



Greenbulb Designs

M E P F C o n s u l t a n t

PORTFOLIO

Mechanical | Electrical | Plumbing | Fire-Fighting

WE WORK IN DIVERSE SECTORS

Cities are constantly changing
and so are we.

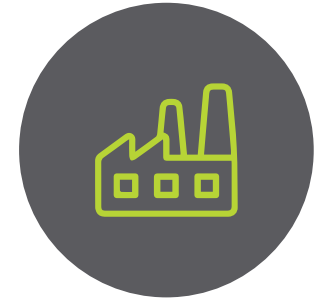
Our area of expertise in sectors
vary from commercial, hospitality,
industrial, religious/heritage,
educational, recreational/public
spaces, residential, healthcare
etc.



Commercial



Hospitality



Industrial



Healthcare



Educational



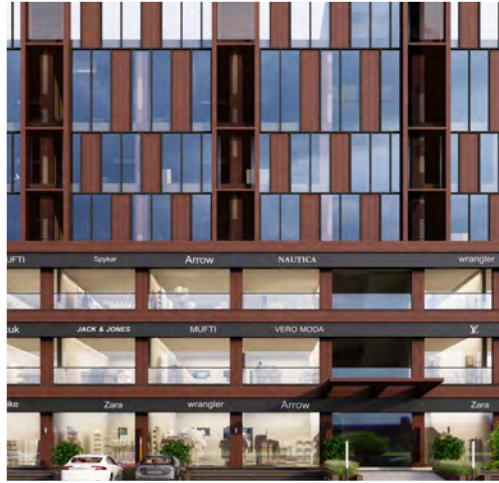
Recreational/
Public Space



Residential



Religious
Heritage



WE BELIEVE IN QUALITY

Greenbulb Designs is an MEPF (Mechanical, electrical, plumbing and fire-fighting) consulting firm based in Ahmedabad which provides innovative solutions in engineering services for all kinds of buildings and infrastructure projects.

We provide detailed comprehensive system design and solutions for routine and future life cycle of the development both in India and globally.

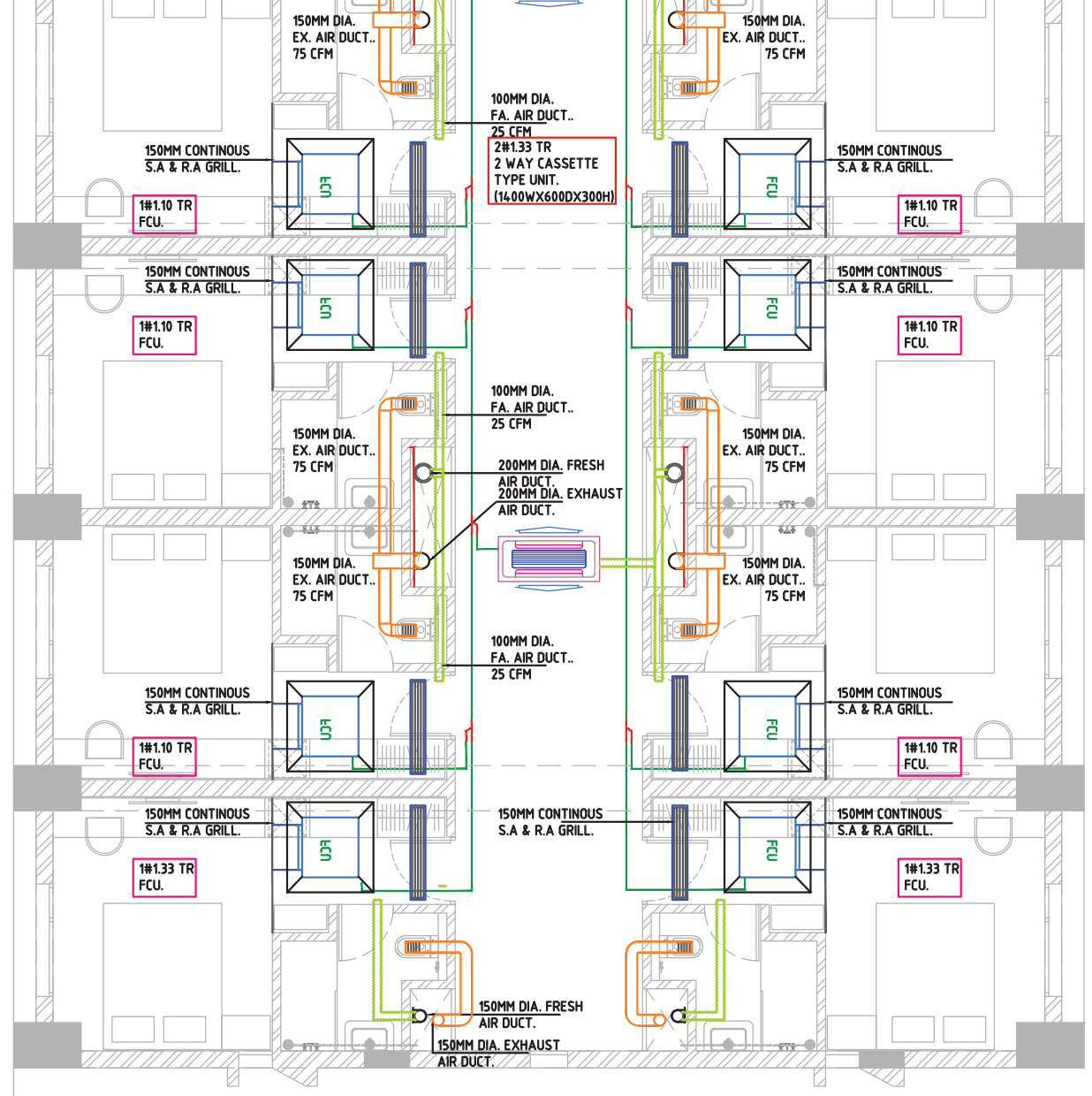
Our vision is to work effectively and efficiently in coordination with the client, architects, contractors and other agencies along with creating awareness about sustainability and environment preservation.

