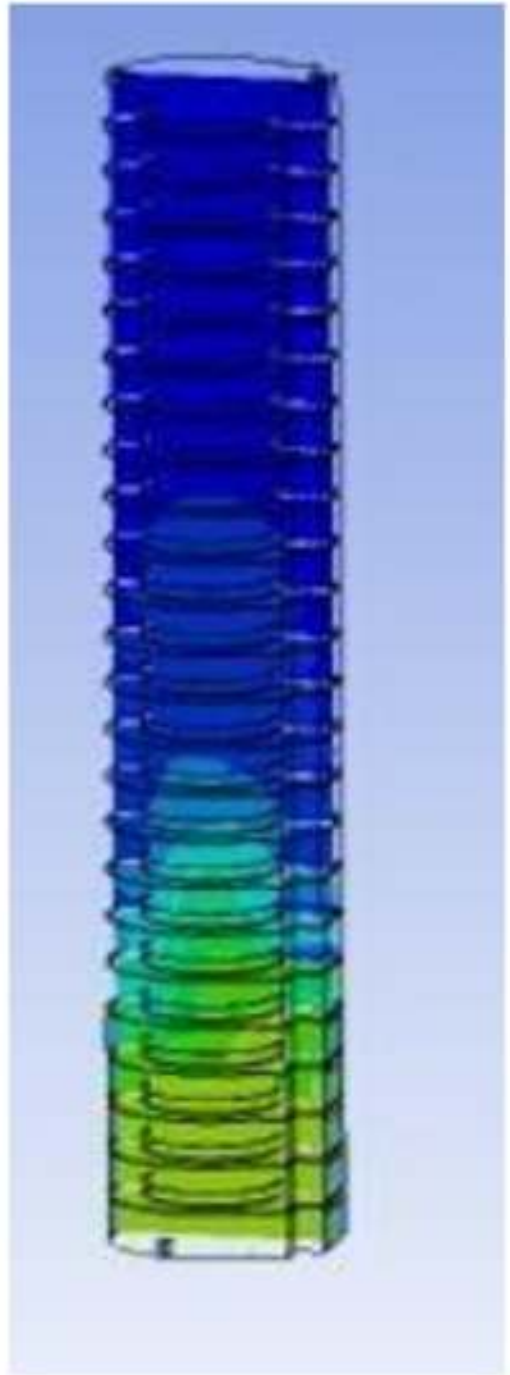


DESIGN MEP

ATRIUM SMOKE MANAGEMENT CFD

- ❑ High Rise Building
- ❑ Three stage Smoke management

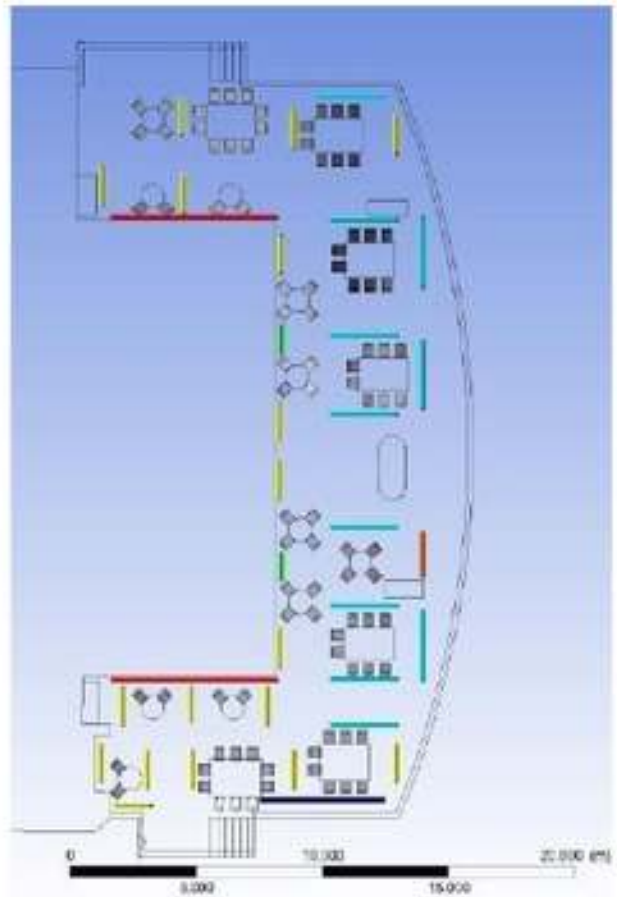


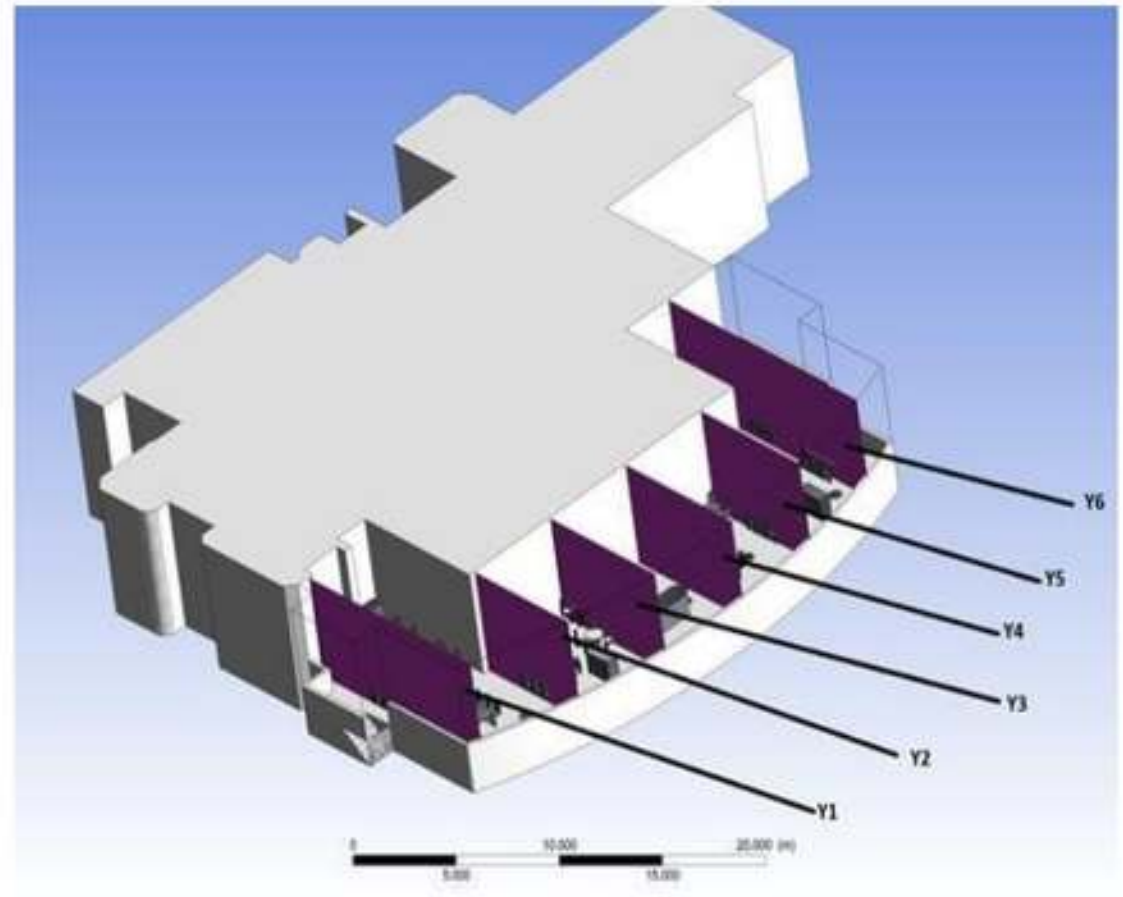


DESIGN MEP

OUTDOOR RESTAURANT CFD IN WEST BAY AREA

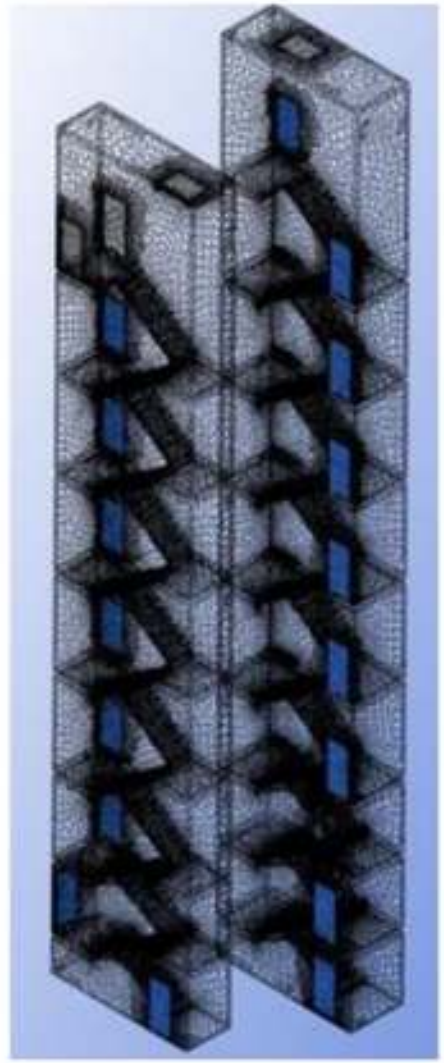
- ❑ CFD to analyze the comfortability of the occupants
- ❑ Advise the designer for the prefect design.
- ❑ Pearl Qatar

