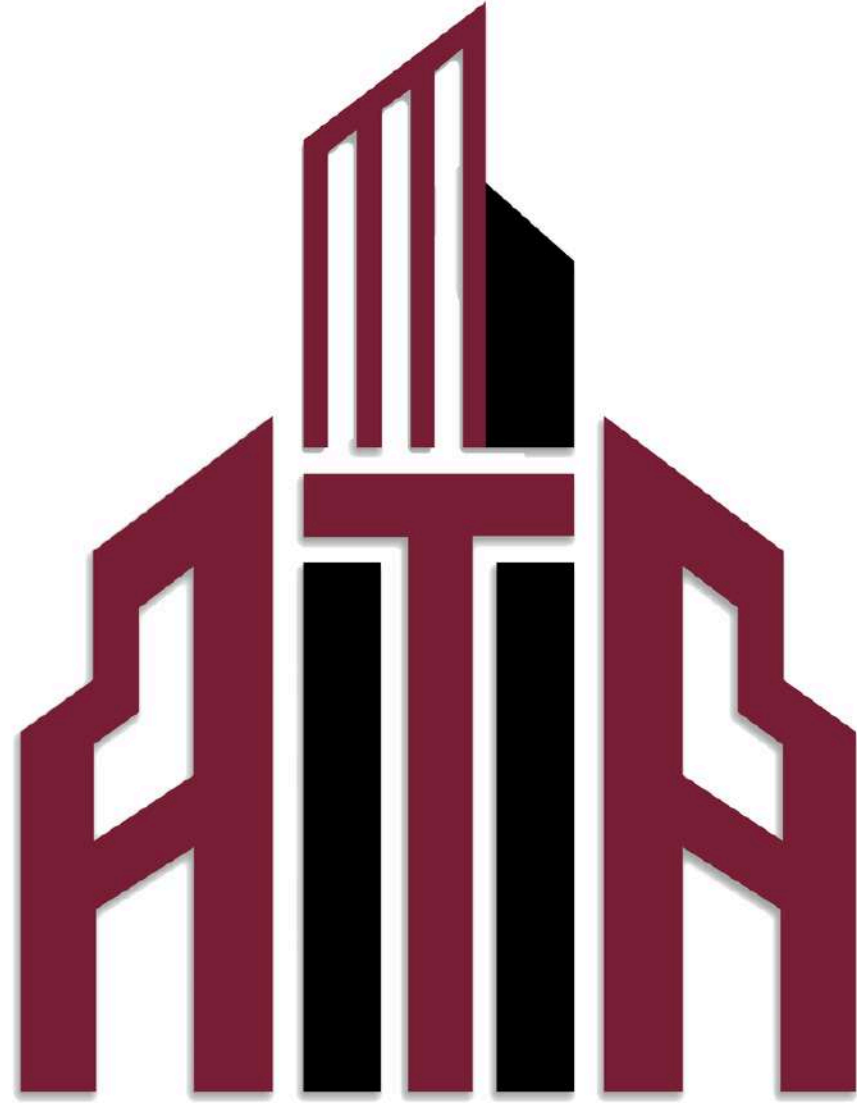


2026



ATAKENT PREFABRİK

E-CATALOG

ABOUT	03
PREFABRICATED STRUCTURES	05
STEEL STRUCTURES	21
TECHNICAL DETAILS	29

CONTENTS

WHO ARE WE?



ATAKENT PREFABRİK is a reliable, innovative, and solution-oriented construction company in the prefabricated and light steel structure sector. With its modern production approach and expert team, it offers turnkey solutions across a wide range of products, from prefabricated houses and construction site buildings to social facilities and light steel structures.

Prioritizing quality, durability, and customer satisfaction, our company meticulously manages all processes from design to installation. With projects completed throughout Türkiye and abroad, we continue to provide reliable construction solutions.

At ATAKENT PREFABRİK, we place quality, reliability, and customer satisfaction at the heart of every project. With modern production technologies, our experienced team, and high quality standards, we build long-lasting, durable, and aesthetically pleasing structures. With our commitment to timely delivery, cost-effective solutions, and after-sales support in every project, we provide reliable service to our clients and develop solutions tailored to their needs.

Why ATAKENT PREFABRICATED?

PREFABRICATED STRUCTURES

We offer practical solutions to the needs of modern life for speed, flexibility, and sustainability.



KARAHAN HOUSE

53,6 M²



NORTH-27

27,5 M²



NORTH-26

26,5 M²



**ALDEMİR 2-STORY
PREFABRICATED HOUSE**

70,5 M²



ERSOY VILLA

60,5 M²



STAR HOTEL

513,5 M²



**CESME HOLIDAY
VILLAGE**

13480,13 M²



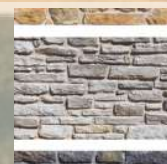
**FIRE STATION
BUILDING**

361 M²

Anthracite
colored
metal tile
cladding.



stone-patterned
exterior cladding



KARAHAN HOUSE

The aesthetics of modern architecture and the tranquility of natural textures come together.

This project combines a single-story prefabricated building concept with modern architectural elements and natural stone cladding to offer an aesthetic, peaceful, and comfortable living space; a spacious facade veranda integrates the structure with nature, while stone-textured surfaces, light-colored plaster, and a wide-eaved roof provide visual harmony, and the railing-enclosed veranda surrounding the building provides residents with a pleasant outdoor social area.

71 m² 2+1

prefabricated



-m2 (57.4 m2 + 13.6 m2 VERANDA) SINGLE 71
STORY PREFABRICATED HOUSE PLAN

Building Type	Prefabricated
Wall Type	Cement Board
Insulation	Stone wool with a density of 52 k
Exterior Wall(174mm)	8 mm Cement Board (Betopan) + stone
Interior Wall(126mm)	8 mm Cement Board
Wall Height	270 cm
Roof Type	Gable Roof, S220 GD+Z AZ galvanized st
Roof Covering	Membrane on 11 mm OSB board + anthr
Ceiling	Gypsum board
Windows	White PVC - Double Glazing
Doors	Interior doors 90/200 cm double-sided



Anthracite
colored metal
tile cladding.



wood cladding
exterior



NORTH-27

The aesthetics of modern architecture and the tranquility of natural textures come together.

Designed to meet the needs of modern life, this compact residence combines functionality, comfort, and a warm living atmosphere. The contrast between wood cladding and dark metal surfaces in the facade design gives the building a contemporary and distinctive look.

27,5 m² 1+1

prefabricated



27.5 m²
SINGLE-STORY PREFABRICATED HOUSE PLAN

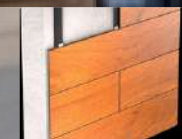
Building Type	Prefabricated
Wall Type	Cement Board
Insulation	Stone wool with a density of 52 k
Exterior Wall(174mm)	8 mm Cement Board (Betopan) + stone wool with a density of 52 kg/m²
Interior Wall(126mm)	8 mm Cement Board
Wall Height	270 cm
Roof Type	Gable Roof, S220 GD+Z AZ galvanized steel truss system
Roof Covering	Membrane on 11 mm OSB board + anthracite colored metal tile covering
Ceiling	Gypsum board
Windows	White PVC - Double Glazing
Doors	Interior doors 90/200 cm double-sided American panel door



Anthracite
colored metal
tile cladding.



wood cladding
exterior



NORTH-26
The clean lines of modern design meet the warmth
of natural textures.

26,5 m² 1+1

prefabricated

This compact prefabricated housing project is designed to offer maximum comfort and functionality in a minimum space. Its rational layout, living area integrated with the veranda, and wooden facade design that harmonizes with the natural environment provide an aesthetically pleasing and functional living experience, while combining modern prefabricated building concepts with practical solutions.



**26.5 m² SINGLE-STORY
PREFABRICATED HOUSE PLAN**



wood cladding
exterior



ALDEMİR 2-STORY PREFABRICATED HOUSE

A FUNCTIONAL DESIGN THAT ELEVATES
THE STANDARDS OF INDEPENDENT LIVING
WITH ITS MODERN AND WARM LINES.

This project offers a contemporary, warm, and functional architectural approach with its two-story residential typology. Designed for family life, the residence elevates modern detached living standards with its prominent features such as a separate kitchen layout, a spacious master bedroom, balcony access, and a sloping roof design.

64 m² DUBLEX

prefabricated



PLAN OF A 64m2 TWO-STORY PREFABRICATED HOUSE

Blending traditional residential comfort with modern design, the building offers a balanced spatial organization that meets the needs of large families and those who wish to live in harmony with nature. Light-colored plaster surfaces, vertical wood-textured cladding, stone detail corners, and an elegant glass-railed upper-floor balcony create a balanced composition. The vertical effect provided by the roof shape and large windows creates a modern, timeless, and warm atmosphere of a country/suburban villa.



