

A&N



Prospectus & Offerings



About A&N

Ashik and Numaan Structural Consultants (A&N) is a LLP Structural Designing organisation that associates and provides services to architects, fabricators, contractors, developers, and resident or commercial owners. Established in 2016, we have completed over 750 projects worldwide for our diverse clientele and striven to ensure transparency of process, commitment to schedule at a competitive market rate.

Our team of experts is well-versed in a wide range of structural specializations, including Steel Structures, Light Gauge Steel Structures, RCC, Composite, Pre-Cast, Hybrid, Earthquake-resistant, Fire-resistant, Wind-resistant, Flat-slab, Post-tensioning, and Long-term structures and deliver results that meets and exceeds your expectation.

Headquartered in Calicut, Kerala, A&N also operates offices in Bangalore and Hyderabad.

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Structural Challenges

Structural engineering is a crucial discipline that underlies all great humanmade structures. At A&N, we are dedicated to pushing the boundaries of our discipline, delivering innovative solutions that seamlessly combine aesthetics and functionality. Our expertise lies in tackling diverse structural challenges, from creating large unsupported spans for barrier-free spaces to executing rapid foundation work for buildings situated in challenging terrains. Our team of experts is equipped with the necessary skills, experience, and tools to tackle any structural challenge. We work closely with architects,

contractors, and other stakeholders to ensure that our solutions are not only technically sound but also aligned with the project's overall vision. At A&N, we believe that great structural engineering should be invisible to the end-users. We strive to make our work blend flawlessly with the project's design and purpose, while providing maximum structural integrity and safety. Whether you are planning a new project or facing a structural challenge in an existing one, A&N is your trusted partner for innovative, reliable, and artistically pleasing structural engineering solutions.



Architectural Needs

Our structural engineering expertise enables architects to realize their architectural vision with a focus on both form and function. Our team co-ordinates with architects, understanding their requirements and collaborating on solutions that are both practical and innovative. We provide structural solutions that meet the unique needs of each project and comprehensively solve complex structural challenges. Our team's vast experience and deep understanding of structural engineering principles allow us to push the limits of what is possible and deliver outstanding results. Our commitment to excellence

extends beyond the design phase. We work with architects throughout the construction process, built to the highest standards and meets all safety requirements. Our focus on collaboration and communication allows us to work smoothly with architects and contractors to deliver projects that are both aesthetically pleasing and functionally excellent. At A&N, we are passionate about helping architects bring their ideas to life. Our goal is to provide structural solutions that support architectural creativity while delivering outstanding results that exceed our clients' expectations.



Safety & Sustainability

Our designs meet the highest standards of energy efficiency and green building practices. Our team of structural engineers has a deep understanding of materials and construction techniques that can incorporate sustainable practices into the design and execution of every project. We also understand that every project has its unique challenges, and we approach each one with an open mind and a commitment to finding innovative solutions. We use state-of-the-art software and tools to model and simulate the behaviour of structures, allowing us to test and

refine our designs before they are built. In addition to our technical expertise, we also prioritize communication and collaboration with our clients and partners. We believe that a successful project requires a strong partnership between all stakeholders, to ensure that our designs are integrated along with the overall project vision. We have a reputation of delivering high-quality, innovative structural solutions that meet the needs of our clients and contribute to the built environment in a positive way.



The A&N Assurance

At A&N, we take pride in our diverse portfolio of completed projects, which range from residential homes to airports and educational institutions. Our work includes a variety of structures, from sleek reinforced concrete structures to large-span cantilever designs. We have also completed several projects in earthquake-prone zones, where our expertise in structural engineering has been critical in ensuring the safety of occupants. We understand the importance of sustainability and conduct meticulous analyses of methods and materials to ensure the highest levels of environmental

responsibility in our projects. Our team of highly skilled engineers work together with clients to develop innovative solutions that are effective and efficient. At A&N, we are committed to deliver results in time and complete the projects at a competitive pricing. We believe in building strong relationships with our clients and partners and providing them with the highest levels of service and expertise. As we continue to expand our reach and take on new challenges, we remain dedicated to delivering exceptional results that meet the unique needs of each project and client.