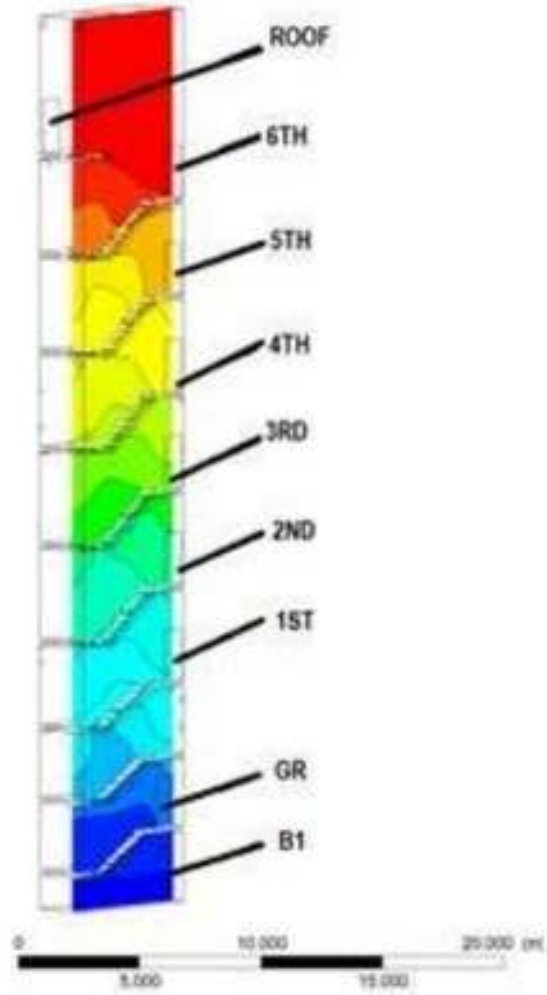


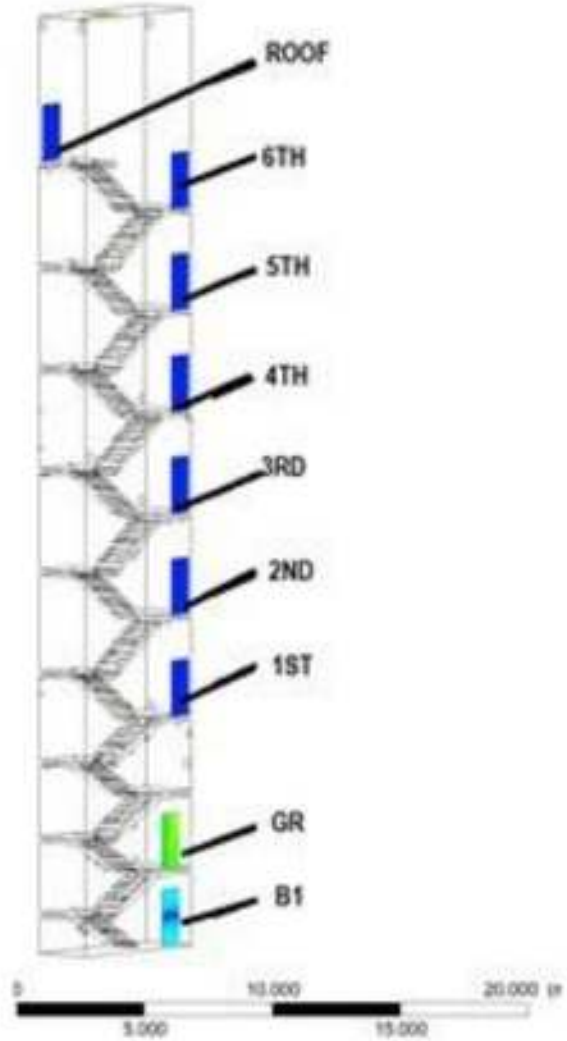


DESIGN MEP

STAIRCASE PRESSURIZATION CFD FOR QCDD WAIVER

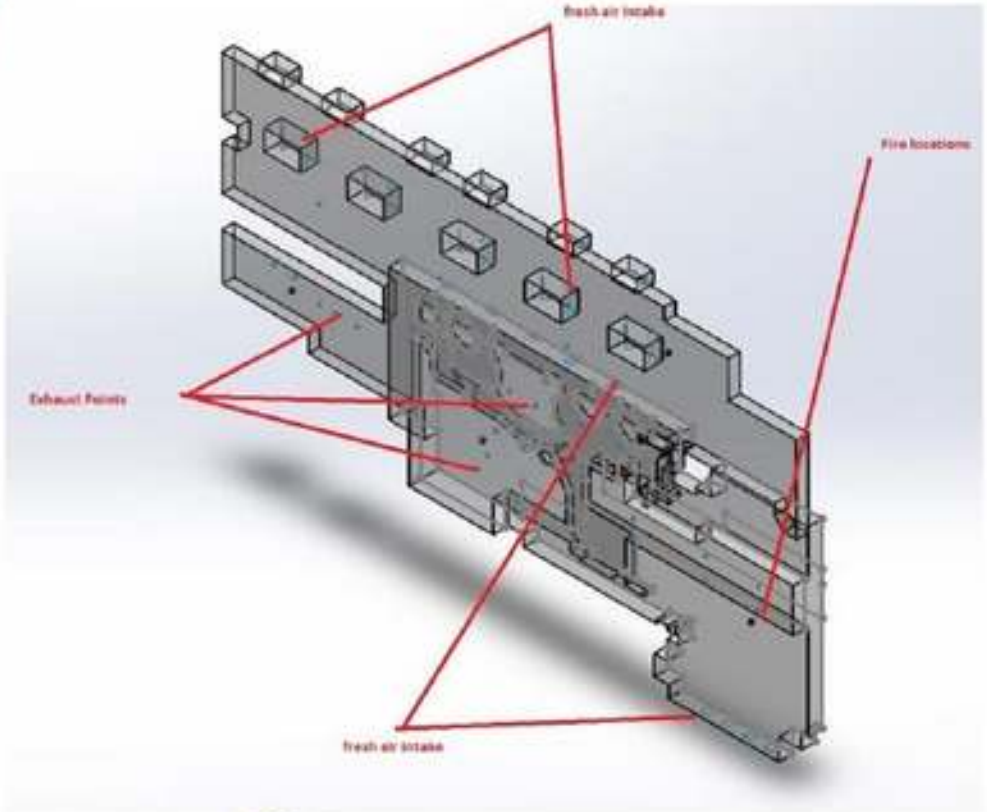


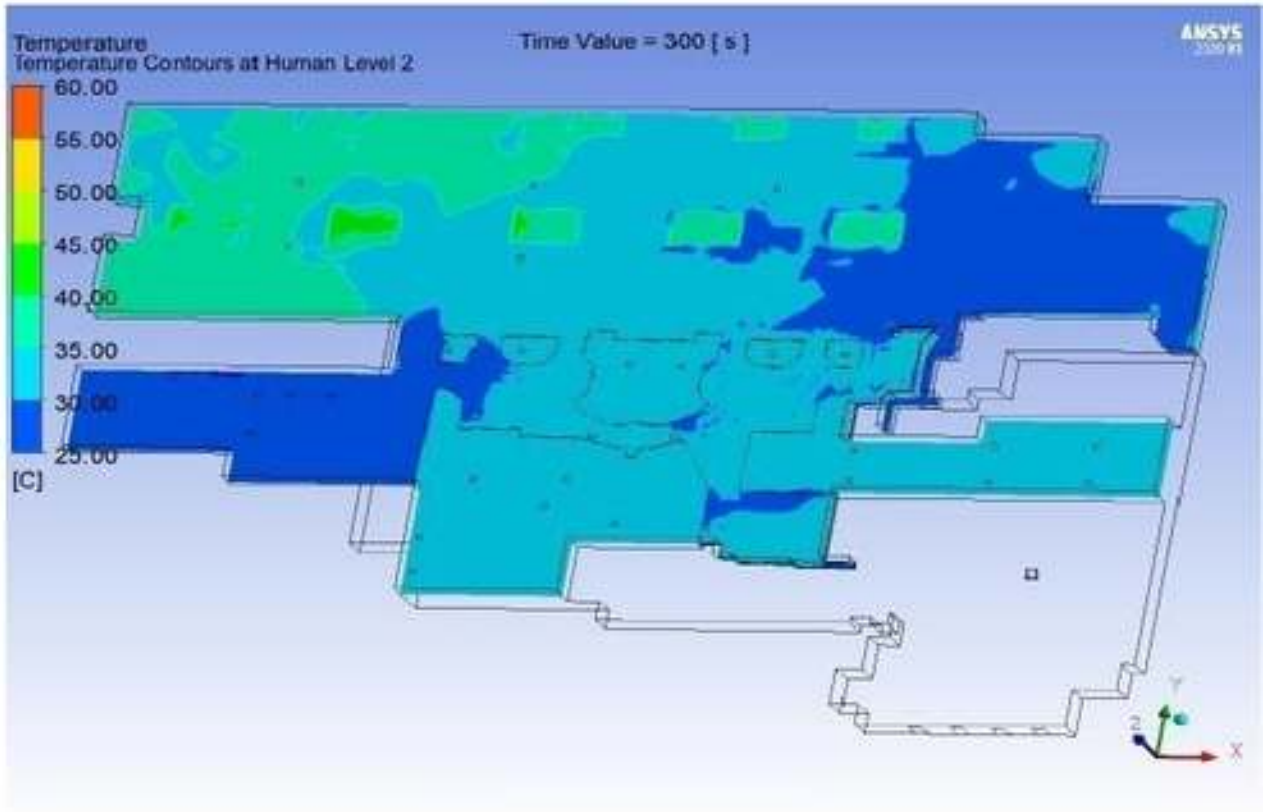




DESIGN MEP

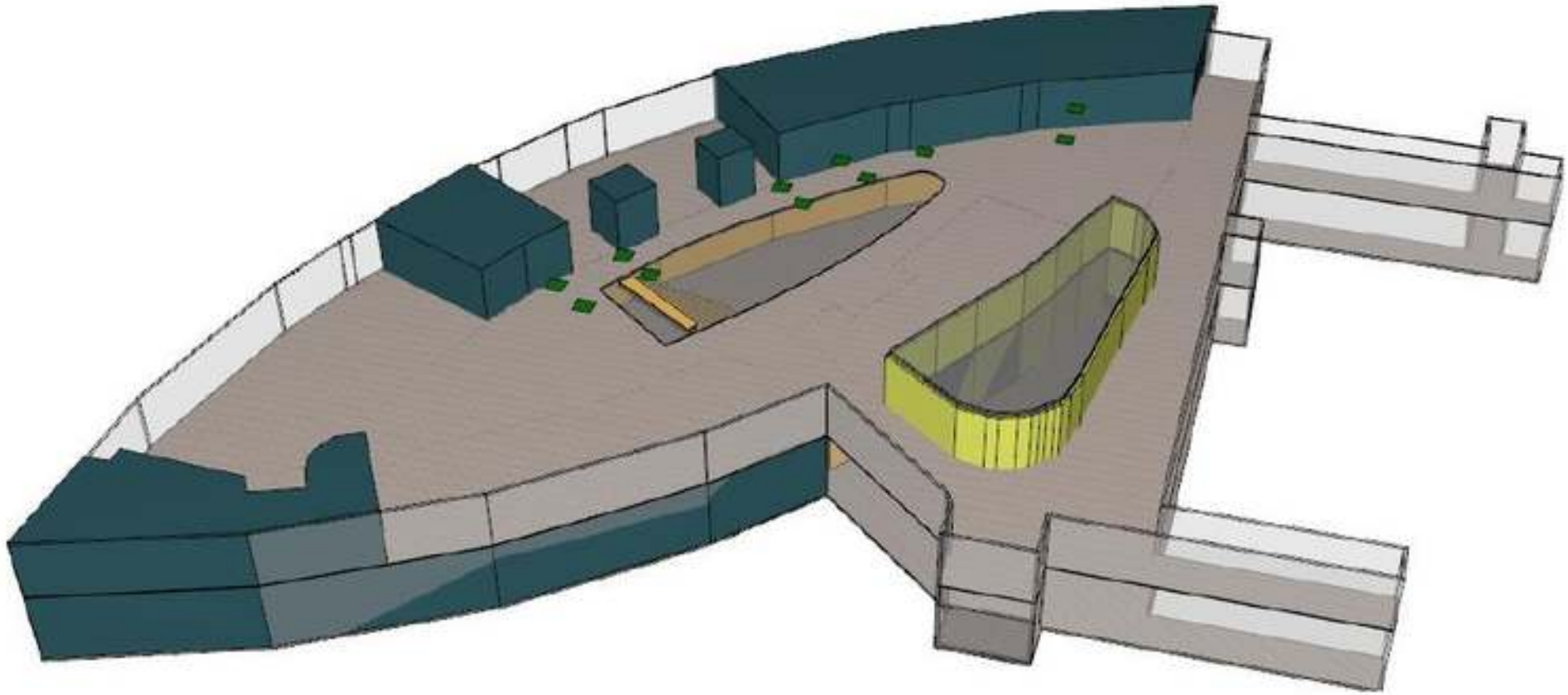
DIA (OLD DOHA AIRPORT) SMOKE MANAGEMENT





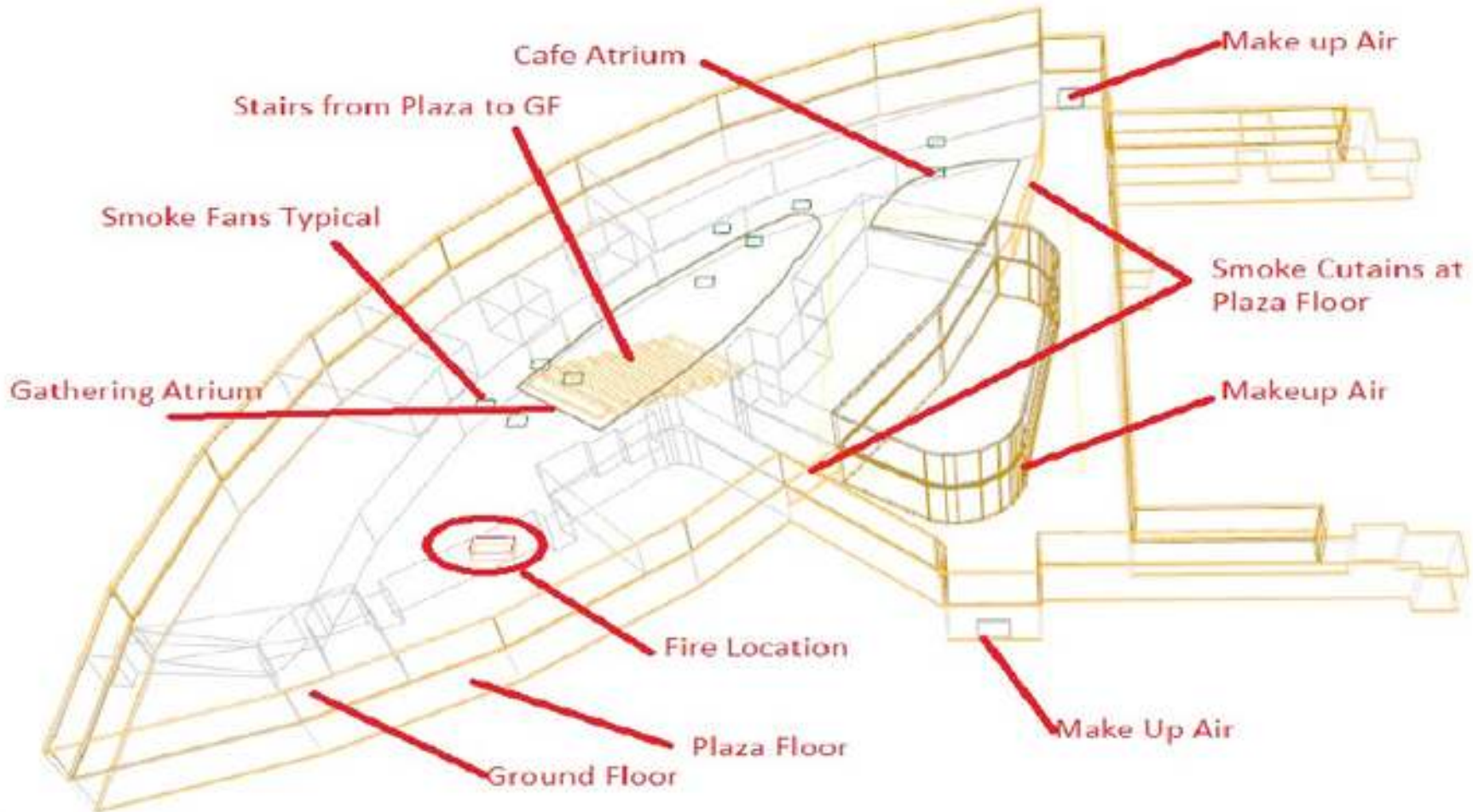
DESIGN MEP