ERSOY VILLA

WITH ITS MODERN ARCHITECTURE AND FUNCTIONAL LAYOUT, IT OFFERS COMFORTABLE DETACHED LIVING.

This two-story prefabricated villa project offers comfortable living with its spacious living areas and functional layout. The separate kitchen layout, airy rooms, balcony access, and modern facade design combine aesthetics and functionality with wooden details, large glass surfaces, and a sloping roof form.

60 m² DUBLEX

prefabricated



PLAN OF A 60.5m² TWO-STORY PREFABRICATED HOUSE

This two-story prefabricated villa combines modern architecture with warm and timeless details to offer comfortable living. Light-colored facades, wood-textured cladding, large glass surfaces, balcony details, and a sloping roof give the structure an aesthetic character, while the functional layout creates spacious and practical spaces suitable for the needs of family life.





wood cladding
exterior



stone-patterned
exterior cladding



STAR HOTEL

Fast Production, Modern Comfort

Designed with modern architecture and a functional layout, this two-story prefabricated hotel combines comfortable accommodation units with social areas, offering a lodging experience in harmony with nature.

STAR HOTEL (project area 513.5 m2)

1500

3148



1500

2648



The ground floor features a lobby, breakfast room, café, kitchen, and bar, supporting social life, while the standard rooms and suites on the upper floor offer guests superior comfort. The stone-clad central mass, wood facade details, and large glass surfaces create a balanced architectural composition, generating a modern, elegant atmosphere in harmony with the natural environment.

prefabricated



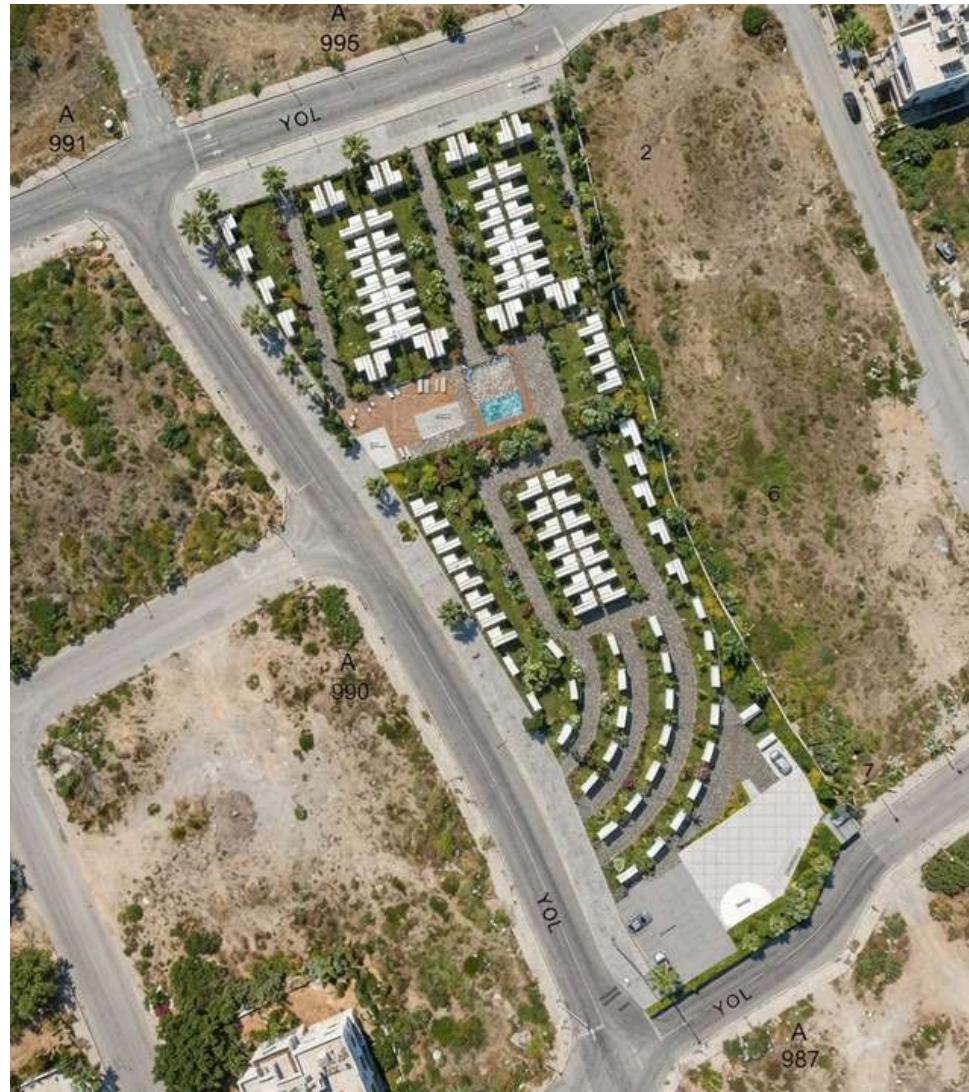
An aerial night view of the Çeşme Holiday Village, showing a cluster of modern, modular wooden houses with large glass windows and dark roofs. The houses are arranged in a grid-like pattern, with paved walkways and green spaces between them. People are seen walking on the paths, sitting on the decks, and playing in the grass. The scene is illuminated by warm interior lights and outdoor lighting, creating a cozy and inviting atmosphere. The background shows a vast, flat landscape under a twilight sky.

ÇEŞME HOLIDAY VILLAGE

A Privileged Life in the Heart of Nature

Çeşme Holiday Village offers a privileged holiday experience spread across a large area, blending modern comfort with sustainability principles amidst nature, and designed with a human-centered approach. The project redefines the concept of holidays and accommodation by bringing together modular accommodation units, social life and entertainment, water activities and pools, security and reception, and strategic planning elements.

TOTAL PROJECT AREA 13480.13 m2



Integrated with nature, these wood-clad homes with high glass facades and private verandas offer a spacious living environment by blurring the line between indoor and outdoor. Barbecue stations, swings, and seating areas along the central walking path create pleasant gathering spots, while cycling encourages a healthy lifestyle. The outdoor swimming pool with its natural stone-paved sunbathing terrace, sun loungers, and poolside bar, provides opportunities for cooling off and relaxing throughout the day. The design is harmonious, balancing privacy and shared spaces with the green areas.

prefabricated





FIRE STATION BUILDING

Safe and Functional Use

It offers a functional and organized layout that adapts to emergency response processes. With ample vehicle space and support units, it creates a safe working environment for fire services.

Project Location: Türkiye

Total Area: 361 m²

Purpose of Use: Fire Service
Building

Building Type: Prefabricated
Building Construction Time: 30
Days

TOTAL PROJECT AREA 361m²



Designed for the rapid and efficient use required by fire services, this structure functionally integrates vehicle garages, work areas, and support units. Wide vehicle entrances and open circulation areas facilitate quick access and response in emergencies, while the simple architectural design strongly reflects the building's intended purpose.

prefabricated



STEEL STRUCTURES

We are building the structures of the future with the strength of steel.



**LIVESTOCK
FARM FACILITY
802,032 M²**



**STEEL BARN
PROJECT
61,121 M²**



**CATTLE FEEDING
FACILITY
802,032 M²**

STEEL BARN PROJECT

Functional and Efficient Design

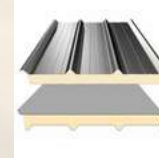
It is designed as a functional and efficient agricultural production facility that addresses the housing, feeding, care, and daily movement needs of animals within a holistic system. Spacious and permeable interior volumes, feeding areas, partitions, passageways, and exercise areas are directly interconnected.

Animal welfare is prioritized with roof openings that support natural lighting and ventilation.

