

iONE



What is ' BIM '

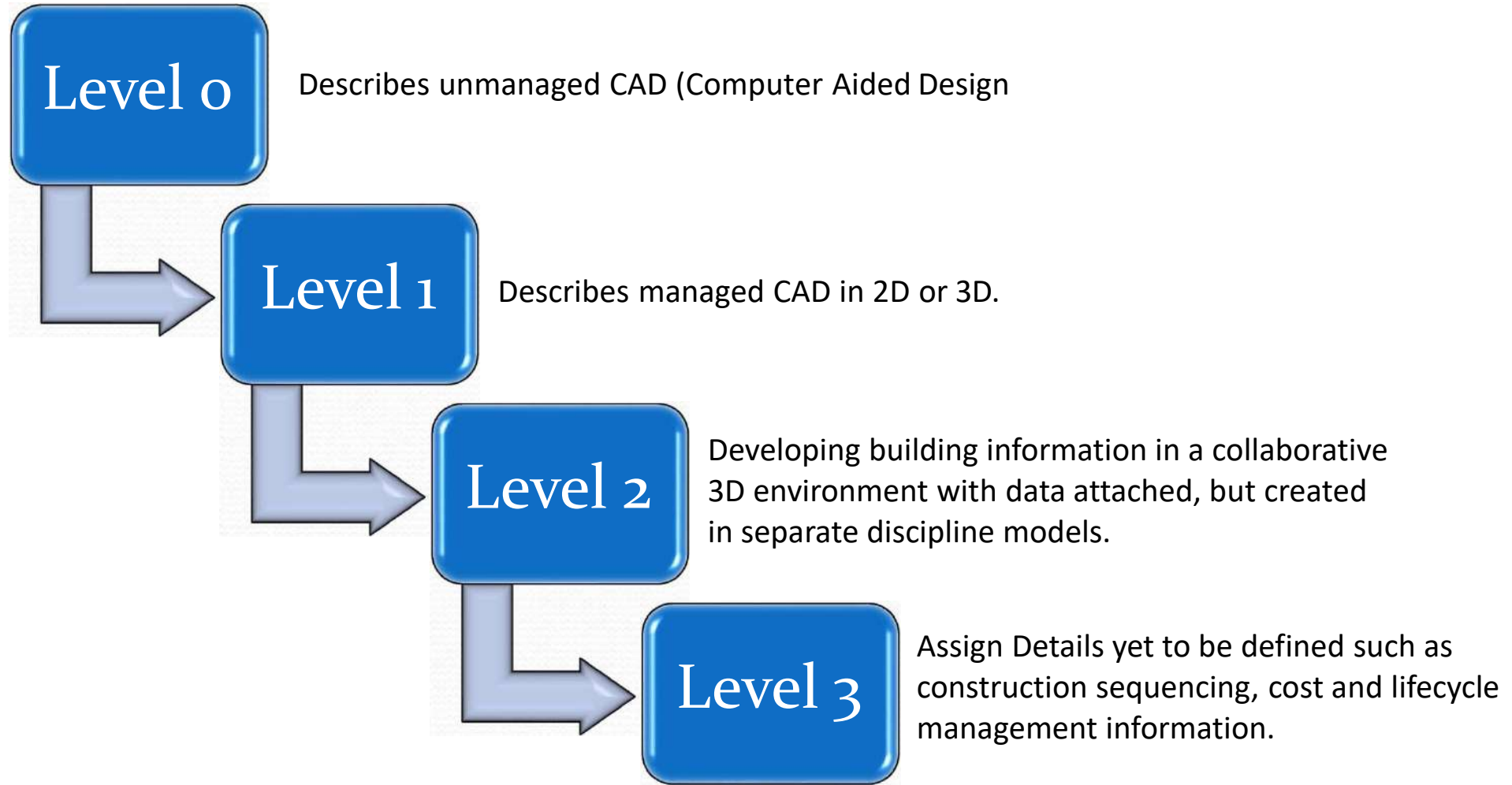
Building Information Modeling (BIM) is an intelligent 3D model-based process that gives architecture, engineering, and construction (AEC) professionals the insight and tools to more efficiently plan, design, construct, and manage buildings and infrastructure.



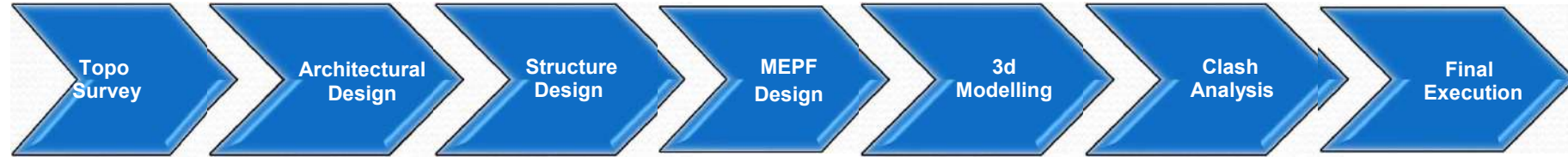
Benefits of BIM

- Better Collaboration and Communication
- Model-Based Cost Estimation
- Preconstruction Project Visualization
- Improved Coordination and Clash Detection
- Reduced Cost and Mitigated Risk
- Improved Scheduling/Sequencing
- Increased Productivity and Prefabrication
- Safer Construction Sites
- Better Builds
- Stronger Facility Management and Building Handover

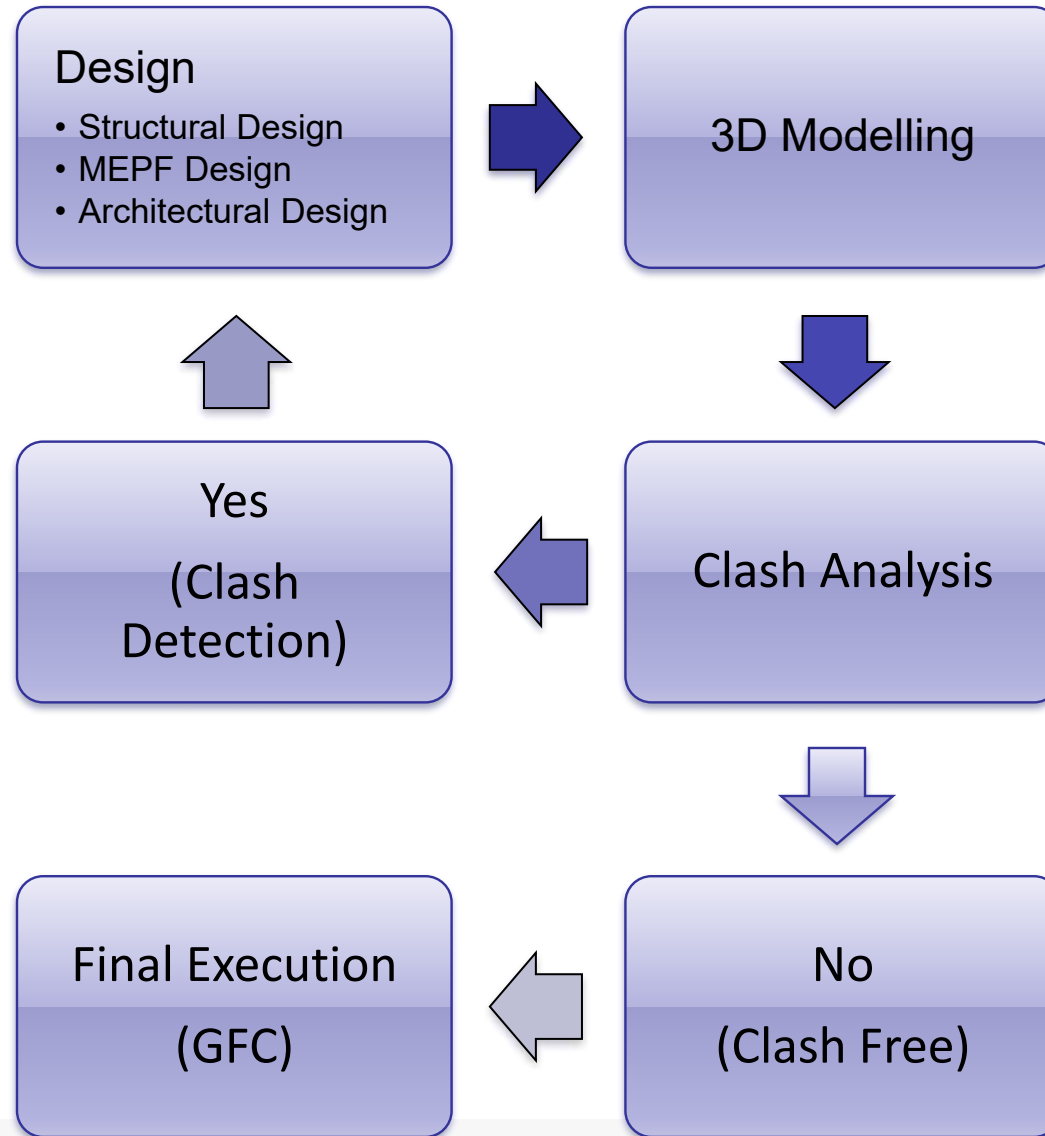
BIM Level of Details



BIM Workflow

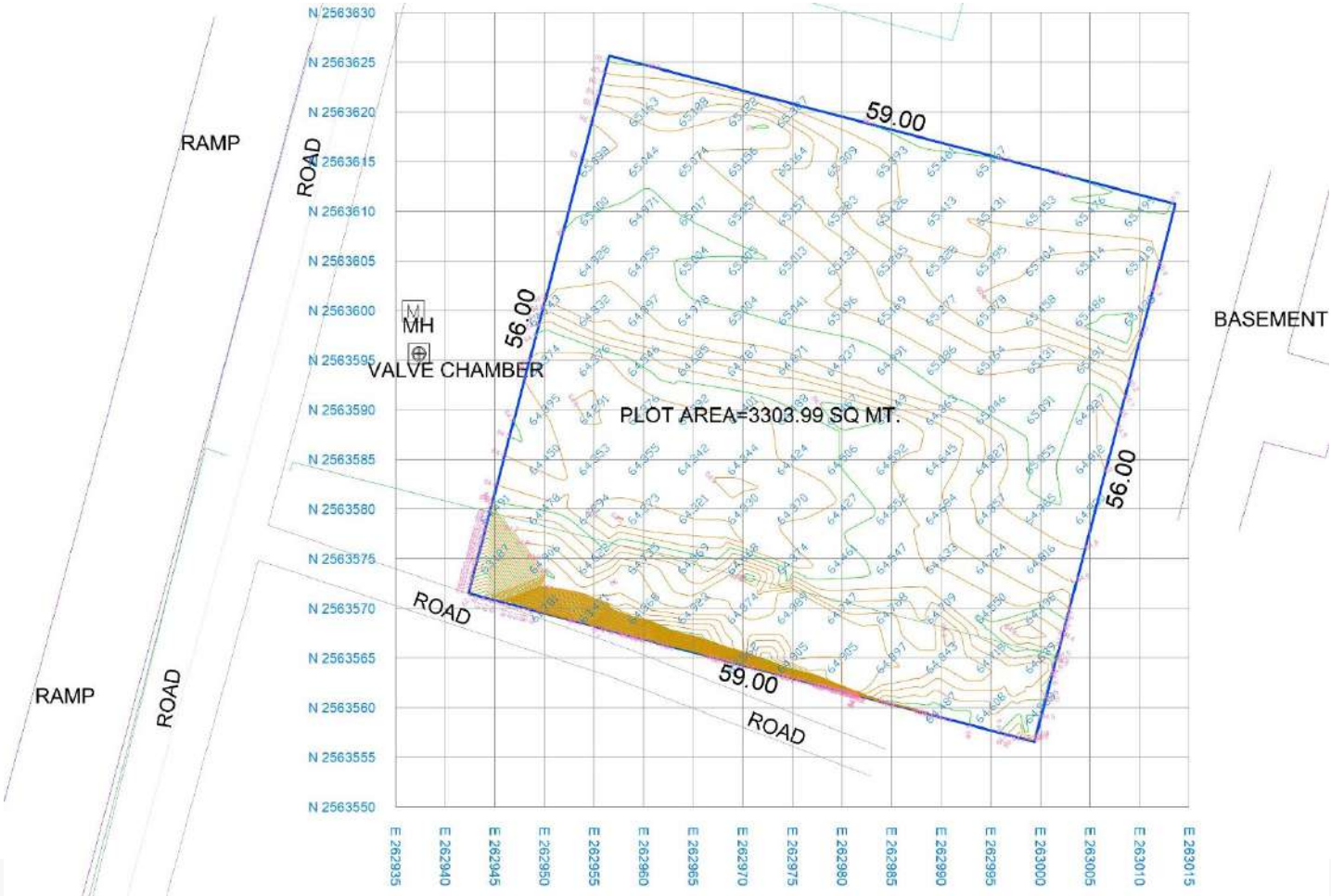


BIM Workflow



BIM Workflow

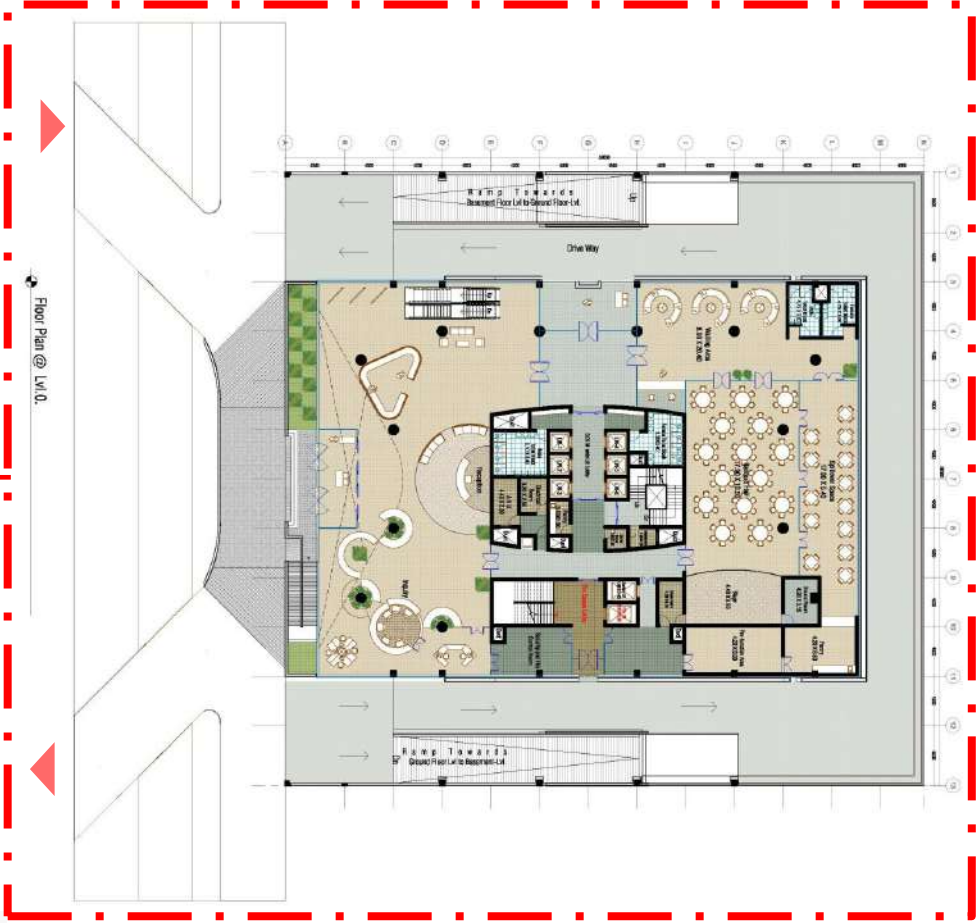
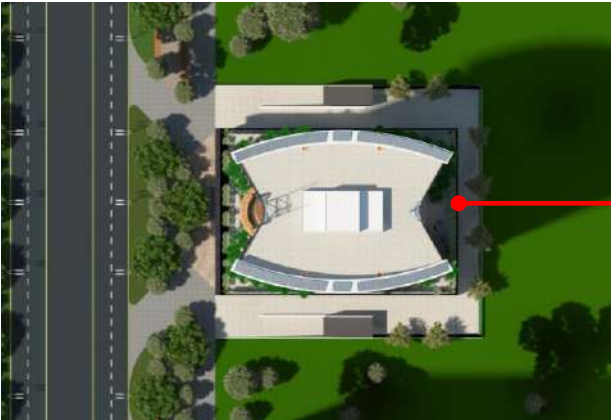
➤ Topo Survey:



BIM Workflow

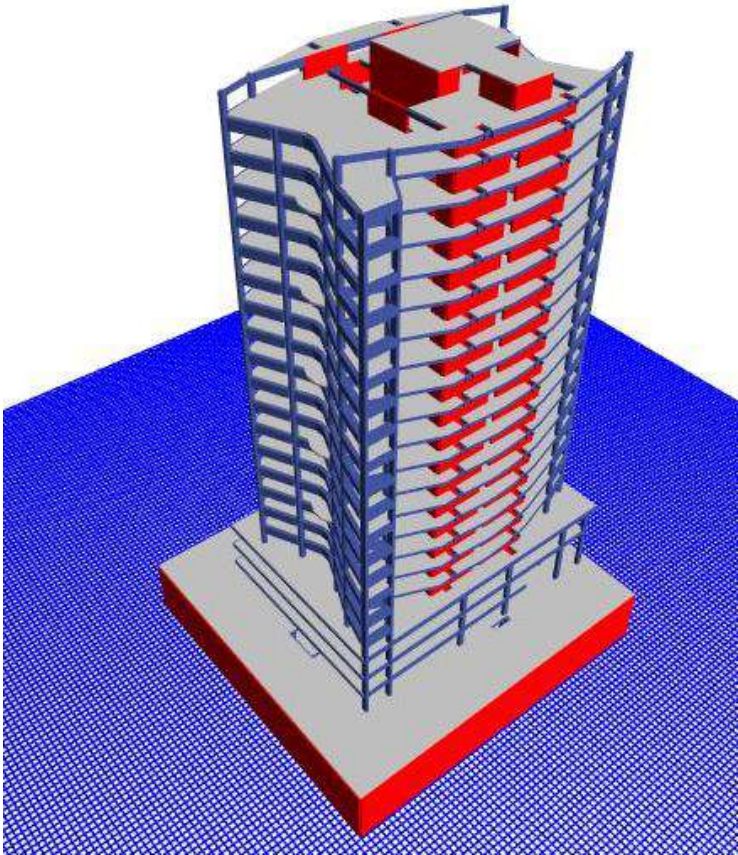
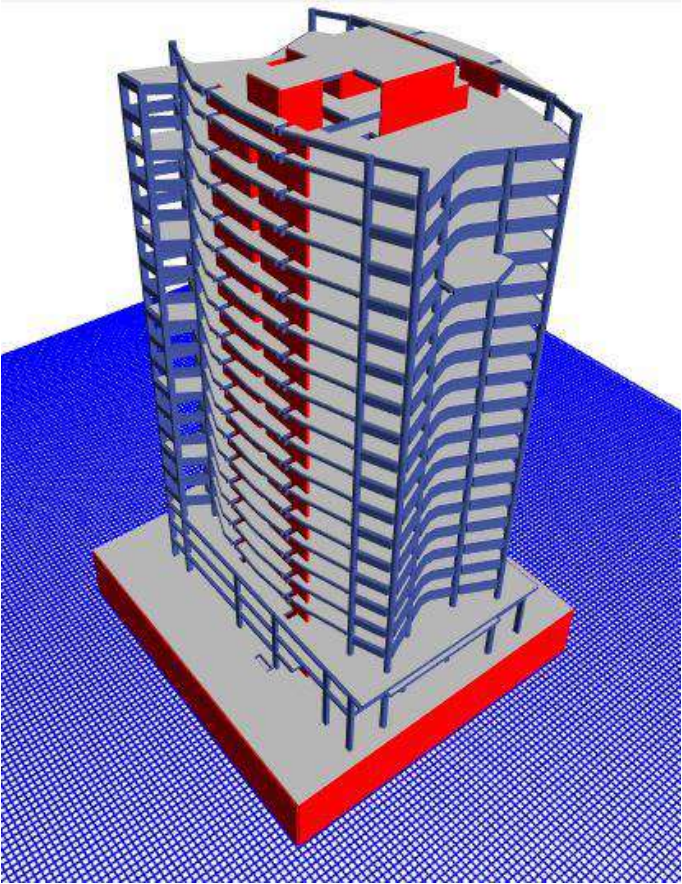
➤ Architectural Design:

Location Plan



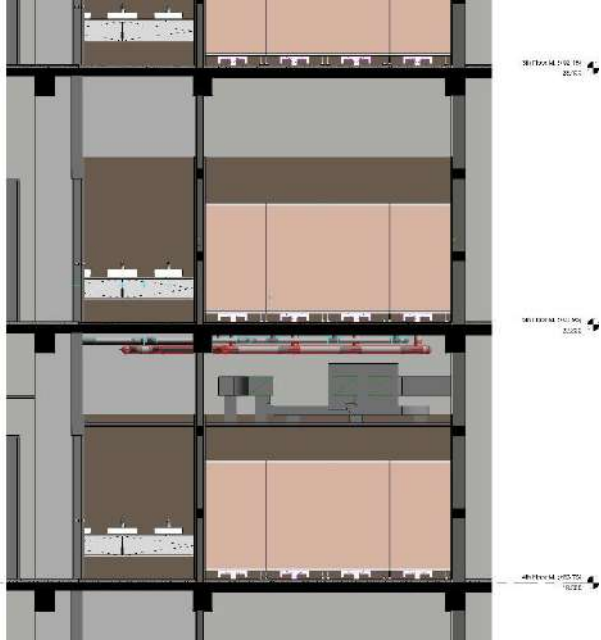
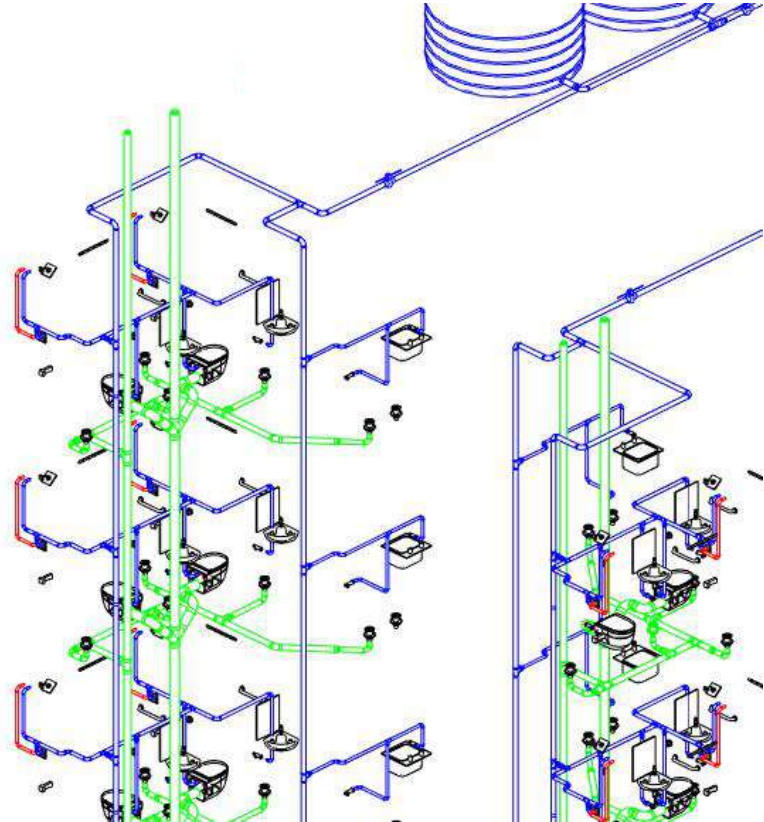
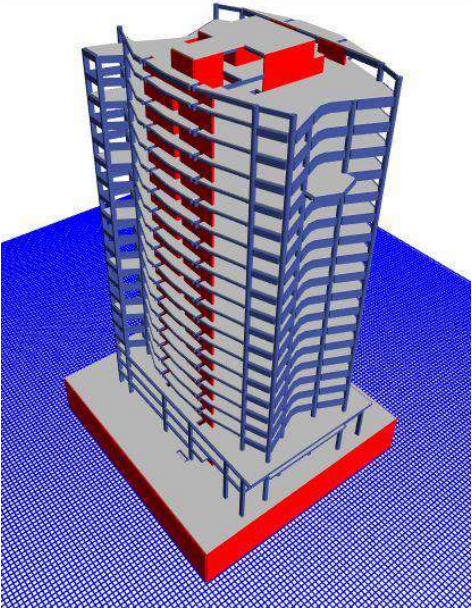
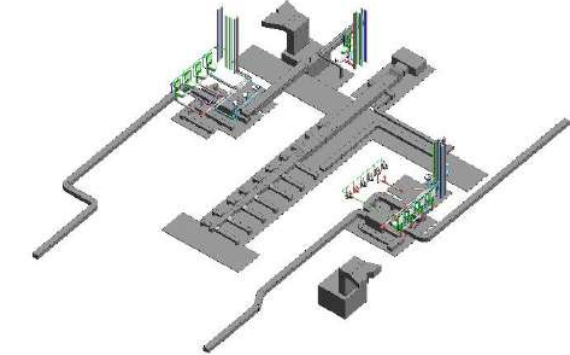
BIM Workflow

➤ Structure Design:



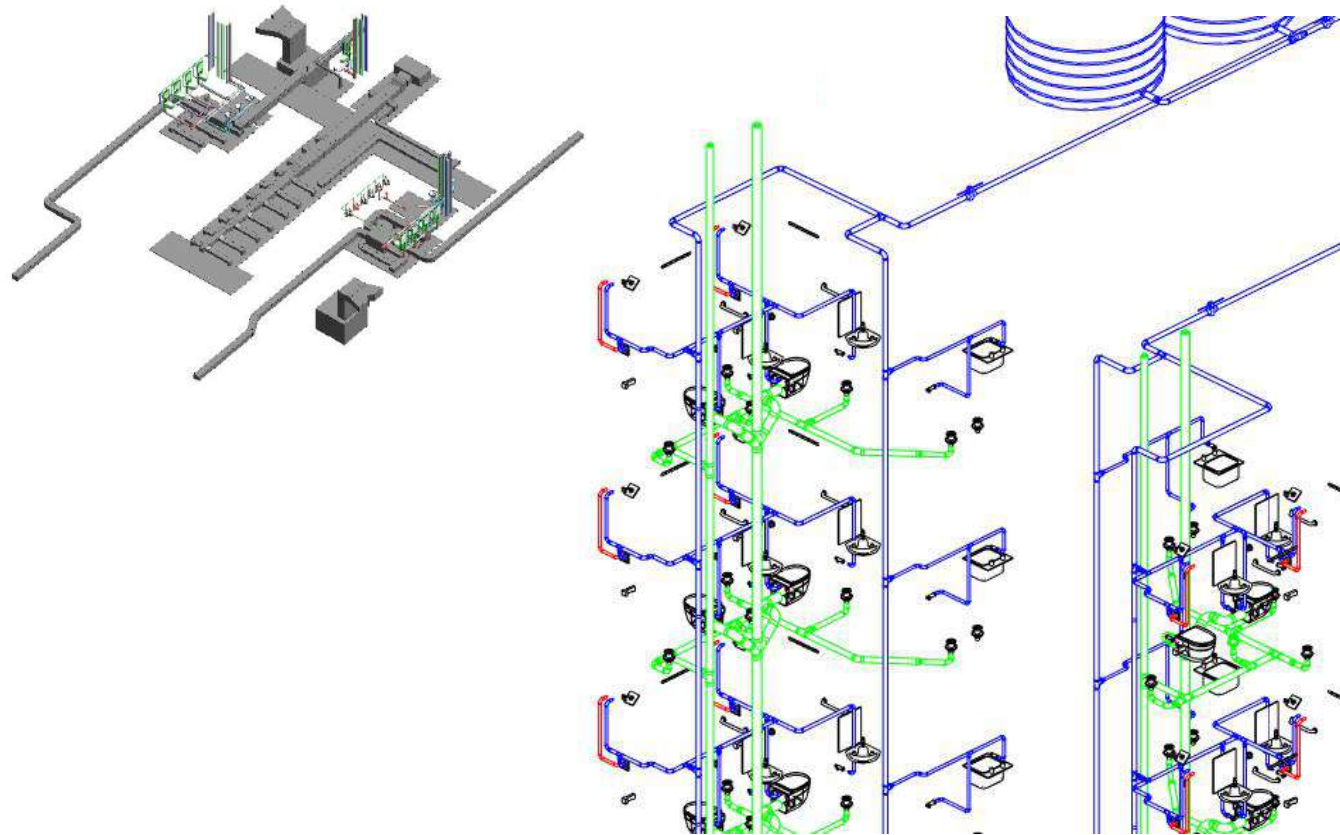
BIM Workflow

➤ MEPF Design:



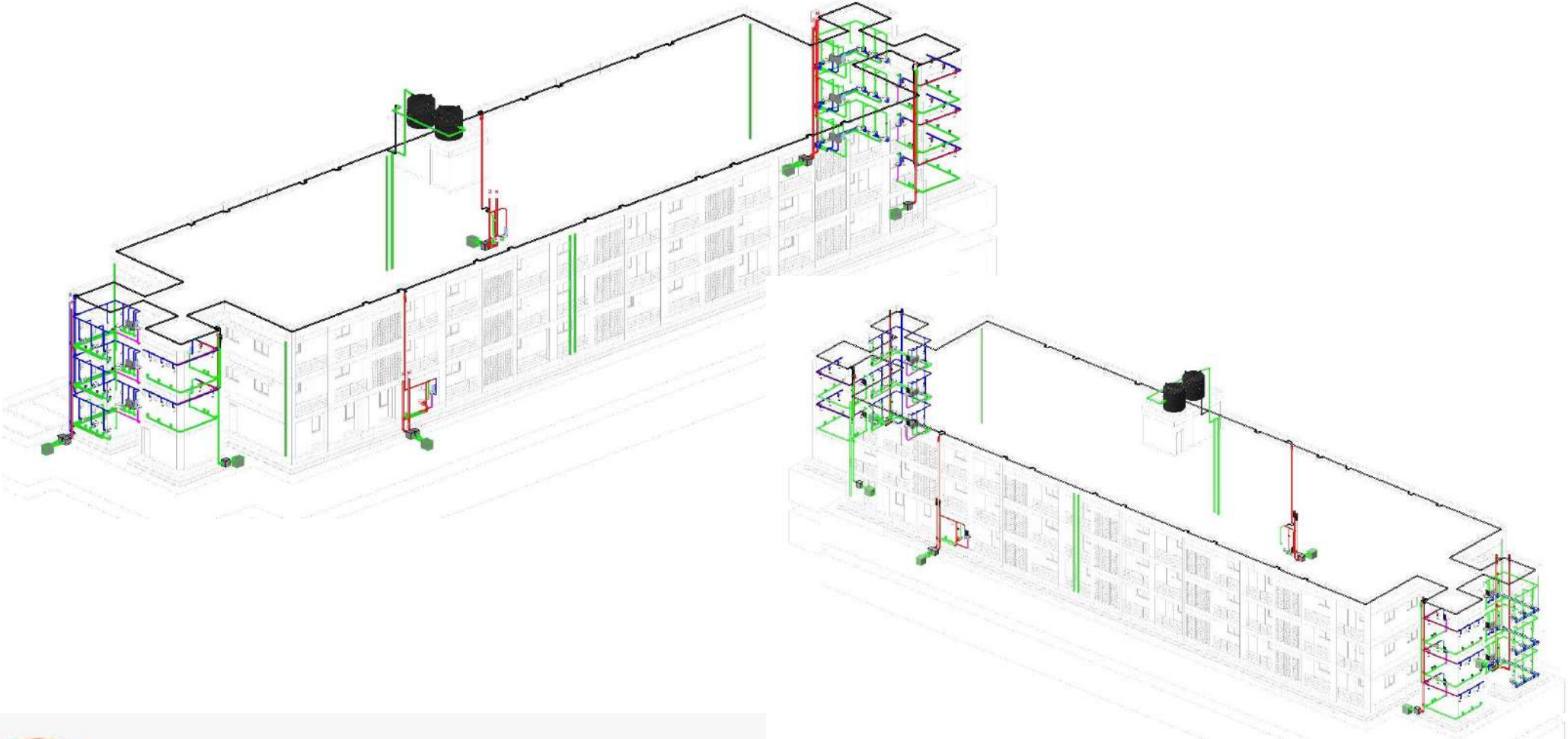
BIM Workflow

➤ 3d Modelling:



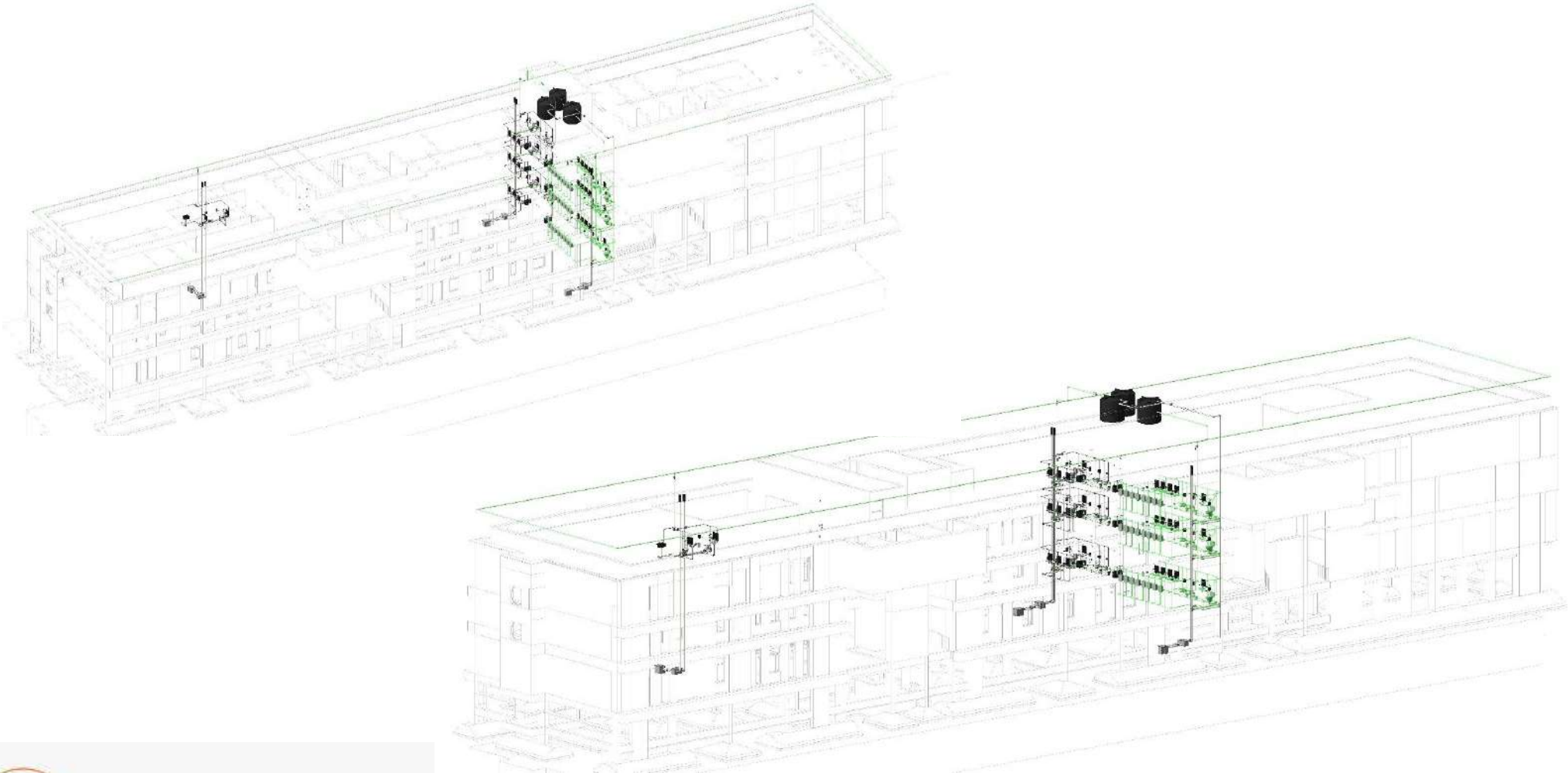
BIM Workflow

➤ MEPF Design:



