FACADE AND CONSTRUCTION 2025

alumgostar

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CONTENT

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"Within the heart of the shell,
THIRTY YEARS of patience give rise to a pearl beyond compare... Thirty years of patience, thirty years of cultivation, thirty years of brilliance."

ABOUT US

Since 1996, Alumgostar has established itself as a leading engineering, procurement, and construction company in Iran. We bring together innovative professionals from various disciplines, each with complementary skills, to deliver integrated solutions. Our clients benefit from a comprehensive range of capabilities, including design, engineering, procurement, manufacturing, installation, project management, and after-sale services. We pride ourselves on providing a holistic approach, characterized by expertise and high-quality, cost-effective designs and solutions.

In an era of constant change, we recognize the daily challenges our clients face and are committed to developing solutions that not only meet their needs but also exceed their expectations. This commitment is evident in every aspect of our work. Our portfolio includes several types of design, engineering, and implementation options:

Façade Engineering

The performance of a building is intrinsically linked to its intended purpose. By evaluating the elements that enhance the value of an asset for our clients and its users, we can effectively guide our design process.

The façade of a building plays a crucial role in defining its value, performance, and architectural character. Building envelopes not only convey the project's visual identity and creative vision but also have a significant impact on the building's embodied energy and operational energy consumption.

A well-conceived façade enables a new building to function more efficiently for its owners, occupants, and the environment.

With over 25 years of specialized experience in the expanding field of façade engineering, we have established a strong track record. Our expertise and approach in façade engineering empower us to consistently provide innovative, practical, and cost-effective solutions.

Every aspect of our work, from conceptual design to implementation and renovation, is driven by design principles and supported by technical precision, including advanced modeling technologies and simulations for energy, thermal performance, and daylighting.

Architecture and Interior Design

Architecture offers a unique opportunity to enhance the beauty of our world while significantly improving living conditions for individuals, businesses, communities, and the environment. This approach enables us to design purposeful, simple, efficient, and aesthetically pleasing buildings and spaces. We empower our clients to achieve their aspirations through architecture that is deeply rooted in human experiences and surroundings, utilizing our integrated expertise and cutting-edge digital tools to unlock the full potential of every project.

Interior design is a collaborative endeavor where our team partners with clients to make design choices that reflect their personal tastes while harmonizing with the building's interior and exterior aesthetics. As your dedicated interior designer, we will assist you in selecting finishes, colors, furnishings, and other interior elements that create a cohesive overall palette. Our extensive knowledge of manufacturers and materials positions us as a vital resource in helping you choose durable, high-quality, and stylish pieces that optimize your budget effectively.

Structural Engineering

Alumgostar has remarkable experience in delivering the most challenging structures. Our structural engineering team optimizes loads, materials, and geometry to produce elegant, cost-effective, and buildable solutions that satisfy our clients' needs.

Alumgostar has advanced the use of 3D building modeling to virtually design and test structural solutions, helping engineers, architects, and clients identify and analyze how all the components of a design work together. Given this, we seek to optimize structural efficiency and overlay the critical factors of cost and time to understand the implications of choices for project viability.

Technical Consulting

Our teams consist of top experts in façade systems, architecture, interior design, structural engineering, lighting design, material science, and product design consulting. These specialized technical services not only address general issues with precision but also combine expertise to create innovative and enhanced solutions for complex, multifaceted challenges, delivering exceptional consultancy packages to our clients.

Project Management

We recognize the significance of each project, as they often serve as pivotal catalysts for change within your business. Effective project management fosters sustained success, and this is precisely what we excel at.

Alumgostar strives to exceed mere project delivery within deadlines, budgets, and quality standards; we embrace creative thinking to develop innovative solutions tailored for our clients.

Our project management team comprises members with strong technical expertise and well-honed interpersonal and leadership skills, enabling them to enhance the value of any project.

We have successfully navigated numerous challenging projects from inception to completion, and several of these key initiatives are shown in this brochure.

ARCHITECTURAL ENVELOPES

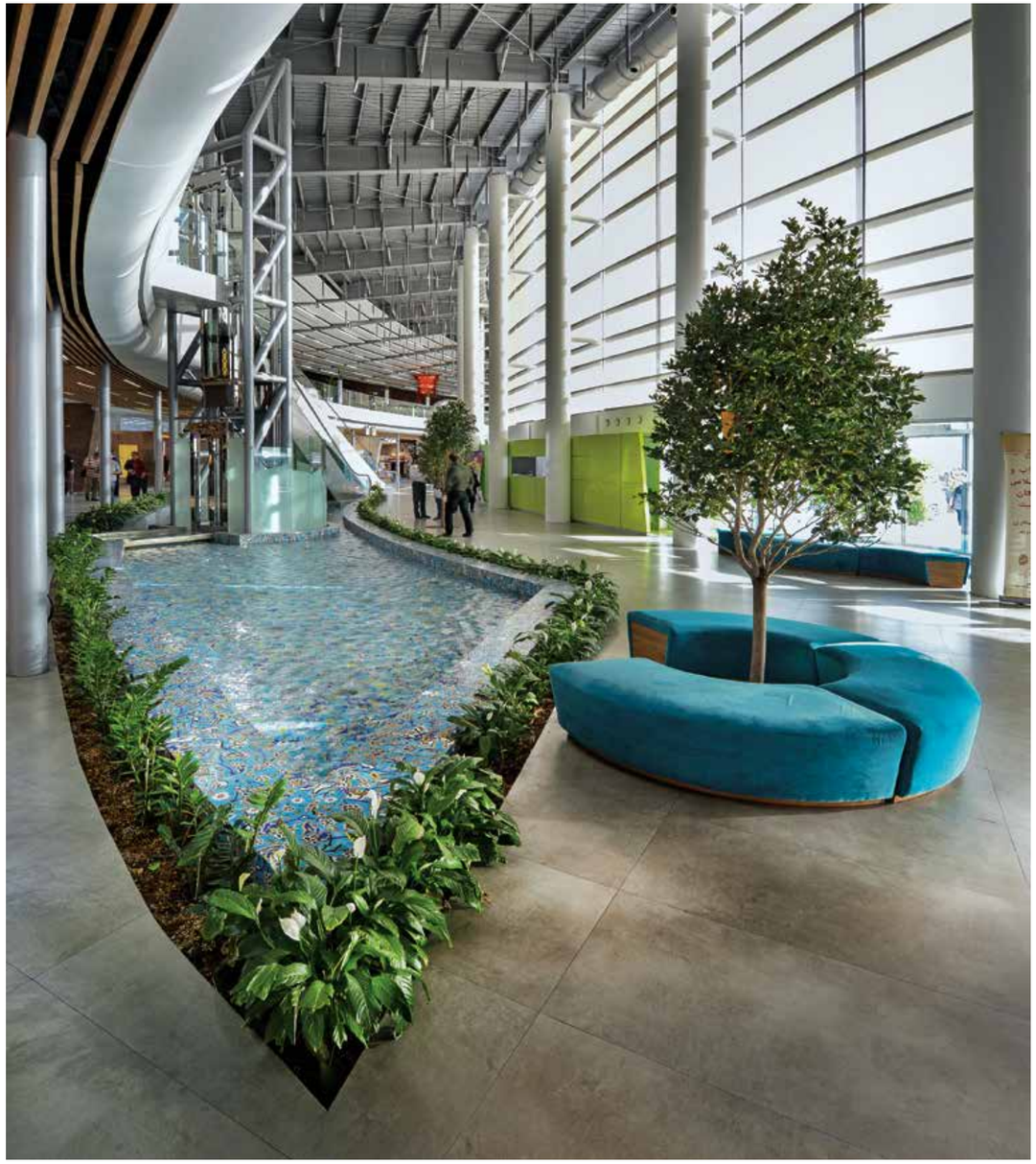
MEHR-O-MAH TOURIST COMPLEX

Client: Sadegh Saedinia | Consultant: Delta Consultant Co. | 2015

The Mehr-O-Mah Tourist Complex is located 6 km from Qom along the Qom-Tehran highway, one of the country's busiest thoroughfares. Spanning approximately 40,000 square meters (430,555 square feet), the complex features nearly 9,000 square meters (96,875 square feet) of internal floor space distributed across two levels. Within the complex, visitors can enjoy several common, open, and public areas. A standout feature of these public spaces is a gracefully curved atrium that seamlessly connects the two floors, enhancing the spatial integration of the entire complex. This atrium extends through single-story layers, creating distinct areas for dining and relaxation.

Scope of Work

Design and engineering, manufacturing, and installation of approximately 2,530 square meters (27,232 square feet) of stick system façade. This includes 1,540 square meters (16,576 square feet) of Asaş aluminum profile system for the curtain walls, 990 square meters (10,656 square feet) of aluminum composite façade, and around 35,000 kilograms (77,162 pounds) of steel works for the reinforcement of curtain walls and substructure components.



SAM COMMERCIAL CENTER

Iran's Building of the Year 2018 | Special Acknowledgment
Middle East Architect Award 2018 | Finalist | Public Sector
SAM Complex Design Competition 2013 | 1st Place | Commercial

Client: Hamghadam Commercial Co. | Architect: Navid Emami - Razan Architecture Office | 2017

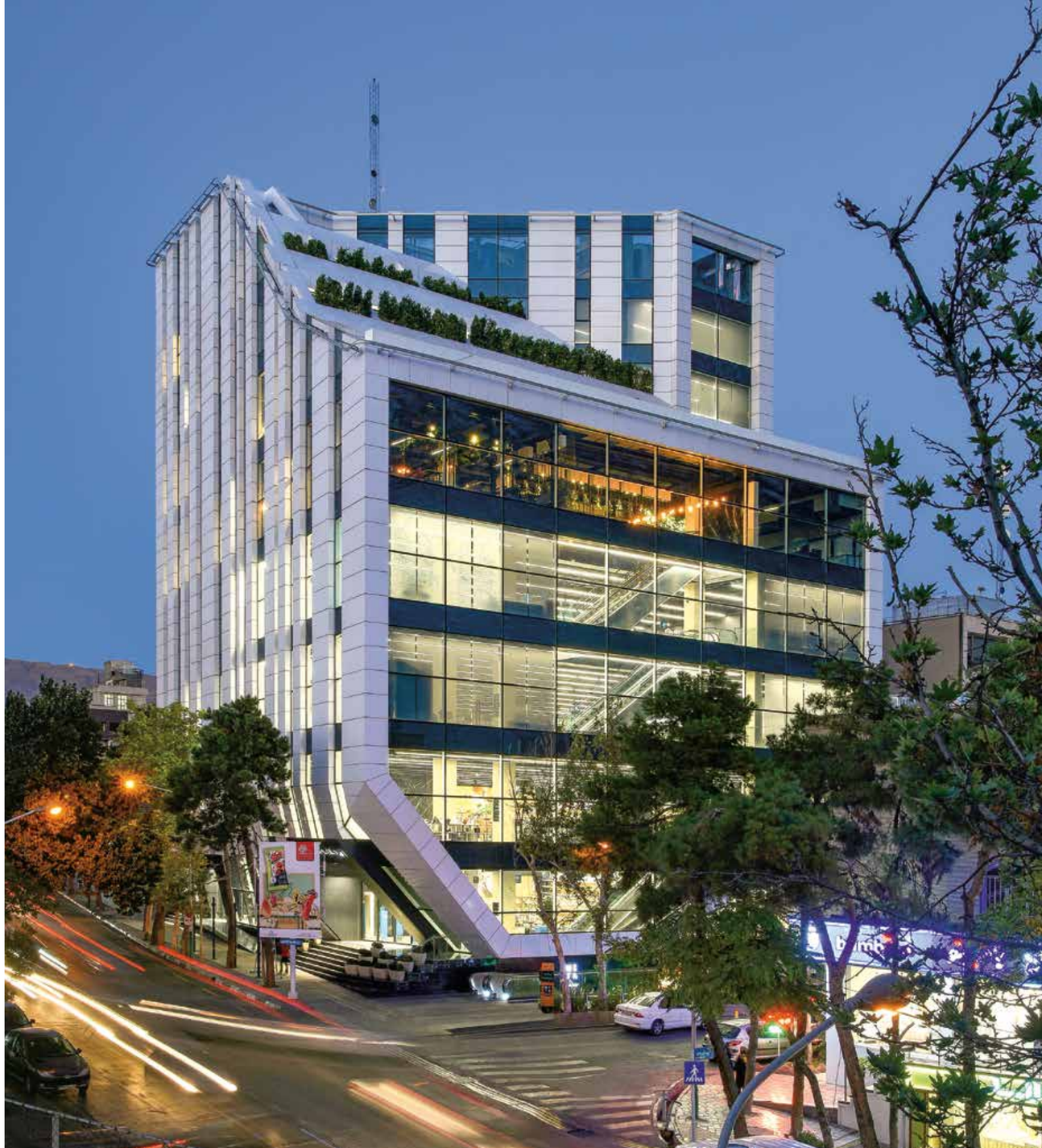
This 18-story commercial building is located on the notable Pasdaran Street in Tehran. Standing at 50 meters (164 feet) tall, it features usable areas totaling 17,000 square meters (183,000 square feet). The architect conceptualized the project in two distinct sections, delineated by an imaginary line, and implemented various strategies to engage with the environment. The lower section of this line was designed for local interaction, while the upper section primarily showcased the project's relationship with the city.

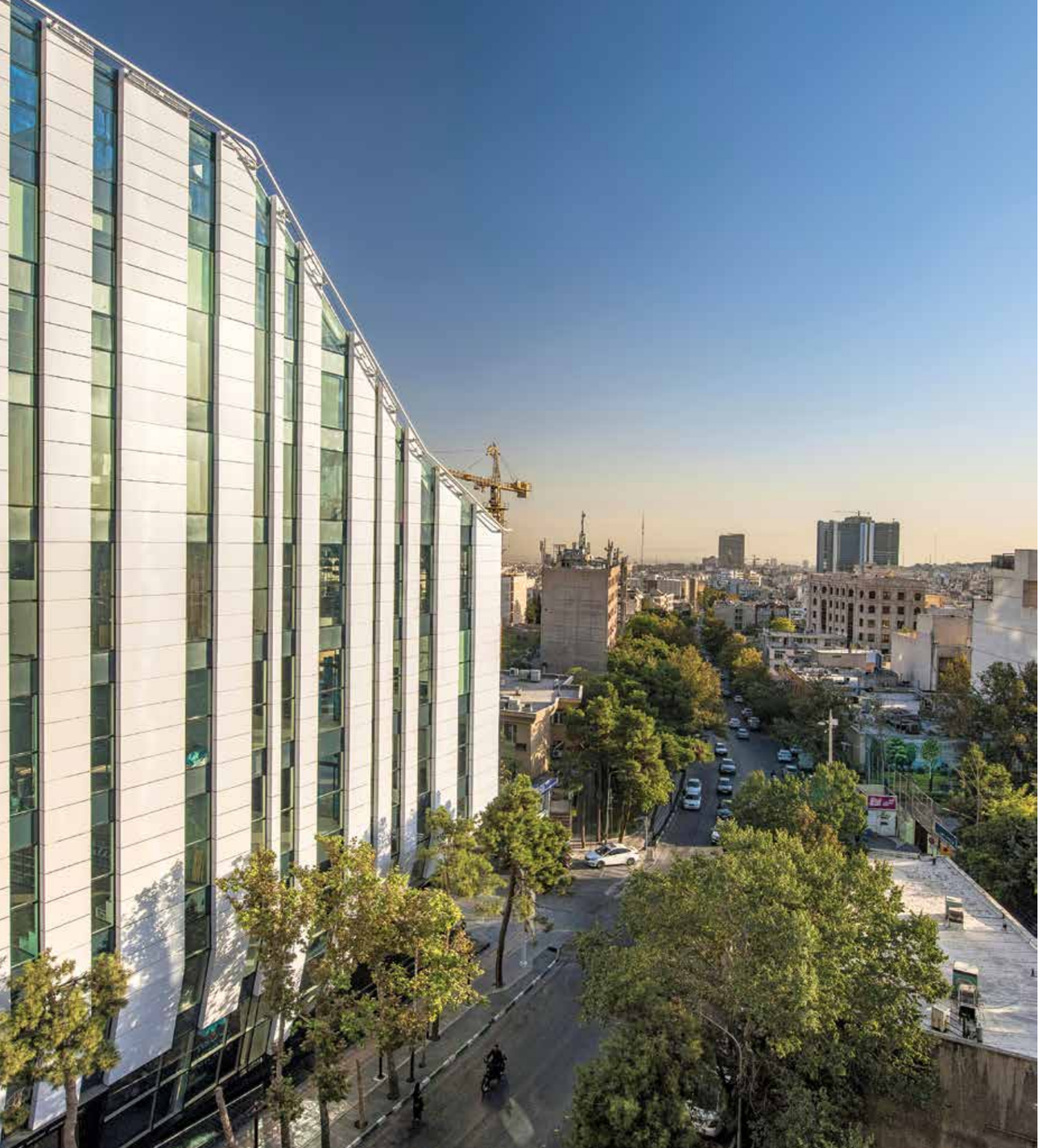
In the lower section, the design facilitates the creation of spaces that encourage citizen engagement, achieved by modifying the form at the main entrance and extending its components into the streets. Additionally, the entrance steps serve as a landscape for pedestrians to pause and enjoy their surroundings. The southern side of the building is cut to form a yard, promoting circulation around the structure.

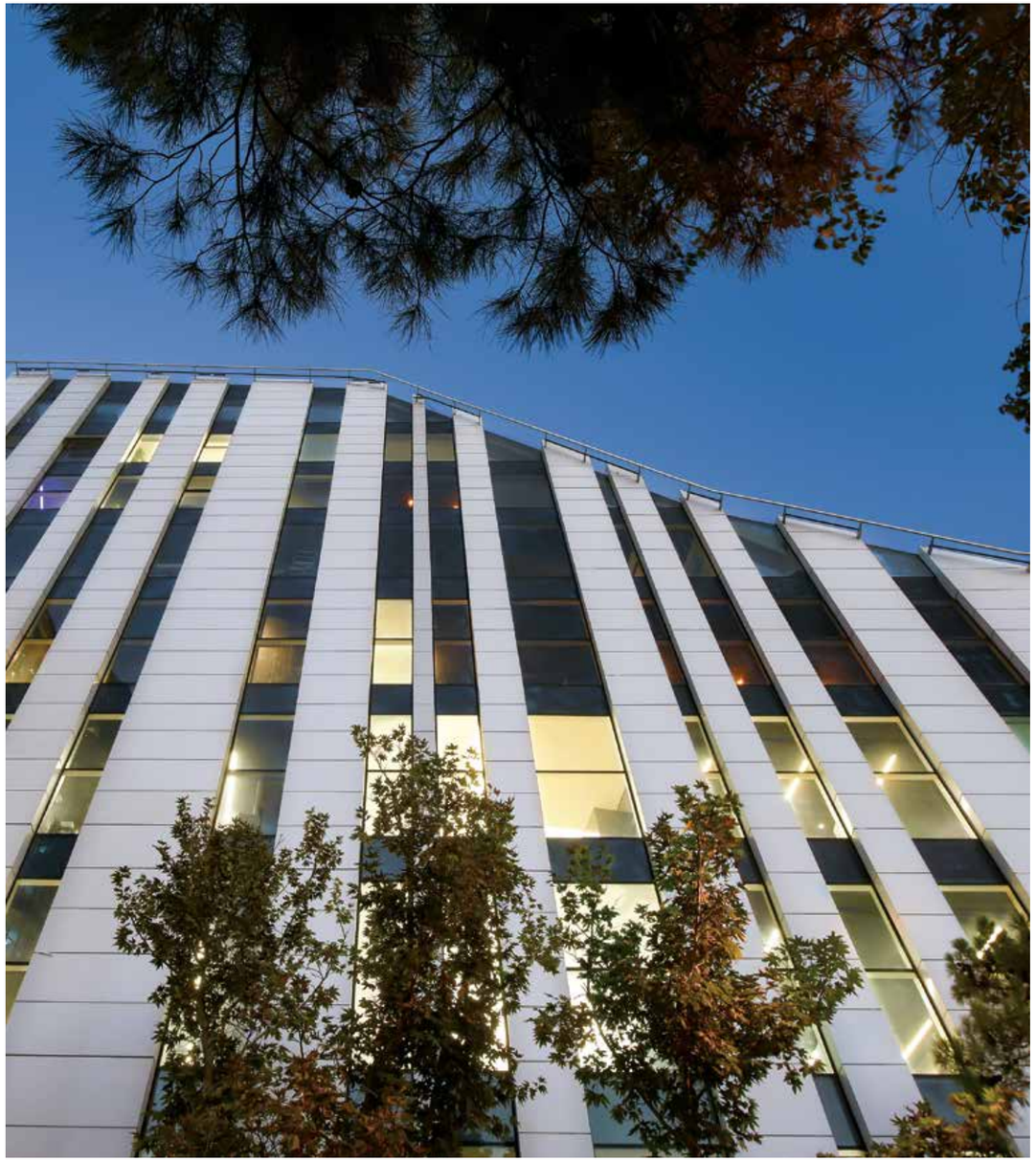
Conversely, the upper section of the imaginary line necessitated a more effective interaction with the city to avoid obstructing citizens' views. To address this, the architect elevated the building's shape, creating a series of terraces and concealing facilities on the roof. Furthermore, the skyline along the narrow Pasdaran Street was designed to be accessible and engaging for pedestrians.

Scope of Work

Design and engineering, manufacturing, and installation of approximately 3,362 square meters (36,188 square feet) of façade. This includes 1,610 square meters (17,330 square feet) utilizing the Hueck aluminum system for curtain walls, along with 1,752 square meters (18,858 square feet) of aluminum composite façade.

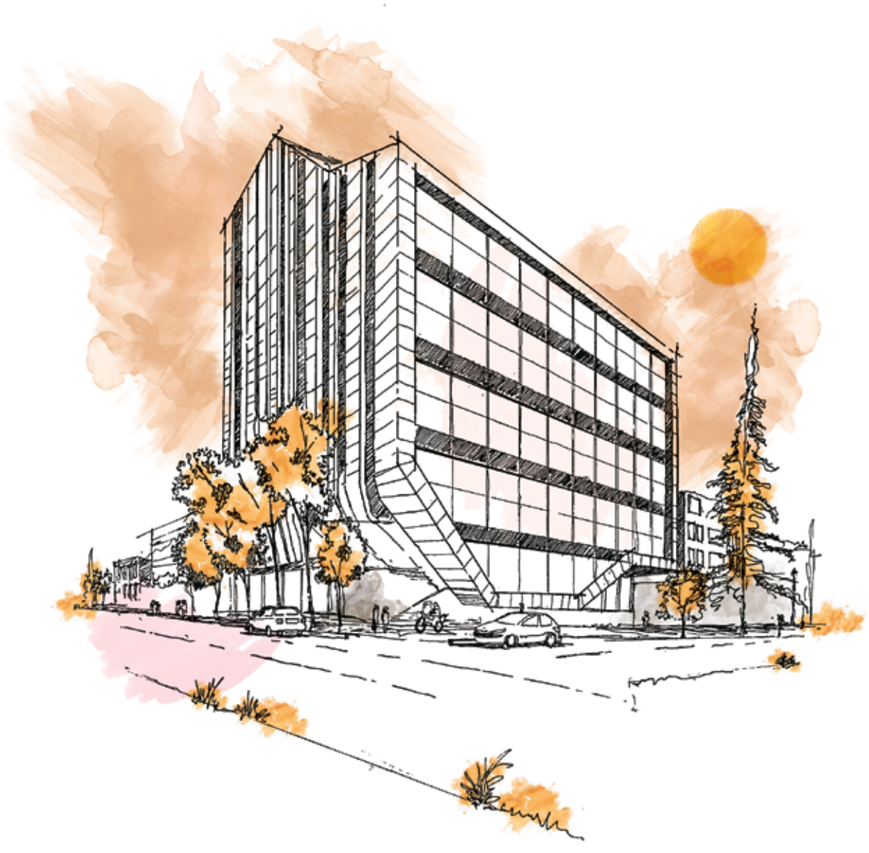


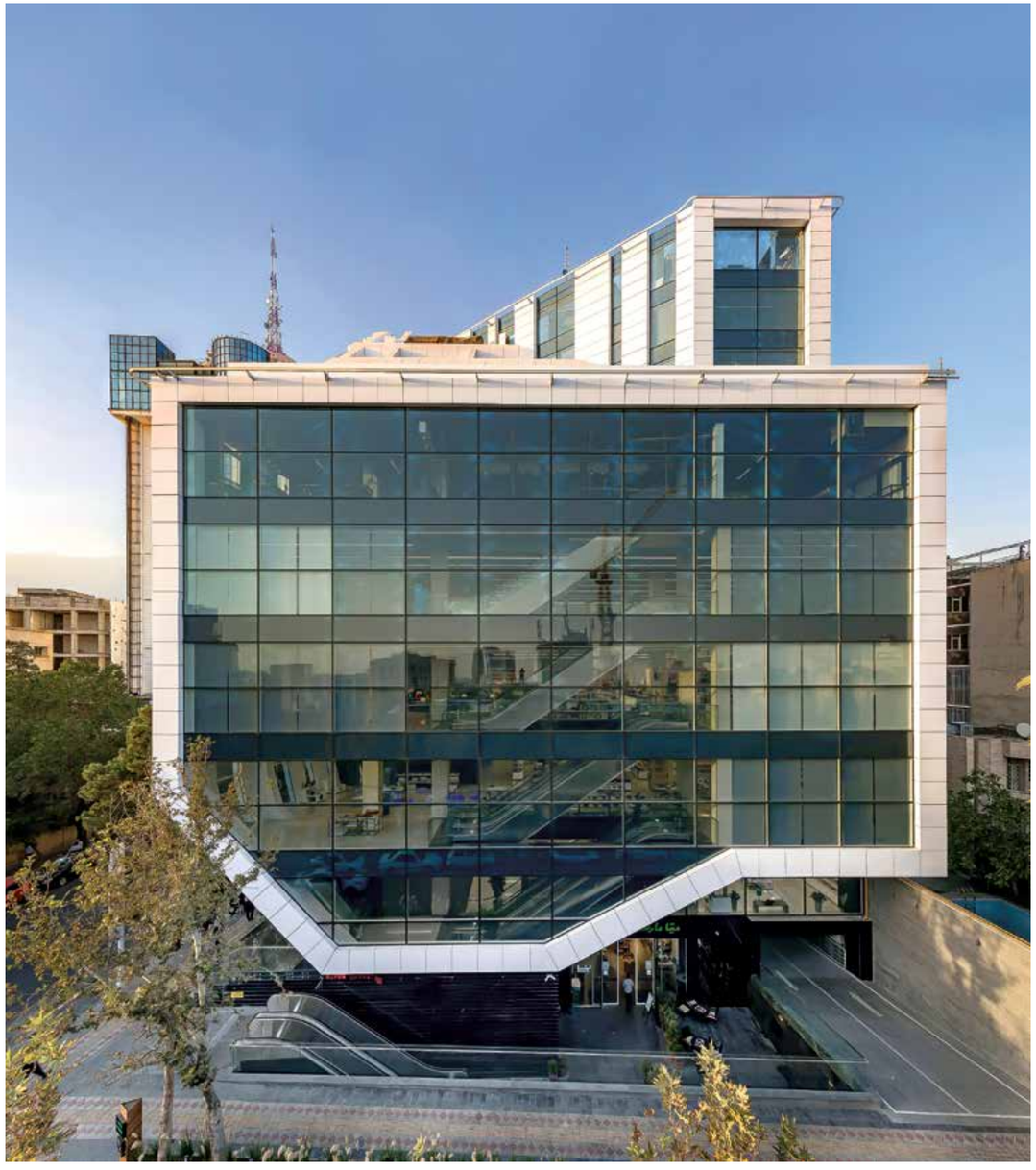




There's nothing I believe in more strongly than getting young people interested in science and engineering, for a better tomorrow, for all humankind.

Bill Nye





BARAN OFFICE COMMERCIAL TOWER

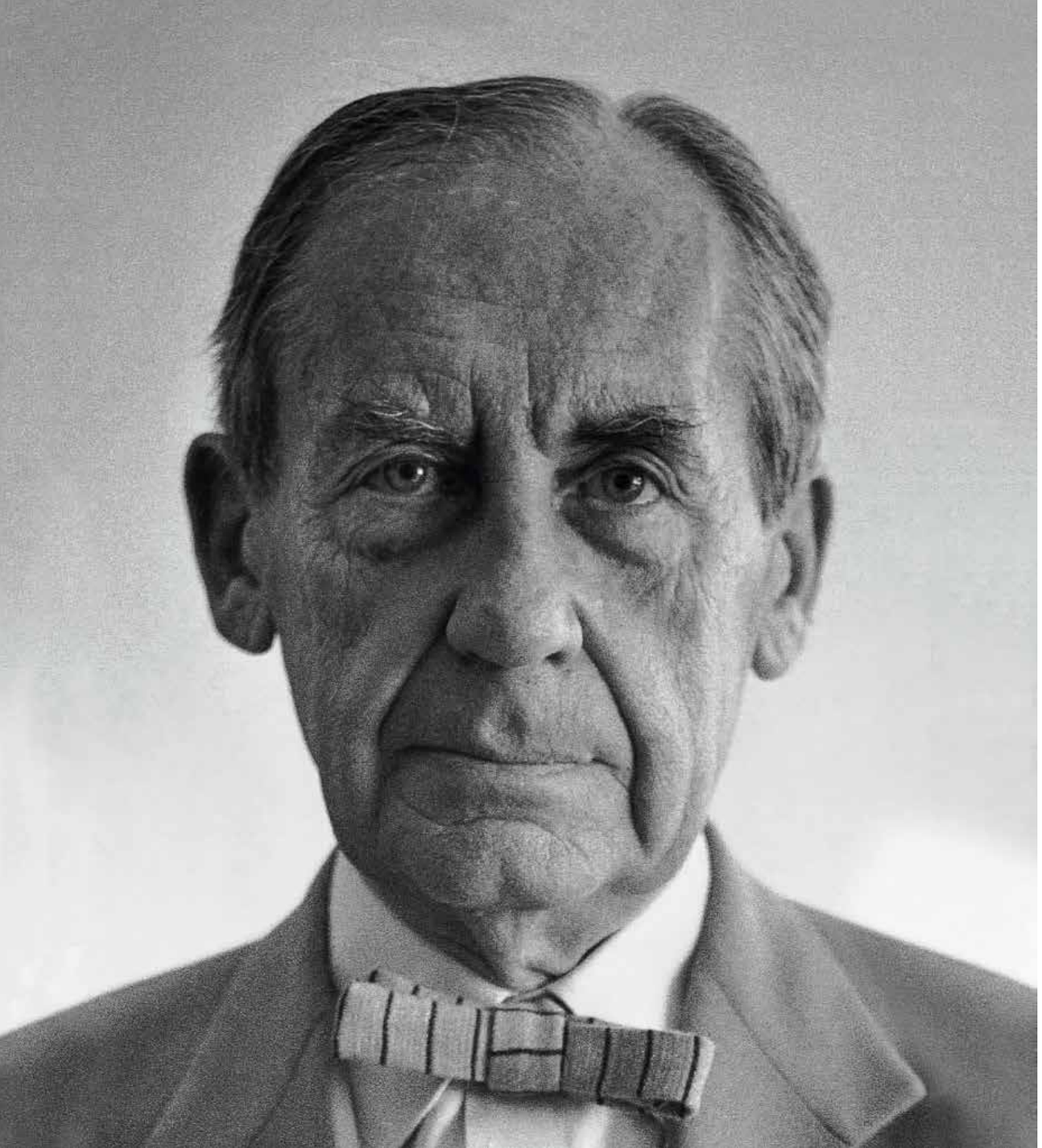
Client: NAJA Cooperation Foundation | Consultant: Naji Sazan Co. | 2023-24

Baran Tower is a commercial high-rise office building located in Tehran, standing at an impressive height of 120 meters (394 feet). This striking structure, currently under construction on Shariati Street in the city's central area, is set to be inaugurated in 2024. With a total of 30 floors, it is designed to stand out prominently among the surrounding buildings.