WE OFFER ALL SERVICES

MECHANICAL | ELECTRICAL | PLUMBING | FIRE-FIGHTING

MECHANICAL (HVAC)

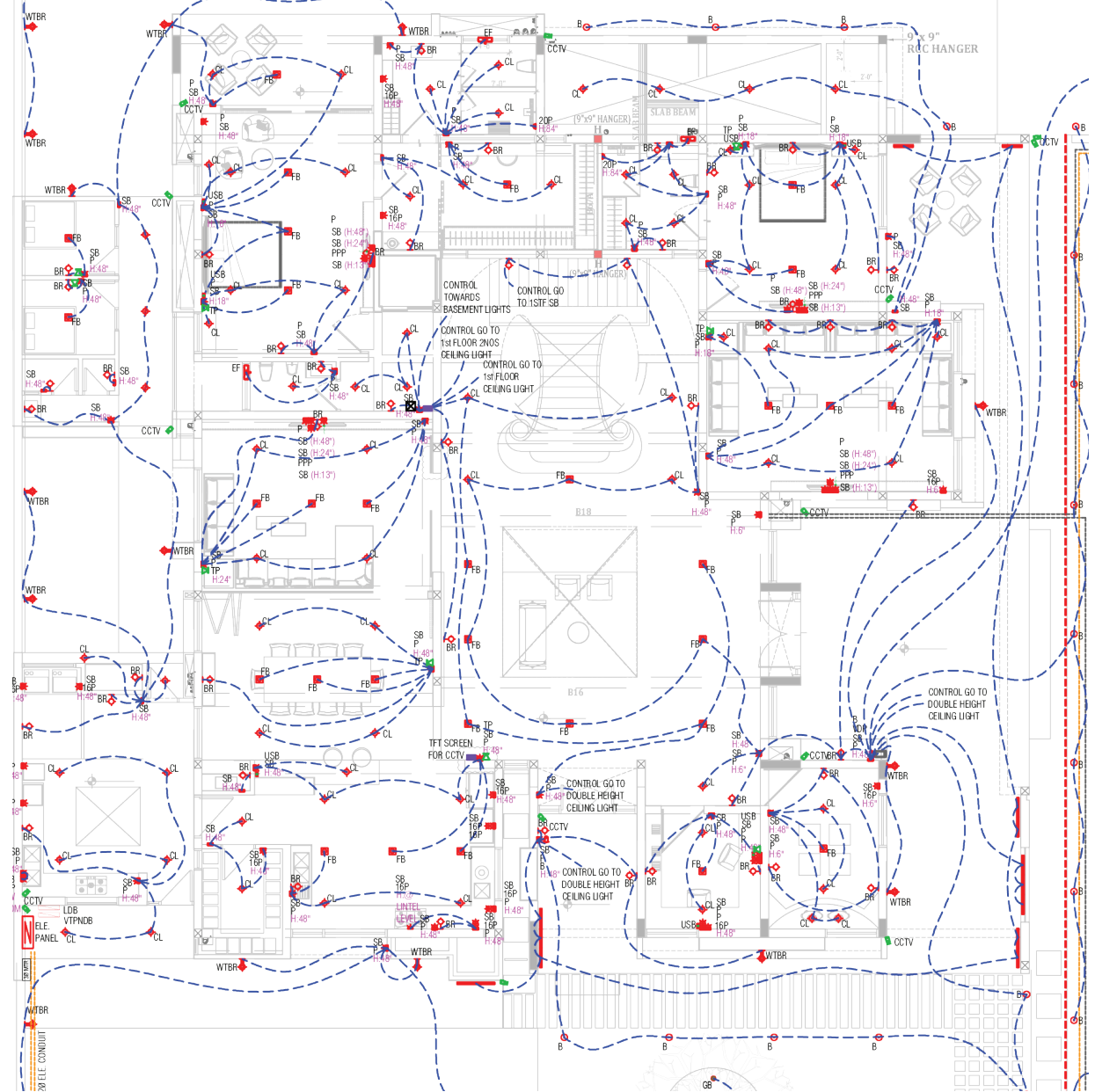
- Conceptual Plan
- Heat load & ventilation calculations
- Detailed design layouts including plans, sections, elevations
- Schematic diagrams
- Measurement sheets
- Bill of quantities
- Equipment specifications
- Technical specifications
- Typical details
- Periodic Supervision
- Contractor's bill checking
- Peer view service