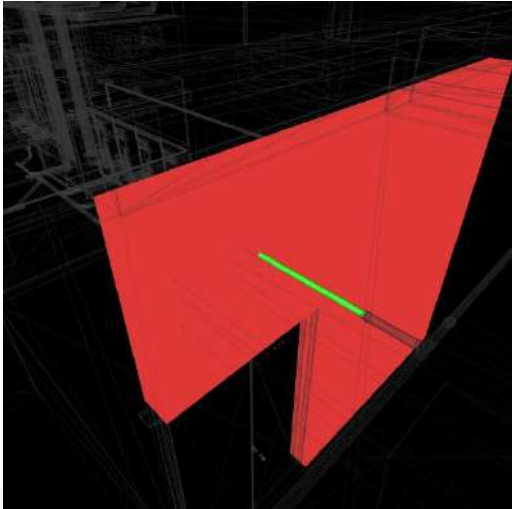
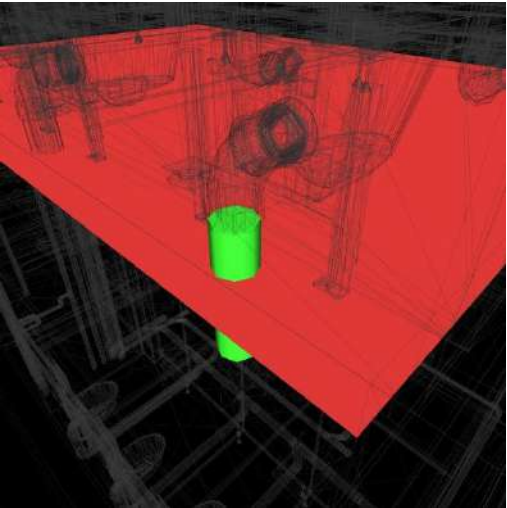
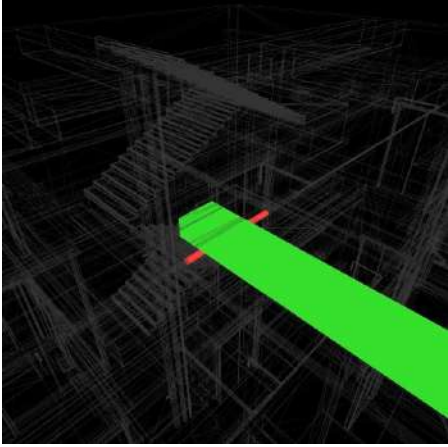
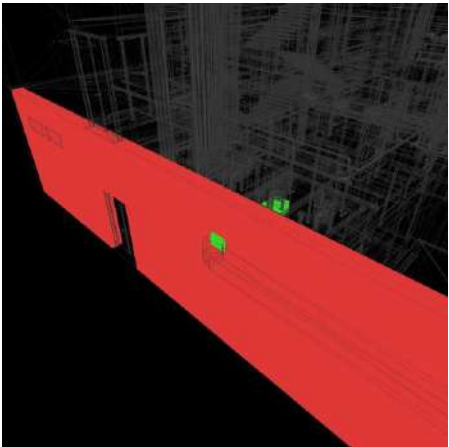
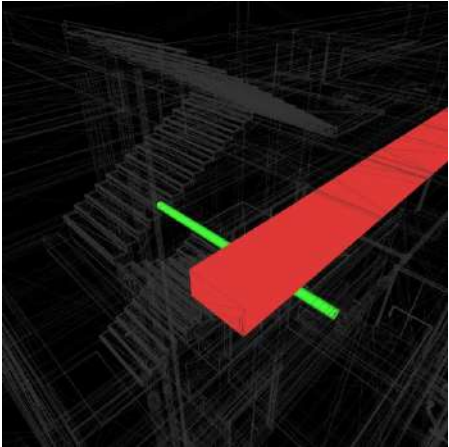
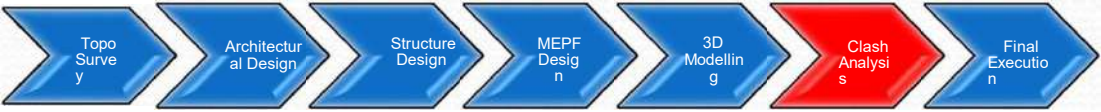
BIM Workflow

➤ MEPF Design:



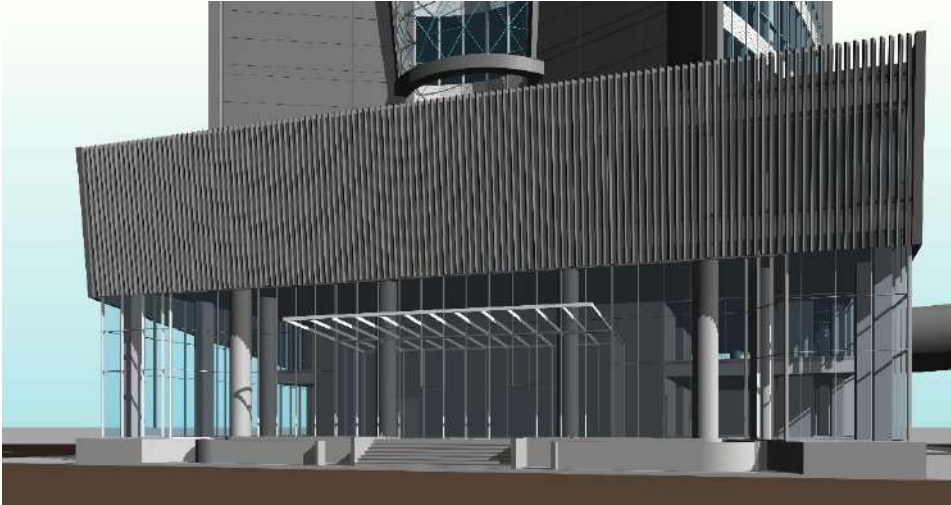
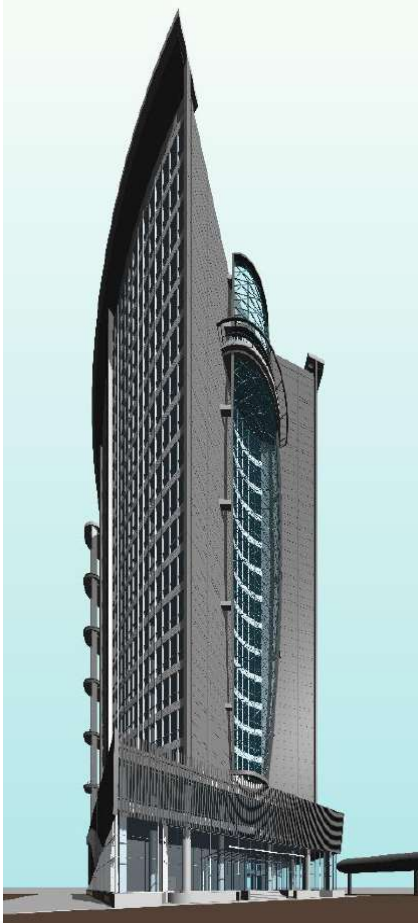
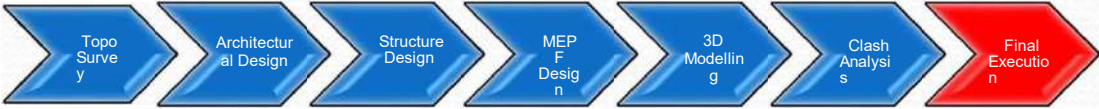
BIM Workflow

➤ Clash Analysis :

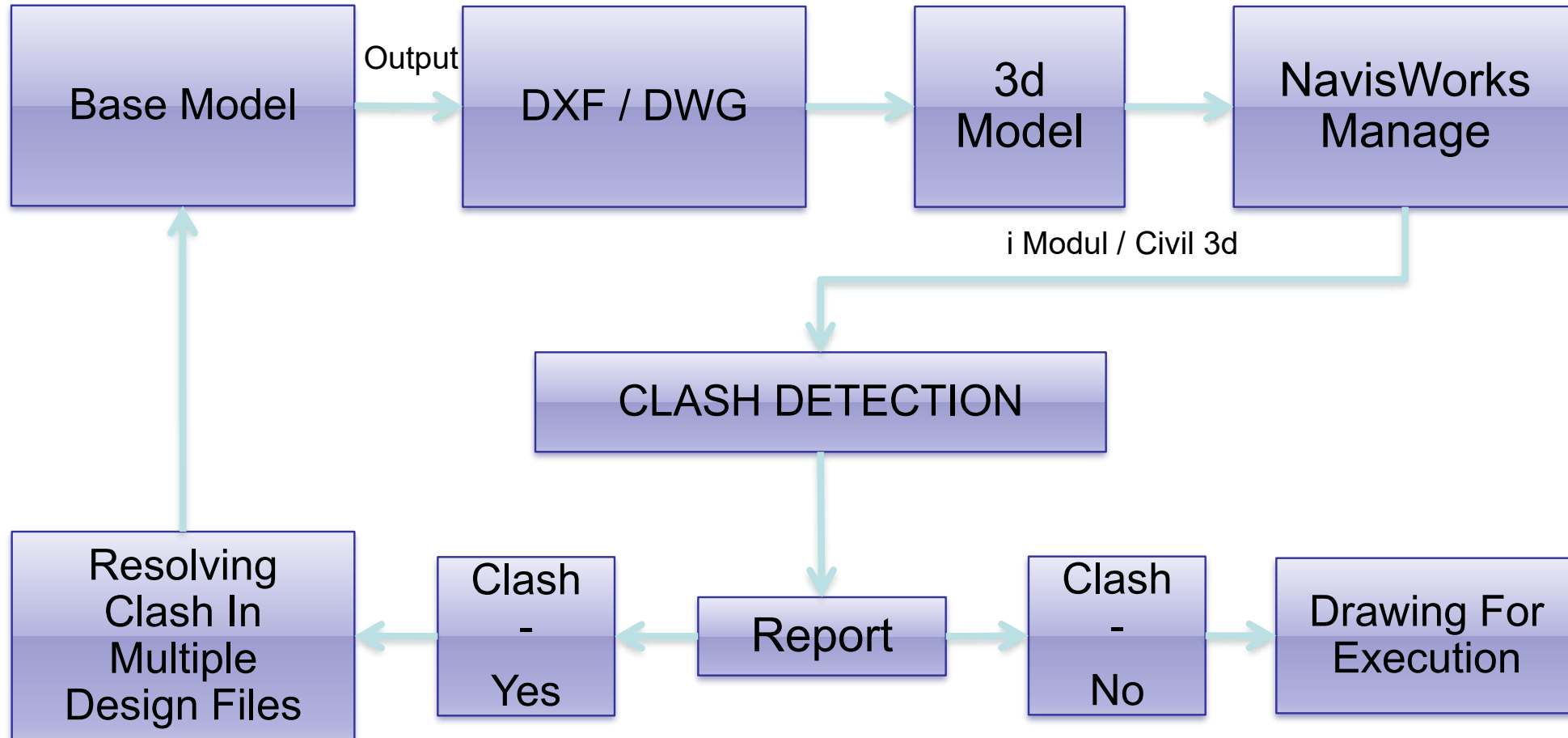


BIM Workflow

➤ Final Execution:

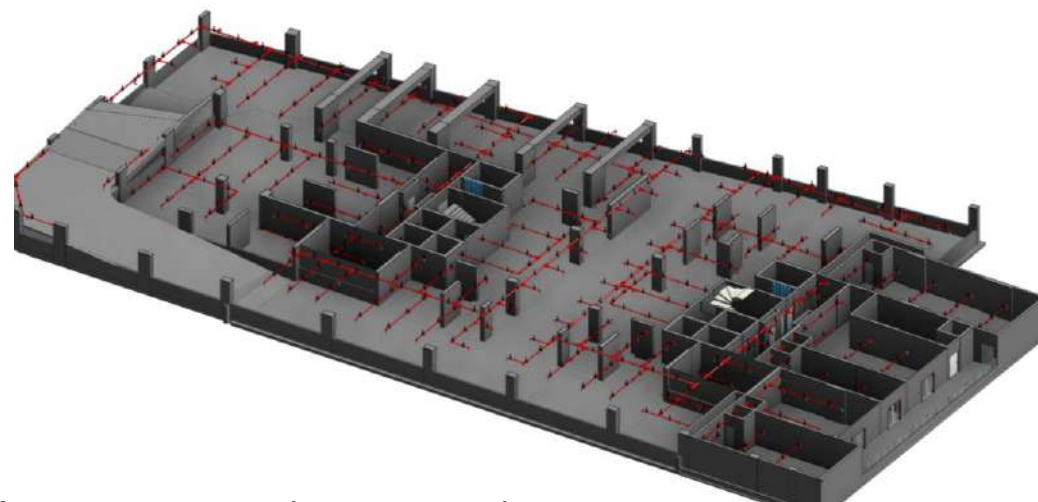
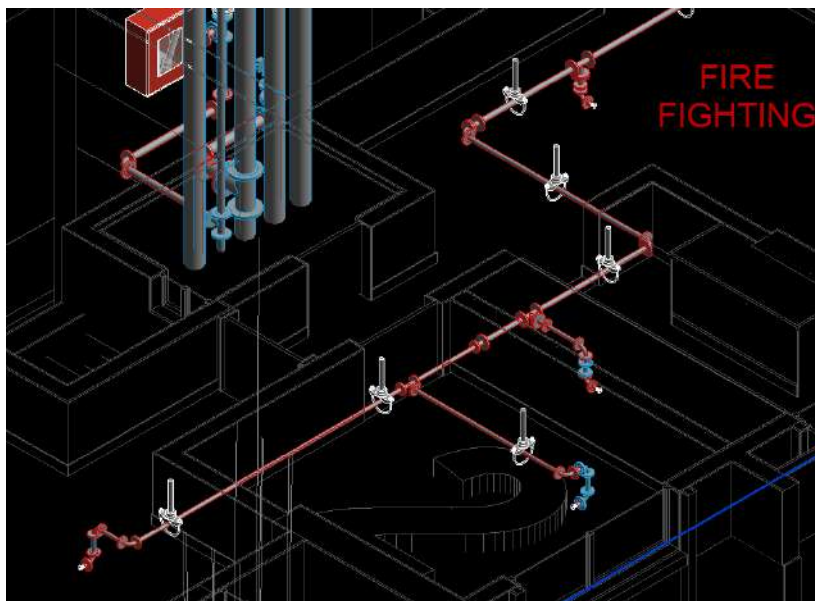


