



ALWASAL

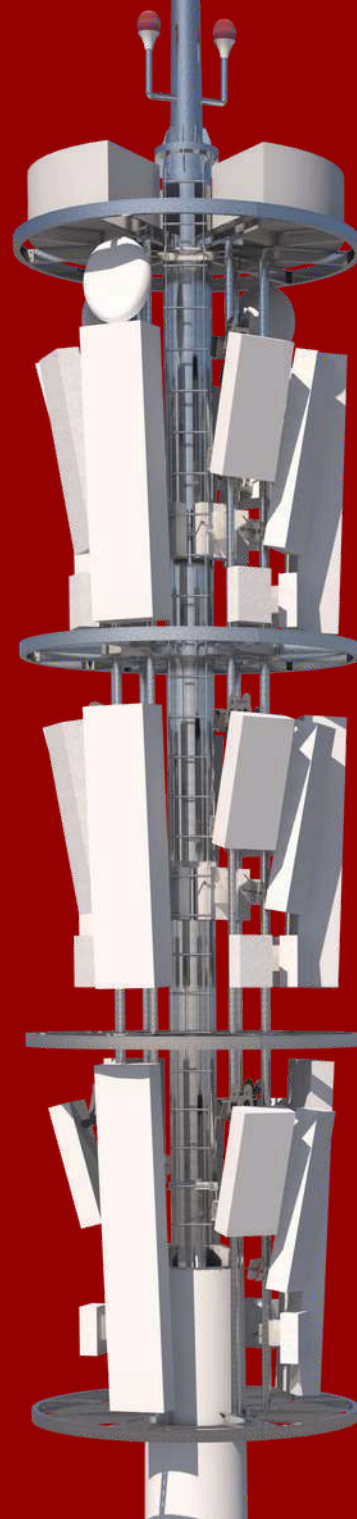
CONNECTING INFRASTRUCTURE

EMPOWERING NETWORKS



20.03.2002

OVERVIEW



At ALWASAL, we specialize in delivering turnkey telecom and infrastructure solutions across Pakistan and the Middle East. With more than two decades of proven experience, we provide a complete range of services — from site acquisition and civil works to steel fabrication, FRP solutions, and network operations.

Our team of qualified engineers and technicians combines deep industry knowledge with advanced design and fabrication capabilities, ensuring each project meets international standards for safety, performance, and reliability. Driven by innovation and a commitment to excellence, ALWASAL continues to build the future of communication infrastructure — one project at a time

ALWASAL



ABOUT US

Our team is made up of qualified and experienced professionals with strong expertise in project management, civil, electrical, mechanical, and human resource management. This combination allows us to consistently meet and exceed client expectations. We believe our employees are the backbone of our organization, driving our commitment to quality and client satisfaction.

We are serviceable contractors offering end-to-end solutions in site acquisition, soil testing, BTS infrastructure development (civil, mechanical, electrical), steel fabrication, FRP solutions, and network operations. Our services also include media gateways, data communication, transmission systems, MSAG, OLT, and OSP turnkey solutions.



VISION

Our goal is to be the leading ICT customizable solution provider in the region by delivering customer satisfaction and maximizing shareholder value. We focus on providing innovative, high-quality services, building long-term partnerships, and staying responsive to customer needs —with honesty, fairness, and collaboration at our core.

MISSION

Our mission is to become the region's leading Information and Communication Technology (ICT) operational solution provider by consistently delivering high-quality, innovative services that exceed customer expectations. We are committed to building long-term partnerships, fostering trust through honesty and transparency, and creating sustainable value for our shareholders while responding effectively to the evolving needs of our clients.





Telecom

SERVICES

Mechanical Fabrication – Steel Structures

- o Angular Towers
- o Monopole Towers
- o Street Light Poles
- o Steel Bridges
- o Pre Fabricated Steel Sheds
- o Steel Storage Tanks

Cell Site Infrastructure Development

- o Civil Works
- o Tower Erection and Mechanical works
- o Telecom Equipment Installation
- o Electric works

Tower Camouflage Solutions

- o Pultruded FRP solution for camouflage towers

Fiber Glass Solutions

- o Pultruded Profiles for Structure
- o Pre fabricated cabins and houses
- o Pre fabricated green houses
- o Solar structures
- o Pre Fabricated sheds



WHY CHOOSE US

Tailored Solutions – Built Around You

At ALWASAL, we understand that every project is unique. Whether it's a primed tower, FRP structure, or a complete turnkey solution, we take pride in offering customized designs and flexible manufacturing to meet your exact requirements. From altering structural dimensions to developing specialized FRP profiles, our in-house design and fabrication teams adapt every detail to your site, environment, and performance needs.

End-to-End Turnkey Expertise

With more than 20 years of experience serving Pakistan and the Middle East, our team delivers complete turnkey solutions — from site acquisition and soil testing to fabrication, installation, and maintenance. Our multi-disciplinary engineers ensure that each phase is handled with precision, safety, and efficiency.

In-House Fabrication & R&D

Our modern workshop is equipped with hydraulic drill lines, CNC bending machines, plasma cutters, and powder-coating setups — enabling complete control over production quality and timelines. Our R&D department constantly develops new pultruded profiles, resin compositions, and custom FRP solutions to suit evolving market demands.

Unmatched Flexibility

At ALWASAL, we don't believe in one-size-fits-all solutions. Every project is customized — from tower dimensions and antenna capacities to camouflage designs, coatings, and FRP structures. Our adaptable approach ensures every detail is tailored to meet your project's exact requirements, not what's convenient for us.



OUR PROCESS



1. Consultation & Planning

Every project begins with a detailed consultation and site assessment. We analyze technical requirements, environmental factors, and client goals to create a tailored execution plan.



2. Design & Engineering

2. Design & Engineering
Our in-house experts develop customised CAD and structural designs following international standards, ensuring precision, safety, and efficiency from the start.