Fresh Air System | Smoke Exhaust System | Individual Split/ VRF System | Central Ductable System
Chiller/Cooling Tower System | Refrigeration System | Industrial Piping System for Process, Air, Gas & Utility | BIM Services

ELECTRICAL (HV/LV/ELV)

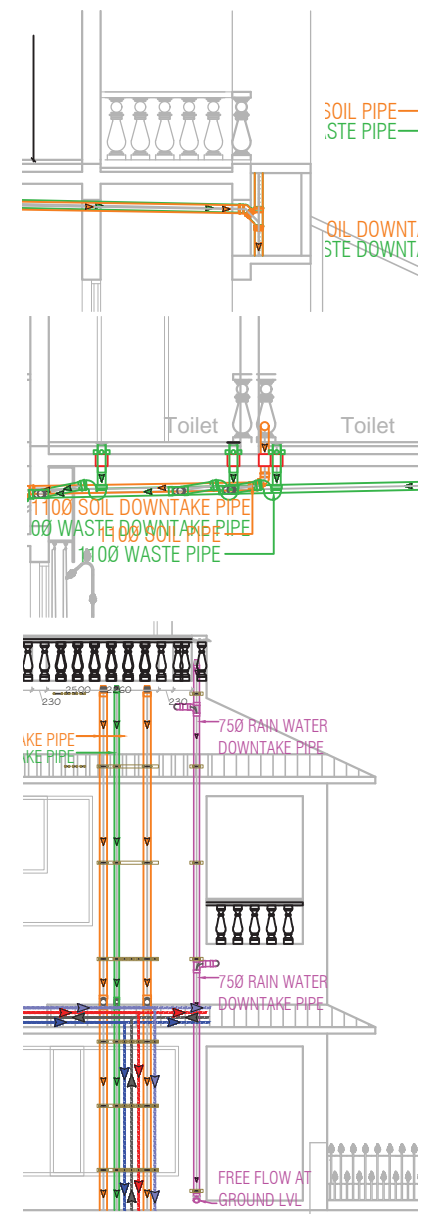
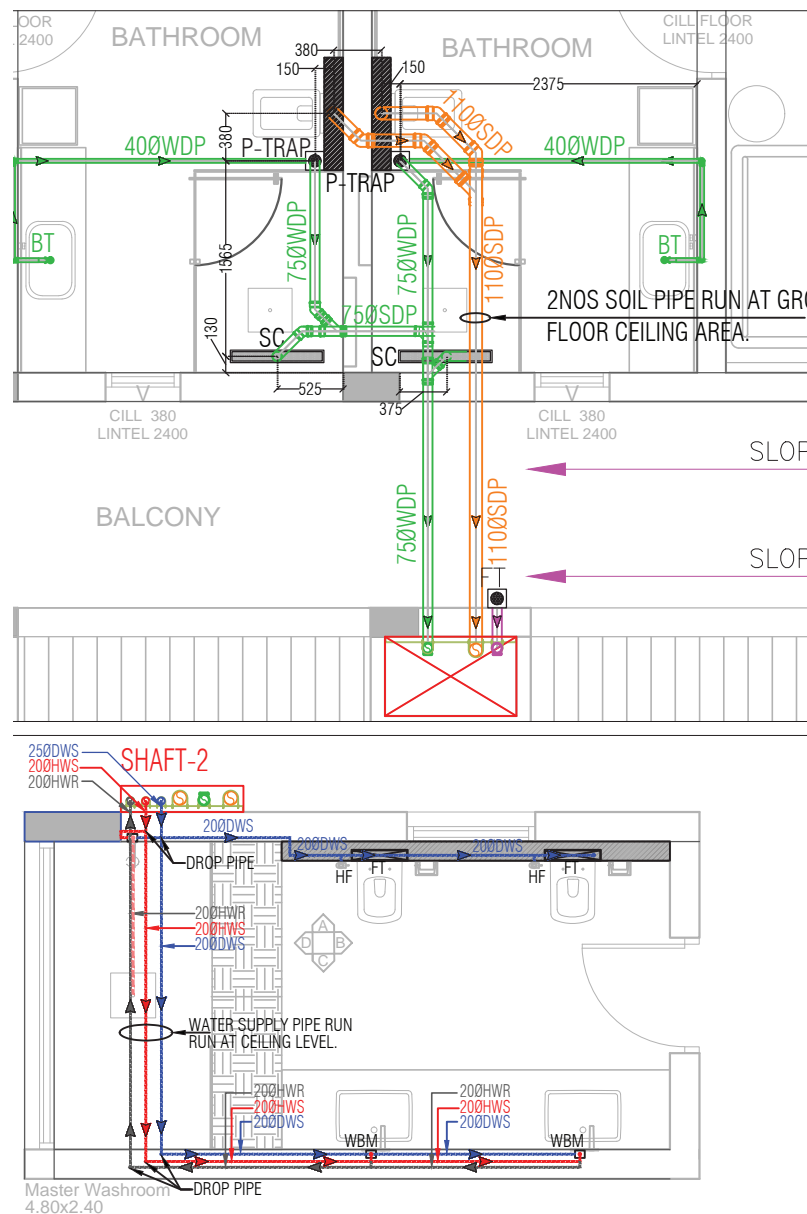
- Conceptual Design
- Load sheet
- Detailed design layout including plans, sections, elevations:
- Measurement sheet
- Schematic Layout
- Single line diagram
- Bill of quantities
- Technical specification
- Earthing detail
- Panel Inspection
- Typical details
- Periodic Supervision
- Contractor's bill checking
- Peer view service



Sub-station Design | Power Distribution | Load Calculation & Equipment Sizing | Panel Design | Power Cable Network | Telephone & EPABX | Television Network | Audio/Video System | Wifi & Data Network System | Access Control System | Public Address System | CCTV Network | Intrusion Alarm System | Fire Alarm System | Emergency Exit Route Design | Building Management System

