



KULDEEP RATHOUR

PORTFOLIO

Structure Engineer

Summary-

- Seeking a Challenging and Development Oriented career within a dynamic and progressive organization where dedication and the ability to manage tasks effectively are the pre-requisite in driving the organization forward.

Education-

B.Tech (Civil Engineering)

R. R. Group of Institution (2015-2019)

Intermediate (2014)

Anandi Devi S. V. M. Inter college, Sitapur, 261001.

Highschool (2011)

Anandi Devi S. V. M. Inter college, Sitapur, 261001.

Software Skills-

- ETABS
- AutoCAD
- STAAD-PRO CONNECT EDITION
- RCDC CONNECT EDITION
- MS OFFICE (Word, Excel, Powerpoint)

Analogue Skills-

- Basic Manual Design
- Communication
- Organizational Skills
- Team Leader

01.



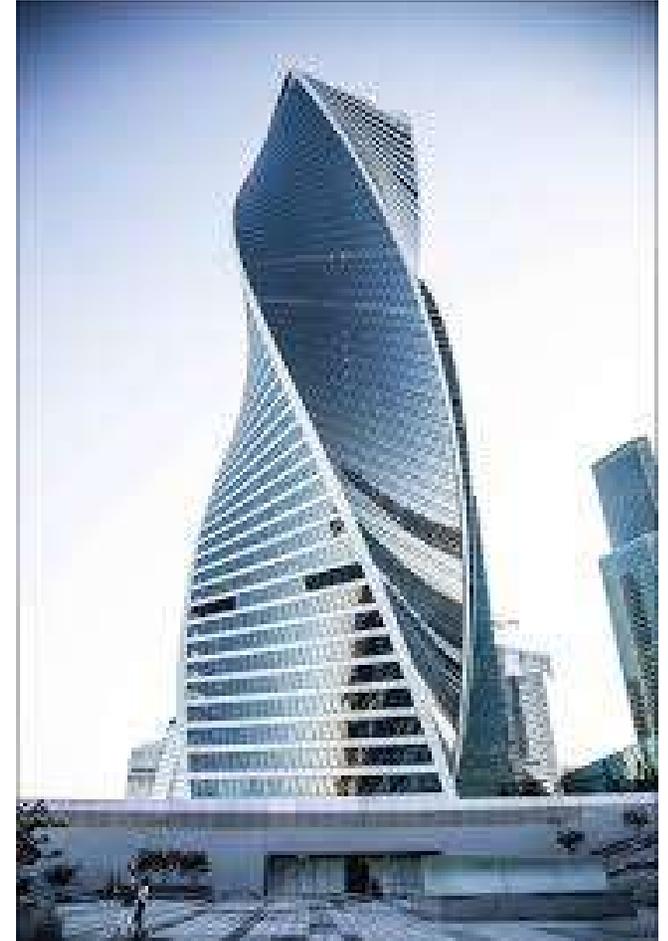
Residential

02.



Commercial

03.

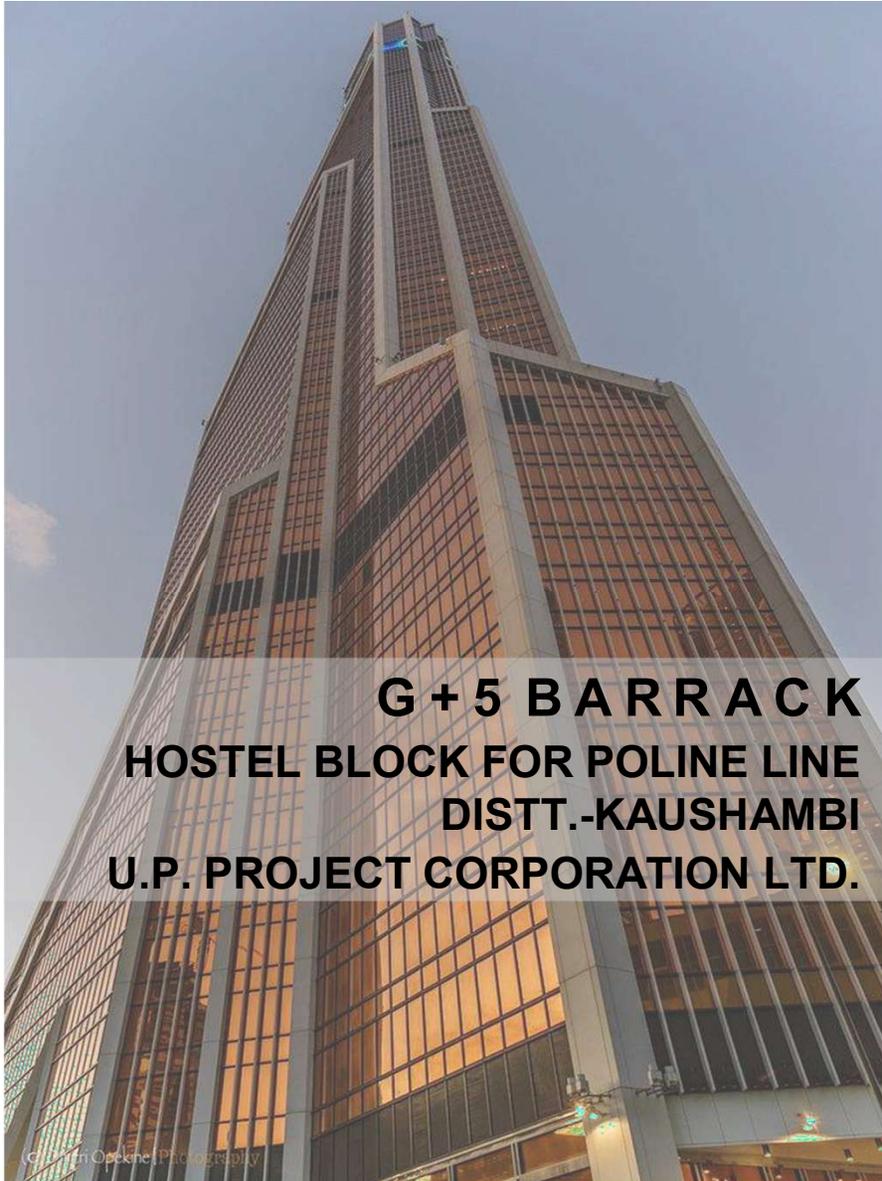


Institutional

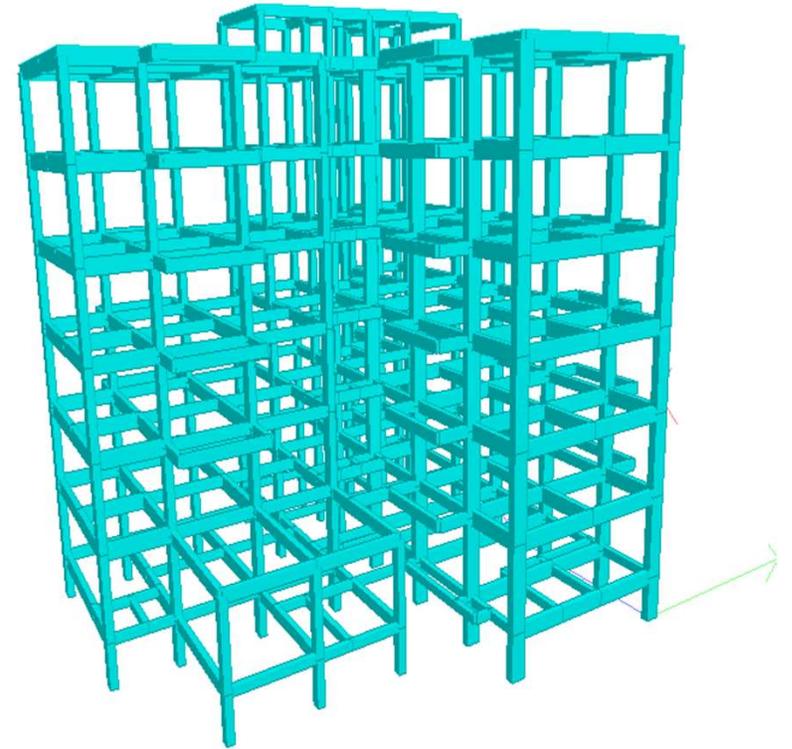
01

RESIDENTIAL BUILDINGS





**G + 5 BARRACK
HOSTEL BLOCK FOR POLINE LINE
DISTT.-KAUSHAMBI
U.P. PROJECT CORPORATION LTD.**



3D Rendered View

LOADS CONSIDERED-

Dead Load, Live Load, Seismic Load (Static and Dynamic)