SMOKE MANAGEMENT SYSTEM FOR ACADEMYATI & QATAR ACADEMY FOR SCIENCE & TECHNOLOGY



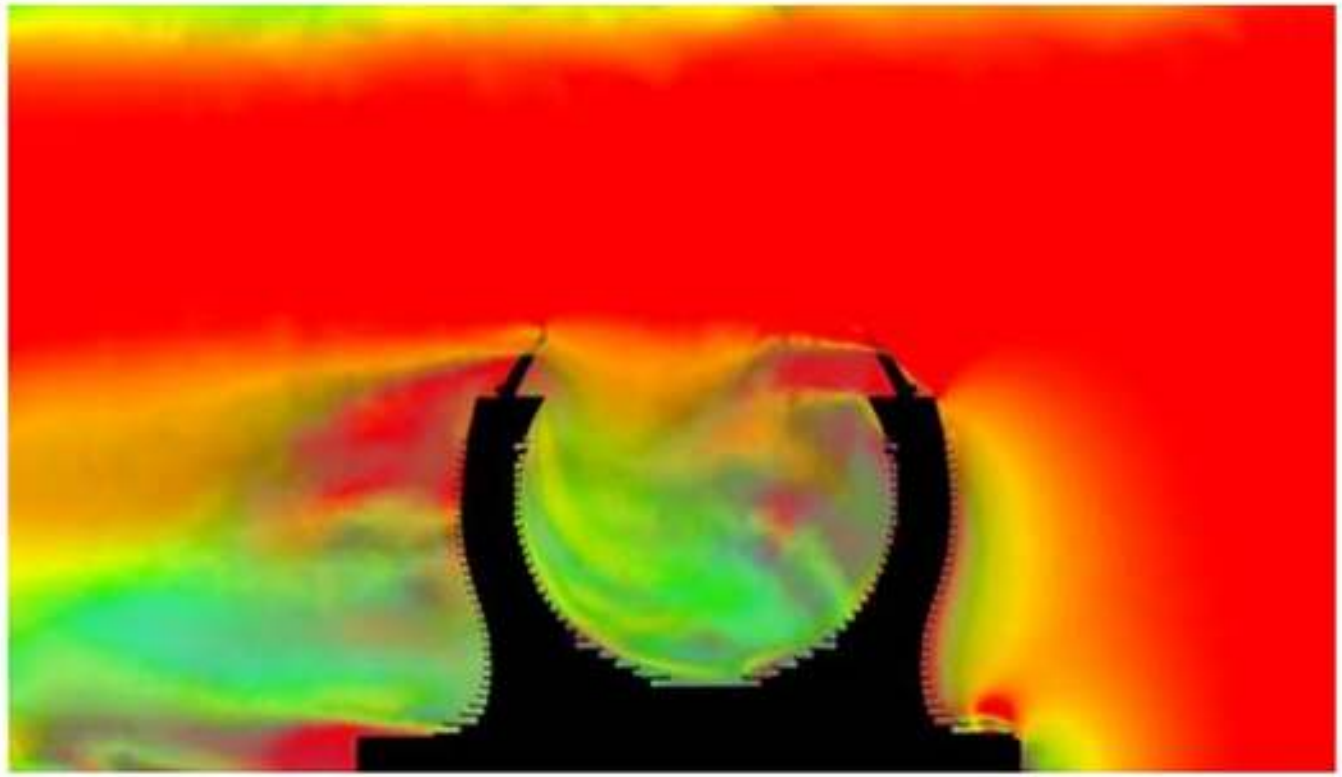
DESIGN MEP

SMOKE MANAGEMENT SYSTEM FOR ACADEMYATI & QATAR ACADEMY FOR SCIENCE & TECHNOLOGY



DESIGN MEP

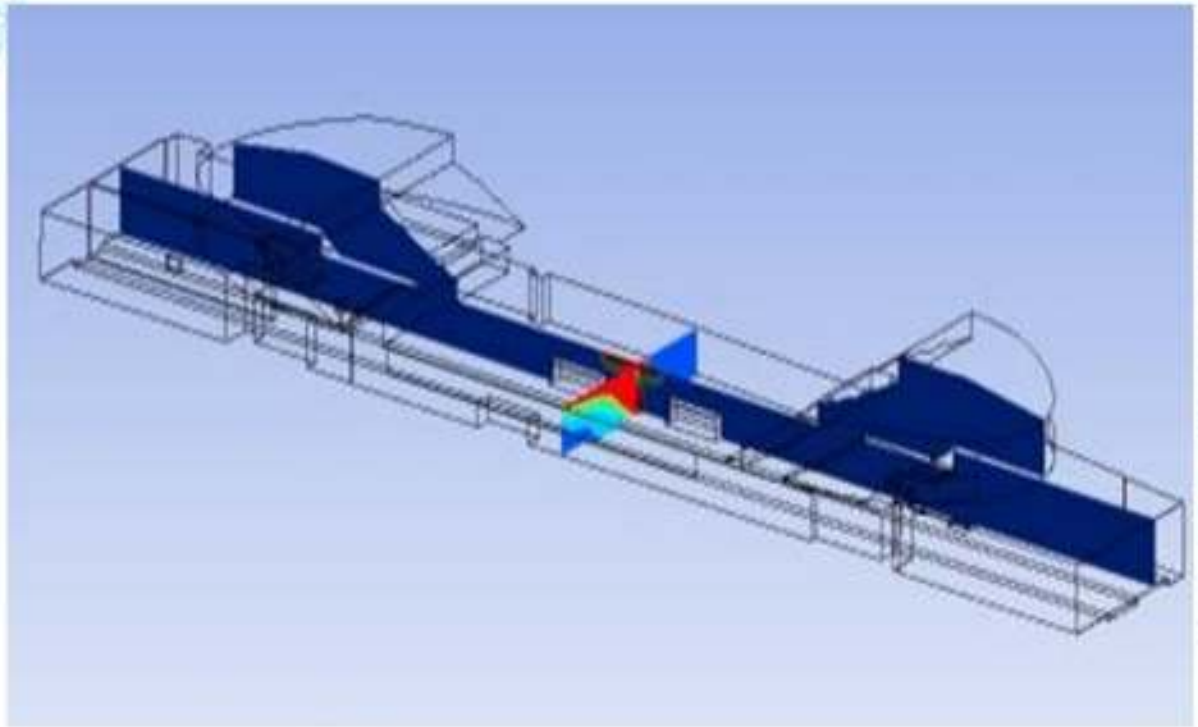
CFD STUDY FOR UPLIFT FORCE/PRESSURE ON THE BALCONY WOODEN FLOORS DUE TO THE 150KM/H WIND SPEED





