COMPANY
PROFILE

JANASUBHA CONSTRUCTION

#DISCOVERNEWHORIZON

JANASUBHA
CONSTRUCTION
DISCOVER NEW HORIZON

ABOUT US

At Janasubha Construction, we specialize in delivering innovative and reliable construction solutions tailored to meet theuniqueness of our clients. With a strong foundation in quality craftsmanship and afirm commitment to excellence, we bring your visions to life through moderntechniques and practical expertise.

From concept to completion, we stand by your side as a trusted partner for guiding, managing, and executing each phase with precision and care. Whether it's residential, commercial, or consultation-based services, Janasubha Construction is dedicated to building not just structures, but lasting trust and value.

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OUR SERVICES

DESIGN SERVICES

Expert architecture, structure, and MEP design,construction and consultation services.

BUILDING CONSTRUCTION

Reinforced concrete and steel buildingconstruction.

STRUCTURAL INSPECTION

Comprehensive structural checkups designed to keep your building secure.

SITE SUPERVISION

Dedicated oversight to ensure quality and precisionon-site.

STRUCTURAL STRENGHENING

Enhancing structural capacity for safer, longer-lasting performance.

TRAINING

Professional training and workshops for skill development.

OUR VISION

To be the trusted and preferred construction company in Nepal, renowned for our commitment to quality, innovation, and sustainability.

OUR MISSION

To deliver high-quality, innovative, and sustainable construction solutions, fostering long-term relationships with our clients and contributing to the nation's development.

OUR VALUES

- Commitment to quality in every project we undertake
- Innovation in design, construction techniques and materials
- Timely delivery without compromising on standards
- Cost effective design and construction practices
- Client satisfaction as our ultimate measure of successCompany

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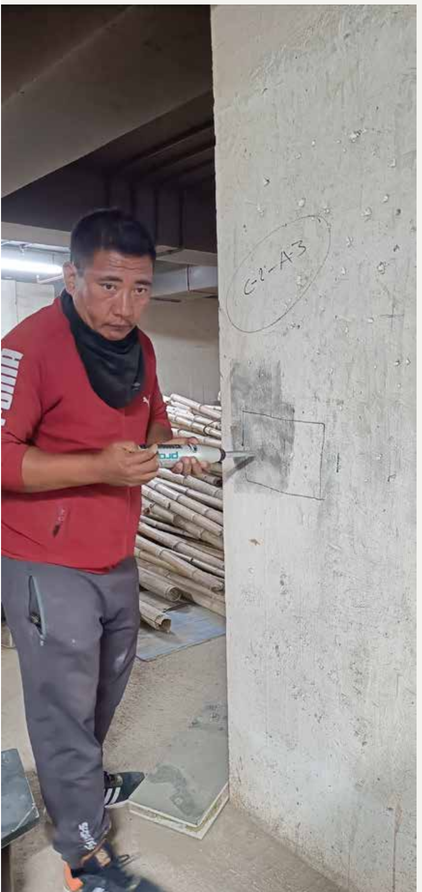

JANASUBHA
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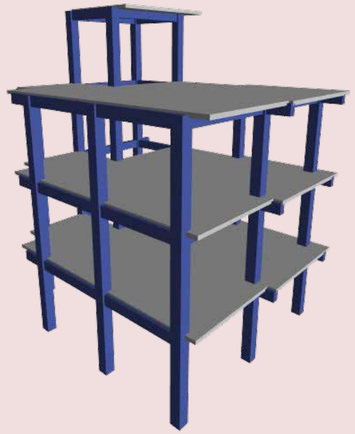
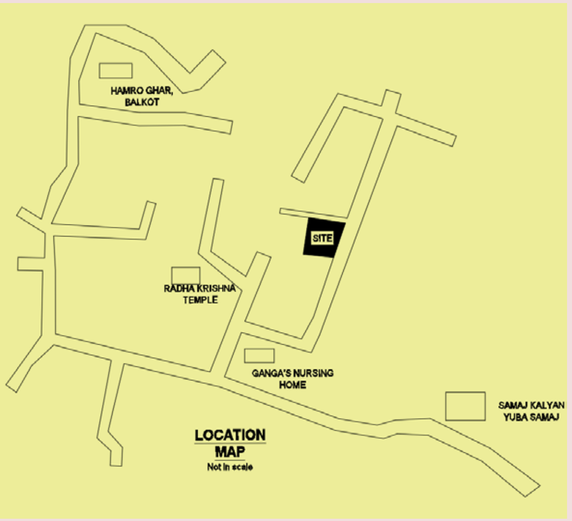
OUR PROJECTS

Explore our diverse portfolio of construction projects, showcasing our expertise and commitment to quality.

RESIDENCE AT BHAKTAPUR





Type
Residential Building

Location
Radha Krishna Temple

Year Completed
2025

Overview

This residential building in Bhaktapur (G+2 stories) combines traditional architectural elements with modern structural design to create a functional, resilient home. The compact layout includes a ground floor for communal spaces and upper floors for private family areas, with large windows ensuring natural light and ventilation.

This residential home in Bhaktapur is thoughtfully planned to support comfortable family living, with a strong focus on safety, practicality, and long-term value. From efficient space planning to a structurally sound and cost-conscious design, the project brings together comfort, reliability, and everyday functionality in a well-balanced home.

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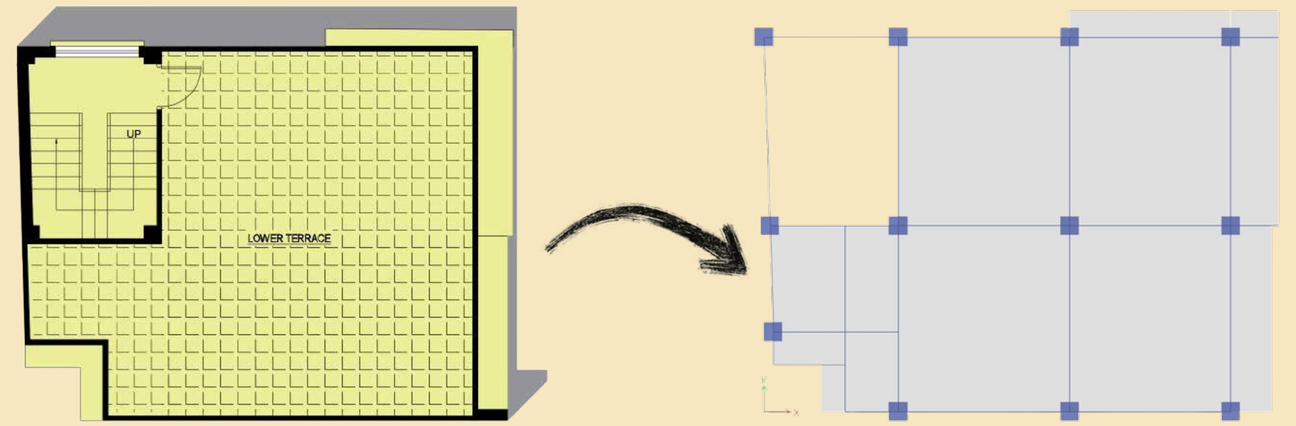
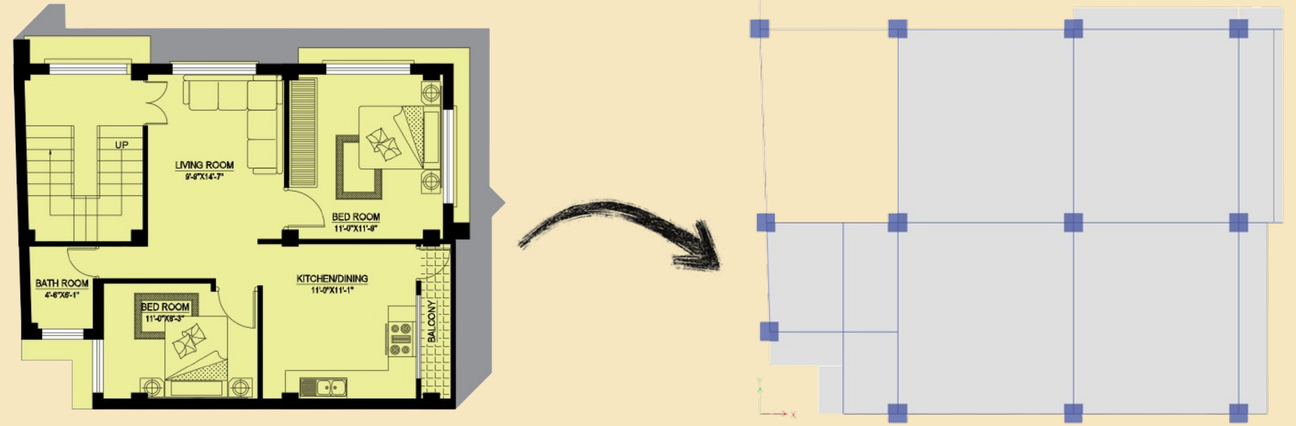
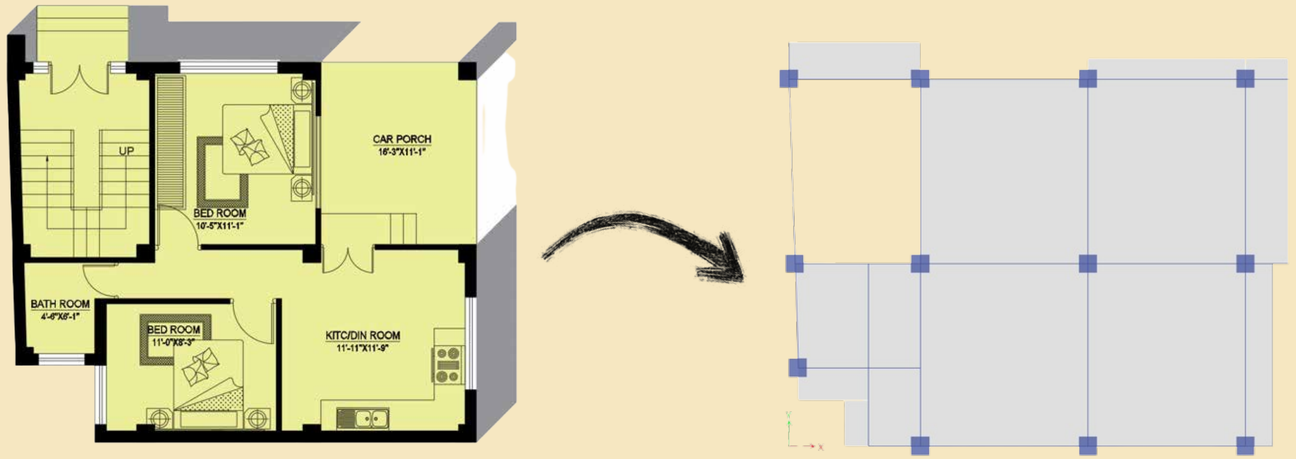
ARCHI







