

House in Minohshinmachi

-The Nature Gradation-

Minoh-city, Osaka, Japan

2020.04.



North side appearance. The north side of the site faces the management road of the Satoyama Farm, which was set up as a buffer zone in the sediment disaster warning area. The site is about 1m down from the control road, and the eaves that have been raised deep without a boundary fence ensure privacy from the control



From the living/dining, look at the north side management road. Two pillars extending to the center gently divide the space. From the roof of FRP corrugated sheet and the transparent ceiling made of hollow polycarbonate, the blue sky and green trees penetrate.



South side appearance. The green of Mt. Aogai spreads in the background of the building. The setting sun illuminates the interior with a slight red glow along with the sky, and the view of the mountain is transparent through the window.

Live on the edge of the city

A house for a young couple, located in the northernmost new town of Minoh City, Osaka Prefecture. Even though the area around the planned site is blessed with a natural environment, there were many houses that were unchanged from the center of the city. The client's couple sought a simple home where they could feel the rich natural environment in their daily lives in such a land. It faces the road on the south side of the site, residential land on the east and west sides, and the management road of the Satoyama Farm, which was established as a buffer zone for the sediment disaster warning zone on the north side. The green of Mt. Aogai, the northernmost point of Minoh, spreads out in the back. In such an

environment, the boundary between the building and nature was obscured, and the aim was to create a quiet home that responds to the surrounding natural environment. The building was a one-story building with a loose gabled roof whose volume was reduced so that it could be gently continuous with the surrounding landscape. Since the construction budget was extremely limited, the structural form was the conventional wooden construction method, all columns were 105 mm square, and all of them could be constructed with ordinary metal. in the longitudinal direction, and a single inside and outside climbing beam and Highly earthquake-resistant performance is ensured by using a simple left-right symmetrical frame structure with

columns arranged at intervals of 1 pitch rafters with narrowed tips are used to reduce the construction period. We are trying to shorten it. Paired openings, light roofs and deep eaves expand the interior space, large toplights allow trees and the blue sky to penetrate, and nested rooms create an intermediate area that makes the interior and exterior of the building more vague. There is. The two pillars that were installed in the center of the large space as a building member with a small cross section gave the space a calming effect like a standing tree in the forest. I think that it was not a method of cutting out nature as a landscape in a closed space, but rather a quiet residence as if there were daily life in the natural environment.



Around the planned site Scale 1:6,000



An outside curtain of ginseng that adjusts the sunshine and line of sight.



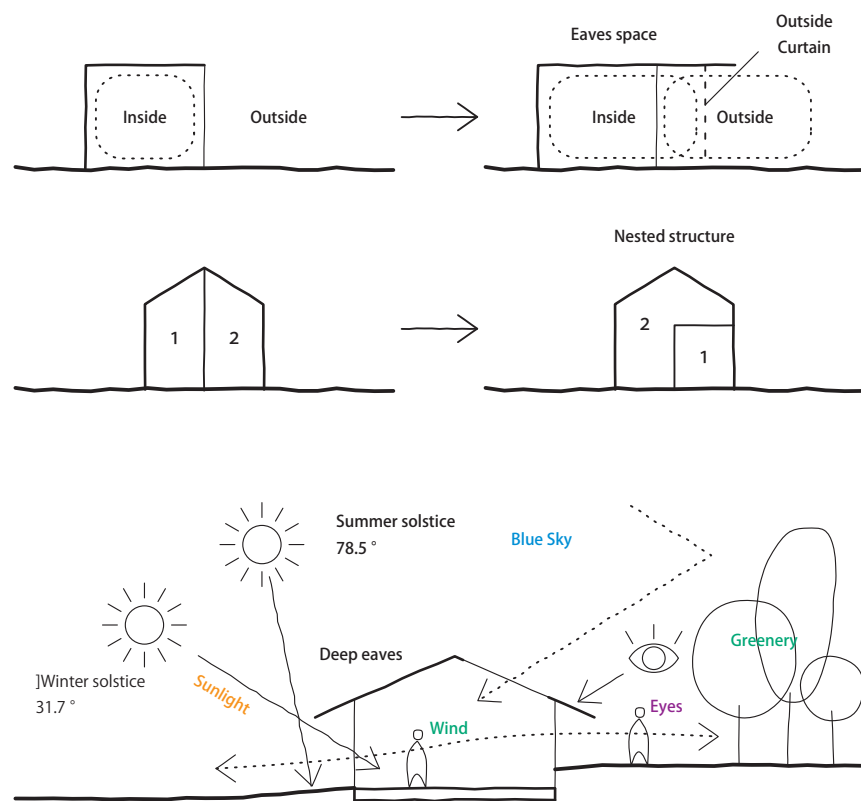
Hollow polycarbonate ceiling and continuous windows.