PLUMBING

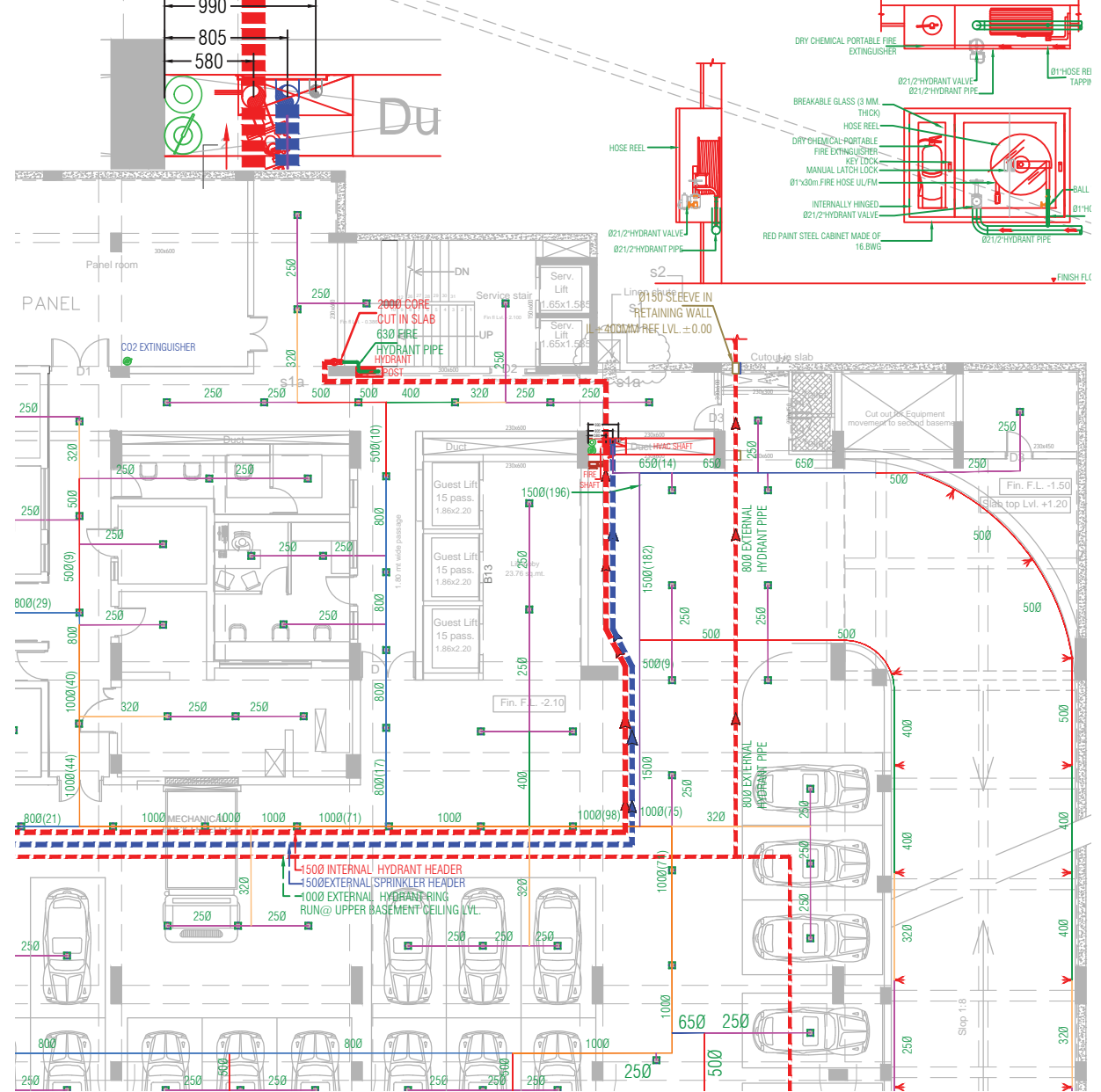
- Conceptual design
- Water demand sheet
- Detailed design layout including plans, elevations, sections:
- Measurement sheets
- Calculations
- Schematic layout
- Bill of quantities
- Technical specifications
- Equipment specifications
- Water & waste water treatment
- Typical details
- Periodic Supervision
- Contractor's bill checking
- Peer view service



Cold Water Supply | Hot Water Supply | Flushing Water Supply | Grey Water Disposal | Black Water Disposal | Domestic Water Treatment | Industrial Water Treatment | Storm Water Drain Network | Rain water Harvesting

FIRE-FIGHTING

- Conceptual design
- Calculations
- Detailed design including plans, elevations, sections:
- Measurement sheet
- Schematic layout
- Bill of quantities
- Technical & item specifications
- Typical details
- Periodic Supervision
- Contractor's bill checking
- Peer view service



Fire Sprinkler System | Wet Riser System | External Fire Hydrant System

UNIQUE SELLING POINT (USP)

- Effective and innovative solution approach for economic, efficient and sustainable system design
- Periodic supervision to endure the quality of work executed on-site
- Effective communication between consultants and agencies
- Timely delivery for scheduled execution of projects
- Detailed designs for better understanding for clients and contractors
- Application of national and international codes & standards for building infrastructures and industries
- Calculations to support designs and layouts

Professional Membership

IGBC	- Indian Green Building Council
ISHRAE	- Indian Society of Heating, Refrigerating & Airconditioning Engineers
IEEE	- Institute of Electrical & Electronics Engineers
GCCI	- Gujarat Chambers of Commerce & Industry
BNI	- Business Networking International