Anthracite
colored metal
tile cladding.



sandwich panel
exterior
cladding

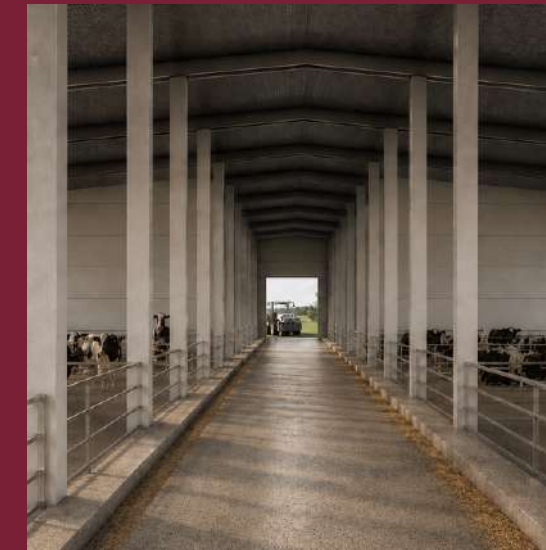


TOTAL PROJECT AREA 61.121 m²

steel



It is designed as a functional and efficient agricultural production facility that addresses the housing, feeding, care, and daily movement needs of animals within a holistic system. Spacious and permeable interior volumes, feeding areas, partitions, passageways, and exercise areas are directly interconnected. Animal welfare is prioritized with roof openings that support natural lighting and ventilation.



LIVESTOCK FARM FACILITY

A Productive Lifestyle

This cattle and feedlot project is designed as a functional agricultural production facility that prioritizes animal welfare and production efficiency. Animal shelters, feeding areas, open grazing areas, and service units are planned within a holistic layout, creating a modern, efficient, and sustainable farm structure with solutions that support natural lighting and ventilation.

TOTAL PROJECT AREA 6618m2

steel

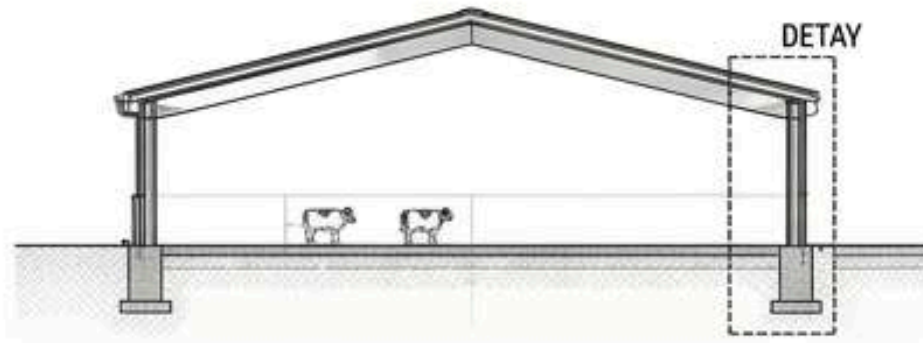


This cattle and feedlot project is designed as a functional agricultural production facility that prioritizes animal welfare and production efficiency. Animal shelters, feeding areas, open grazing areas, and service units are planned within a holistic layout, creating a modern, efficient, and sustainable farm structure with solutions that support natural lighting and ventilation.





CROSS SECTION DIAGRAM



MATERIAL LIST

- ① Sandwich Panel (Roof)
- ② Purlin (C Profile, Galvanized)
- ③ Steel Truss / Main Carrier
- ④ Sandwich Panel (Wall)
- ⑤ Painted Sheet Metal Cladding (Inner Corner Profile)
- ⑥ Z Profile (Wall Purlin)
- ⑦ Reinforced Concrete Base
- ⑧ Anchor Bolt
- ⑨ Reinforced Concrete Foundation
- ⑩ Lean Concrete
- ⑪ Compacted Soil

Sandwich Panel (Roof)
PUR / PIR Filled
(5-8-10 cm)

Purlin (C Profile, Galvanized)

Steel Truss / Main Carrier
(I or H Profile)

Sandwich Panel (Wall)
PUR / PIR Filled
(5-8-10 cm)

Painted Sheet Metal
Cladding
Inner Corner Profile

Z Profile (Wall Purlin)
(Galvanized)

Reinforced Concrete Base
(ht: 40-60 cm)

Reinforced Concrete Base
(ht: 40-60 cm)

Anchor Bolt
(M12-M16)

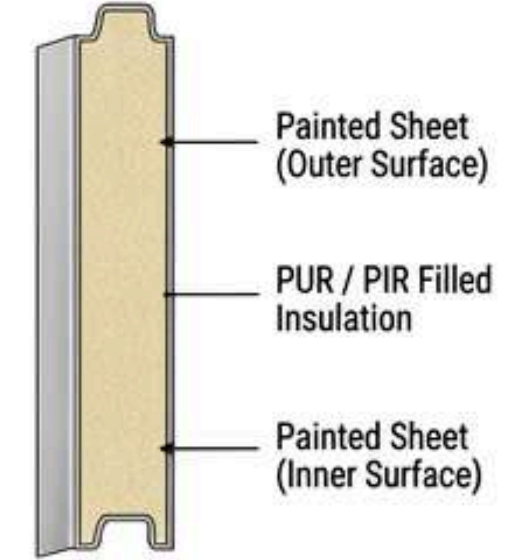
Reinforced Concrete Foundation
(60-80 cm)

Lean Concrete
(10 cm)

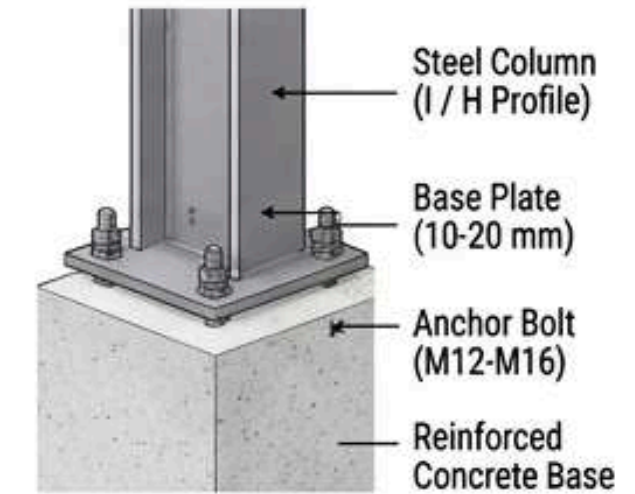
Compacted Soil

VERTICAL WALL SECTION | 1/10

SANDWICH PANEL DETAIL | 1/5



ANCHOR DETAIL | 1/5



PLANNING OF THE CATTLE ORGANIZED INDUSTRIAL ZONE

Rational and Functional Design

Our company's Livestock Farm Complex Project, designed for the Eskişehir Organized Industrial Zone, has successfully passed the necessary technical and administrative evaluations and been approved within the scope of relevant public institutions, the Provincial Directorate of Agriculture and Forestry, ministry units, and grant program processes. During this process, project development, official application, and institutional coordination were meticulously carried out; the feasibility of the investment was deemed appropriate by the relevant authorities. Currently, our company is designing modern livestock farm projects within the same complex, managing licensing and technical project processes; and, in coordination with expert consultants, provides professional support to investors in project development and implementation processes to ensure they can effectively benefit from grant support.

TOPLAM PROJE ALANI 802,032 m2

steel



Steel-framed livestock farms offer investors a reliable solution with their long-lasting and highly durable structures. Their ability to span wide openings creates column-free and efficient usable spaces, while their rapid production and assembly advantages significantly shorten project duration.



OUR INTERNATIONAL PROJECTS

In different geographies, with the same quality and commitment to reliability.



LIVA HOUSE

101,8 M²



OFFICE BUILDING

153 M²



**SUPPORT SCHOOL
BUILDING**

440 M²



VERA STEEL HOUSE

140 M²



OFFICE BUILDING

215 M²



OFFICE BUILDING

710 M²



**VETERINARY
BUILDING**

276 M²



SCHOOL BUILDING

676 M²



TERRA EV

67 M²



NORA HOUSE

84 M²



LIVA HOUSE

A modern living space that combines comfort with a single floor.

With its functional layout, spacious interiors, and simple facade design, this prefabricated house adapts to the needs of daily life, offering both aesthetics and functionality.

Project Location: Slovenia

Total Area: 101.8 m²

Intended Use: Residential

Building Type: Prefabricated
Building

Construction Time: 17 Days

TOTAL PROJECT AREA 101.8 m²

prefabricated



Designed with the needs of daily life in mind, this single-story prefabricated house offers a comfortable living space with its spacious interiors and functional layout.

The spacious living room and kitchen area create a harmonious living space, while the bedrooms and private areas are arranged to meet the diverse needs of the home. The simple and balanced facade design gives the building a modern and timeless look.



OFFICE BUILDING

A modern workspace that combines functionality and comfort.

With its balanced planning, spacious workspaces, and minimalist architectural approach, this office building adapts to diverse needs and offers a functional solution for professional working life.