STRUCTURE

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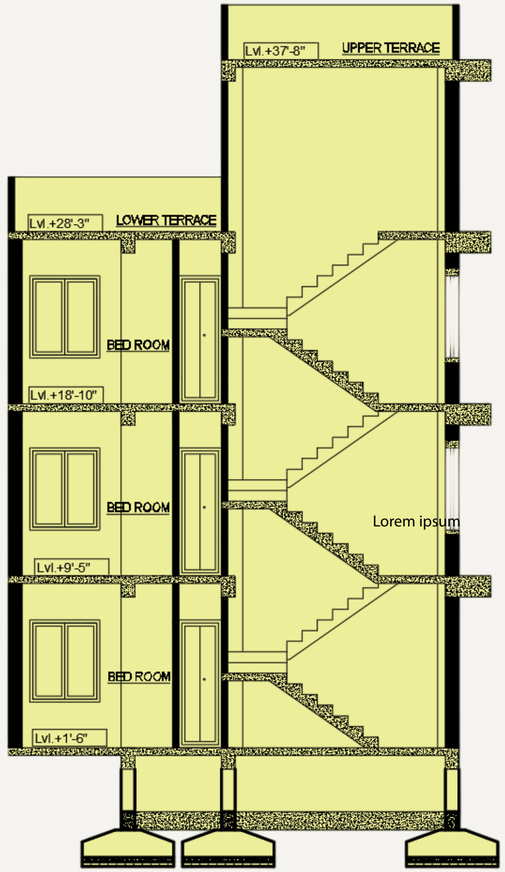
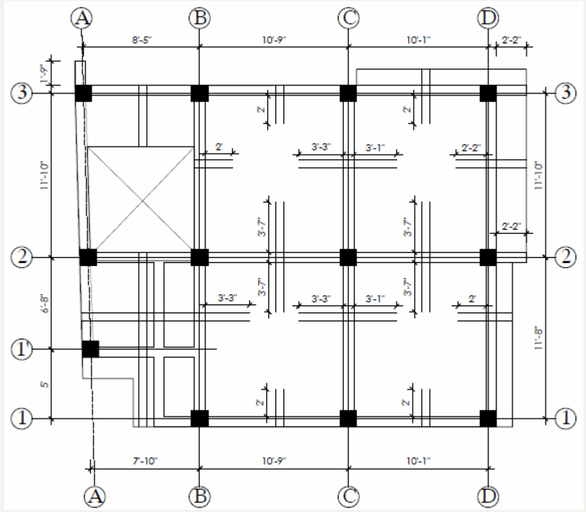
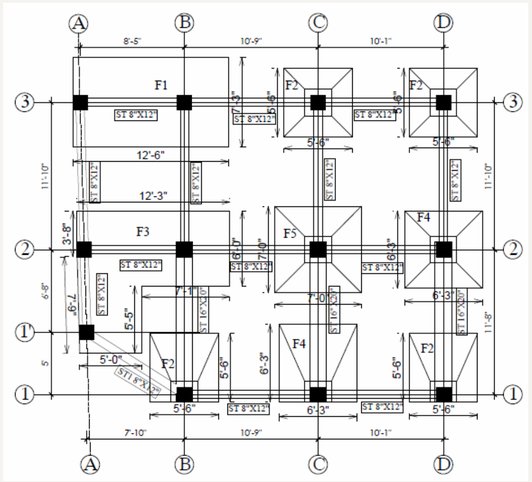
RESIDENCE AT BHAKTAPUR







Overview

This residential building in Bhaktapur, the project emphasized structural integrity, regulatory compliance, and practical constructability. The architectural layout was coordinated with structural requirements to ensure efficient load paths, clear column grids, and constructible designs, while providing functional spaces for family living.

The building employs a reinforced concrete frame with brick masonry infill, designed and analyzed according to current seismic codes and codal provisions. The superstructure and foundation were modeled using ETABS and SAFE, enabling precise analysis of lateral loads, member forces, and foundation performance. Columns, beams, and joints were carefully detailed to resist seismic loads and ensure overall stability, while structural members were optimized for safety, durability, and material efficiency.

All drawings, calculations, and technical documentation were prepared for Nagarpalika approval, ensuring full compliance with local bylaws. Coordination throughout the approval process minimized revisions and facilitated timely clearance.

Practicality and cost-effectiveness were key considerations throughout the project. Use of locally available materials and standard construction techniques allowed for efficient on-site execution, reduced construction errors, and enhanced long-term performance. The result is a safe, resilient, and economically efficient residential structure that meets both regulatory and client expectations.

08 SIMILAR PROJECTS

RANIBAN RESIDENCE

Type	Location	Year Completed
Neo-classical building	Raniban, Balaju	2024

This project involves a four-storey neo-classical building with a total built-up area of approximately 2,742 sq.ft., located at Raniban, Balaju. The architectural design adopts neo-classical principles, characterized by balanced proportions, symmetry, and refined classical detailing, while integrating modern spatial planning and functional requirements. The architectural concept emphasizes elegance and permanence without compromising practicality.

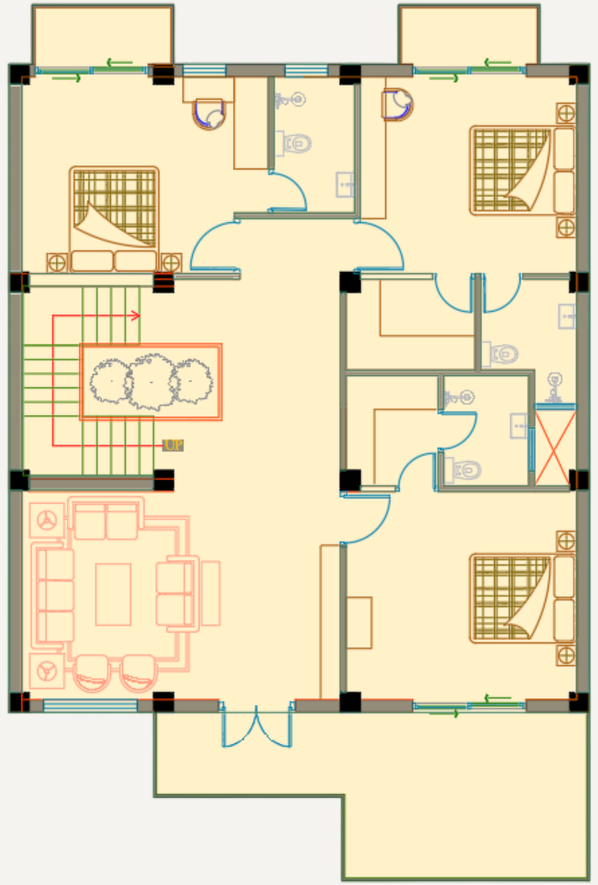
Comprehensive structural design was carried out in coordination with the architectural intent to ensure safety, efficiency, and constructability. The structure was designed to meet relevant design codes and local site conditions, resulting in a well-integrated solution where architectural expression and structural performance are effectively aligned.