3. Fabrication & Installation

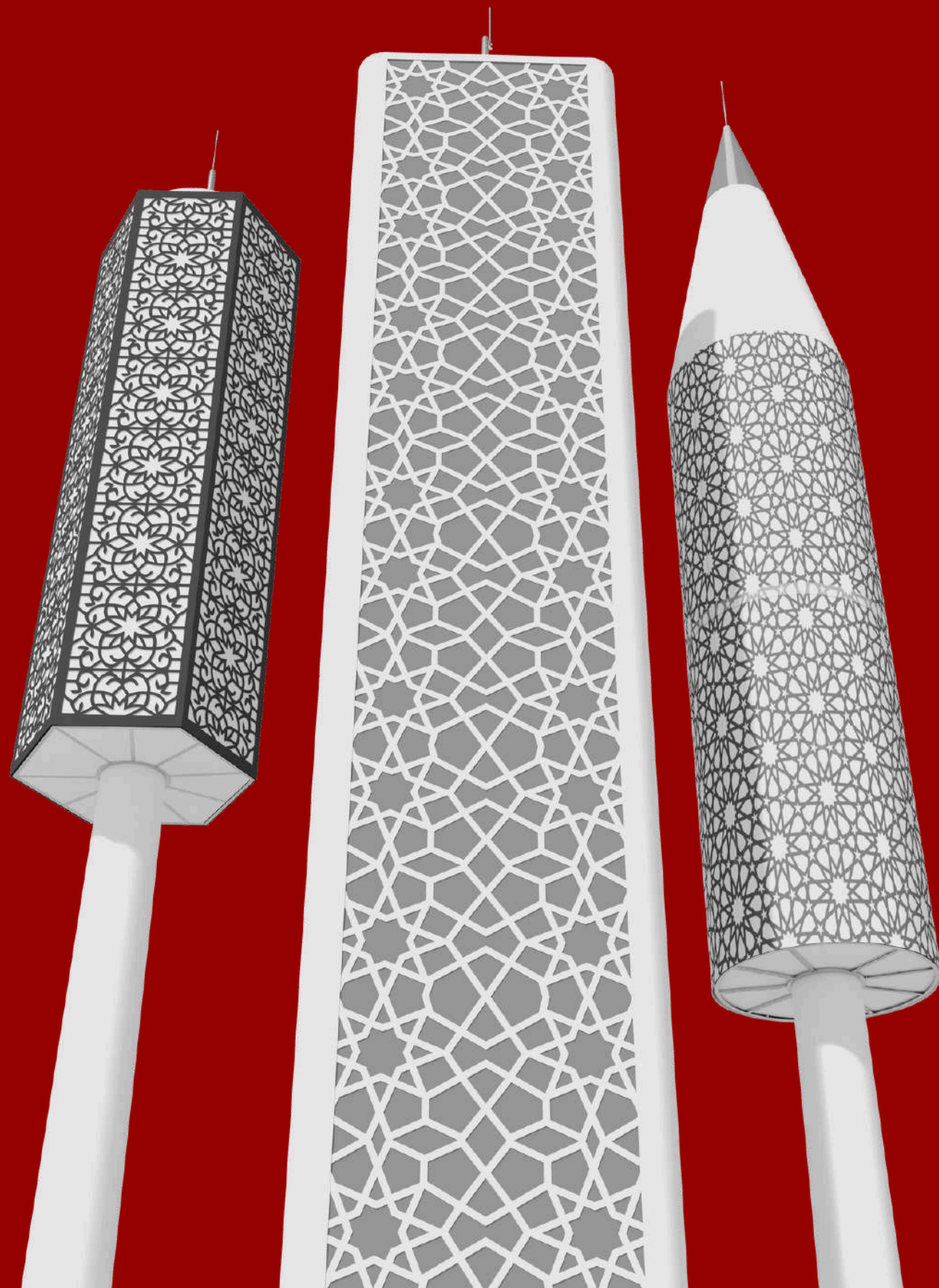
3. Fabrication & Installation
Using our fully equipped workshop, we manufacture and assemble steel and FRP structures under strict quality control, followed by on-site installation and testing.



4. Handover & Support

4. Handover & Support
After successful commissioning, we provide documentation, client training, and ongoing technical support to ensure lasting performance and satisfaction.