Project Location: Romania

Total Area: 153 m²

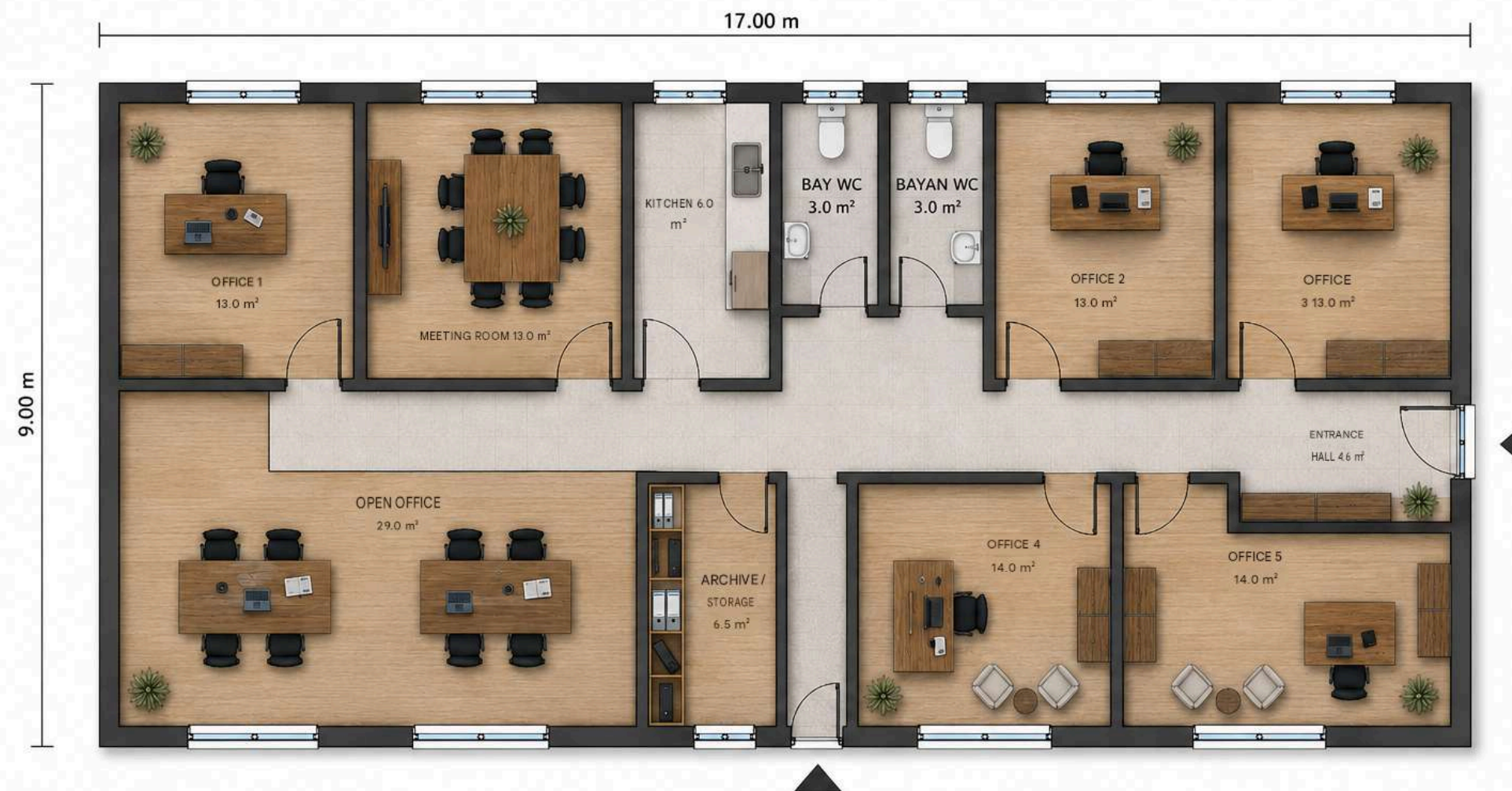
Intended Use: Office / Administrative Building

Building Type: Prefabricated Building

Construction Time: 25 Days

TOTAL PROJECT AREA 153m²

prefabricated



Designed to meet the needs of working life, this office building offers an efficient working environment with its functional layout and simple architecture.

The balanced distribution of meeting, work, and common areas creates an organized and comfortable office layout that caters to diverse work needs. The simple facade design and large window openings give the building a bright and airy working atmosphere.



SUPPORT SCHOOL BUILDING

A contemporary building designed for education, prioritizing functionality.

With its organized classroom layout, shared spaces, and modern architectural approach, this building meets the needs of students and educators, creating an efficient and comfortable learning environment.

Project Location: Kosovo

Total Area: 440 m²

Purpose: Educational Building

Building Type: Prefabricated
Building

Construction Time: 30 Days

TOTAL PROJECT AREA 440m²

prefabricated



Designed with the needs of educational environments in mind, this support school building offers a safe and efficient learning environment with its organized planning and functional spatial arrangement. The balanced organization of classrooms, common areas, and administrative units ensures easy access, orderly, and comfortable use for students and educators. The modern facade design and controlled use of natural light give the building a bright, contemporary, and inviting character.



VERA STEEL HOUSE

Modern design, robust steel structure, and comfortable living spaces all in one.

Designed to meet the needs of modern life, this two-story steel house combines a robust structural system with aesthetic architecture. Its two-story layout provides a comfortable living environment by equitably separating living and private spaces.

Project Location: Germany

Total Area: 140 m²

Purpose: Residential Building

Type: Steel Structure

Number of Floors: 2

Construction Time: 30 Days

TOTAL PROJECT AREA 140m²



Designed to meet the needs of modern life, this two-story steel house combines a robust structural system with aesthetic architecture. The two-story layout provides a comfortable living environment by equitably separating living and private spaces. Warm wood facade details and large window openings give the building a modern and inviting character.



steel



OFFICE BUILDING

An efficient office solution designed with functional workspaces and a minimalist architectural approach.

With its functional design and simple architecture, it offers an efficient working environment. Its spacious interiors and balanced layout ensure comfortable use.

Project Location: Iraq

Total Area: 215 m²

Purpose: Office / Administrative

Building Building Type: Prefabricated
Building

Construction Time: 25 Days

TOTAL PROJECT AREA 215m²

prefabricated



Designed to meet diverse work needs, this single-story office building offers an efficient work environment with its simple architecture and functional layout. Separate offices, meeting rooms, and common areas create an organized and comfortable work environment, while large window openings bring natural light into the interior spaces. The building's simple and balanced facade design creates a professional appearance that harmonizes with its surroundings.

OFFICE BUILDING

Modern and Efficient Workspaces

It features a design that prioritizes functionality for modern and professional work environments. With spacious offices and shared areas, it offers an efficient work experience.

Project Location: Iraq

Total Area: 710 m²

Intended Use: Office / Administrative Building

Building Type: Prefabricated Building

Number of Floors: 2 Floors

Construction Time: 35 Days

TOTAL PROJECT AREA 710m²



Designed to meet the needs of modern working life, this two-story office building offers a professional working environment with its organized layout and contemporary architecture. Different office units, meeting areas, and common spaces are integrated to create an efficient and comfortable work environment.



prefabricated





VETERINARY BUILDING

Comfortable and Functional Usage Areas

It is a functional structure that brings together different veterinary services under one roof. Thanks to its organized planning, it offers a comfortable environment for both work and service processes.

Project Location: Azerbaijan

Total Area: 276 m²

Purpose: Veterinary Service Building

Building Type: Prefabricated Building

Construction Time: 25 Days

TOTAL PROJECT AREA 276m²

prefabricated



Designed to meet the needs of veterinary services, this facility features a functional layout that combines examination rooms, a laboratory, offices, and support units. Thanks to its organized space and spacious areas, it creates a comfortable and efficient service environment for both staff and pet owners.



SCHOOL BUILDING

Educational and Functional Design

It offers a well-organized and functional space that meets educational needs. With its spacious classrooms and easily accessible layout, it creates a comfortable learning environment.

Project Location: Bulgaria

Total Area: 676 m²

Purpose: Educational Building

Building Type: Prefabricated
Building

Construction Time: 35 Days

TOTAL PROJECT AREA 676m²

prefabricated



Designed to meet educational needs, this school building brings together classrooms and common areas in an organized layout. Its single-story structure, easily accessible spaces, and spacious areas provide a comfortable, safe, and efficient learning environment for students and educators.



TERRA HOUSE

Comfortable and Functional Living
Spaces

With its functional planning, it offers a comfortable living space that meets the needs of daily life. Its spacious rooms and balanced layout create a practical and warm home experience.