The Team

In 2016, Ashik R P and Mohammed Numaan, two young and ambitious structural engineers from The University of Manchester, UK, founded A&N, a structural design company that would go on to become a leading player in the industry.



Ashik R P

CO-FOUNDER & TECHNICAL DIRECTOR
BTech Civil, AMIE, CEng, MSc Structures (UK)

Ashik R P is the technical brain behind the organization. He has completed over 500 projects in India, Kuwait, Abu Dhabi, Oman, and KSA.

Experienced in designing both RCC and steel structures, with expertise in earthquake engineering,

His portfolio includes 15 GCC projects and involvement in the Abu Dhabi Airport New Terminal Project.

He is also certified as a Chartered Engineer by The Institution of Engineers(India)



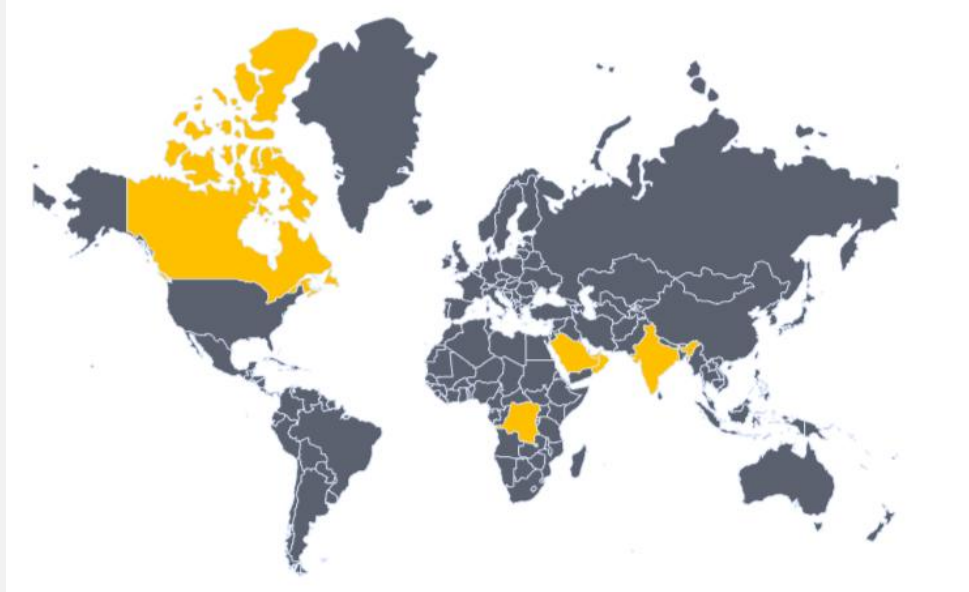
Mohammed Numaan

CO-FOUNDER & OPERATIONS MANAGER
BE Civil, AMIE, CEng, MSc Structures (UK)

Mohammed Numaan has over 8 years of experience in project execution, engineering, techno-commercial operations, and project governance, Numaan possesses a strong track record of skills in scheduling, budgeting, cost estimation, and procurement management.

Construction activities are supervised by him, and technical inputs are provided while innovative ideas are applied to design engineering. He ensures timely and

cost-effective project execution with a focus on profitability by closely working with stakeholders, who are coordinated with and managed by him. Safety requirements are well-understood and adhered to by him. Numaan is a Chartered Engineer and also an associate member of AMIE

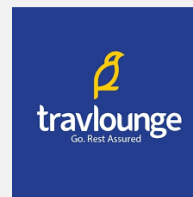


- India
- Saudi Arabia
- United Arab Emirates
- Oman
- Congo DR
- Canada

Our Domestic Presence



- Kerala
- Karnataka
- Tamil Nadu
- Telangana
- Uttar Pradesh



Our Work

RCC Structures

THE ADDRESS BOULEVARD



PROJECT DETAILS

- Architect: Arcop Associates
- Location: DRC, Africa
- Built-up Area: 6,68,734 sq. ft.
- Highlight: 30 Floors standing at 125m