BUNGMATI HOME

Type	Location	Year Completed
Residential Building	Bungmati, Lalitpur	2024

This project comprises a four-storey luxury residential building with a total built-up area of approximately 4,556 sq.ft., situated in Bungamati, Lalitpur. The design approach focuses on creating a high-end residential environment that balances aesthetic refinement with comfort and functionality. Spatial layouts are planned to maximize natural light, ventilation, and privacy, while maintaining a strong architectural identity appropriate to the surrounding context.

Both architectural and structural designs were developed as part of an integrated process. The architectural design emphasizes quality finishes, proportioned spaces, and contemporary residential living standards, while the structural system is engineered to ensure strength, durability, and compliance with applicable design codes. The result is a cohesive and well-coordinated luxury residence that translates design intent into a safe and constructible built form.



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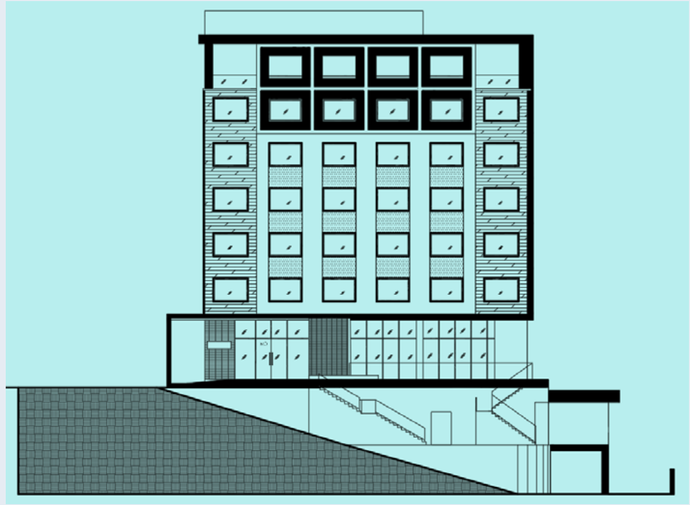
BAGLUNG HOTEL



Type
Commercial complex

Location
Baglung, Nepal

Year Completed
2024

Overview

Baglung Hotel is a premium commercial hospitality project located in Baglung, Nepal, a key urban center that serves as a gateway to the mid-hill regions and an important junction for tourism, trade, and regional connectivity. The hotel is strategically positioned to cater to the growing flow of domestic and international visitors, business travelers, and tourists exploring western Nepal. Its presence contributes significantly to strengthening the local hospitality infrastructure and supporting the region's economic and tourism development.

The project comprises a ground plus seven-storey structure with a total built-up area of 2,646.663 sq.m, designed as a luxurious hotel facility. In addition to well-planned accommodation and service spaces, the complex includes a swimming pool, enhancing its recreational and lifestyle appeal. The architectural and structural design emphasizes functionality, comfort, and durability, while addressing the demands of a high-end hospitality environment.

ARCHITECTURAL DESIGN

The architectural design of the Baglung Hotel was conceived to reflect a balance between modern luxury, functional efficiency, and contextual sensitivity. The design process commenced with a detailed assessment of the site, including access points, surrounding developments, orientation, and climatic conditions specific to Baglung. These factors informed the overall planning and massing of the ground plus seven-storey structure, ensuring that the building responds appropriately to its urban context while establishing a strong visual identity. Careful zoning was adopted to clearly distinguish public areas such as the lobby, restaurant, and common facilities from semi-private and private zones, including guest rooms and service areas, thereby enhancing operational efficiency and user comfort.

The architectural expression emphasizes contemporary design principles with a refined façade treatment suitable for a high-end hospitality facility. Openings, balconies, and glazing were strategically positioned to maximize natural daylight, ventilation, and views, while also contributing to the building's aesthetic character. Interior planning focused on creating welcoming, spacious, and well-organized environments, with particular attention given to guest room layouts, circulation corridors, and vertical transportation. Recreational and leisure facilities, including the swimming pool, were seamlessly integrated into the overall architectural scheme to elevate the guest experience and reinforce the hotel's luxurious appeal.

Throughout the project, strong coordination between architectural, structural, and building services disciplines was maintained to ensure design consistency and constructability. The architectural intent was translated into comprehensive drawings, including detailed floor plans, elevations, sections, and material specifications, enabling accurate execution on site. The overall design aims to express elegance, comfort, and durability, while remaining practical and responsive to functional demands, positioning the Baglung Hotel as a distinguished hospitality landmark that contributes positively to the urban and tourism development of the region.

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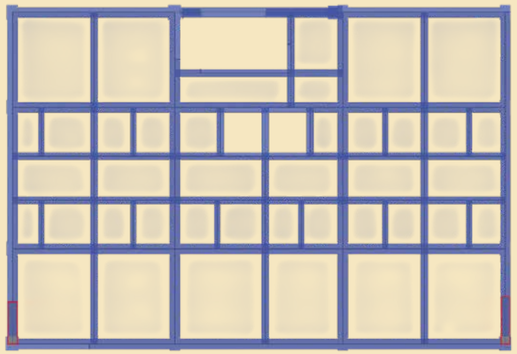
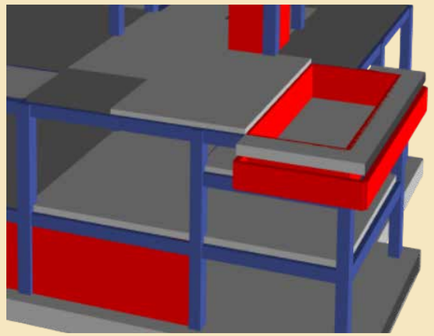
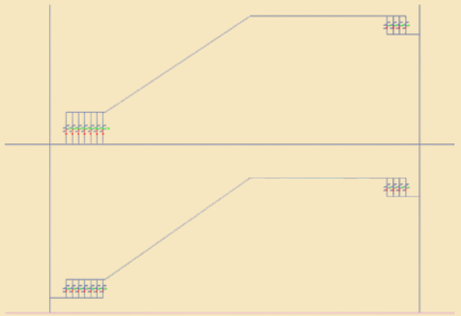
STRUCTURAL DESIGN

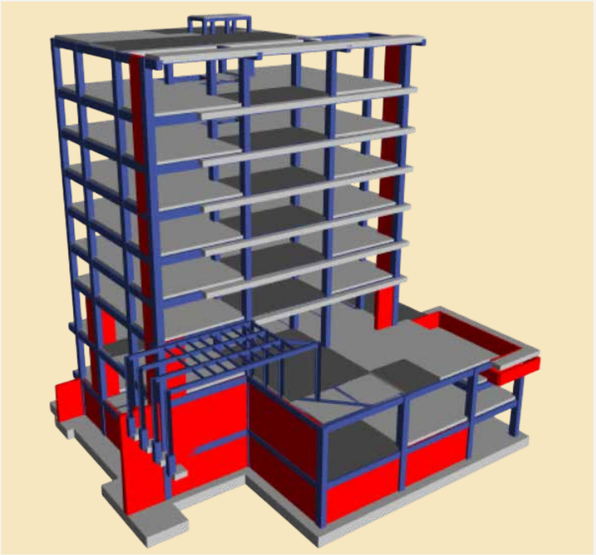
The building was structurally designed following a rigorous and systematic approach, beginning with a thorough review of the approved architectural drawings. A three-dimensional structural analysis model was developed to accurately represent the building geometry, load paths, stiffness distribution, and functional requirements of a ground plus seven-storey reinforced concrete structure. All relevant gravity loads, live loads, seismic loads, and service loads were considered in accordance with the latest provisions of the Nepal National Building Code (NBC) and applicable Indian Standards (IS). The analysis results were carefully evaluated, and critical structural responses such as story drift, member forces, and overall stability were checked to ensure compliance with code-specified limits.