TOWER RANGE



ROOFTOP

SEMI-CAMOUFLAGE

SMARTPOLE

FULL-CAMOUFLAGE

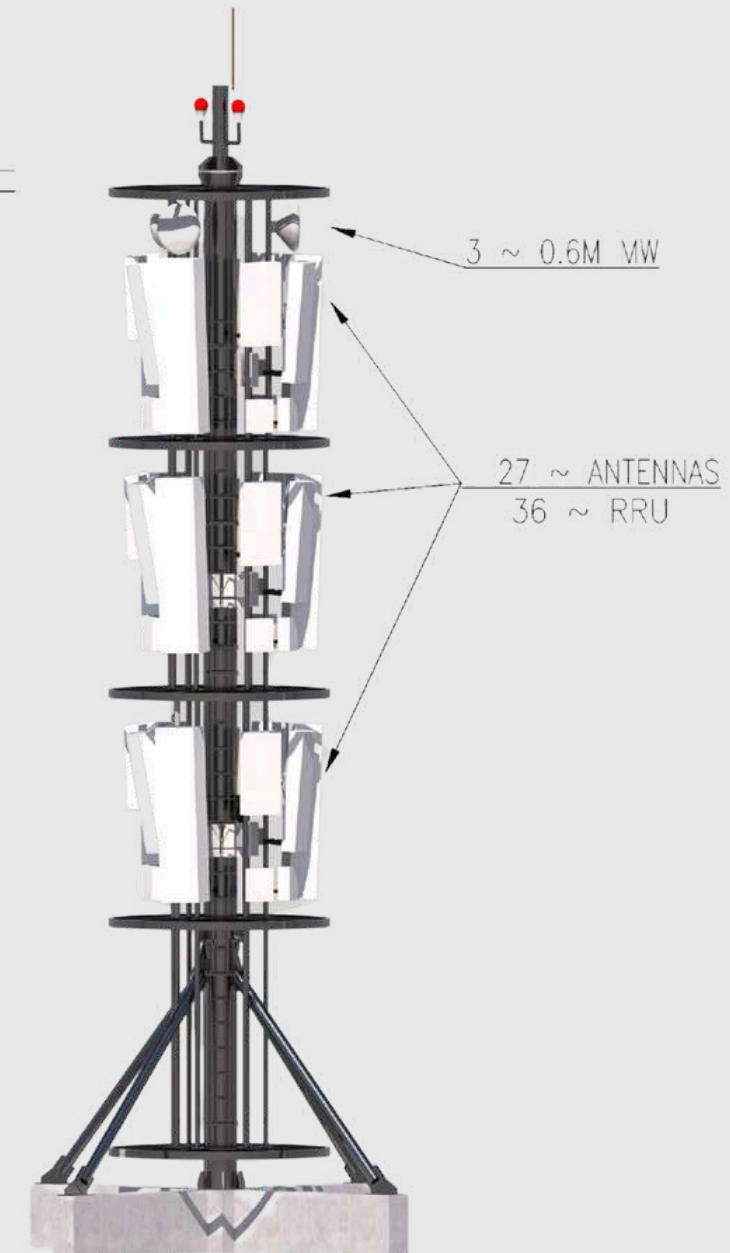
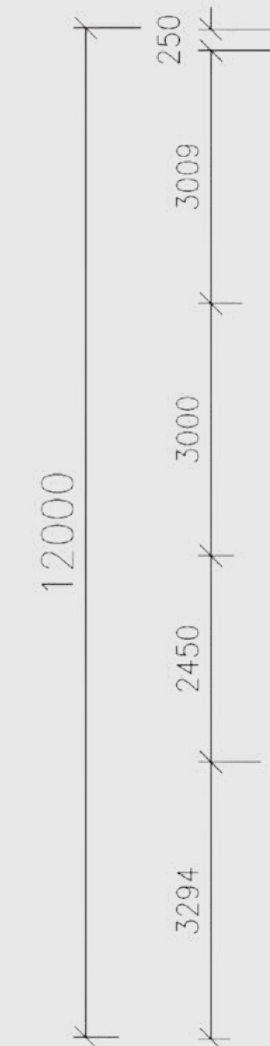
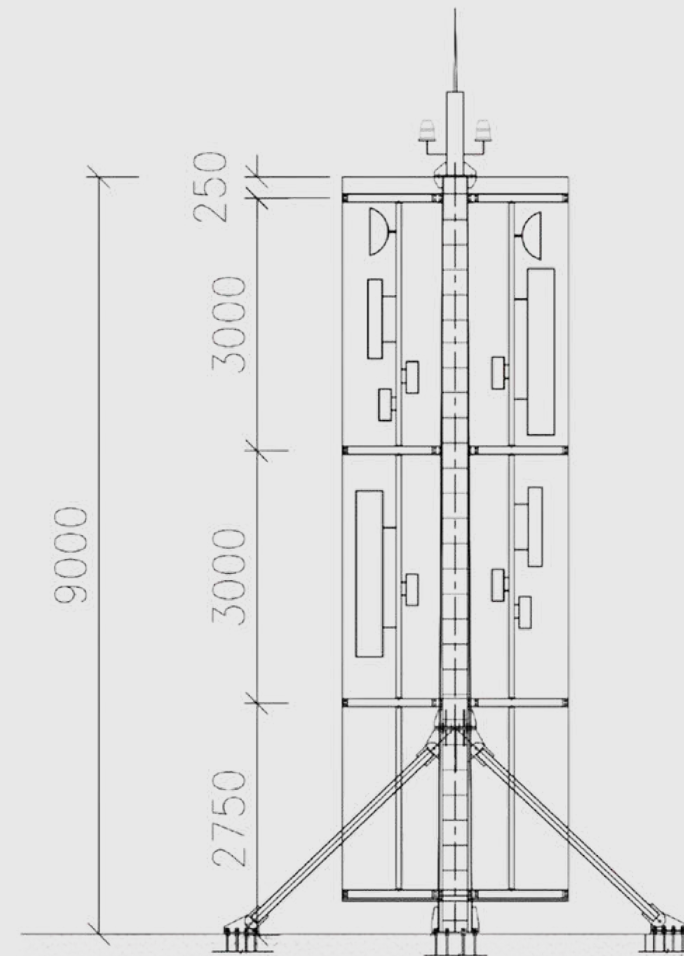
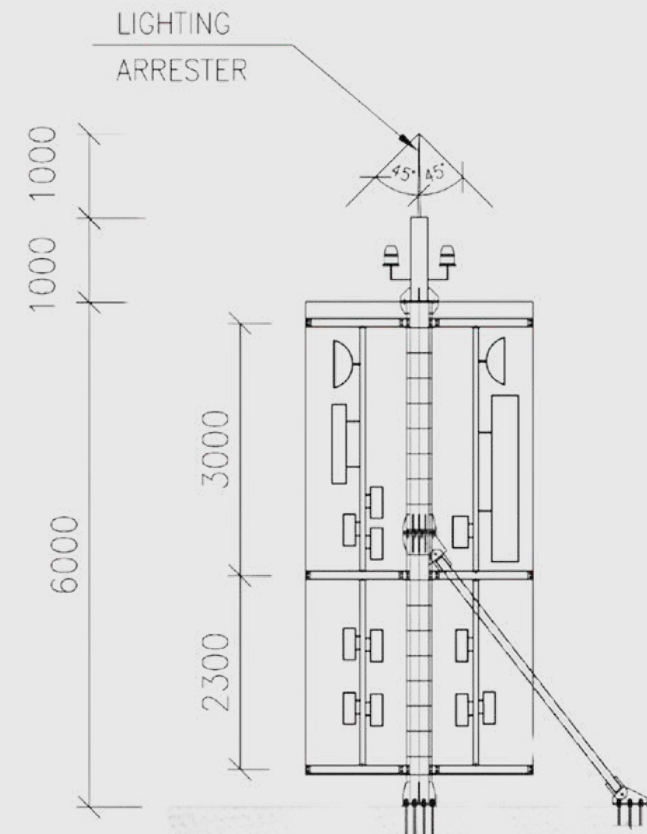