COBALT OFFICE

PROJECT DETAILS

- Architect: Arcop Associates
- Location: DRC, Africa
- Built-up Area: 3,64,510 sq. ft.
- Highlight: 30 Floors standing at 130m

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LE CUIVRE HEAD OFFICE



PROJECT DETAILS

- Architect: Arcop Associates
- Location: DRC, Africa
- Built-up Area: 4,83,349 sq. ft.
- Highlight: 20 Floors standing at 100m

CANTON OFFICE



PROJECT DETAILS

- Architect: Hadi Tehrani
- Location: Kochin, Kerela
- Built-up Area: 3,00,000 sq.ft

N - CARE HOSPITAL



PROJECT DETAILS

- Architect: Arafath Associates
- Location: Kozhikode, Kerala, India
- Built-up Area: 82,000 sq. ft.

MAHARAJA HOTEL



PROJECT DETAILS

- Architect: Arafath Associates
- Location: Kalpetta, Kerala, India
- Built-up Area: 75,000 sq. ft.

IDA CITY WALK AIRPORT ROAD



PROJECT DETAILS

- Architect: Ample Design
- Location: Airport Road, Bangalore, India
- Built-up Area: 2,15,000 sq. ft.

KOLLAM MOBILITY HUB



PROJECT DETAILS

- Architect: PC Rasheed & Associates
- Location: Kollam, Kerala, India
- Built-up Area: 94,000 sq. ft.

HIGHLIGHTS

- B+G+3 storey RCC building, earthquake resistance structure Zone-3
- Government project under Kollam Municipality
- Beams spanning up to 10m with 400 mm depth.

KIZHISSERI AUDITORIUM

PROJECT DETAILS

- Architect: Arif Associates
- Location: Malappuram, Kerala, India
- Built-up Area: 24,185 sq. ft.

HIGHLIGHTS

- B+G+1 auditorium for 1000 pax.
- RCC structure spanning upto 9m
- Cantilever gallery slope spanning 2m
- RCC column frame for lateral stability
- Designed to resist earthquake - Zone 2

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KOTTAKKAL FISH MARKET



PROJECT DETAILS

- Architect: Two i Architects
- Location: Kottakkal, Kerala, India
- Built-up Area: 55,855 sq. ft.

HIGHLIGHTS

- B+G+2 structure with market area spread over 2 floors
- Steel roof spanning upto 18m
- Beams spanning upto 7m
- Raft foundation due to clayey soil

SHAHNAVAS PUTTHANATHANI

PROJECT DETAILS

- Client: Shabbeer & Saleel Associates
- Location: Putthanathani, Kerala, India
- Built-up Area : 30,000 sqft

HIGHLIGHTS

- Double basement+G+2 storey RCC building designed for earthquake resistance Zone-3
- Beams spanning upto 8m with 500 mm depth



HYDERABAD RESIDENCE



PROJECT DETAILS

- Architect: JB Architects
- Location: Hyderabad, Telangana, India
- Built-up Area: 50,750 sq.Ft

HIGHLIGHTS

- Structure resting on a cliff with inclination upto 80 degree
- Building consists of 5 basement floors for parking, services, and apartments and 3 floors for residence.

PRASANNA RESIDENCE

PROJECT DETAILS

- Client: Aarbee Projects
- Location: Udupi, Karnataka, India
- Built-up Area: 8,000 Sq.ft

HIGHLIGHTS

- G+1 RCC Roman architectural residence
- Porch spanning upto 7.5m
- Royal bifurcated stairs
- All beams concealed within the slab limit



Steel Structures

HI - LITE WTC



PROJECT DETAILS

- Client: Hi Lite Developers
- Location: Calicut, Kerala
- Built-up Area: 2,00,000 sq.ft

AIRPORT ROAD CITY CENTRE



PROJECT DETAILS

- Architect: Ample Design
- Location: Bengaluru
- Built-up Area: 1,20,000 sq.ft

SATS KITCHEN BANGALORE



PROJECT DETAILS

- Client: Vestian
- Location: Kempegowda International Airport, Bengaluru
- Built-up Area: 2,60,000 sq.ft