Living/dining kitchen. The space is 3.8m high and the space is gently divided by the two pillars and the wall. By using softwood plywood for ceilings, eaves, and fittings, and limiting the types of materials, we are trying to cope with



View dining from the bedroom. You can see the green scenery of the mountains on the north side from the window that runs from the dining room.



Diagram

[Transparent skin]

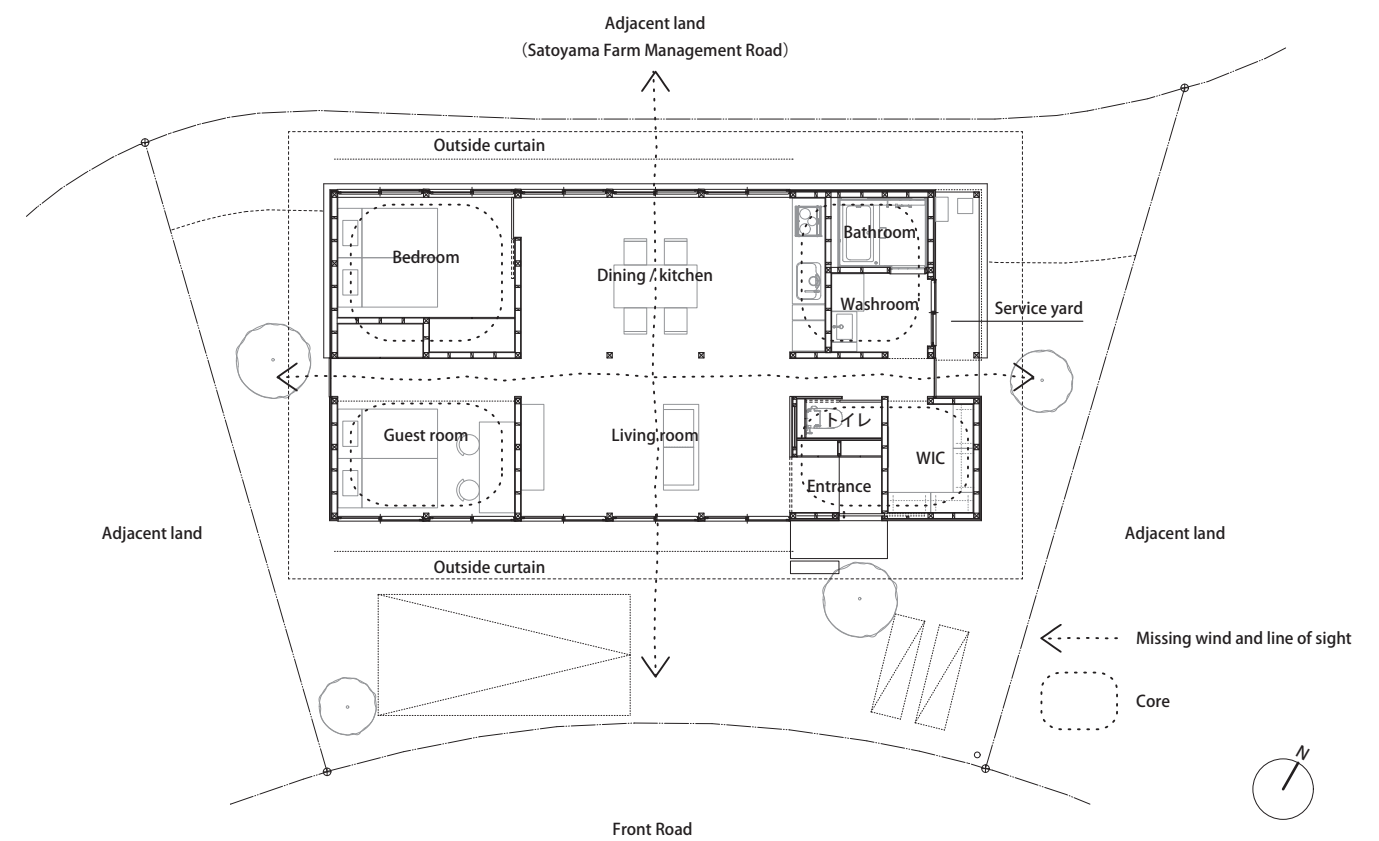
The deep eaves and outside curtains expand the inside and allow the outside to enter. Blurring the boundaries in an ambiguous space, it connects gently to the surrounding environment like a gradation.