ANALYSIS PERFORMED-

FEM, Modal, Response Spectrum

CHECKS PERFORMED-

Displacement, Torsional Irregularity, Soft Storey

DESIGN AND DETAILING-

*IS-456:2000, IS-875-Part-I,II&III,
IS-1893-Part-II:2016, IS-13920:2016,*

FOUNDATION DESIGN-

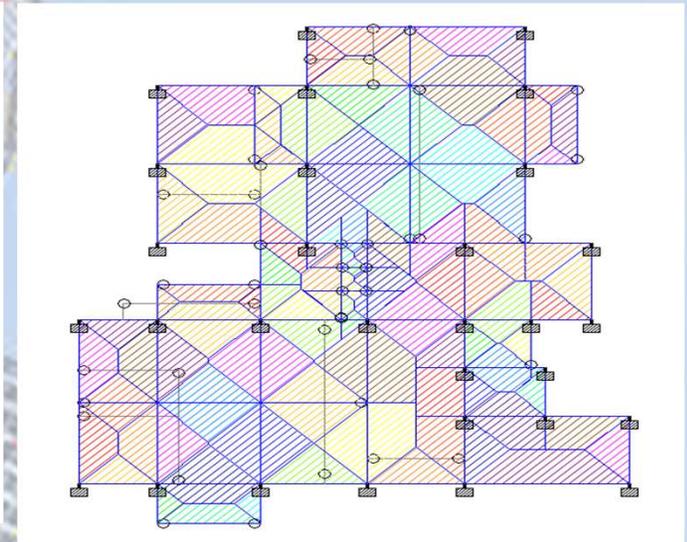
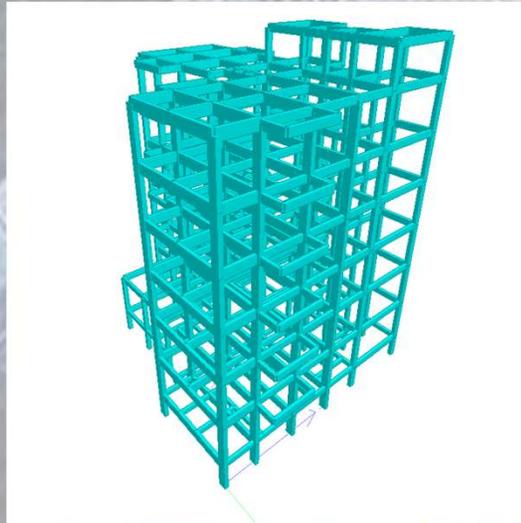
*SBC- 282.4 kN/m²
Type- Pile Foundation*