SATS AIR INDIA



PROJECT DETAILS

- Client: Vestian
- Location: Kempegowda International Airport, Bengaluru
- Built-up Area: 3,50,000 sq.ft

I - TECH SUPER MARKET



PROJECT DETAILS

- Client: Roof and Shades
- Location: Chemmad, Kerala, India
- Built-up Area: 65,000 sq.ft

ADYAR GARDEN



PROJECT DETAILS

- Architect: GBB Studio
- Location: Mangalore, Karnataka
- Built-up Area: 25,000 sq.ft

GREENCHEF KITCHEN APPLIANCES FACTORY



PROJECT DETAILS

- Client: Siddartha Enterprises
- Location: Sira, Karnataka, India
- Built-up Area: 2,58,000 sq.ft

HIGHLIGHTS

- PEB Building spanning upto 66m
- Pitched Roof Structure designed to withstand wind of 33 m/s
- Lateral stability provided using cross bracings

METRO WAREHOUSE

PROJECT DETAILS

- Client: Roof and Shades
- Location: Kozhikode, Kerala, India
- Built-up Area: 1,25,000 sq.ft

HIGHLIGHTS

- PEB Building spanning upto 55m
- Pitched Roof Structure designed to withstand wind of 39 m/s
- Lateral stability provided using cross bracings



IMPEX ELECTRONICS PVT LTD.



PROJECT DETAILS

- Architect: Ar & De Architects
- Location: Mysore, Karnataka, India
- Built-up Area: 11,00,000 sqft.

HIGHLIGHTS

- Cluster of Steel buildings spread across 30-acre campus including its corporate headquarters.
- More than 2000T steel construction and around 2 lakh sqft of RCC construction
- Our expertise integrated PEB and RCC to give economical, fast and sustainable solution

MARBLE GALLERY

PROJECT DETAILS

- Client : Tata Bluscope Ezybuild Solution Providers
- Location: Kozhikode, Kerala, India
- Built-up Area: 86,000 sq. ft.

HIGHLIGHTS

- G+1 Steel warehouse facility
- Mezzanine designed to support 750kg/m² of live load
- Composite floor with shear stud was introduced to reduce tonnage by 25% in mezzanine

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MICKS CHOCOLATE FACTORY



PROJECT DETAILS

- Client: D-Collative
- Location: Hyderabad, Telangana, India
- Built-up Area: 1,23,000 sq.ft

HIGHLIGHTS

- Chocolate factory designed for a span of 15mx24m grids with floor loads of 10kN/m²
- PEB roof was designed such a way that the entire factory machinery pipelines and other service lines are suspended from a secondary framing taken from roof PEB framing

TIRUR COMMERCIAL

PROJECT DETAILS

- Client: Abdurahman
- Location: Tirur, Kerala, India
- Built-up Area: 70,000 sq.ft

HIGHLIGHTS

- G+2 steel structure building
- Cantilever upto 17.5m without back span
- Composite columns were used to achieve maximum carpet area



QUEEN'S SQUARE COMMERCIAL



PROJECT DETAILS

- Client: Holiac Pealiy Pvt. Ltd
- Location: Bengaluru, Karnataka, India
- Built-up Area: 13,000 Sq.Ft

HIGHLIGHTS

- PEB commercial structure of G+5 floors with rcc basement.
- Steel beams spanning 11.5 m
- Structure built over existing RCC basement.
- Portal bracings provided considering constraints due to existing structure.

MEGA INTERNATIONAL SCHOOL

PROJECT DETAILS

- Client: MAHE
- Location: Bengaluru, Karnataka, India
- Built-up Area: 30,000 sq.ft

HIGHLIGHTS

- B+G+3 Steel Structure with Mezzanine Floor spanning 18x26 m
- Structure designed to withstand wind of 33 m/s
- Lateral stability provided using Portal Columns



BORGAON WAREHOUSE



PROJECT DETAILS

- Client: Intaglio Zurie Pvt Ltd
- Location: Bargaon, Karnataka, India
- Built-up Area: 40,000 sq.ft

HIGHLIGHTS

- PEB Building spanning upto 38m
- Pitched Roof Structure designed to withstand wind of 33 m/s
- Lateral stability provided using cross bracings

VIHANA BEVERAGES FACTORY

PROJECT DETAILS

- Client: S&G Infra Pvt Ltd
- Location: Bengaluru, Karnataka, India
- Built-up Area: 20,000 sq.ft.