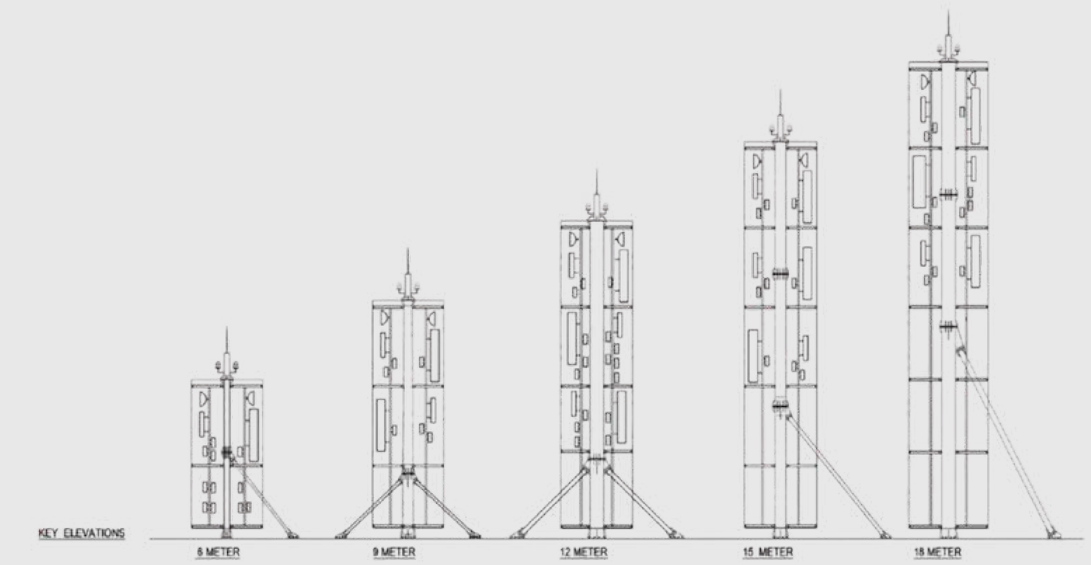
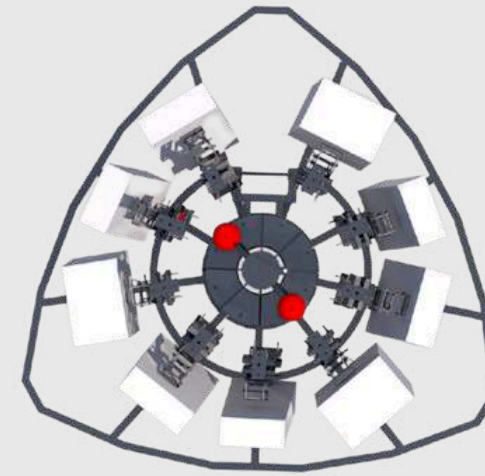
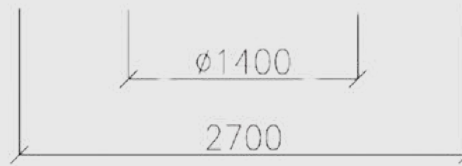
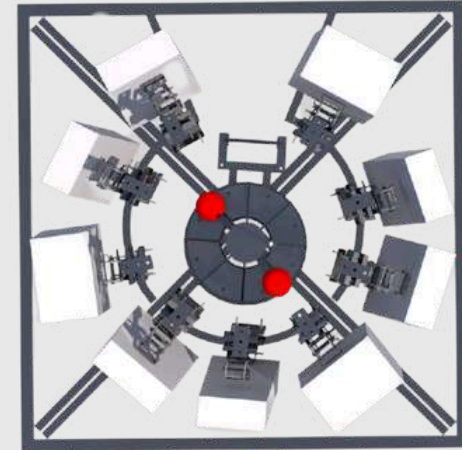
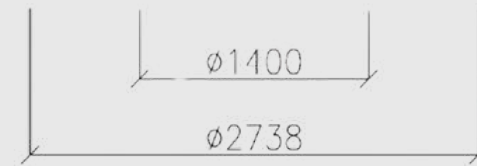
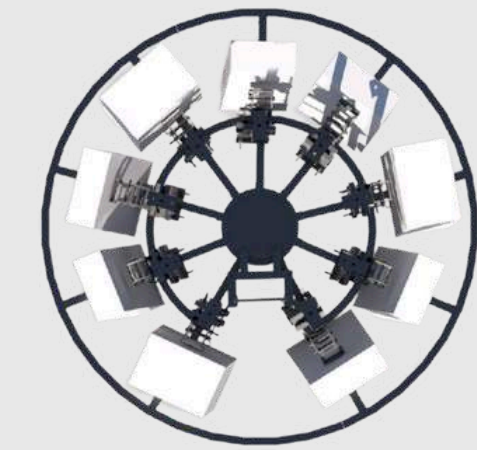