❑ CLASH STRATEGY

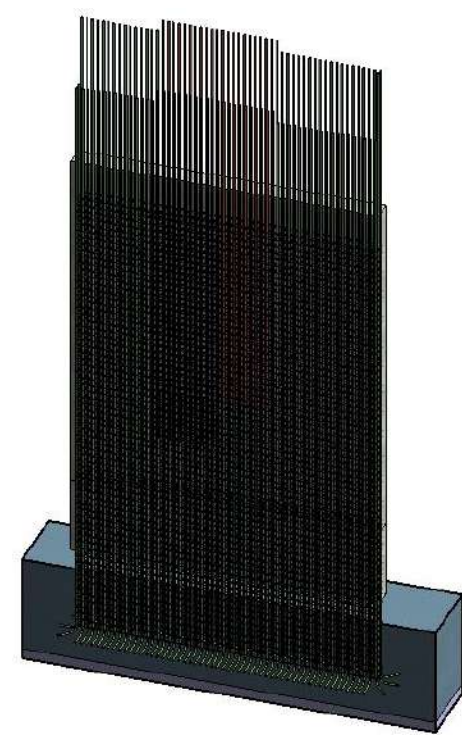
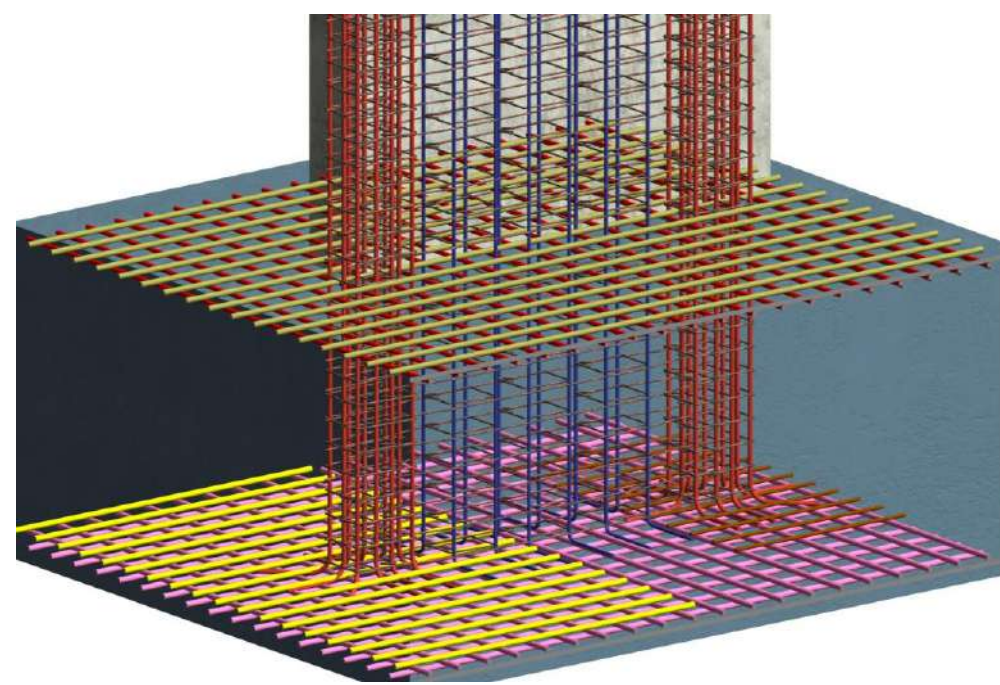
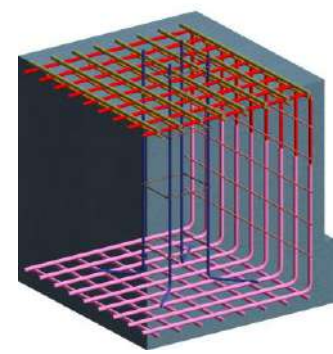
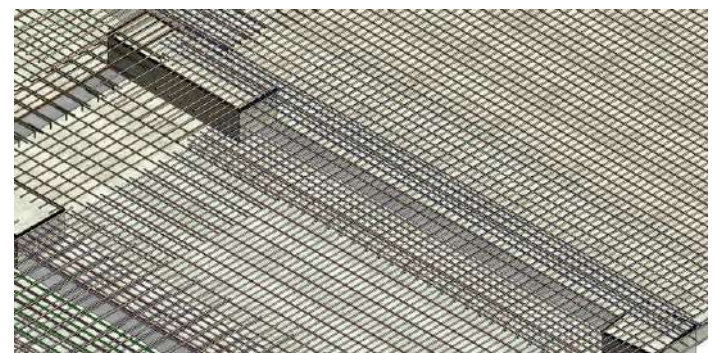
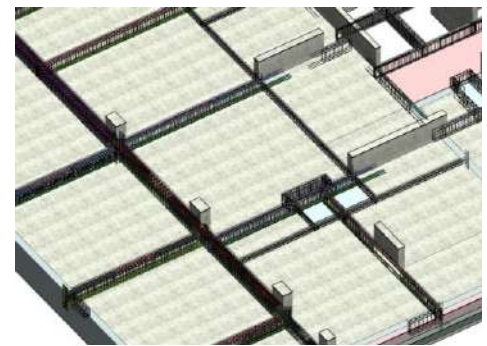
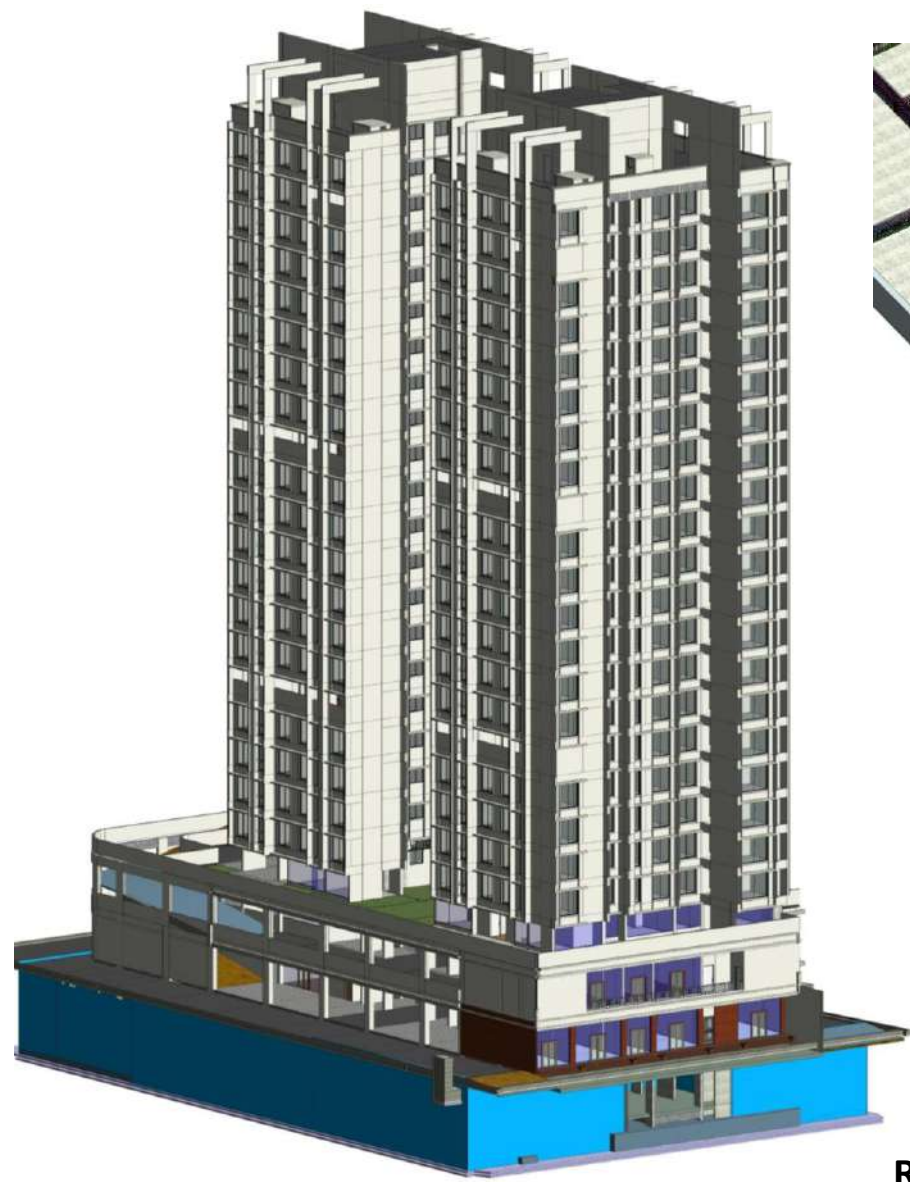




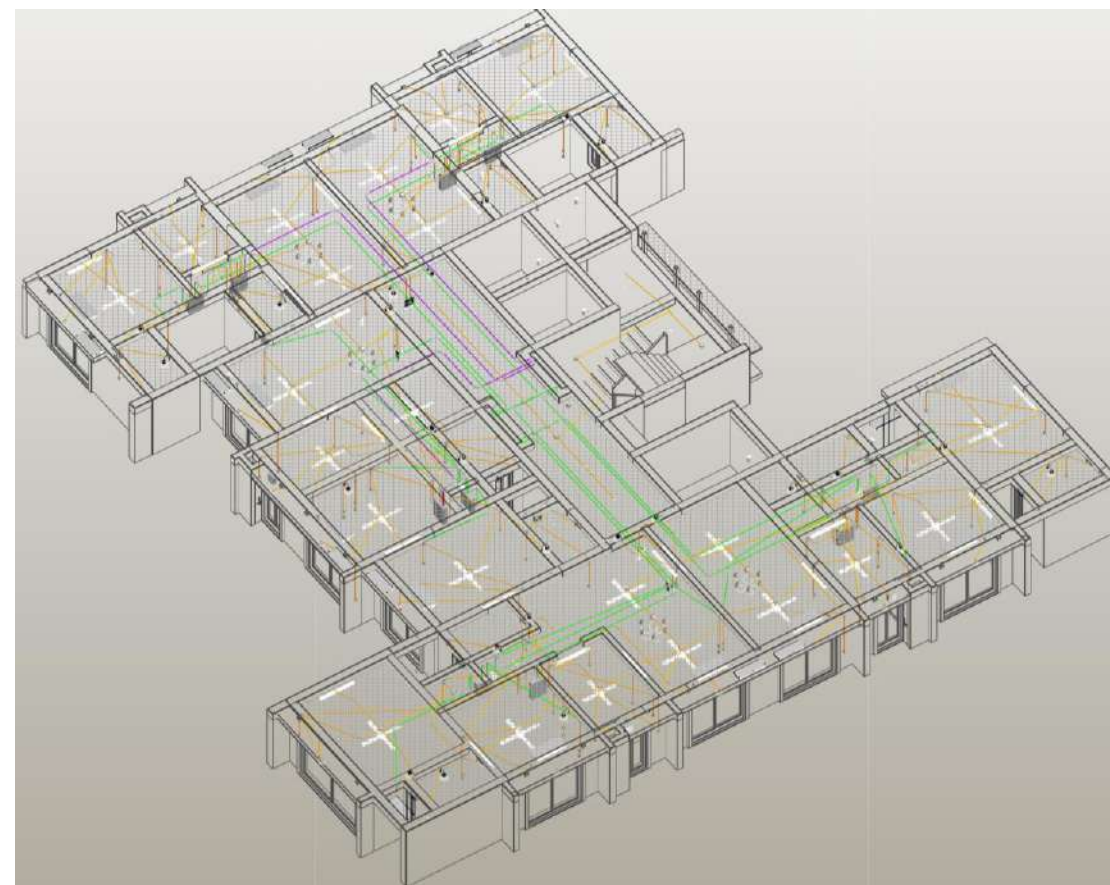
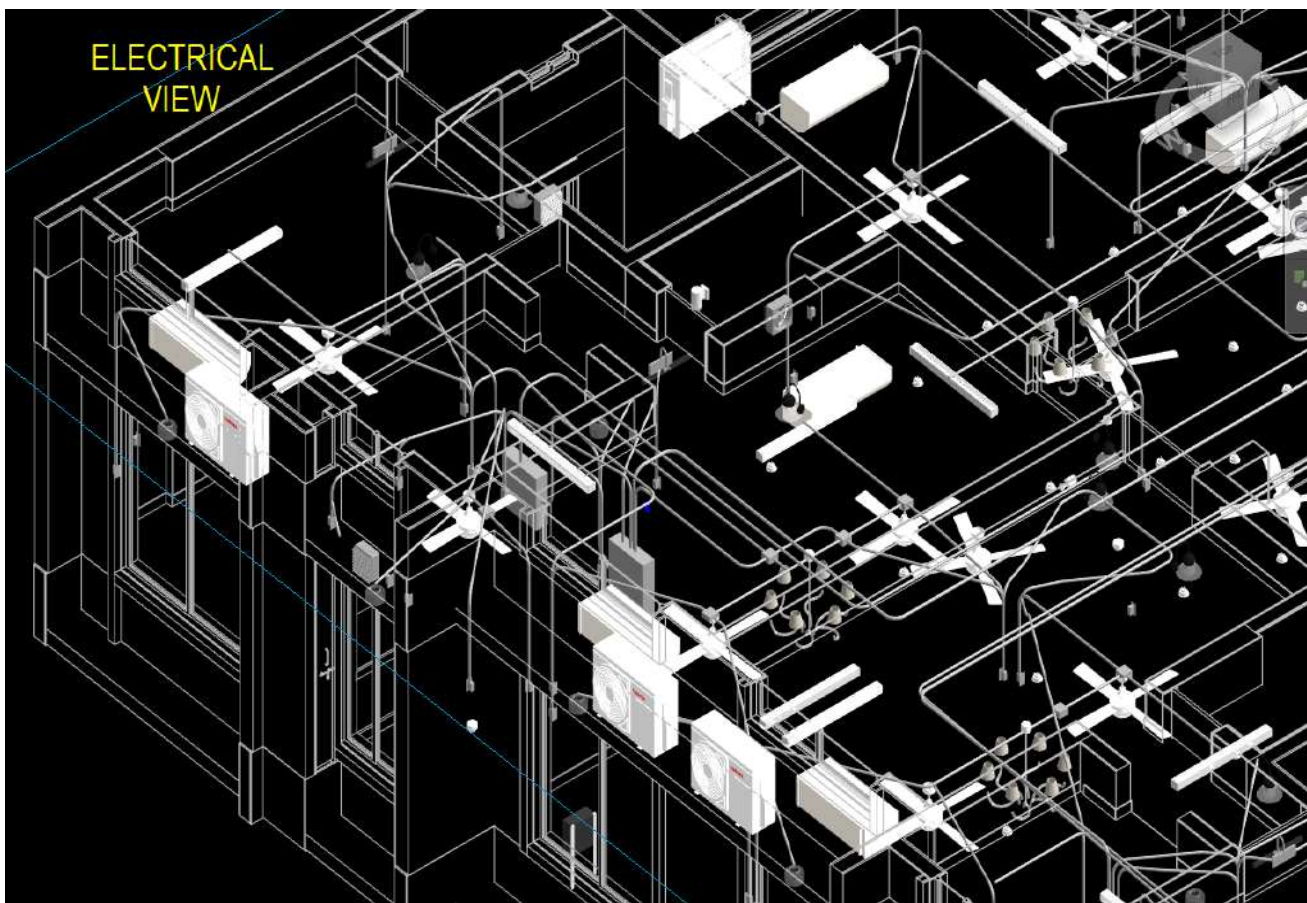
Signature BIM Projects



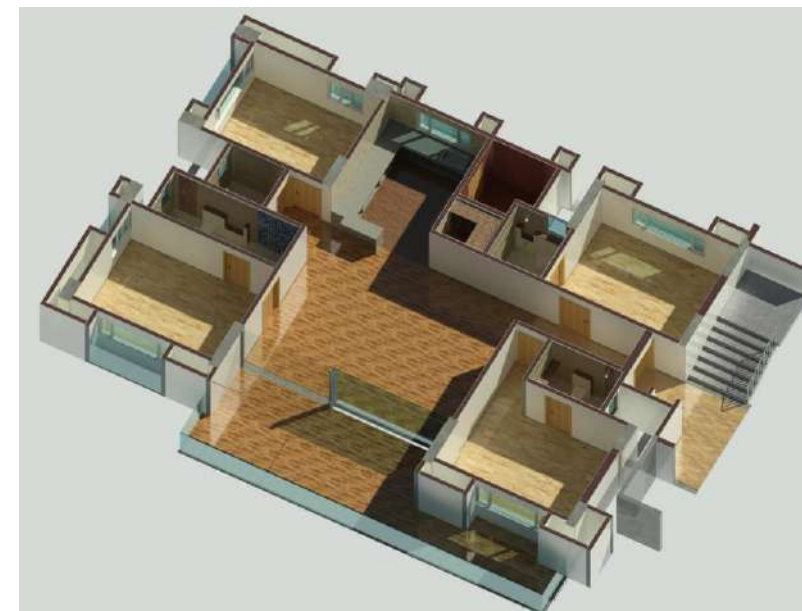
Residential Project in Jogeshwari, Mumbai.
2,77,000 Sq. Ft.



Residential Project in Jogeshwari, Mumbai.
2,77,000 Sq. Ft.

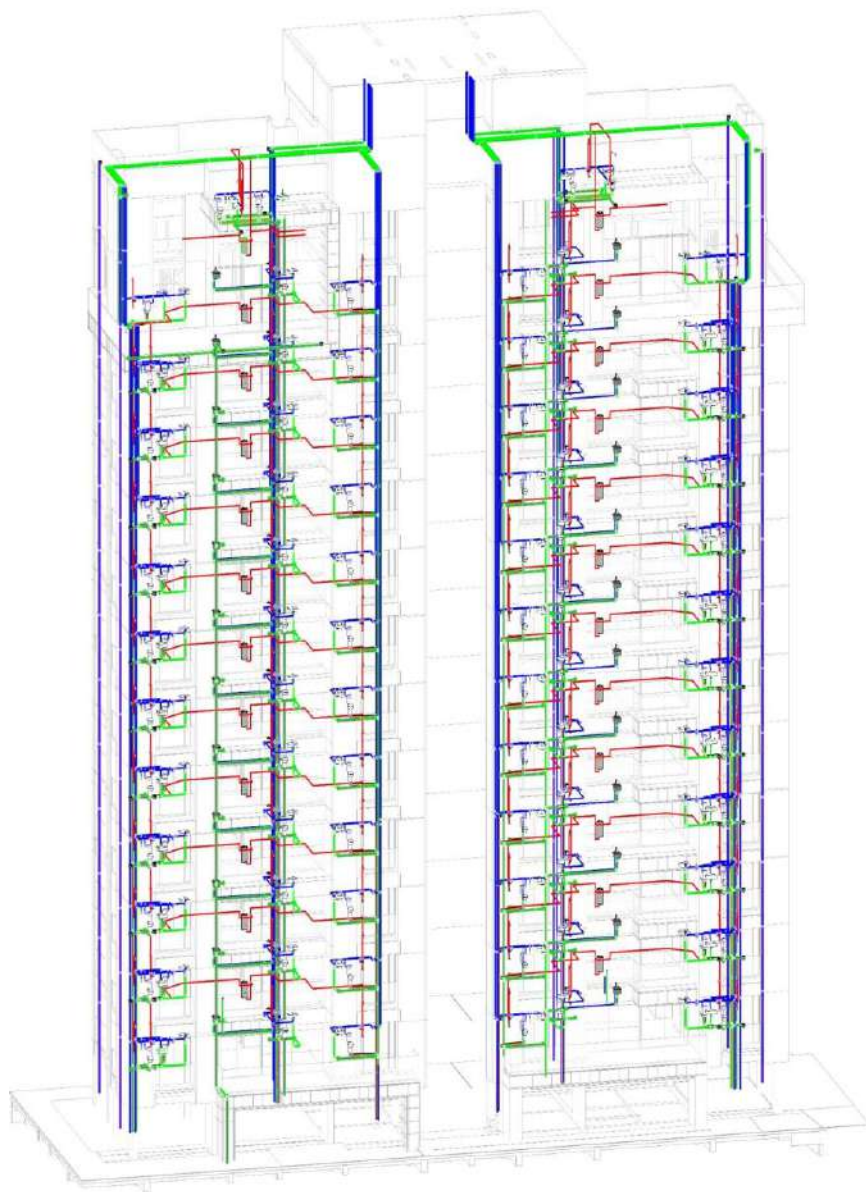


Residential Project in Jogeshwari, Mumbai.
2,77,000 Sq. Ft.. .

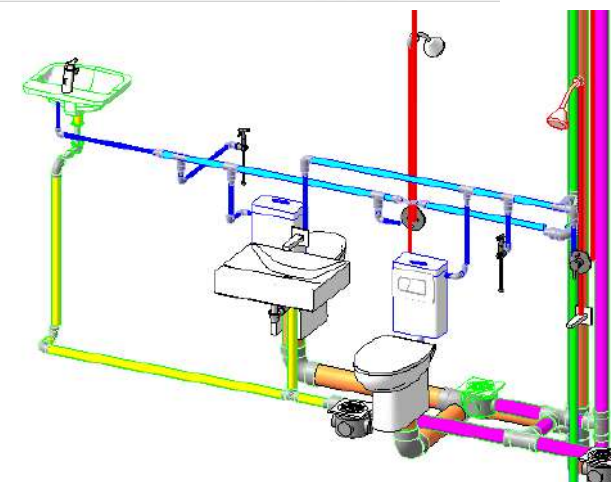
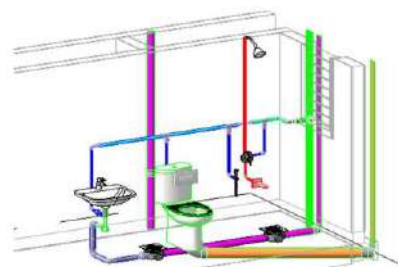
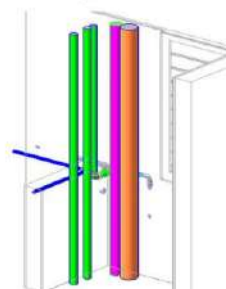


Samarthya Heights by Samarthya Group, Pal, Surat.