HIGHLIGHTS

- PEB Building spanning upto 31 m
- Pitched Roof Structure designed to withstand wind of 33 m/s
- Lateral stability provided using cross bracings



Special Structures

KANANGA AIRPORT



PROJECT DETAILS

- Architect: Creative Group
- Location: DRC, Africa
- Built-up Area: 1,25,000 sq.ft

KOLWEZI INTERNATIONAL AIRPORT



PROJECT DETAILS

- Architect: Arcop Associates Pvt. Ltd
- Location: Republic of Congo, Africa
- Built-up Area: 76,937 Sq.Ft

MBUJIMAYI AIRPORT



PROJECT DETAILS

- Architect: Arcop Associates Pvt. Ltd
- Location: Republic of Congo, Africa
- Built-up Area: 78,000 Sq.Ft

VVIP TERMINAL KIA AIRPORT



PROJECT DETAILS

- Architect: Arcop Associates Pvt. Ltd
- Location: Republic of Congo, Africa
- Built-up Area: 21,600 Sq.Ft

FLOATING RESTAURANT



PROJECT DETAILS

- Architect: Arcop Associates Pvt. Ltd
- Location: Republic of Congo, Africa
- Built-up Area: 10,032 Sq.Ft

WAYANAD ULTRA PARK



PROJECT DETAILS

- Client: Wayanad Holdings
- Location: Wayanad, Kerala, India
- Highlight: 26m Cantilever Projection

AHALYA CAMPUS



PROJECT DETAILS

- Client: Wellstruct Build Solution LLP
- Location: Palakkad, kerala, India
- Built-up Area: 15,000 Sq.Ft

OMAN SCHOOL



PROJECT DETAILS

- Architect: Corduff Oman
- Location: Muscat, Oman
- Built-up Area: 18,000 sq. ft.

HARSHAD RESIDENCE



PROJECT DETAILS

- Architect: Tamas Architect
- Location: Tirur, Kerala, India
- Built-up Area: 3,000 sq.ft

HIGHLIGHTS

- RCC structure with 4m cantilever projection
- Cantilever beam depth restricted to 450mm depth
- Composite structure with steel columns supporting RCC slab to fulfill architectural requirements.

TRAVELOUNGE

PROJECT DETAILS

- Architect: Tamas Architects
- Location: Palakkad, Kerala, India
- Built-up Area: 4,000 sq.ft

HIGHLIGHTS

- 11 m cantilever without back span
- Flower shaped PEB columns
- RC flat slab supported by steel facade columns which is supported on floor RC slab



VKC STORAGE & FACTORY



PROJECT DETAILS

- Architect: Arif Associates
- Location: Coimbatore, Tamil Nadu, India
- Built-up Area: 27,840 sq. ft.

HIGHLIGHTS

- Includes office, housing, storage, manufacturing
- Factory floor capacity: 1 tonne/m²
- Located in Earthquake Zone 3
- Storage floor capacity: 0.7 tonne/m²
- Columns designed for SMRF without RCC core walls

COORG ARTS & SCIENCE COLLEGE

PROJECT DETAILS

- Architect: Blueclay Architects
- Location: Kodagu, Karnataka India
- Built-up Area: 46,165 sq. ft. for academic block

HIGHLIGHTS

- G+2 Academic block with flat slabs for plan flexibility
- PT Slab beam spanning 20m for lobby & common area
- PT flat slab up to 9m



AAKASHA MITHAYI ,MEMORIAL FOR VAIKOM MUHAMMAD BASHEER



PROJECT DETAILS

- Architect: Space Art
- Location: Kozhikode, Kerala India
- Built-up Area: 25,000 sq.ft

HIGHLIGHTS

- G+1 cultural centre building, for the memory of **Vaikom Muhammad Basheer** popularly referred to as Beypore Sultan, a Malayalam literateur.
- 12X25m indoor auditorium at first floor
- 10 m spanning beams 500 mm depth
- 25 TO 30 m depth pile foundation.