Scope of Work

Design and engineering, manufacturing, and installation of nearly 40,000 square meters (430,550 square feet) of façade. This includes 22,000 square meters (236,800 square feet) of the Hueck aluminum system for curtain walls and 18,000 square meters (193,750 square feet) of aluminum composite panels, detailed as follows:

- High-rise Building Façade: Features a stick frameless curtain wall and unitized aluminum composite panels, securely mounted on the primary concrete structure and secondary steel substructures.
- Terrace Façade: Comprises a stick frameless curtain wall complemented by various types of doors, canopies, and glass balustrades.
- Ground Floor Main Entrance Façade: Incorporates a stick frameless curtain wall mounted on an exposed steel column-tree structure, complete with revolving doors.



"SPECIALISTS ARE PEOPLE WHO ALWAYS REPEAT THE SAME MISTAKES."

Walter Gropius

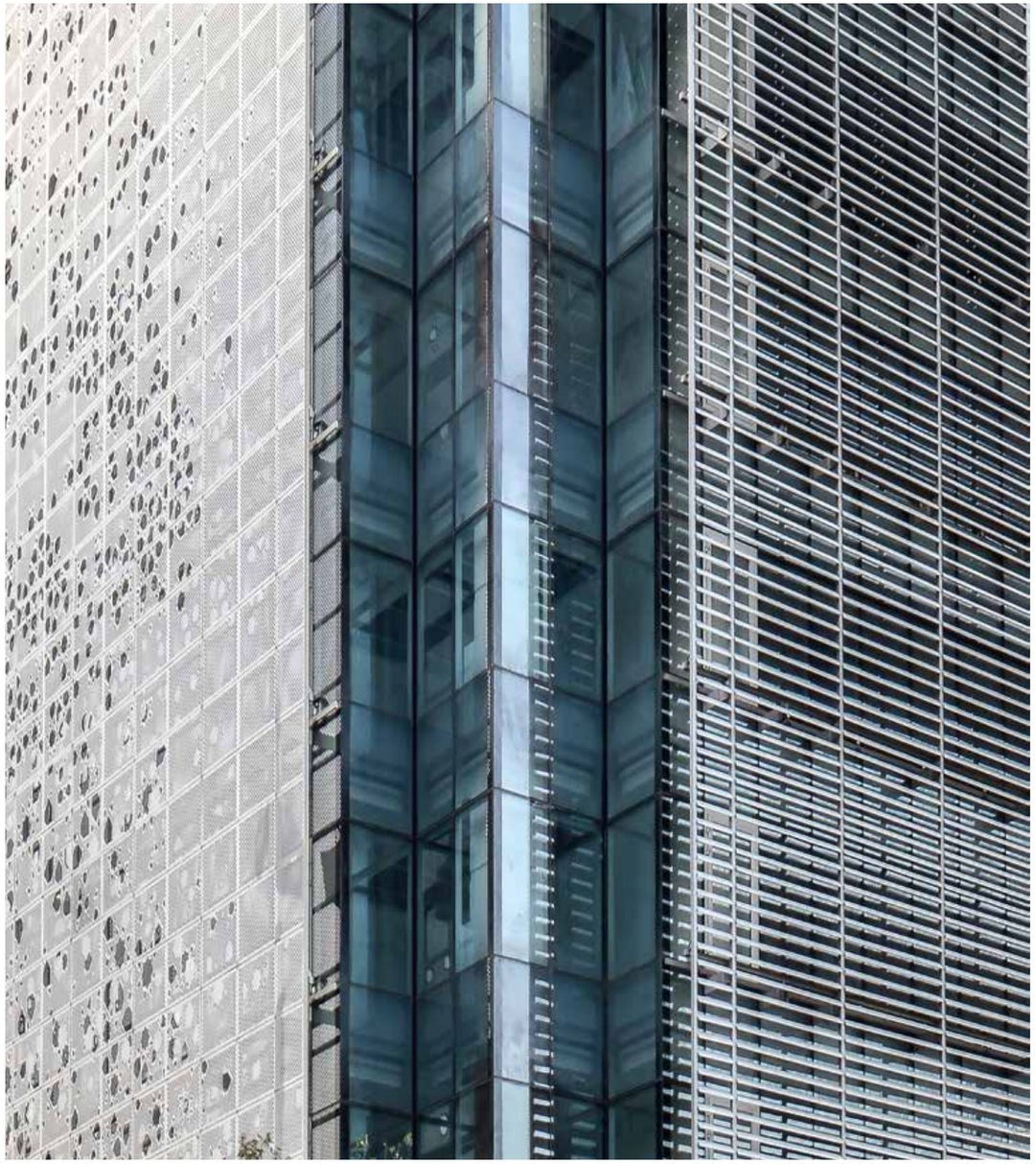
IRAN CHAMBER OF COMMERCE BUILDING

Client: Iran Borgeh Construction Co. | Consultant: Bavand Consultant Co. | 2014

The office building is situated at the northeast intersection of Taleghani Street and Musavi Street in Tehran. This cube-shaped structure stands 46 meters (151 feet) tall and is distinguished by its innovative use of double-skin glass and aluminum components, featuring perforated solid panels on the west elevation and horizontal louvers on the south elevation.

Scope of Work

Design and engineering, manufacturing, and installation of approximately 8,320 square meters (89,555 square feet) of a stick system façade. This includes 5,260 square meters (56,618 square feet) utilizing the Asaş aluminum system for curtain walls, along with 3,060 square meters (32,937 square feet) of solid aluminum and louver façade, which will serve as the outer skin on the south and west elevations. Additionally, over 33,000 kilograms (72,750 pounds) of steel will be used for the substructure components of the outer skin.



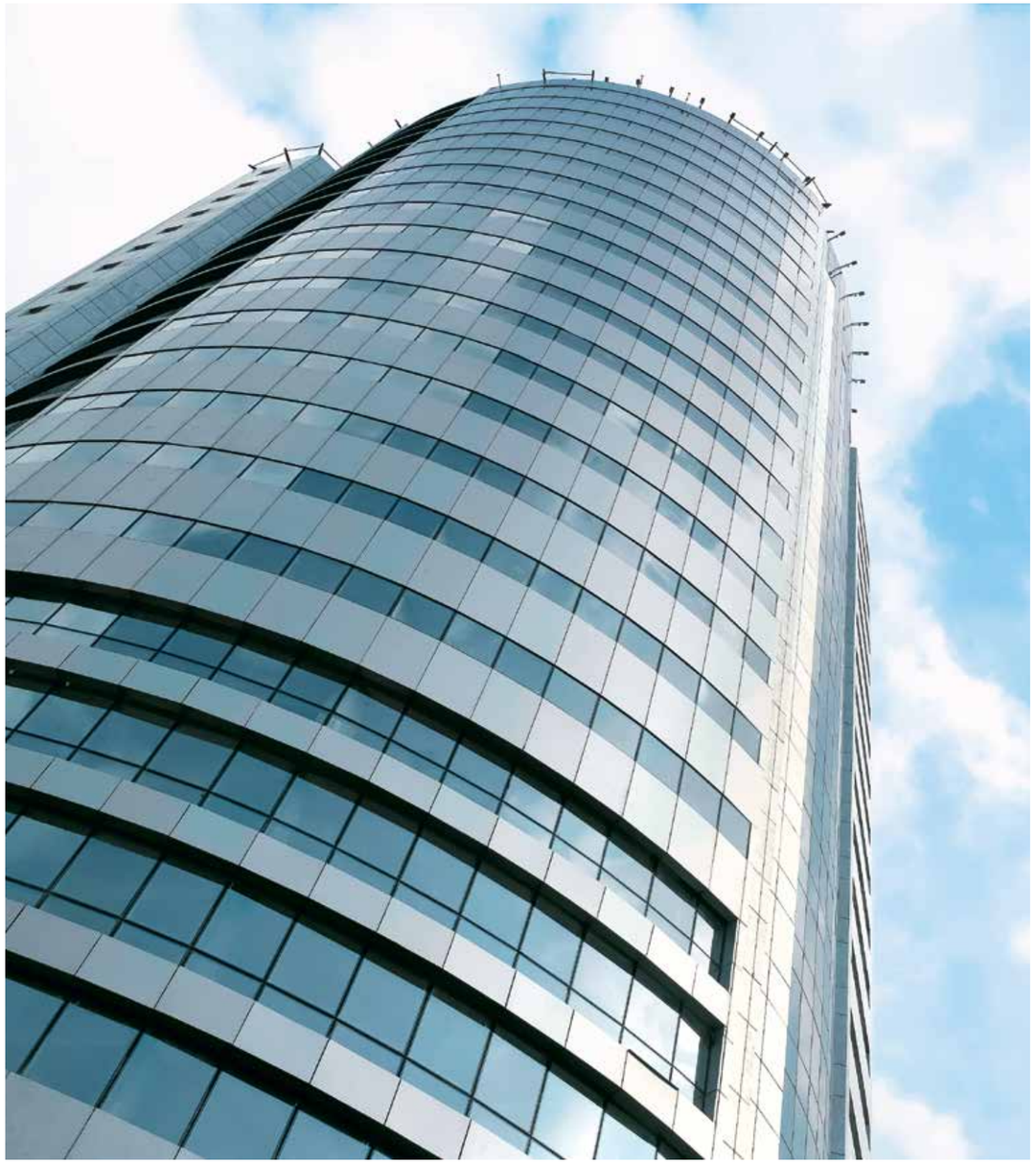
NEGAR OFFICE COMMERCIAL TOWER

Client: Majid Beheshti | Architect: Farzad Daliri | 2004

This 31-story, mixed-use commercial building is located near Vanak Square in Tehran. This landmark blend, for which Alumgostar produced and installed the façade, offers offices and various commercial retail spaces. The specific shape of the building contributes to the business quality of this area.

Scope of Work

Design and engineering, manufacturing, and installation of approximately 10,700 square meters (115,170 square feet) of stick system façade, including 4,000 square meters (43,055 square feet) of the Asaş aluminum system for curtain walls, 5,500 square maters (59,200 square feet) of aluminum composite façade, and 1,200 square meters (12,915 square feet) of tilt and turn high thermal insulation windows.



SETAREH BARAN SHOPPING CENTER

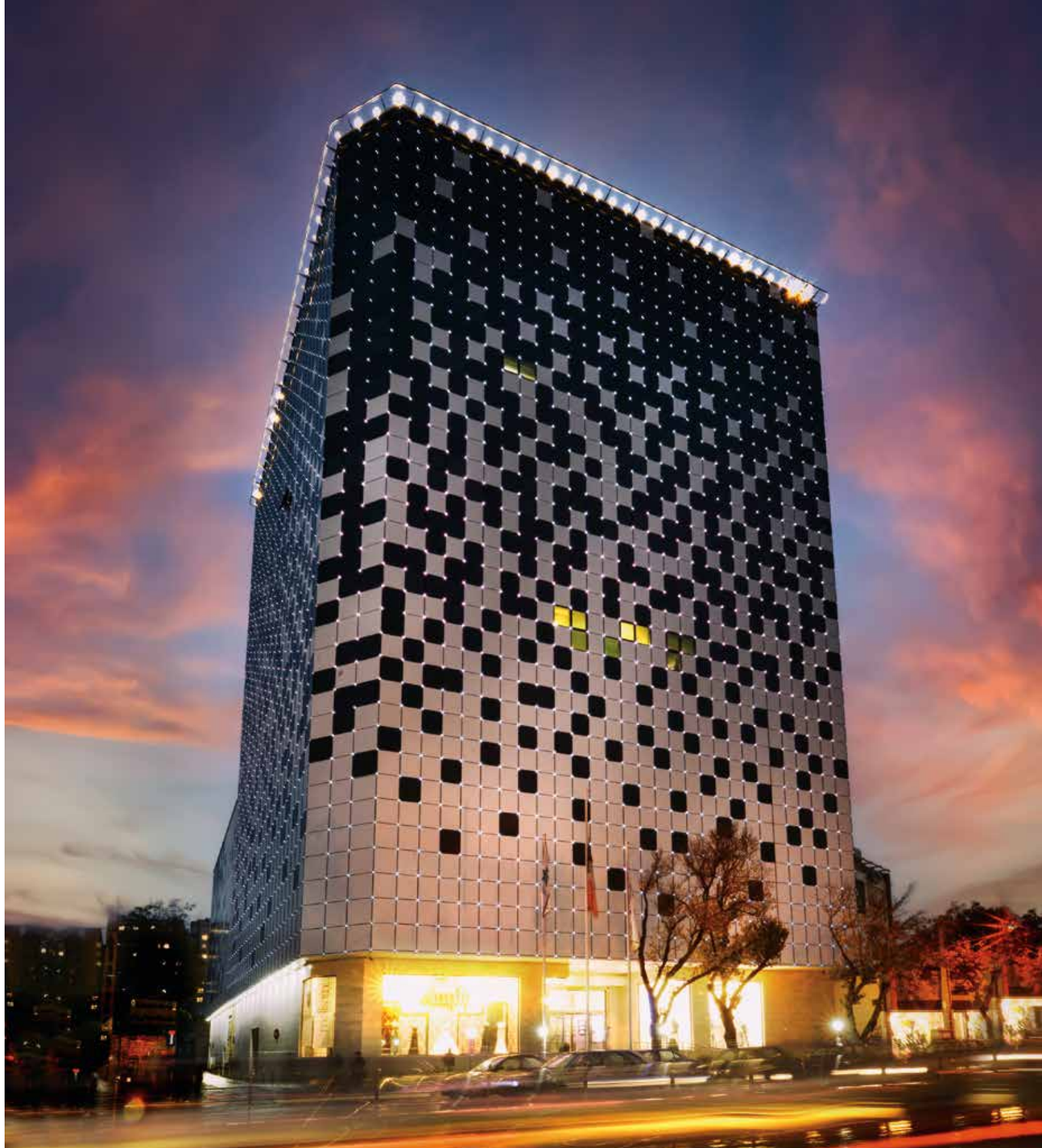
Client: Majid Masoudi | 2014

The Setareh Baran Shopping Center spans 1,150 square meters (12,380 square feet) and is situated on a site of approximately 15,770 square meters (169,750 square feet) in one of the most densely populated districts. This center serves as a vital link between the city and global commerce, facilitating both domestic and international trade.

It stands as one of the city's key trade projects, significantly contributing to the recreational opportunities available to residents. Located on Rah Ahan Avenue, the longest avenue in the city, it connects the western and eastern parts of Tabriz, playing a crucial role in fostering cultural and economic exchanges.

Scope of Work

Design and engineering, manufacturing, and installation of approximately 6,260 square meters (67,382 square feet) of a stick system façade. This includes 5,700 square meters (61,354 square feet) dedicated to curtain wall construction and 560 square meters (6,028 square feet) of aluminum composite façade.



Modern architecture does not mean the use of immature new materials; the main thing is to refine materials in a more human direction.

Alvar Aalto

AZAD UNIVERSITY

SCIENCE & RESEARCH BRANCH

Client: Denavar Co. | Consultant: Atec Consultant Co. | 2015

In November 1985, one of Iran's most significant academic institutions was founded: the Science and Research Branch of the Islamic Azad University (SRBIAU). Situated in the northwest of Tehran, the SRBIAU campus currently houses 16 faculties and 4 research-laboratory centers, providing a diverse array of 334 disciplines at both graduate and doctoral levels.

Scope of Work

Design and engineering, manufacturing, and installation of approximately 21,500 square meters (231,425 square feet) of façade. This includes 9,000 square meters (96,875 square feet) dedicated to an aluminum system for curtain walls, 10,000 square meters (107,640 square feet) of aluminum composite façade, and around 2,500 square meters (26,910 square feet) of dry ceramic facade.

Distance gives a clearer view. You can’t see the façade of a building while staying inside.

Michael Bassey Johnson, Maxims, Poems and Anecdotes

GOL GOHAR OF SIRJAN HEAD OFFICE

Client: Rahga Construction Co. | Consultant: Farayand Memari Consultant Co. | 2024-25

Gol Gohar mineral area, rich in iron ore deposits, stands as one of the most prominent mineral-industrial hubs in the Middle East, with vast potential to grow into a major competitive zone both within Iran and globally. These valuable mineral reserves are located in Kerman Province.

The new headquarters buildings, situated in Sirjan City, consist of two cylindrical six-story structures connected to rectangular cubes on the lower floors. The external walls of these buildings are clad with a Face Cap Curtain Wall system. To shield the interiors from intense sunlight, an aluminum louver shell is positioned 70 cm from the building façade Additionally, service passages have been incorporated between the two shells for ease of maintenance and servicing.

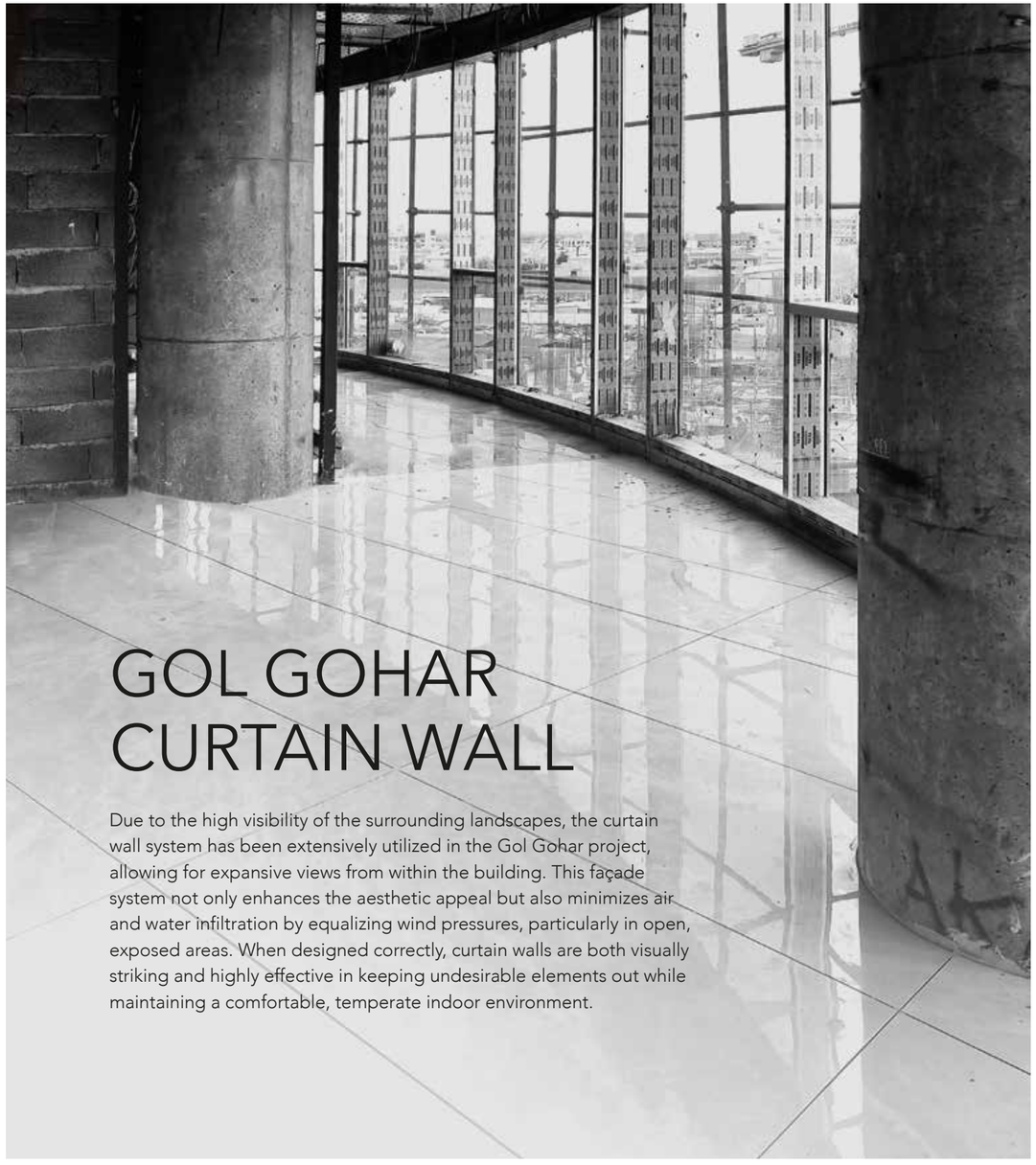
In the non-transparent sections of the building, ceramic cladding is used, with a hidden installation system for a sleek, seamless appearance. The thoughtful application of these materials contributes to the buildings' striking and modern aesthetic.

Scope of work:

Executive design, Engineering Calculations, project management, and installation of 5200 square meters curtain wall, 2800 square meters ceramic, 25000 meters aluminum louver, and 1250 meters galvanized steel grating.

Given the intense and direct sunlight in the region, combined with the extensive use of transparent glass surfaces in the project, it is essential to implement strategies to block the strong sunlight from entering the building. Installing aluminum louvers at an optimal distance from the curtain wall effectively addresses this need.

The incorporation of spandrel glass and shadow boxes in front of the floor slabs not only conceals the curtain wall and grating connections but also enhances the building's sound and heat insulation. Additionally, this design feature helps prevent the spread of smoke and flames during a fire, ensuring improved safety between adjacent floors.



GOL GOHAR CURTAIN WALL

Due to the high visibility of the surrounding landscapes, the curtain wall system has been extensively utilized in the Gol Gohar project, allowing for expansive views from within the building. This façade system not only enhances the aesthetic appeal but also minimizes air and water infiltration by equalizing wind pressures, particularly in open, exposed areas. When designed correctly, curtain walls are both visually striking and highly effective in keeping undesirable elements out while maintaining a comfortable, temperate indoor environment.

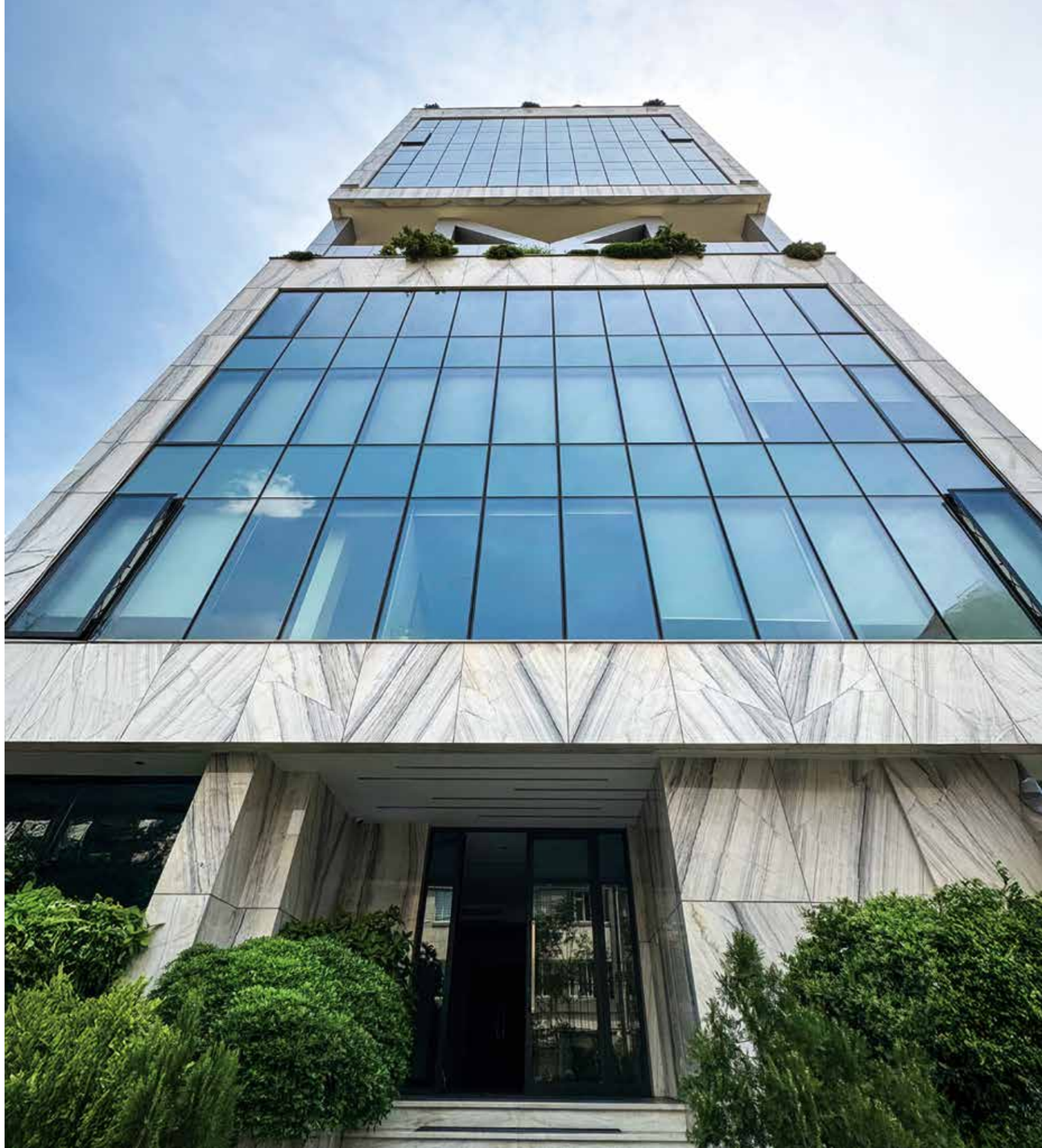
ARASH OFFICE COMMERCIAL BUILDING

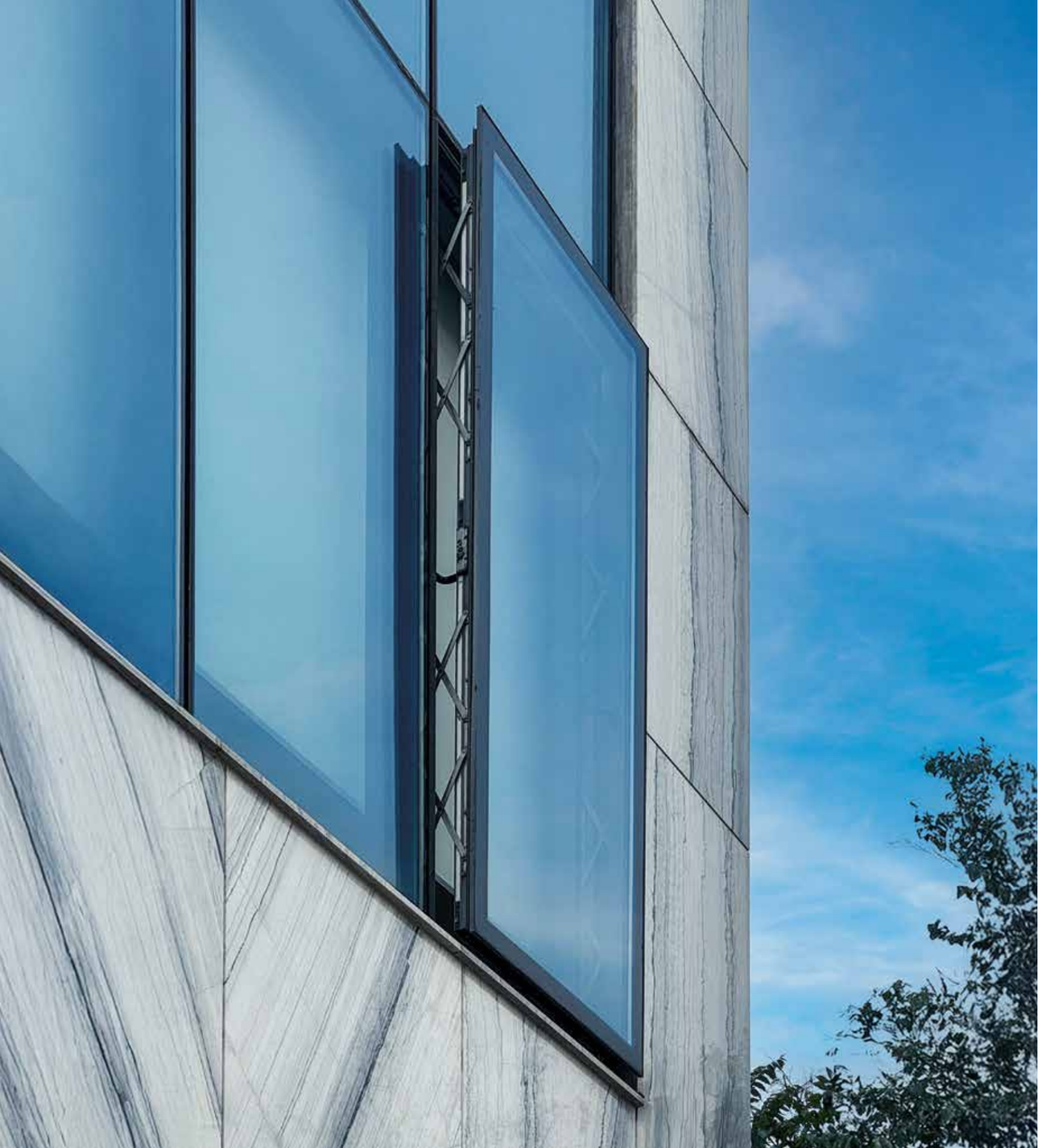
Client: M.E. Javaherchi | Consultant: M.E Javaherchi | 2015

This 12-story building is situated in the semi-northern region of Tehran. Standing at a height of 46 meters (151 feet), it features a distinctive unitized Hueck aluminum curtain wall system, which is produced and glazed at a façade factory before being transported to the construction site. Additionally, the building showcases parabolic-shaped glass fins that are utilized for point-fixed glazing on the elevated ground floor.

Scope of Work

Design and engineering, manufacturing, and installation of approximately 2,380 square meters (25,618 square feet) of façade. This includes 1,045 square meters (11,248 square feet) of unitized curtain wall, 200 square meters (2,153 square feet) of point-fixed glazing supported by 6.4 meters (21 feet) of glass fins, and 1,135 square meters (12,217 square feet) of louver and aluminum composite façade.





KISH ISLAND'S HALL & EXIBITION BULDING

Client: Denavar Co. | Consultant: Atec Consultant Co. | 2006

Kish Island is strategically located in the Persian Gulf, surrounded by numerous large and small islands. Renowned for its stunning beauty since ancient times, it is often referred to as the Pearl of the Persian Gulf.
Kish Hall serves as a versatile venue for international exhibitions, speeches, catering events, concerts, and fashion shows. This expansive complex covers approximately 7,000 square meters (75,350 square feet) and is situated in the northeastern part of Kish Island.

Scope of Work
Design and engineering, manufacturing, and installation of over 4,600 square meters (49,515 square feet) of stick system façade. This includes 1,100 square meters (11,840 square feet) of curtain wall, approximately 3,500 square meters (37,675 square feet) of aluminum composite panels, and around 5,050 meters (16,568 feet) of aluminum louvers.

PERSIAN GULF INTERNATIONAL AIRPORT

Client: Engineering Company for Housing and Industrial Zones | Consultant: Rah Shahr Consultant Co. | 2005

Persian Gulf (Assaluyeh) International Airport is situated near the coast of the Persian Gulf in Bushehr Province. It primarily serves both international and domestic flights, with scheduled and chartered passenger services available daily to various cities within Iran and international destinations, including weekly flights to Dubai, operated by a range of domestic airlines.

Scope of Work

Design and engineering, manufacturing, and installation of two distinct types of façade, covering a total area of 4,300 square meters (46,285 square feet). This includes 800 square meters (8,610 square feet) of glass façade units and 3,500 square meters (37,675 square feet) of aluminum composite panels. The airport's transparent façade shows a frameless curtain wall, which is supported by a stick-system steel structure.

OMAN

OPAL BIO PHARMA

Client: OBP Company | Consultant: Archmed Company - Bardia Moattar | 2025

The Opal BioPharma Vaccine Factory in Muscat, Oman, represents a groundbreaking approach to healthcare design within an industrial context. Spanning 37,500 square meters in Khazaen Industrial City, the project centers on producing therapeutic vaccines, with its design embodying a commitment to health, environmental mindfulness, and staff well-being. Reflecting Opal's mission of safeguarding life, the building mirrors its purpose: to protect and promote health.