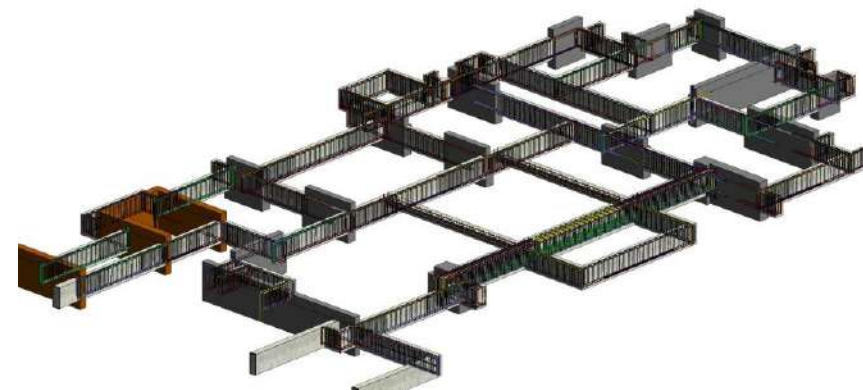
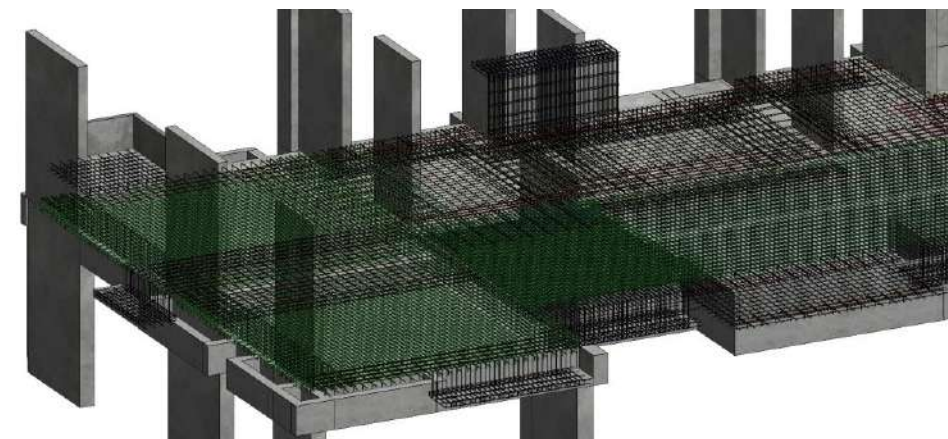
1,81,680 Sq. Ft..



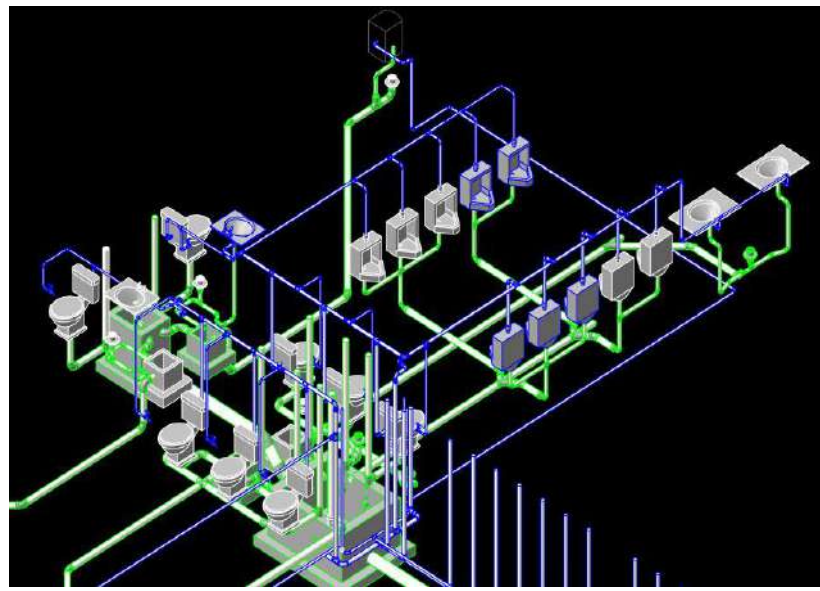
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|-----------------------|------------|--------------------|----------|--------------|
| | | Lines | Patterns | Transparency |
| 15MM_HOT_WATER_PIPE | ☑ | | Red | |
| 15MM_COLD_WATER_PIPE | ☑ | | Blue | |
| 25MM_COLD_WATER_PIPE | ☑ | | Green | |
| 40MM_COLD_WATER_PIPE | ☑ | | Yellow | |
| 40MM_WASTE_WATER_PIPE | ☑ | | Cyan | |
| 75MM_WASTE_WATER_PIPE | ☑ | | Magenta | |
| 110MM_SOIL_WATER_PIPE | ☑ | | Orange | |



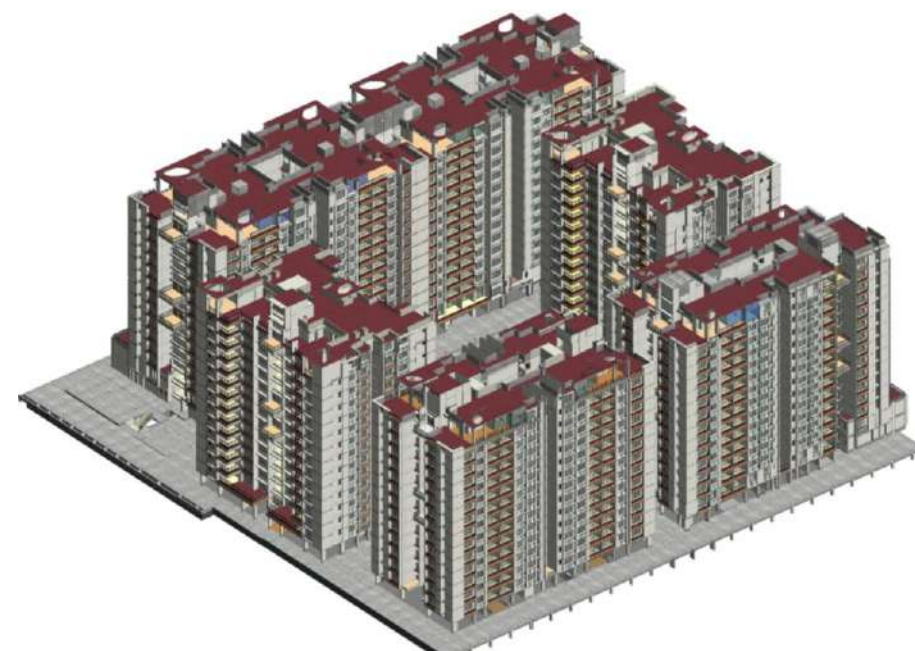
samarthya Heights by Samarthya Group, Pal, Surat.
1,81,680 Sq. Ft.



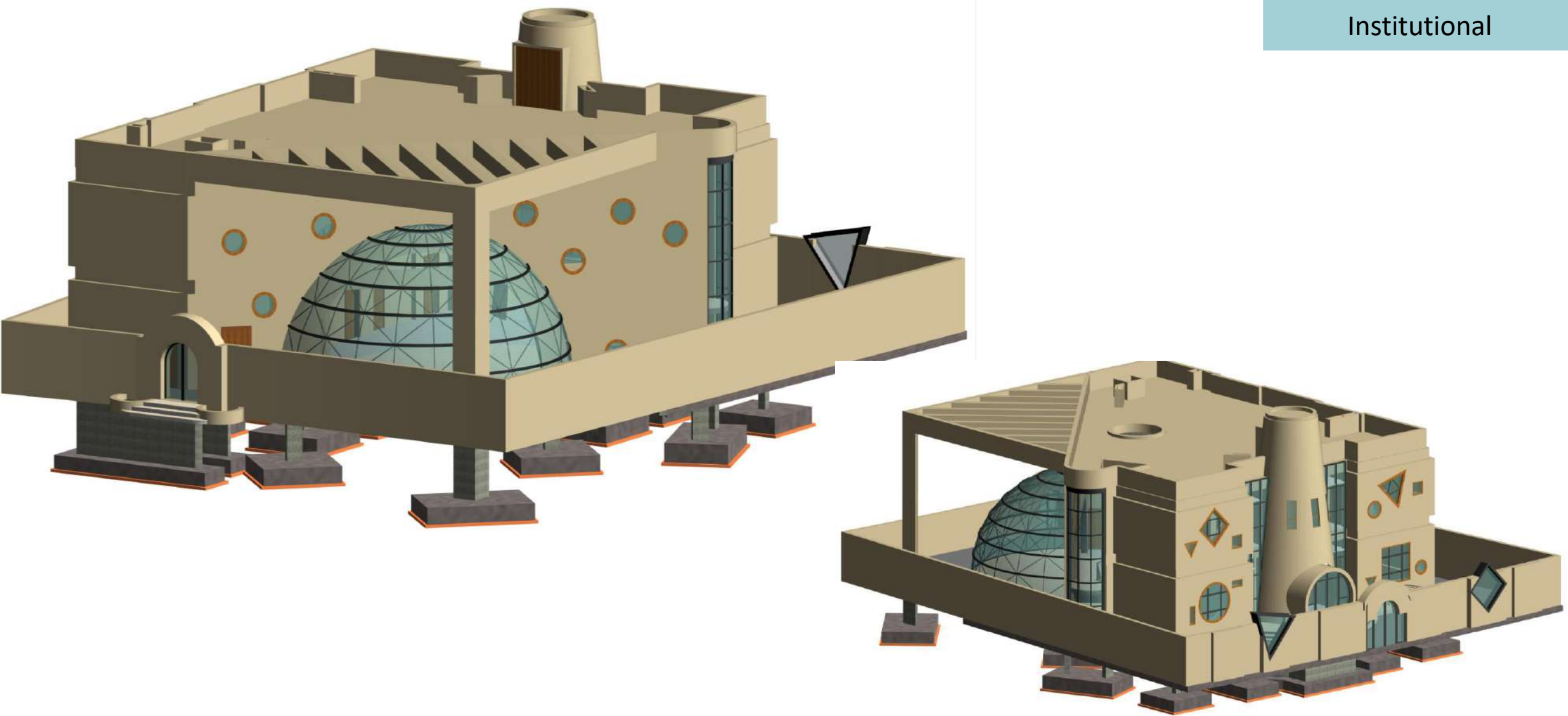
Residential project in Shilaj , Ahemedabad.
8,66,461 Sq. Ft.



Commercial project , Ludhiana, Punjab.
8,01,584 Sq.Ft.



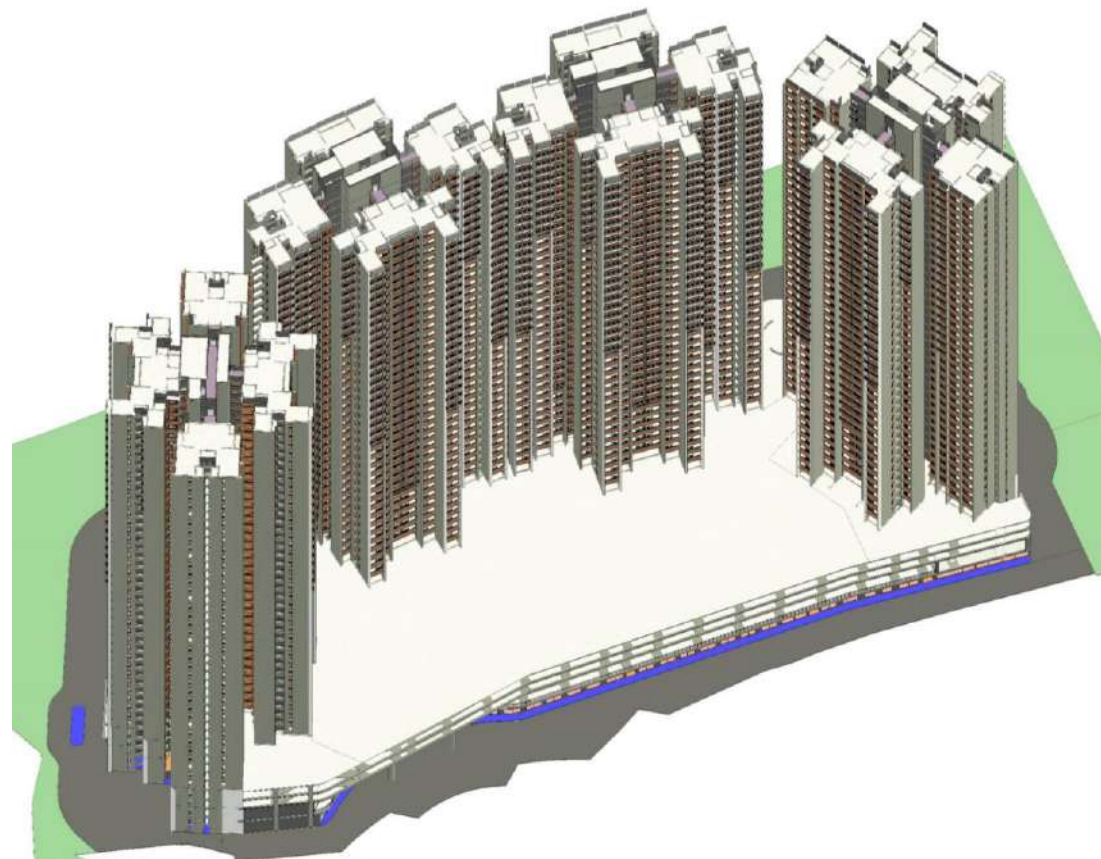
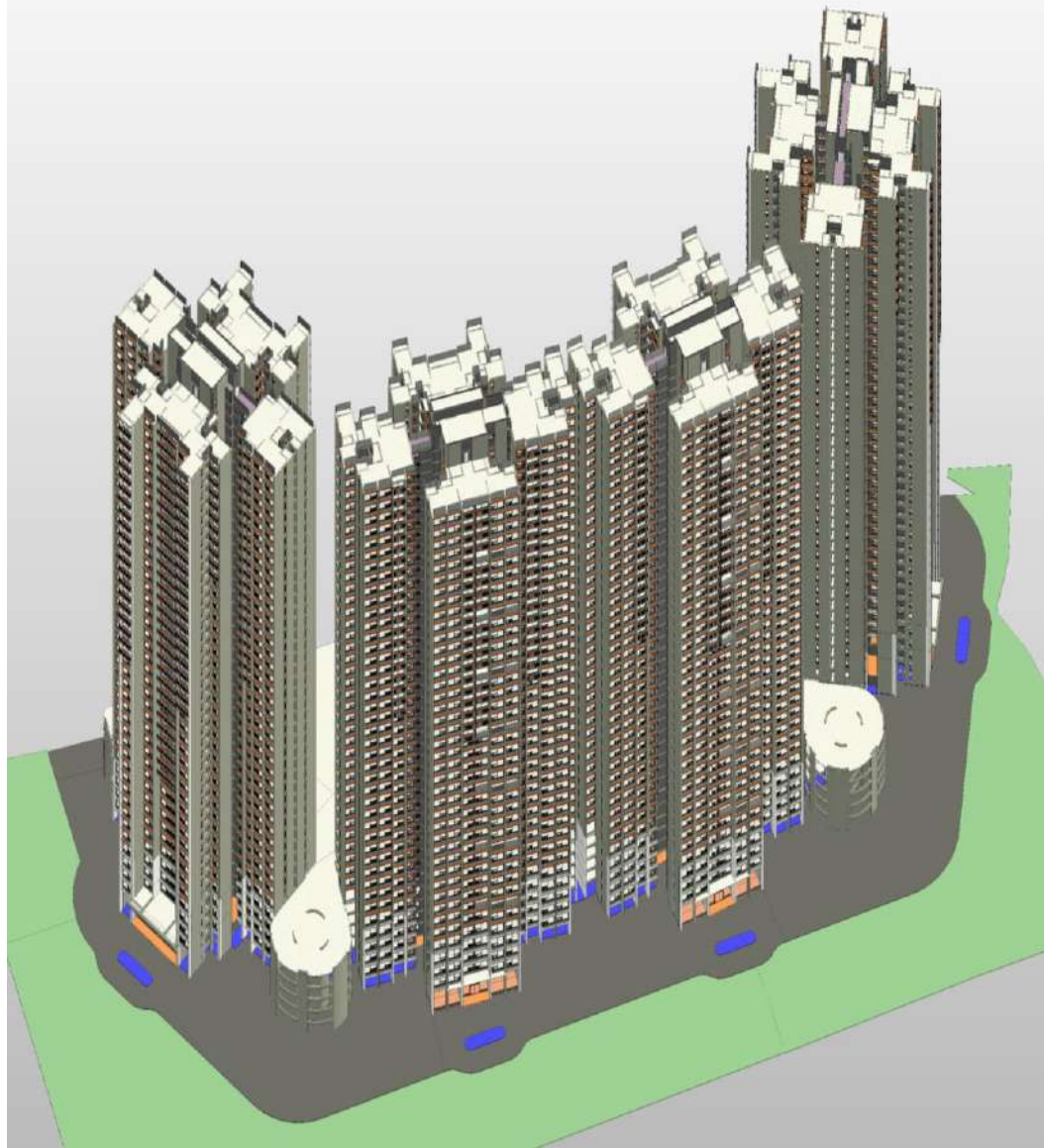
Residential project in Gota Ahmedabad
15,74,993 Sq. Ft.