Structurally, the hotel is designed as an RC dual frame system, comprising reinforced concrete moment-resisting frames in combination with strategically placed RC shear walls. This dual system was selected to provide adequate lateral strength, stiffness, and ductility, which is particularly important for seismic performance in the region. The moment-resisting frames contribute to energy dissipation and redundancy, while the shear walls control lateral drift and enhance overall structural stability. Based on the analysis outputs, detailed manual designs were carried out for all primary and secondary structural components, including slabs, beams, columns, shear walls, and foundations, ensuring code-compliant detailing and constructability.





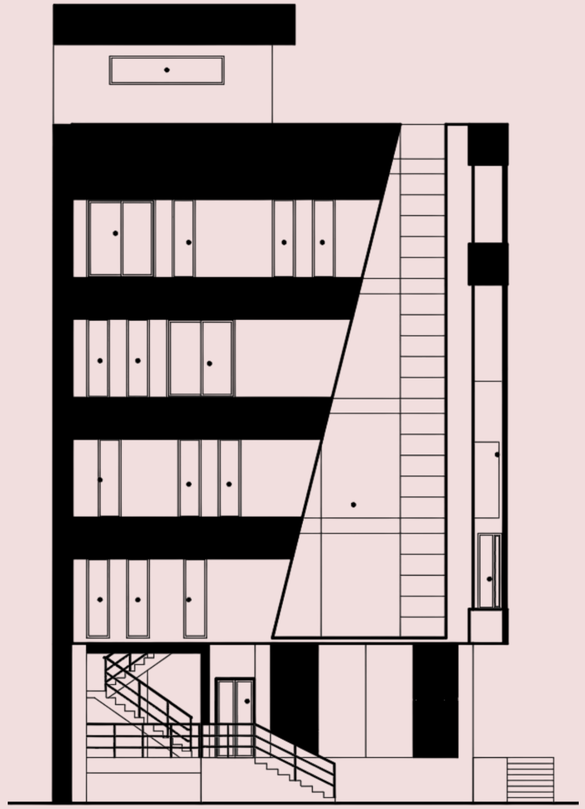




Special consideration was given to the structural design of the swimming pool, where the dynamic effects of stored water were explicitly incorporated. Both impulsive and convective components of hydrodynamic forces were considered in the seismic analysis and design, accounting for the interaction between the water mass and the supporting structure. Appropriate load combinations were adopted to capture these effects under seismic conditions, and the pool walls and base slab were designed to safely resist hydrostatic and dynamic pressures. This comprehensive design approach ensured structural safety, durability, and reliable performance of the hotel under both static and seismic loading conditions.

SIMILAR PROJECTS

COMMERCIAL COMPLEX AT TEKU



Type	Location	Year Completed
Commercial complex	Sahid Marga, Teku	2024

This project involves a commercial complex located at Sahid Shukla Marga, Teku, comprising one basement level and a ground plus five-storey structure with a total built-up area of approximately 8,000 sq.ft. The architectural design emphasizes efficient planning, clear circulation, and flexible commercial spaces, while addressing the constraints of an urban setting. The design approach focuses on functional clarity and durability, ensuring that the building responds effectively to commercial use requirements and its surrounding context.

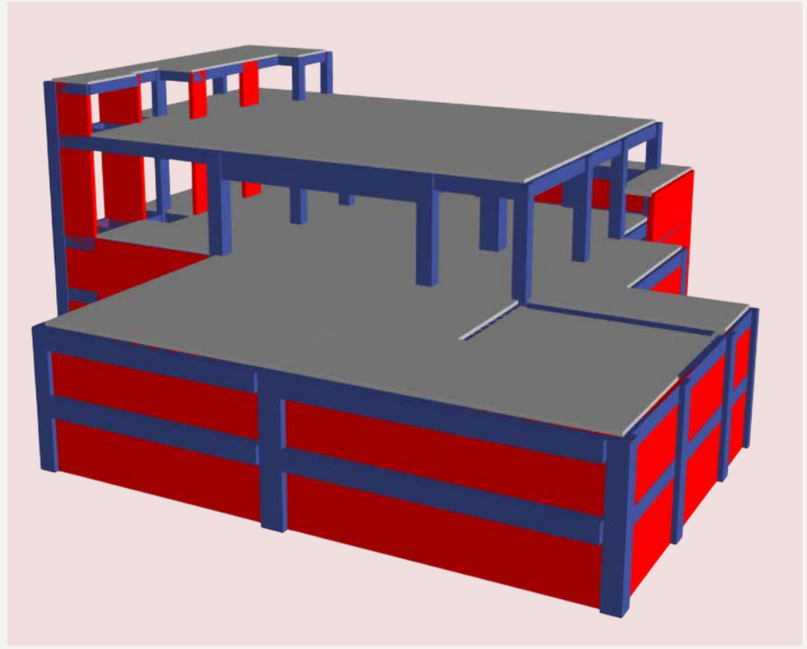
The structural, architectural, and MEP designs were developed in an integrated manner to ensure overall performance and constructability. The structural system was designed in compliance with design codes, incorporating bearing piles and necessary protection works to address site conditions and basement construction requirements. MEP services, including electrical, plumbing, and fire protection systems, were coordinated with the architectural and structural layouts, resulting in a cohesive and efficient building design solution.

CASINO AT BUTWAL

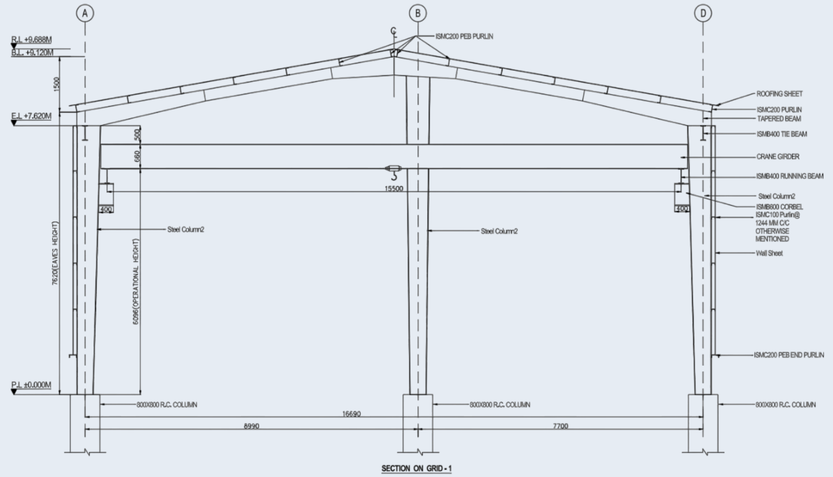
Type	Location	Year Completed
Casino Building	Butwal	2023

This project involves a casino building located in Butwal, Nepal, with a base area of approximately 1,067 m^2 and an additional mezzanine floor. The architectural design was developed to harmonize with the client's requirements, creating an inviting and functional space while ensuring that spatial layouts support gaming, hospitality, and service areas efficiently. The design balances aesthetic appeal with practicality, emphasizing open interiors and circulation that accommodate large crowds.

The structural design was carried out using a reinforced concrete dual wall system to provide the required strength and stability for large-span areas. Coupling beams were incorporated between shear walls to enhance lateral resistance and control deflection, ensuring safety under seismic and gravity loads. The design carefully integrates the structural requirements with architectural intent, allowing expansive open spaces while maintaining structural integrity.



RESUNGA INDUSTRIES



Type

PEB steel structure

Location

Butwal

Year Completed

2025

Overview

This project involved a comprehensive structural analysis using pre-engineered steel structures of warehouse with crane loadings.

The team conducted detailed structural analysis to model the warehouse structure with crane loading and simulate the effects. Furthermore, detailed connection design of steel structure were conducted and detailed drawings were submitted for construction.