The layout strategically integrates production and administration areas around a central courtyard, a shaded oasis symbolizing life and connection. This courtyard, adorned with greenery, provides staff with a restful escape from Oman's intense heat, fostering an environment of rejuvenation amid challenging work conditions. It serves as a unifying element, embodying the protective concept of the «Tree of Life» and promoting natural ventilation and energy efficiency.

Recognized as one of Oman's top 10 national projects, the Opal BioPharma Factory is a testament to integrating health, industry, and ecological design. The project harmonizes form and function, ensuring an efficient and nurturing workspace that aligns with both Opal's vision and the needs of its workforce.

Scope of Work:
Executive design, engineering calculations, project management, and installation of:

- 5300 square meters of curtain wall -structural glazing system
- 4400 linear meters of aluminium louver

AMIRAN ROCK HOTEL

Client: Aziz Ali Nemati | Consultant: Kambiz Arami - Arshen Consulting Engineers | 2025

Amiran Rock Hotel is situated on a 12,000 square-meter plot at a high point in the scenic city of Khorram Abad, overlooking a rock park and offering panoramic views of the entire city. The hotel's striking architecture is inspired by the traditional clothing of the people of Lorestan, combined with the endless vista of the surrounding landscape, making it a potential tourist attraction in Khorram Abad. The façade of this impressive building blends a curtain wall system with expansive glass surfaces and a GFRC façade, which incorporates limited spindle-shaped louvers. These louvers not only reduce sunlight intensity but also create a harmonious relationship with other spindle-shaped volumes on the building's façade.

Given the building's function as a hotel, isolating adjacent rooms—both through the floor slabs and side walls—is a key concern, particularly in conjunction with the curtain wall system. This challenge is effectively addressed with the use of flexible galvanized sheets, stone wool insulation, and fireproof sealants, ensuring excellent sound and thermal insulation while preventing the spread of smoke and fire.

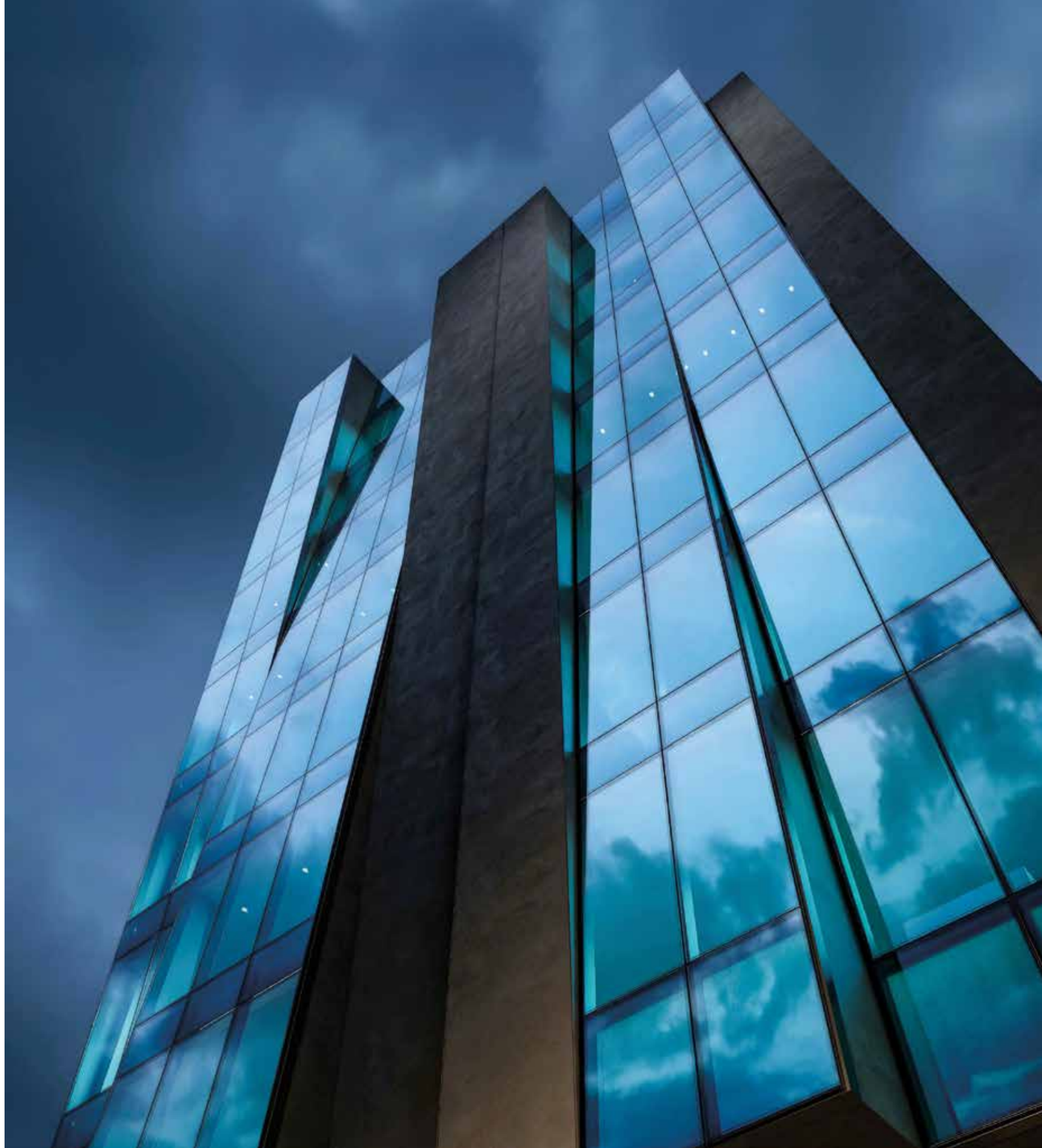
ARG PROJECT

Client: Omran Arg | Contractor: Abadis Company | 2025

Located in a prominent urban development, the Arg Project exemplifies a refined integration of advanced façade systems and high-performance materials. Alumgostar was responsible for the complete engineering, procurement, and installation of the sloped unitized curtain wall façade system, offering superior thermal insulation, rapid on-site assembly, and seamless architectural appearance.
The project also features Lift & Slide window systems designed to optimize natural light, thermal efficiency, and effortless operation. Additionally, fiber cement board panels were utilized to ensure durability, low maintenance, and aesthetic harmony within the building's overall design.

Scope of Work
Design and engineering, procurement, manufacturing, and installation of:

- Unitized curtain wall façade system
- Lift & Slide window systems
- Fiber cement board cladding



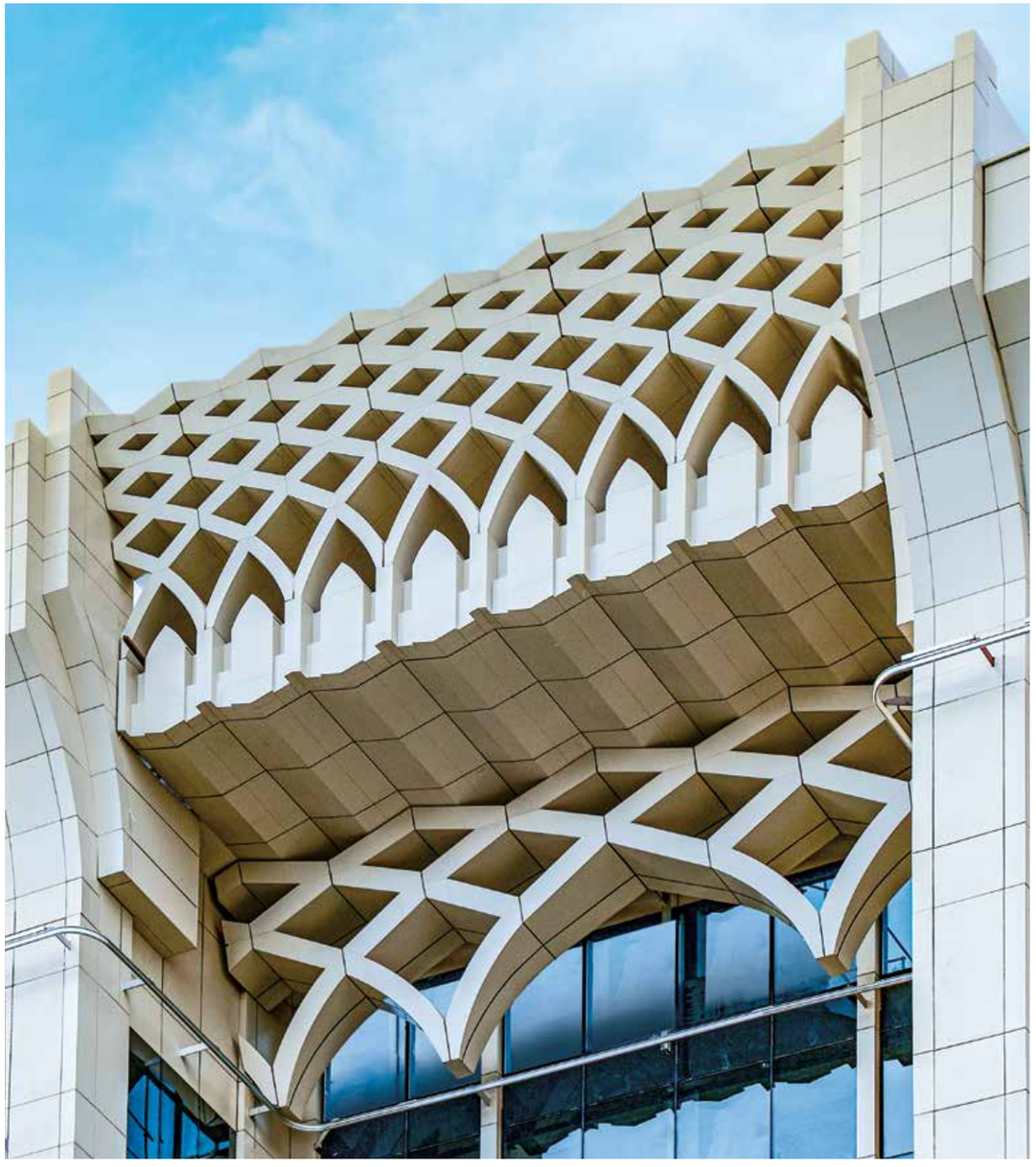

“Without hustle, talent will
only carry you so far.”
Gary Vaynerchuk

ARTEMIS OFFICE COMMERCIAL CENTER

Client: Hamid Haji Hosseini | 2015

Artemis is situated in the northern region of Tehran and consists of two interconnected sections:
the 56 meter (184 foot) North building and a smaller three-story South building. The North building will feature a primarily stick system façade, characterized by vertical solid strips and unitized decorative architectural elements adorning its sides and crown, all supported by a prefabricated steel substructure.

Scope of Work
Design and engineering, manufacturing, and installation of approximately 11,700 square meters (125,940 square feet) of façade. This includes around 4,500 square meters (48,440 square feet) utilizing the Hueck aluminum system for curtain walls, 7,200 square meters (77,500 square feet) of aluminum composite façade, and over 65,000 kilograms (143,300 pounds) of steel for skylights and decorative architectural elements.



AVA GOLESANG RESIDENTIAL BUILDING

Client: Mofakham and his Colleagues | Consultant: Hadi Khiabani - Arvand Consulting Engineers | 2007

This 24-story residential tower stands on a 1,700 square meters (18,300 square feet) site, offering more than 13,600 square meters (146,390 square feet) of usable space. It is situated in the northern part of Tehran, in the Niavaran district's distinguished Golesang neighborhood.
Golesang, renowned for its prime location and scenic surroundings, was the owner's chosen site for this luxury residential development. The building features a grand lobby with an impressive height of over 7 meters (23 feet), while its spacious balconies provide fresh air and a relaxing atmosphere. Driven by a passion for innovative architectural solutions, the owner recognized the site's exceptional potential. Its panoramic views and distinctive characteristics made it an ideal canvas for a remarkable residential landmark. The architectural design is defined by the tower's gently spiraling, curved façade, which gracefully ascends toward the sky, creating a dynamic and elegant presence in the city skyline.

Scope of Work

Design and engineering, manufacturing, and installation of approximately 5,300 square meters (57,050 square feet) of stick system façade. This includes 200 square meters (2,155 square feet) of curtain wall and 5,100 square meters (54,895 square feet) of aluminum composite façade.

Building art is a synthesis of life in materialized form. We should try to bring in under the same hat not a splintered way of thinking, but all in harmony together.

Alvar Aalto

IRAN MALL

BANQUET HALL OF HOTEL

Client: Paydar Pey Sazeh Company | 2019

A five-star hotel is currently under construction in the eastern zone of Iran Mall, featuring a striking gold-colored cylindrical building on its west side that immediately captures attention. The exterior wall system consists of anodized aluminum sheets, meticulously fabricated into various modular and custom dimensions to match the architect's specified wall height and length. This project stands out for its distinctive façade design, manufacturing, and installation. The numerous complex and varied elements align seamlessly with Alumgostar's comprehensive range of services.

Scope of Work

Design and engineering, manufacturing, and installation of approximately 4,000 square meters (43,055 square feet) of solid aluminum panels, and 1,470 square meters (15,820 square feet) of standing seam metal roofing system.

SIVAN COMMERCIAL & RESIDENTIAL TOWERS

Client: Sivan group | Consultant: Sirvan Group | 2023-24

The Sivan project is a versatile tower located on a 7,000 square-meter plot in one of the most desirable areas of Mazandaran Province. It features both commercial and residential units, with the first two floors dedicated to commercial use and the upper 10 floors reserved for residential spaces. A hanging garden separates the commercial and residential sections.
The project's façade is thoughtfully designed to reflect its dual purpose, seamlessly blending commercial and residential elements. The use of modern, high-end materials such as curtain walls, Aqua Panel cement boards, metal punch panels, and glass handrails creates a striking, contemporary appearance, immediately conveying the building's unique and sophisticated character.

Scope of work:
Executive design, engineering calculations, project management, and installation of:

- 1,800 square meters of curtain wall
- 8,000 square meters of Aquapanel
- 2,500 square meters of perforated metal using the unitized system
- 1,600 linear meters of glass handrail

Attractions and Environment

The primary attraction of Sivan Towers lies in its exceptional location. Situated in the scenic Noor area along the Izadshahr beach, the tower offers breathtaking views on one side of the coastline and, on the other, the timeless beauty of the Chilk forest.

While the proximity to the sea enhances the appeal of the project, it also presents challenges due to harsh weather conditions, high humidity, and the presence of salt, which increase the risk of corrosion. As a result, selecting durable materials, designing effective connections, and applying robust anti-corrosion coatings have been critical aspects of the project, presenting ongoing challenges in ensuring the building's longevity.

Glass Handrail
Combining safety and security with elegance, while offering maximum transparency and visibility.

PERFORATED METAL

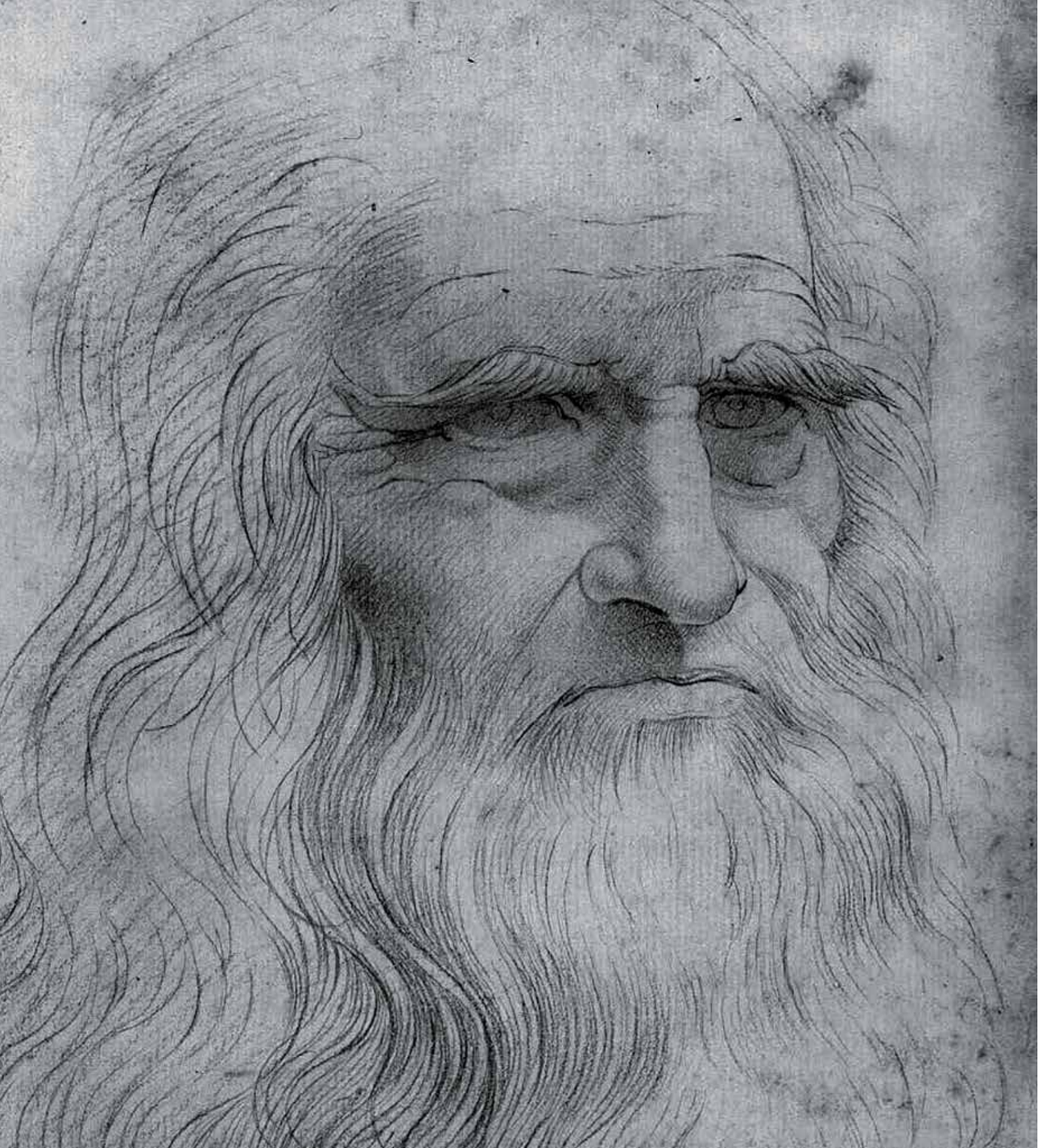
Perforated metals are sheets of steel or aluminum that have been stamped or punched with decorative shapes and holes for both functional and aesthetic purposes. The perforation process can create a variety of geometric patterns and designs, offering versatile solutions that enhance both the appearance and performance of a structure.

In the Sivan project, the metal punch system, designed using parametric principles and produced with CNC machines on a 2-mm-thick aluminum sheet, is coated with electrostatic powder paint to create a distinctive visual effect. The incorporation of a unitized system for the construction, framing, and installation of the punched metal represents an innovative approach in the execution of this project.

CURTAIN WALL

The curtain wall is one of the most iconic features of modern architecture. Today's buildings often showcase innovative and highly efficient curtain wall systems made from lightweight materials such as glass, stone, aluminum, marble, metal, or composites. These systems help minimize air and water infiltration by balancing the significant wind pressures on high-rise structures. When designed properly, they are not only visually striking but also highly effective at keeping undesirable elements out while maintaining a comfortable indoor environment.

In the Sivan project, the curtain wall system has been extensively used due to its ability to offer unobstructed views of the surrounding landscapes, allowing occupants to enjoy the beauty of their environment from within the building.



"BEAUTY PERISHES IN LIFE, BUT IS IMMORTAL IN ART."

Leonardo da Vinci

NARENJ 8 RESIDENTIAL TOWER

Client: Nepa Sazeh Company - Mr. Yaghoubi | 2024-25

The Narenj 8 project is one of the most luxurious developments in Tehran's 22nd district, located to the west of Chitgar Lake. This residential tower is part of the Chitgar town complex and stands as one of its prominent landmarks.

With 39 floors and 404 residential units, Narenj 8 is designed in an elegant oval shape, consistent with the architectural style of other towers in the area. The tower's structure is supported by a metal frame, utilizing bolt-and-nut connections for enhanced stability.

Narenj 8 offers stunning views from multiple sides. To the south, residents enjoy views of the National Botanical Garden and Chitgar Forest Park, while the middle floors also provide glimpses of the lake to the east. From the north side, the tower offers a scenic view of the mountains and the Thousand-and-One-Night's amusement park. Maximizing these expansive vistas was a key goal in the architectural design, which is why each unit features a balcony, and the windows are designed to extend vertically.

For the transparent sections, a glass curtain wall system was chosen, while the opaque surfaces utilize a ceramic invisible system for a sleek, modern look. The integration of curtain walls and spandrel glass elements on non-transparent surfaces further enhances the tower's sophisticated aesthetic.

Scope of work:

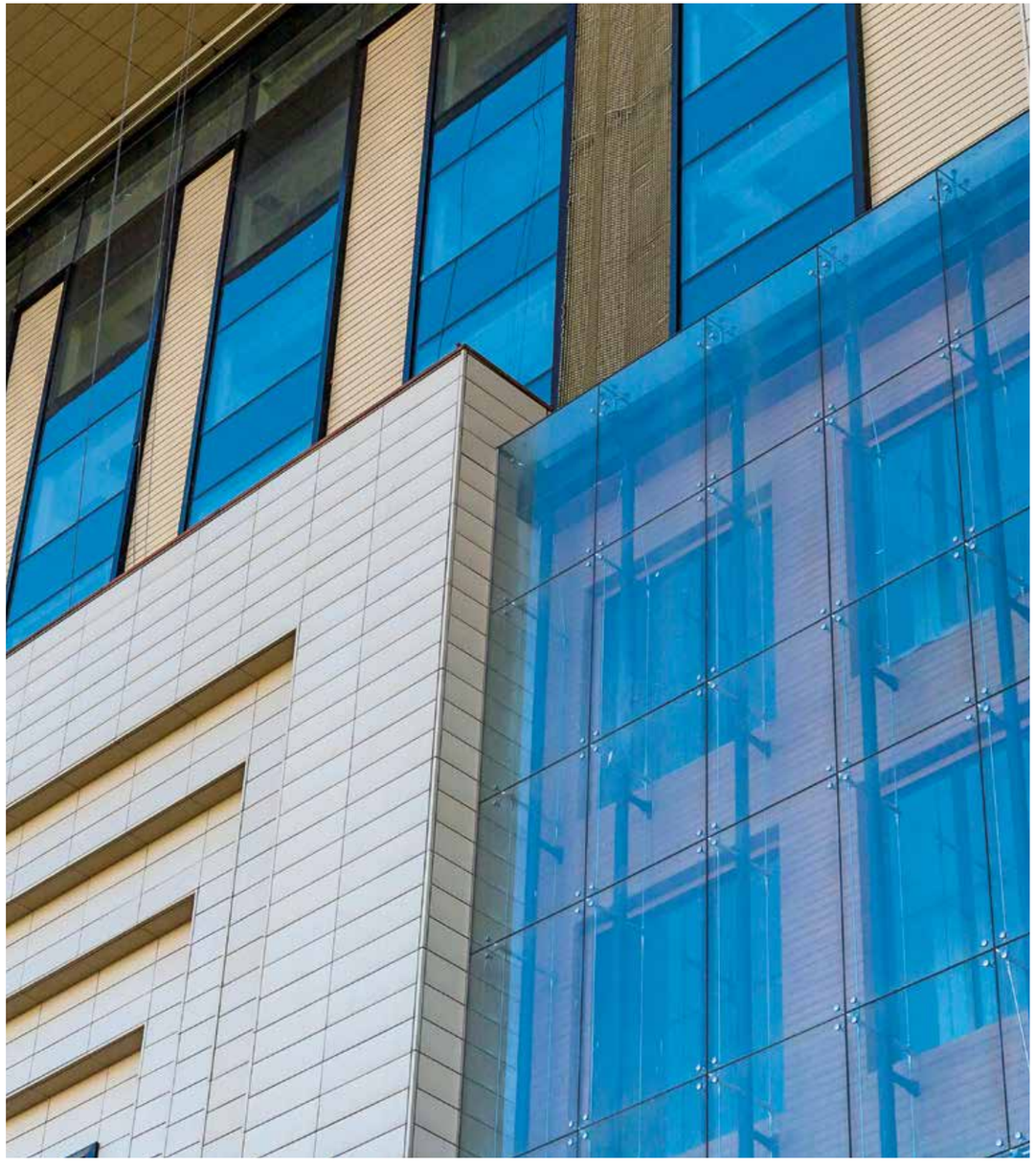
Executive design, Engineering Calculations, project management, and installation of curtain wall, and ceramic invisible system.

MATIA MALL

Client: Borj Avaran Co. | Consultant: Soheil Shirazi | 2015-16

Matia Mall is located on the notable Mirdamad Boulevard in Tehran, adjacent to the central bank of Iran. This striking cube-shaped structure measures approximately 85 meters (279 feet) in length, up to 67 meters (220 feet) in width, and stands 52 meters (170 feet) tall. It occupies an area of around 6,200 square meters (66,736 square feet), with usable spaces exceeding 84,000 square meters (904,168 square feet).
The building's exterior features a combination of ceramic tiles and various types of glass panels, including a curtain wall system and point-fixed glazing. This innovative design incorporates glass fins, high-strength tension rods with truss systems, and steel tube sections.

Scope of Work
Design and engineering, manufacturing, and installation of approximately 22,395 square meters (241,060 square feet) of façade. This includes 6,295 square meters (67,760 square feet) utilizing the Hueck aluminum system for curtain walls, 12,100 square meters (130,245 square feet) of dry ceramic façade, and 4,000 square meters (43,055 square feet) of point-fixed glazing. Additionally, over 70,000 kilograms (154,300 pounds) of steelwork will be employed to support the substructures.



IRAN MALL

EASTERN FAÇADE

Client: Alborz Tat Company | Project Manager: Kayson | Consultant: Amoudrah | Design: Norr Canada | 2015

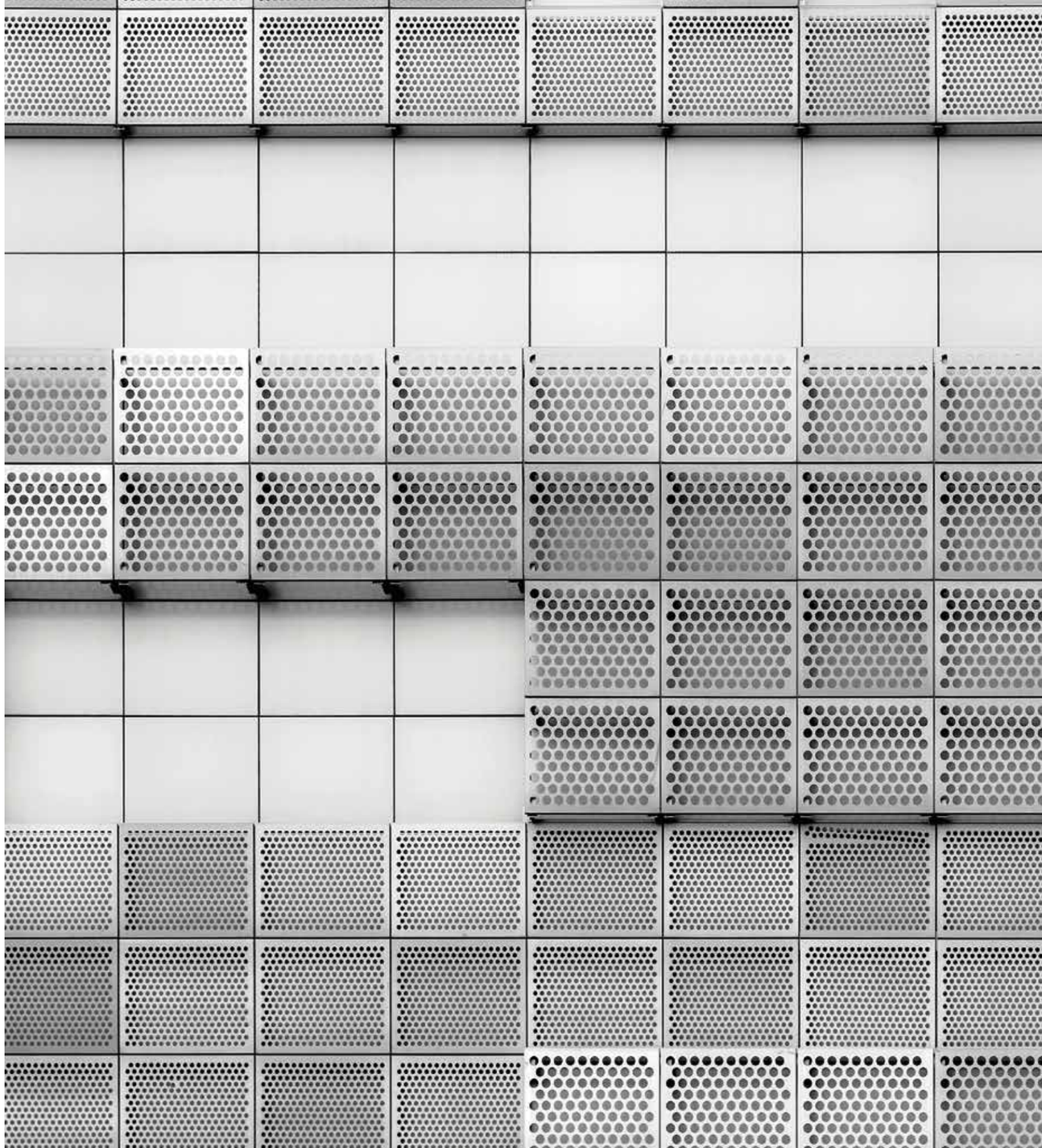
Modern façade design must be both creative and sustainable, as simple materials and conventional structures can no longer meet the demands of high-end, aesthetically appealing architecture.

Perforated metal panels have become a popular choice for modern buildings, especially as façade and cladding, thanks to their ability to seamlessly combine functionality with visual appeal. Aluminum is often the material of choice due to its lightweight nature, low maintenance requirements, and the option for anodized finishes in various colors.

The eastern façade of Iran Mall features an aluminum composite panel system adorned with perforated solid aluminum panels arranged in distinct, dynamic patterns. This innovative design creates a visually striking and modern atmosphere for the mall. The façade spans approximately 192 meters (630 feet) in length and 42 meters (138 feet) in height, covering a total area of around 8,065 square meters (86,810 square feet)

Scope of Work

Design and engineering, manufacturing, and installation of approximately 17,000 square meters (182,985 square feet) of stick system façade, including 8,000 square meters (86,110 square feet) of aluminum composite panels, and 9,000 square meters (96,875 square feet) of perforated solid aluminum panels and more than 178,000 kilograms (392,420 pounds) of steel works for substructure components, including connections, girts, studs, and trusses.



"ARCHITECTURE IS A FORM OF VISUAL POETRY, AND I SEE BUILDINGS AS VISUAL REPRESENTATIONS OF STORIES."