CHECKS PERFORMED-

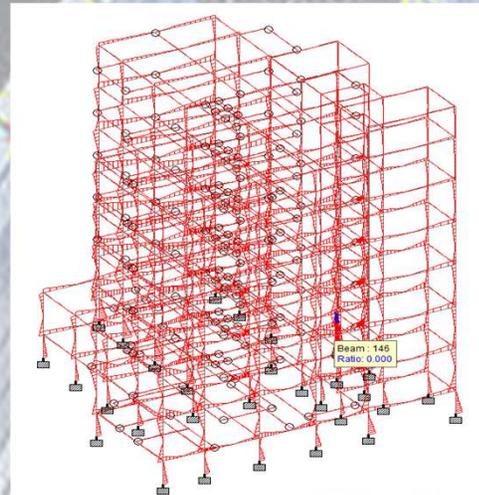
Bearing, Settlement, Crack Width

SOFTWARES USED-

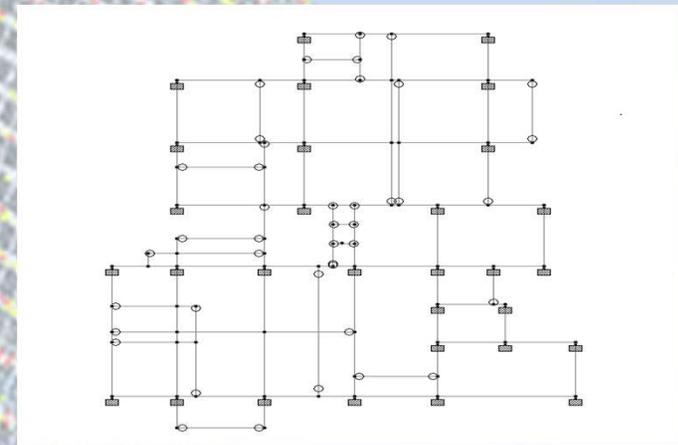
STAAD PRO, EXCEL and AutoCAD



Typical Floor Plan View

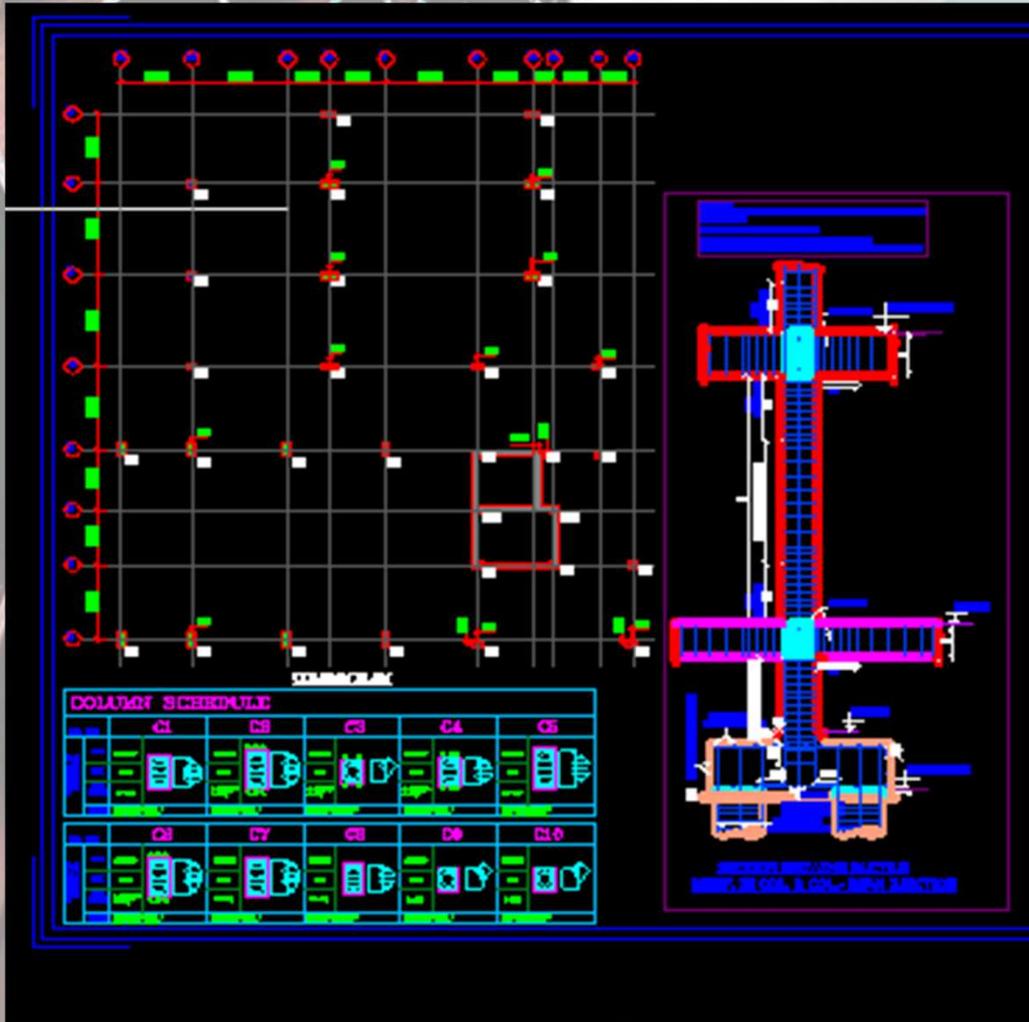


Deformed Shape

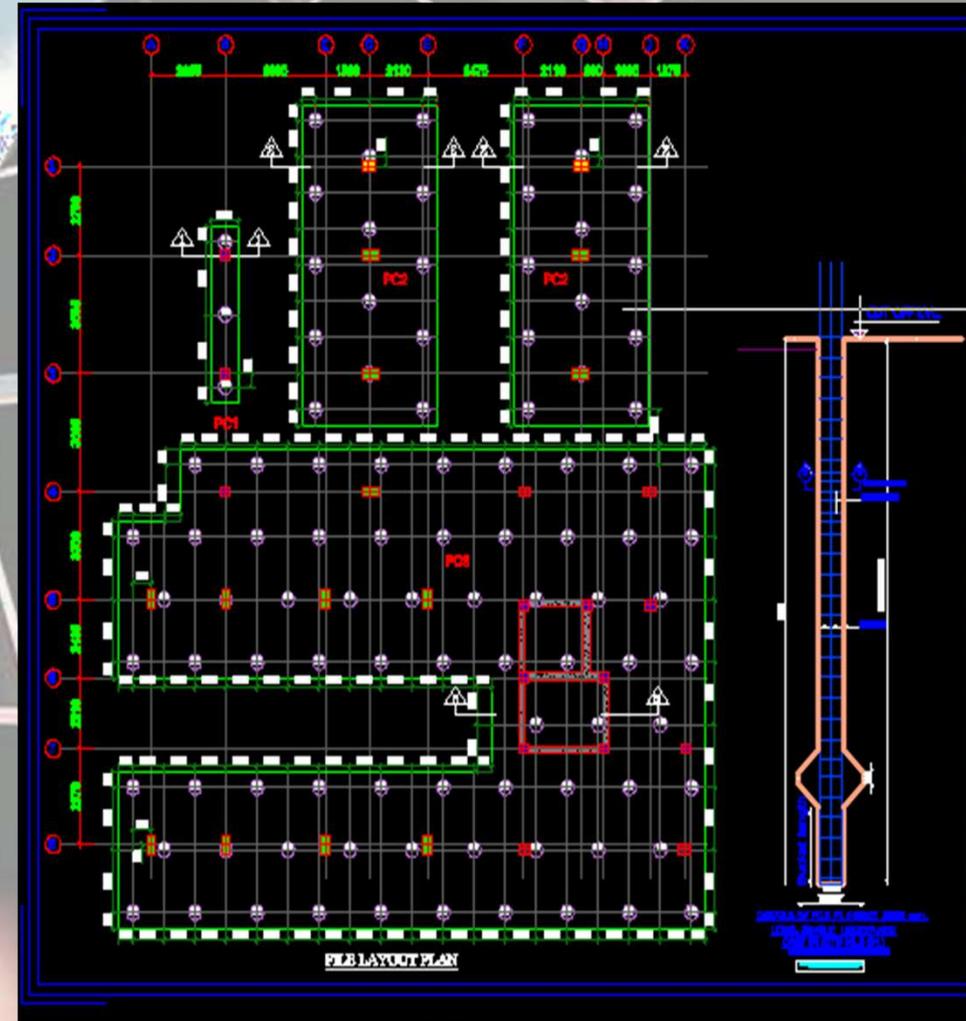


Plan

SUBMITTED DRAWING SHEETS OF G+5 BARRACK

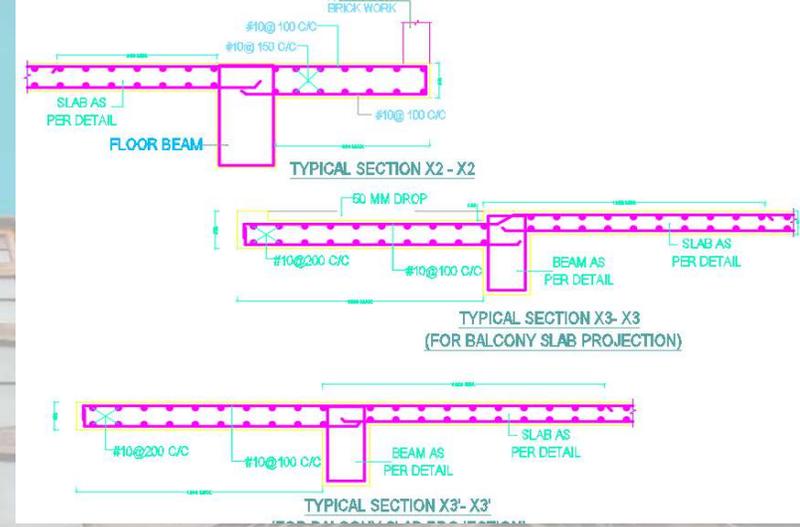
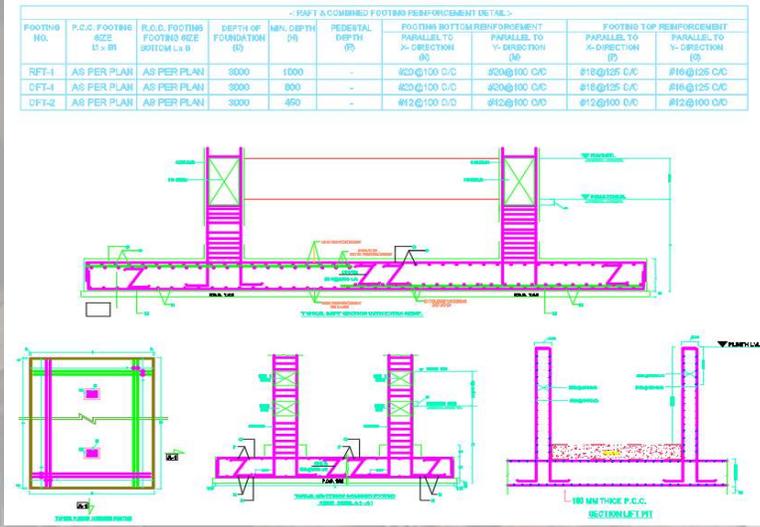
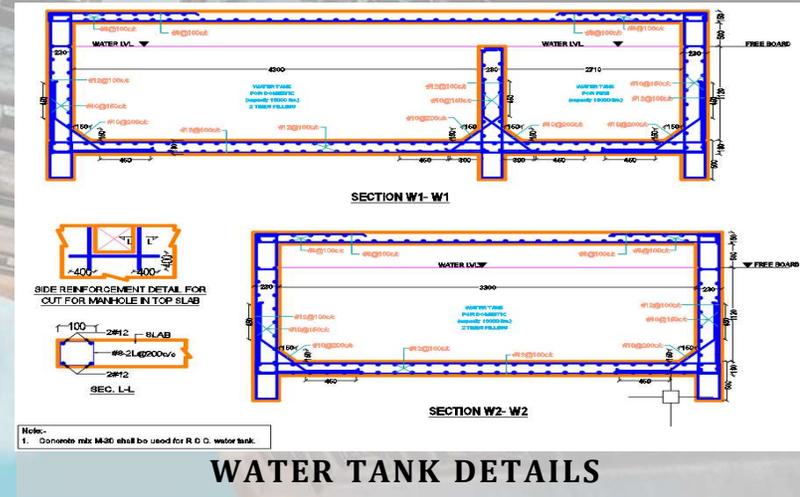
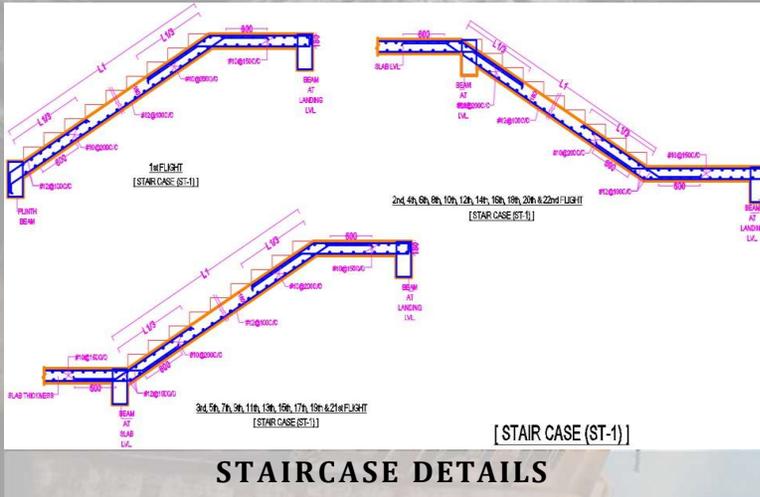


COLUMN LAYOUT DETAILS



FOUNDATION LAYOUT DETAILS

SUBMITTED DRAWING SHEETS OF G+5 BARRACK

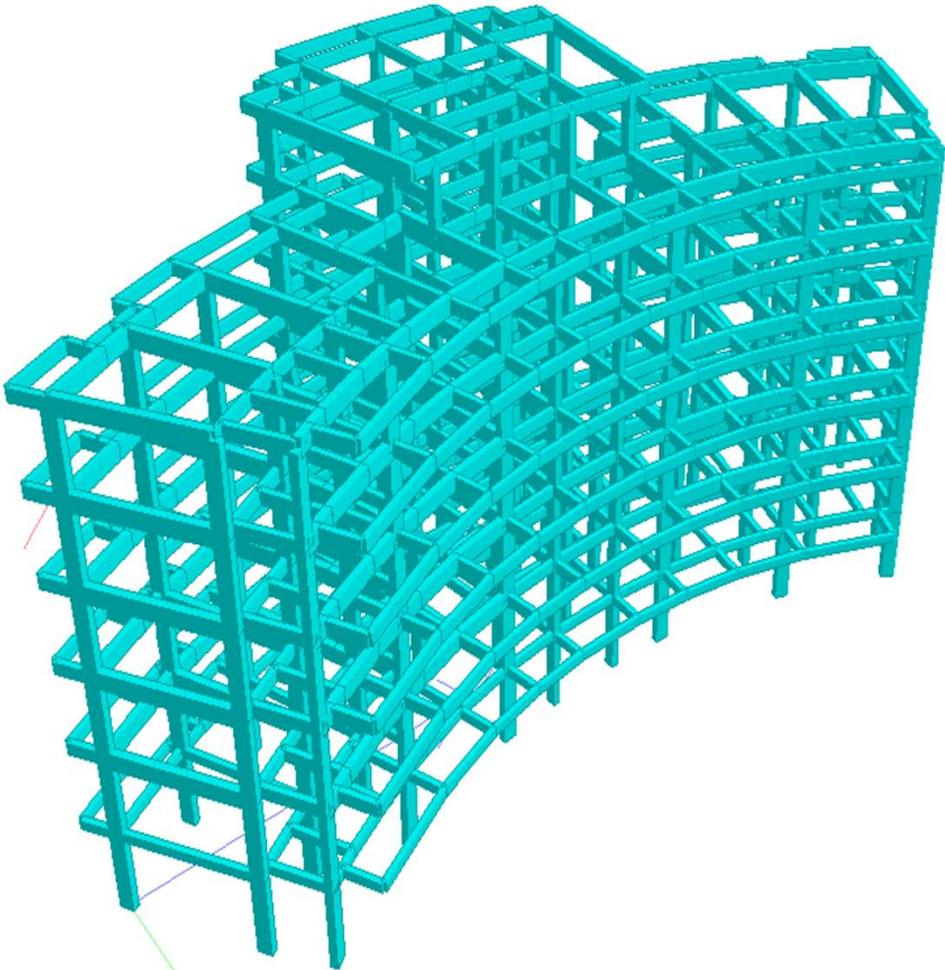


FOOTING TYPICAL SECTION DETAILS

TYPICAL SECTION DETAILS



**B+G+4 APARTMENT BUILDING
PRIVATE CONSTRUCTION
LUCKNOW**



3D Rendered View

LOADS CONSIDERED-

Dead Load, Live Load, Seismic Load (Static and Dynamic), Wind Load (Static)