DESIGN MEP

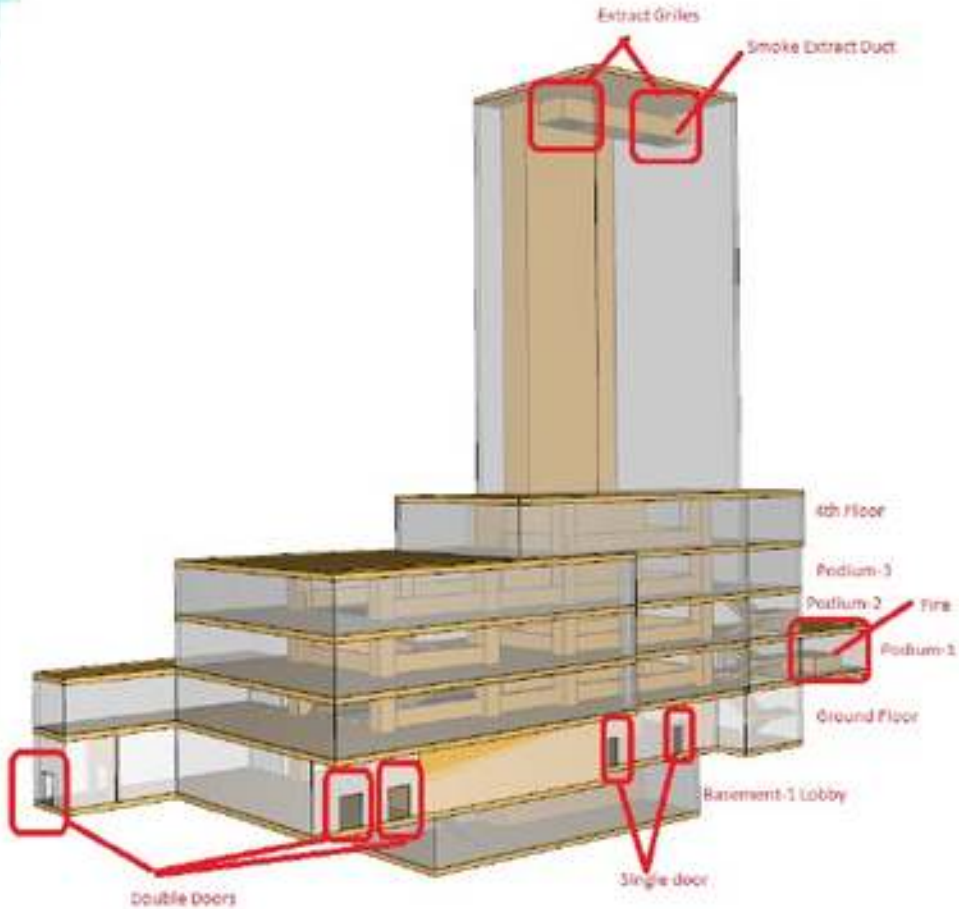
CFD FOR SMOKE MANAGEMENT SYSTEM FOR LUSAIL PLAZA METRO STATION

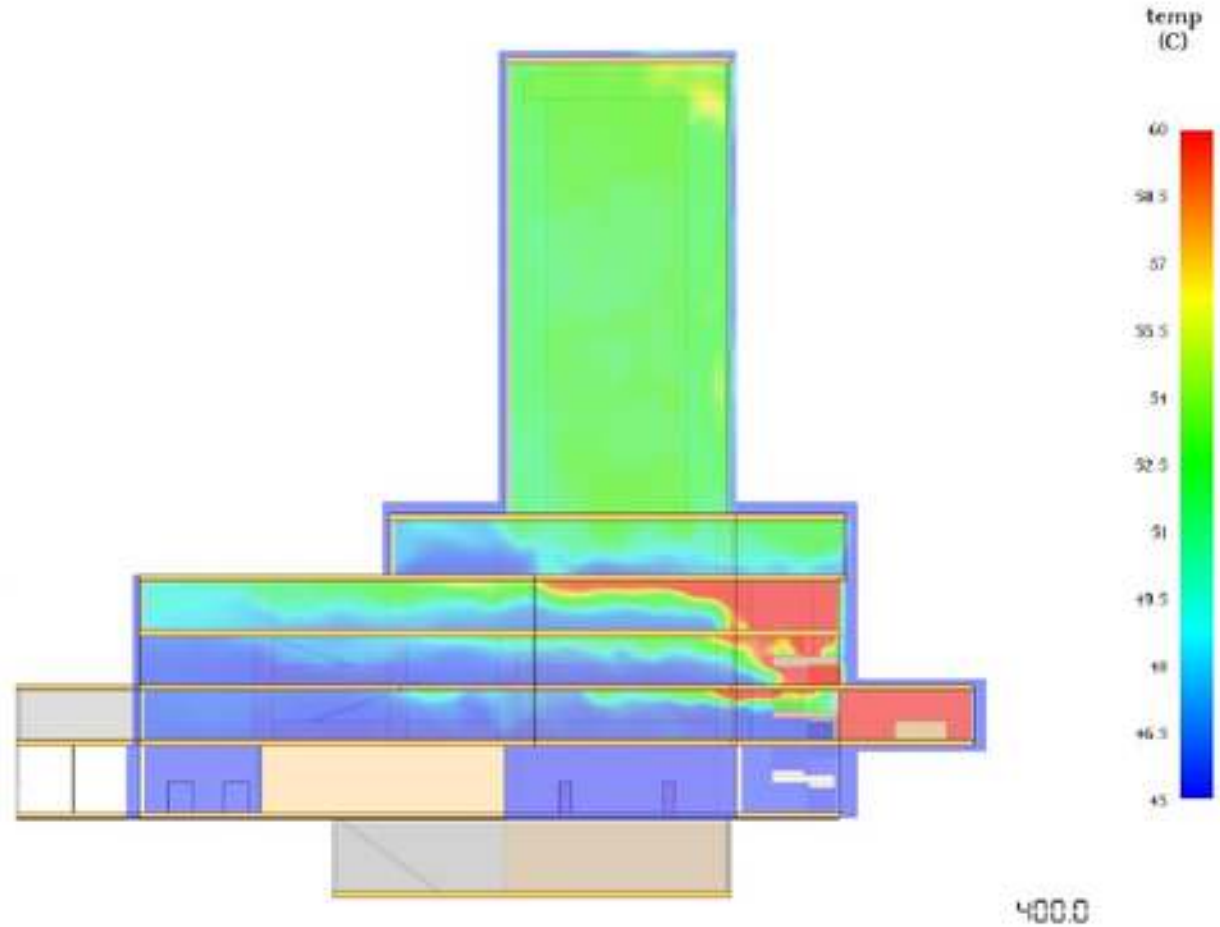




DESIGN MEP

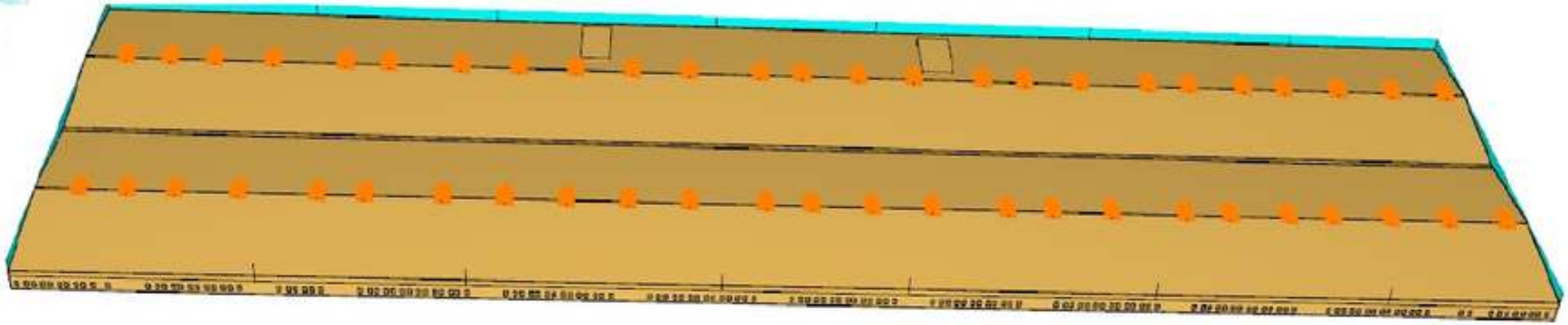
CFD ANALYSIS FOR ATRIUM SMOKE MANAGEMENT SYSTEM