Abbas Kiarostami

BARAN TOWER

WEST BARAN SKYLIGHT

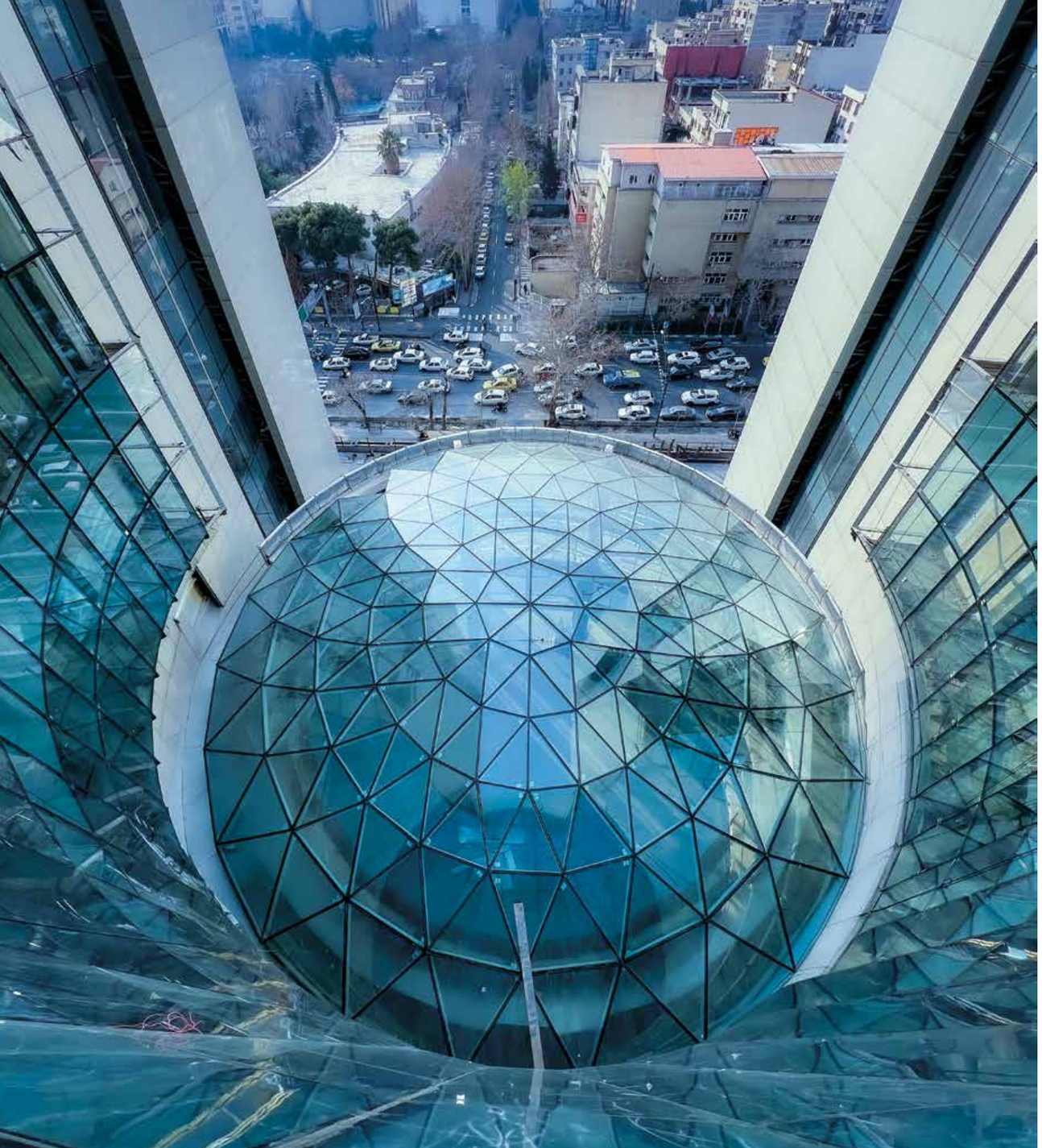
Client: NAJA Cooperation Foundation | Consultant: Naji Sazan Co. | 2024

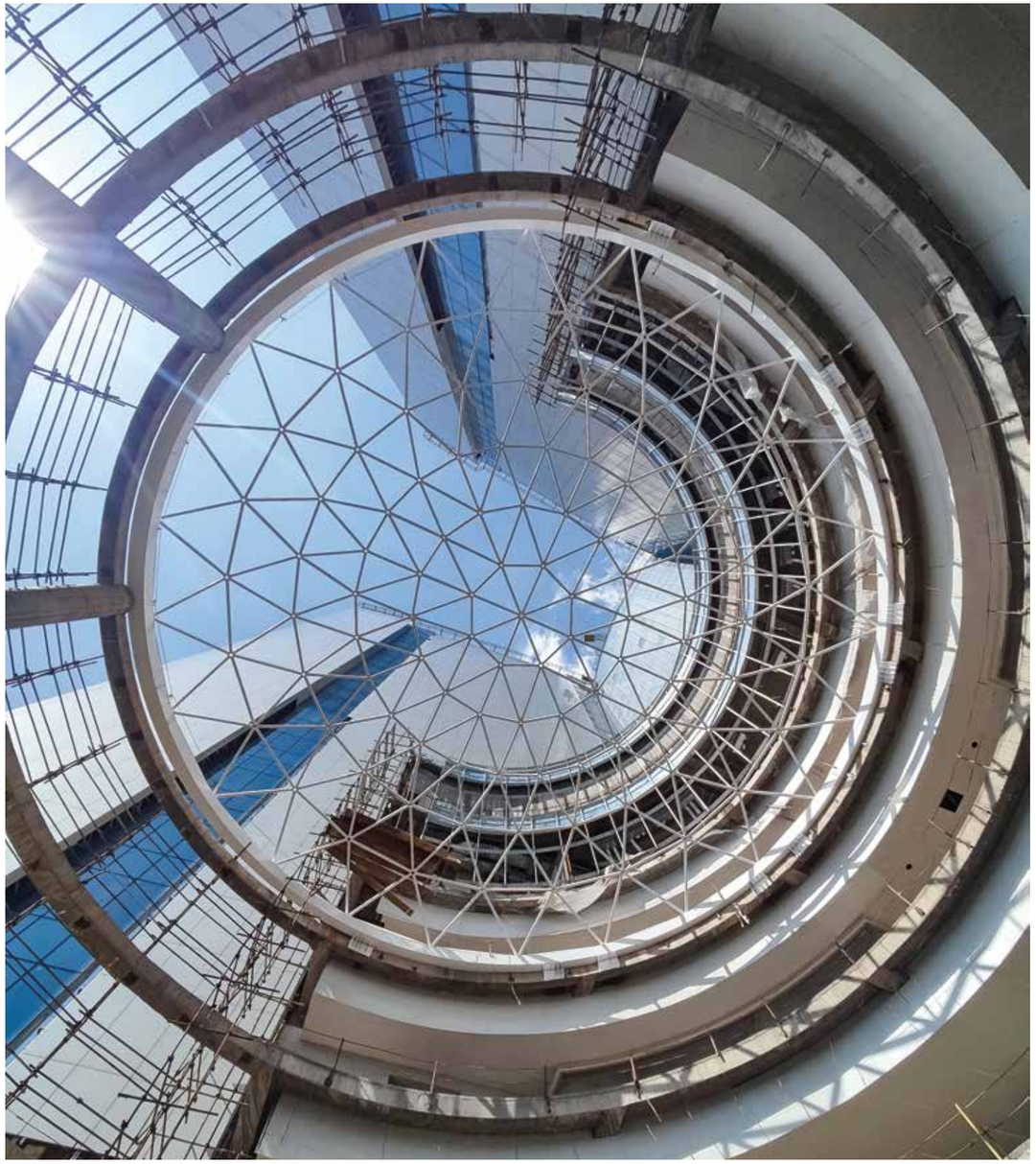
Baran Tower is an impressive commercial and office building currently under construction in Tehran, situated on Shariati Street. This striking tower is designed to reach a height of 120 meters (394 feet) and features a visually appealing exterior. The completion of the project is anticipated by 2025, making it a noteworthy addition to the skyline of the area.

In the finite element analysis of this skylight, various loads have been meticulously considered. These include dead loads resulting from the asymmetrical installation of glass, as well as dynamic factors such as earthquakes, asymmetric wind loads, and snow loads. Additionally, maintenance-related loads have been incorporated into the skylight's design. At the intersections of the steel frames, robust steel hubs have been crafted from thick, durable steel. The geometry of these hubs and their end angles have been engineered to facilitate the creation of the final shape.

Scope of work:

Executive design, Engineering Calculations, project management, and installation of 450 square meters. Skylight and its special structure system.





This striking tower is designed to reach a height of 120 meters (394 feet) and features a visually appealing exterior.

IRAN MALL

ATRIA OF CONCERT HALL

Awarded by 8th national conference of steel & structure

Client: Paydar Pey Sazeh Company | 2018

In the eastern zone of Iran Mall, the concert hall features two symmetrical glass cube atria positioned on the north and south sides, with a combined plan area of approximately 1,700 square meters (18,300 square feet). Each atrium stands about 17.5 meters (57.4 feet) tall, consisting of five vertical modules and two reverse-sloped walls on the eastern side. A key design consideration for this project was the anticipated wind loads over the building's lifespan. To address this, Wacker Ingenieure (Wind Engineering Consultants) conducted a wind tunnel study to provide essential data for the structural design, as well as for the components and cladding systems. The atria structures rely on adjacent buildings—the hotel and concert hall—for support and do not form part of the primary seismic force-resisting system. Consequently, they are considered supplementary structures, and their seismic impacts, resulting from each atrium's weight, must be factored into the design of the supporting buildings.

A seismic separation joint exists at the base elevation between the hotel and concert hall buildings. To maintain structural stability, the atrium structure is connected to the hotel's concrete core. Given the seismic activity expected in the region, support displacements were calculated and applied in two perpendicular directions. Additionally, a displacement equivalent to approximately 0.02% of the atrium's height was incorporated into the connection with the concert hall. These displacements were carefully included in the load combinations for the atrium's structural design to ensure long-term stability and safety.

The roof and façade of the atrium structure are clad with insulating glass, supported by a carefully engineered structural system with distinct configurations for various components:

• **Roof System:**

The roof is composed of modules measuring 13.5 meters by 9 meters (44.3 feet by 29.5 feet). To bear gravity loads, a horizontal aluminum frame system was implemented, with linear supports along the four edges of the glass panels.

• **Peripheral Façade System:**

A cable net system was selected for the peripheral façade. Cable wall façade rely on tensile members to resist wind loads. In this project, all pretension and suspended cables are Open Spiral Ropes, consisting of multiple layers of round stainless-steel wires helically wound around a core. This cable-stayed façade design provides:

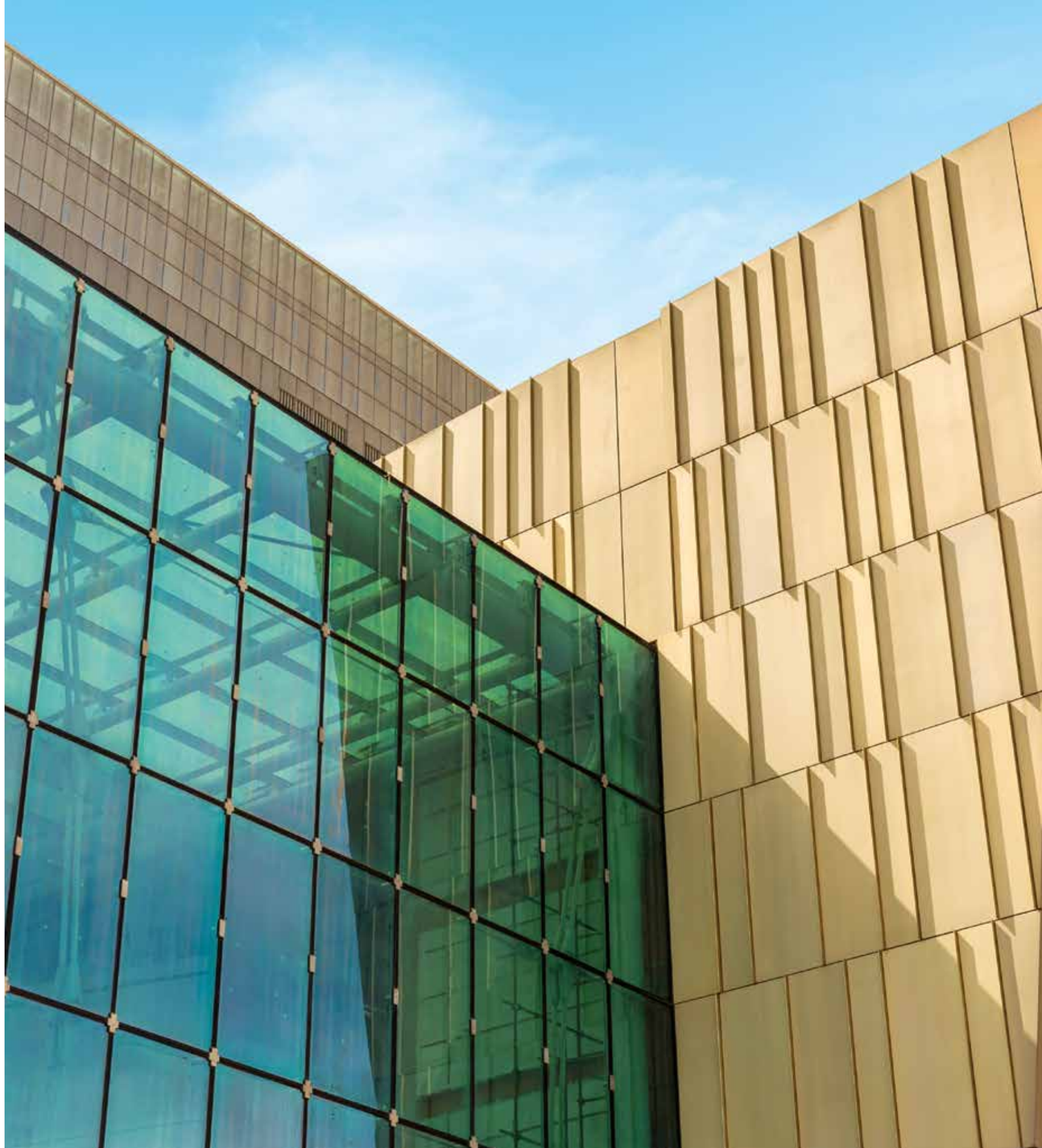
o Maximum transparency

o A straight, rigid, and stable appearance under normal conditions, with significant deflection occurring only in extreme wind conditions
o Enhanced resistance to heavy wind gusts due to the structure's inherent flexibility

• Reversed Slope Zones:
In the reversed slope sections, the façade comprises glass panels supported by a perpendicular network of pretensioned stainless-steel cables.

• Vertical Façade System:
The vertical façade uses a one-way cable system. Dead loads are transferred via suspended cables to the top girders. At the base, vertical cables connect to a flexible beam, which mitigates excessive tension from wind forces. Horizontal cables, made of pretensioned stainless steel, span 9 meters (30 feet) horizontally and are laterally supported by intermediate columns. Curved tensile systems (CTS) provide additional structural support at the edges.
This integrated structural design ensures durability, stability, and optimal performance while maintaining the façade's modern, transparent aesthetic.
The heavy glass panels are secured at their corners using point fixings, consisting of various stainless-steel clamps designed by Alumgostar and manufactured by Kinlong Co.
To meet the client's architectural requirements, Alumgostar developed a tailored solution that accounts for temperature variations between the erection and completion phases while preserving the façade's clean, and minimalist aesthetic.
This cable net façade is the largest of its kind in Iran. Its uniqueness extends beyond its impressive dimensions; the intricate and demanding design sets new standards in façade engineering. Achieving perfectly balanced forces requires exceptional precision and meticulous attention to detail throughout the process.

Scope of Work
Design and engineering, manufacturing, and installation of approximately 1,700 square meters (18,300 square feet) of skylight system for the ceiling system, 2,650 square meters (28,525 square feet) of pretensioned cable net façade, 19 different types of point-fixing (stainless clamps) with a total quantity of 1,136 pieces, more than 475,000 kilograms (1,047,195 pounds) of steel works for the main structure of atria and the substructure components of the façade, and about 21,000 kilograms (46,295 pounds) of steel works for producing high-strength steel tensile rods and casting sockets in the CTS.



With its distinctive format and design, this Alumgostar cable net façade stands as the largest of its kind in Iran.

IRAN MALL

WEST GARDENS SKYLIGHTS

Client: Alborz Tat Company | Project Manager: Kayson | Consultant: Amoudrah | 2016

In the western zone of Iran Mall, the exhibition building features two skylights positioned on its north and south sides, with a combined plan area of approximately 2,800 square meters (30,140 square feet). These skylights are located atop Didar Garden and Jondishapour Library.

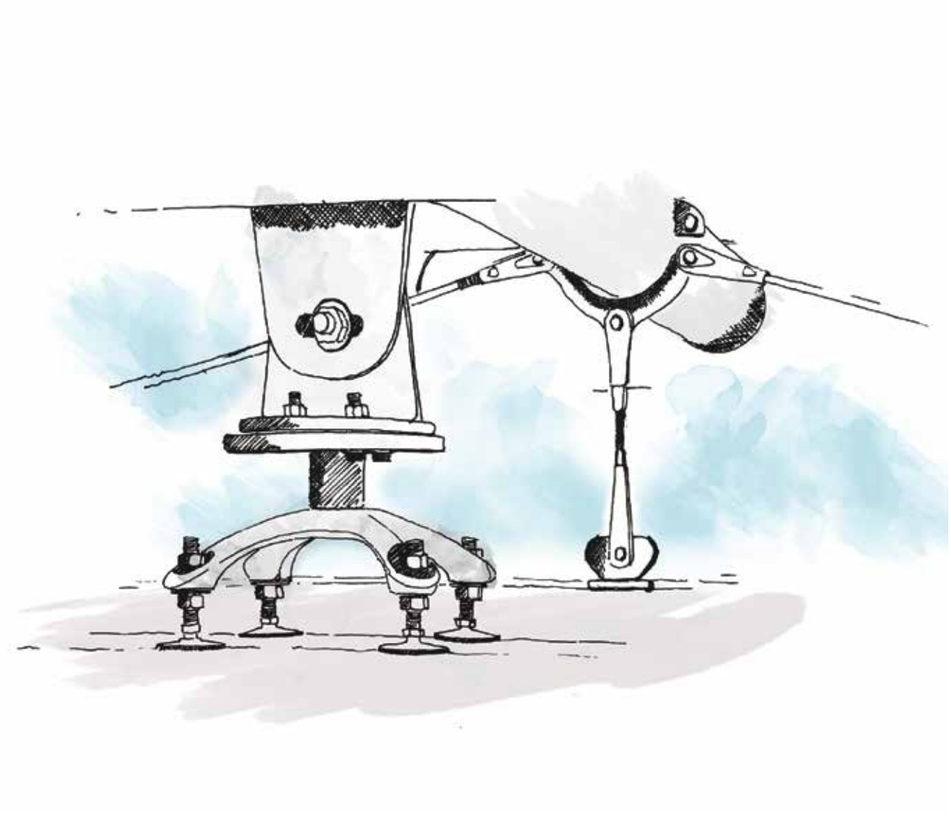
Each skylight measures approximately 70 meters (229.65 feet) in length, up to 20 meters (65.6 feet) in width, and 2.2 meters (7.2 feet) in height. Together, they cover a total area of about 1,400 square meters (15,070 square feet). Each skylight is composed of 12 prefabricated, carved-steel structural units, precisely engineered for durability and aesthetic appeal.

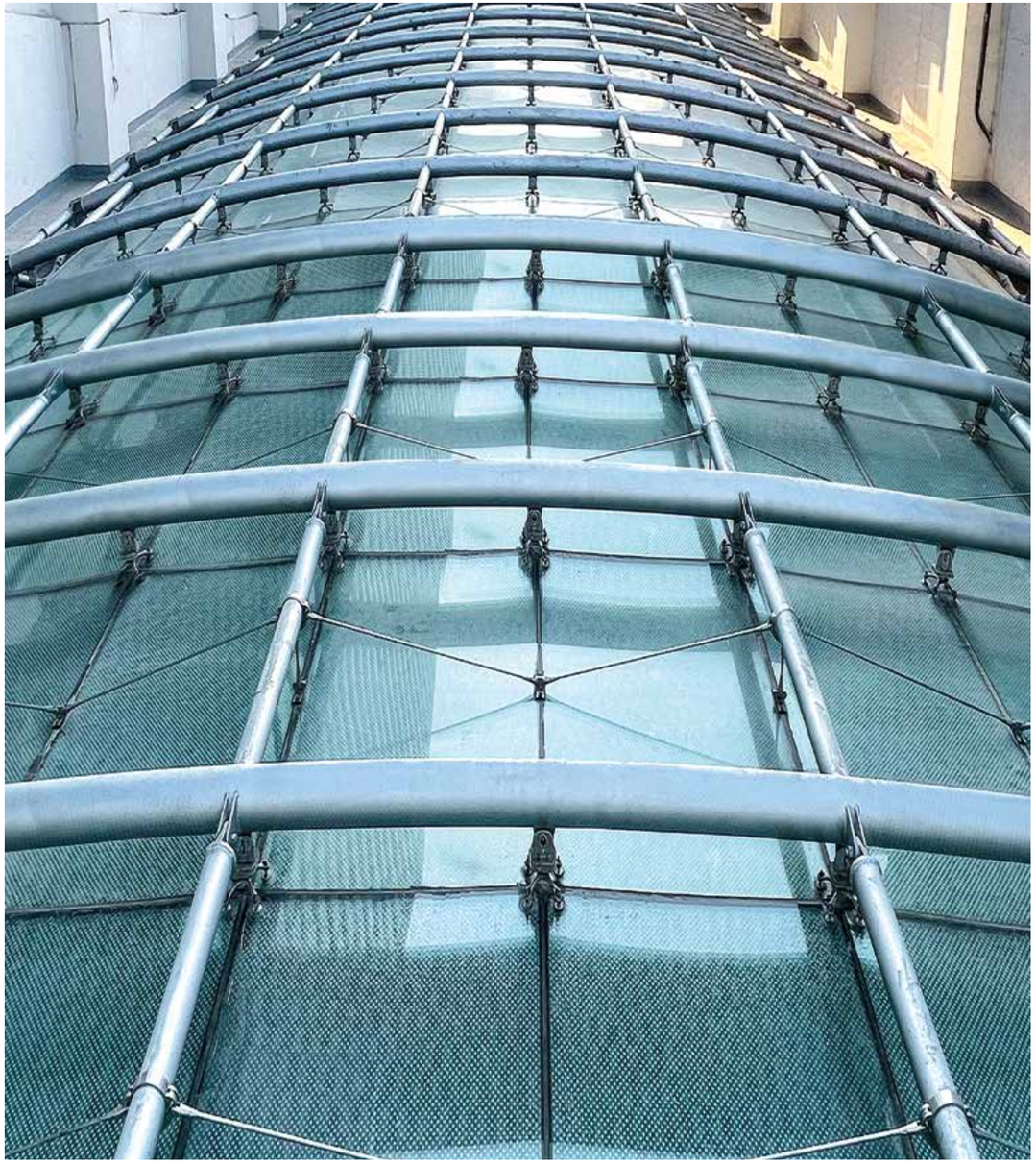
Scope of Work

Design and engineering, manufacturing and installation of about 3,000 square meters (32,290 square feet) of skylight for the ceiling system, and more than 200,000 kilograms (440,925 pounds) of steel works for the main structure and façade components substructure.

Scientists investigate that which already is; Engineers create that which has never been.

Albert Einstein





The West Gardens Skylights at Iran Mall cover an area of approximately 2,800 square meters, constructed with prefabricated steel units to enhance natural light and architectural elegance. Alumgostar was responsible for the full design, manufacturing, and installation works.

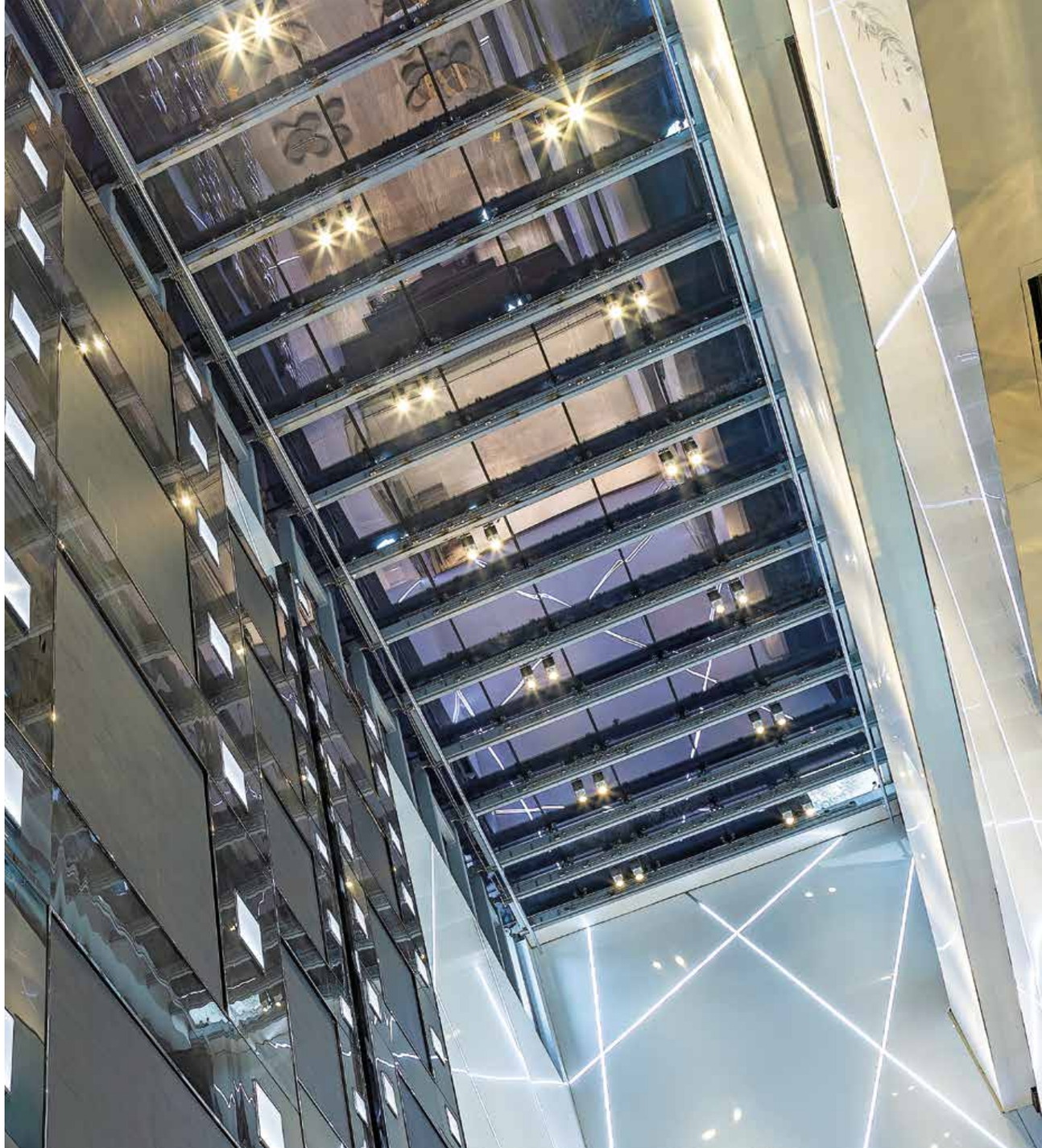
IRAN MALL

SPORTS CAFÉ SKYLIGHTS

Client: Alborz Tat Company | Project Manager: Kayson | Consultant: Amoudrah | Design: Norr Canada | 2016

The Sports Café, located in the eastern zone of the exhibition building at Iran Mall, features two symmetrical L-shaped skylights positioned at the top of the space.
A seismic separation joint exists between the two sides of these skylights, making it essential to connect the skylight structures to the adjacent buildings for stability. To account for the potential seismic movements of these neighboring structures, finite element analyses were conducted. The resulting support displacements were applied to the connections, ensuring a structurally sound and resilient design.

Scope of Work
Design and engineering, manufacturing, and installation of approximately 700 square meters (7,535 square feet) of point fixing glass façade, and more than 33,000 kilograms (72,750 pounds) of steel works for the main structure and façade components substructure.



"DOING A GOOD JOB VS A BAD JOB TAKES THE SAME AMOUNT OF TIME."

David Chipperfield

GOLCHIN

Client: Sivan group | 2025

Golchin Village is a premium residential and tourism complex located in the scenic Sisarā region near Motel Ghoo, on the foothills of the northern mountains. Its unique location provides sweeping 360-degree views of both the mountains and the Caspian Sea, setting it apart as one of the region's most desirable developments.

Designed to the highest standards, Golchin Village focuses on contemporary villas and integrated amenities to ensure comfort, security, and convenience for all residents. The gated community features expansive green spaces, pedestrian pathways, and easy access to main routes, providing a tranquil lifestyle amidst natural beauty.

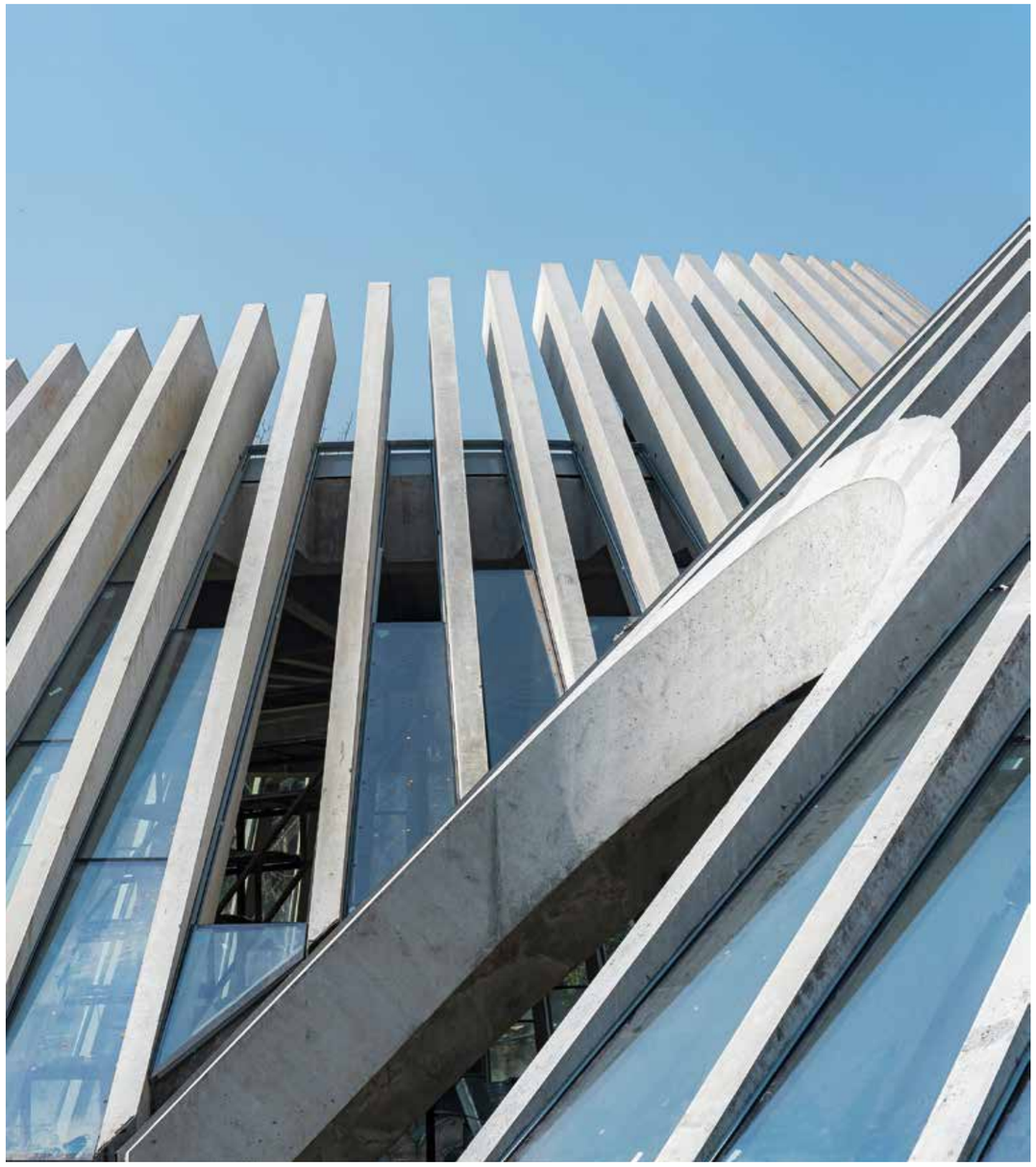
A highlight of the village is its modern indoor recreational complex, which includes billiards, air hockey, bowling, a private cinema, and a stylish café—catering to the leisure and entertainment needs of families and residents.

The building façade features a striking combination of exposed concrete and frameless glass skylights, engineered and installed by Alumgostar Company. This design not only maximizes natural light but also gives the complex its distinctive, contemporary character.