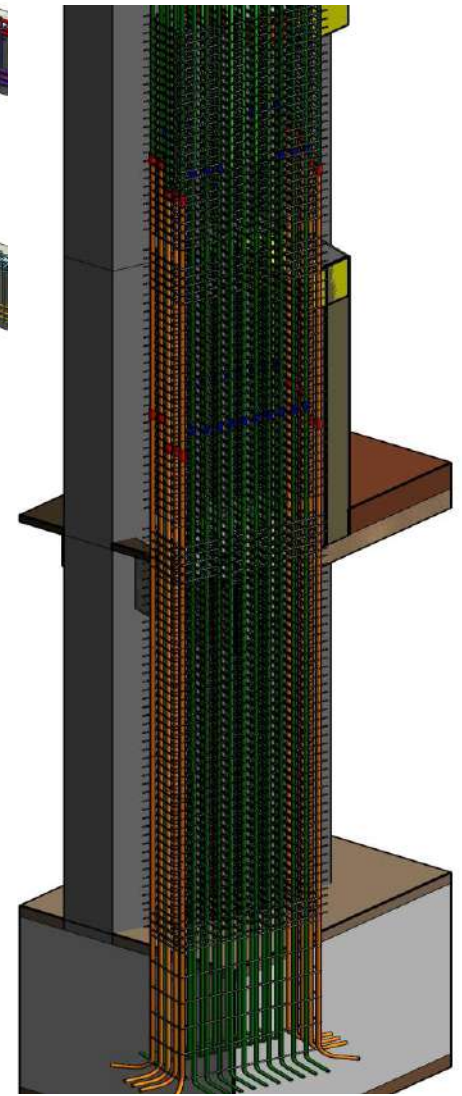
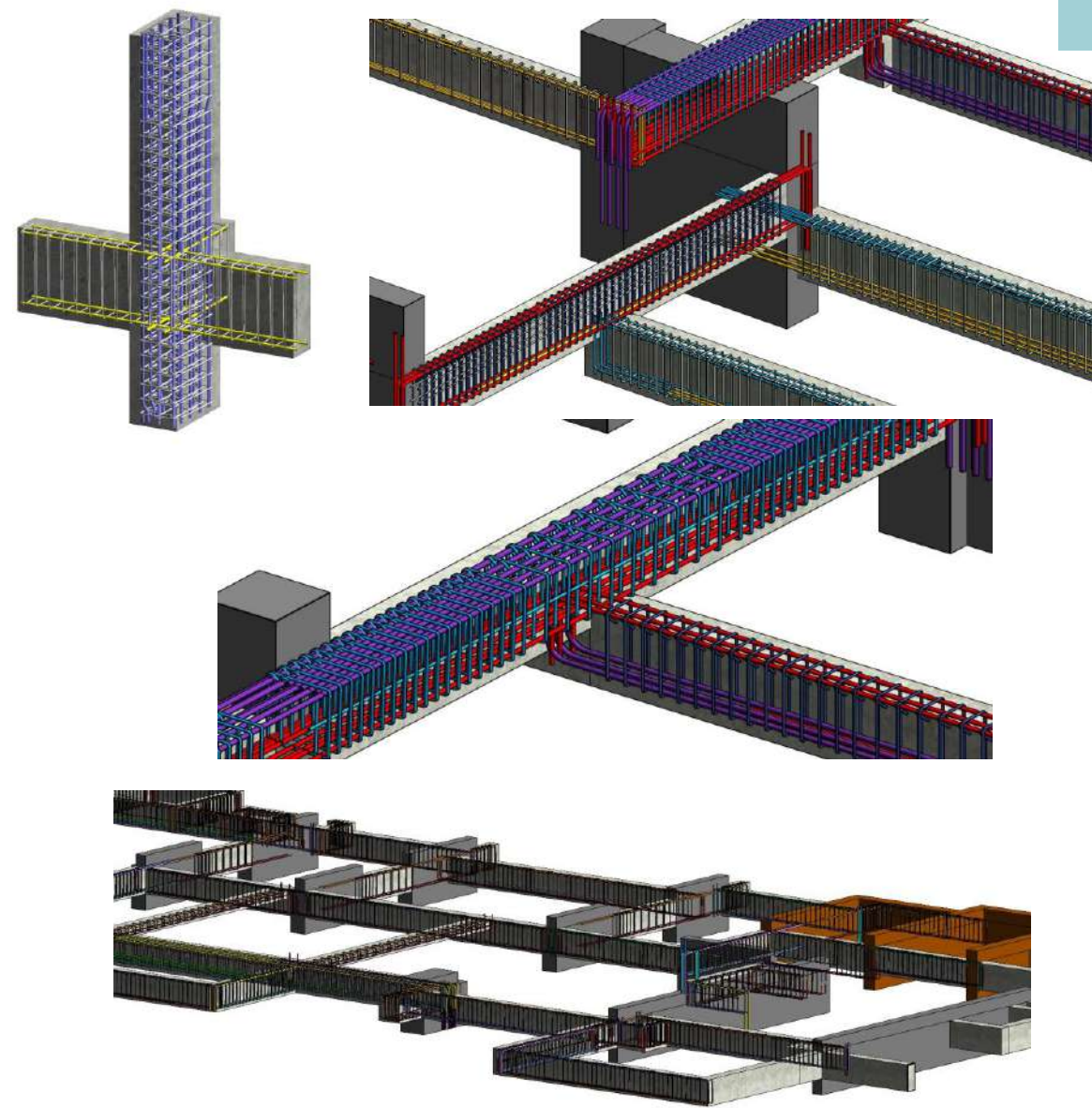
KinderGarten in Saudi Arabia



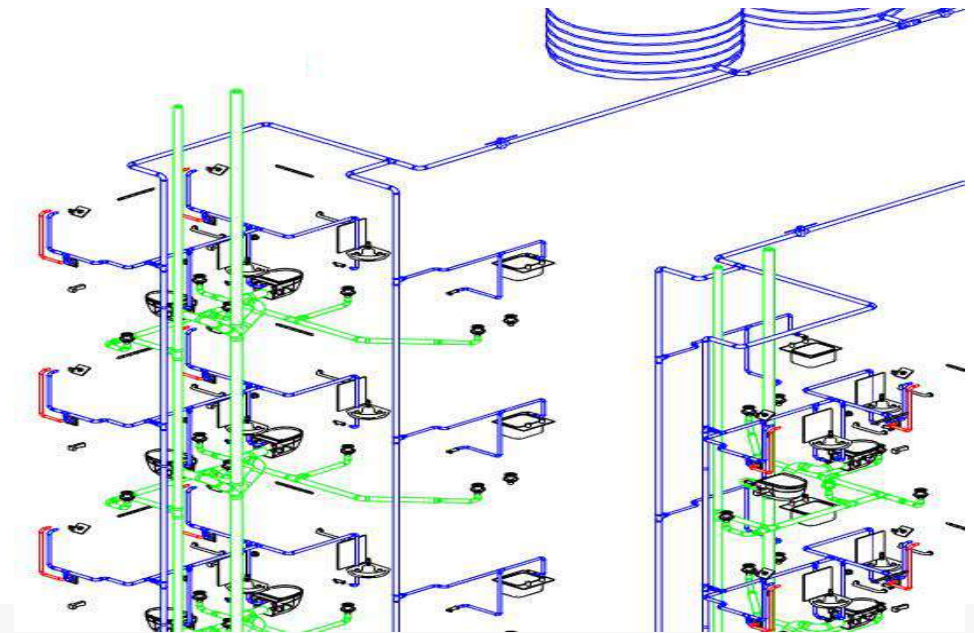
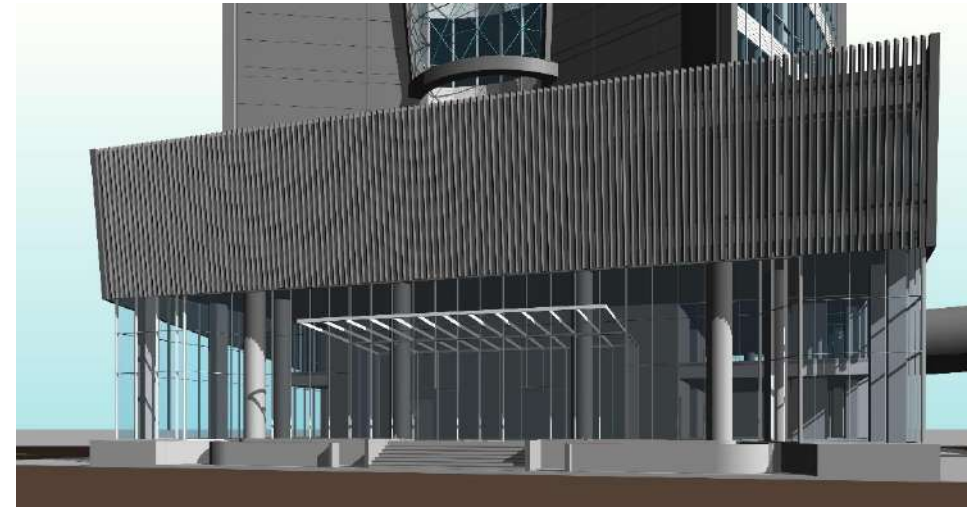
Residential Project in Kalyan, Mumbai.
19,82,563 Sq. Ft.



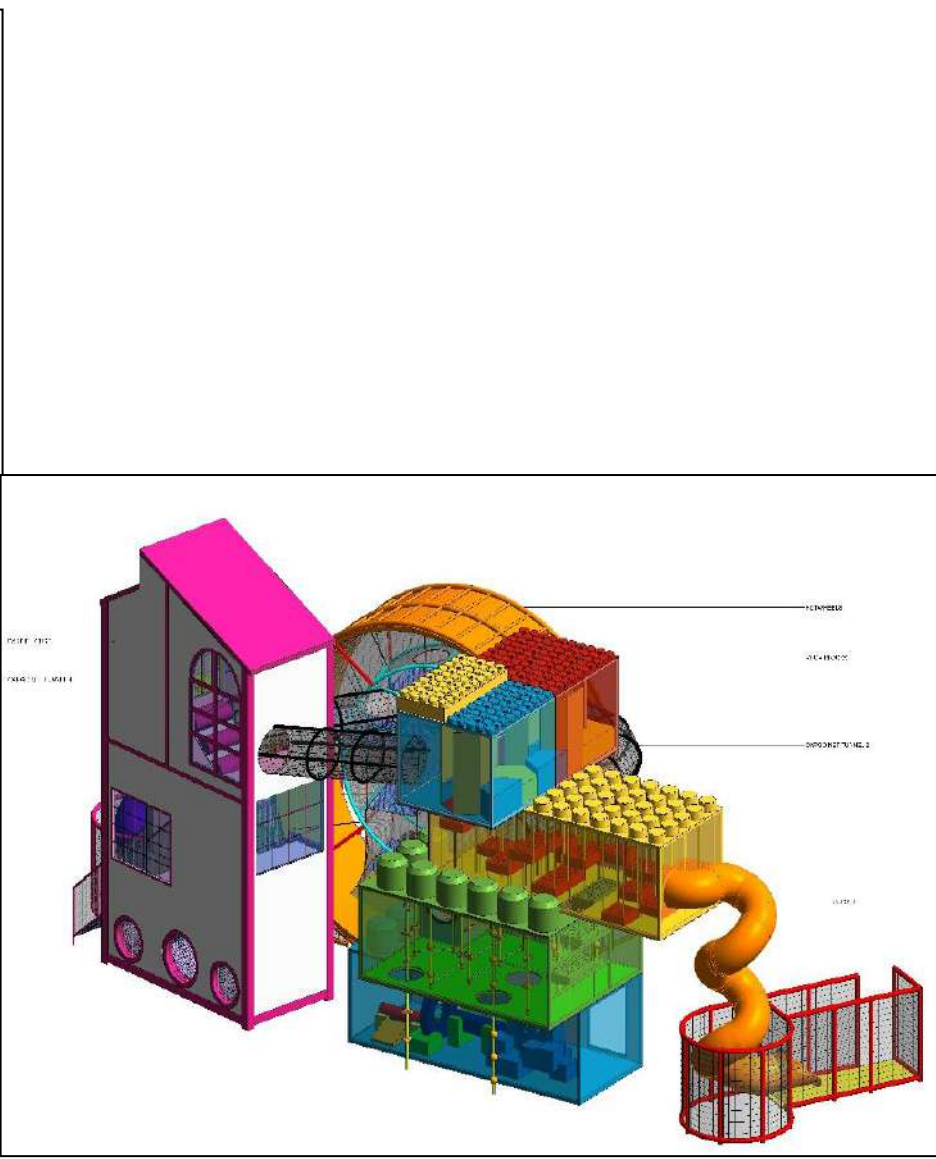
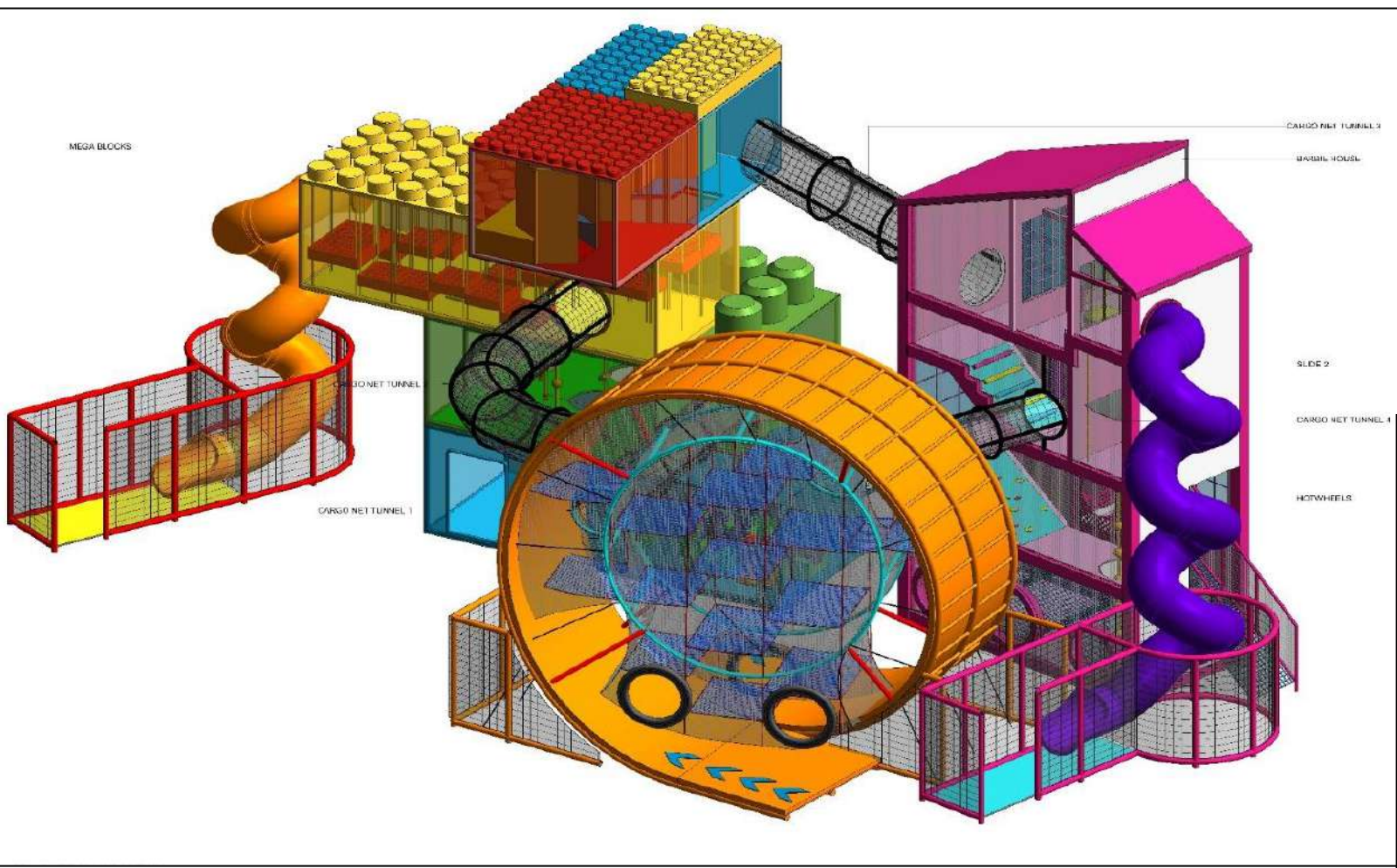
Residential Project in Kalyan, Mumbai.
19,82,563 Sq. Ft.