ANALYSIS PERFORMED-

FEM, Modal, Response Spectrum

CHECKS PERFORMED-

Displacement, Torsional Irregularity, Soft Storey

DESIGN AND DETAILING-

*IS-456:2000, IS-875-Part-I,II&III,
IS-1893-Part-II:2016, IS-13920:2016,*

FOUNDATION DESIGN-

SBC- 125 kN/m²

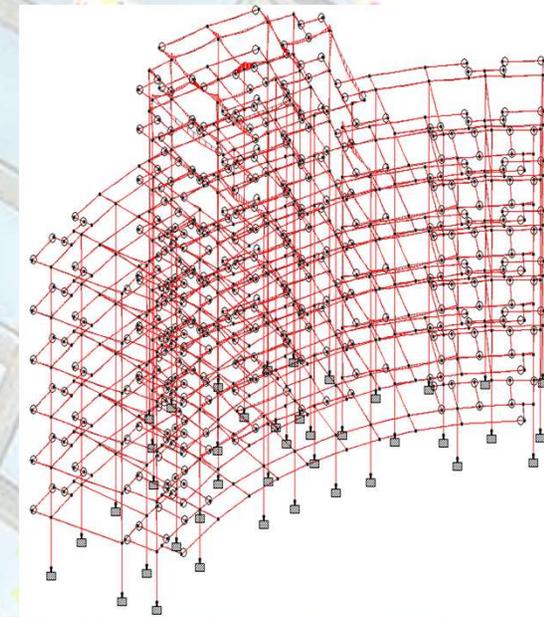
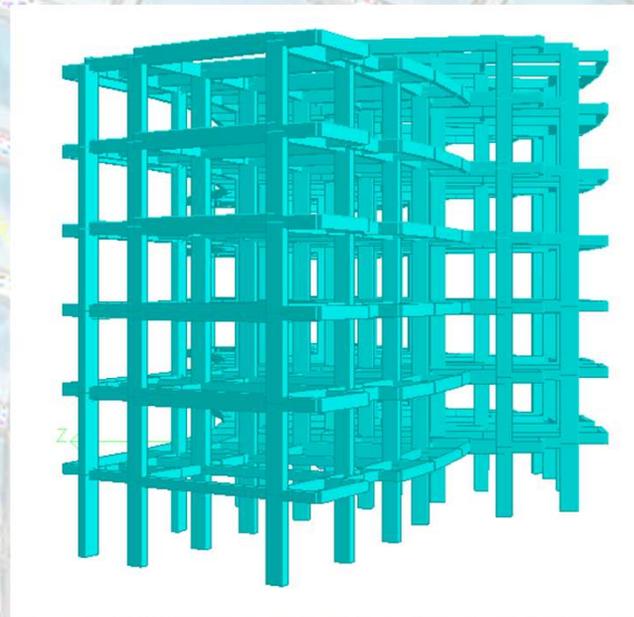
Type- Matt Foundation