The recreational center is formed by three interconnected sections with signature trapezoidal skylights, each averaging 8 meters in height. These skylights, made from multiple glass panels, create bright, open interiors and frame stunning views of the outdoors.

Scope of Work

The façade covers about 680 square meters and incorporates 140 frameless glass skylights, each situated between two concrete columns. The trapezoidal skylights—ranging from two to four glass panels per unit—were custom-designed and executed by Alumgostar Company.



MORVARID

Client: Melal Credit Development | Consultant: Ziba Toos Gam Company | 2023

There's an old saying, «You never get a second chance to make a first impression», and this rings especially true in business. The most successful leaders understand that first impressions are made long before the handshake. Customer perceptions are shaped in those initial moments, and according to the Harvard Study of Communications, it only takes 7 seconds to form a lasting impression. With that in mind, ensuring that your business's first impression is as strong as possible is crucial—it could be the deciding factor in whether a potential client stays or walks out the door.

In a building, the entrance space provides the perfect opportunity to make a positive first impression. Forward-thinking organizations know how to leverage this space to their advantage.

Today, commercial buildings are increasingly commissioning architects to enhance their entrance and lobby areas. This serves several purposes: creating a visual statement, helping visitors feel relaxed, and capturing their attention. Art installations, for example, can make commercial spaces feel more welcoming, transforming what could be a cold environment into a warm and inviting one.

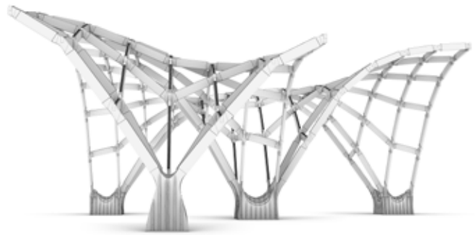
Scope of Work

Architectural and interior design of about 4200 square meters (45208 square feet) of unique atrium space for Baran office commercial tower.


HSE
SLOW

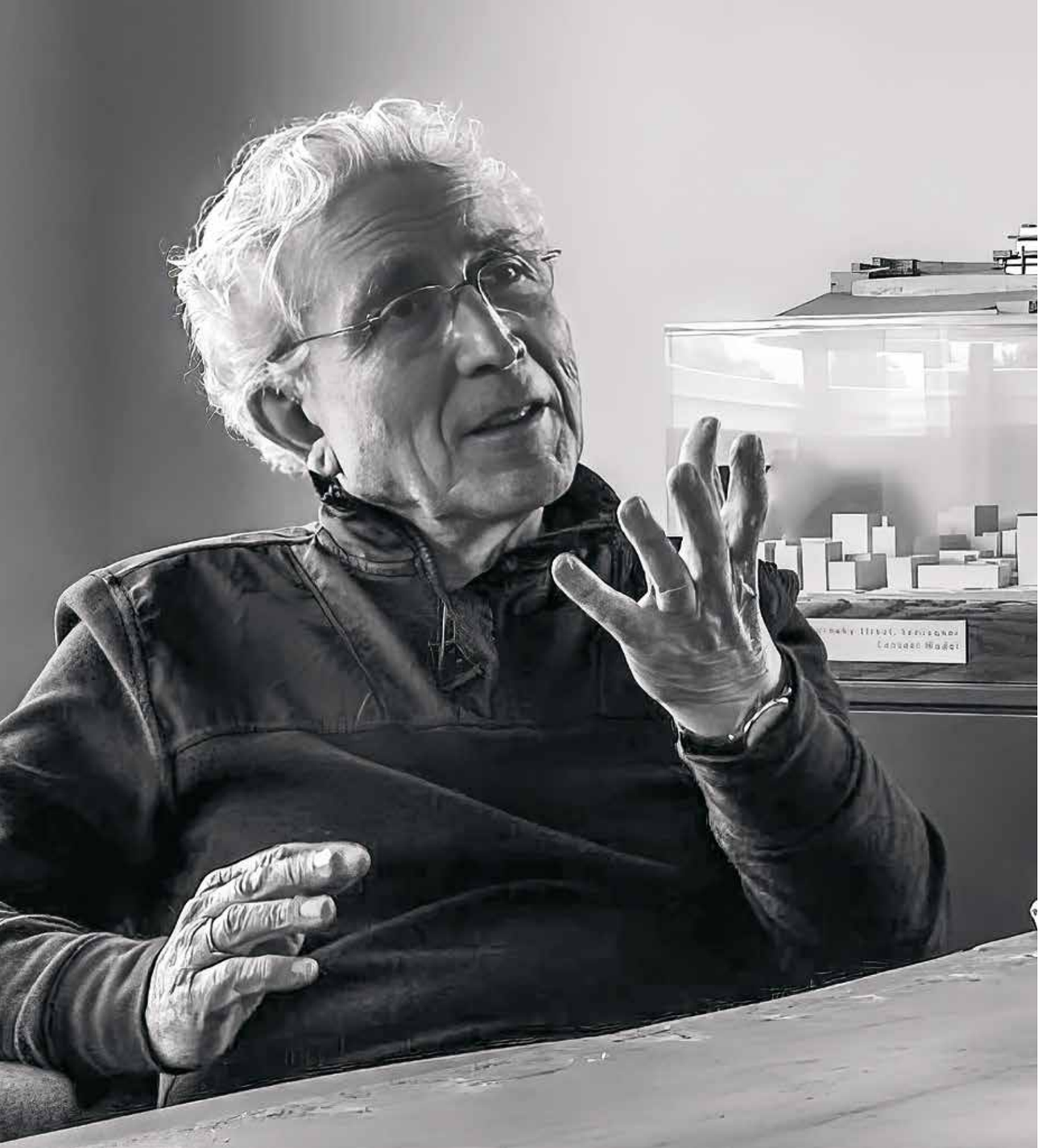
ALUMGOSTAR PAVILION 2023

This structure is built from 119 uniquely crafted wooden cross hubs and 227 individually designed aluminum lamella profiles—no two components share the same geometry or dimensions. The wooden hubs, weighing between 1.28 and 3.77 kilograms each are meticulously milled from Beech wood using advanced CNC subtractive methods, ensuring a perfect, custom fit for every piece. These wooden elements bring both strength and visual warmth to the design.



Every aluminum lamella is custom-shaped, chosen for durability and a sleek look; its lightweight, corrosion-resistant properties add not only structural integrity but a distinctive modern flair. The combination of wood and aluminum also means the structure is both robust and requires less maintenance than traditional all-wood designs, benefiting from aluminum's immunity to warping, pests, and decay.

With a total weight of about 700 kilograms, the structure is supported by four contouring bases, each crafted from plywood sheets precisely cut in two orthogonal directions for excellent weight distribution and a visually engaging pattern. This innovative blend of materials and fabrication techniques is not only about aesthetics and strength—it also exemplifies sustainable building practices. Both wood and aluminum can be sourced and recycled responsibly, aligning the project with modern eco-friendly standards. Altogether, the structure stands out for its craftsmanship, its mix of traditional and contemporary materials, and its suitability for both functional and architectural purposes.



"I ALWAYS WANT TO CREATE ARCHITECTURE THAT WILL EXPRESS THE CULTURE AND THE SPIRIT OF THE PEOPLE, NOT JUST A DESIGN OR A BUILDING."

Hossein Amanat

HEKMAT OFFICE BUILDING

Client: NAJA Cooperative Foundation | Contractor: Omran va Tolidy Niroo Engineering Company | 2008

This governmental office construction consists of four buildings of different heights. The bodies of the buildings have been covered by diverse materials such as natural stone, glass, and aluminum.

With so many different types of materials, a broad spectrum of colors, and the tight construction schedule, this project showcases how Alumgostar highlighted the logistical expertise to handle complex façades.

Alumgostar successfully delivered a cost-effective and efficient solution for the building's façade design. The technical concept reduced the number of distinct façade elements needed.

Scope of Work

Design and engineering, manufacturing, and installation of approximately 32,900 square meters (324,650 square feet) of stick system façade, including 5,485 square meters (59,040 square feet) of the Asaş aluminum system for curtain walls, 21,345 square meters (229,755 square feet) of aluminum composite façade, 415 square meters (4,470 square feet) of skylight, 315 square meters (3,390 square feet) of point-fixing glass façade, and 1,400 square meters (15,070 square feet) of high thermal insulation windows, about 3,940 meters (12,925 feet) of aluminum louver and more than 8,000 kilograms (17,640 pounds) of steel works for supporting substructures.

We shape our buildings; thereafter, they shape us.

Winston Churchill

IRAN MALL

SOUTHERN CAFÉ RESTAURANTS

Client: Alborz Tat Company | Project Manager: Kayson | Consultant: Amoudrah | 2017

Two similar, single-story, rectangular buildings were constructed in the southern part of Iran Mall, adjacent to the musical fountains. Each building measures approximately 75.6 meters (248 feet) in length, up to 15.3 meters (50.2 feet) in width, and 5.2 meters (17 feet) in height. The restaurants occupy a usable area of around 2,313 square meters (24,900 square feet).

The aluminum-glass façade system is mounted on an exposed decorative steel structure. Working with exposed structural elements, rather than concealing them behind the façade, presents significant challenges. However, Alumgostar's engineering team embraced this complexity, demonstrating creativity and precision in their design and execution.

The north elevation of these buildings features folding aluminum-glass doors, providing a seamless connection between the café-restaurant interiors and the lively atmosphere of the musical fountain area.

Scope of Work

Design and engineering, manufacturing and installation of approximately 2,260 square meters (24,325 square feet) of skylight for the ceiling system, 885 square meters (9,526 square feet) of curtain wall, 150 square meters (1,615 square feet) of folding aluminum-glass doors, 150 square meters (1,615 square feet) of point-fixing glass façade, more than 550 square meters (5,920 square feet) of exposed concrete tile façade, more than 250,000 kilograms (551,155 pounds) of steel works for main structure and substructure components of the façade.

Southern Café Restaurants at Iran Mall consist of two single-story cube-shaped buildings located beside the musical fountains. Featuring aluminum-glass façades mounted on exposed steel structures, the project highlights Alumgostar's expertise in integrating architectural creativity with precision engineering.

PV GARDEN RESIDENTIAL PROJECT

Client: Dr. Khoshbakht | Consultant: Song-studio AmirHossein Sahiholnasab & Colleagues
Contract Management: Sahiholnasab Team. | 2025

PV Garden is a high-end residential development that reflects the principles of modern architecture, combining innovative construction technologies with refined material selection. Designed to offer a premium living experience, the project places a strong emphasis on both aesthetic value and functional performance.

Custom-designed Lift & Slide window systems, based on the Hueck Aluminum Profile from Germany, were integrated to provide exceptional thermal insulation, effortless operation, and seamless indoor-outdoor transitions. The entrance areas are equipped with Pivot doors, specially engineered for superior durability, distinctive aesthetics, and smooth motion under intensive residential usage.

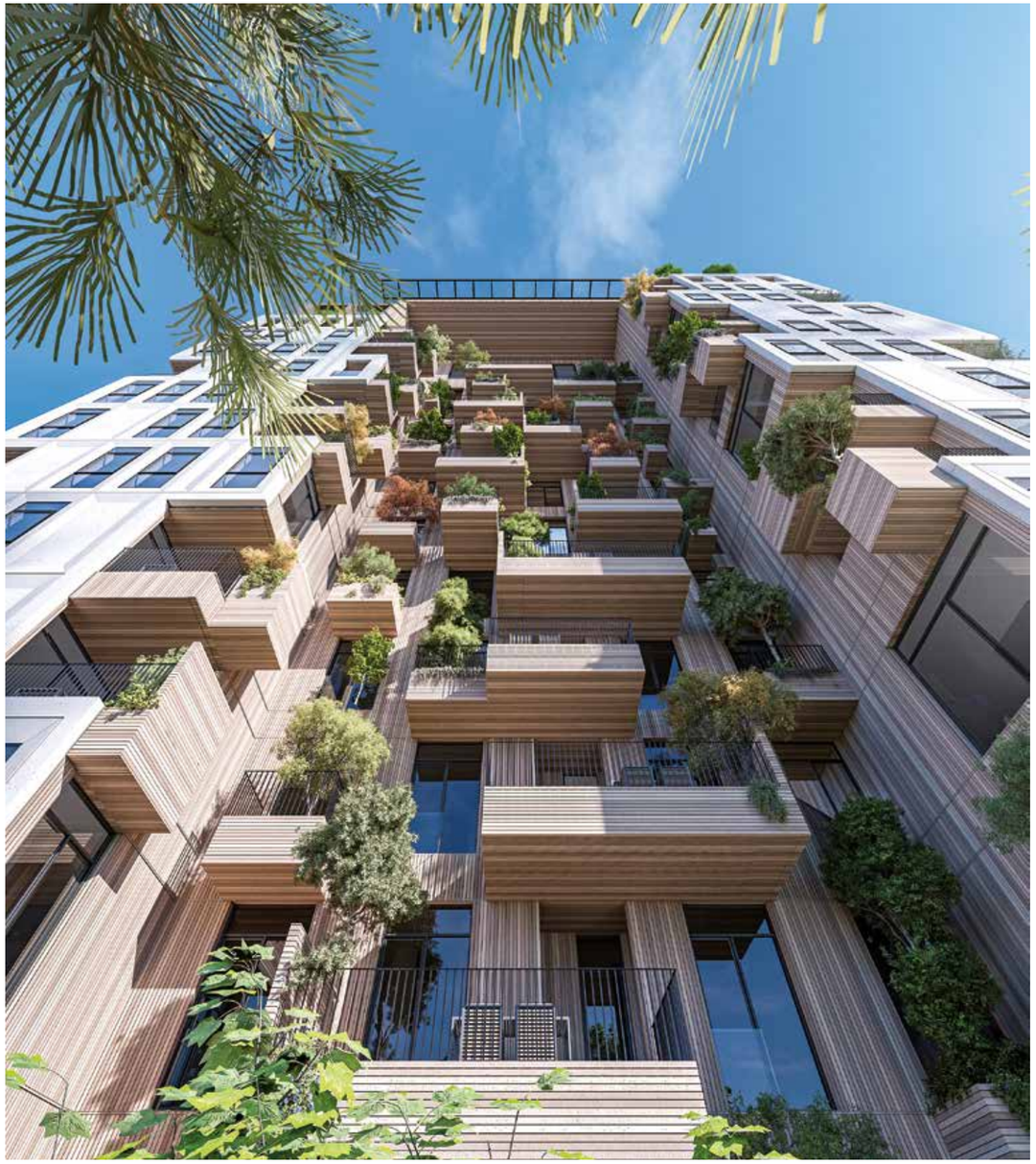
Additionally, custom-designed handrails and flashing elements were developed to integrate harmoniously into the architectural concept, ensuring both visual coherence and technical performance.

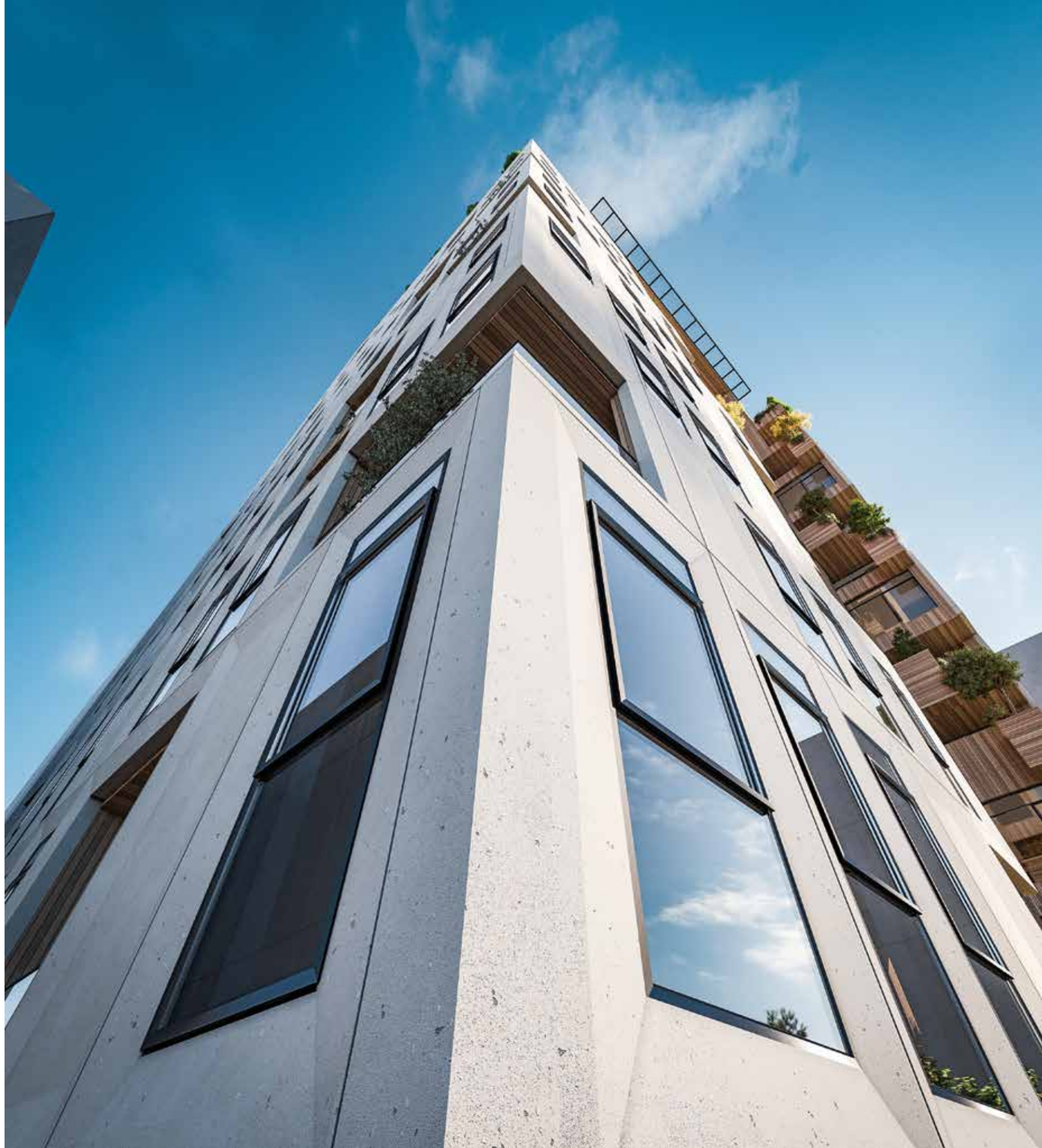
PV Garden demonstrates Alumgostar's commitment to delivering bespoke solutions tailored to the unique vision of each project, with a focus on engineering precision, material excellence, and flawless execution.

Scope of Work

Design and engineering, procurement, manufacturing, and installation of:

- Lift & Slide window system (Hueck Aluminum Profile, Germany)
- Pivot door system





PROVINCIAL GOVERNMENT OF QAZVIN

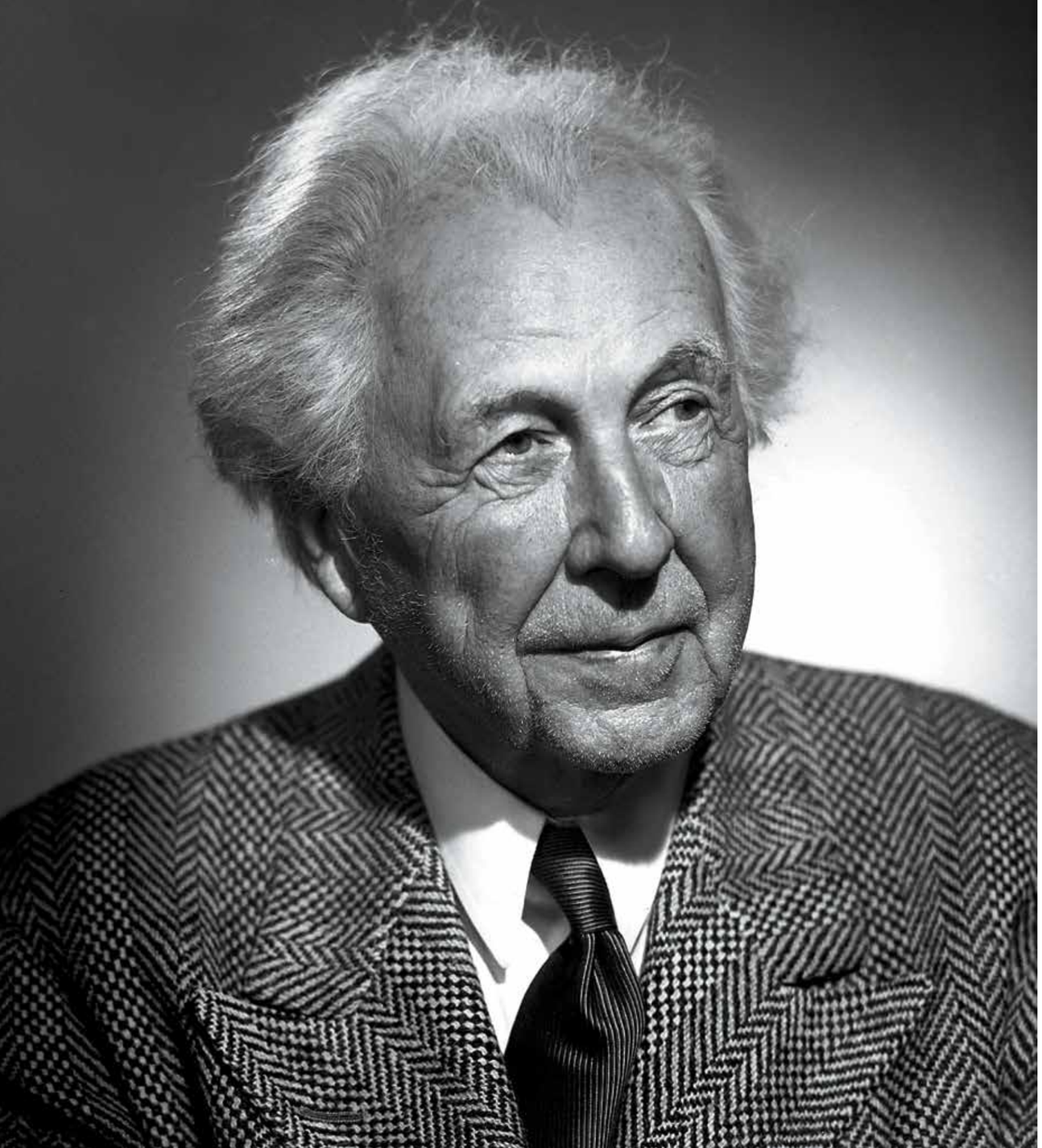
Client: Qazvin Governorship - Ashian Albourz Co. | Consultant: Kambiz Arami - Arshen Consulting Engineers | 2017

The four-story governmental office building, situated in the heart of Qazvin, currently serves as the headquarters for the Plan and Budget Organization of Qazvin Province.

Scope of Work

Design and engineering, manufacturing, and installation of approximately 4,200 square meters (45,208 square feet) of a stick system façade. This includes 3,200 square meters (34,444 square feet) of aluminum composite elements, featuring decorative vertical straight blades and horizontally curved architectural components. Additionally, around 1,000 square meters (10,764 square feet) will consist of aluminum doors, windows, and steel works for the substructure components.


سازمان برنامه و بودجه استان قزوین



"AN IDEA IS SALVATION BY IMAGINATION."

Frank Lloyd Wright

KERMANSHAH CHAMBER OF COMMERCE HEADQUARTERS FAÇADE

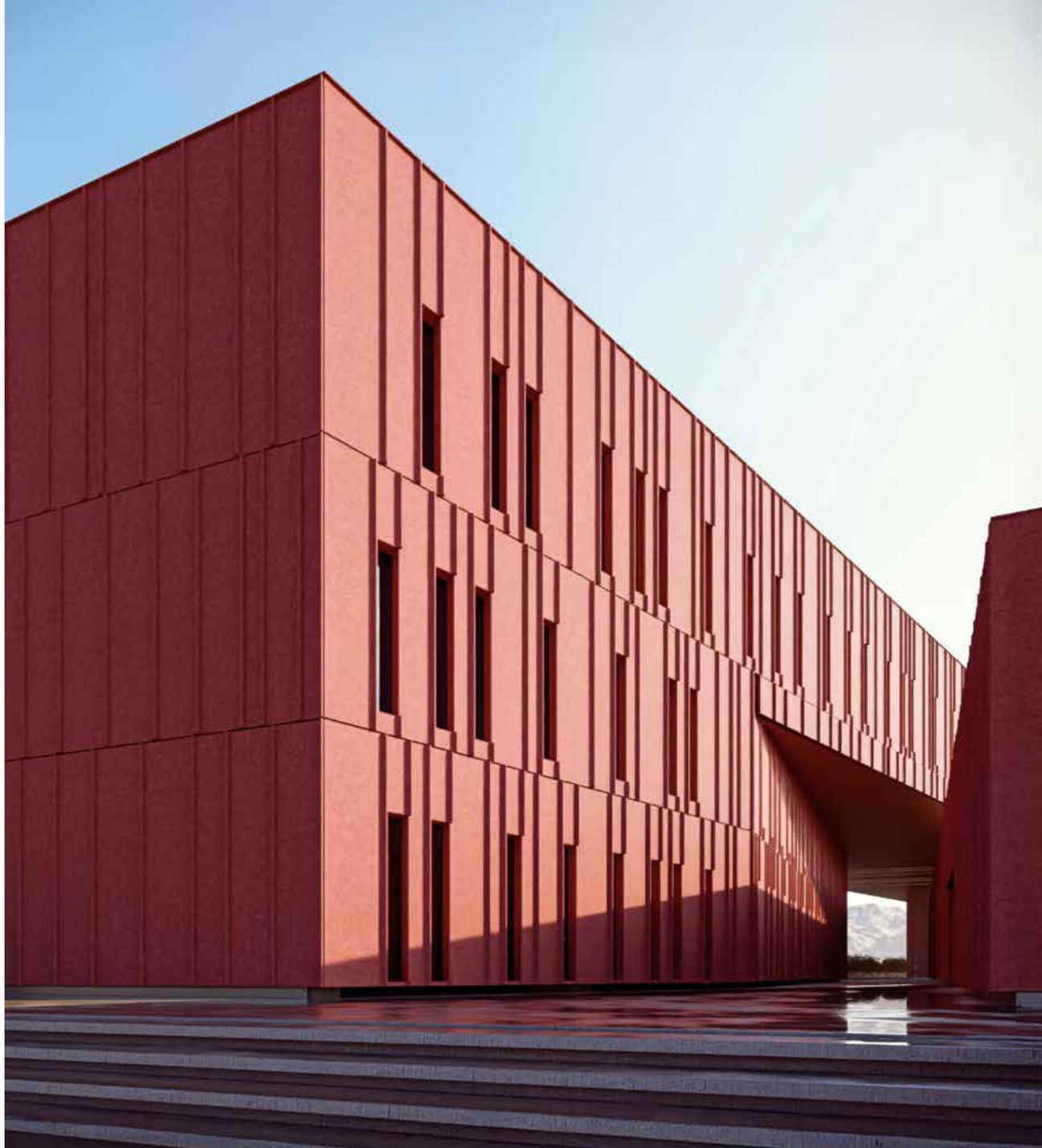
Client: Kermanshah Chamber of Commerce | Consultant: Mahbad Consulting Engineers Company | Architect: Nima Mokari | 2025

This landmark headquarters building, designed by architect Nima Mokary and supervised by Mahbad Consulting Engineers, is located in the historic city of Kermanshah. The façade was fully engineered, fabricated, and carried out by Alumgostar Company under a comprehensive EPC contract. The project integrates architectural sophistication with high-performance envelope engineering.

The façade system includes approximately 3,850 square meters of body-tinted GFRC panels using a customized panelized installation method. Additionally, the project features 380 square meters of hidden vent operable windows and 300 square meters of high-performance stick curtain wall glazing.

Alumgostar's engineering team delivered full-scope façade solutions—from conceptual detailing to fabrication drawings and on-site coordination—ensuring technical precision, seamless integration with the architectural vision, and construction efficiency. Customized structural supports, anchoring methods, and panel layouts were developed in close coordination with the project stakeholders to meet complex aesthetic and structural requirements.

This project exemplifies Alumgostar's commitment to excellence in architectural façade delivery, combining innovative material use with refined engineering to achieve a visually compelling and technically superior result.



Scope of Work

The construction project will utilize 3,860 square meters of Glass Fiber Reinforced Concrete (GFRC) and include 360 square meters of curtain wall systems featuring 200 square meters of hidden vent windows. GFRC, known for its lightweight and durable qualities, enhances the aesthetic and environmental performance of the building by allowing for intricate designs and reducing structural load.

The use of GFRC eliminates the need for steel reinforcement, minimizing weight while ensuring resilience against environmental stresses. This innovative approach aligns with sustainable building practices and contributes to lower maintenance costs throughout the lifespan of the structure. The project aims to integrate these elements seamlessly, maintaining both functionality and visual appeal.

NOOR (PARS) EYE HOSPITAL

Client: Noor Eye Hospitals Complex | Designer: Mir Ehsan Hosseini & his Colleagues
Consultant: Sharestan Consulting Engineers | 2025

This healthcare facility, located in Alborz Province, was delivered under a full EPC contract by Alumgostar Company. The project required customized façade engineering and execution tailored to the functional and technical needs of a contemporary medical building.

The façade includes approximately 5,000 square meters of stick curtain wall system featuring vertical aluminum caps-some with depths reaching 14 centimeters-and horizontal structural silicone joints, providing a consistent and refined architectural rhythm across the elevation.

A prominent element of the design is the use of around 3,300 square meters of Aquapanel cladding, supported by unitized truss-based substructure systems with an average depth of 130 cm. These truss units were fully designed, engineered, and fabricated by Alumgostar to ensure structural performance, installation efficiency, and seamless envelope integration.

The scope also includes nearly 100 linear meters of custom-designed steel flashings. Alumgostar's in-house technical team managed the entire process—from detailed design to fabrication and on-site execution—delivering a comprehensive façade solution suited to the demands of specialized healthcare architecture.

Scope of Work

This project involves complete engineering, fabrication, and installation of the building façade for a healthcare facility in Alborz Province, delivered under a full EPC contract by Alumgostar Company. The façade system consists of approximately 3,400 square meters of stick curtain wall featuring vertical aluminum caps with depths up to 14 centimeters, and structural silicone horizontal joints that establish a consistent architectural rhythm.

Additionally, the façade incorporates about 3,800 square meters of Aquapanel cladding mounted on unitized truss-based substructures. These trusses, averaging 130 centimeters in depth, were custom-designed, engineered, and fabricated by Alumgostar to ensure structural integrity and smooth installation. The scope also includes approximately 240 linear meters of custom-engineered steel flashings fabricated and installed by Alumgostar's in-house technical team, guaranteeing precise execution tailored to specialized healthcare architectural needs.

This comprehensive scope covers all phases from detailed design to on-site implementation, ensuring a seamless and high-quality façade system that meets both functional and aesthetic demands of a modern medical facility.