Project Location: Slovenia

Total Area: 67 m²

Purpose: Residential

Building Type: Prefabricated
Building

Production Time: 15 Days

TOTAL PROJECT AREA 67m²

prefabricated



Designed with the needs of daily life in mind, this prefabricated house offers comfortable living with its practical layout and spacious living areas. The balanced arrangement of the living room, kitchen, and private areas creates a comfortable and organized feel within the home, while the simple architectural approach gives the structure a timeless look.



NORA EV

Compact and Efficient Living

Its compact design offers all the necessary living spaces in one place. With its spacious interiors and practical layout, it creates a comfortable living experience.

Project Location: Romania

Total Area: 84 m²

Intended Use: Residential

Building Type: Prefabricated

Building Construction Time:
15 Days

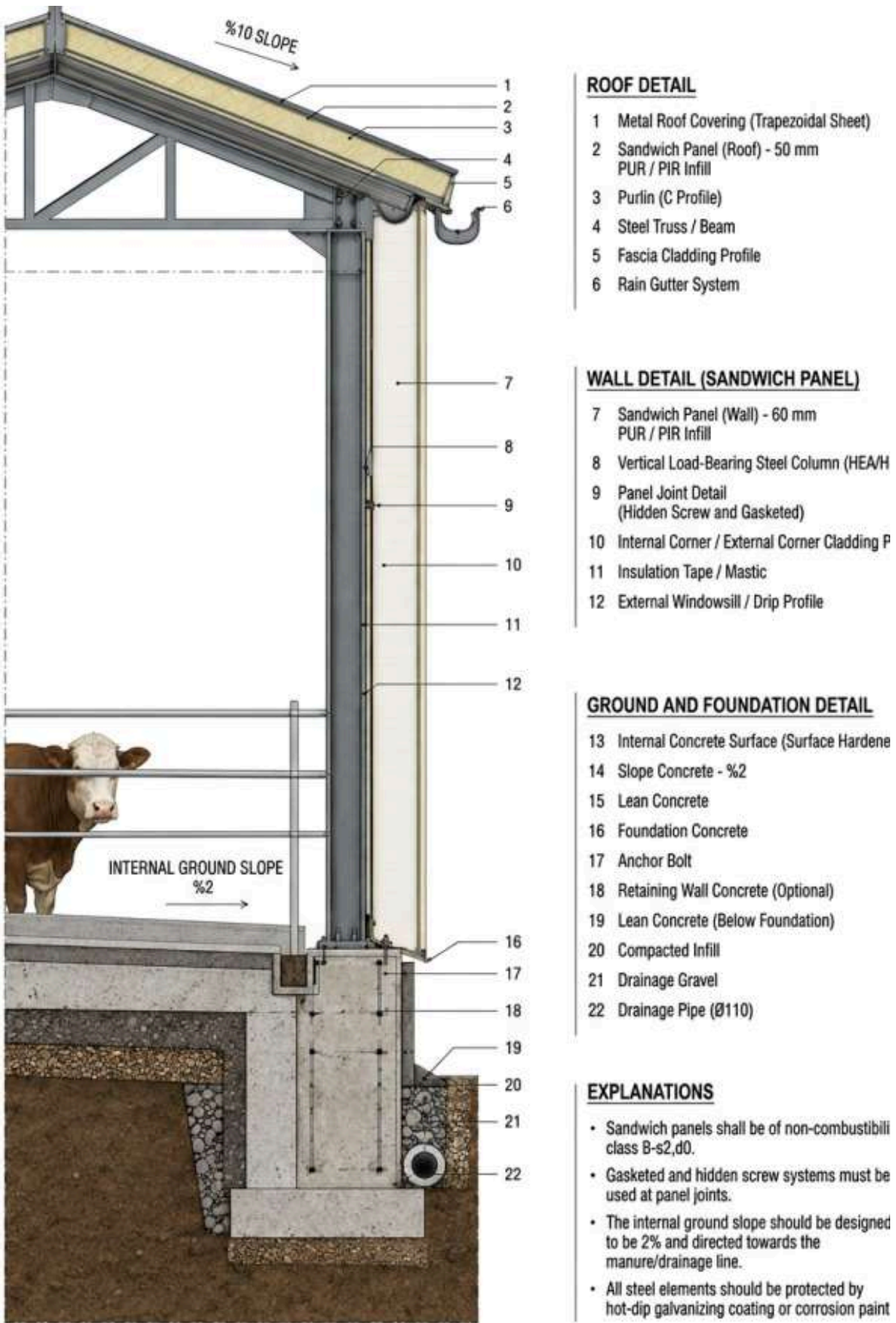
TOTAL PROJECT AREA 84m²

prefabricated



This 84 m² prefabricated house features a functional layout that makes the most efficient use of its limited space. The living room, kitchen, bedrooms, and veranda are arranged in a balanced way to create a comfortable and functional living space that meets the needs of daily life.

TECHNICAL DETAILS



This structural system, where the roof, walls, and foundation details are designed as a whole, meets the needs of modern livestock facilities with its high insulation performance, robust steel support system, and long-lasting materials. Thanks to sandwich panel facade and roof systems, galvanized steel construction, effective drainage solutions, and hygiene-focused floor details, the structure offers energy efficiency, low maintenance costs, and quick assembly advantages all in one. This system provides reliable performance even in challenging climatic conditions, making it an ideal solution for sustainable and efficient agricultural production facilities.

TECHNICAL DETAILS

- The 100 mm rock wool filled sandwich panel system combines high thermal and acoustic insulation, fire resistance, and long service life. Galvanized painted steel surfaces, EPDM gasketed joints, and integrated connections to the steel support system ensure maximum watertightness and structural safety. Offering quick assembly, the system is preferred as a high-performance facade solution for livestock facilities, industrial buildings, and prefabricated projects.

SANDWICH PANEL EXTERIOR WALL SECTION

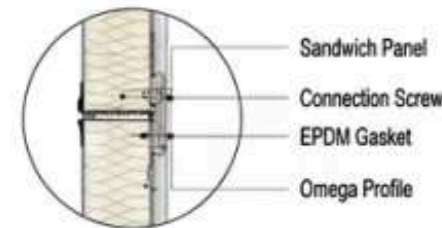
SCALE: 1/10

SANDWICH PANEL (100 mm)

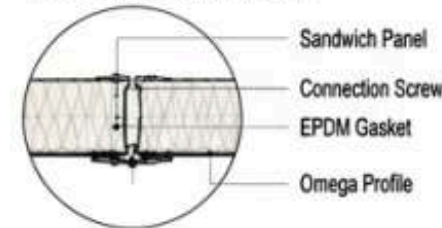
- ① 0.50 mm Painted Galvanized Sheet (Outer Surface)
- ② 100 mm Stone Wool Infill
- ③ 0.50 mm Painted Galvanized Sheet (Inner Surface)