CHECKS PERFORMED-

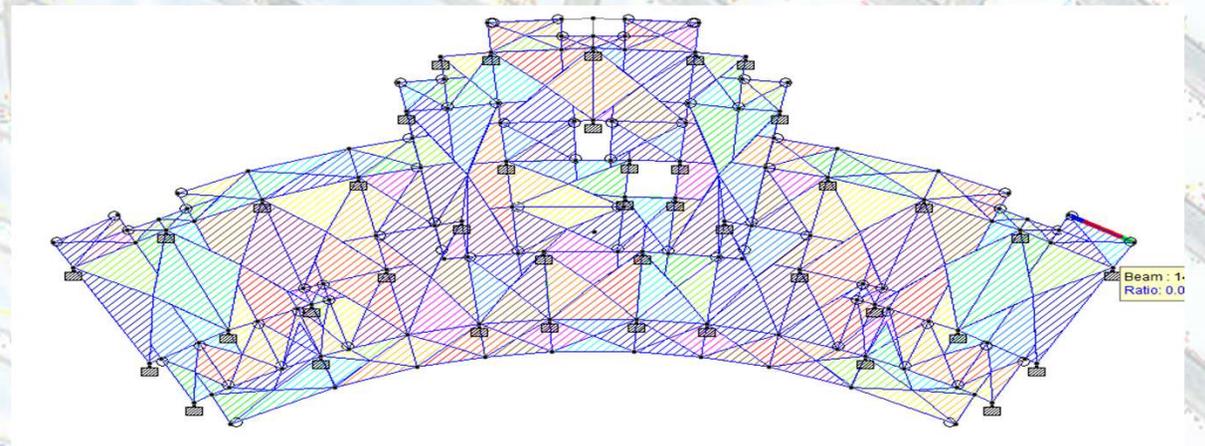
Bearing, Settlement, Crack Width

SOFTWARES USED-

STAAD PRO, EXCEL and AutoCAD



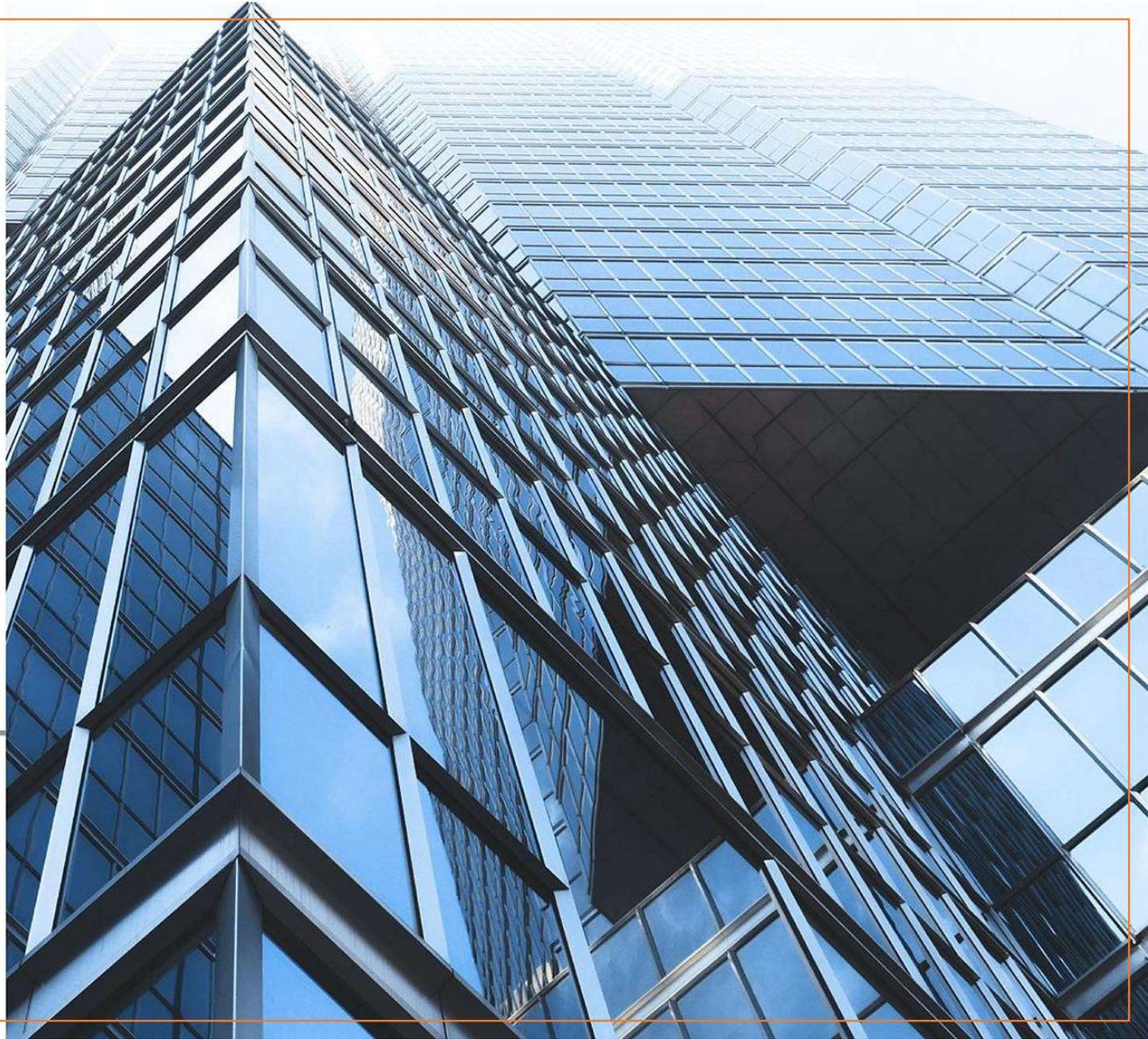
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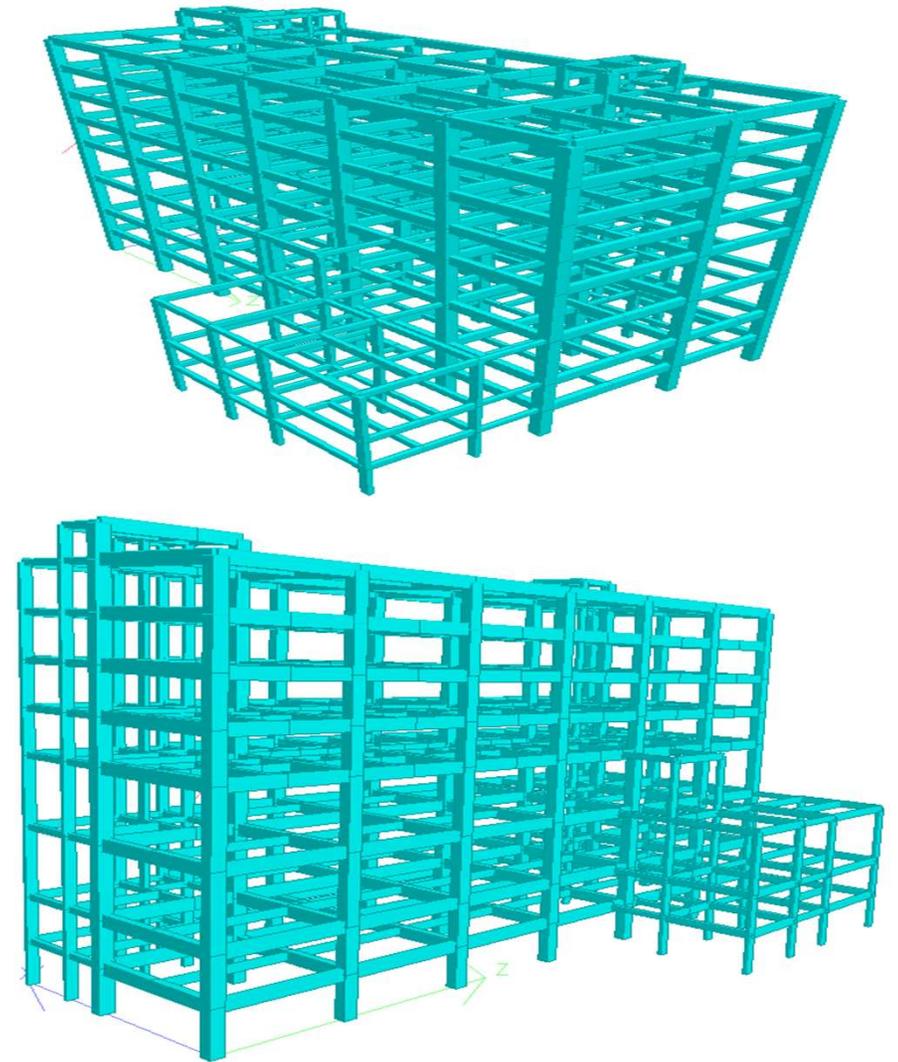
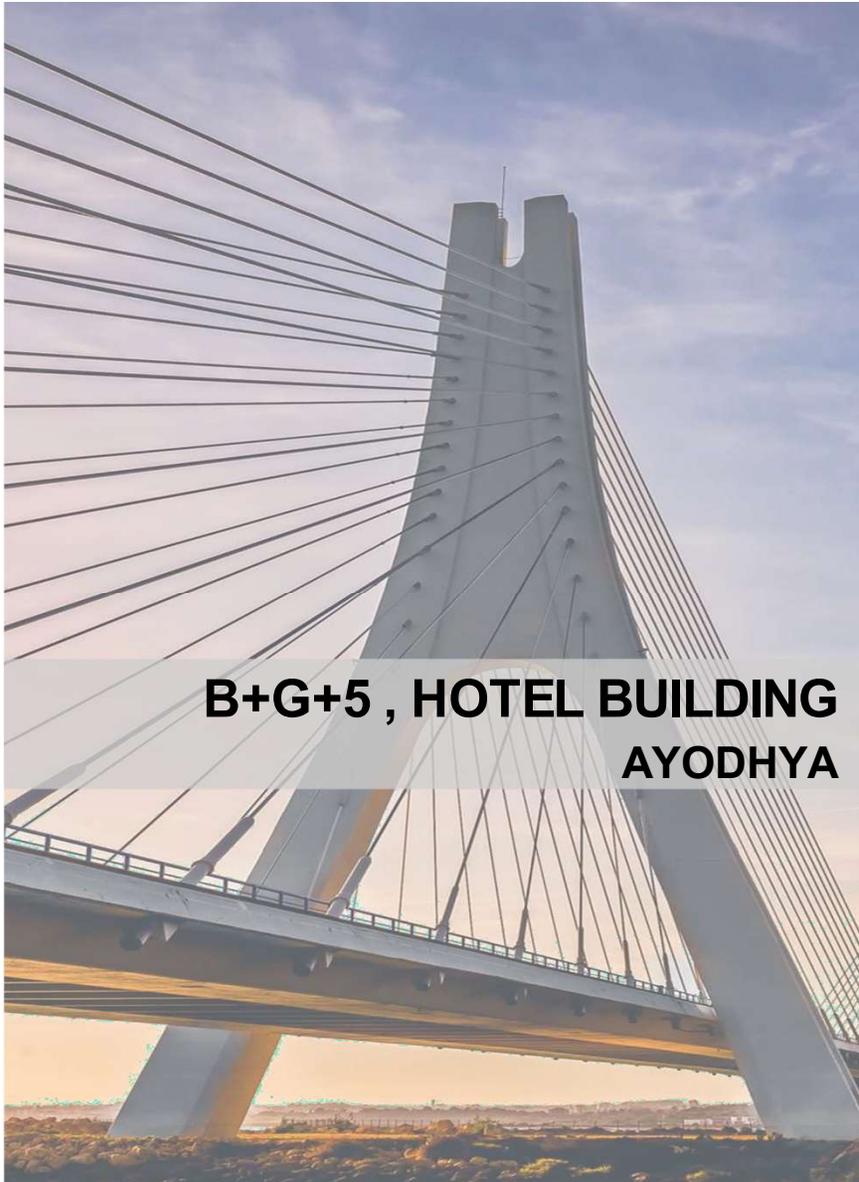


Floor Plan View

02

COMMERCIAL BUILDINGS





3D Rendered View

LOADS CONSIDERED-

Dead Load, Live Load, Seismic Load (Static and Dynamic), Wind Load (Static)