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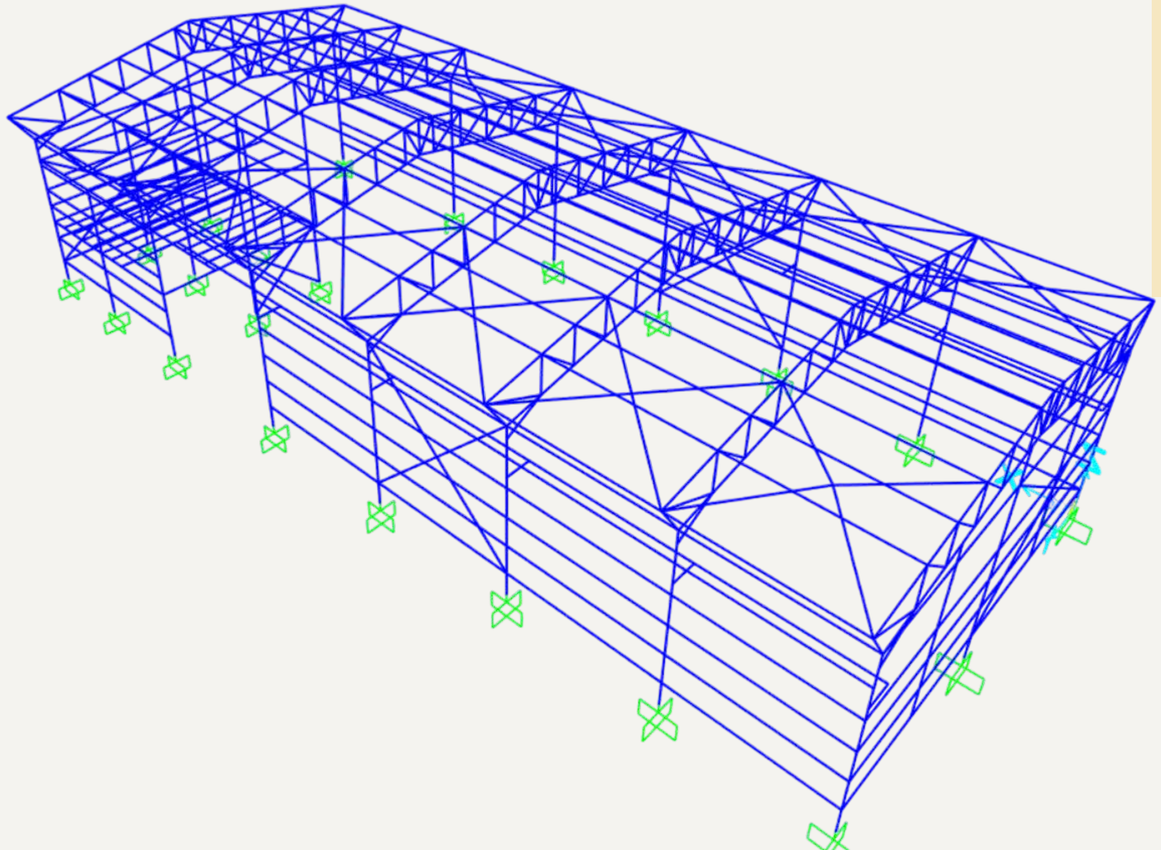
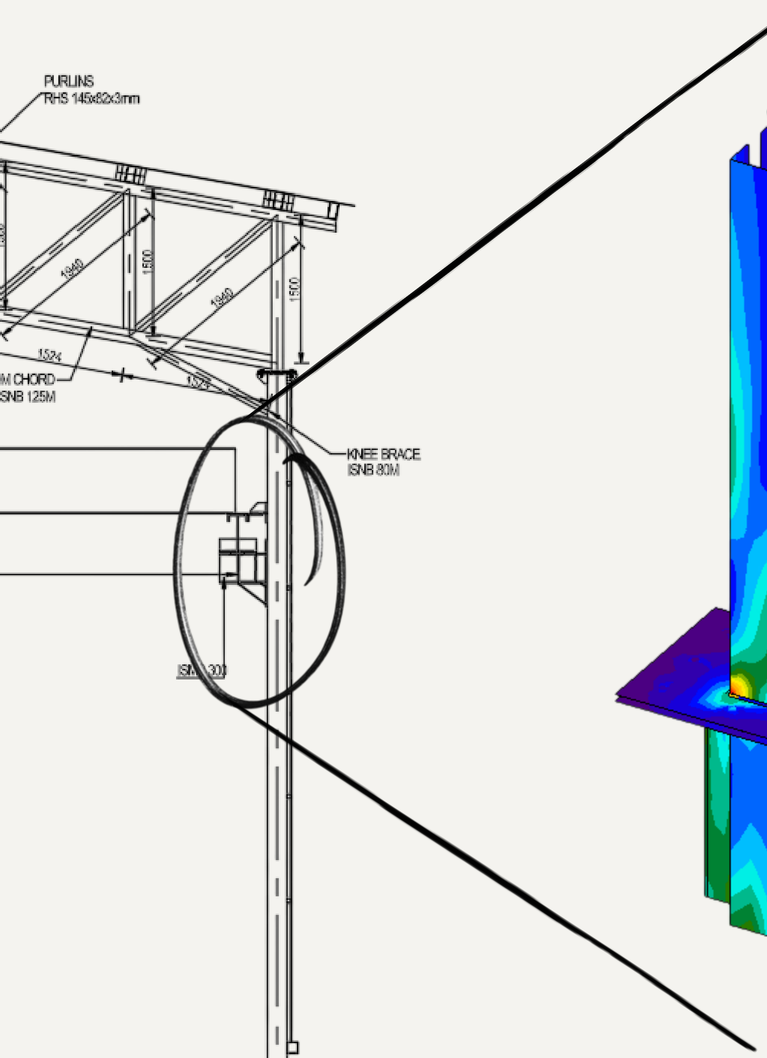
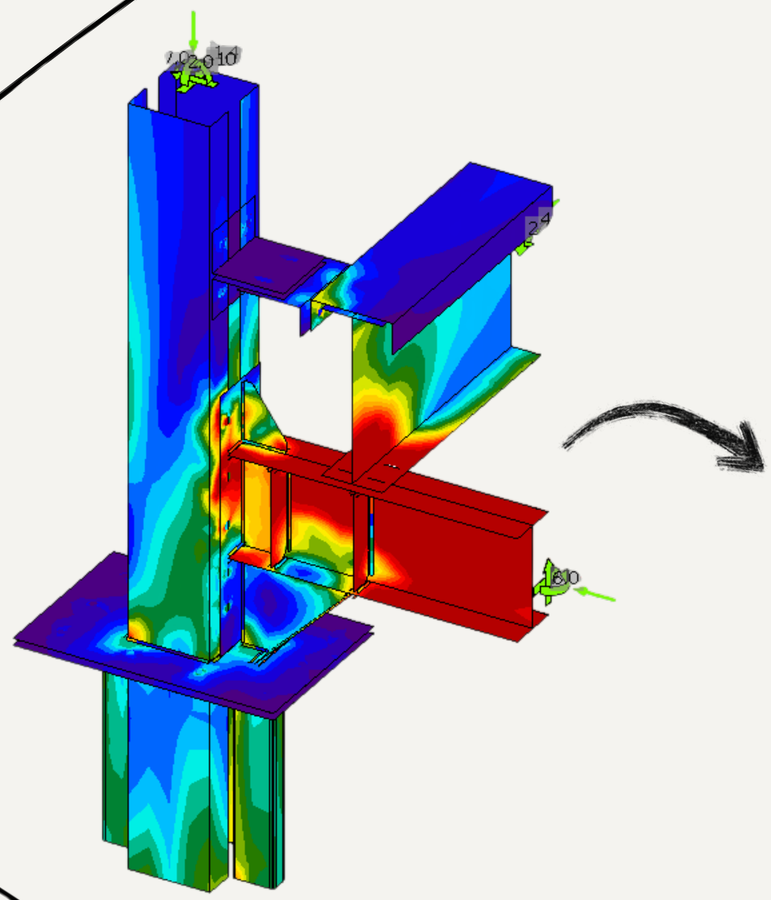
DESIGN OF INDUSTRIAL PEB STRUCTURE

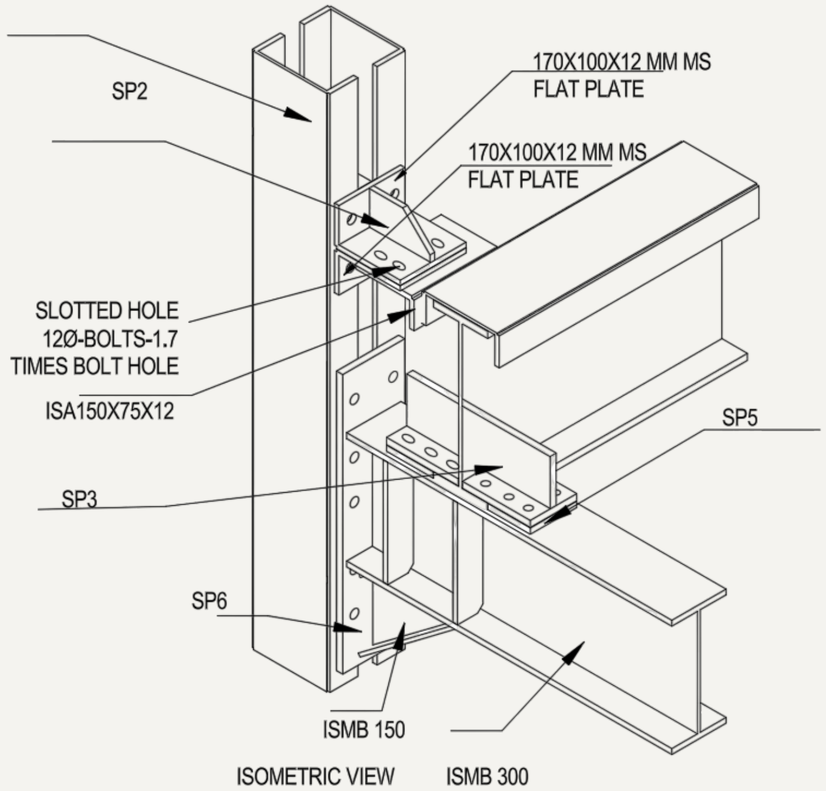


This PEB warehouse was designed to meet the client's requirements for total storage capacity, a movable gantry crane, and integrated office spaces. All operational and dimensional needs were collected from the client to ensure functionality and workflow efficiency. The building was modeled in SAP2000 considering dead, live, wind, earthquake, and crane loads. The design complies with NBC and relevant IS codes, ensuring seismic safety and structural reliability. The PEB system was optimized for constructability, durability, and cost efficiency, with prefabricated steel members facilitating rapid assembly. The layout and crane design were coordinated for smooth operations, resulting in a safe and efficient warehouse structure.