CONSTRUCTION

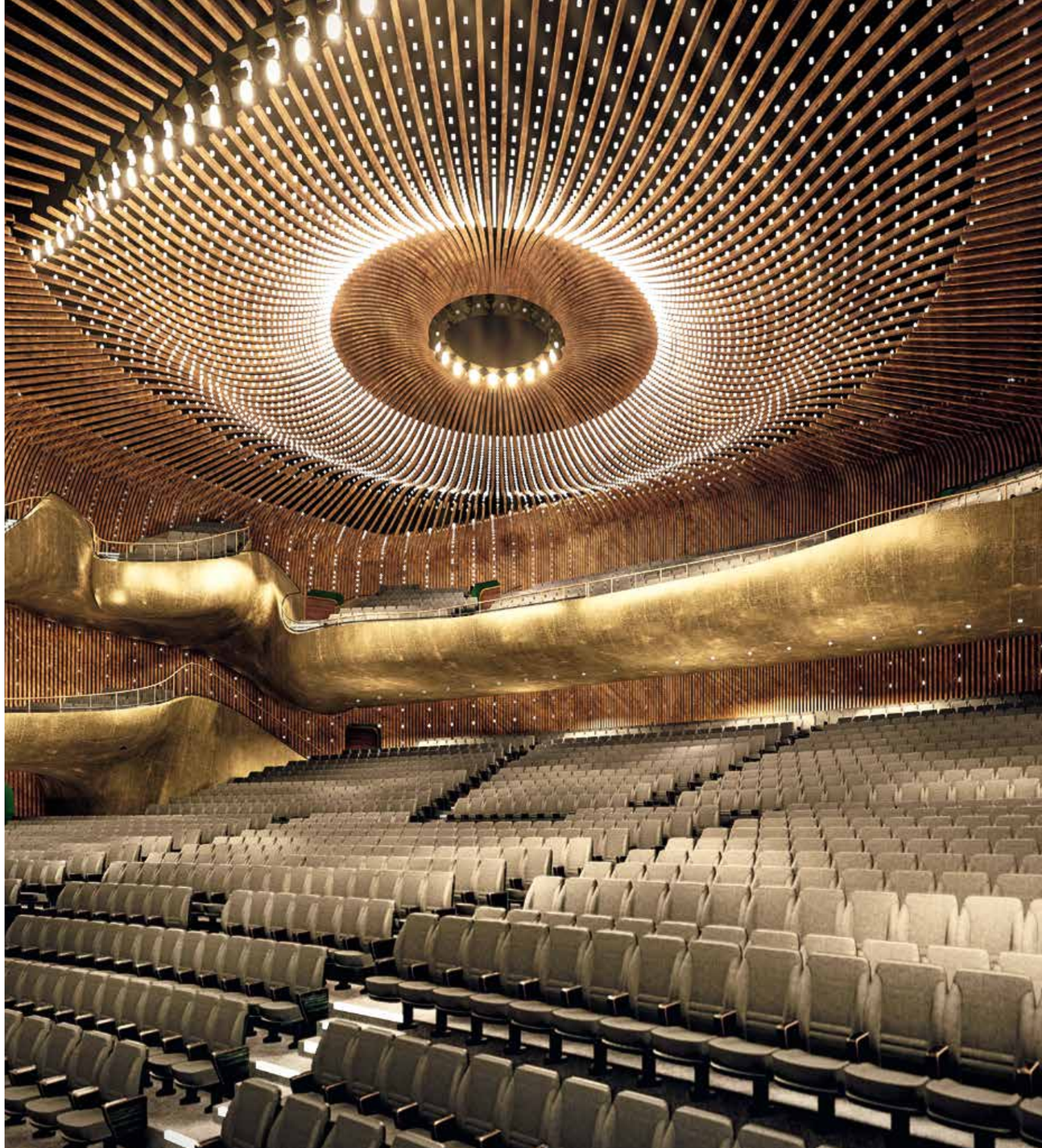
IRAN MALL

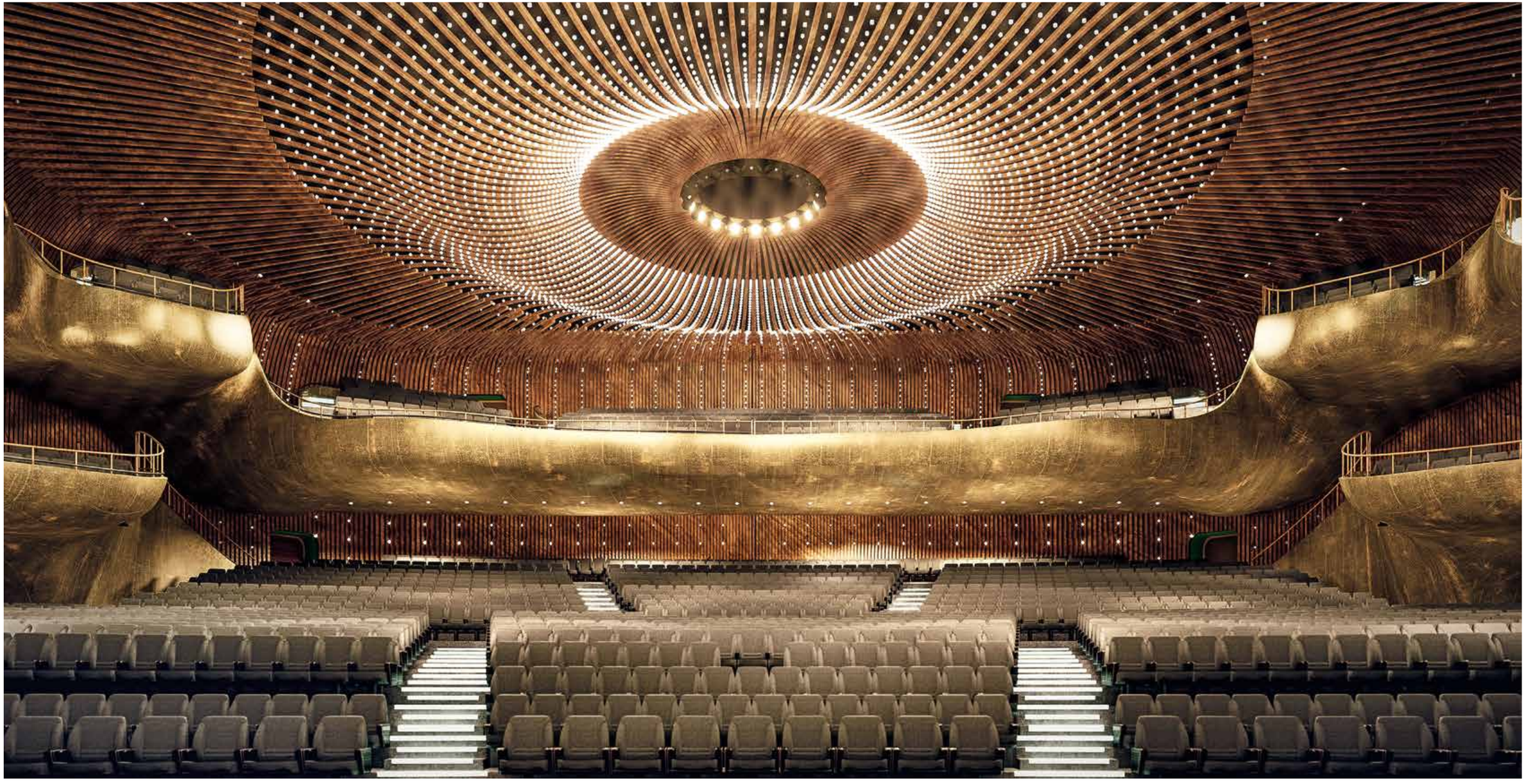
CONCERT HALL

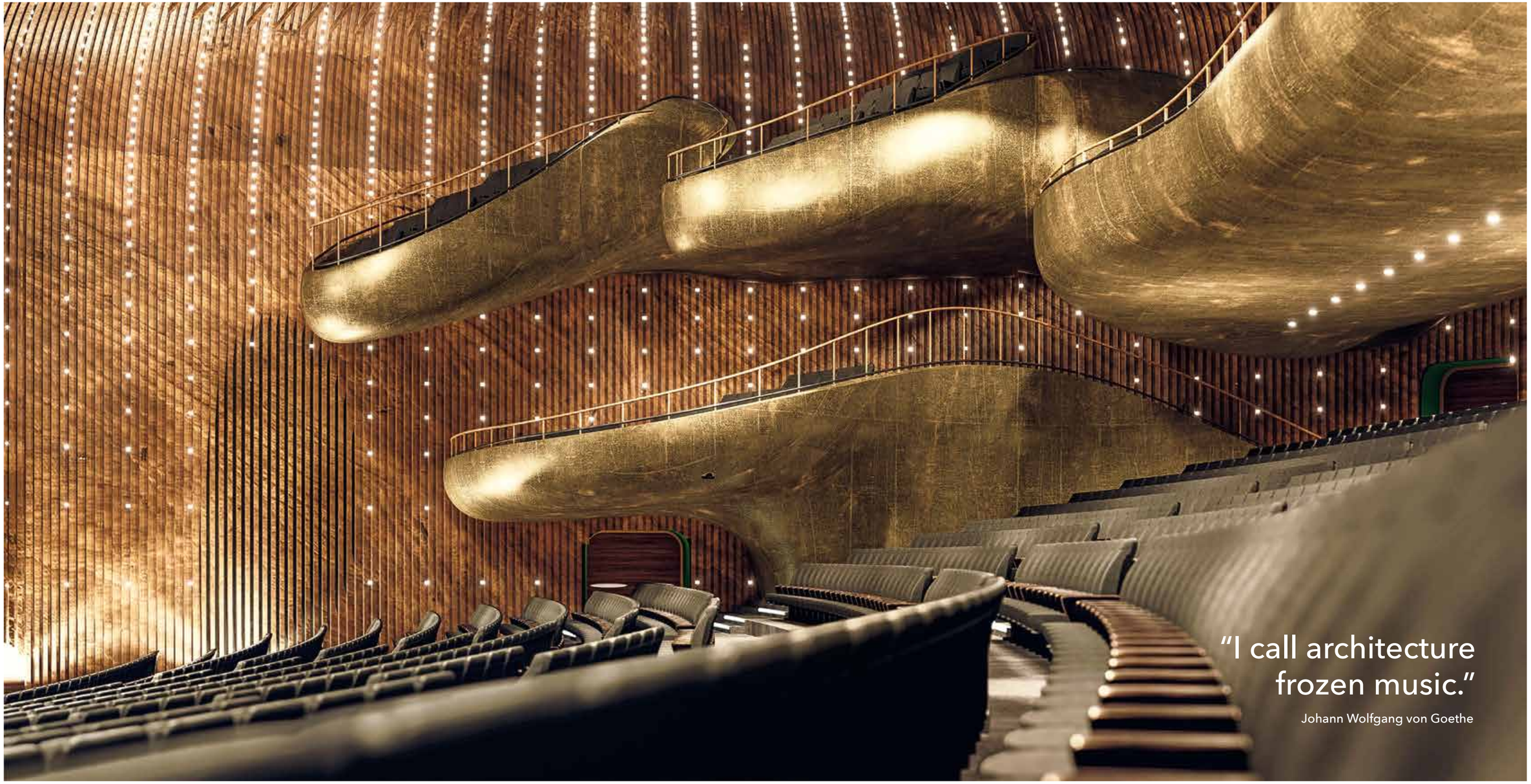
Client: Paydar Pey Sazeh Company | Architect: Giorgio Palù - 2 square group | 2019

Music and architecture share a fundamental numerical kinship, with both relying on proportion, harmony, and mathematical relationships to achieve beauty and balance. Just as music follows rhythmic patterns, a well-designed building functions as a cohesive mathematical entity.
The Iran Mall Concert Hall, currently under construction, is set to become one of the most acoustically advanced concert halls in Iran. The venue will feature a 2,000-seat main hall, spanning approximately 4,100 square meters (44,130 square feet) of floor space. Additionally, the atria will provide a welcoming, open space for guests, blending architectural elegance with functional design.

Scope of Work
Design and engineering, procurement, manufacturing, and installation of all construction works, acoustic and decorative requirements.

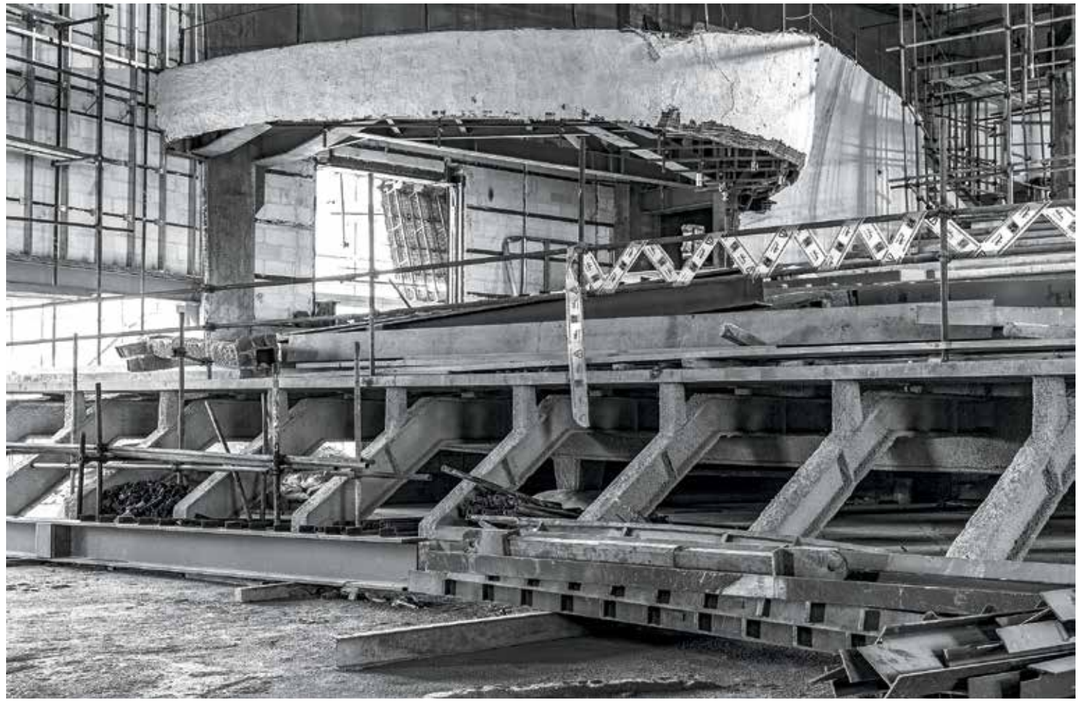





“I call architecture
frozen music.”
Johann Wolfgang von Goethe


KATO

The Iran Mall Concert Hall is designed to be one of the most acoustically advanced venues in Iran, featuring a 2,000-seat auditorium and a total floor space of approximately 4,100 square meters. Alumgostar was responsible for the complete design, construction, and installation of all structural, acoustic, and decorative elements.



IRAN MALL

DIDAR GARDEN

Client: Alborz Tat Company | Project Manager:: Kayson | Consultant: Amoudrah | Design: Norr Canada | 2018

Didar Garden, located in the northwest wing of Iran Mall, is surrounded by a variety of well-known boutiques, cafés, and restaurants. A visit to Iran Mall would be incomplete without experiencing the captivating beauty of this garden.

The garden masterfully blends authentic Persian architecture and civil engineering with modern, state-of-the-art structures from around the world. It serves as a contemporary interpretation of the ancient Persian garden, where tradition and innovation coexist harmoniously.

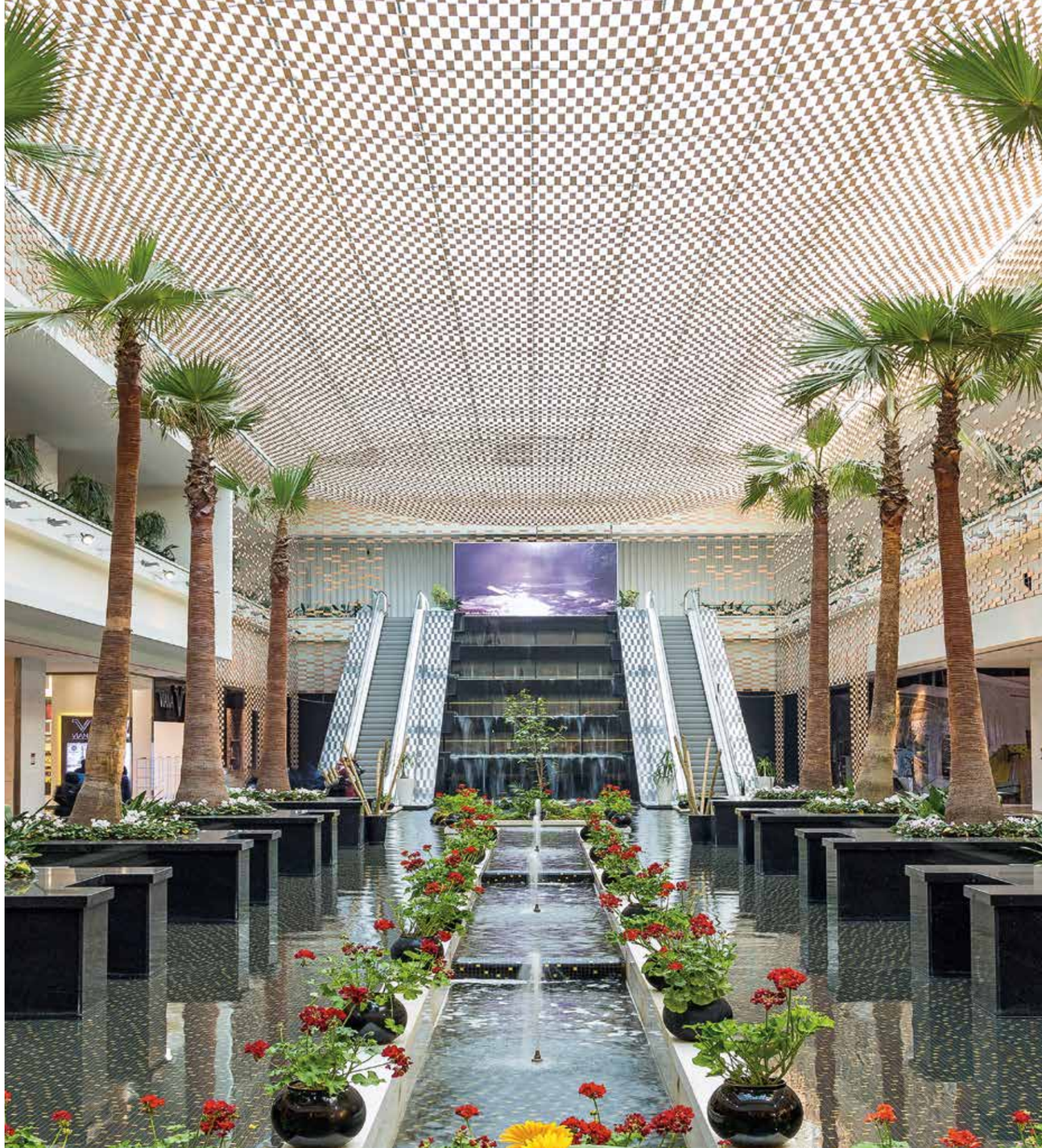
Upon entering, visitors are greeted by a series of striking features, including a multi-step waterfall on the western side and two rows of decorative palm trees flanking a stream that meanders through the garden, eventually leading to Didar Café on the eastern end.

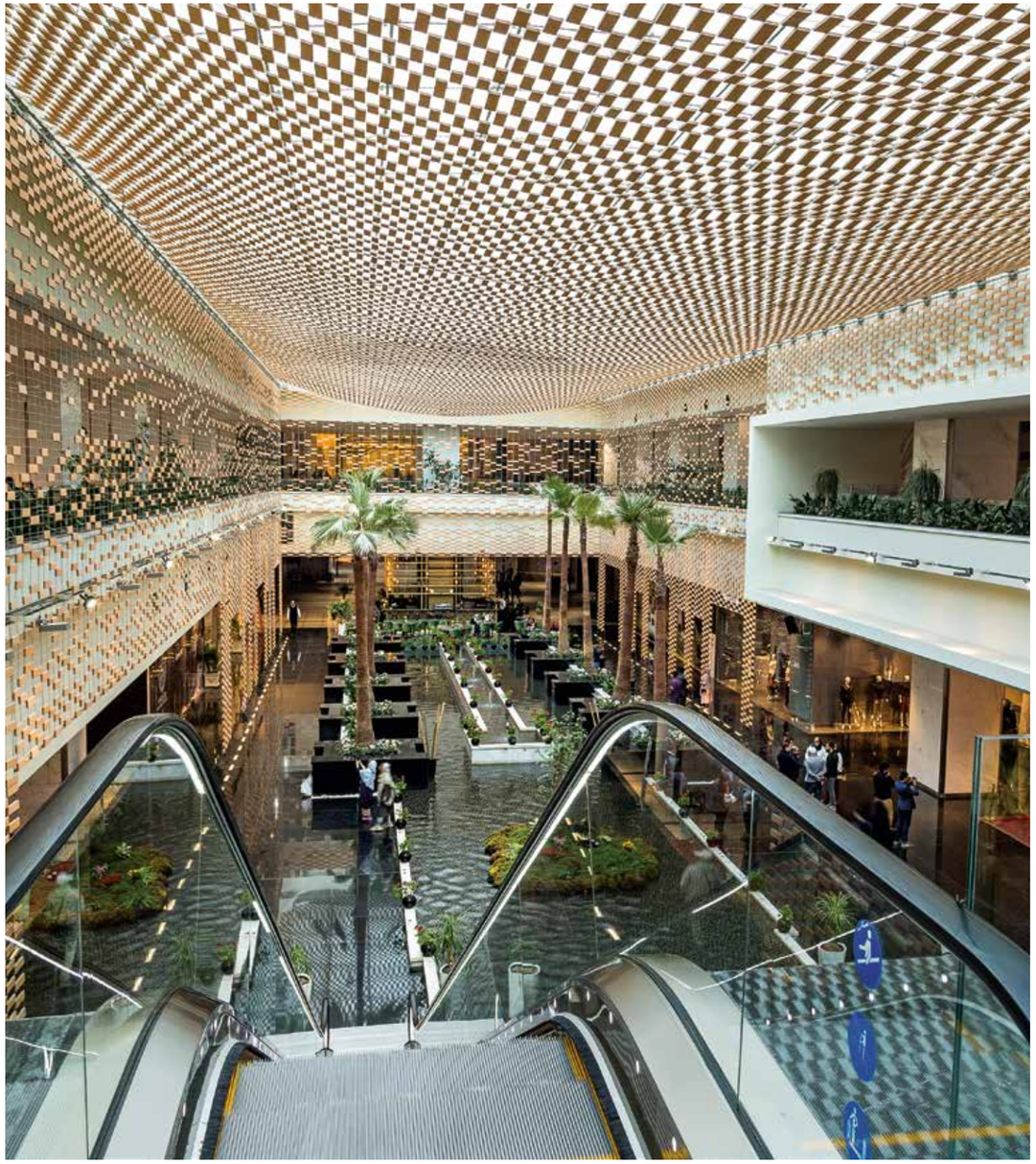
One of the garden's most distinctive elements is the glass flooring installed over the stream, accompanied by suspended walls and ceilings. The materials in this area draw inspiration from Iran's central desert architecture, incorporating reticulated brickwork and adobe to reimagine traditional materials in a modern context.

The garden also utilizes ceramic textile—an innovative, industrialized system comprising an interwoven steel wire mesh encased in a mosaic of ceramic clay tiles arranged in horizontal and vertical bands. This system, particularly when applied as a suspended ceiling, serves as an effective barrier against excessive light and heat during summer while creating visually appealing, dappled patterns of light. This permeable façade functions like a natural sunscreen, reducing solar radiation while enhancing the garden's ambiance.

Scope of Work

Design and engineering, procurement, manufacturing and installation of all construction works, including skylight, multi- step waterfall, detailed stream, glass floors, stonework, suspended walls, and ceiling (flex brick system).





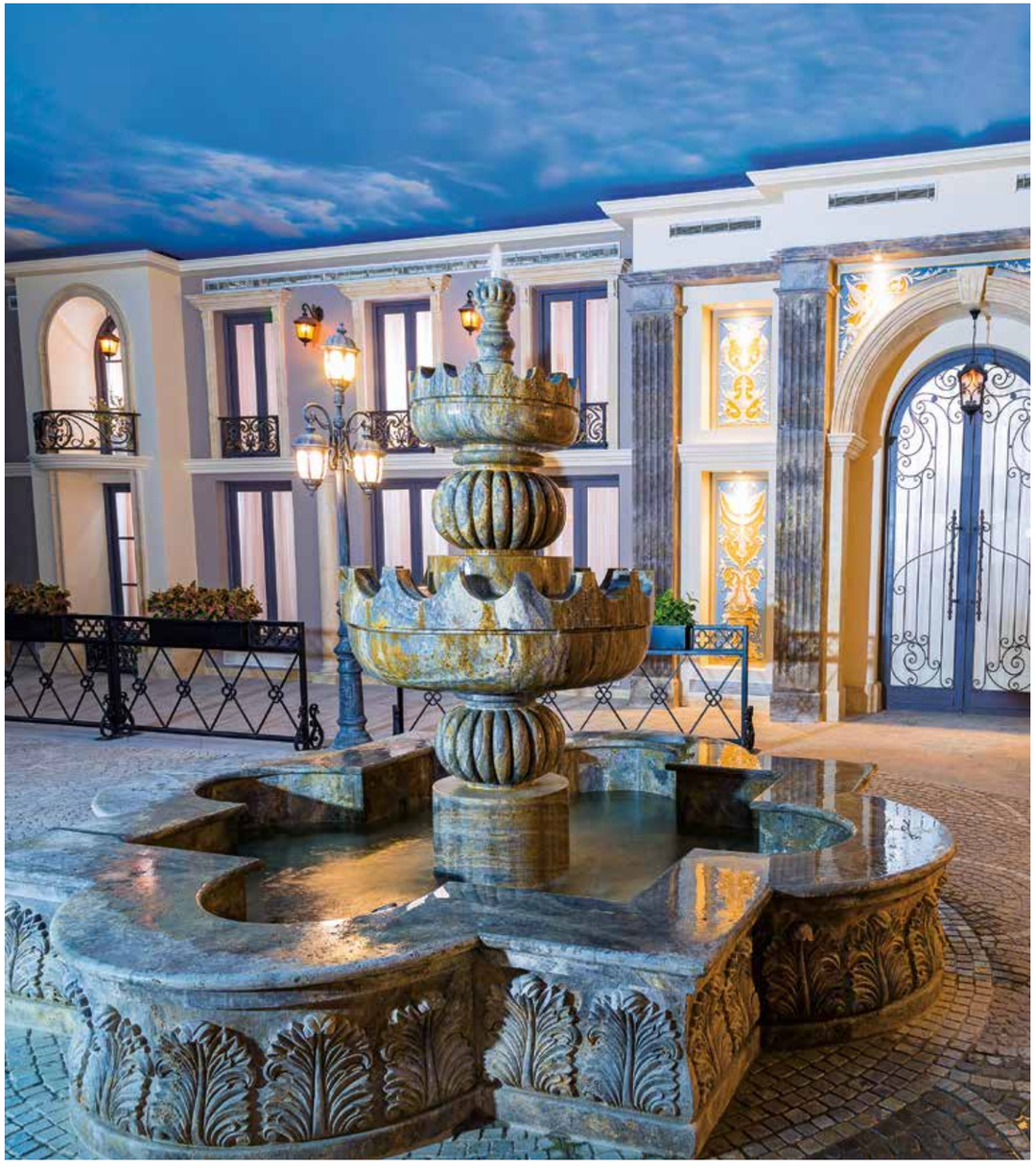
IRAN MALL

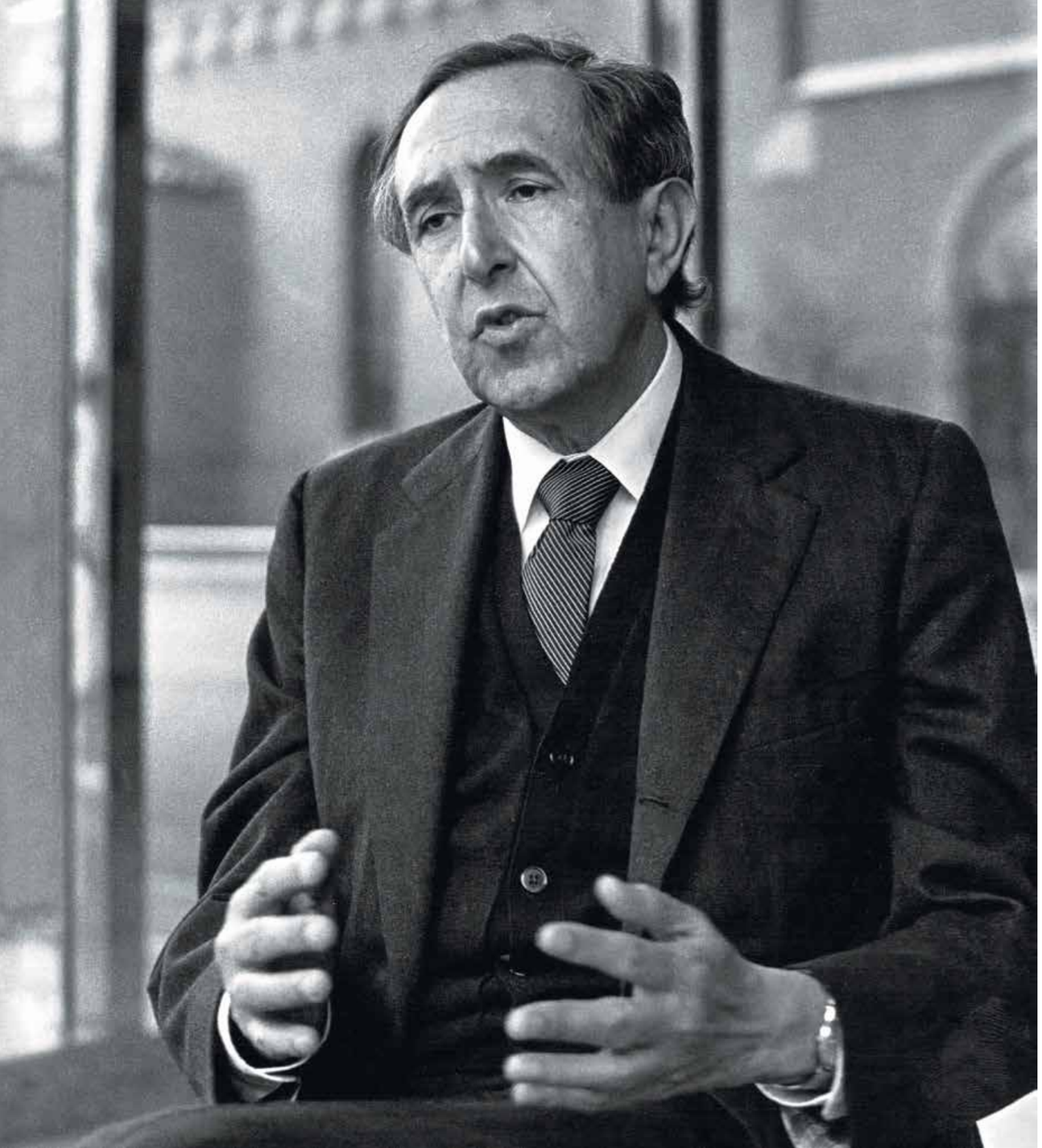
MELAL GARDEN RESTAURANT

Client: Alborz Tat Company | Project Manager: Kayson | Consultant: Amoudrah | 2018

The Melal (Nations) Garden Restaurant, located in the southwest wing of Iran Mall, is an international food hall where culinary artistry and architectural design come together. Each corner of the restaurant shows architectural styles inspired by the cultural heritage of the cuisines served.
Every space within the Melal Garden Restaurant has been crafted using high-quality materials, with meticulous attention to authenticity. The goal was to replicate each country's architectural essence as closely as possible. No artificial décor has been used in the interior or exterior, ensuring a genuine and immersive experience for visitors.

Scope of Work
Design & engineering, procurement, manufacturing and installation of about 7,000 square meters (75,350 square feet) construction works, which is about 58 percent of total construction.





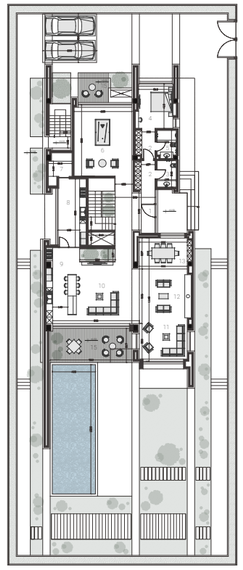
"THE DESIRE TO REACH FOR THE SKY RUNS DEEP IN OUR HUMAN PSYCHE."