ANALYSIS PERFORMED-

FEM, Modal, Response Spectrum

CHECKS PERFORMED-

Displacement, Torsional Irregularity, Soft Storey

DESIGN AND DETAILING-

*IS-456:2000, IS-875-Part-I,II&III,
IS-1893-Part-II:2016, IS-13920:2016,*

FOUNDATION DESIGN-

SBC- 164.3 kN/m²

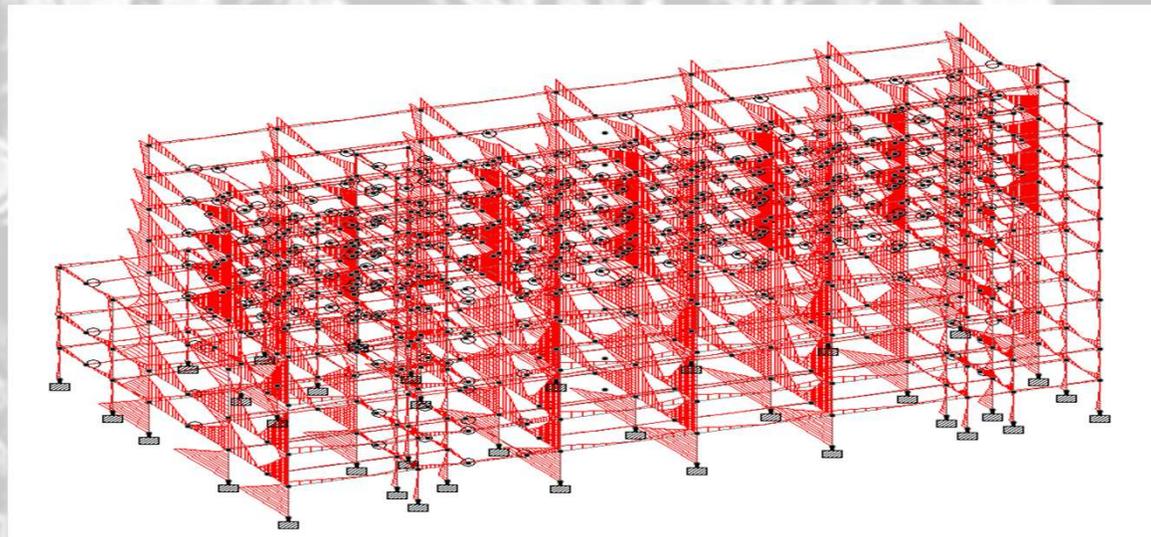
Type- Combined and Matt Foundation

CHECKS PERFORMED-

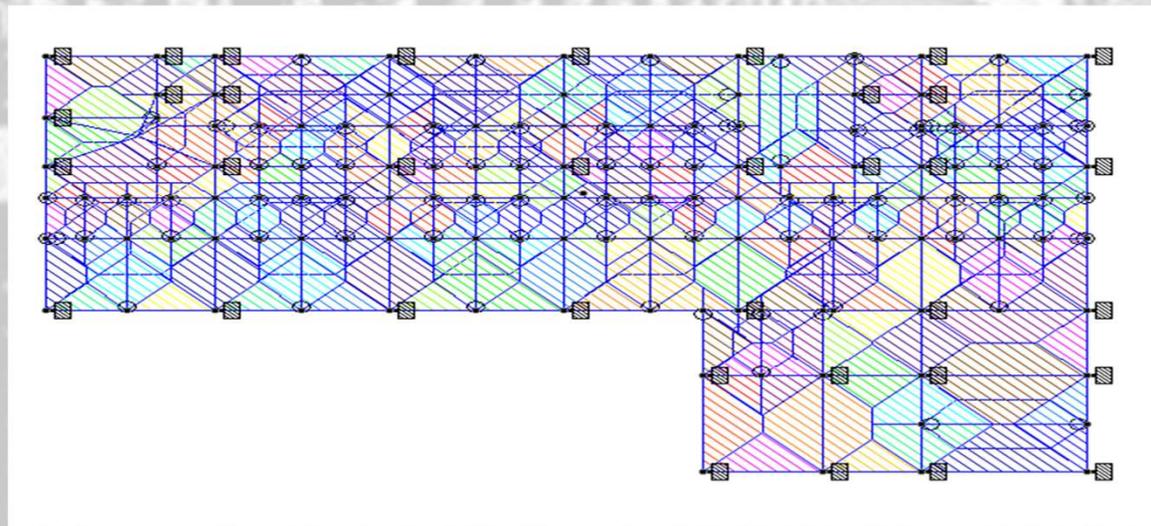
Bearing, Settlement, Crack Width

SOFTWARES USED-

STAAD PRO, EXCEL and AutoCAD



Deformed Shape

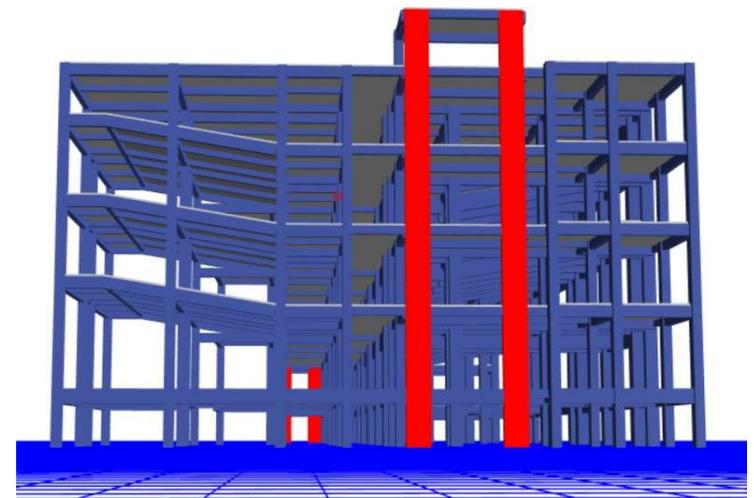
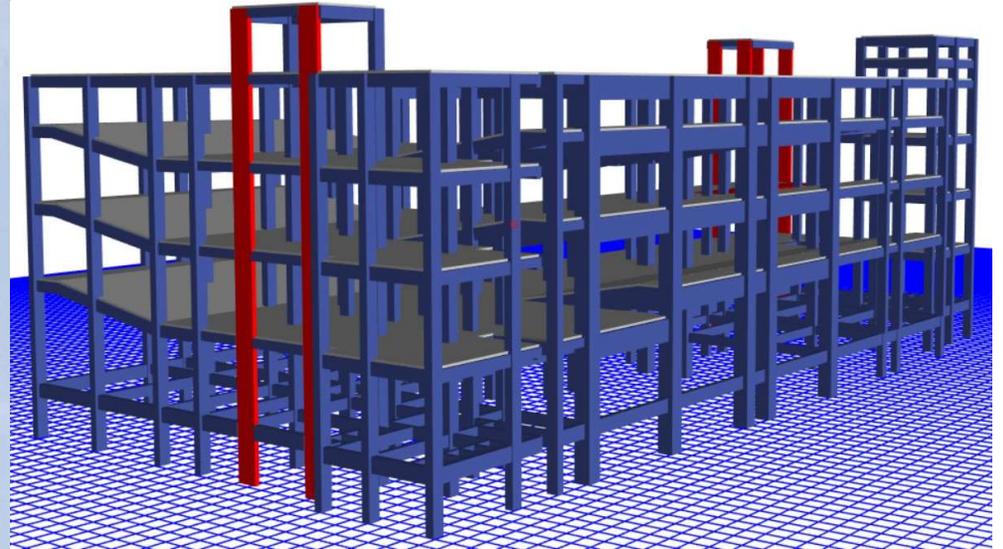


Typical Floor Plan View

03

INSTITUTIONAL BUILDINGS





3D Rendered View

LOADS CONSIDERED-

Dead Load, Live Load, Seismic Load (Static and Dynamic), Wind Load (Static)

ANALYSIS PERFORMED-

FEM, Modal, Response Spectrum

CHECKS PERFORMED-

Storey Drift, Displacement, Torsional Irregularity, Soft Storey

DESIGN AND DETAILING-

*IS-456:2000, IS-875-Part-I,II&III,
IS-1893-Part-II:2016, IS-13920:2016,*

FOUNDATION DESIGN-

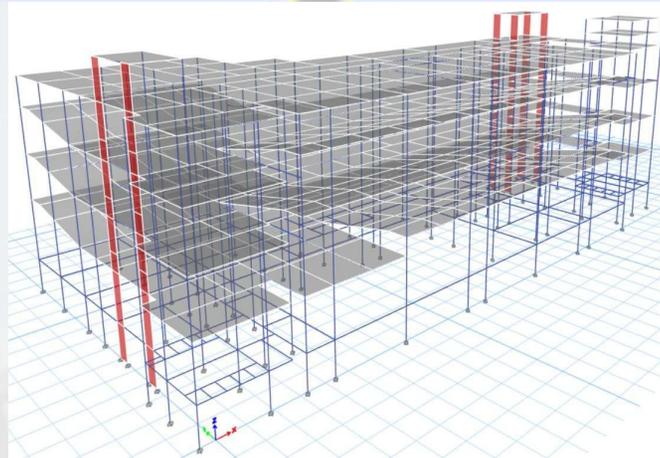
*SBC- 156.2 kN/m²
Type- Raft Foundation*

CHECKS PERFORMED-

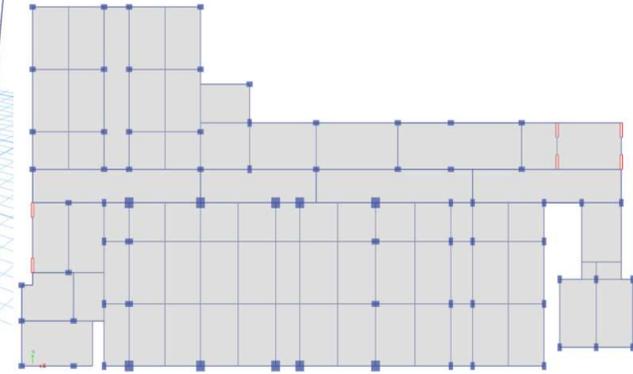
Bearing, Settlement, Punching Shear, Crack Width