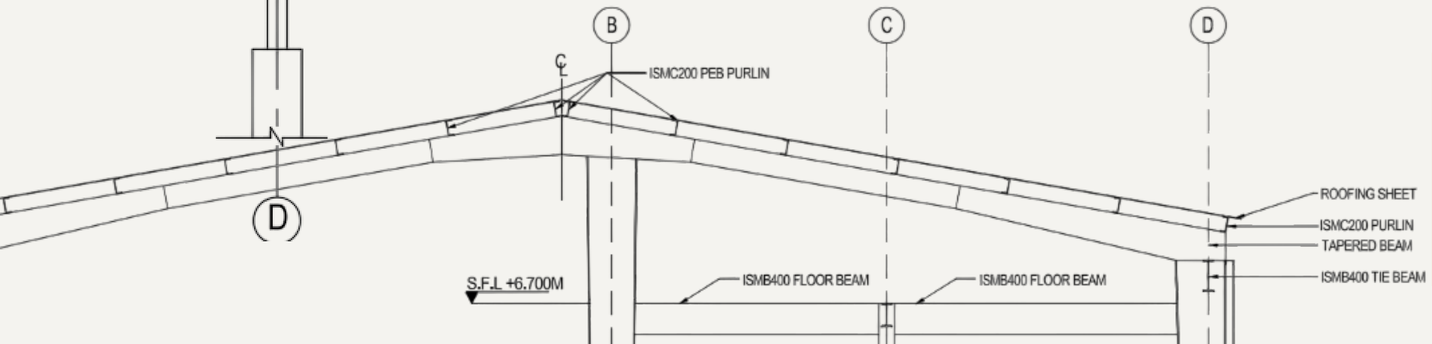
The working drawings were developed to accurately reflect the client's requirements, incorporating detailed provisions for crane positioning, operational clearances, and loading conditions. The design ensures safe and efficient crane operation while maintaining structural stability and functionality, aligning with both practical site constraints and project specifications.







PRECISION IN EVERY DETAILING



After finalizing the global structural design, the connections between individual steel members were meticulously designed in IDEAStatica to satisfy strength, serviceability, and constructability requirements. Detailed connection drawings were then prepared to clearly communicate fabrication and on-site erection requirements, ensuring accurate execution and seamless implementation at the construction site.

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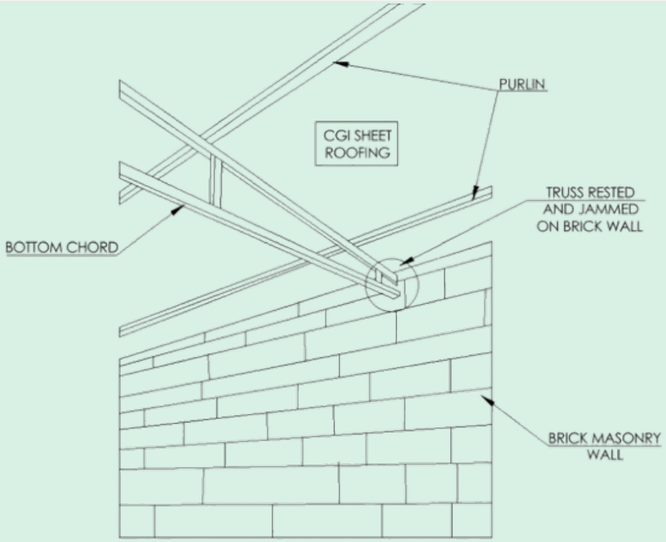
VISHAL PLASTOCABS



Type

Factroy/Warehouse building

Location

Thankot, Kathmandu

Year Completed

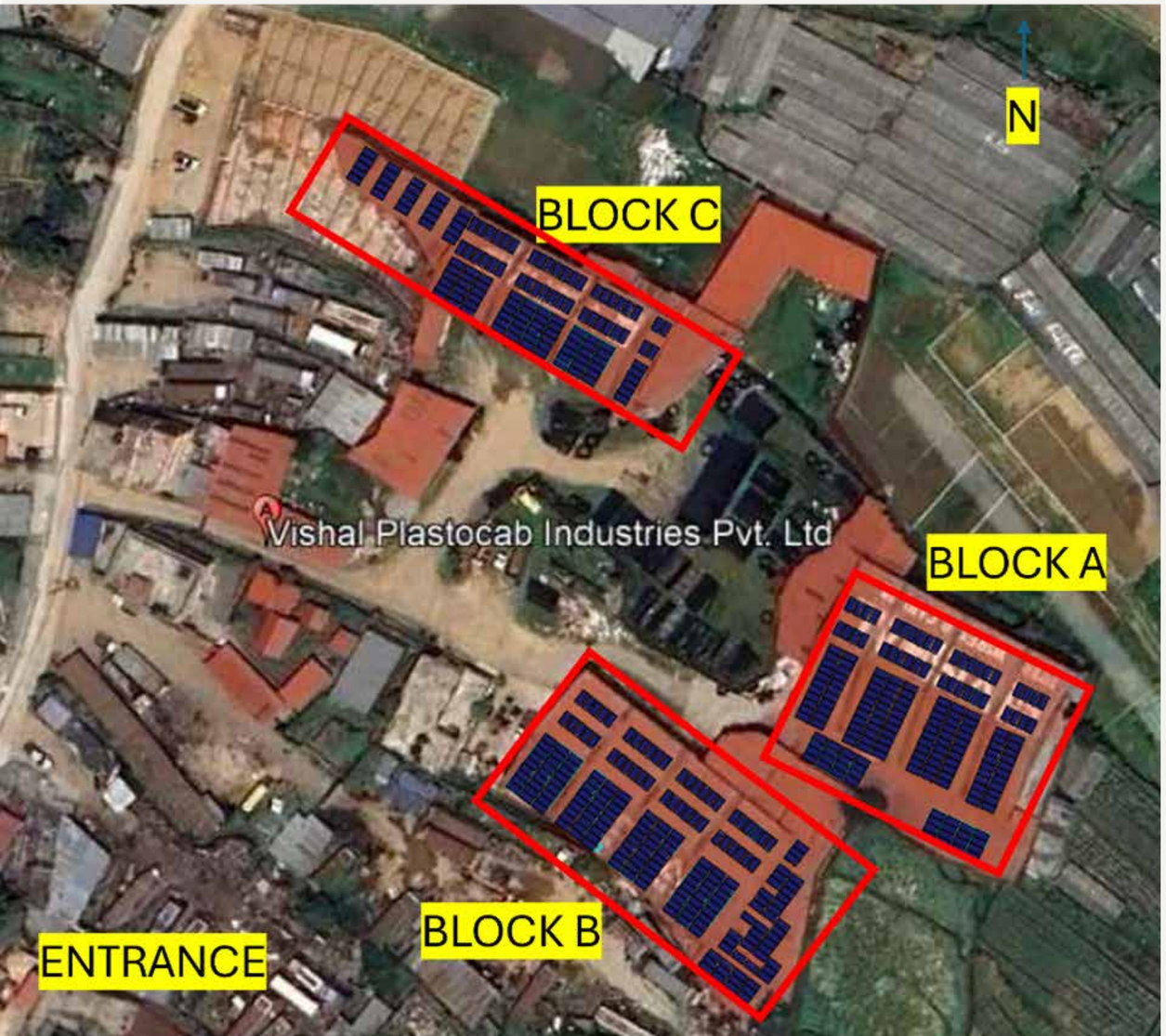
2025

Overview

Detailed structural assessment of five existing truss structures at the Vishal Plastocab Factory structure in Thankot, Kathmandu evaluating their capacity to safely support additional loads from proposed solar panel installations.