SHOUKATH COMMERCIAL BUILDING

PROJECT DETAILS

- Architect: Arif Associates
- Location: Kochi, Kerala, India
- Built-up Area: 19,189 sq. ft.

HIGHLIGHTS

- G+4 commercial building
- PT Beams spanning 10m
- Pile foundation
- 3rd and 4th floor slabs supported by floating columns erected from 2nd floor



SEWAGE TREATMENT PLANT



PROJECT DETAILS

- Project: 2.5 MLD Sewage
- Treatment Plant and Network for Thrissur Municipality
- Location: Thrissur, Kerala, India

HIGHLIGHTS

- Entire treatment plant infrastructure resting on a single pile raft slab system
- Some tanks are GLS structures, some tanks are concrete structures

JET BLAST DEFLECTOR

PROJECT DETAILS

- Architect: Tati Constructions
- Location: CIAL, Kochi, Kerala, India
- Built-up Area: N/A

HIGHLIGHTS

- Undertaken In partnership with IITB to do a complete CFD Analysis of jet blast at its full throttle
- Jet blast structure was designed using PEB structure with equivalent static load number was derived from multiple CFD modelling

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SKY WALK BRIDGE



PROJECT DETAILS

- Client: Calicut Medical College
- Location: Kozhikode, Kerala, India
- Built-up Area: N/A

HIGHLIGHTS

- The skywalk bridge was designed to connect the covid centre units with the Span of 24m to minimize the excavation time and to facilitate the ease of construction during such a pandemic emergency.

PARKING ABU DHABI AIRPORT

PROJECT DETAILS

- Client: Vertex Metal Construction LLC
- Location: Abu Dhabi, UAE
- Status: Completed

HIGHLIGHTS

- Steel structure vehicle sheds & cycle stands designed to resist wind (140mph)
- Safety columns designed to withstand vehicle crashes
- Compactor frames designed to support compactor beams



Peer Reviews

YARA MALL



PROJECT DETAILS

- Architect: Shabeer Saleel Associates
- Location: Valanchery, Kerala, India
- Built-up Area: 49,187 sq. ft.

HIGHLIGHTS

- B+G+3 hypermarket erected using Built Up section
- Span of 8.5m
- Designed to resist earthquake - Zone 3
- Wind resistance up to 85mph

LULU MALL

PROJECT DETAILS

- Client: Idealine
- Location: Tirur, Kerala, India
- Built-up Area: 3,00,000 sq.ft

HIGHLIGHTS

- PT Flat Slab structure of 9m x 11m with shear walls
- Floors are designed for 7.5kN/m² to provide for Hypermarket, Commercial space, and Gaming zones

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KADAPPADI AUDITORIUM



PROJECT DETAILS

- Architect: Shabeer Saleel
- Location: Kozhikode, India
- Built-up Area: 20,000 sq. ft.

HIGHLIGHTS

- B+G+1 RCC structure
- Verified for structural stability under gravity, wind and earthquake

PRINCE FAWAZ HOUSING COLONY, KSA

PROJECT DETAILS

- Developer: Dar Al Bayan Estate Development Co
- Location: Amir Fawaz, KSA
- Built-up Area: 50,000 sq. ft.

HIGHLIGHTS

- Completed structural audit for 500 units
- Wind resistance up to 95mph
- Seismic site class C