VERTICAL JOINT DETAIL

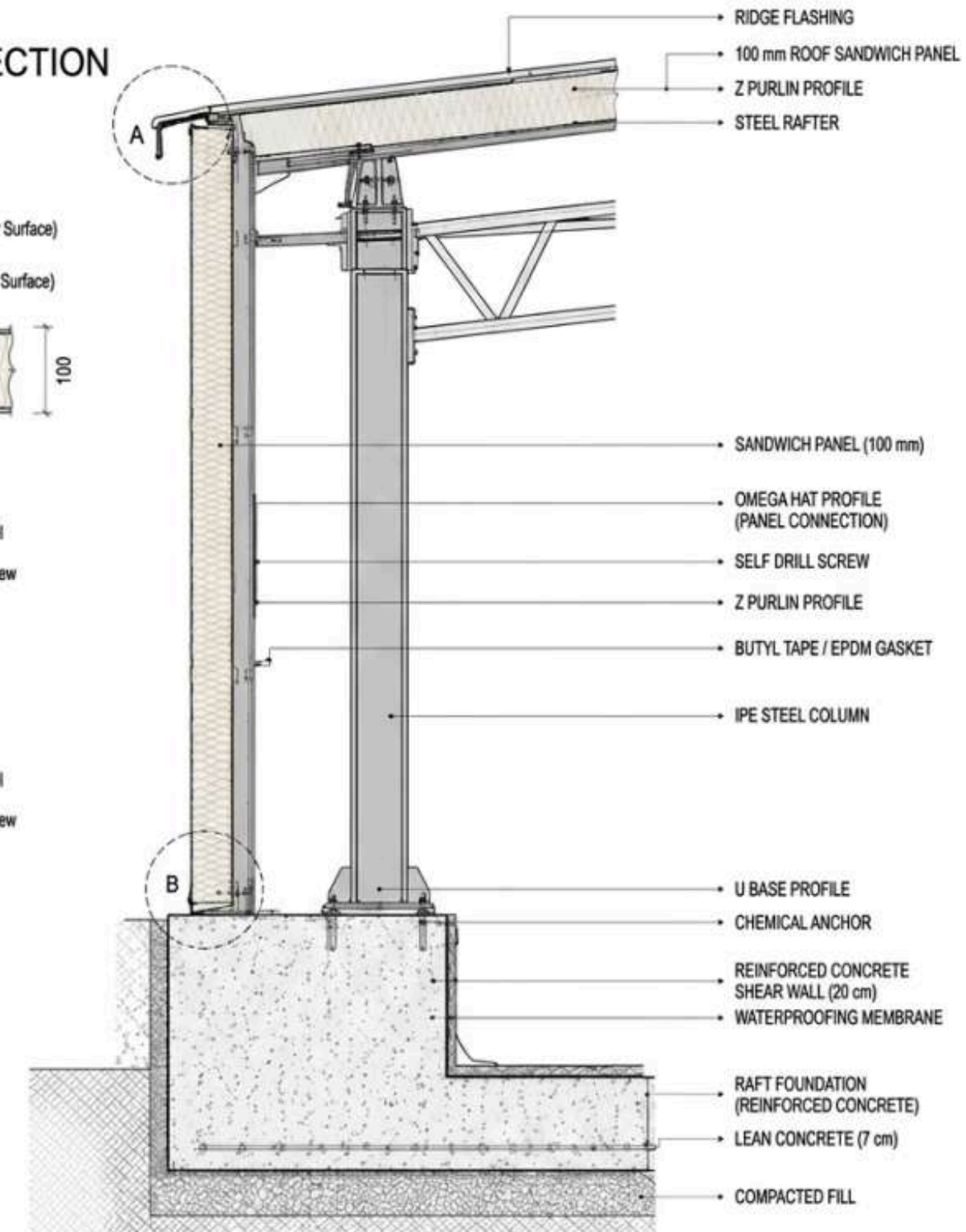


HORIZONTAL JOINT DETAIL

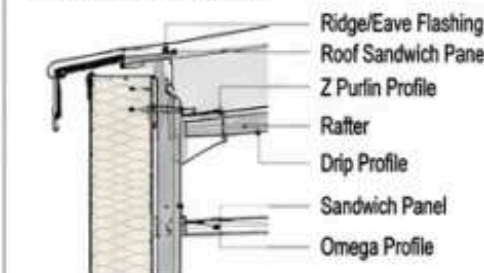


MATERIAL PROPERTIES

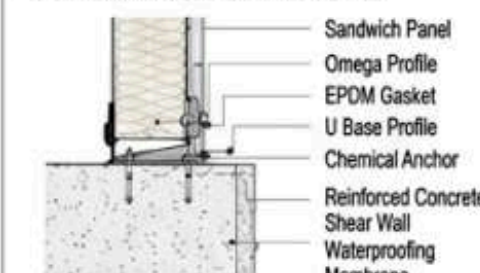
- Sandwich Panel Thickness: 100 mm
- Infill Material: Stone Wool
- Thermal Conductivity Coefficient: $\lambda = 0.040 \text{ W/mK}$
- Fire Resistance: EI60
- Sheet Thickness: 0.50 mm
- Panel Width (Net): 1000 mm
- Panel Connection: Hidden Screw
- All steel elements are Hot-Dip Galvanized.
- EPDM Gaskets ensure Water Tightness.



A - ROOF EAVE DETAIL



B - GROUND CONNECTION DETAIL

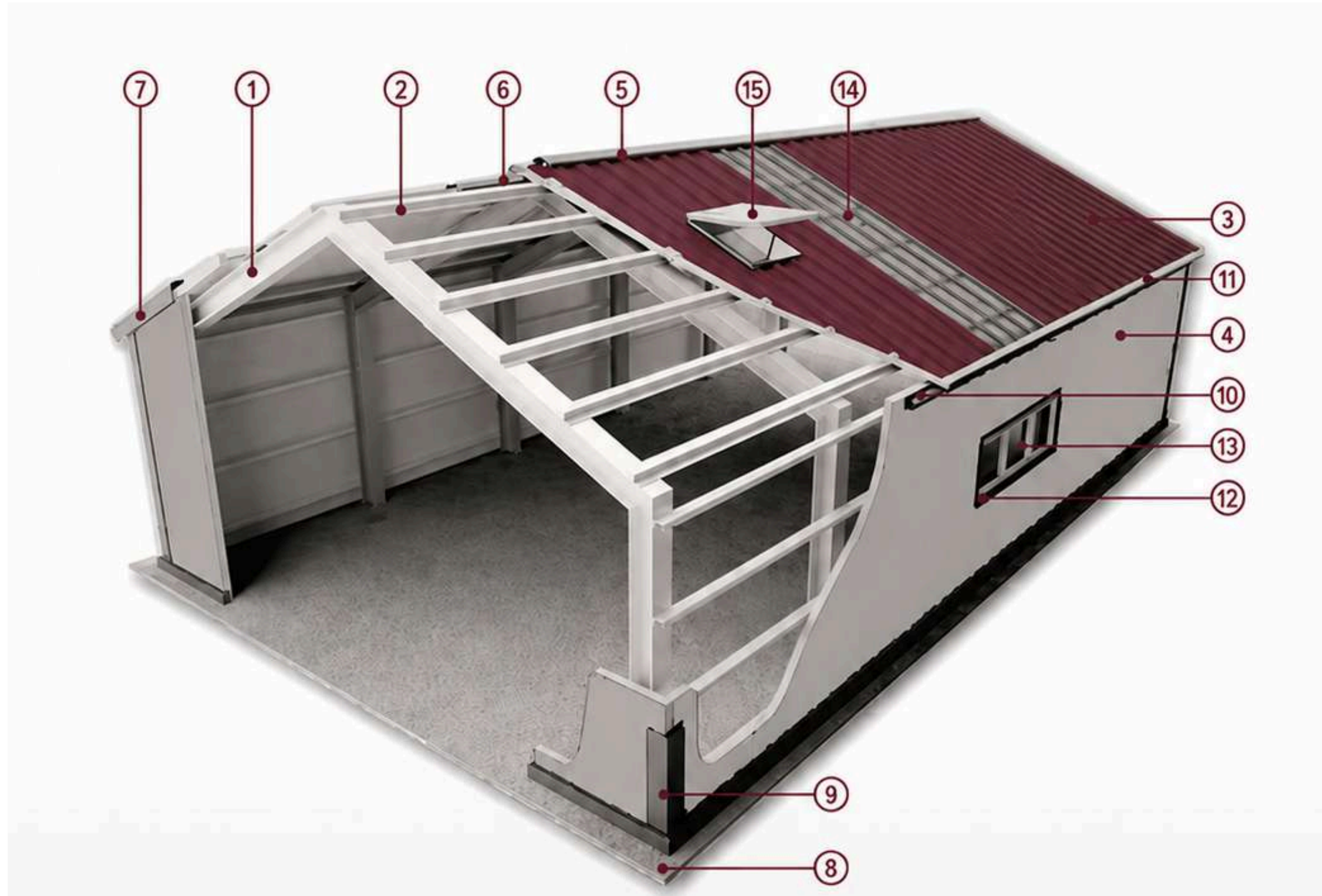


NOTE:

All steel elements have Hot-Dip Galvanized coating in accordance with TS EN ISO 1461 standard.

All dimensions may show variations depending on the project.