SOFTWARES USED-

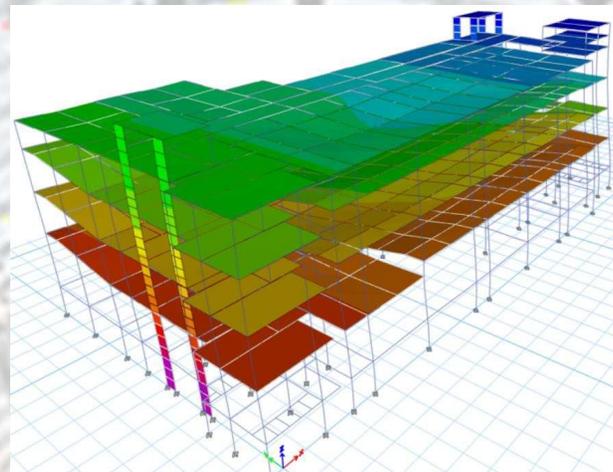
ETABS, SAFE and AutoCAD



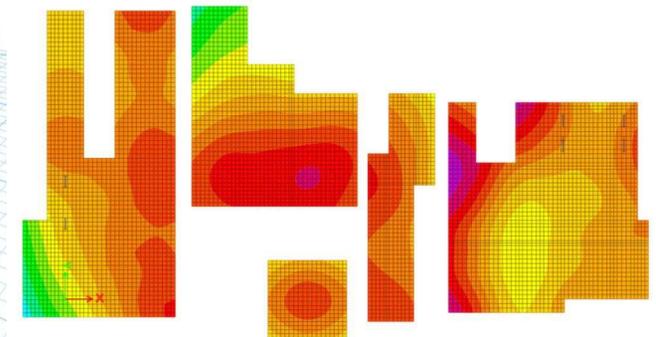
3D View



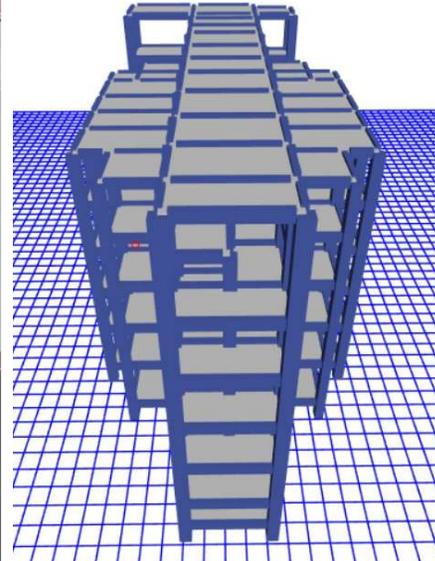
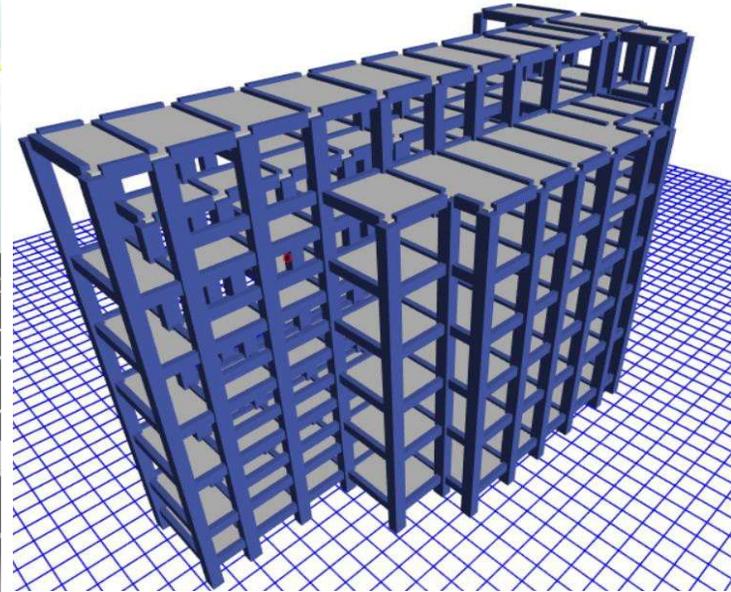
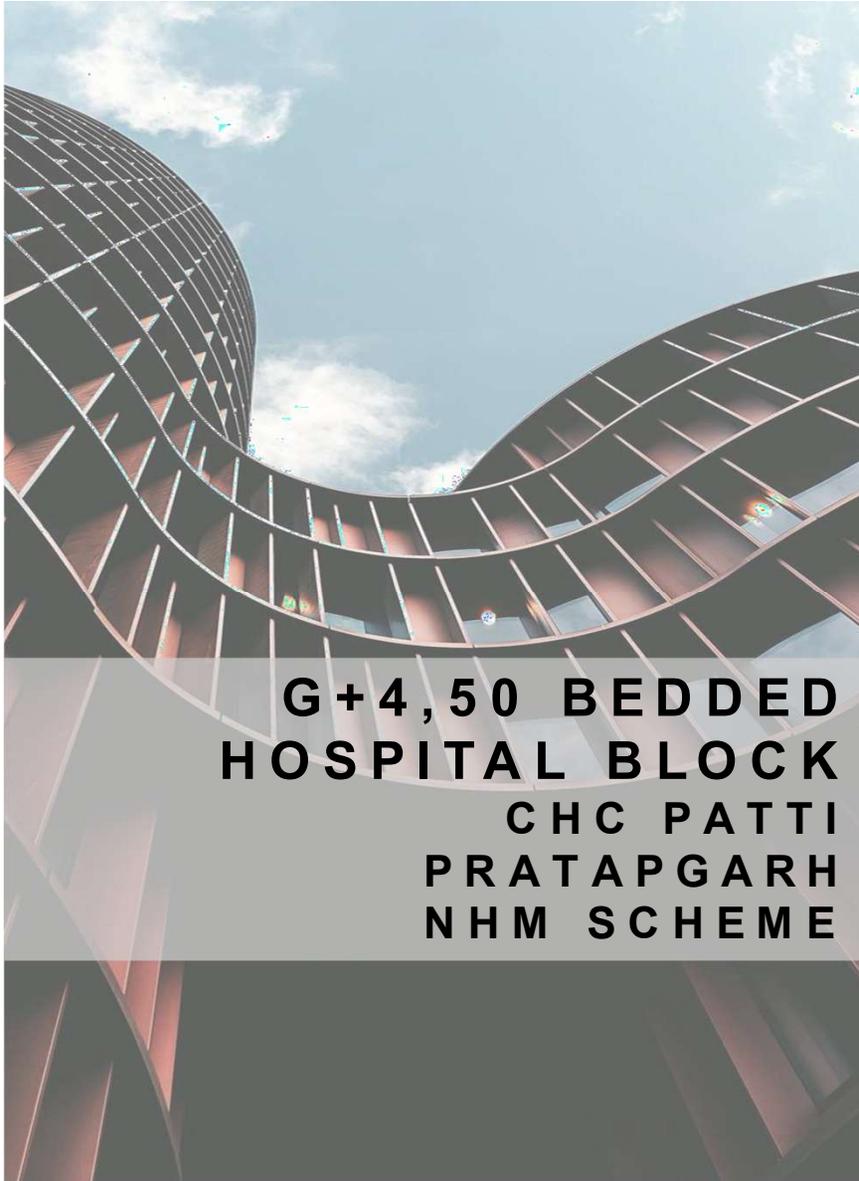
Typical Floor Plan View



3D Deformed Shape



Foundation Plan



3D Rendered View

LOADS CONSIDERED-

Dead Load, Live Load, Seismic Load (Static and Dynamic), Wind Load (Static)

ANALYSIS PERFORMED-

FEM, Modal, Response Spectrum

CHECKS PERFORMED-

Storey Drift, Displacement, Torsional Irregularity, Soft Storey

DESIGN AND DETAILING-

IS-456:2000, IS-875-Part-I,II&III, IS-1893-Part-II:2016, IS-13920:2016,

FOUNDATION DESIGN-

SBC- 142.5 kN/m²

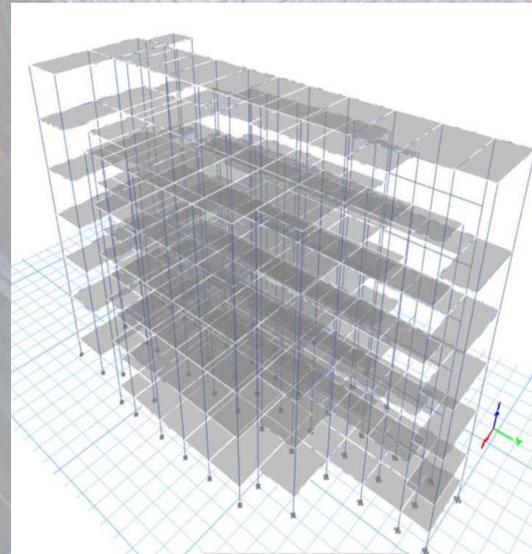
Type- Pile Foundation

CHECKS PERFORMED-

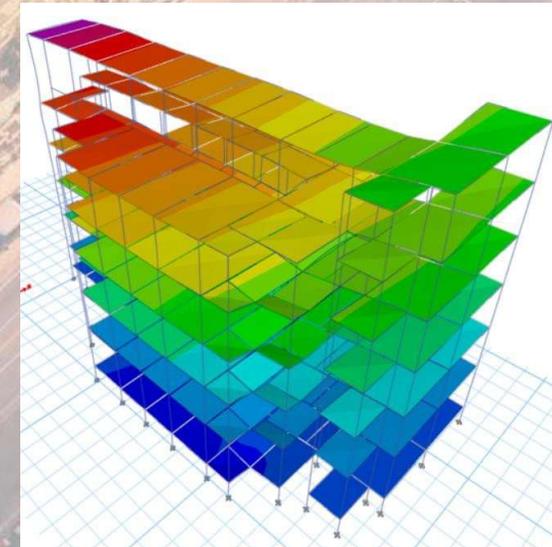
Bearing, Settlement, Punching Shear, Crack Width