VAST EXPERIENCE 125+ Projects

28 Residential schemes
22 Commercials
17 Individual Houses
17 Public Spaces
12 Government Housing
12 Industrial projects
07 Hospitality projects
04 Health & Wellness
02 Educational



Project Locations

Ahmedabad | Mahesana | Gandhinagar | Surendranagar | Rajkot | Jamnagar | Junagarh | Dholera |
Bharuch | Diu | Daman | Karjat | Chennai | Bandhavgarh | Udaipur | Bhilwara | Jodhpur

■ TEAM

Chintan Prajapati
Principal Designer (MEPF)

Jenish Pandya
Electrical Engineer

Jay Oza
Mechanical Engineer

Niraj Patel
Electrical Engineer

Nirmal Patel
Electrical Technician

Shankar Vaghela
Plumbing Technician

Rushi Dave
Accounts Manager

Yogesh Chauhan
Administrator

Satish Desai
Administrator

■ ASSOCIATE CONSULTANTS

The Qi Collab & Studio 12
Diagrid Structural Consultants
Rathi Consortium
JK Projects



■ STANDARDS WE FOLLOW

local By-Laws

NBC (National Building Code of India)

ECBC (Energy Conservation Building Codes)

IEEE (Institute of Electrical & Electronic Engineers) Design Hand Book

IESN (Illuminating Engineering Society of North America) Design Hand Book

Indian Electric Code

IEC (International Electrotechnical Commission)

IS (Indian Standards)

BS (British Standards)

BIS (Bureau of Indian Standards)

NEC (National Electric Code of India)

NFC (National Fire Codes)

NFPA (National Fire Protection Association)

LEED IGBC NC/CS version 1.0 (only for Green Building)

ASPE (American Society of Plumbing Engineers- Design Data Book, Volume 1 to 4

IPE (Institute of Plumbing Engineers, UK) Design Data Book

IPC (International Plumbing Code)

Uniform Plumbing Code of India

ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers) Handbook

SMACNA (Sheet Metal Contractors National Association) Standards

Consultation with local Chief Fire & Electrical Officer.