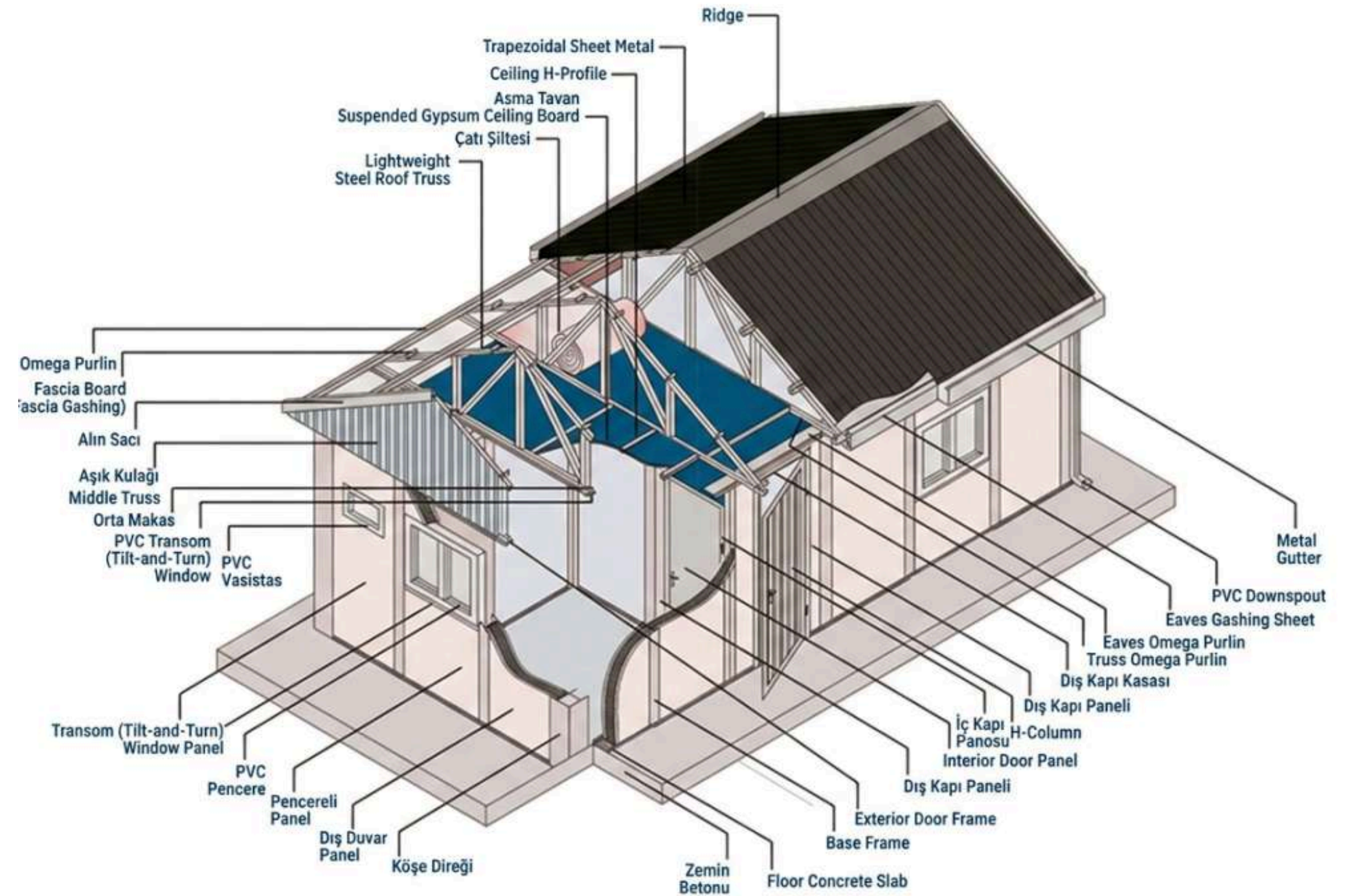
TECHNICAL DETAILS



- 1-) Steel support system
- 2-) Wall panels and claddings
- 3-) Roof panel
- 4-) Wall panel
- 5-) External rain gutter
- 6-) Internal rain gutter
- 7-) Edge finishing profile
- 8-) Bottom waterproofing system
- 9-) Outer corner protector
- 10-) Eaves covering
- 11-) Water drainage system
- 12-) Interior and exterior corner cladding elements
- 13-) PVC window and finishing profiles
- 14-) Ventilation back cover element
- 15-) Roof skylight

TECHNICAL DETAILS

- Roofing and Covering Systems
- Trapezoidal Sheet Metal and Ridge Tiles, Lightweight Steel Trusses (Head/Middle), Omega Profiles and Purlins, Roof Insulation, Suspended Ceiling Gypsum Board, Gutter and Eaves Systems
- Exterior and Interior Wall Systems
- Exterior Wall Panels, Interior Wall Panels, Load-Bearing Elements (H-Column / Corner Post), Fascia Plate and Details
- Joinery, Doors and Entrance Elements
- PVC Windows and Interior Doors
- Ground and Foundation Details
- Foundation Concrete and Subframe



TECHNICAL DETAILS

Prefabricated Light Steel Structures General Layer Design



ROOF COVERING

Standard Package:
Galvanized Oven-Painted Sheet



ROOF TRUSS

Galvanized Rollform U Profiles



ROOF INSULATION

Standard Package: Glass Wool



CEILING COVERING

Standard Package: Gypsum Board



WALL PANELS / PVC DOORS

PVC Windows / Electrical / Plumbing
Sandwich Panel Walls / PVC Doors

- Floor Covering
- Floor Insulation
- Floor Concrete
- Waste Water Plumbing
- Clean Water Plumbing
- Excavation Works

[These works belong to the customer]



STANDARD PACKAGE



This visual is based on a **STANDARD PACKAGE** prefabricated structure with a completed roof.



Prefabricated buildings are shipped as disassembled packages. The buyer assembles the containers on site.



In prefabricated construction, the foundation concrete prepared by the customer is installed on the base.



Assembly services outside the country are carried out under the supervision of our company and assembly support is provided.

TECHNICAL DETAILS

Optional: For Exterior Surface

1

UNCOATED STANDARD PACKAGE



Paint
Coating

External walls of prefab buildings do not include any extra cladding as standard. Exterior paint is applied directly to the sandwich panels. Sandwich panels: cement bonded particleboard.



PHASE 1
Initial Assembly Phase of Prefab House Walls



FINAL APPEARANCE AFTER PAINT APPLICATION ONLY
Standard Bare Paint Coated Prefab House

2

OPTIONAL WOOD PATTERN CLADDING



Boya
Coating

Adds the warm appearance of wood to façades. Produced by applying high bonding strength and durable wood pattern cladding on cement bonded particleboard. Resistant to environmental conditions and impacts, low maintenance.



PHASE 2 WOOD PATTERN CLADDING + PAINT



FINAL APPEARANCE WOOD PATTERN CLADDING + PAINT
Wood Pattern Clad Prefab House

3

OPTIONAL STONE PATTERN CLADDING



Boya
Pattern
Coating

Provides an aesthetic look with natural stone texture. Produced by applying high durability cement-based cladding, it has a long lifespan due to its excellent adhesion. Creates a natural stone effect on the façade and is resistant to fading and wearing over time.



PHASE 2 STONE PATTERN CLADDING + PAINT



FINAL APPEARANCE STONE PATTERN CLADDING + PAINT
Stone Pattern Clad Prefab House

OR

OR



DURABLE & LONG-LASTING
Exterior cladding panels are durable against impacts, weather conditions and UV rays.



EASY ASSEMBLY
Panels are mounted quickly and practically with screws.



PAINTABLE SURFACE
All cladding options have a paintable surface.



AESTHETIC APPEARANCE
Aesthetic and modern façades are created with wood and stone patterned claddings.

TECHNICAL DETAILS

SYSTEM

General System Design

EAVE BENDING
Special Bending

EXTERIOR WALL
Sandwich Panel

WALL CONNECTION ELEMENT
H / T / L Types

PURLIN
Galvanized C Profile

ROOF INSULATION
Standard Package: Glass Wool

ROOF TRUSS SYSTEM
Galvanized Rollforming U Profiles

ROOF CLADDING
Standard Package: Galvanized
Oven Painted Sheet

CEILING CLADDING
Standard Package: White
Gypsum Board

EAVE GUTTER

INTERIOR WALL
Sandwich Panel

DELIVERY WORKS

- Floor Covering
- Floor Insulation
- Floor Concrete
- Clean Water Plumbing
- Waste Water Plumbing
- Emergency Exit



GENERAL

This visual shows the basic components and connected systems of the building. The system provides a durable and economical construction advantage with high-standard galvanized steel load-bearing frame and panel technology.

Steel profiles, columns, trusses, purlins and connection elements are Roll Form products (produced from standard galvanized coils (ST-32, DX-51D) using cold forming method).

Black sheet, DKP sheet and welding are not used in standard products; corrosion is not preferred for this reason.

Prefabricated project, facade and floor plans are designed according to customer requirements. Standard floor live load is 125 cm of snow depth, i.e. floor live load of 90 kg/m²; accumulation area, direction, strength and stiffness values vary according to the section system.



TECHNICAL

For standard package prefabricated structures, depending on the installation area, snow load is assumed as 80 kg/m² (highly variable) and wind speed 90 km/s. Earthquake coefficient is taken as 1st degree earthquake zone. $A_s < 0.40$ and $\beta > 3$ (may vary according to the climate zone). Frame load-bearing capacity is possible up to 320 tons in prefabricated structures.