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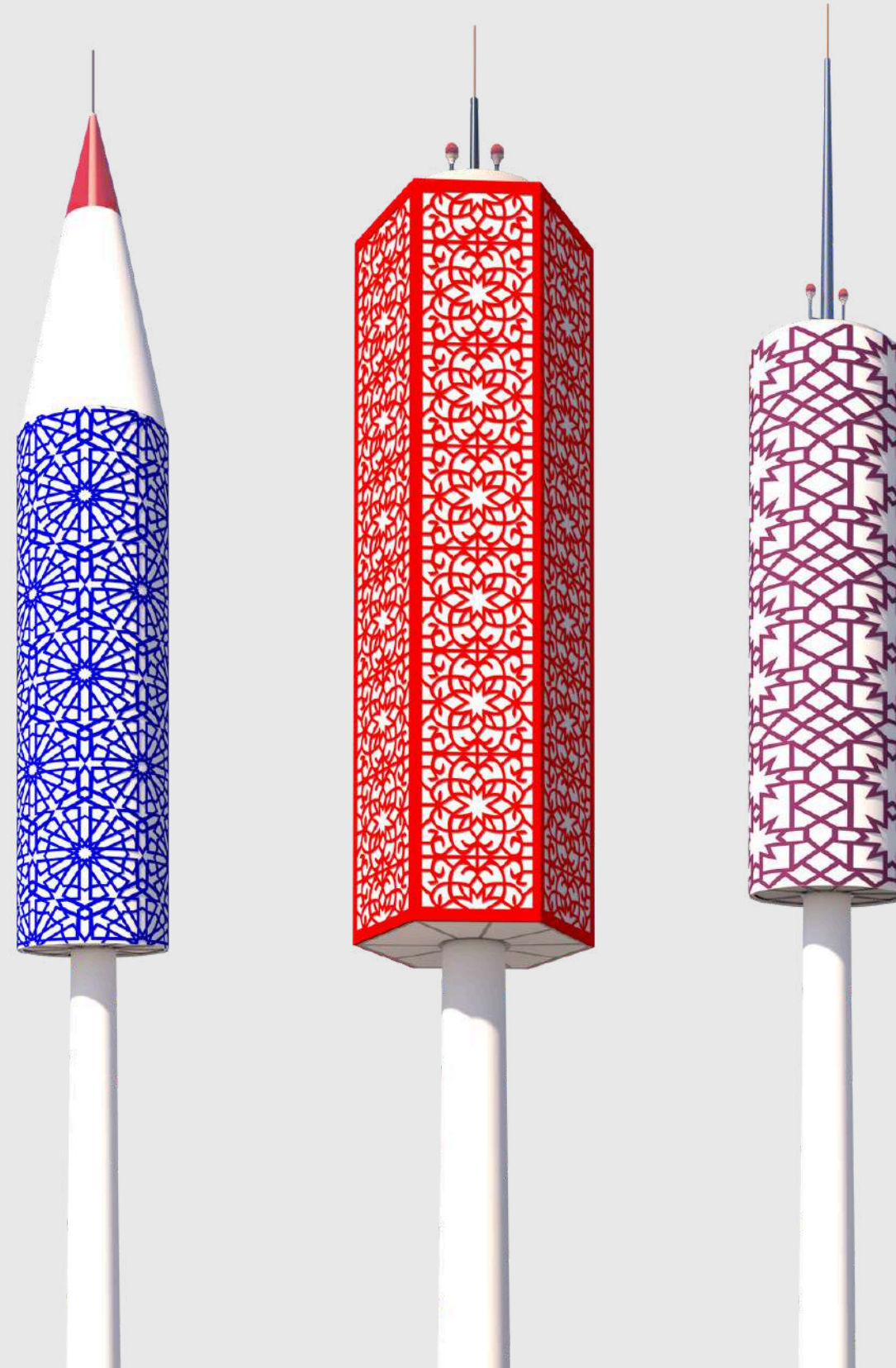
Our rooftop telecom towers are superior and innovative because they use advanced fibre-reinforced composite structures instead of traditional steel. This makes them lighter, corrosion-free, and easier to install on rooftops without heavy foundations. The high-strength fibre design enhances durability, reduces maintenance, and improves wind resistance. Combined with smart sensors, modular assembly, and sustainable materials, these towers deliver next-generation performance, longevity, and environmental efficiency—perfect for modern urban networks.