PROJECTS AT A GLANCE

MECHANICAL | ELECTRICAL | PLUMBING | FIRE-FIGHTING





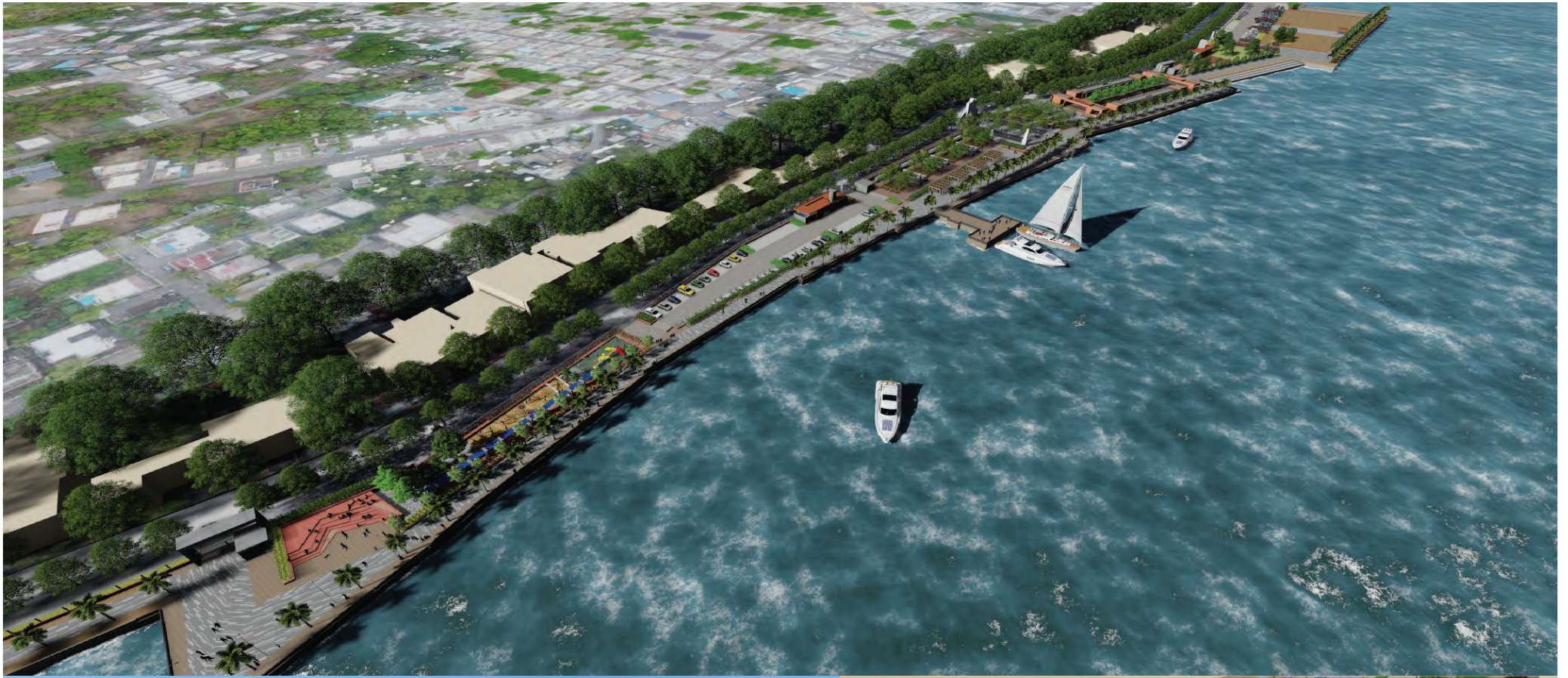