[Intermediate area connecting inside and outside]

Nesting creates another area outside the room. A plan with a core and a void will be created to create an external area inside the building, making the boundary more vague.

[The appearance of the boundary between the city and nature]

A large roof that blocks the sunlight in the summer and takes in the sunlight in the winter, and a blind in a deep eave that uses the height difference. The appearance in the edge environment of a city like a part of nature that does not cut out nature as a landscape.



Site Plan-First Floor Plan Scale 1:150



Looking out from the guest room. In addition to taking in natural light, you can see the trees overgrown in the surrounding area fluttering in the wind from the upper part of



View loft from guest room. A conventional construction method using general metal fittings is used, and a bearing wall is installed in the center of the span to achieve a well-balanced arrangement. By using a cross, the line of sight is not obstructed and the space is a unified space.



Pre-cut product inspection. A climbing rafter that is made of solid wood and cut inside and outside.



Climbing with a precut tip.



Wooden frame construction method.



Living-dining. The blue sky penetrates from the top light, and the green of the mountain can be seen from the front opening.



Inside view of the living/dining/kitchen in the evening.



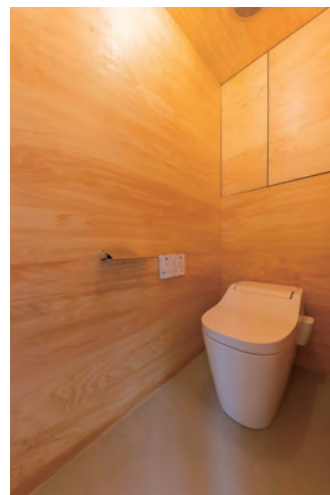
Inside view of living/dining during the day.



Inside view of the guest room.



Entrance and storage.



Toilet finished with softwood plywood.



Washroom entrance and service yard.



A northwestern sunset view with a light roof.



House in Minohshinmachi

Designer / Award / Published / Work data

□Designer

Yasuyuki Kitamura (北村 泰之)



1989 Born in Kyoto, Japan /
2012 BFA in Architecture -
Osaka University of Arts / 2021
M.E. in Architecture - Kyoto
Institute of Technology /
2012- Interior design office /
2016- ARCHIVI ARCHITECTS &
ASSOCIATES / 2019 -
YASUYUKI KITAMURA
Establishment

□Award

K - DESIGN AWARD 2020 / KOREA “GRAND PRIZE”
GOOD DESIGN AWARD 2020 / JAPAN “WINNER”
35th World Architecture Community Awards / AMERICA “HONORAY & MEMBERS AWARD”
DFA Design for Asia Awards 2020 / HONG KONG “SILVER AWARD”
AZ Awards 2021 / CANADA “WINNER”

□Published

JUNINTOIRO “House to life with plants” - TV show: Mainichi Broadcasting System, Inc.
K-Design Award 2020 YearBook - Published: DESIGNSORI CO.,LTD
DFA Design for Asia Awards 2020 YearBook - Published: Hong Kong Design Centre
GOOD DESIGN AWARD 2020 YearBook - Published: Japan Institute of Design Promotion
Archdaily / America, designboom / Italy, goood / Hong Kong etc.
World media 11 magazines in total / 8 countries around the world

□Work data

House in Minohshinmachi

Main applications / Private housing
Family makeup / Young couple

Design

Yasuyuki Kitamura
Structure 1050 Architects
Takuma Togo
Video Tanpan Studio
Hideki Matsushige
photograph Masashige Akeda
Construction
Takada Corporation Masato Hino
Electric/Air conditioning equipment
DAI Electric Daisuke Tai
Plumbing system
Horibatakogyosho
Shinji Horibata
Planting
Murasame Garden management
Akihiro Oku
Wood Precutting
TORISUMI laminated wood
Terumasa Takahashi

Structure / Construction method

Main structure Wooden frame
Foundation structure Mat foundation

Scale

Number of floors One-story building
Eaves height 4.49m
Maximum height 4.65m
Site area 210.10m²
Building area 87.52m²
(Building rate 41.66%)
Total floor area 81.15m²
(Floor-area ratio 38.63%)

Construction period

Design period
June, 2018 - November, 2019
Construction period
December, 2019 - April, 2020

Site conditions

Area district Urban planning area
Law Article 22 Area
Road width South 6.6m
Parking lot 1

External finish

Roof / Galvalume steel sheet
FRP corrugated plate
Outer wall / Lightweight mortar
Acrylic resin finish coating material
Aperture / Wooden joinery
Aluminum sash
Exterior / Crushed stone paving
Planting / Crape myrtle, Japanese maple,
Dodandan Azalea etc.