TECHNICAL DRAWING



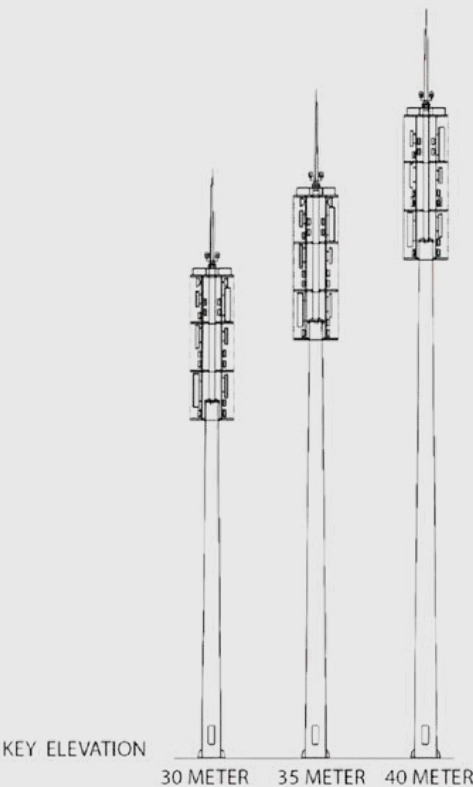
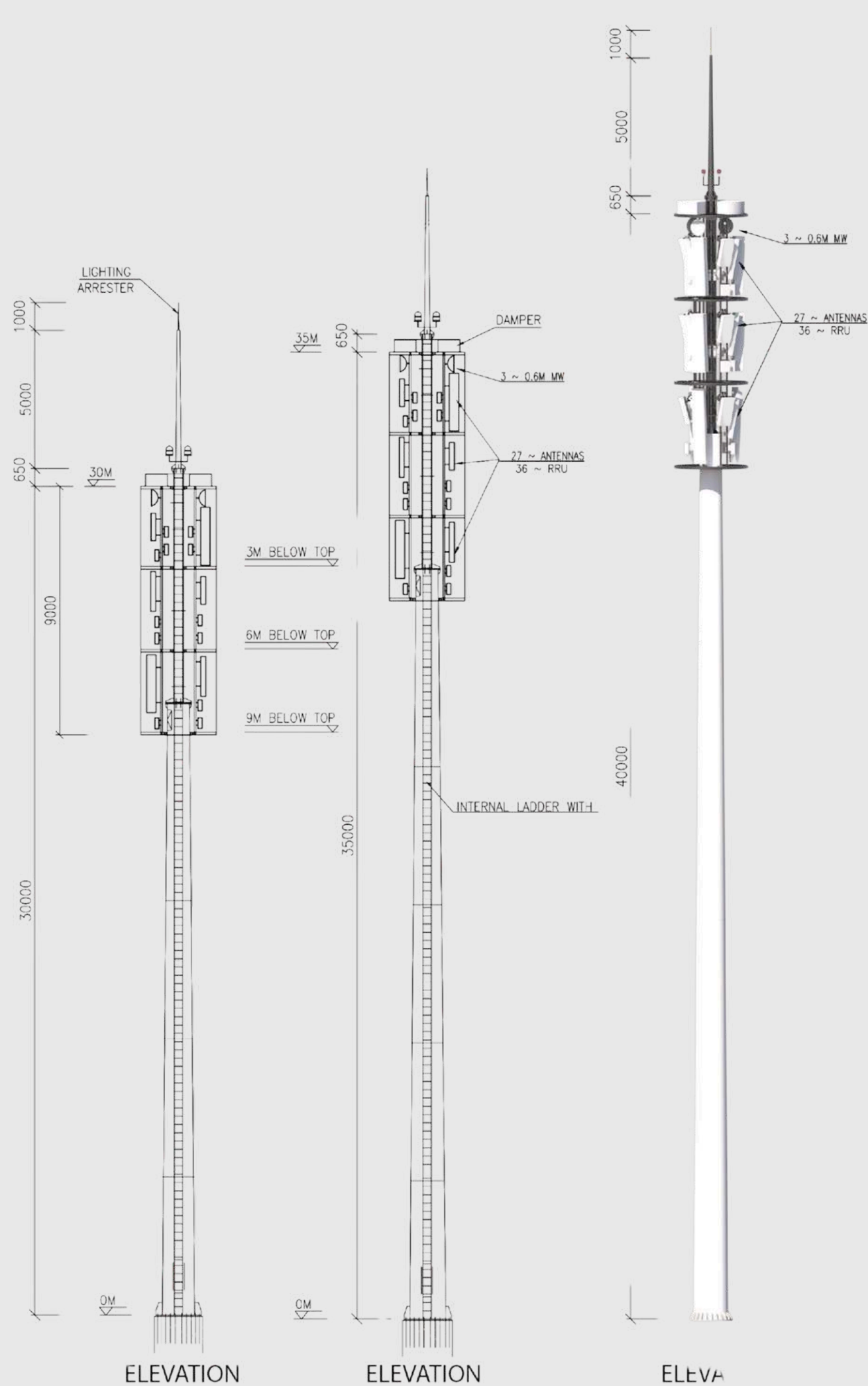
SEMI-CAMOUFLAGE