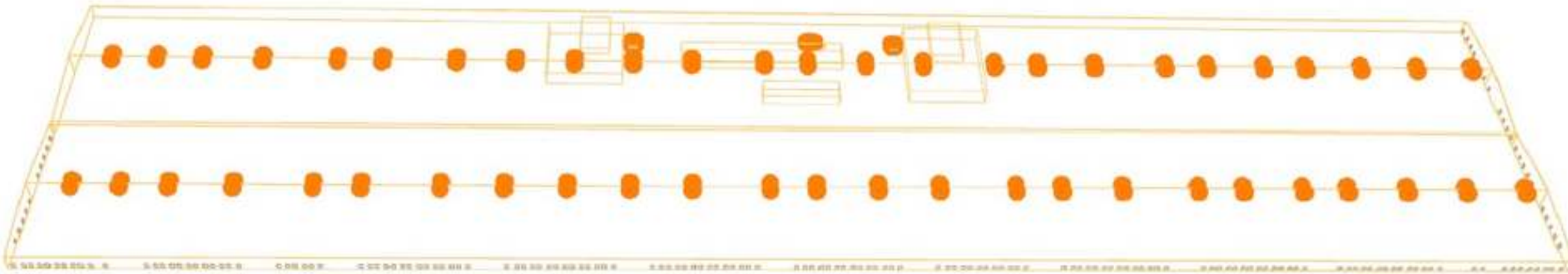




DESIGN MEP

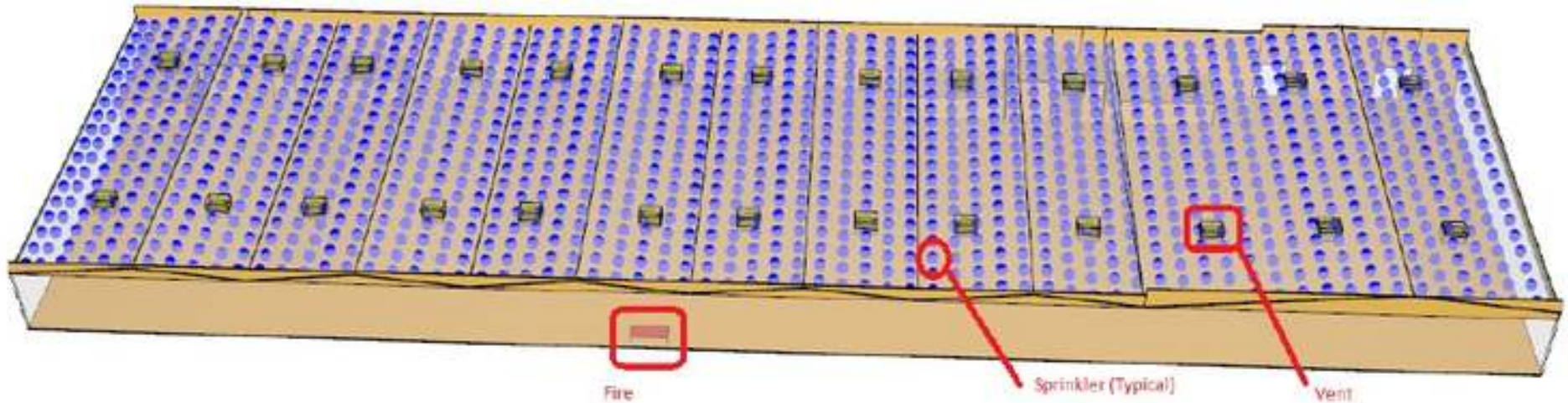
CFD ANALYSIS OF SMOKE EXTRACTION SYSTEM PERFORMANCE OF 1 KM LONG WAREHOUSE

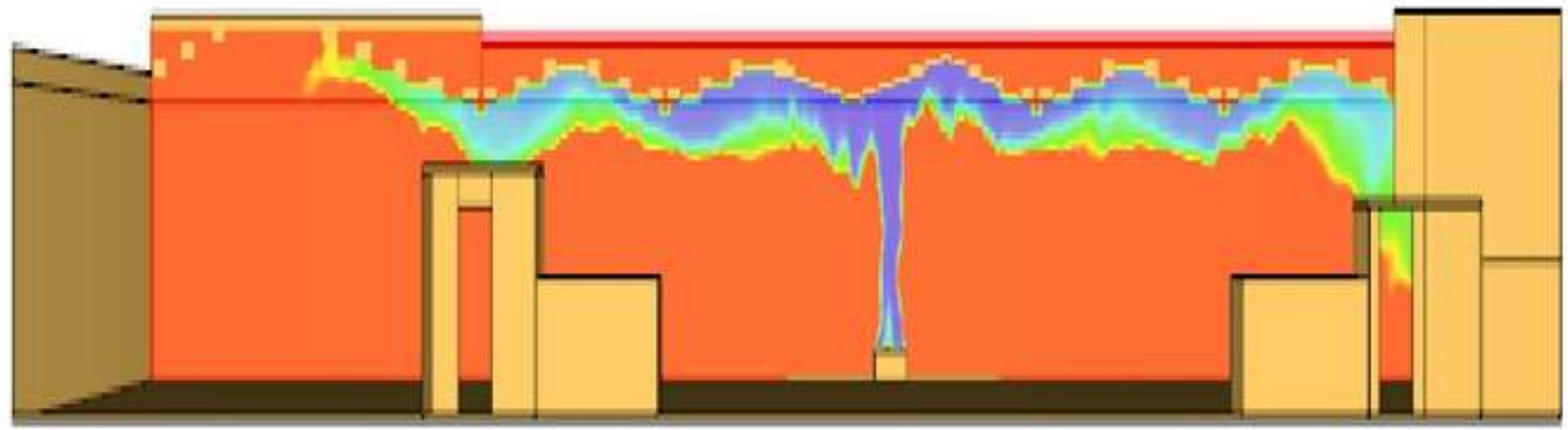




DESIGN MEP

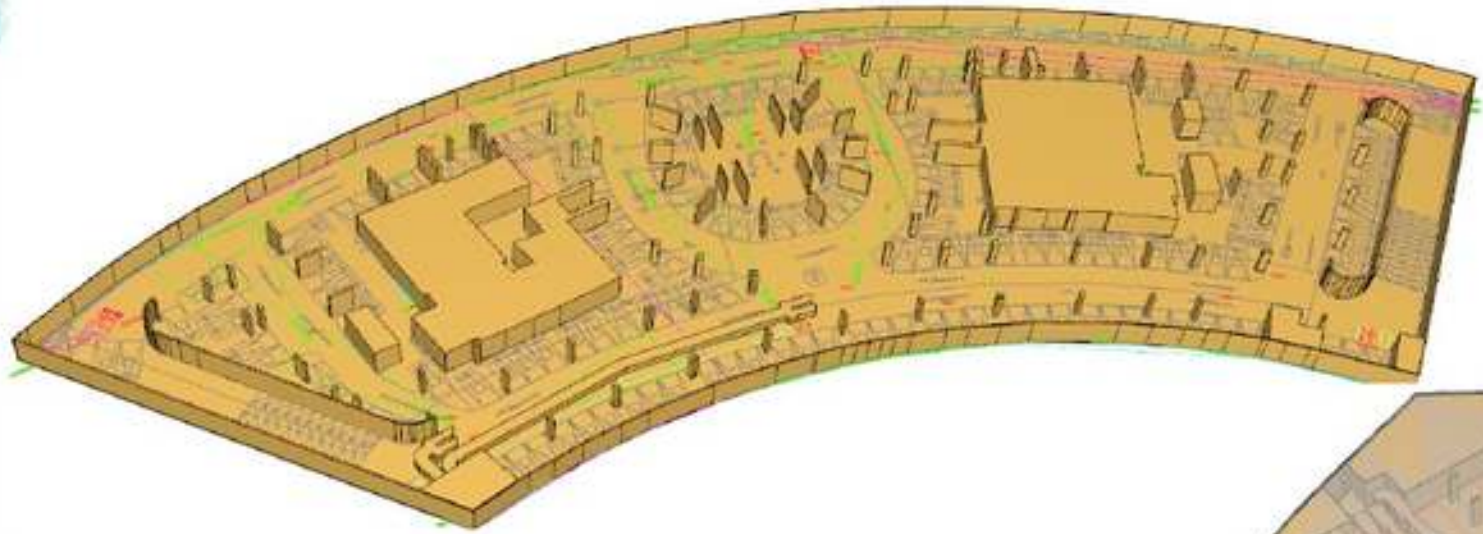
CFD ANALYSIS TO STUDY THE IMPACT OF ROOF SMOKE VENTS ON THE OPERATION OF THE SPRINKLER