Cesar Pelli

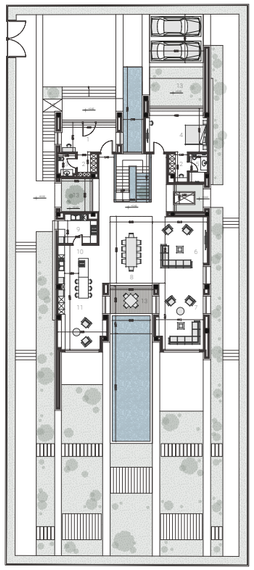
VILLAS NO. 42 & 46

GOLCHIN

Architect: Behzad Heydari - Pargar Consulting Engineers | 2025



No. 42



No. 46

This Project is an exemplary representation of modern architecture, inspired by the Kooshk House architectural style, with an emphasis on the seamless connection between spaces and nature. This project comprises two distinct villas, each with unique features, yet unified through shared architectural principles that make them part of a cohesive ensemble.

Design and Features of Villa 42

Villa 42 is organized around a central core, which seamlessly connects the ground floor to the upper levels, serving as the focal point for organizing the villa's public, semi-public, and private spaces, including bedrooms. This design takes inspiration from the Santa Emilia House by Annibal Bizozoto, emphasizing the flow and continuity between spaces.

A key architectural feature of Villa 42 is its elevated bridge-like corridors, positioned slightly above the surrounding spaces. These corridors enhance the sense of openness and relaxation, while fostering a stronger connection to the villa's lush green interior spaces.

The project's design evolution placed particular emphasis on interior modeling and rendering, executed with remarkable precision and elegance. Beyond portraying the geometrical clarity of the spaces, the renderings aim to convey the sensory experience of living within the villa, offering a holistic understanding of its ambiance.

Design and Features of Villa 46

Villa 46 is situated in Golchin Town, Klar Abad, on a 1,050-square-meter plot, and embodies the concept of a structure that functions like a pavilion or gazebo. This villa is designed to transition seamlessly from a closed private space to an open, adaptable structure, offering flexibility and communion with the surrounding environment.

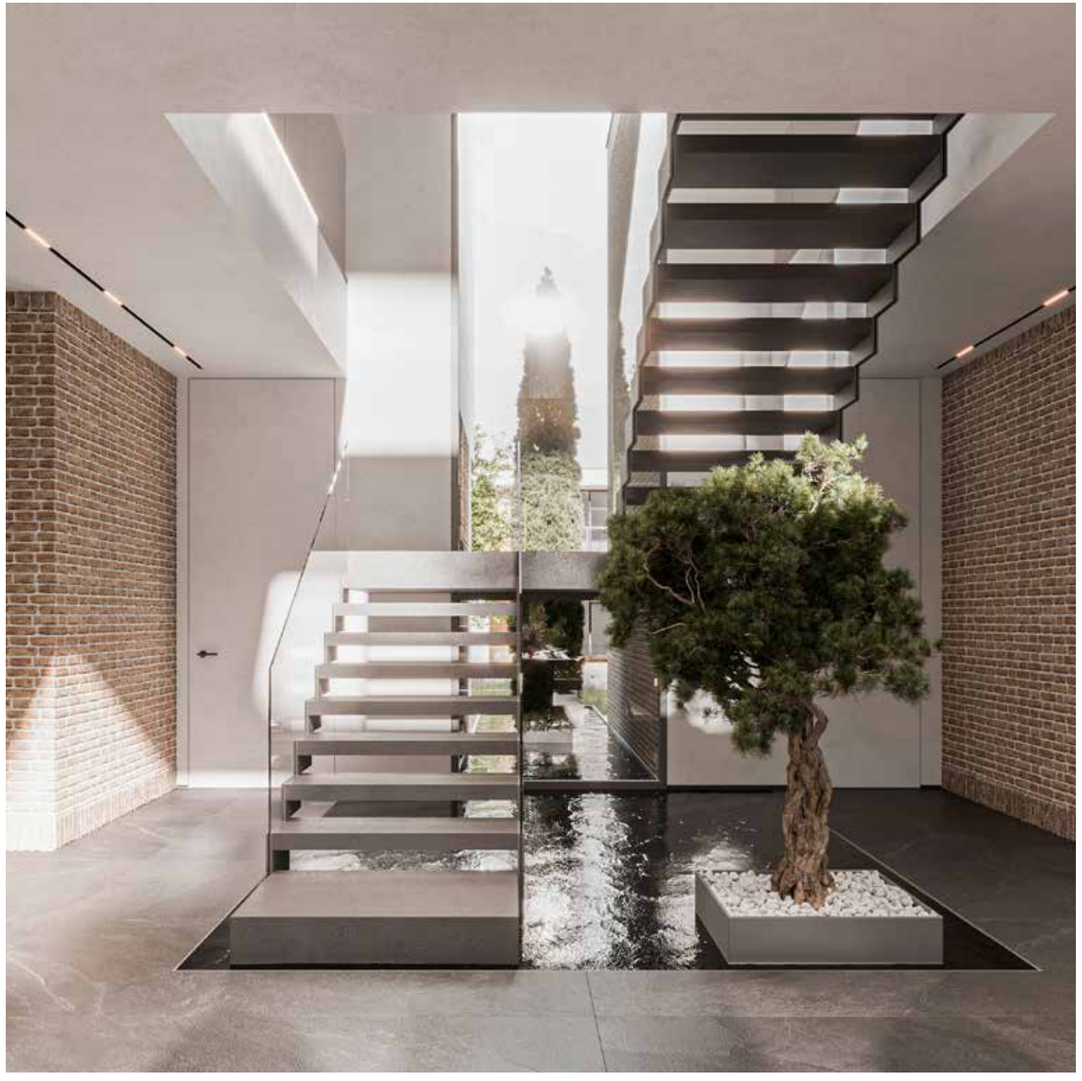
Taking advantage of its prime forest-facing location, Villa 46 incorporates expansive lift-and-slide windows with foldable profiles on the top and bottom. These windows enhance the connection between the villa's interior and the natural landscape.

One of the most striking features of Villa 46 is the central void at the entrance, which houses a round staircase. The area above the staircase is designed as a hollow space, accentuating the circular aesthetics of the staircase. Additionally, a skylight above the stairwell floods the area with natural light, enhancing the sense of openness while serving as the primary vertical circulation route between the ground floor and the upper levels.

Structural and Functional Features of Villa 46

Villa 46 is constructed using reinforced concrete, featuring 4-meter cantilevered balconies that provide shade and filter sunlight during the hotter seasons. These overhangs enhance the villa's pavilion-like quality, especially when the ground-floor openings are fully open, creating a breezy and inviting space for its occupants.

Key amenities of Villa 46 include:
Four master bedrooms, ensuring comfort and privacy for residents.
A year-round swimming pool for leisure and relaxation.
A dedicated playground for families.
A 500-square-meter Japanese courtyard, adding both aesthetic charm and functional outdoor space.
The villa is scheduled for completion by the end of 2024.



Conclusion

The Villa 42 and 46 Project is a testament to modern design principles, skillfully blending functionality, nature, and aesthetics. While Villa 42 emphasizes core-based spatial organization and interior greenery, Villa 46 embraces a more pavilion-like, adaptable approach, leveraging its connection to the surrounding natural environment. Together, these villas form a comprehensive and harmonious project, offering residents a seamless blend of comfort, serenity, and architectural excellence.

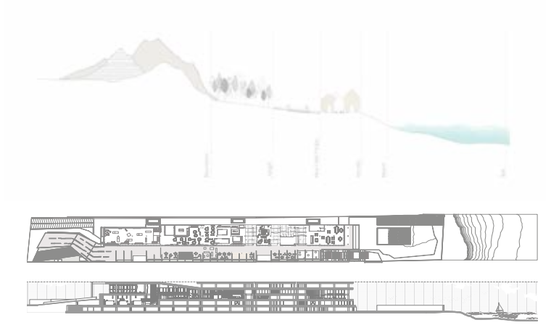
HUECK VOLATO SLS 075

SLIMLINE SLIDING DOOR SYSTEM

The HUECK Volato SLS 075 is a thermally insulated sliding door system designed for modern architectural projects requiring seamless transitions, expansive glass surfaces, and refined aesthetics. With a frame depth of 75 mm, this system offers exceptional thermal insulation performance (Uf ≥ 1.4 W/m²K) while maintaining a minimalistic sightline that enhances natural lighting and visual openness. Its slim-profile design, coupled with robust aluminum construction, makes it ideal for high-end residential and commercial applications—particularly in curtain wall integrations, terraces, winter gardens, and premium façades. The system supports both manual and motorized operations and is engineered for silent, smooth gliding, ensuring comfort and longevity. Volato SLS 075 is compatible with multiple glazing variants and can be customized for security classes up to RC2, offering a secure yet elegant solution for contemporary spaces.

DARYA-KOOCHE

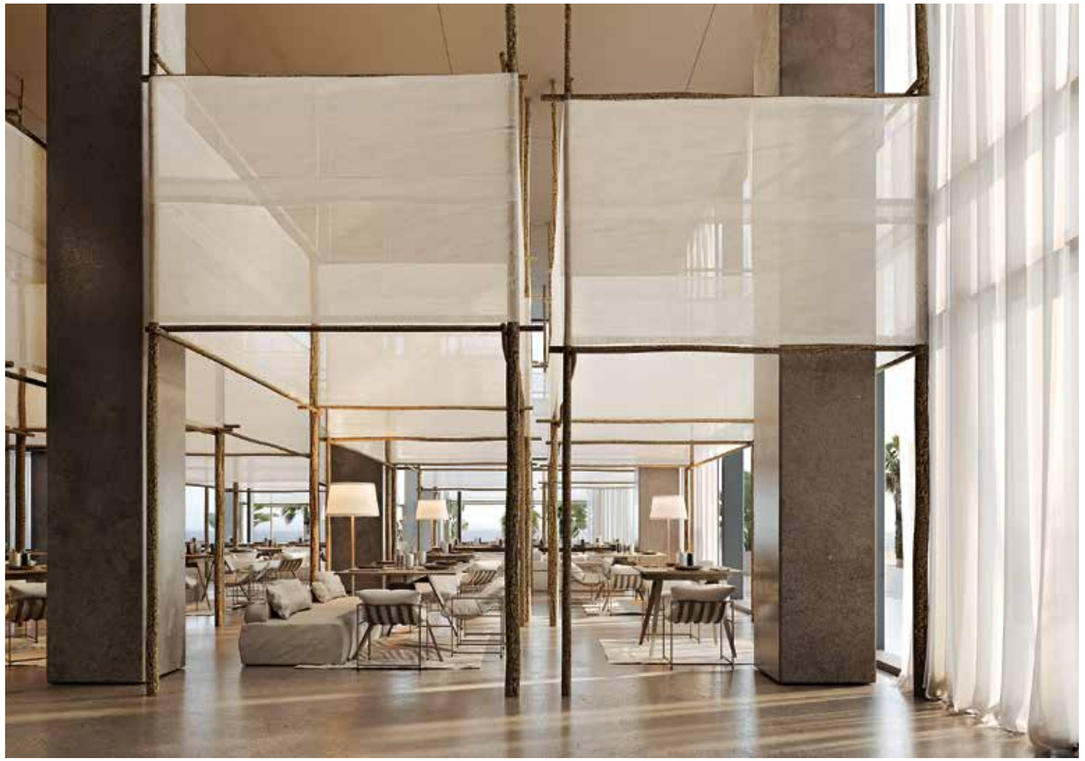
Architect: Behzad Heydari - Pargar Consulting Engineers | 2025



Darya-Koocheh spans an area of approximately 3,670 square meters in the city of Noor, located in Mazandaran Province.

The complex thoughtfully brings together a variety of spaces, including a children's boutique, a bakery, a café, an Iranian restaurant, and a Western bistro. Its design is deeply rooted in the cultural and geographical character of northern Iran. Positioned alongside the Caspian coastline, Darya Koocheh follows a conceptual path from south to north, reflecting the diverse landscapes of the region.

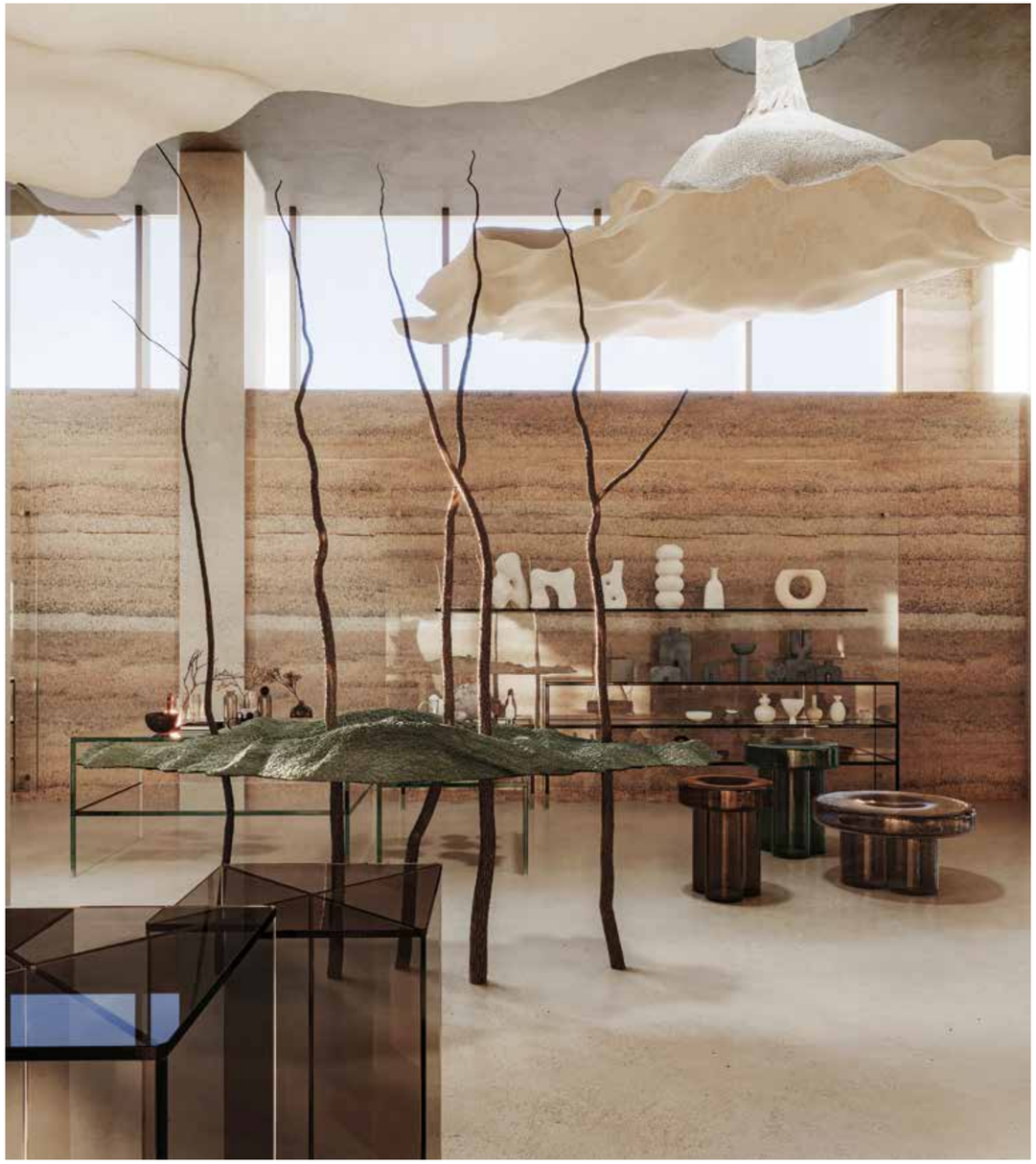
Drawing inspiration from the notion of a poetic journey, Darya Koocheh reimagines a passage through Mazandaran, moving from the foothills of the Alborz Mountains to the warm shores of the Caspian Sea. Every architectural and landscape element is shaped to embody the spirit of this vibrant and lush region.



The journey begins at the southern end of the complex, leading visitors across rocky terrains once inhabited by deer, and continues toward the dense green forests of the Hyrcanian landscape. Passing beneath arches formed from branches and green foliage, visitors ascend gradually toward the restaurant, where a sense of shelter beneath the trees creates a moment of tranquility.

The path continues into the earth, inviting guests to walk between natural wood and stone surfaces, deepening their connection to the land. As they pass through a warm and inviting café, they are offered sweeping views toward the northern horizon, creating a serene pause within the experience.

Darya Koocheh is not merely a pathway. It is a living village where the rhythms of rural life and nature come together. Visitors wander through fields of golden wheat, touched by the shimmering sunlight, and experience scenes of harvest and rural tradition. Their journey concludes at a restaurant filled with seasonal flavors and the welcoming scents of freshly prepared meals. In this place, hands find warmth, hearts discover calm, and lasting memories are gently created.



HUECK LS 55 ISO

THERMALLY BROKEN LIFT-AND-SLIDE SYSTEM

The HUECK LS 55 ISO is a high-performance lift-and-slide door system offering optimized thermal insulation and mechanical durability, suited for both residential and commercial environments where energy efficiency and design precision are paramount. With a basic frame depth of 55 mm and a thermally broken profile construction, this system achieves notable Uw-values as low as 1.3 W/m²K, depending on configuration. The lift-and-slide mechanism ensures effortless movement of large and heavy sliding elements, making it a preferred choice for wide-span openings with high glass-to-frame ratios. The system supports a wide range of infill thicknesses and is designed to comply with stringent European standards for wind load resistance, air permeability, and watertightness. LS 55 ISO is particularly well-suited for modern villas, hotel fronts, and glazed partitions where the architectural intent is to create unobstructed panoramic views without compromising on thermal comfort and weather performance.

GOLCHIN TWIN VILLAS

Architect: Behzad Heydari - Pargar Consulting Engineers | 2025

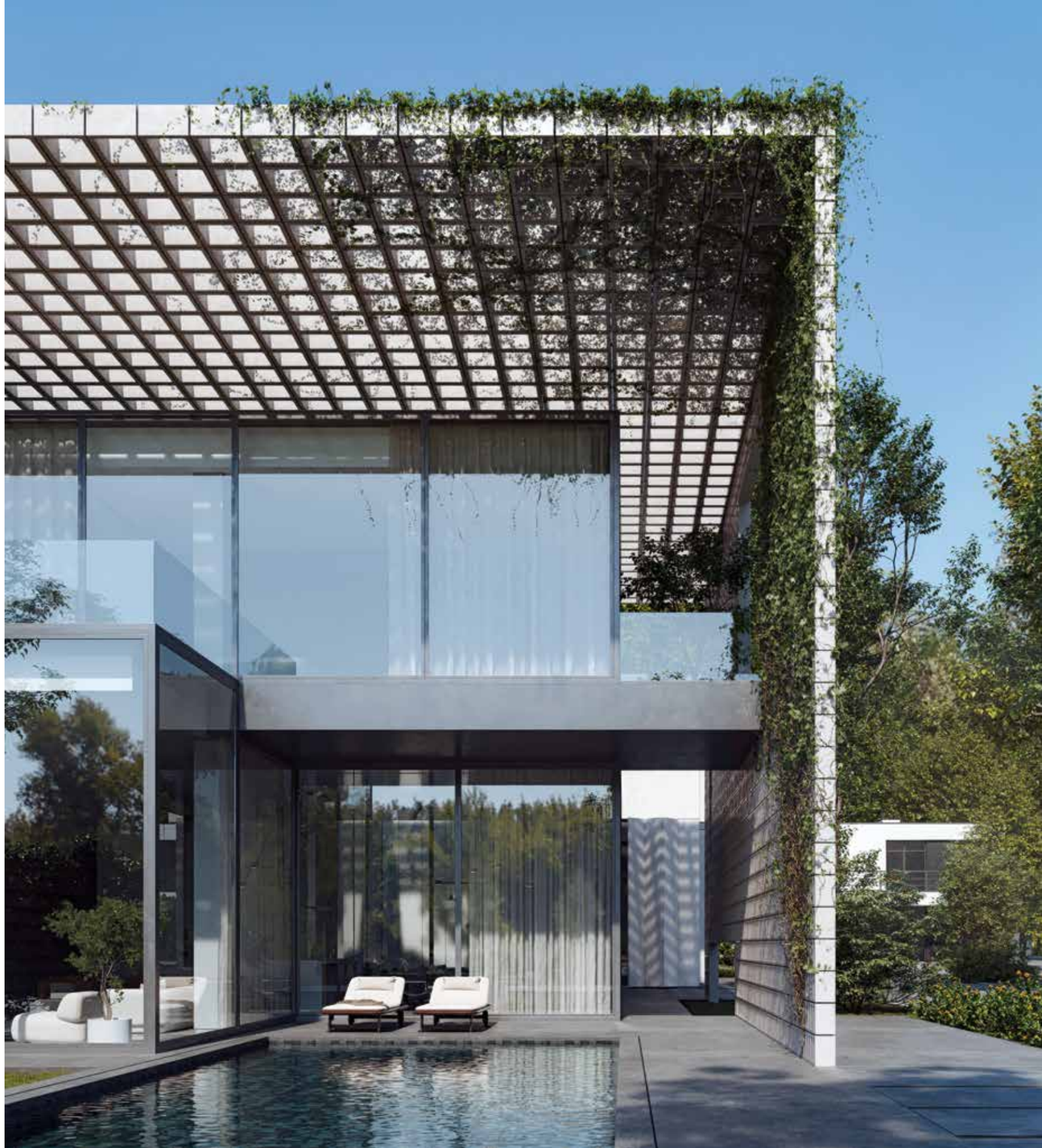
Golchin Villas Nos. 20 and 21 are architectural responses shaped by the unique conditions of their site, located in the Golchin village in Mazandaran Province.

Despite the similar dimensions of the two adjacent lots, the different positions of the plots within the complex, along with the orientation toward the main street, created distinct starting points for the design. The street that divides the two plots transformed a potential challenge into an opportunity, allowing the project to generate two independent yet complementary narratives.

Unlike other streets in the complex that lead to common facilities, this particular street simply separates the two villas. This required a thoughtful approach to maintaining privacy, respecting personal boundaries, and preserving the connection to the surrounding nature, without the need for imposing walls or heavy structures.

One of the principal concerns of the project was to define the boundary between private living spaces and the adjacent street, while ensuring the homes remained immersed in natural light and maintaining a sense of vitality and neighborly presence. The challenge was answered by dividing the project into two distinct volumes, forming two boxes with two separate worlds.

In this design, everyday life is intended to remain light, free, and in constant touch with nature. Public spaces of the houses facilitate an open connection to the outdoors, while the private areas are designed to provide secluded and protected retreats.



Architecture in this project does not merely serve as a shell but rather acts as a dynamic skin that adjusts throughout the day. A movable lattice façade plays the role of an intermediary boundary. It is neither a wall nor a curtain, but a bridge between freedom and protection, rising from the ground and flowing seamlessly into the roofline.

This permeable boundary can be rotated by the residents according to their needs, limiting visibility from outside without compromising their own internal openness. It mediates between the transparent volumes of the houses and the adjacent pedestrian passage, ensuring privacy without sacrificing light or spatial fluidity.

Each villa is constructed as an independent duplex, situated on a symmetrical lot of approximately 1,100 square meters. Despite the shared language between the two, each villa presents its own spatial structure. With a built area of around 650 square meters, the project offers spaces designed for living, playing, hosting, and retreating.

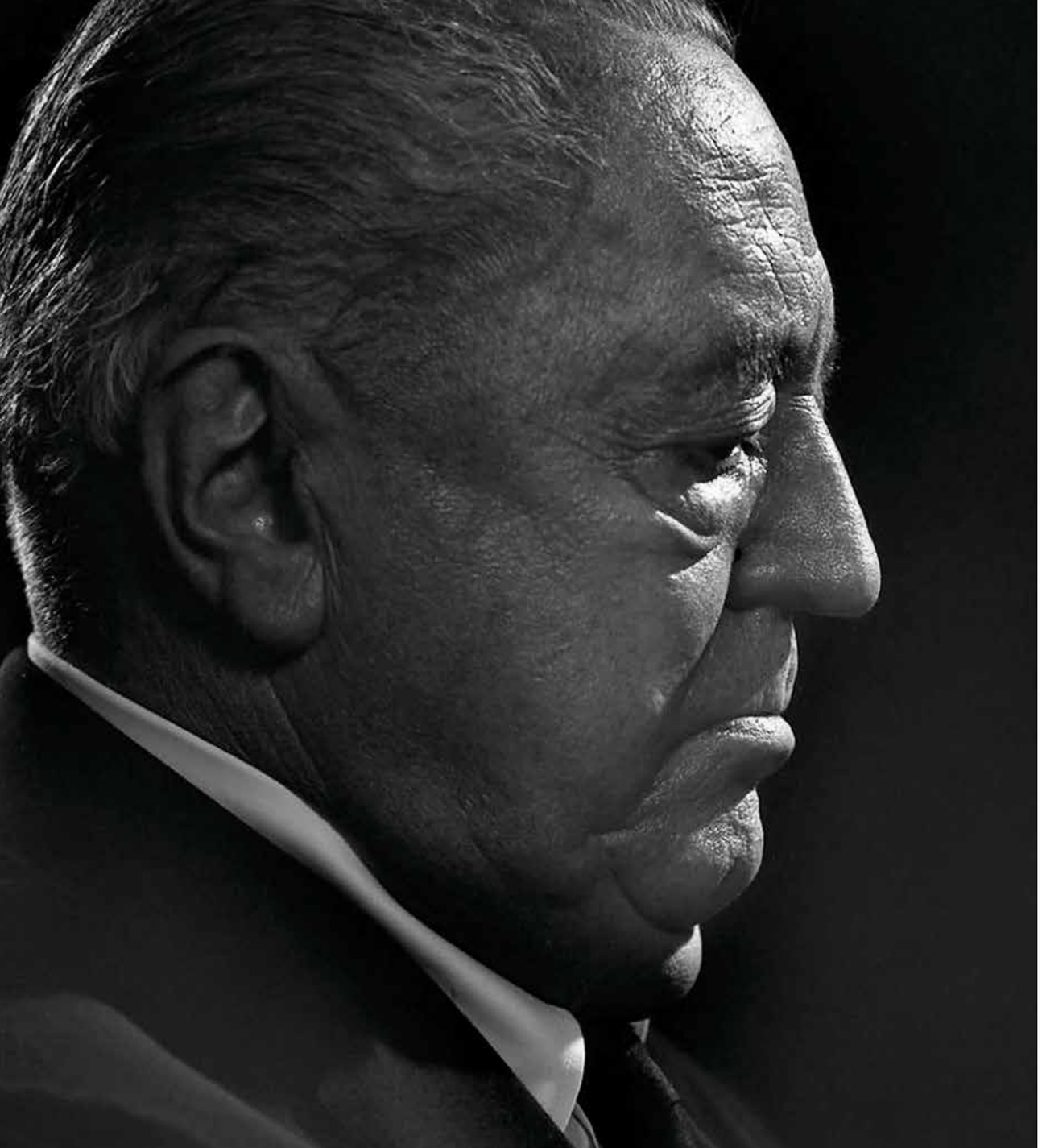
On the ground floor, the main living spaces, a guest room, and recreational areas are positioned, while three bedrooms are located on the upper floor. Throughout the project, green spaces and water features have been thoughtfully integrated into the fabric of daily life, creating a clear break from the rhythm of the urban environment and offering residents an opportunity to experience pure living in the heart of nature.

HUECK

LAMBDA 65M WINDOW

MODULAR AND VERSATILE WINDOW SYSTEM

The HUECK Lambda 65M is a modular, high-quality window system that combines structural rigidity, design flexibility, and thermal efficiency in one compact solution. With a construction depth of 65 mm, it features multi-chamber thermal breaks and high-quality insulating gaskets to deliver Uf-values from 1.6 W/m²K, enabling compliance with energy-efficient building standards. The Lambda 65M system supports a wide variety of opening types—including turn, tilt, tilt-and-turn, and fixed glazing—making it ideal for both new constructions and retrofit projects. Its modularity allows seamless integration into curtain wall systems or combination with door and sliding elements from the same HUECK series. The system is certified for RC2 security class, sound insulation up to Rw = 45 dB, and can accommodate double or triple glazing, making it suitable for use in residential complexes, office buildings, schools, and public institutions where both performance and aesthetics are required.



"GOD IS IN DETAILS."

Ludwig Mies Van Der Rohe

INTERIOR ARCHITECTURE

IRAN MALL

LE PATIO RESTAURANT

2019

Le Patio Restaurant, located in the northwest of Didar Garden, is one of the standout attractions of Iran Mall.

The restaurant's design thoughtfully utilizes distinctive forms and materials to maximize visual impact, skillfully blending spaces, textures, and light to create a unique character. It features a collection of distinct yet interconnected areas, including a restaurant, café, bar, bakery, and a luxurious VIP room. Each space maintains its own identity while allowing seamless movement throughout the venue. This interconnected design preserves a sense of intimacy despite the open layout.

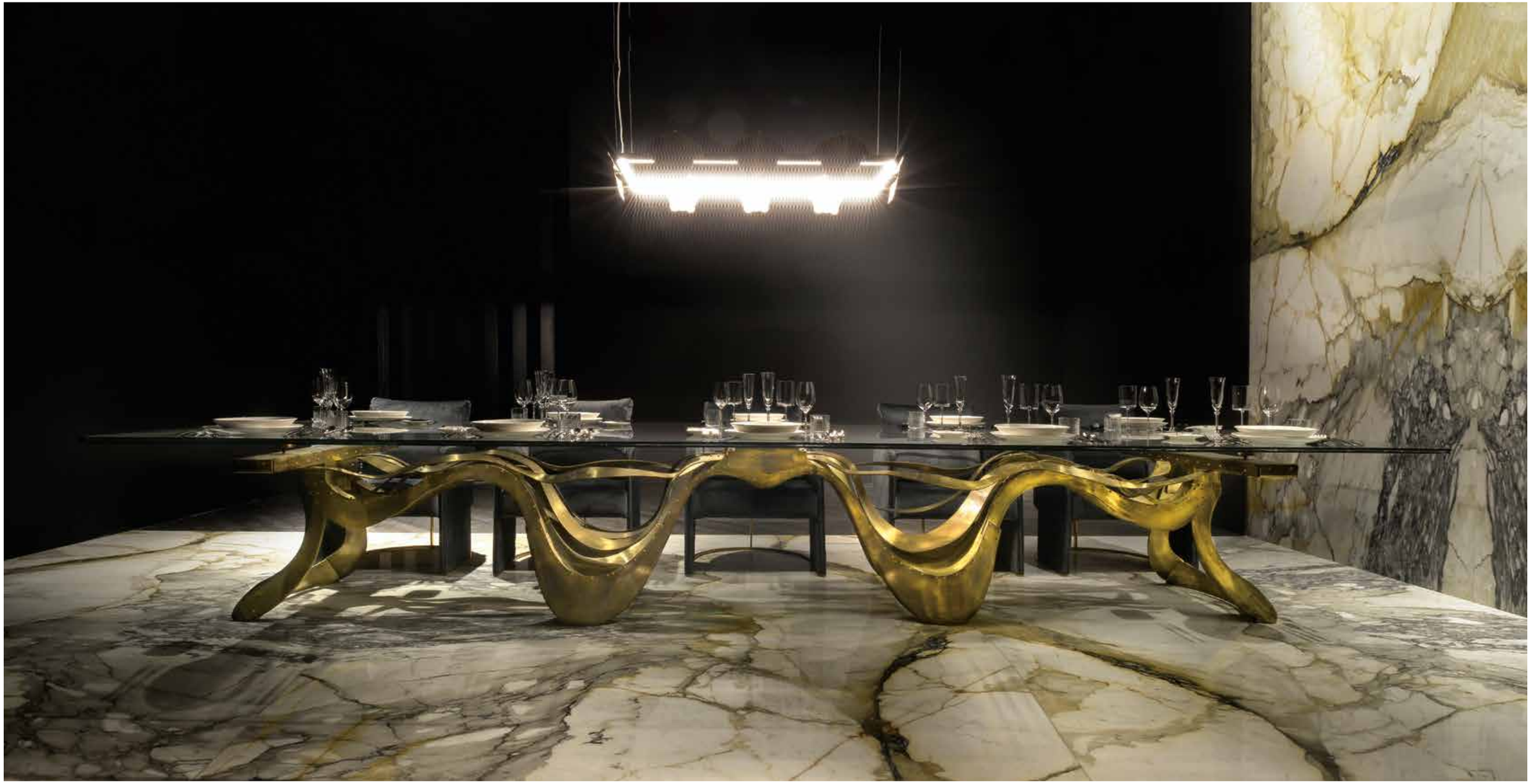
In today's era of growing interest in natural, organic lifestyles, incorporating elements of nature into interior design has become essential. The restaurant's green wall exemplifies this approach, serving multiple purposes: it absorbs ambient noise, enhances indoor air quality by filtering volatile organic pollutants, and adds a visually striking, functional piece of living art to the space.