SOFTWARES USED-

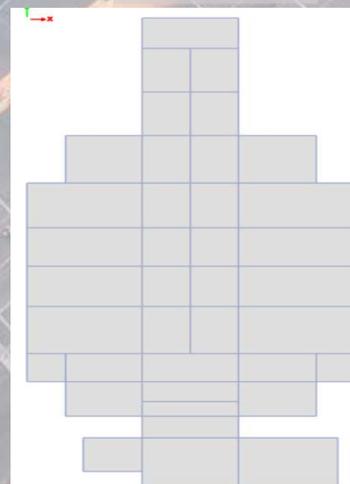
ETABS, SAFE and AutoCAD



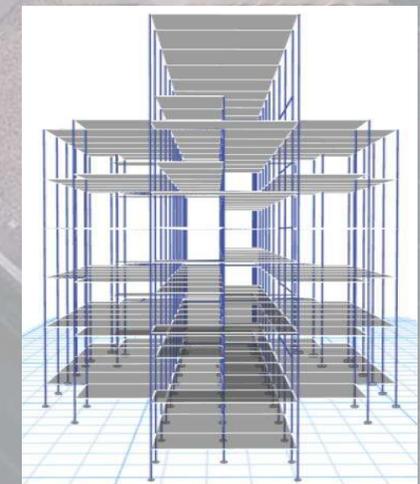
3D View



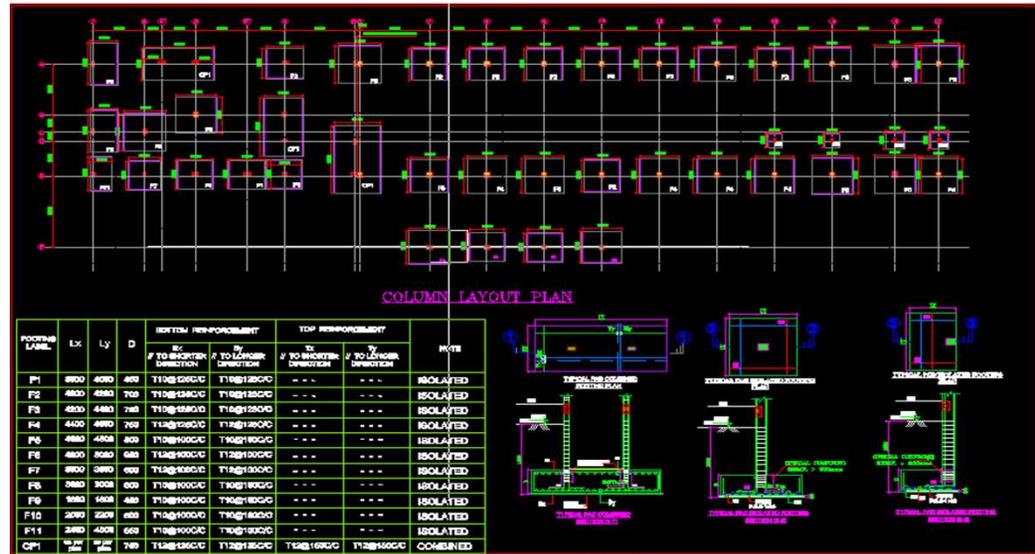
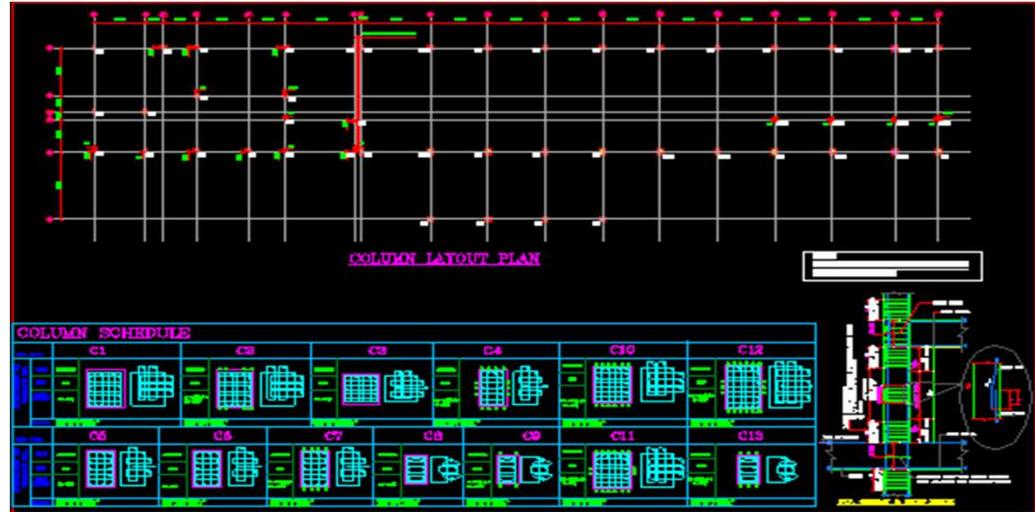
3D Deformed Shape



Typical Floor Plan View



3D Elevation View



FOUNDATION LAYOUT PLAN

LOADS CONSIDERED-

Dead Load, Live Load, Seismic Load (Static and Dynamic), Wind Load (Static)

ANALYSIS PERFORMED-

FEM, Modal, Response Spectrum

CHECKS PERFORMED-

Displacement, Torsional Irregularity, Soft Storey

DESIGN AND DETAILING-

*IS-456:2000, IS-875-Part-I,II&III,
IS-1893-Part-II:2016, IS-13920:2016,*

FOUNDATION DESIGN-

SBC- 136.3 kN/m²

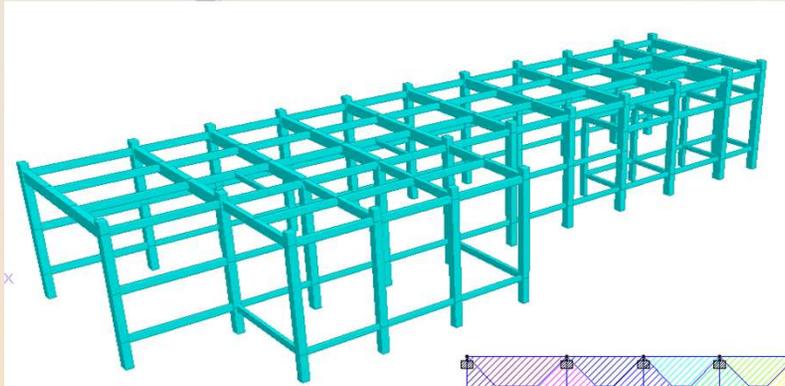
Type- Combined & Matt Foundation

CHECKS PERFORMED-

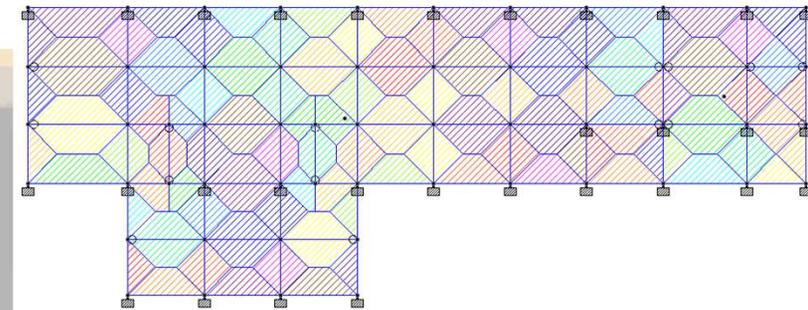
Bearing, Settlement, Crack Width

SOFTWARES USED-

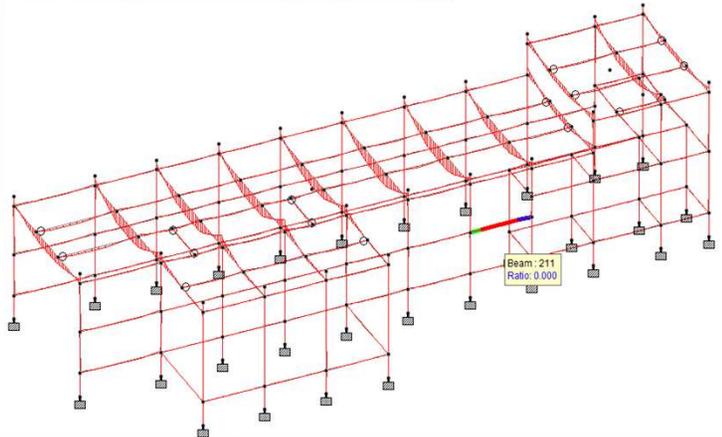
STAAD PRO, EXCEL and AutoCAD



3D View



Floor Plan View



Deformed Shape

THANK YOU



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+917007309560



<https://www.kdstructure.in>

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