The successful completion of this project demonstrates our expertise in structural inspection and analytical assessment of steel structures. The work includes detailed field inspection, structural modeling and analysis in ETABS to evaluate strength and performance, and the development of suitable retrofitting strategies to address identified deficiencies. This reflects our capability in delivering reliable, analysis-based solutions to enhance structural safety and serviceability.

ABOUT THE PROJECT



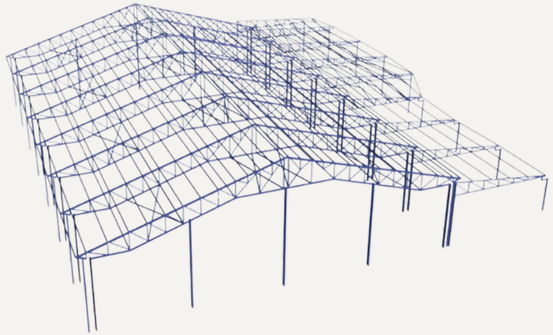
This project focused on assessing the structural capacity of four existing factroy buildings to determine whether they could safely support additional solar panel loads. As no existing drawings were available, our team conducted a detailed site survey, collecting measurements, section sizes, and connection details to prepare accurate as-built drawings.

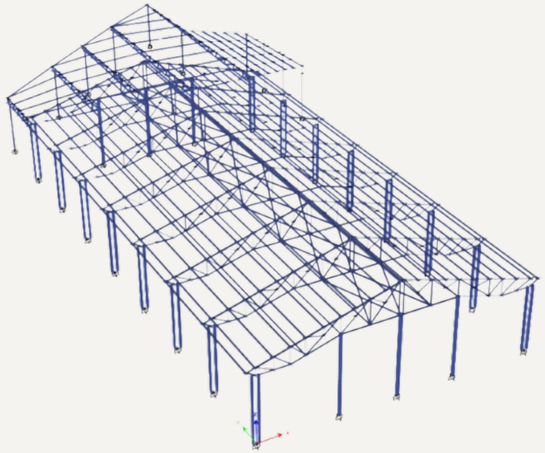
All structures were modeled in ETABS to evaluate current safety and long-term behavior, including the performance of the truss systems under existing loads, routine maintenance loads, wind, and seismic effects, in accordance with relevant codes. The analysis determined whether the structures could support the additional solar panel loads, and strengthening measures were proposed where necessary.

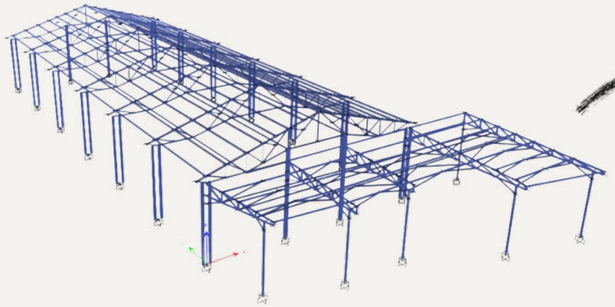
Recommended measures included installation of additional steel bracing and reinforcement of critical structural elements, ensuring practical and efficient solutions. Detailed as-built and strengthening drawings were prepared, along with cost estimates, and a comprehensive report with final recommendations was presented to the client. The project demonstrates a rigorous approach to structural assessment, safety, and long-term durability.

SITE INSPECTION

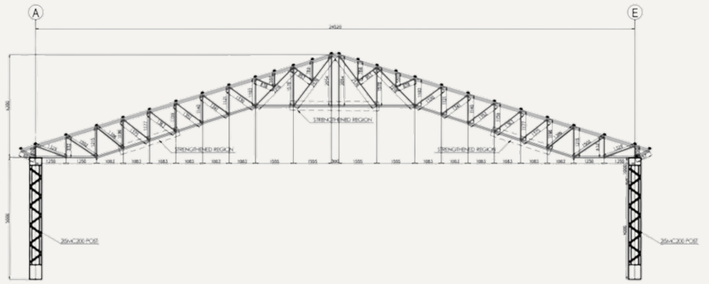
ANALYSIS

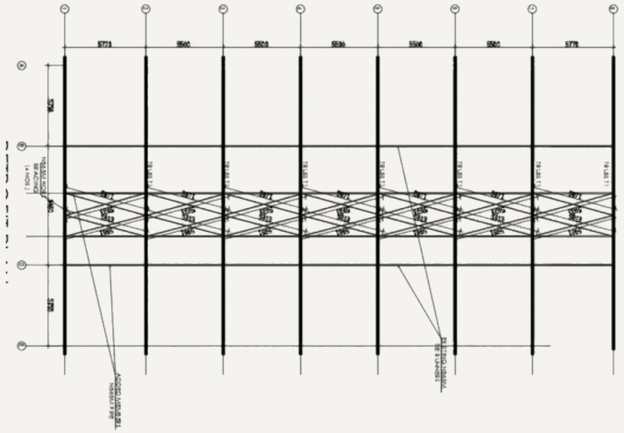


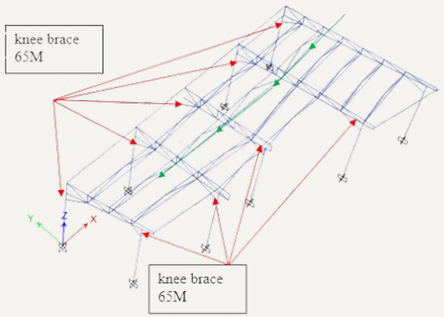




RETROFITTING







SIMILAR PROJECTS

QMED FORMULATION

Type	Location	Year Completed
Factroy building	Chhaling, Bhaktapur	2024

Detailed structural assessment of four existing truss structures at the QMED Factory Building in Chhaling, Bhaktapur, evaluating their capacity to safely support additional loads from proposed solar panel installations.

The investigation included visual inspections, dimensional measurements, and structural analysis using ETABS and SAP2000 to assess truss integrity under current and proposed loading conditions.

The strengthening measures included the installation of additional steel bracing, reinforcement of critical structural elements, and implementation of foundation upgrades where necessary.

MARUTI PIPES

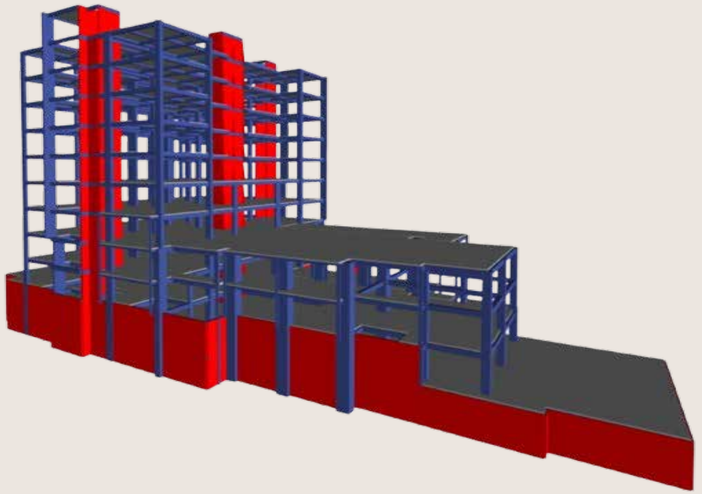
Type	Location	Year Completed
Factory Building	Banke, Nepalgunj	2024

Structural assessment of two existing truss structures located at the Maruti Pipe Factory in Nepalgunj. The main objective is to analyze the existing load-bearing capacity of these trusses and determine the capacity to carry additional loads from rooftop additional services.

The analysis considers safety and long-term structural behavior, such as the performance of the whole truss system under existing section load, routine maintenance load, wind and seismic loading based on relevant codes.

The strengthening measures included the installation of additional steel bracing, reinforcement of critical structural elements, where necessary.

HOTEL SAFFRON



Type
Hotel building

Location
Butwal

Year Completed
2025

Overview

Our approach focuses on a systematic and data-driven assessment process to ensure accuracy and reliability in evaluating structural performance of existing structures.

The successful completion of this project highlights our technical expertise and capability in performing comprehensive non-destructive testing (NDT) on structures. It reflects our proficiency in evaluating structural integrity, identifying potential weaknesses, and providing reliable data to support informed decisions for maintenance, retrofitting, and safety assurance.