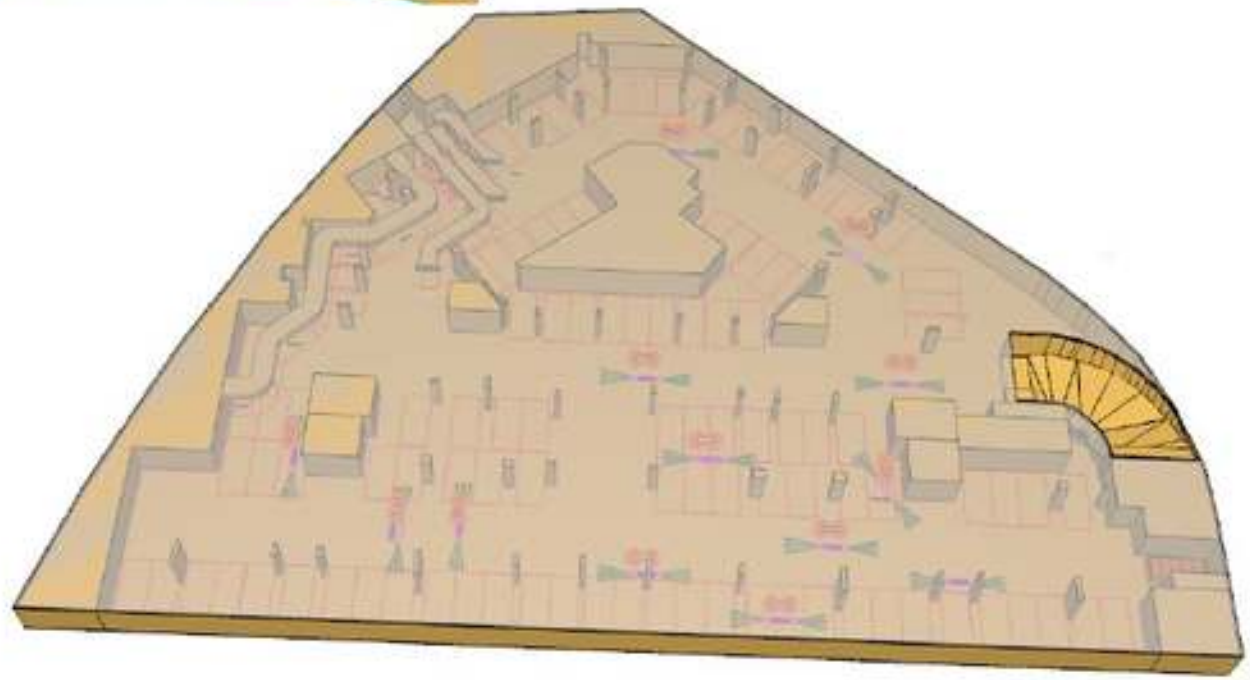




DESIGN MEP

CFD ANALYSIS FOR BASEMENT CAR PARK VENTILATION SYSTEMDESIGN FOR AUTHORITY APPROVALS





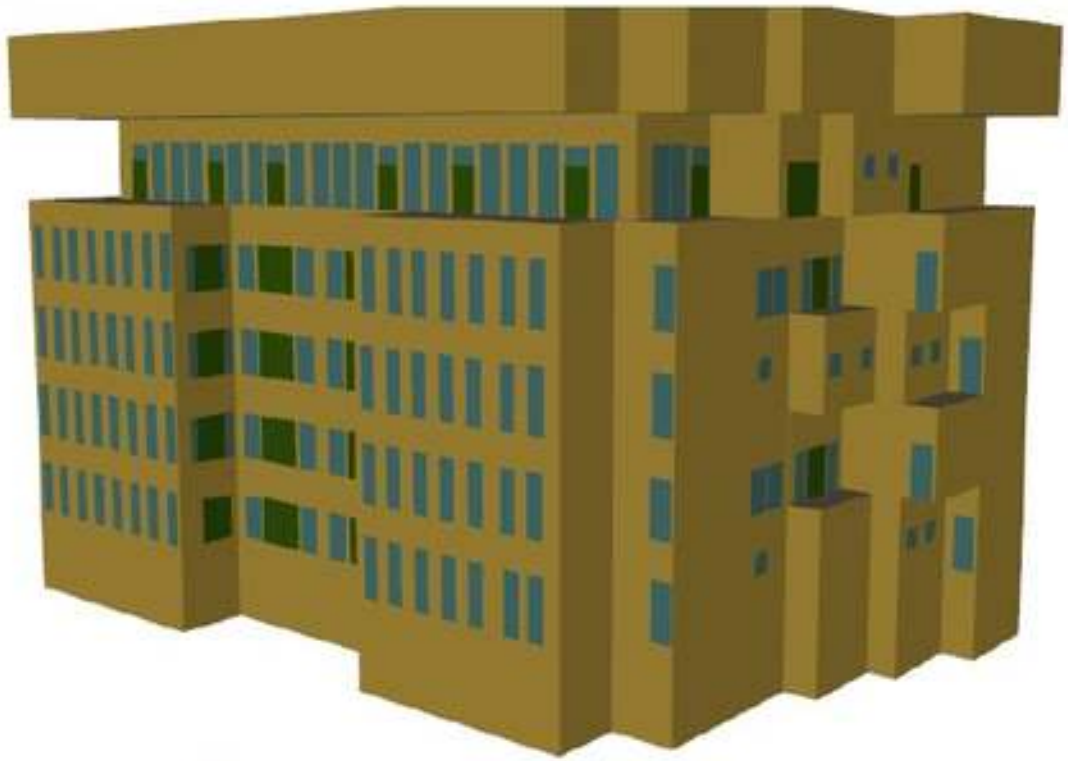
DESIGN MEP

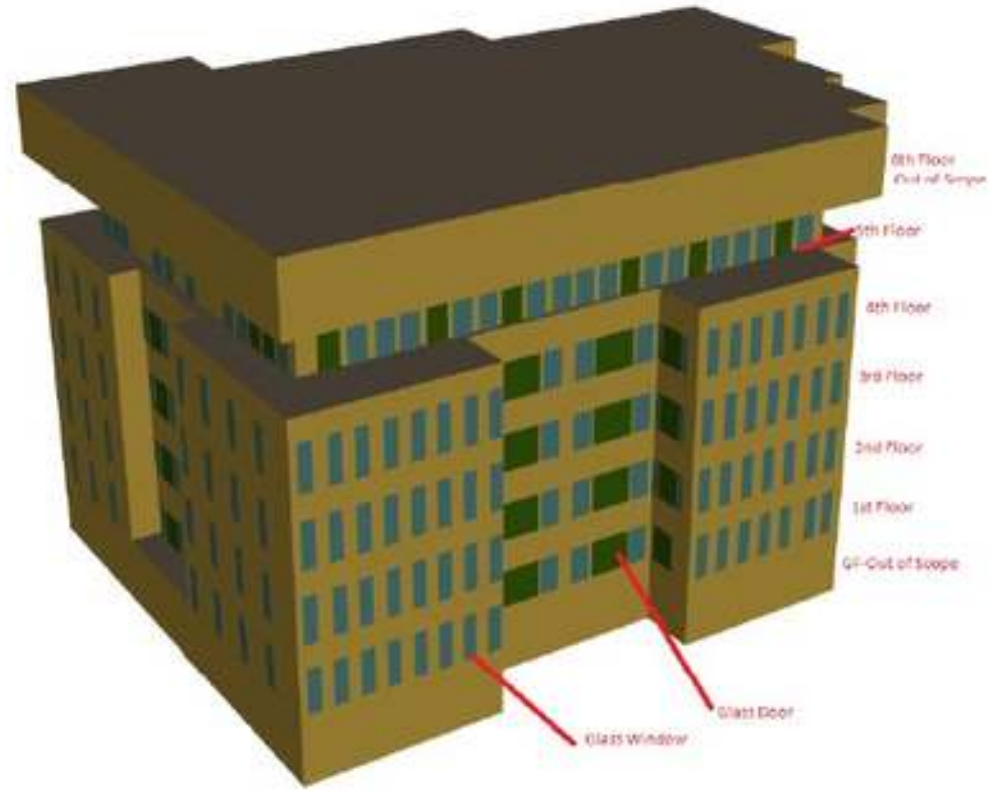
CFD ANALYSIS FOR AIR DISTRIBUTION OF THE SHURA COUNCIL HALL



DESIGN MEP

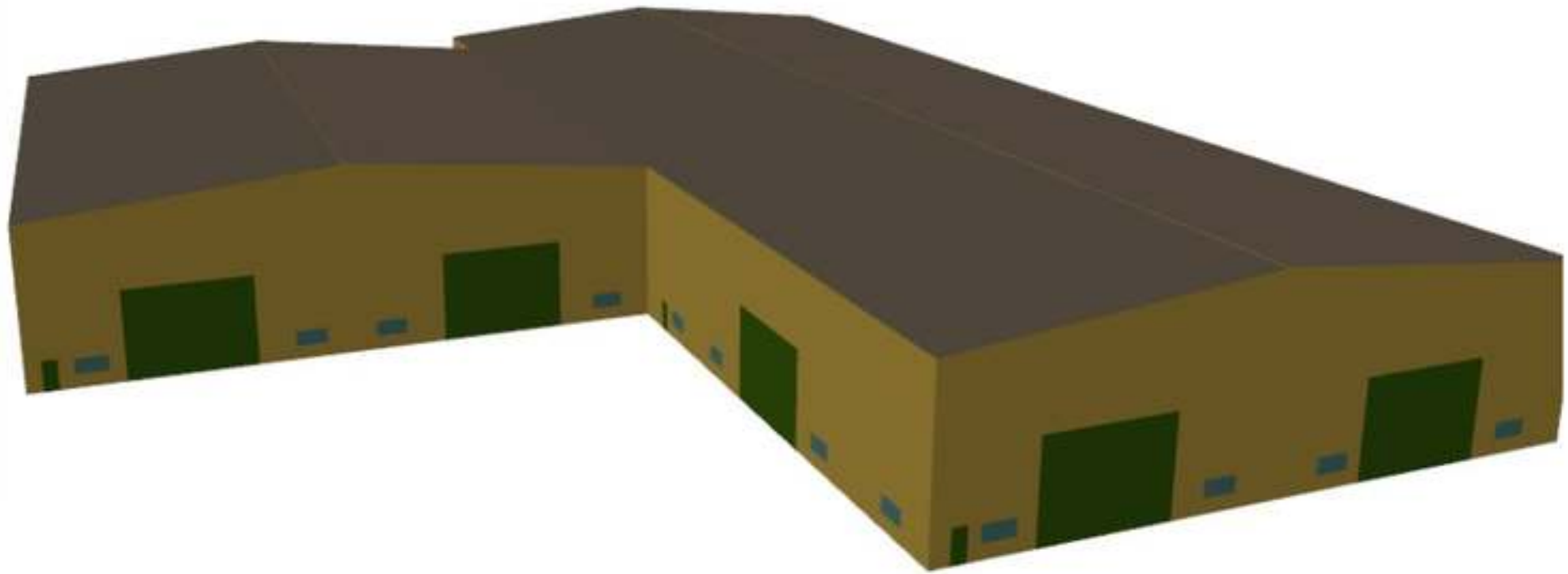
DESIGN FOR 5 STAR HOTEL AL MUSHERIB DOWN TOWN