Exterior Wall Thermal Conductivity (100 mm EPS panel)	K: 0,45
Interior Wall Thermal Conductivity (60 mm EPS panel)	K: 0,45
Roof Thermal Insulation Conductivity (80 mm Glass Wool)	K: 0,39

Note: Values may vary depending on the material to be used and climate conditions.

TECHNICAL DETAILS

General Design and Roofing Materials

ROOF CLADDING

1 STANDARD PACKAGE

0.45 mm oven-dyed galvanized trapezoidal sheet. RAL 9002



2 OPTIONAL SANDWICH PANEL

3-layer sandwich panel: 0.35 mm painted metal sheet + PUR insulation + polyethylene film. Different color options available.

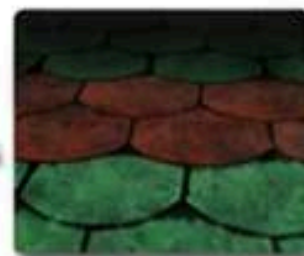


OPTIONAL COATINGS

METAL TILE



Shingle



Polyurethane Panel



Ideal for very hot/cold regions.

CEILING (INTERIOR SURFACE)

- 3- Insulation: 80 mm, density 14 kg/m³
- 4- Ceiling Cladding: White gypsum board
- 5- Ceiling Gaps: Formed with Omega galvanized sheet profiles.
- 6- PVC Coating: Supported with PVC H-profile connection elements.



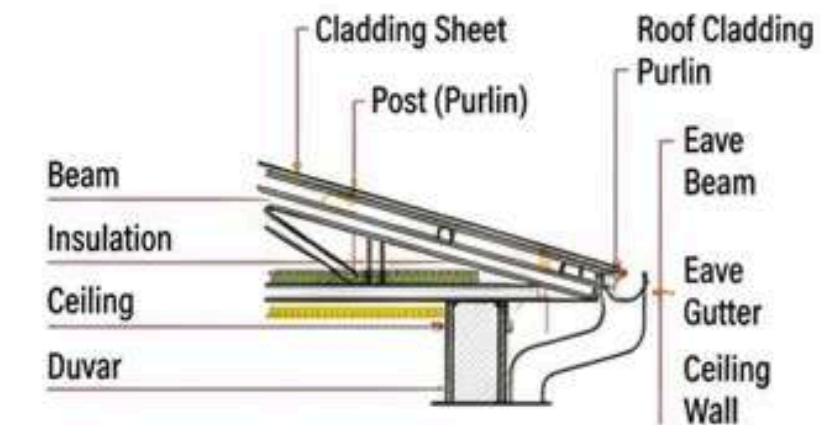
PURLINS (PURLINS)

0.8 - 2 mm sheet thickness, omega cross-section galvanized purlins are used. They are made of galvanized roll sheets produced to high standards.



EAVES

The roof perimeter is cladded with special bent galvanized sheet profiles, 15-20 cm wide. 150 mm square rain downspouts are used.



STEEL TRUSS SYSTEM

0.8 - 2 mm sheet thickness, C and U cross-section galvanized steel trusses are used. Trusses are made of galvanized roll sheets produced to high standards and placed at 125 cm intervals at connection points.



DURABLE & SAFE
High quality galvanized steel and certified materials.



FAST & EASY INSTALLATION
Lightweight components and rapid installation with modular system.



ENERGY EFFICIENCY
Excellent thermal performance with optional insulation.

Scope Summary

Standard Package



This table presents a summary of the prefabricated building within the **STANDARD PACKAGE** scope. The table has been prepared to clearly define the responsibilities of the buyer and seller.



The buyer's responsibilities cover on-site works after the building is manufactured and packaged at the factory. These works are applied in every project worldwide.



SELLER'S RESPONSIBILITIES

The following manufacturing and materials are the seller's responsibility according to the contract and technical specifications.

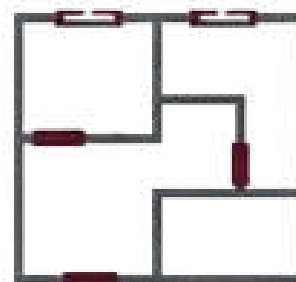
- 1 Interior and exterior walls, galvanized wall elements and connection elements
- 2 Galvanized roof truss system
- 3 Roof cladding, roof insulation, ceiling cladding
- 4 Interior and exterior doors and windows, double glazing
- 5 Electrical installation (wiring, panels, fixtures)
- 6 Plumbing materials, sanitary fixtures and faucets
- 7 Interior and exterior paint materials
- 8 Packaging and loading (vehicle/container)



OPTIONAL (EXTRA)

These features are optional and subject to additional charges if requested.

- A Optional wall features
- B Optional exterior cladding system
- C Optional interior wall cladding materials
- D Optional roof cladding materials
- E Optional doors and windows
- F Assembly support services



You can contact us for your other requests.



DURABLE & SECURE

High-quality galvanized steel and certified materials are used.



QUICK & EASY ASSEMBLY

Fast setup is possible thanks to lightweight components and a modular system.



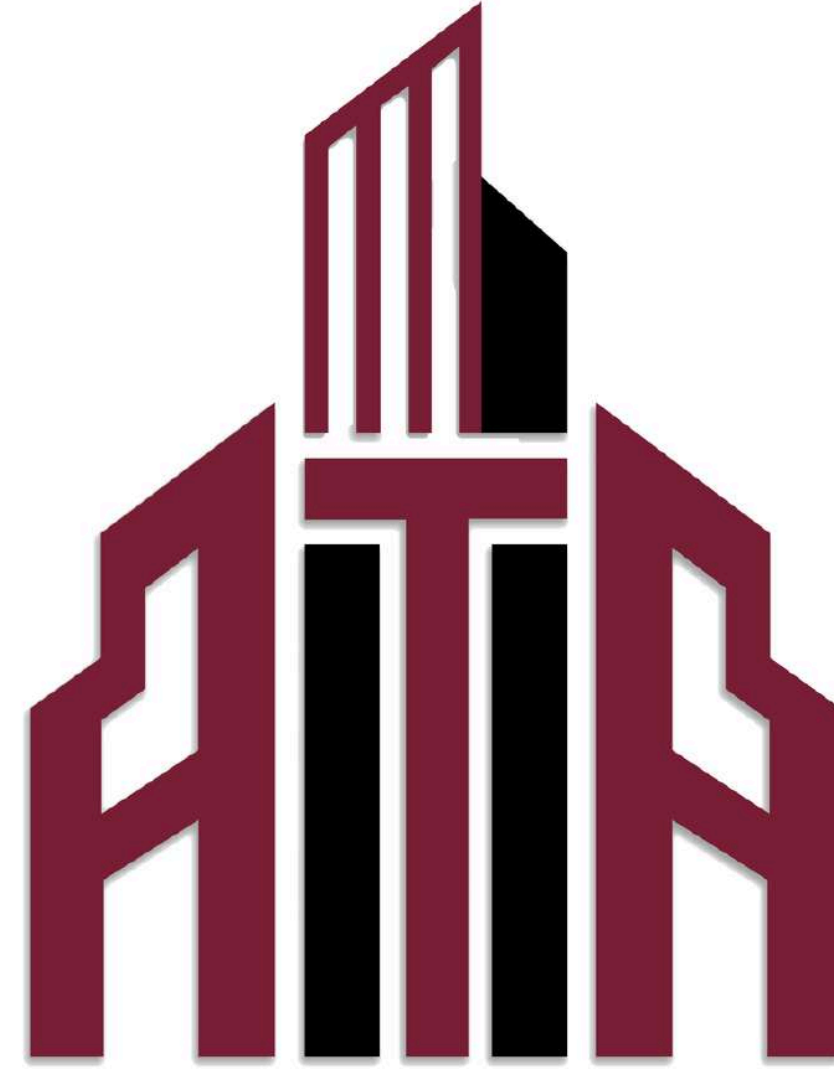
ENERGY EFFICIENT

It provides high-level thermal performance with optional insulation and wall materials.



INTERNATIONAL STANDARDS

All materials are produced in compliance with global standards.



ATAKENT PREFABRİK



TELEFON

+90 542 830 43 26



WHATSAPP

+90 542 830 43 26



E-POSTA

info@atakentprefabrik.com



MERKEZ ADRES

Istiklal Neighborhood Iki Eylul Street No:50/9-301 Floor:3
Zeyrekler Business Center ODUNPAZARI/ESKISEHIR



FABRİKA

Orhanli Neighborhood Barbaros Street No:3
D:1 Tuzla/Istanbul