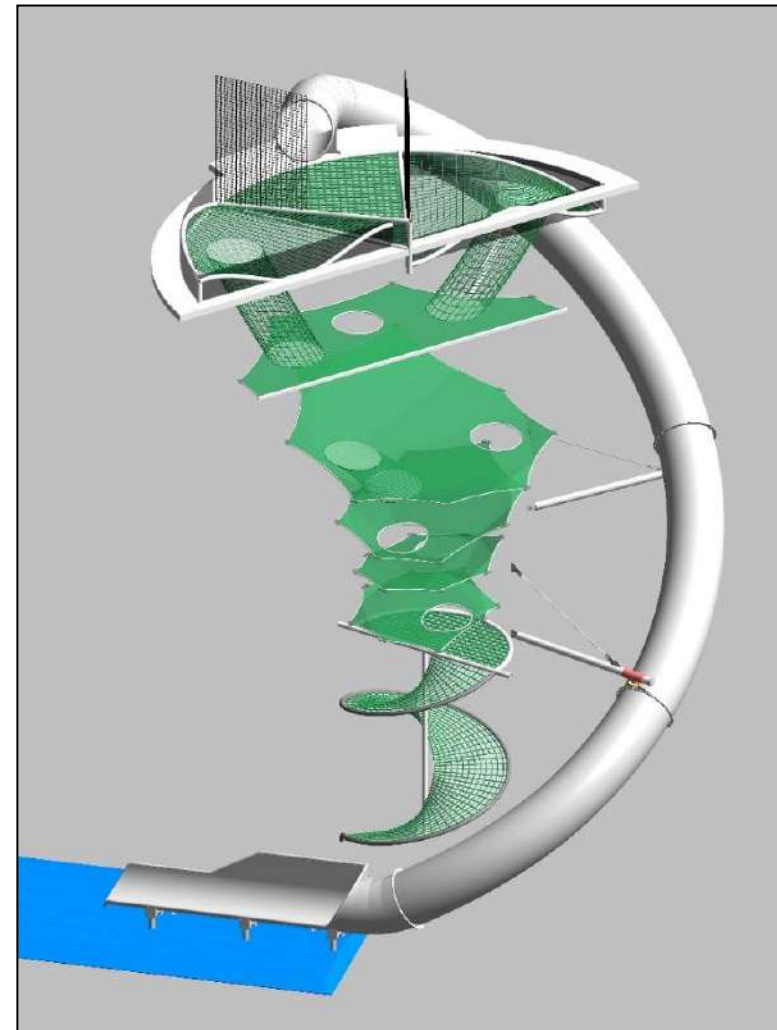
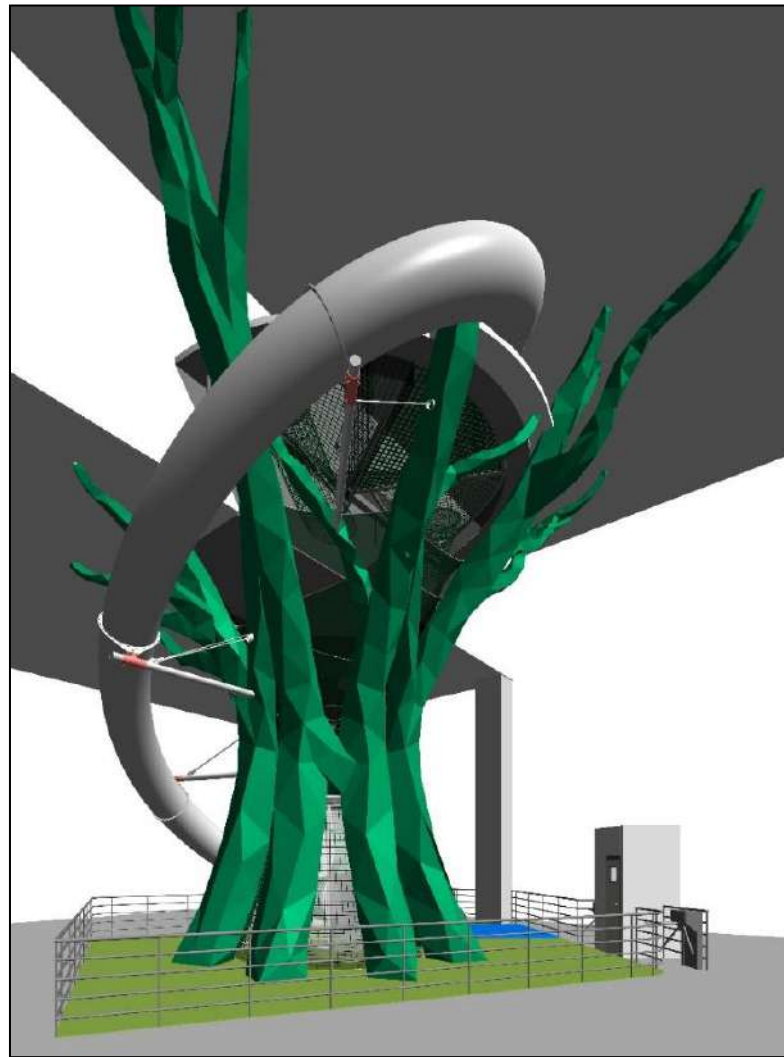
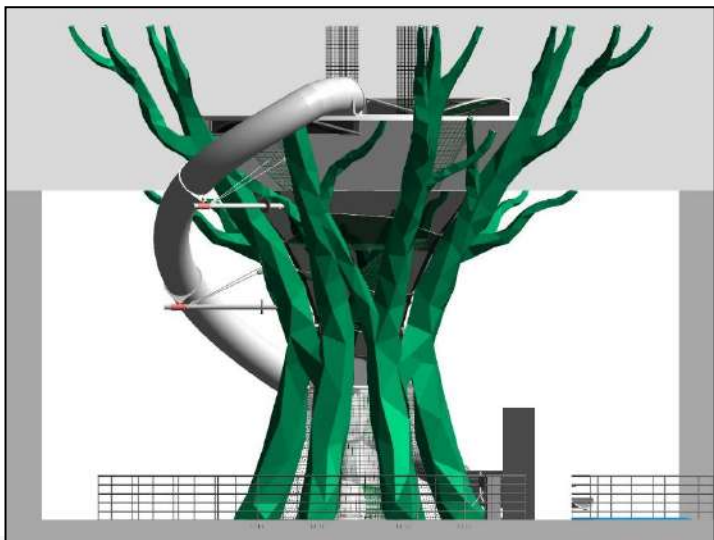
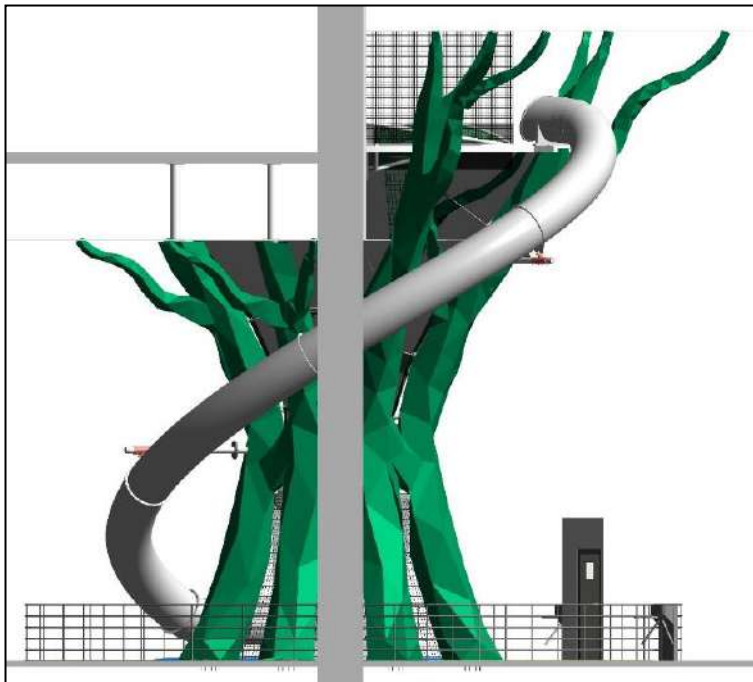
Residential Project in Nehru Nagar, Ahemedabad
3,70,577 Sq. Ft.



Commercial Project in GIFT City Gandhinagar
31,267.03 Sqm

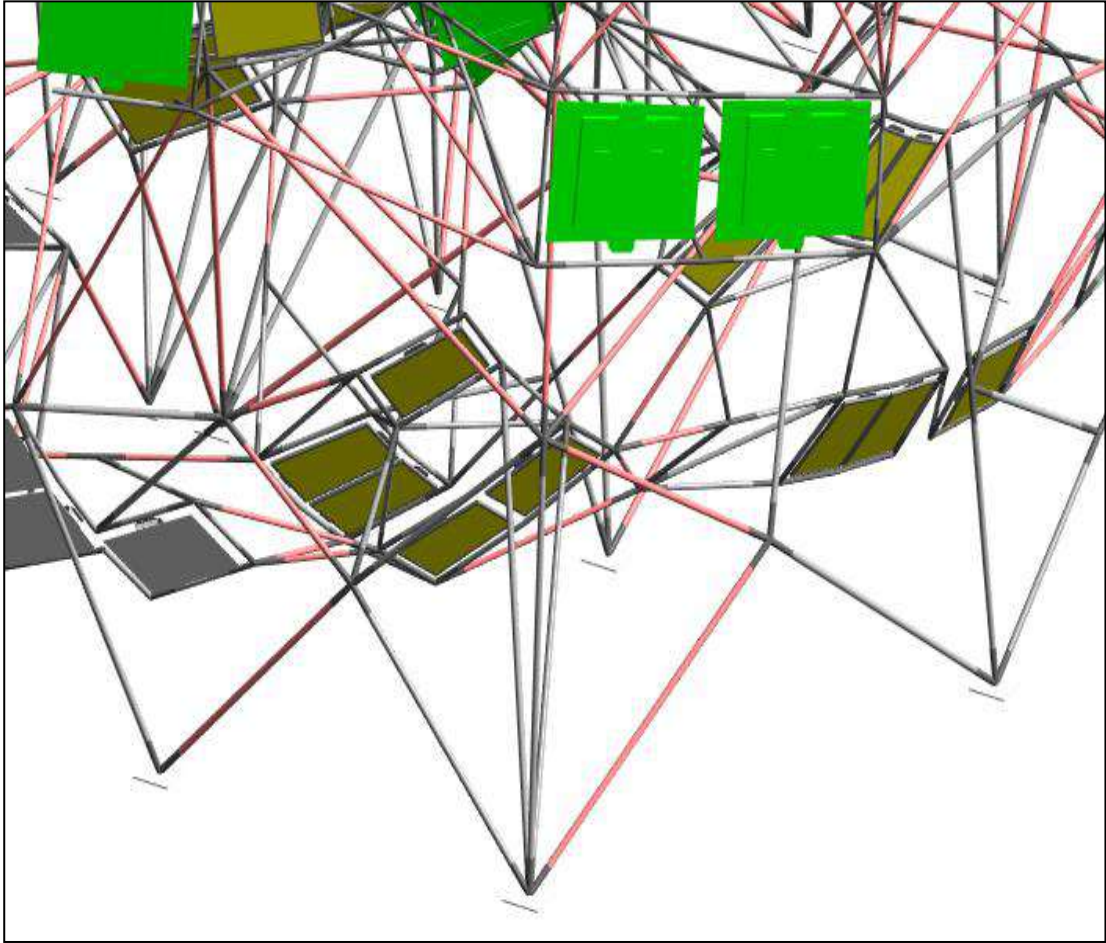
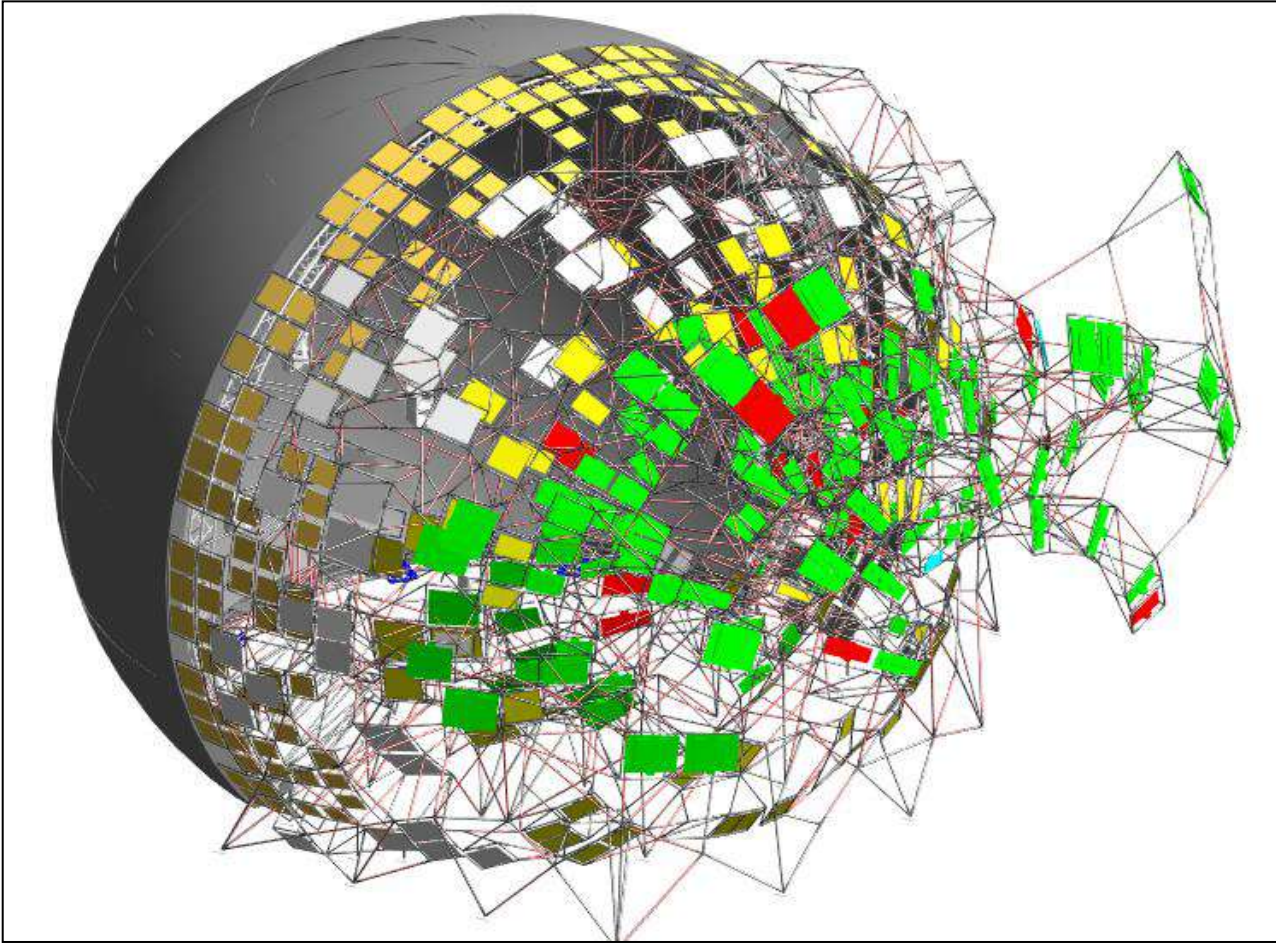


Mattel (Abu Dhabi-UAE)



Tree of Life (Magic Island Bahrain)

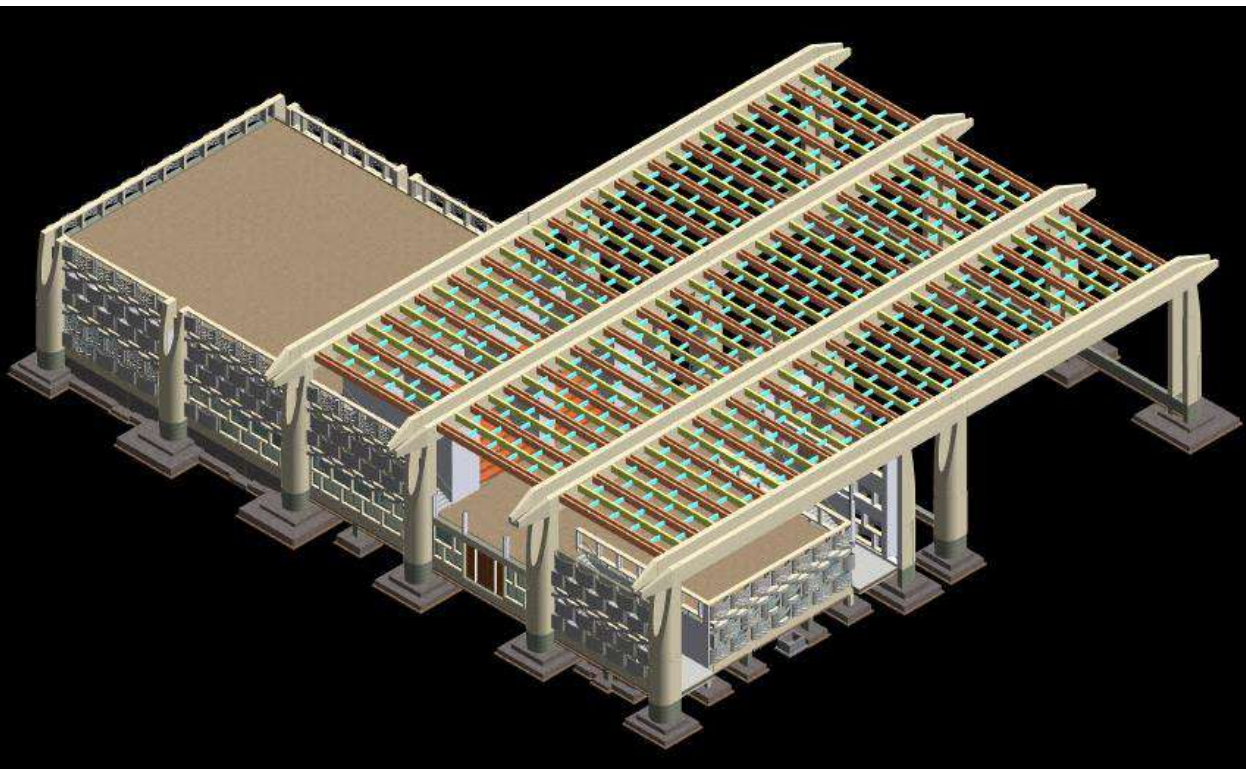
ingrain



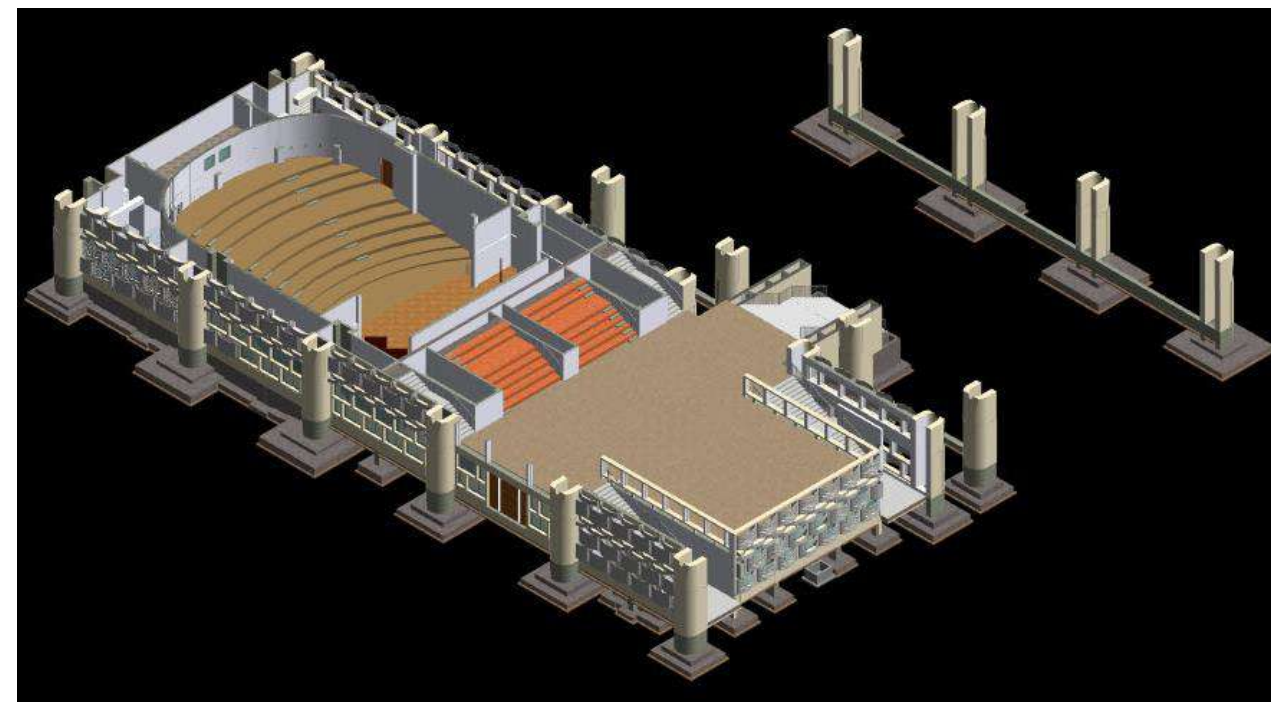
Mobility Pavilion (Expo-2020 Dubai-UAE)



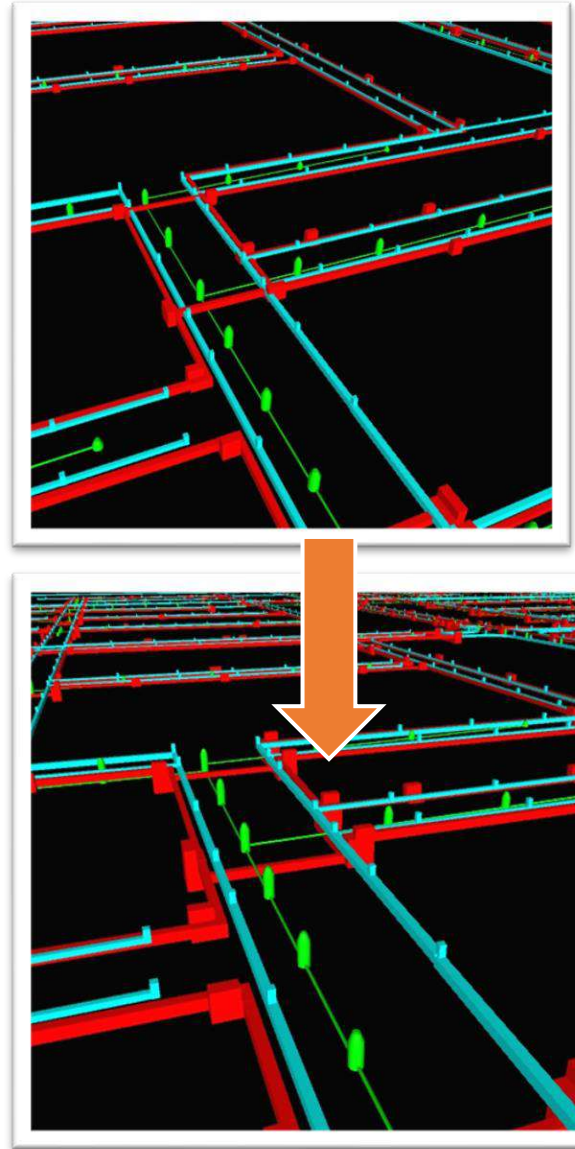
Burj Ashrafi Mumbai.
98,650 Sq. Ft.