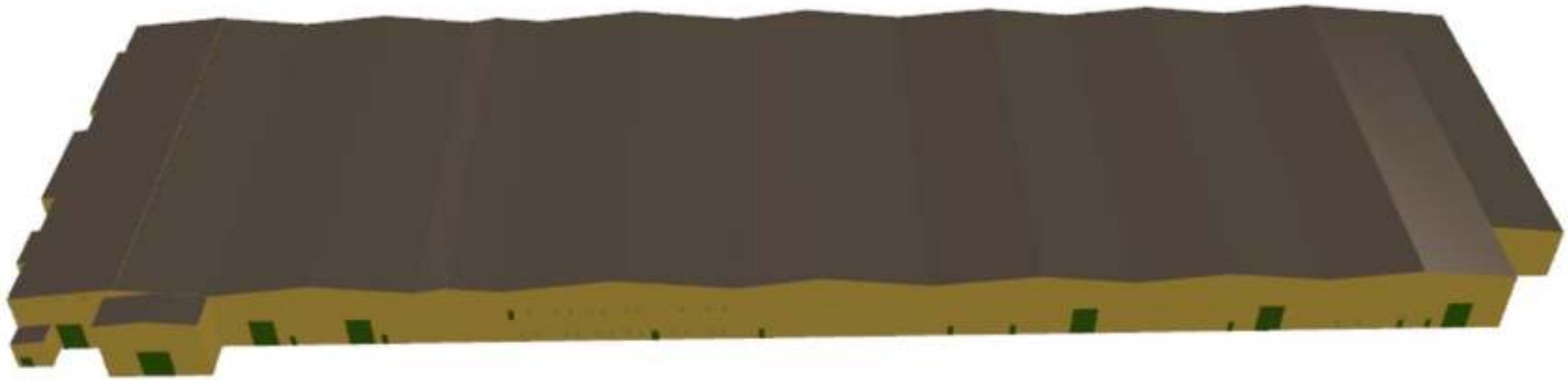
DESIGN MEP

DESIGN FOR METAL WORKSHOP IN INDUSTRIAL AREA



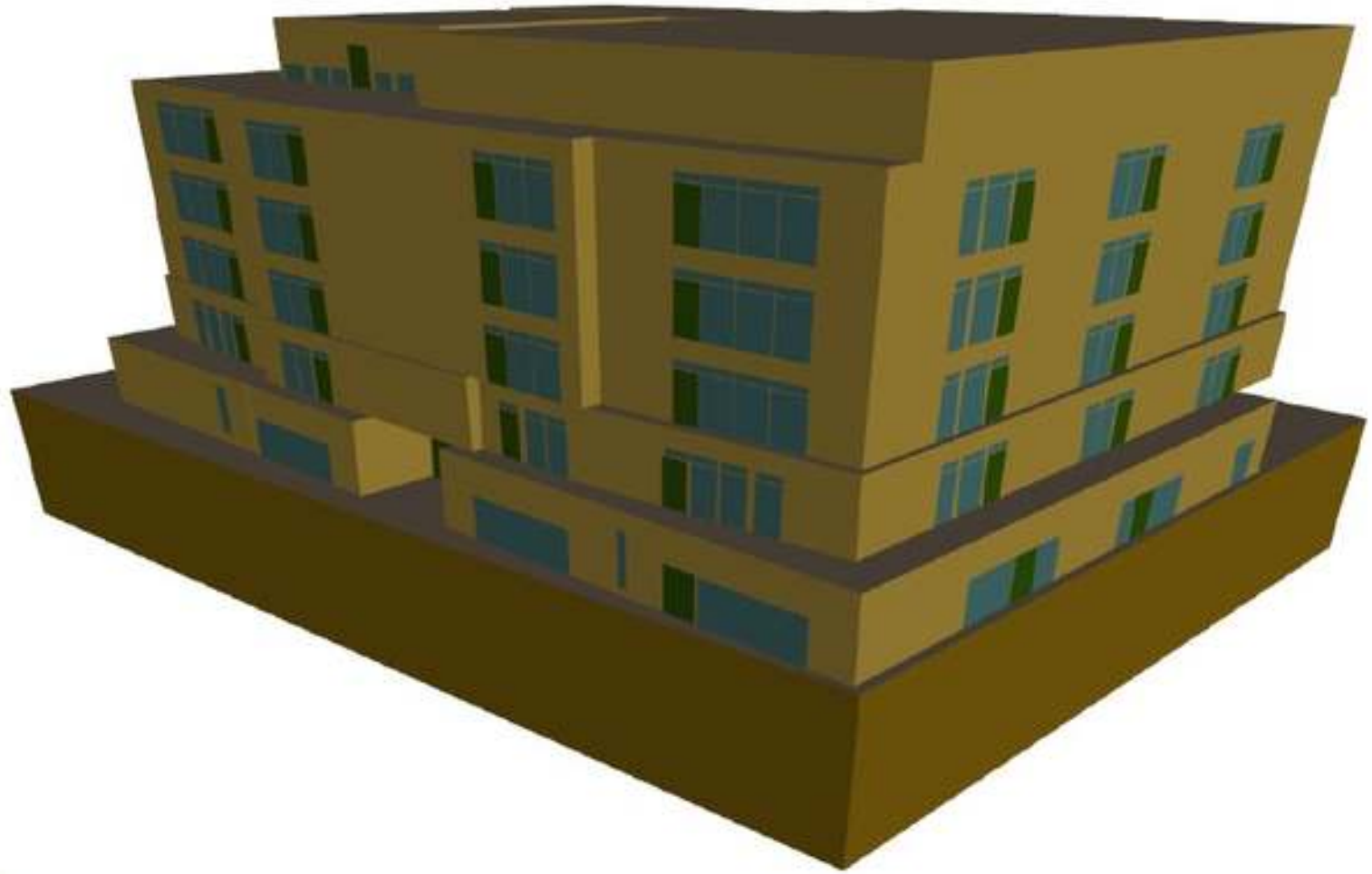
DESIGN MEP

DESIGN FOR WORKSHOP AND WAREHOUSE IN RAS LAFFAN QATAR



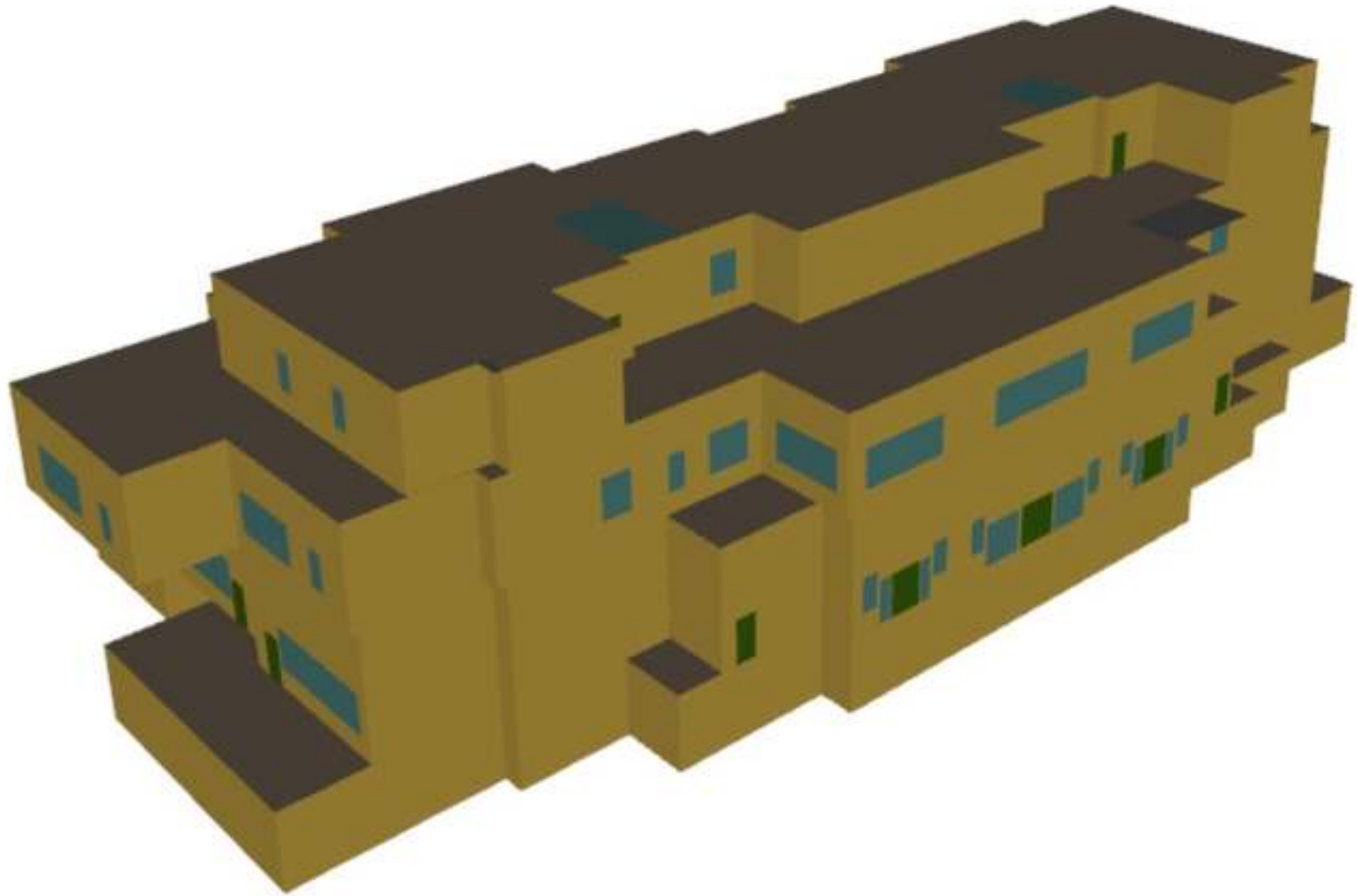
DESIGN MEP

DESIGN FOR FOX HILLS APARTMENTS



DESIGN MEP

DESIGN FOR C-71 BUILDING



DESIGN MEP

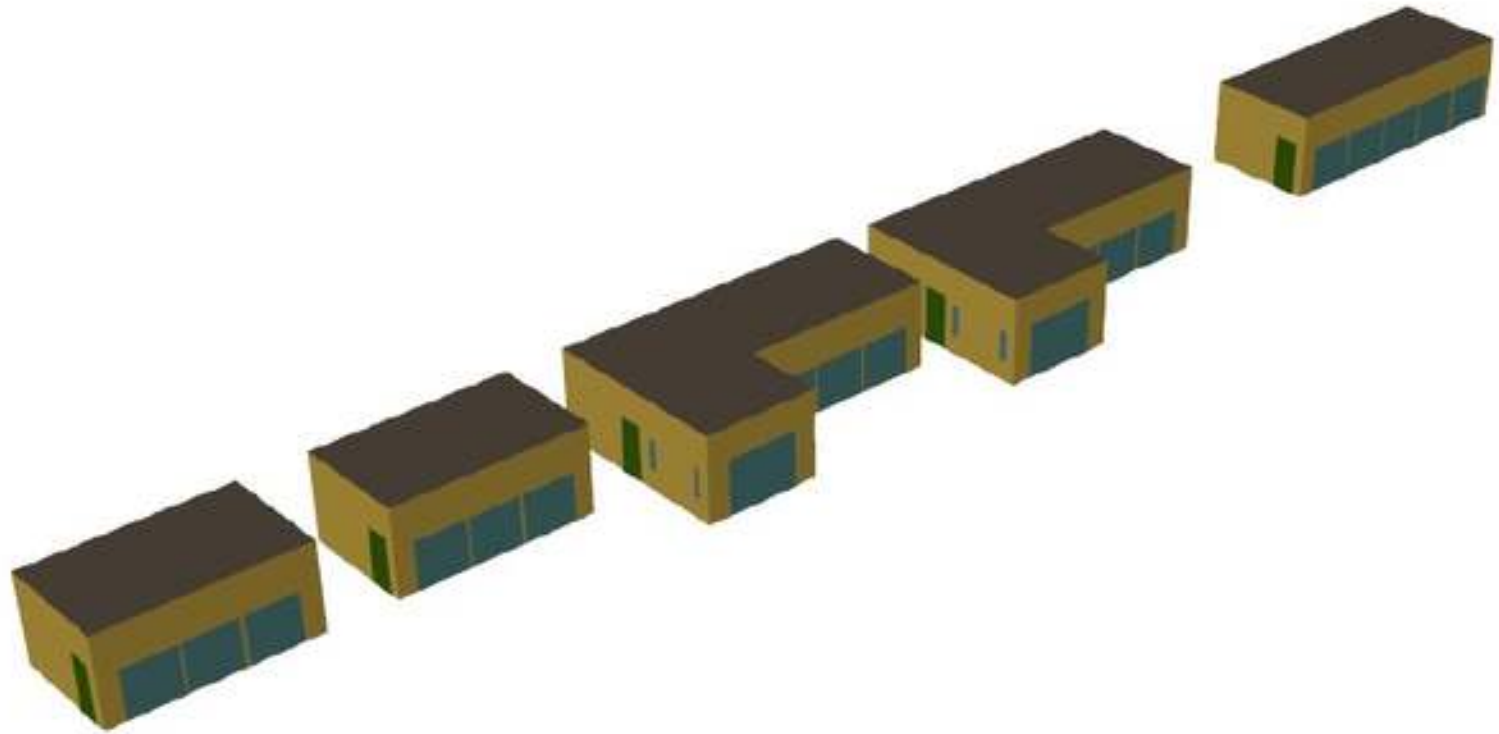
DESIGN FOR JASSIM PALACE





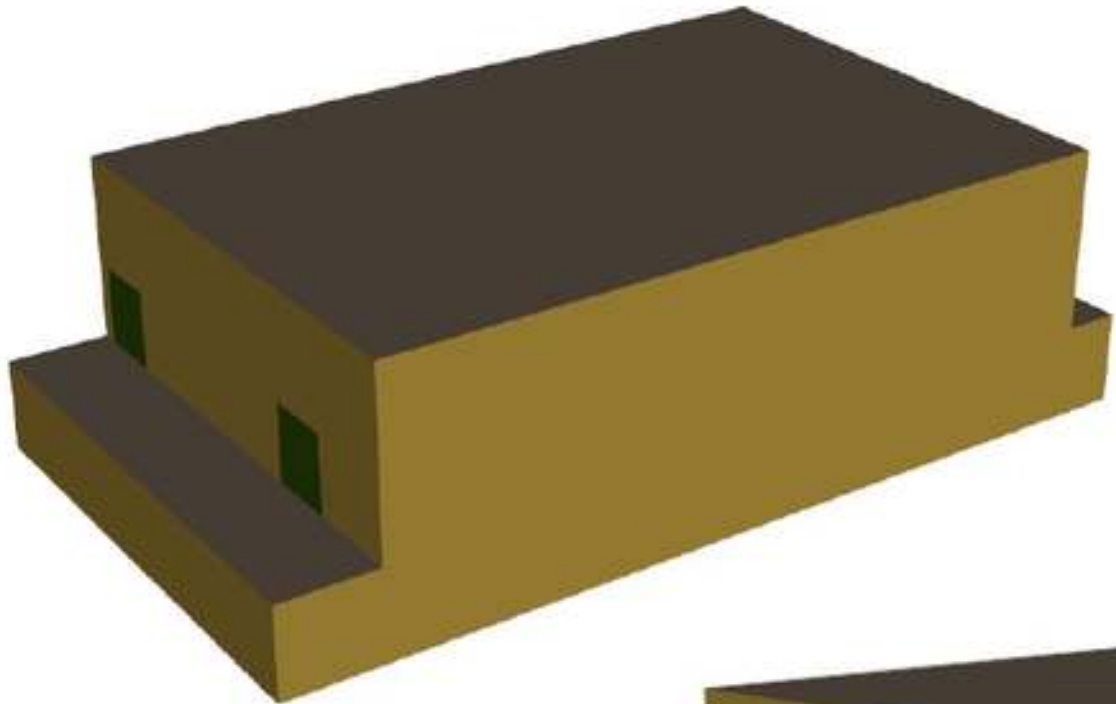
DESIGN MEP

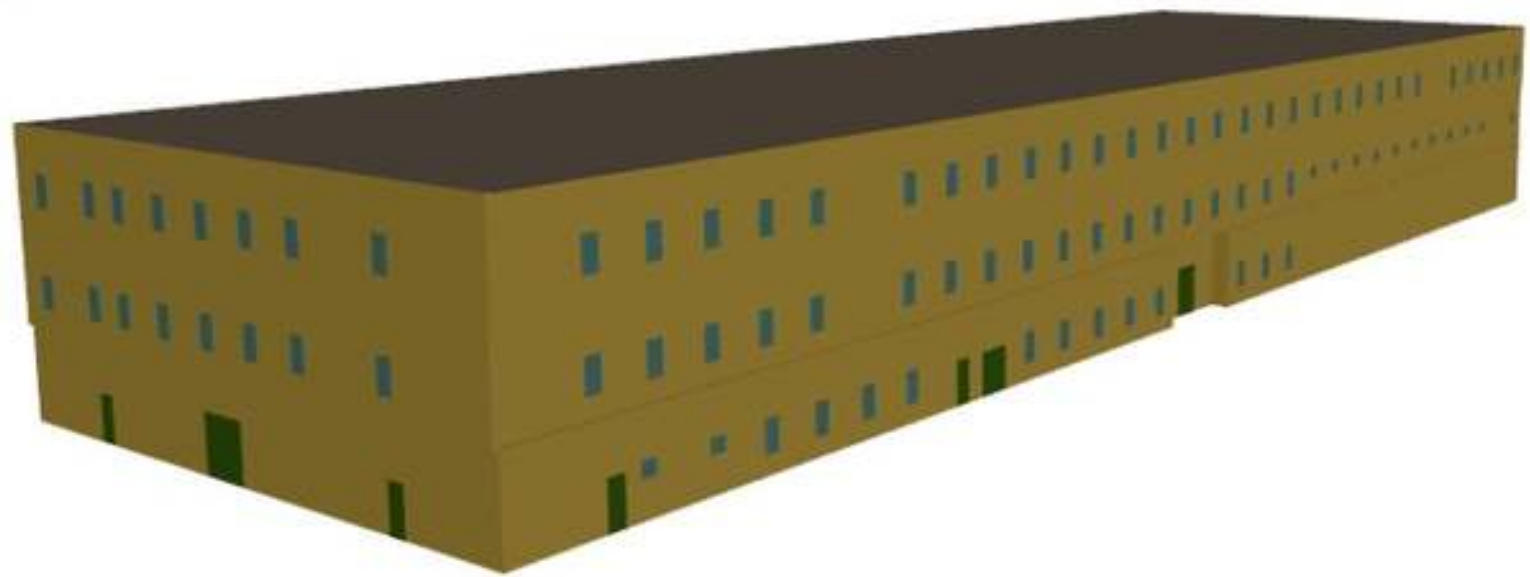
DESIGN FOR BEACH HOTEL IN KSA



DESIGN MEP

DESIGN FOR TECHNICAL E-HOUSES AND SUBSTATIONS





DESIGN MEP

DESIGN FOR GREATER NOIDA RESIDENTIAL TOWERS



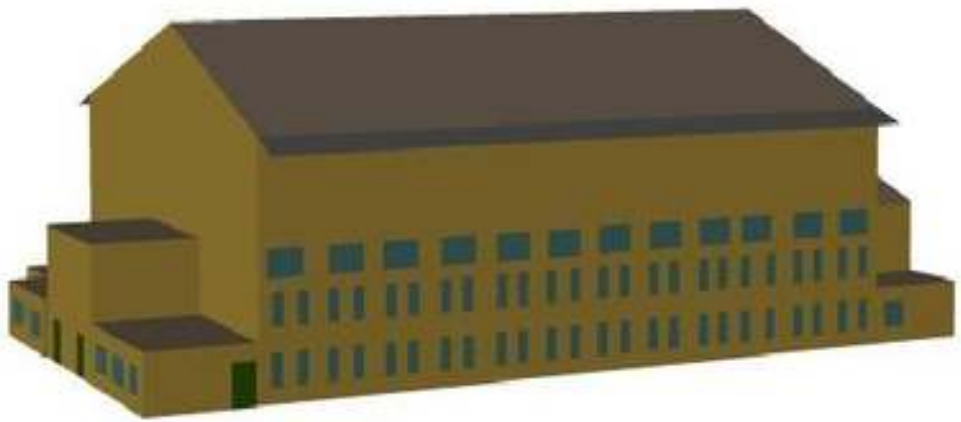


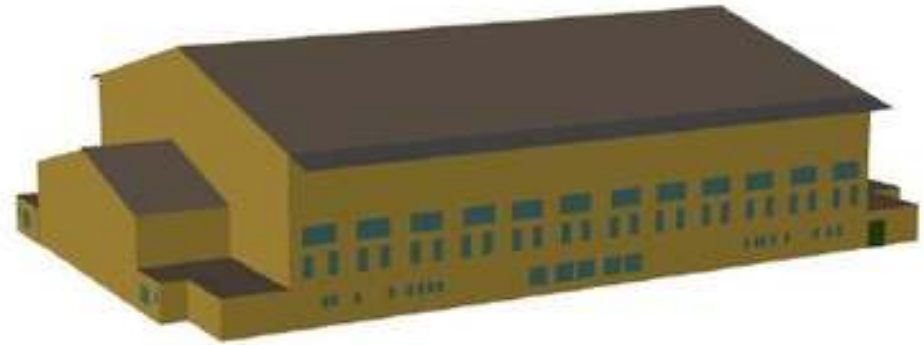


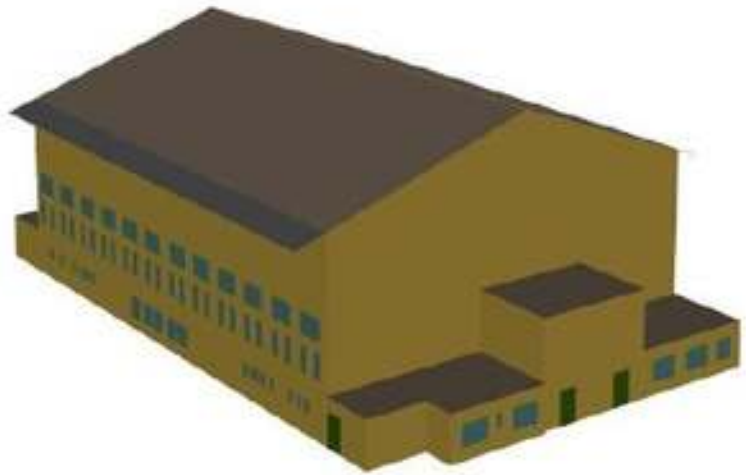


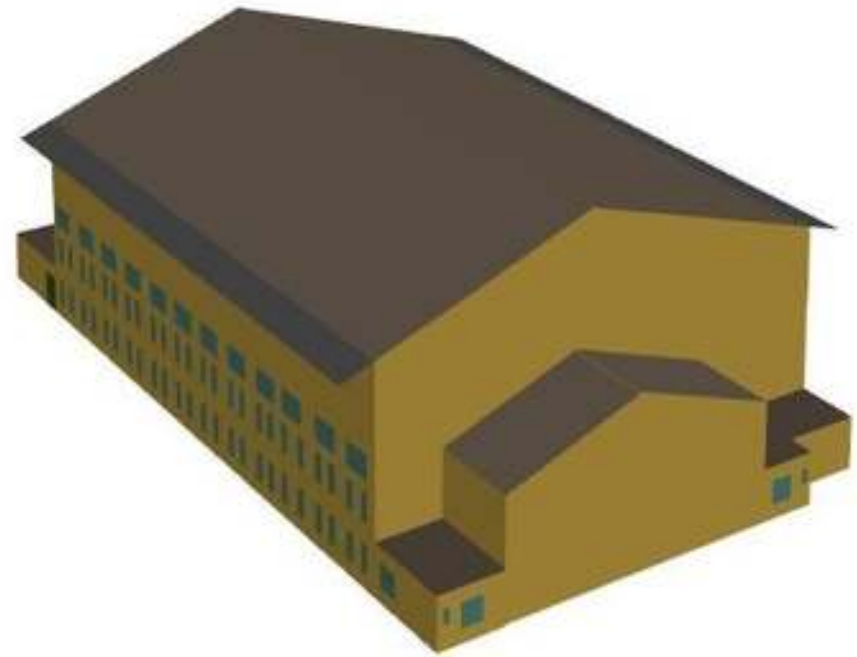
DESIGN MEP