Internal finish

Living, dining, kitchen, Guest room,
Bedroom, Washroom
Floor / Fiber reinforced cement board
Wall / Multifunctional calik board
Ceiling / Conifer plywood wood,
Hollow polycarbonate plate
Furniture / Fuji Furniture
Kitchen counter / Sanwa Company
Washbasin / Sanwa Company
lighting equipment / Production
Curtain rail / Production
Floor / Fiber reinforced cement board
Wall / Non-combustible board
Ceiling / Non-combustible board

Toilet

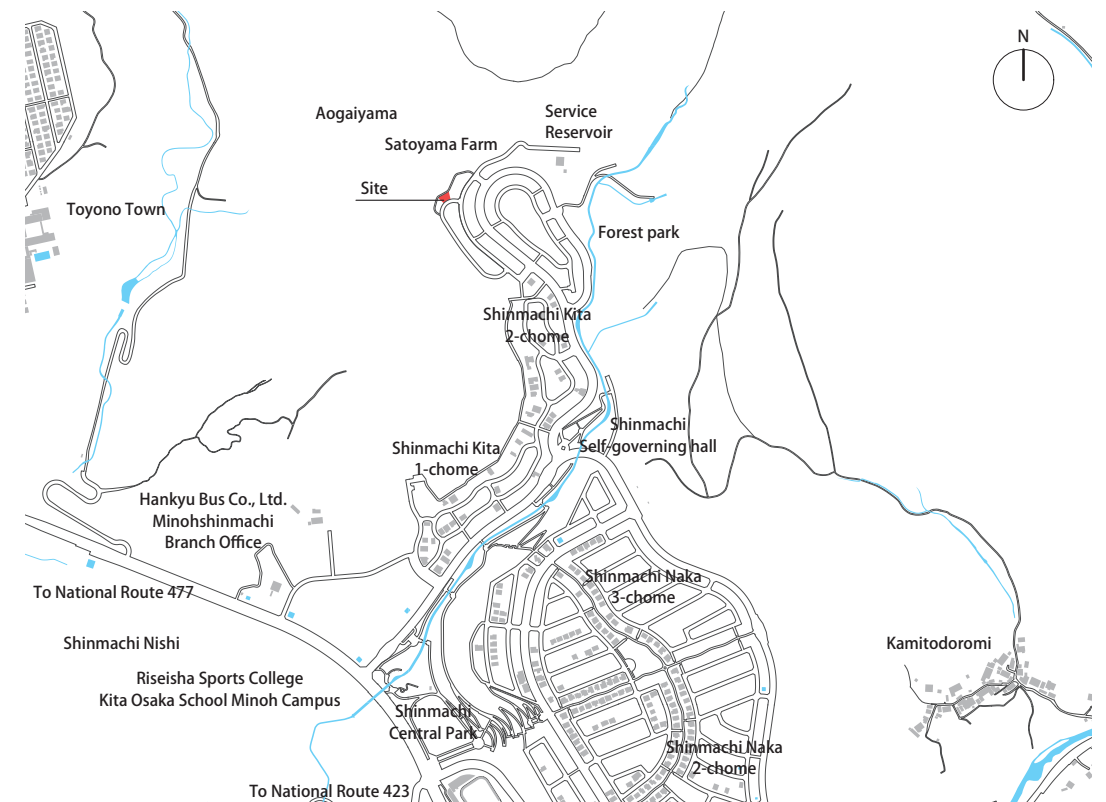
Floor / Fiber reinforced cement board
Wall / Conifer plywood wood
Ceiling / Conifer plywood wood
Toilet bowl / Panasonic
Loft 1 and 2
Floor / Vinyl floor sheet
Ceiling / Conifer plywood wood
Bathroom
Unit bath / Sanwa Company