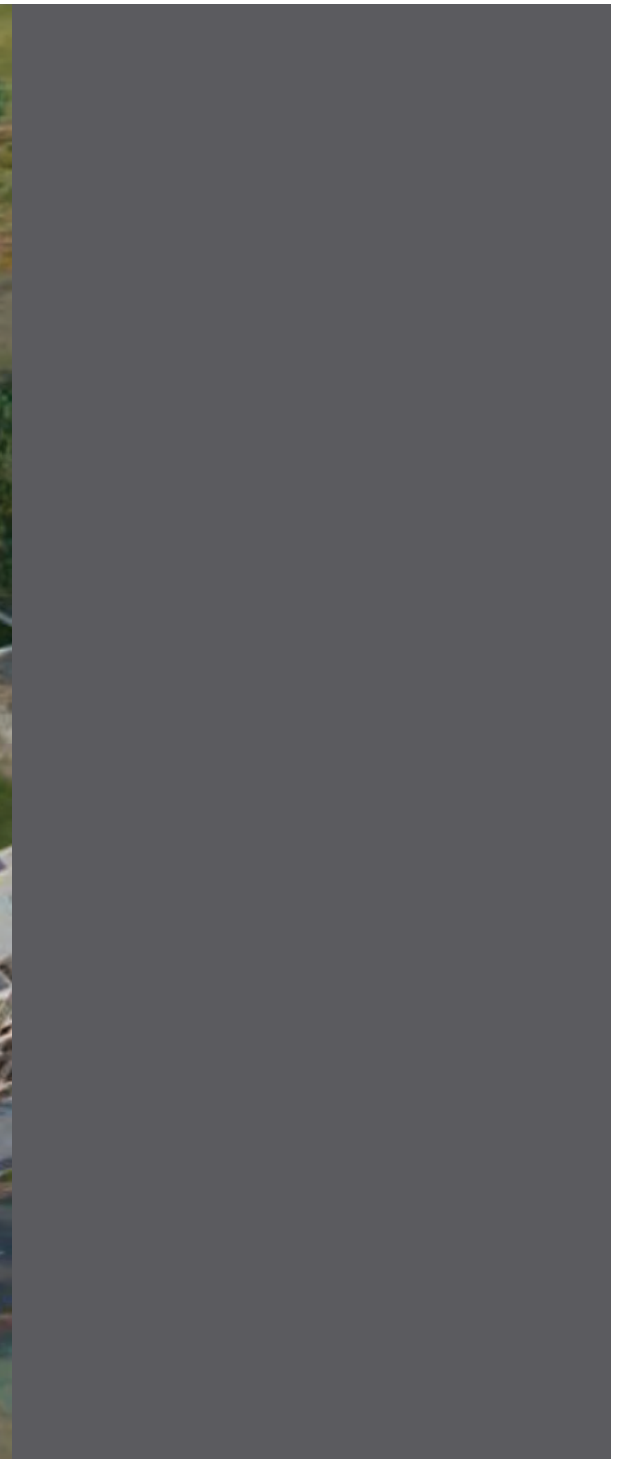












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