DESIGN FOR CENTRAL UNIVERSITY SPORTS ARENA GAYA









DESIGN MEP

Our Clients

MEINHARDT

atelier ten

LANDMARK GROUP

Petra design
consulting architects, engineers

رؤية للتطوير العمراني
RU'ya for Building Development
ARCHITECT A.Z.A

وصيف
Waseef

الرّيل
RAIL
Accomplishing a Vision

DESIGN MEP

Our Clients....

SACOOR brothers

عبر الخليج Trans Gulf

sama PROPERTIES

UDC المتحدة للتنمية UNITED DEVELOPMENT CO.

Schools in Qatar

DESIGN MEP

jem

Our Clients....

JBT JV

InfraRoad

WSP

SNC·LAVALIN

ATKINS

dar

ena EHAF
CONSULTING ENGINEERS

DESIGN MEP

Birla Public School
مدرسة بيرلا الشعبية
ENLIGHTENMENT THROUGH EDUCATION

DPS-MONARCH INTERNATIONAL SCHOOL
KNOWLEDGE IS POWER

International School of London Qatar

Our Clients....

RETAJ
فندق الريان
AL RAYYAN HOTEL

NEXTONICA
DESIGNS & FITOUTS
DOHA

HBK
Contracting Company



SARAYA
CORNICHE HOTEL

DESIGN MEP