RSU (Block-A) Auditorium
53,800 Sq. Ft..



Clash free model

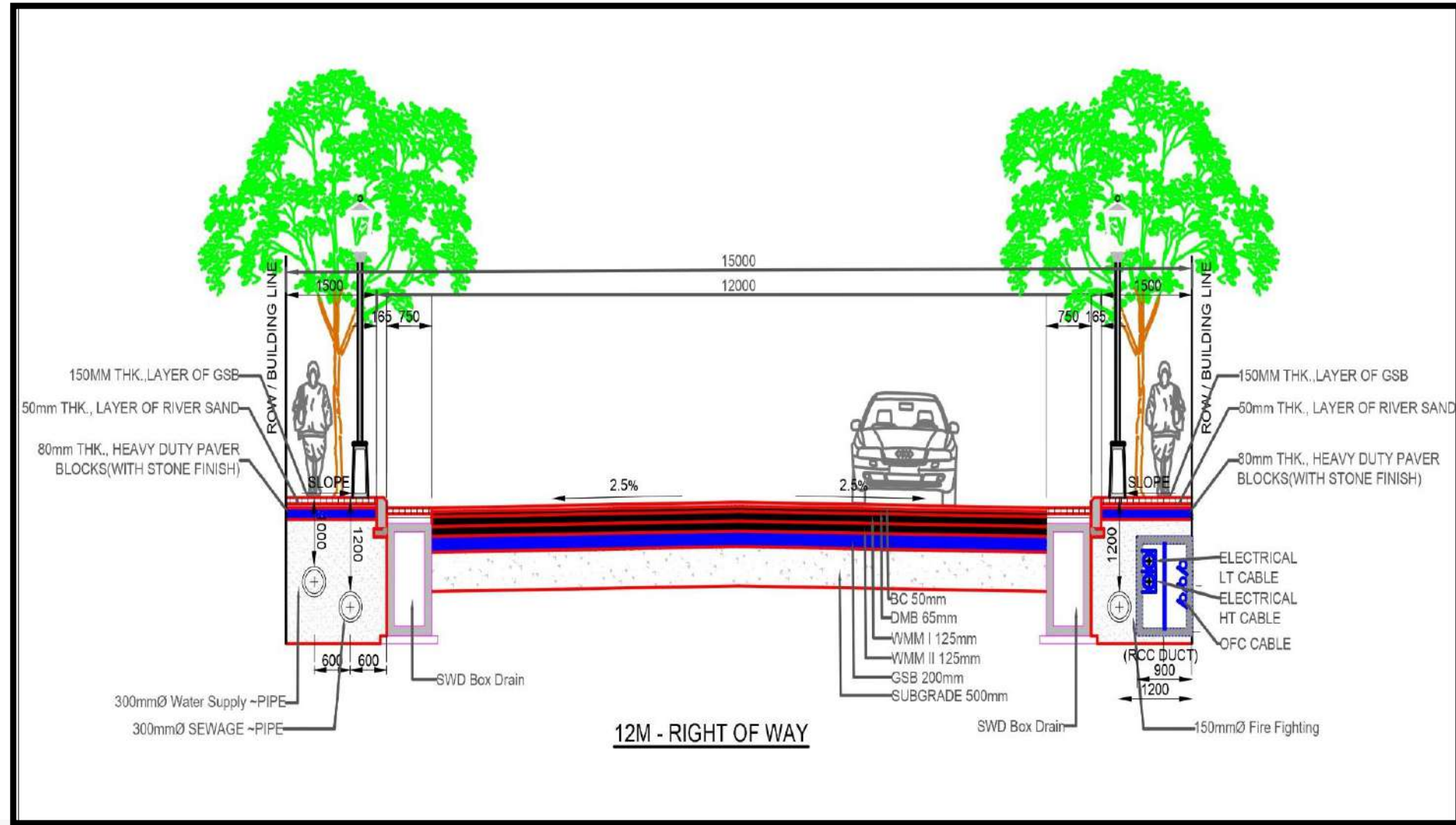


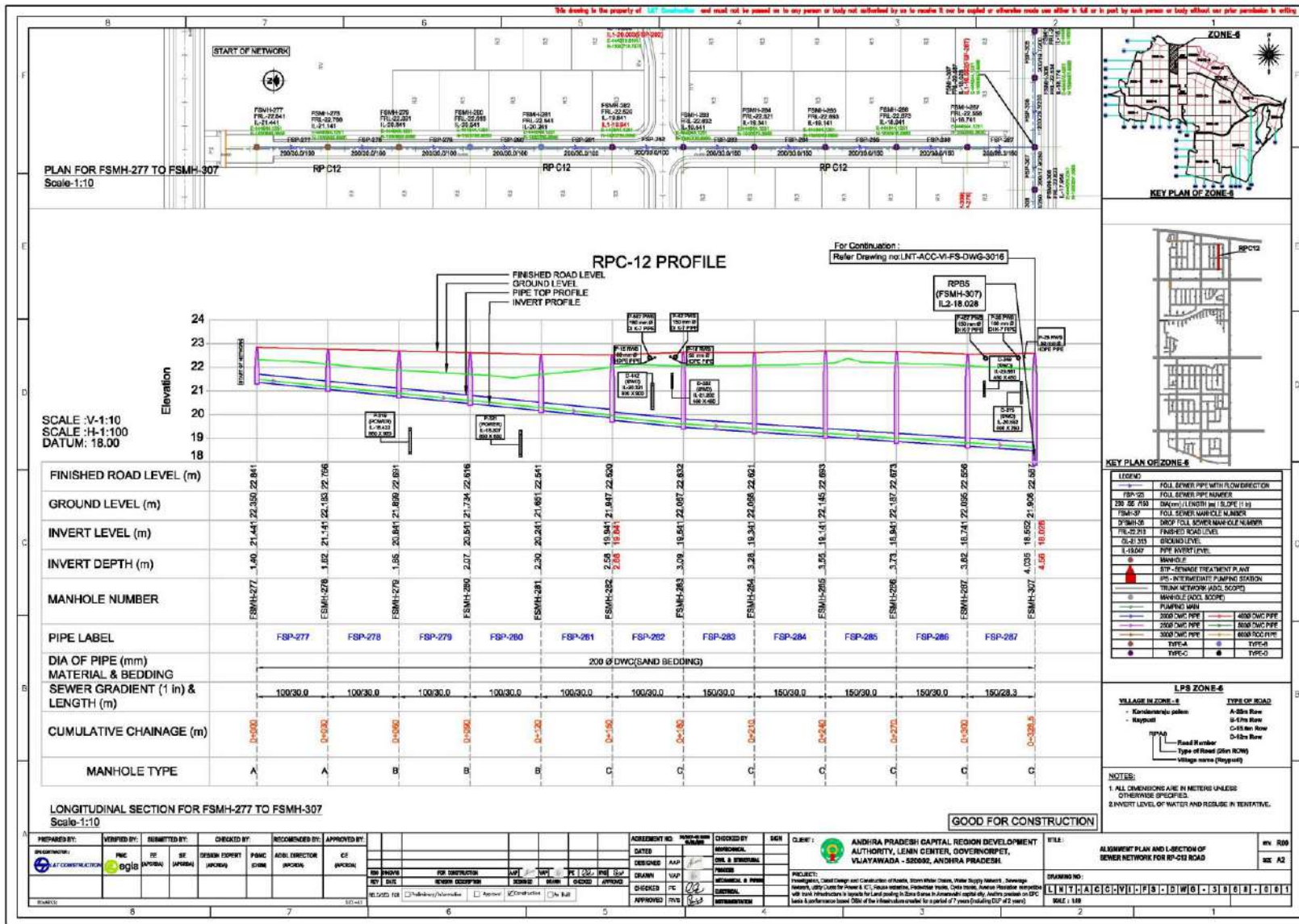
❑ Clash Analysis of City Infrastructure



➤ Typical Road cross Section

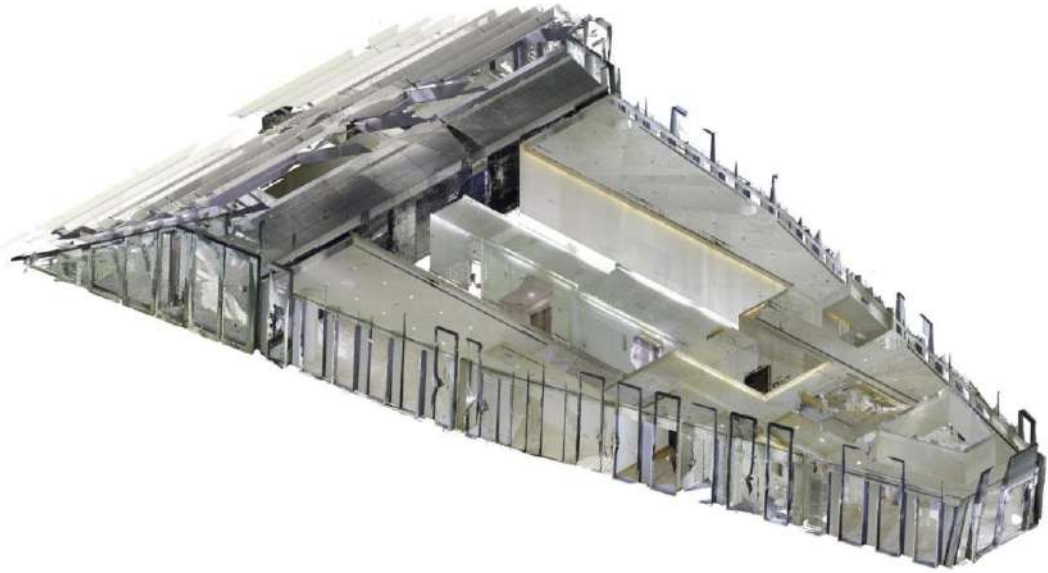
12 m Road



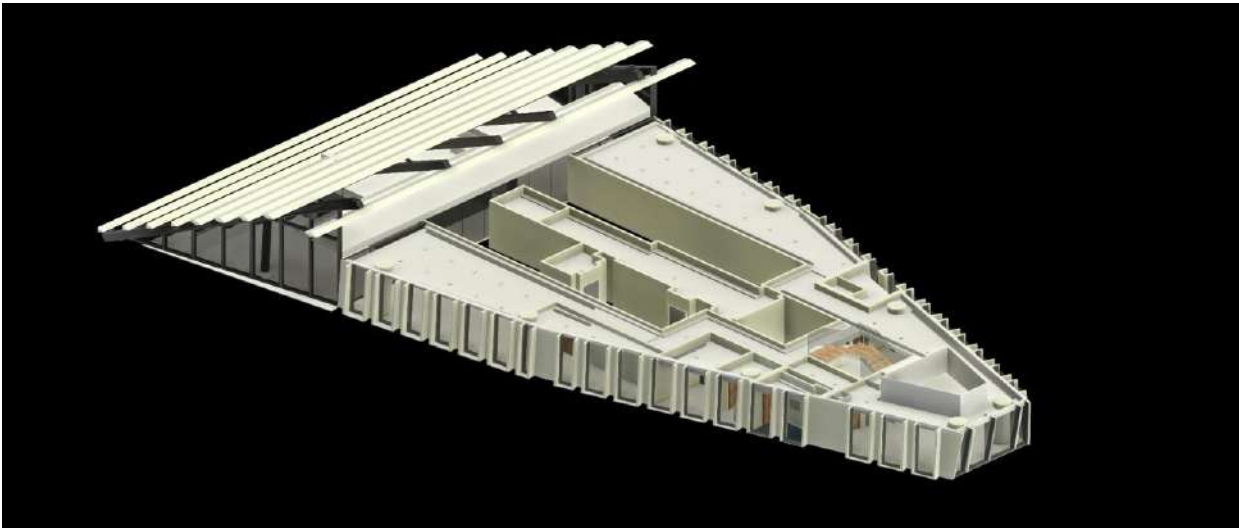
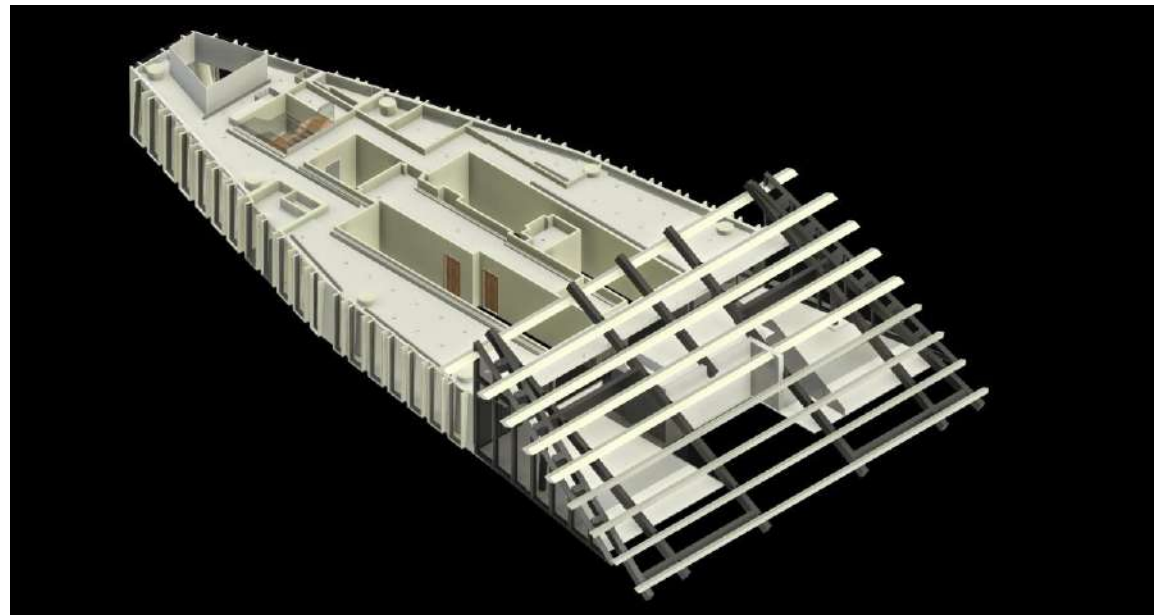


Amravathi Zone-6 L-Section





**Point Cloud model for Scan To BIM Project
in Riyadh, Saudi Arabia**



Point Cloud model Converted to BIM from Point cloud model in Riyadh, Saudi Arabia



iONE Team for BIM & 1MNT

| Sr. No. | Name | Designation | Qualifications | Experience (yrs) |
|---------|-------------------|---------------------|----------------|------------------|
| 1 | Ravin Desai | Director | M.S. | 19 |
| 2 | Prakash Bajaj | Senior Associate | M.S. | 50 |
| 3 | Patricia Soloman | Senior Associate | | 48 |
| 4 | Farhan Shaikh | Senior Architect | B.Arch | 11 |
| 5 | Jayesh Purohit | Team Leader | B.E. | 10 |
| 6 | Atul Purani | MEPF Designs | M.E. | 13 |
| 7 | Vimal Patel | Design Modeller | DCE | 19 |
| 8 | Dhaval Gandhi | Design Modeller | ITI | 16 |
| 9 | Jay Desai | Design Engg. | M.E. | 8 |
| 10 | Nadeem Ansari | Project Coordinator | | 9 |
| 11 | Vidhya Patel | BIM- Modeller | B.E. | 5 |
| 12 | Nidhi Salunke | Q.S. | B.E. | 5 |
| 13 | Ilaxiben Patel | BIM- Modeller | I.T.I. | 12 |
| 14 | Priya Lad | BIM- Modeller | D. Arch. | 14 |
| 15 | Rahul Patel | BIM- Modeller | DCE | 15 |
| 16 | Bhumika Patel | BIM- Modeller | D. Arch. | 10 |
| 17 | Divyangbhai Patel | BIM- Modeller | I.T.I. | 8 |
| 18 | Ruchi Patel | BIM- Modeller | B.E. | 3 |
| 19 | Nidhi D Patel | Q.S. | B.E. | 6 |
| 20 | Chintan Desai | BIM- Modeller | B.E. | 2 |
| 21 | Maitri Patel | BIM- Modeller | B.E. | 3 |
| 22 | Twinkle Patel | BIM- Modeller | I.T.I. | 5 |
| 23 | Meenaben Patel | BIM- Modeller | DCE | 23 |
| 24 | Priyanka Patel | BIM- Modeller | D. Arch. | 14 |

Thank You



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