The Semi-Camouflage Tower Series by ALWASAL blends advanced telecom functionality with subtle environmental integration. Designed to reduce visual impact while maintaining structural efficiency, these towers feature customizable fiberglass and FRP panels that harmonize with urban or natural surroundings. Each unit combines lightweight construction, corrosion resistance, and modular assembly — ideal for projects requiring both performance and aesthetic balance.



TECHNICAL DRAWING



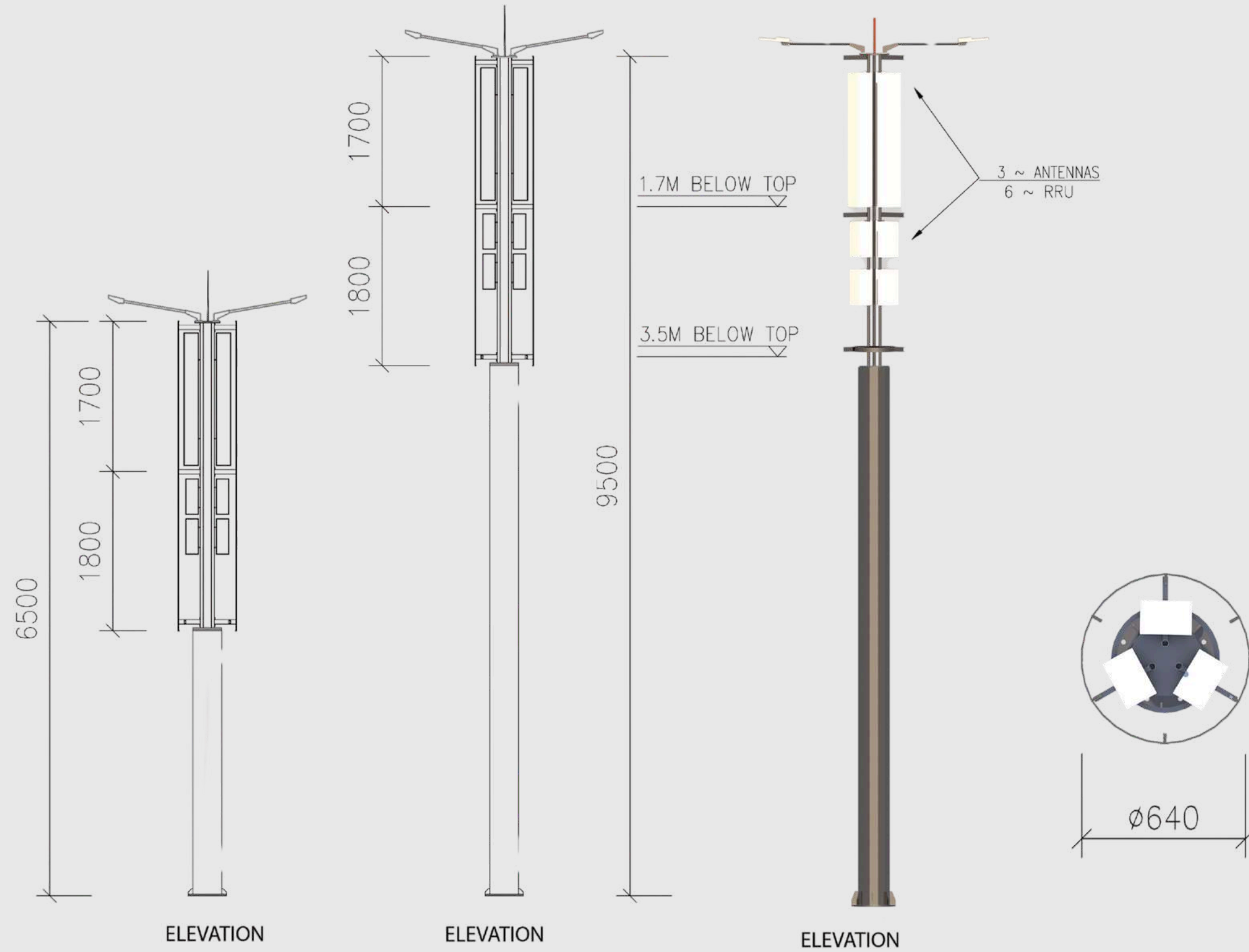
SMARTPOLE

OUR SMART POLES REDEFINE URBAN CONNECTIVITY THROUGH A BLEND OF TECHNOLOGY, DESIGN, AND SUSTAINABILITY. CONSTRUCTED WITH LIGHTWEIGHT FIBRE-REINFORCED MATERIALS, THEY HOST 5G EQUIPMENT, PUBLIC WI-FI, ENVIRONMENTAL SENSORS, CAMERAS, AND EV CHARGERS IN A SINGLE COMPACT STRUCTURE. THEIR ADAPTIVE LIGHTING, MODULAR SETUP, AND ENERGY-EFFICIENT SYSTEMS MAKE THEM IDEAL FOR CREATING INTELLIGENT, FUTURE-READY CITIES THAT PRIORITIZE SAFETY, EFFICIENCY, AND AESTHETIC APPEAL.