Scope of Work

Design and engineering, procurement, manufacturing and installation of about 650 square meters (7,000 square feet) construction works, including stonework, woodwork, furniture, green walls, bronze decorative parts, and so on.

LE PATIO RESTAURANT VIP ROOM

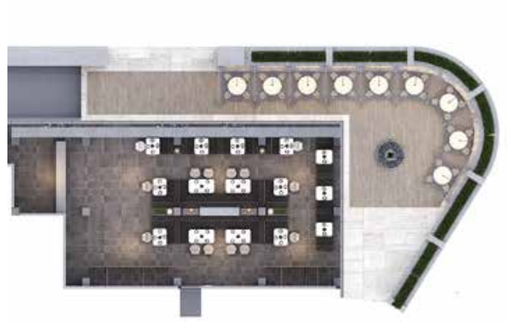
An intimate VIP room is located in northern zone of the restaurant, and is disconnected from the restaurant's main entrance by a public passageway. The Avant-garde design succeeds in creating a moody and sophisticated environment that has been a big hit for the restaurant.

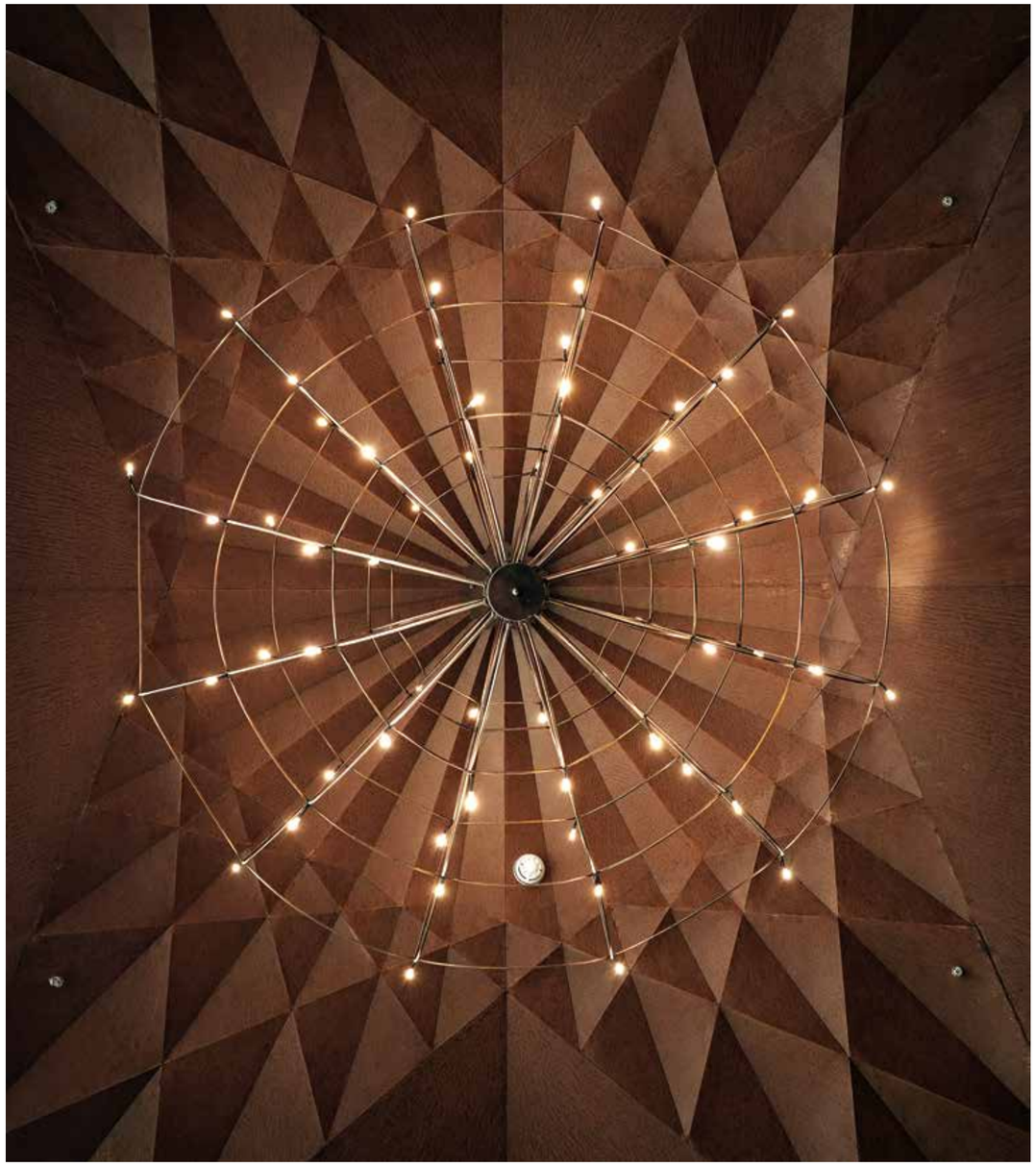


ZAMAN RESTAURANT

Architect: Behzad Heydari - Pargar Consulting Engineers | 2025

The concept of time is often understood through specific measurements and frameworks. The term «time» itself is shaped by diverse cultural and scientific perspectives, each defining it within its own context. At its core, time is not just a sequence of events; it is a fundamental aspect of existence that governs our understanding of change and continuity.
This document explores how time is structured and interpreted across various fields, including philosophy, science, and daily life. It highlights the many ways time can be measured—through clocks, calendars, and natural phenomena.
Additionally, the text delves into a subjective experience





of time, noting that it can feel elastic depending on circumstances and emotions. For instance, moments of joy may seem fleeting, while periods of waiting may feel endless.

Our understanding of time also influences how we interact with one another and plan our lives, shaping our routines and responsibilities. The document underscores the significance of recognizing these different dimensions of time to navigate life with greater awareness and effectiveness.

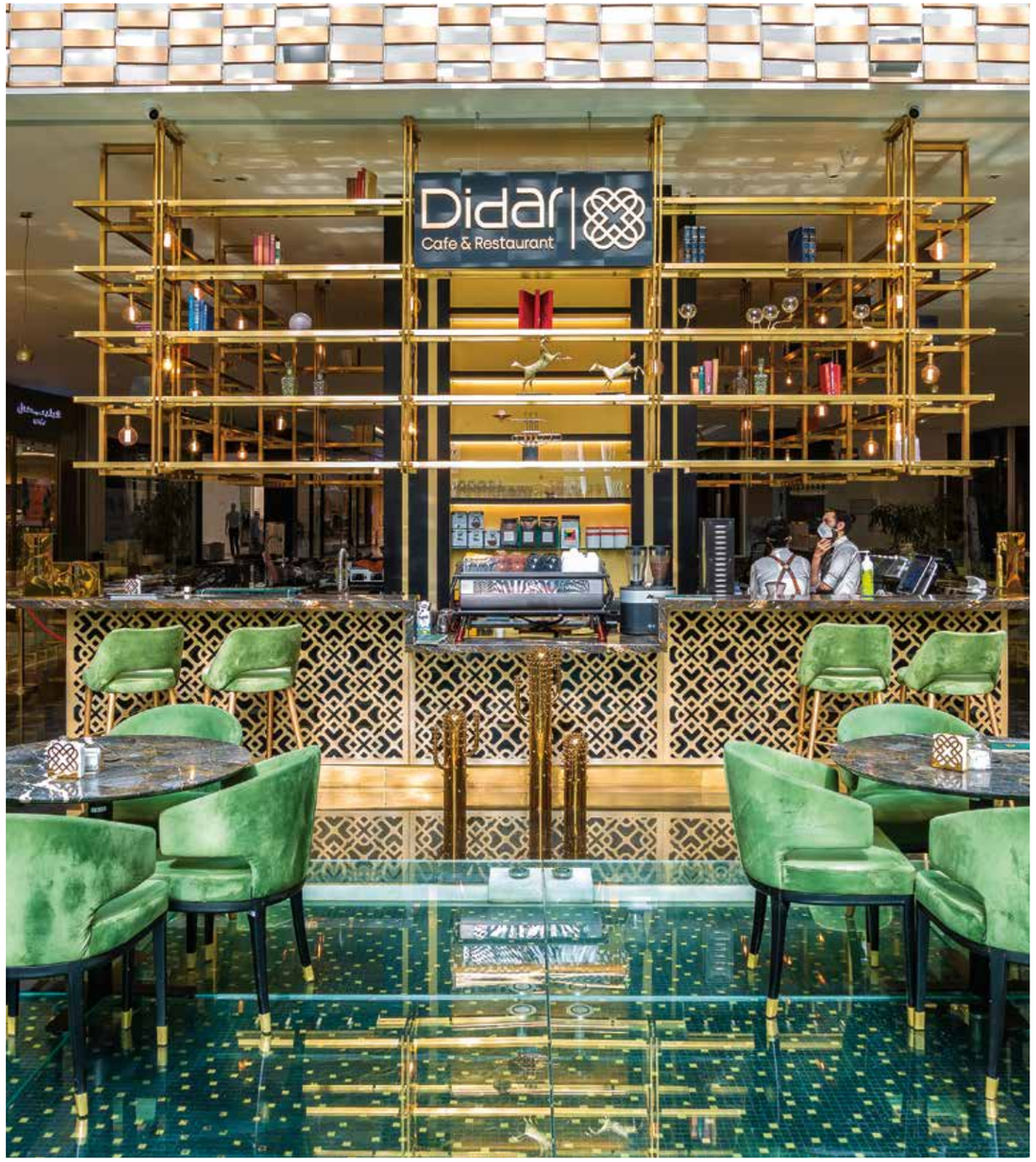
IRAN MALL

DIDAR CAFÉ

2018

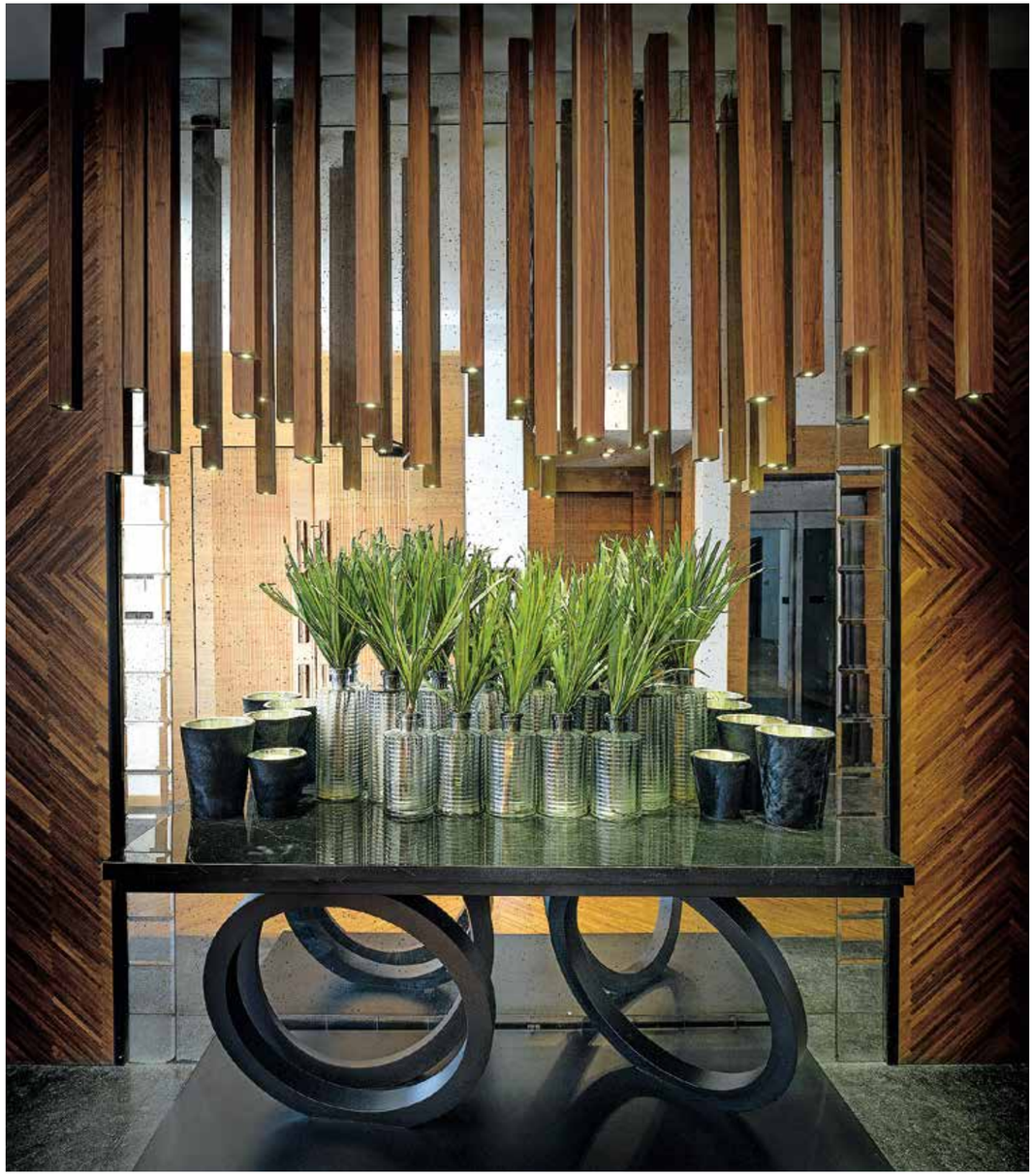
Coffee shops have become an integral part of modern life, presenting architects and designers with the challenge of finding innovative ways to create spaces that offer comfort and relaxation.
Didar Café, located in the eastern zone of Didar Garden, is one of Iran Mall's most inviting attractions. The café stands out with its distinctive design and creative aesthetics, delivering a one-of-a-kind experience for its visitors.

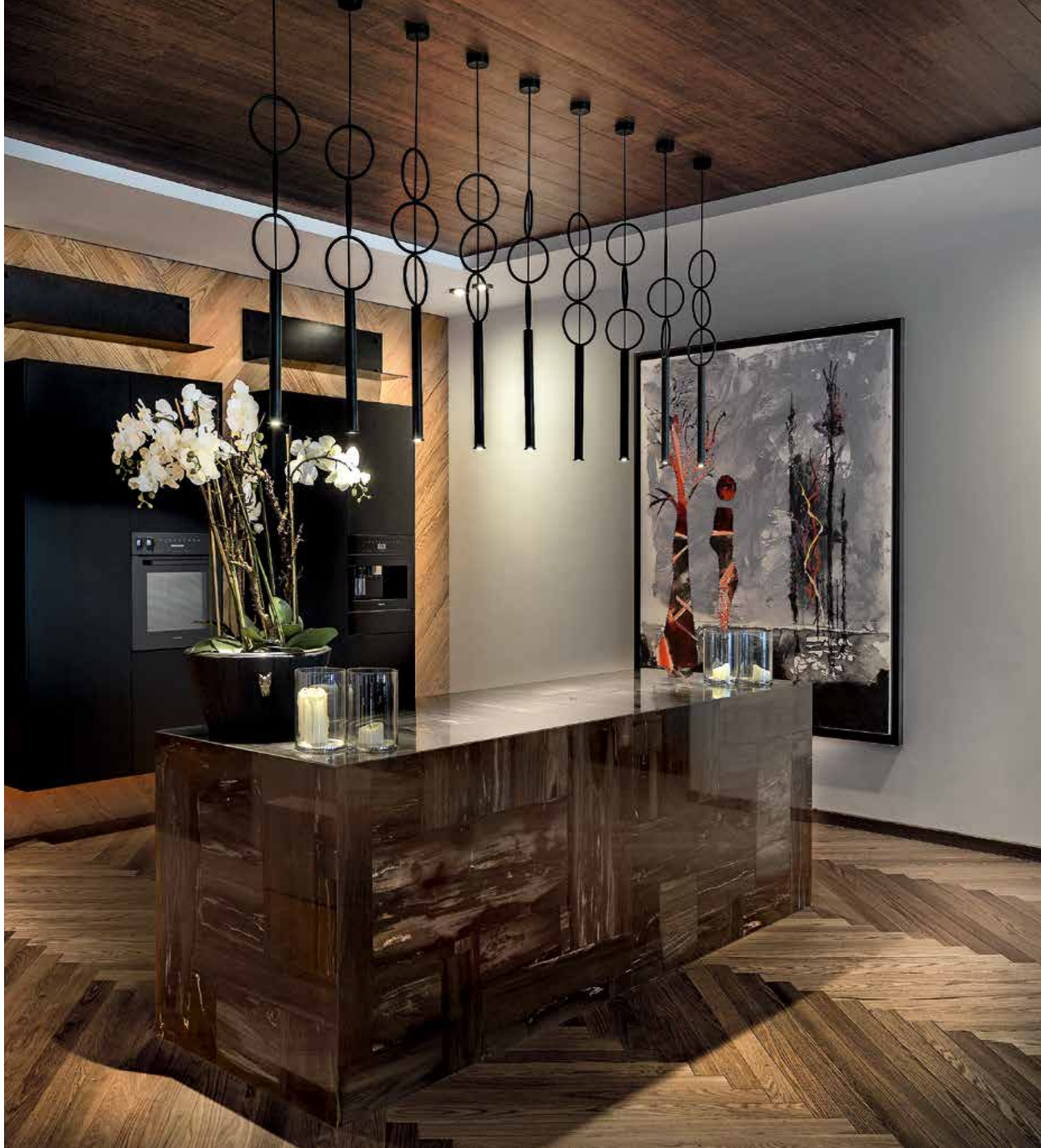
Scope of Work
Design and engineering, procurement, manufacturing and installation of about 200 square meters (2153 square feet) construction works including stonework, glass floor, furniture, bronze decorative parts, and so on.

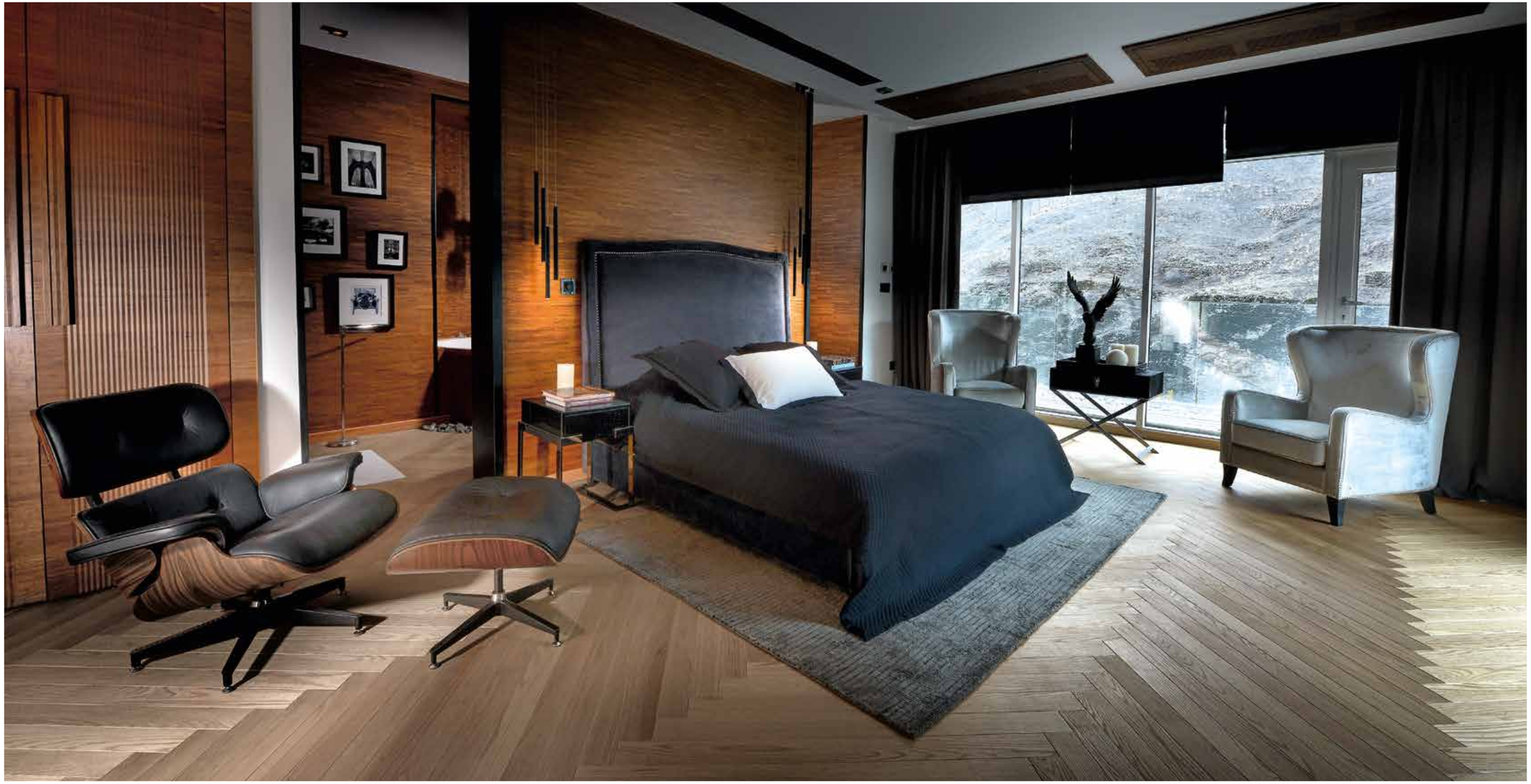

Didar
Cafe & Restaurant

RESIDENTIAL VILLA

2019







IRAN MALL

BALLY STORE

2018

Founded in Switzerland in 1851, Bally is one of the world's most enduring luxury brands, with a rich heritage and a long-standing reputation for exceptional craftsmanship.
The Bally Store, located in the southern central area of Didar Garden, is among the prominent luxury retail spaces in Iran Mall.
Its design features carefully selected materials that artfully balance texture and light to create a distinctive, sophisticated atmosphere. The design team prioritized capturing the core values that define the Bally brand: authenticity, honesty, and craftsmanship.


BALLY
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a Swiss luxury fashion house
fashion
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a Swiss luxury fashion house
BALLY

IRAN MALL

CAVALLI CLASS STORE

2018

Interior design in the retail industry must meet several essential criteria: it should reflect the brand's style and history, guide customers seamlessly through the space, and foster creativity and boldness to transform the physical environment into an immersive experience. It plays a crucial role in shaping our interactions with the spaces around us. The Cavalli Class Store, located near Didar Garden alongside the Bally Store, is a prime example of luxury retail at Iran Mall.

Luxury retail stands apart from regular retail in numerous ways, from the store's design and atmosphere to the merchandising, visual displays, and the overall customer experience. We blend luxury aesthetics, timeless fashion, and innovative elements to create a distinctive, signature look tailored to each brand's identity.


کاوالی
کلس
cavalli
CLASS
کاوالی
کلس
RCS106

HATEF RESTAURANT

Architect: Behzad Heydari - Pargar Consulting Engineers | 2025

The rooms are designed with a distinctive architectural style, featuring a dome-shaped ceiling adorned with intricate decorations around the wooden windows. The space exudes a sense of grandeur, with two main entrances that set the tone for the rest of the structure.

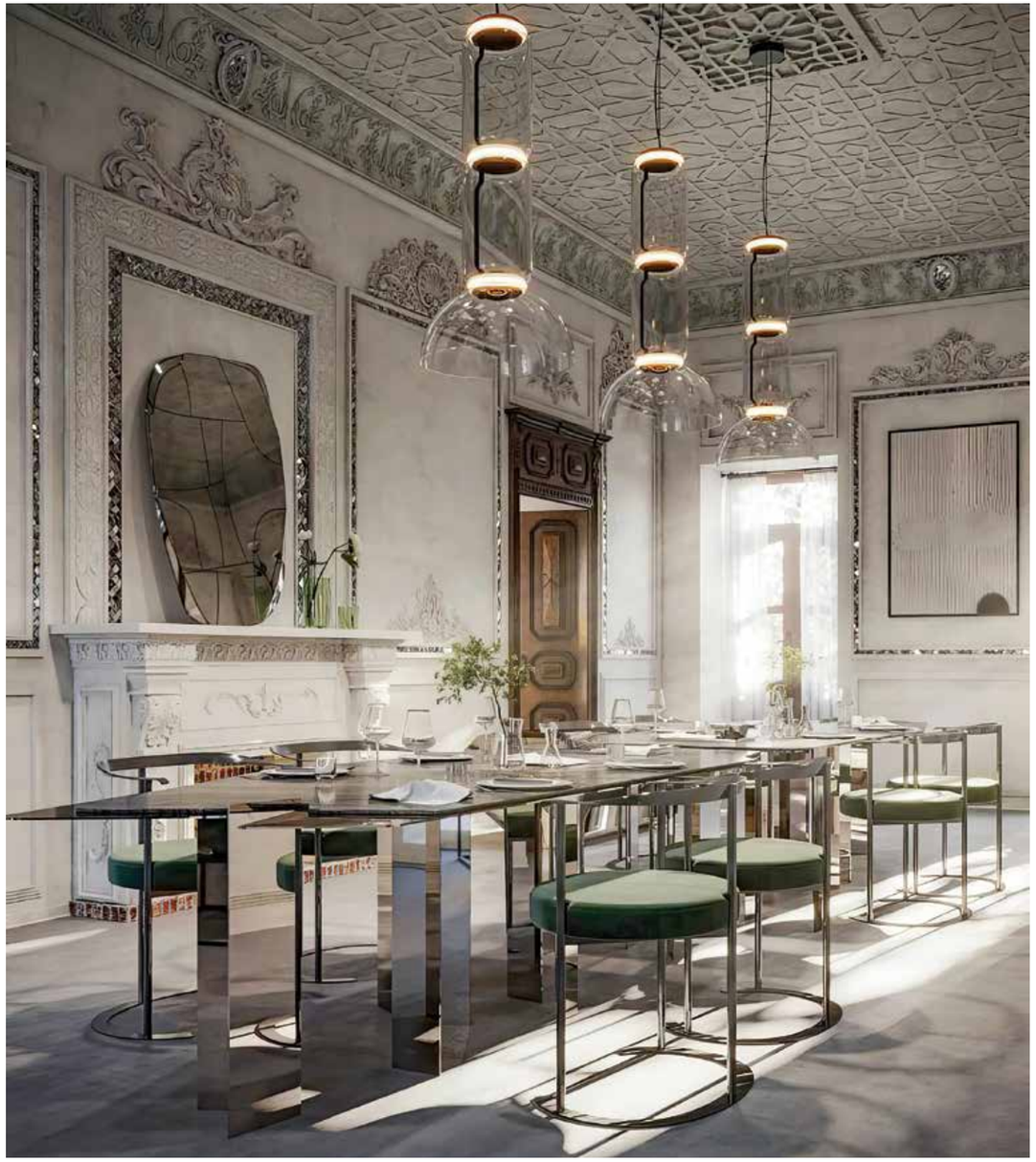
The building itself is tall, with a central dome ceiling, richly decorated around the wooden windows. Ample light pours into the rooms through these windows, which are designed to be spacious and airy.

Traditional decorations grace the walls, complemented by carefully selected furnishings that enhance the overall aesthetic. The atmosphere is open and inviting, with an emphasis on natural light and comfort.

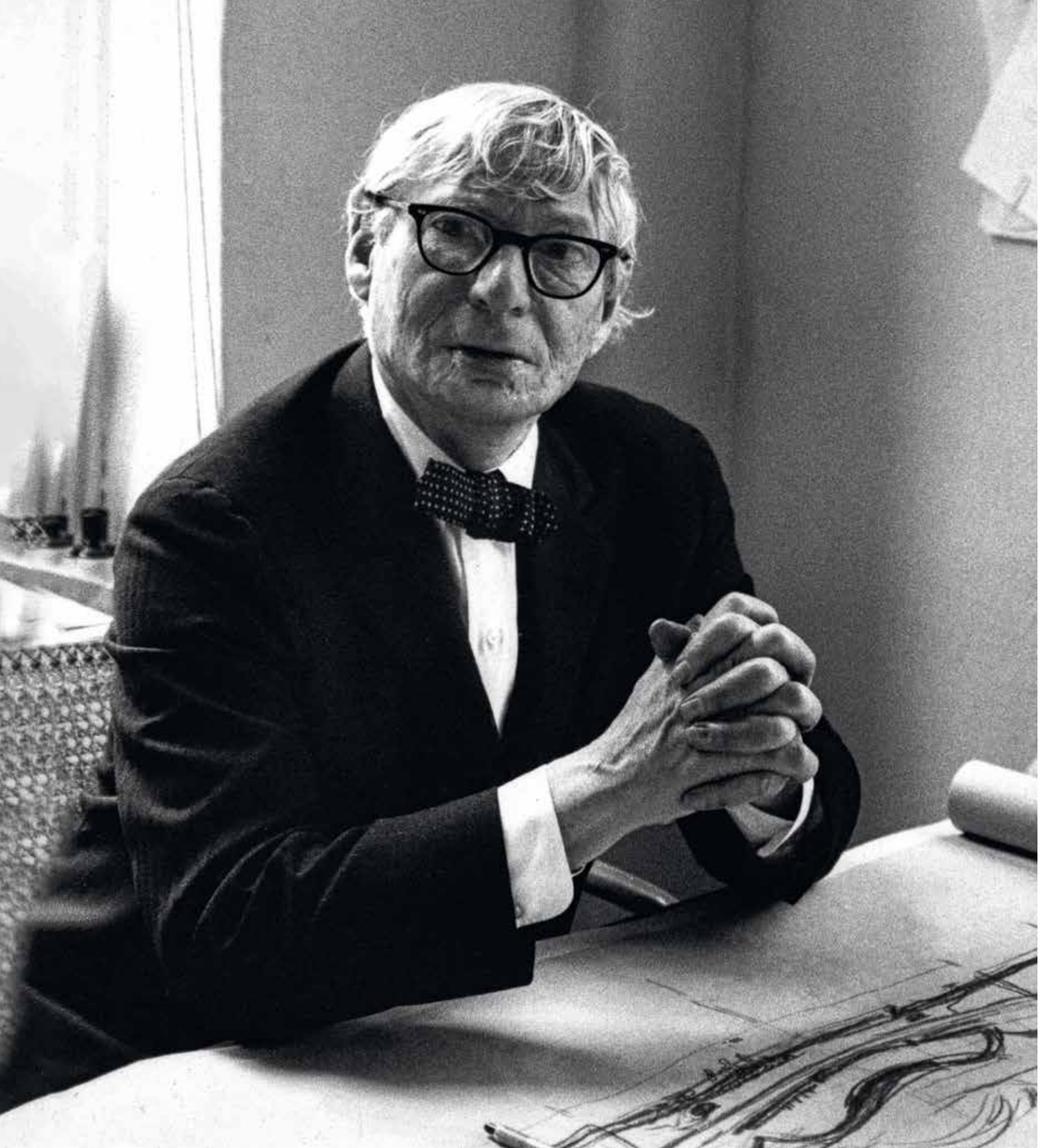
Each area is thoughtfully designed to serve its intended function, blending practicality with beauty. The result is an environment that radiates warmth and elegance, creating a welcoming space for all who enter.


The architecture highlights timeless beauty, with ornate details, abundant light, and harmonious design elements that make the space both functional and graceful.

This space combines traditional architecture with elegant design, centered around a grand dome and wooden windows that flood the rooms with natural light, creating a warm and inviting atmosphere.



Blending heritage and elegance, the rooms feature a domed ceiling, detailed wooden windows, and refined decor that together create a serene and luminous environment.



"EVEN A BRICK WANTS TO BE SOMETHING."

Louis Kahn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