Equipment system

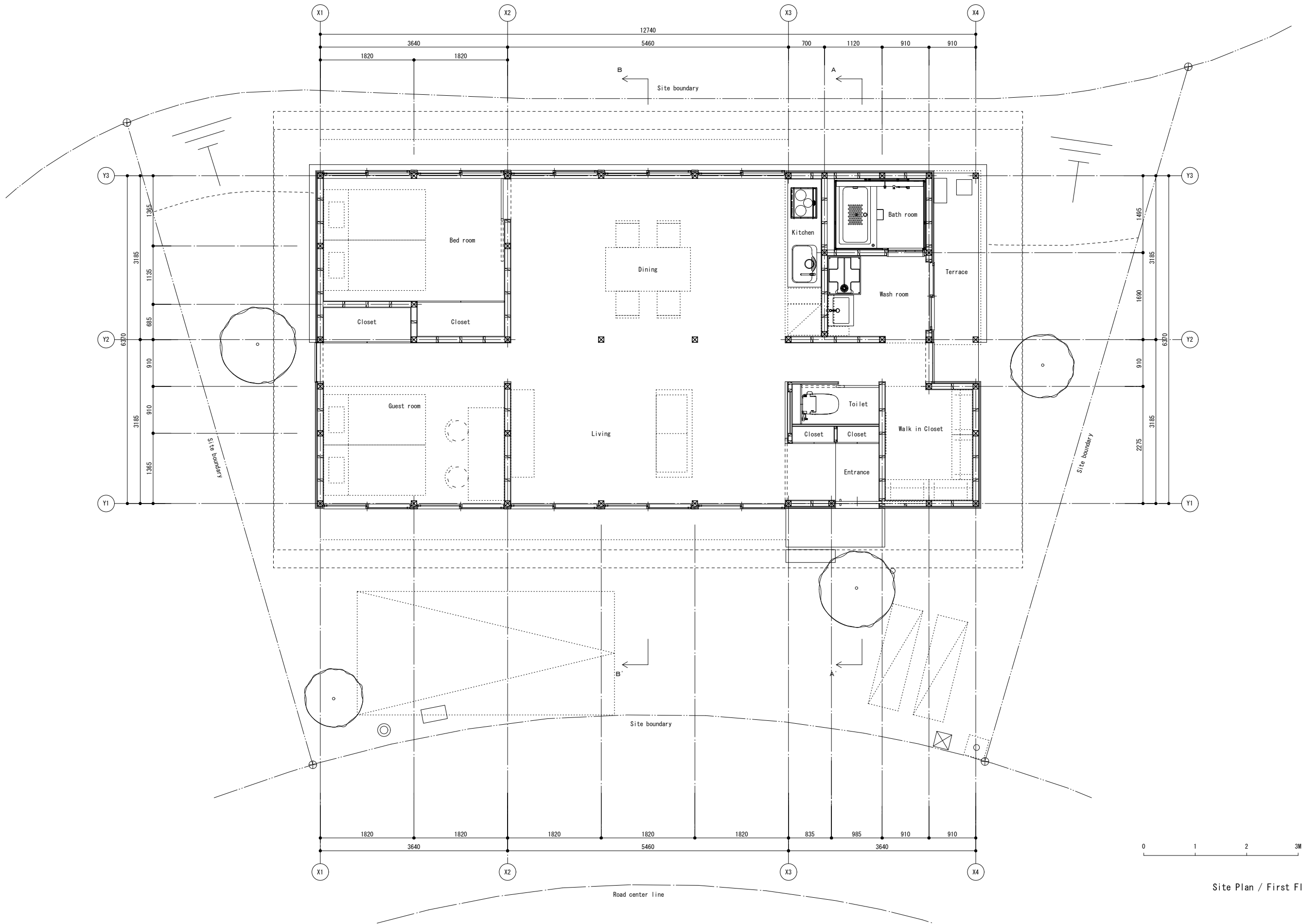
Air conditioning equipment /
Multi air conditioner
Heating equipment /
Hot water floor heating
Ventilating equipment /
Third species ventilation system
Plumbing equipment / Direct water
supply system form water service
Hot water supply equipment /
Gas water heater

□Location

Minoh city, Osaka, Japan



Upper left: Appearance on the east side.
Upper center: With a mogul socket and
a spatula
Self-made pendant light.
Upper right: entrance sliding door and
switch space.
Bottom left: View of the outside from
the bedroom.
Bottom right: Looking up from the
center of the LDK.



Site Plan / First Floor Plan