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STRUCTURAL INSPECTION

The work scope addressed the verification of construction quality for a recently completed building. Our team conducted on-site assessments using rebound hammer tests and rebar scanner inspections to evaluate concrete strength and verification of reinforcement placement. Additionally, a complete structural model was prepared in anticipation of proposed modifications. A detailed report documenting findings, observations, and recommendations was compiled and submitted to the client.

Key Features

- Comprehensive structural assessment and analysis of RC and steel structures
- Non-destructive tests to analyze the in-situ strength of structure
- Minimal disruption to client operations during implementation
- Adherence to building codes and quality standards
- Detailed documentation and reporting of the project

STRUCTURAL ANALYSIS

ON-SITE STRUCTURES

ELECTRICAL ROOM

PRE-FUNCTION TRUSS

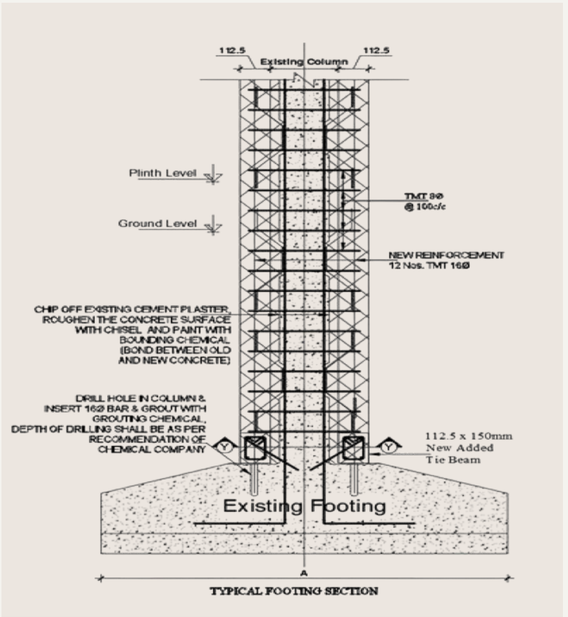
STRUCTURAL MODELING

The next scope focused on the evaluation of two existing steel structures: the electrical room and the pre-function truss; to verify compliance with structural design requirements. The assessment included detailed examination of connections, verification against design criteria, and preparation of updated drawings and reports, which were presented to the client with professional recommendations for maintenance or adjustments if needed.

STRUCTURAL STRENGTHENING

Overview

Structural strengthening is the process of enhancing the load-carrying capacity, durability, and seismic performance of existing structures. It is undertaken when buildings experience material deterioration, design deficiencies, increased load demands, or damage due to earthquakes, fire, aging, or environmental exposure. The objective is to restore and, where necessary, improve structural performance while extending the service life of the structure in a safe, economical, and technically sound manner.



The company adopts a diagnosis-driven and design-led strengthening philosophy, ensuring that every intervention is technically justified, minimally invasive, and compliant with relevant codes and standards. The primary strengthening methods we adopt include:

- **Grouting**
- **Microconcreting**
- **Carbon Fiber Wraps (FRP Strengthening)**
- **Retrofitting Design and Application**

An example of RC Building Strengthening in Kathmandu

In a recent project in Kathmandu, our team successfully executed comprehensive structural strengthening works for an existing reinforced concrete building damaged due to fire.

Step 1: Condition Assessment and Testing

The strengthening process began with a detailed inspection of the existing RC elements to assess in-situ condition and material properties. The following non-destructive tests were conducted:

Ultrasonic Pulse Velocity Test to evaluate concrete quality and detect internal voids

Rebound Hammer Test to estimate surface hardness and compressive strength

Electrical Resistivity Test to assess durability and potential corrosion risk

These tests enabled accurate identification of weakened zones, voids, and overall structural health.

Step 2: Surface Preparation and Strengthening Works

Based on assessment results, the strengthening works were carried out in a systematic sequence:

- Surface preparation of RC members for microconcreting, including removal of loose and deteriorated concrete
- Preparation of surfaces for pressure grouting, including drilling and installation of grouting nozzles
- Execution of controlled pressure grouting to fill voids and restore internal concrete continuity

Step 3: Verification of Strengthening Effectiveness

After completion of grouting works, the improved concrete quality was verified through UPVT testing, confirming satisfactory enhancement in material integrity and uniformity.

Step 4: Carbon Fiber Wrap Application

Upon successful verification, carbon fiber wraps were applied to designated RC members to further enhance strength, ductility, and seismic performance.

Through careful assessment, precise execution, and post-strengthening verification, our team ensures that every strengthening solution delivers measurable performance improvement and long-term structural reliability.

Fire damaged structure

NDT Testing

Void sealing

Microconcreting

Pressure grouting

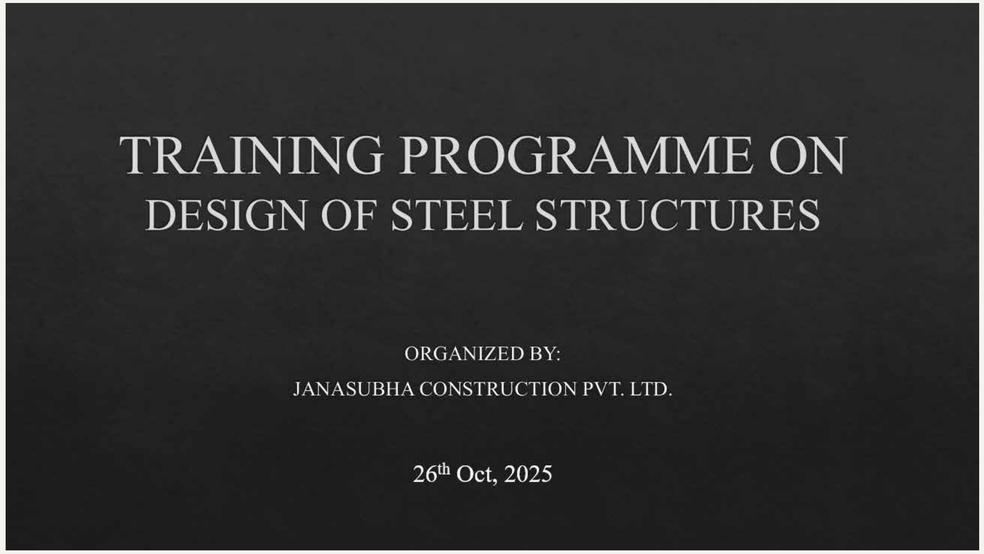
Surface preparation
for Carbon fiber

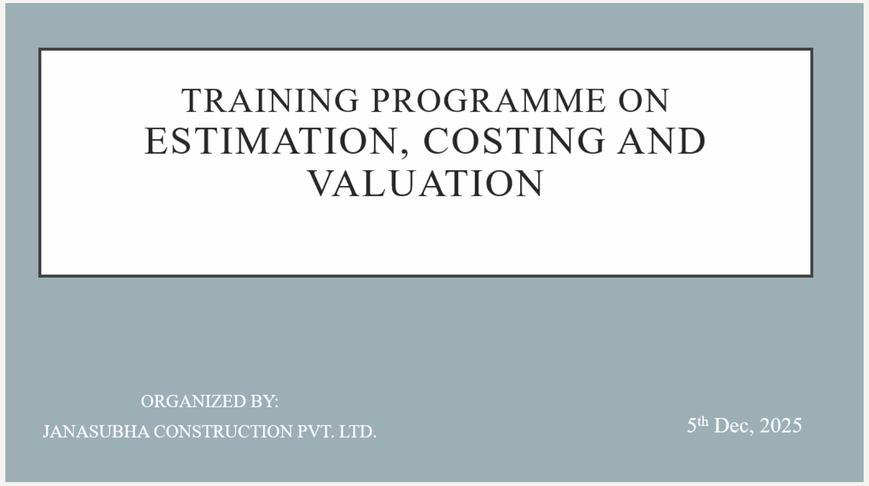
CFRP Application

Strengthened structure

TRAININGS

We actively provide comprehensive professional training programs tailored to a wide range of participants, including undergraduate students, fresh graduates, and practicing engineers. Our training offerings cover core areas of civil and structural engineering, such as the analysis and design of reinforced concrete and steel structures, in strict compliance with relevant national and international codes and standards. In addition, we deliver focused training on estimation, costing, and valuation to strengthen participants' understanding of project planning and financial assessment.





All training modules are structured to balance strong theoretical foundations with practical, industry-oriented knowledge. Emphasis is placed on real project case studies, design procedures, code interpretation, and best engineering practices. Furthermore, we offer customized training solutions, where institutions, organizations, or professional groups may request specific topics aligned with their requirements, and our team develops and delivers targeted programs accordingly. This flexible and responsive approach ensures meaningful learning outcomes and direct applicability to professional practice.

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