Other Projects



Shrisham Apartment
Location: Udupi Client: Aarbee Developers



Shopping Complex Wayanad
Location: Wayanad Architect: PC Rasheed & Associates



Nizaro Commercial
Location: Thamarassery Architect: Creative Space



IBAN Tower
Location: Kottakkal Architect: Attiks Architecture



Annara Residence

Location: Makara Kanamba, Kerala Client: Two line Architects



Rishu Residence

Location: Aikarapadi, Kerala Architect: Attiks Architecture



Basheer Residence

Location: Nilambur, Kerala Architect: Zero Space



Dr. Balakrishnan Residence

Location: Areecode, Kerala Architect: Shabeer Saleel

Our Offerings

RCC Design and Detailing



Our team of highly qualified and experienced structural engineers and designers uses advance software and engineering principles to create best possible design solutions. We offer a comprehensive range of RCC design and detailing services, including feasibility studies, design calculations, drawing preparation, and project management. The fact that we are in-house structural designer for over 100 architects, we have developed a practice towards fine detailing. Our collaboration with architects gives us an edge to design intrigued structures that demands

to exceed the limits of structural design. We are committed to delivering high-quality, innovative, and cost-effective design solutions that meet our client's expectations.

We pay close attention to the detailing of our RCC structures, as it plays a crucial role in the overall strength and stability of the structure.

Our team of detailers are highly skilled and experienced in the latest detailing software, ensuring that all detailing is accurate, comprehensive, and up to date with the latest industry standards and practices.

Steel Design and Detailing

Our design philosophy is centered on optimizing the structural performance of steel while ensuring that it is stable, aesthetically pleasing, and in harmony with the environment.

Our design philosophy is based on determining the requirement and objectives of our client and deliver optimum yet stable design that suits their needs under their budget. Our designs are in line with the market standards to facilitate smooth transitioning of design on paper into execution of structure on site.

We ensure accuracy and precision in every detail to understand their specific

requirements, constraints, and budgets. This allows us to develop tailored solutions that meet their unique needs while delivering exceptional quality. Our steel design and detailing services include conceptual design, detailed engineering, construction drawings, and fabrication drawings.

We utilize the latest software and technologies to create 3D models, analyze structures, and produce detailed shop drawings. Our models and drawings are accurate, easy to understand and can be seamlessly integrated into the construction process.



Review

Peer Review

Our peer review and value engineering services are highly respected, as much as our design expertise, setting us apart from our competitors. At A&N, our peer review process has four main objectives. First, we ensure that the structural systems and details are consistent with the design intent. Second, we identify areas that are under-designed. Third, we identify areas where there is excess conservatism and where construction details and methods can be made more economical. Finally, we provide increased confidence in the completeness, constructability, and reliability of the structural

design, drawings, and other documents, considering site constraints, owner, and architectural requirements. Our approach aims to not only confirm an adequate level of structural safety but also provide value engineering recommendations that promote minimal time and cost of construction. Our value engineering services focus not only on quantities but also on design details that impact constructability.

Adaptive Re-Use



A&N can successfully restore and rehabilitate any building type. Our services include planning, studies, inspections, and construction documents for projects of any size and typology. Any work to a building over and above maintenance to change its capacity, function, or performance in other words, any intervention to adjust, reuse, or upgrade a building to suit new conditions or requirements can be executed considering sustainable materials and methods. Our expertise lies in developing prescriptive rehabilitation decisions based on a thorough understanding of the existing materials,

typology, and conditions. We conduct onsite surveys and testing to assess the condition of elements and preserve as much of the original structure as possible. Our team coordinates with the client, architect, and building services engineer to design projects within the constraints of occupancy and operations, without disturbing existing building systems. We have experience with monuments, offices, residences, hotels, libraries, schools, arenas, and convention centers.