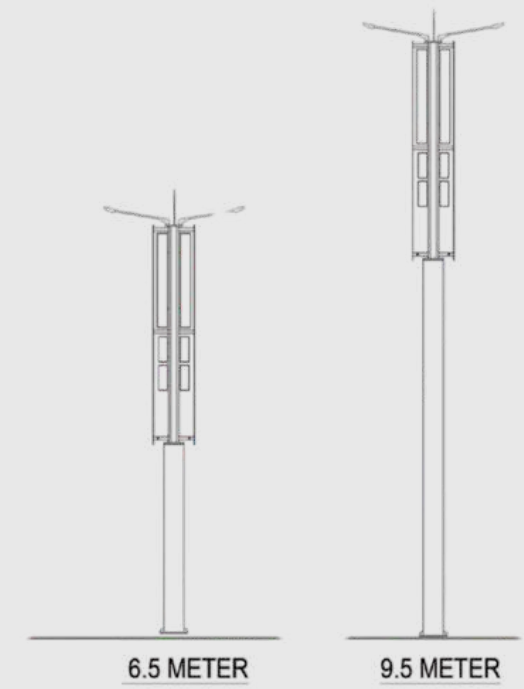
ALWASAL



TECHNICAL DRAWING



KEY ELEVATIONS

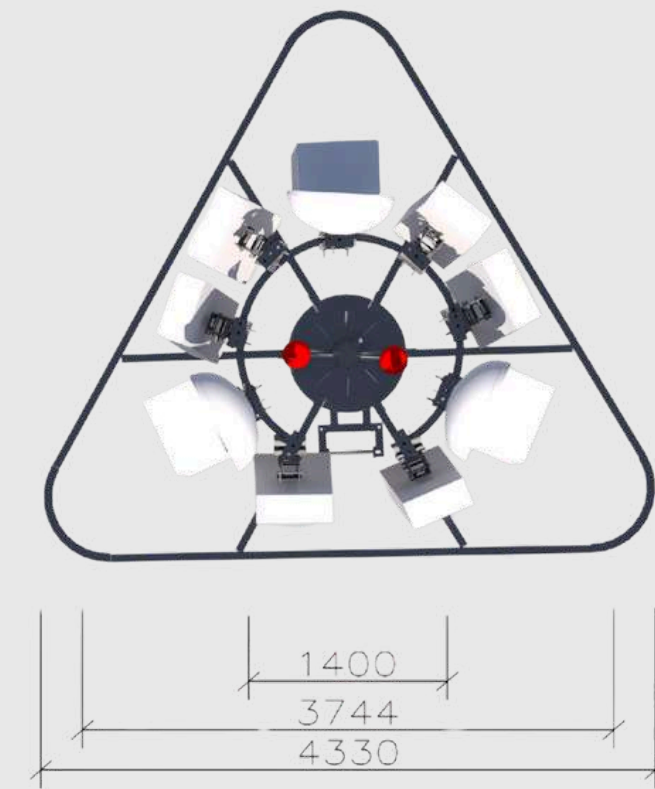
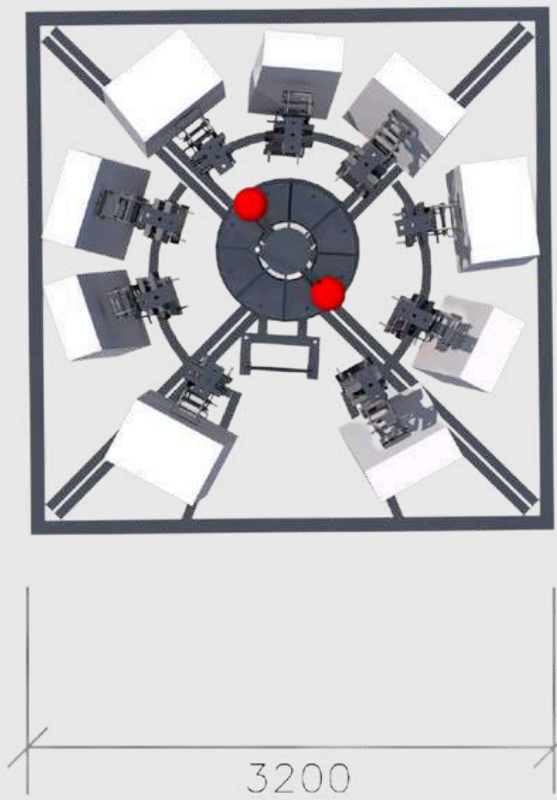
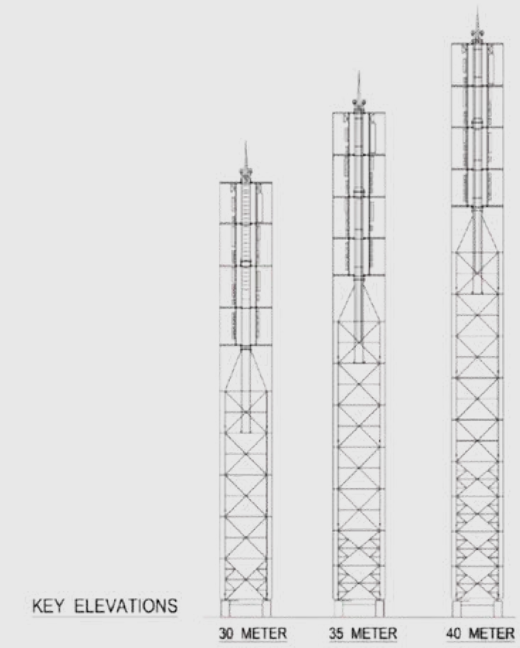
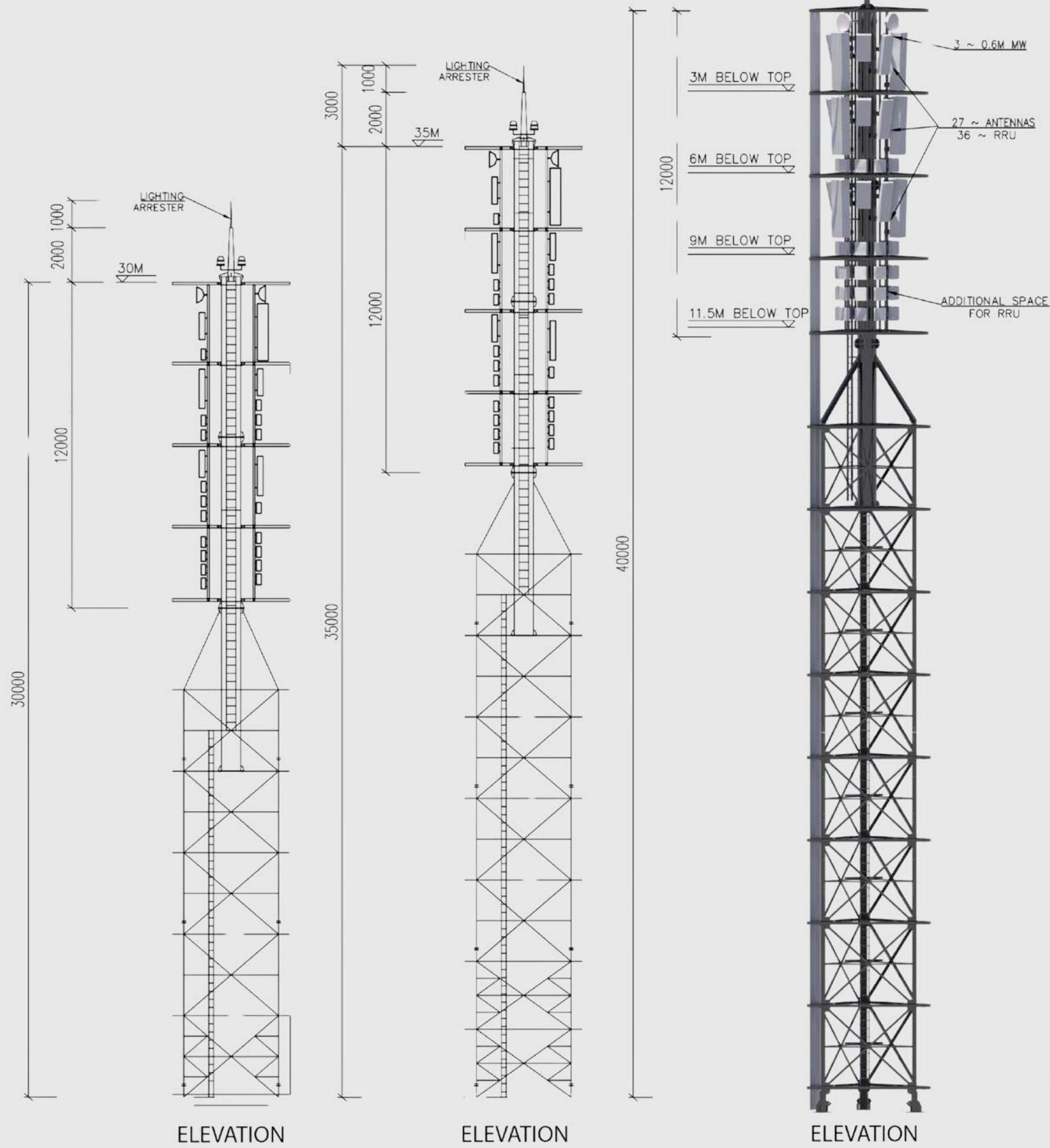


FULL-CAMOUFLAGE

The Full Camouflage Tower Series by ALWASAL represents the pinnacle of aesthetic integration and structural innovation. These towers are fully enclosed in custom-designed FRP shells that mimic natural or architectural elements—such as trees, minarets, or urban structures—while concealing all telecom components. Built to international standards, they combine durability, UV resistance, and seamless visual blending, making them ideal for sensitive locations where appearance and performance must coexist flawlessly.



TECHNICAL DRAWING



PROJECTS PORTFOLIO

These are projects we helped develop—crafted through collaboration, innovation, and dedication. From early-stage ideas to fully realized solutions, our team played a vital role in shaping outcomes. Each project reflects our commitment to excellence, showcasing the impact of our contributions across diverse industries and meaningful client partnerships.



SITE 01



SITE 02



SITE 03

OURTEAM



—

Together, we harness the power of collaboration, creating a dynamic environment where ideas flourish and creativity knows no bounds. Each member brings unique skills and perspectives, enriching our collective journey and pushing the boundaries of what is possible. Through networking and collaborative projects, we foster a culture of continuous learning and mutual support. Our shared passion for progress drives us to challenge conventional thinking and to explore uncharted territories, all while maintaining a strong foundation of respect and inclusivity. As we grow, we remain committed to making a positive impact on the world, one innovative solution at a time.



Mansoor Zahid
CEO of ALWASAL



Muhammad Qasim
Head of Operations



Abdullah Mansoor
Project Manager



THANK YOU

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