Shop Drawing and Detailing

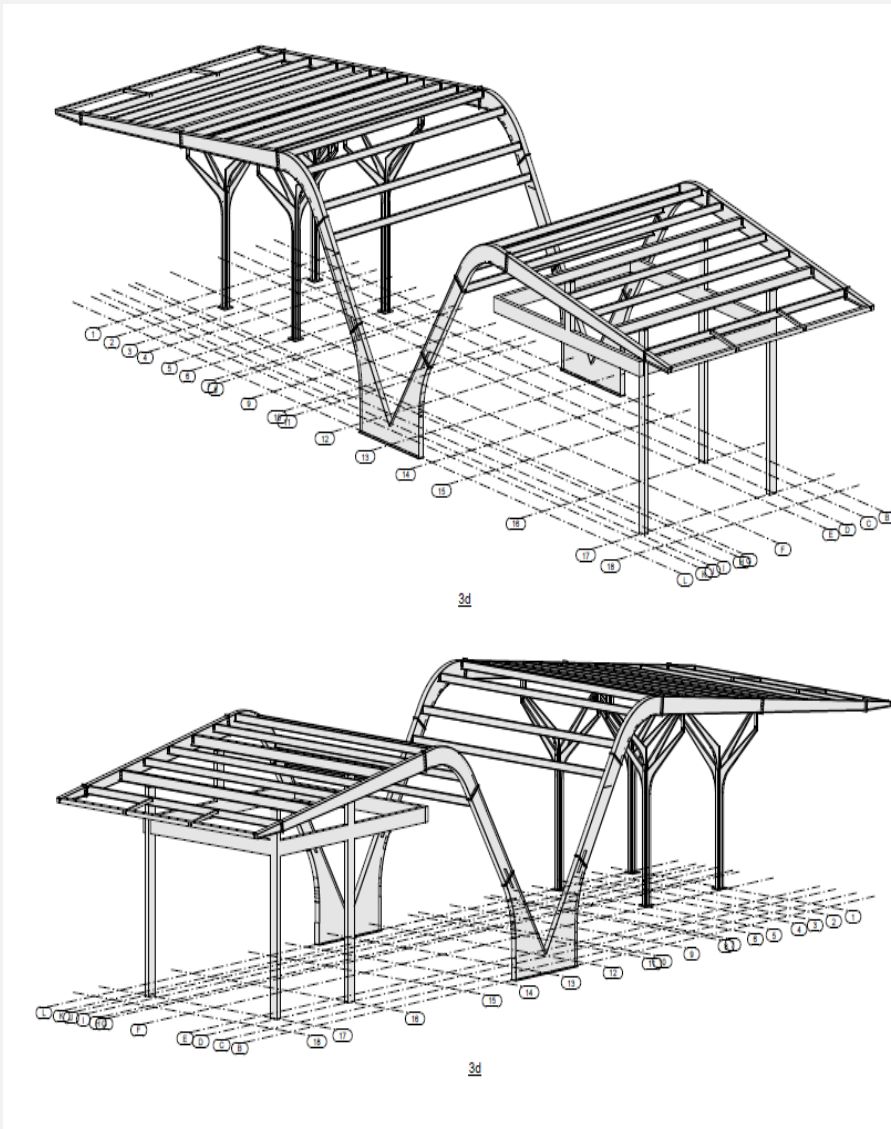
Our team is well-equipped to create detailed and precise shop drawings that meet the unique needs and specifications of each project. We use the latest software and technology to ensure that our shop drawings are both accurate and efficient, saving our clients time and money in fabricating the structural element, therefore nullifying any errors in measurements.

Our detail is categorized into three primary categories i.e. Single Part drawings, Assembly drawings, and General Arrangement drawings. The advantages of outsourcing superior quality fabrication shop drawings from a shop

drawing company are many.

It makes the entire building process way smoother and aids in saving resources by minimalizing or eluding any alterations during the construction. We recognize the importance of meeting project deadlines.

Our team is dedicated to deliver shop drawings promptly in order to keep the schedule on track. In addition, our effective communication and collaboration are at the core of our approach to align with the overall goals of the project





Façade Engineering

At A&N, we specialize in facade engineering, and our team of experts provide innovative and high-quality offerings in curtain wall system, cladding and glazing solutions for our clients. As a structural engineering firm, we understand the critical role that the building façade plays in protecting against the elements, contributing to energy efficiency, and enhancing the building's appearance. Our comprehensive approach to façade engineering begins with an assessment of the site and building design, considering environmental factors, building function, and the

client's aesthetic goals. Our team integrates architectural aesthetics with structural integrity and sustainability meeting project specific goals and visions. Our team of professionals has extensive experience in material selection, system design, and construction oversight, ensuring that each project is built to the highest standards of quality and performance. We provide guidance and oversight throughout the construction process, conducting site inspections and quality control checks to ensure that the materials and systems are installed correctly, and that the facade meets the project's goals.

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