

**A Method for Surveying
Private Residences
and
Urban Streetscapes**

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I. The purpose of the survey

Defining the history and value of the town



- **The reason for conservation**
- **Identifying the objects which should be conserved**

Defining the characteristics of an area

- **Specifying the buildings which should be conserved**
- **Methods for controlling new architecture**
(Building location, size, design, etc.)

Gaining a grasp of the present situation of the area



- **Creating a basic register of the structures within the area**
- **Formulating a policy for improvement with the purpose of restoration**
- **Formulating a policy for revitalization of the area**

II. Method of investigation



Duong Lam Village in Vietnam



Duong Lam Village in Vietnam



1.Collection of basic informational material

Purpose: To shed light on the history and structure of the town.

Method: Collection of preceding studies, documents, old maps, and old photographs.

Notes: The survey is conducted in advance to obtain background knowledge.

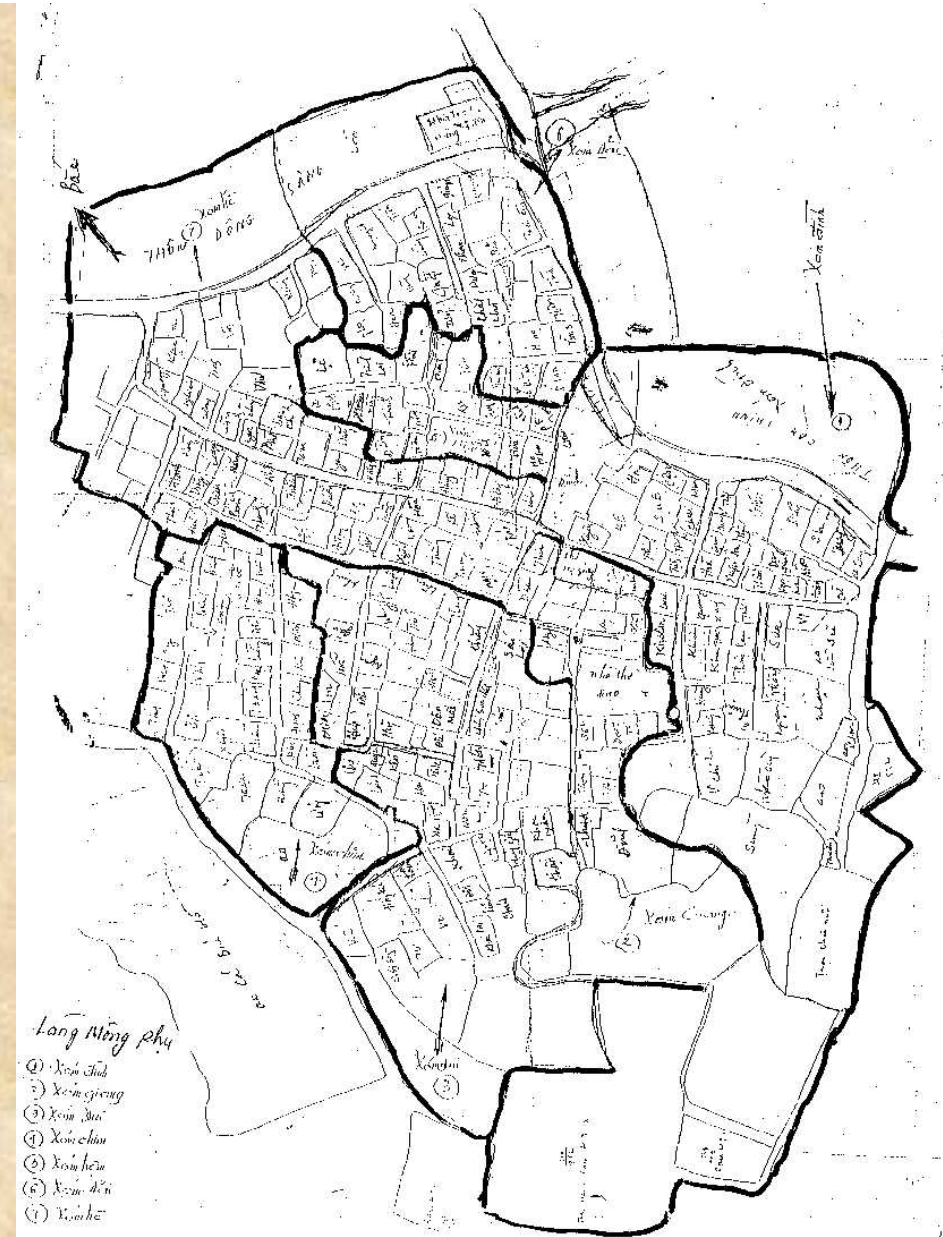
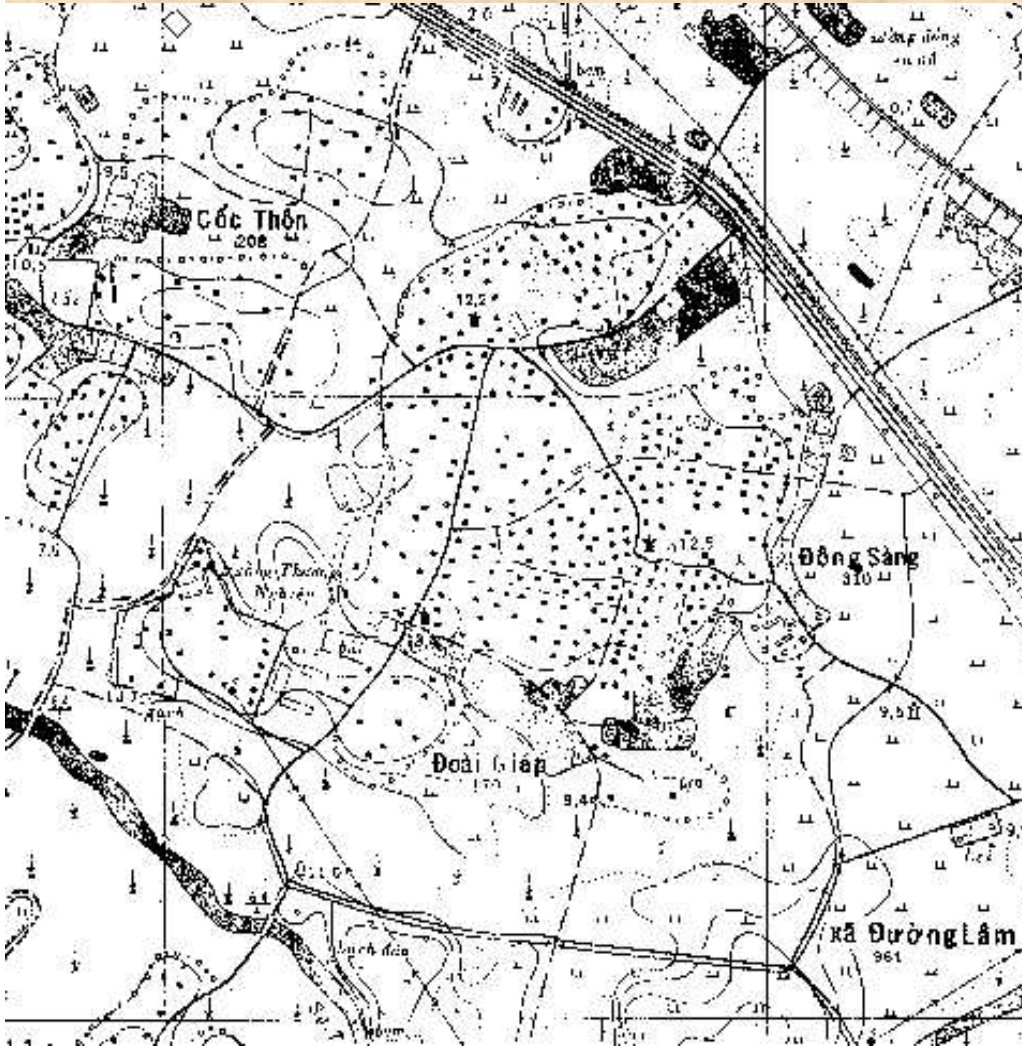
Collection is also carried on vigorously during the survey, and interviews with relevant persons are conducted as well.

2. Obtaining and/or creating a basic map

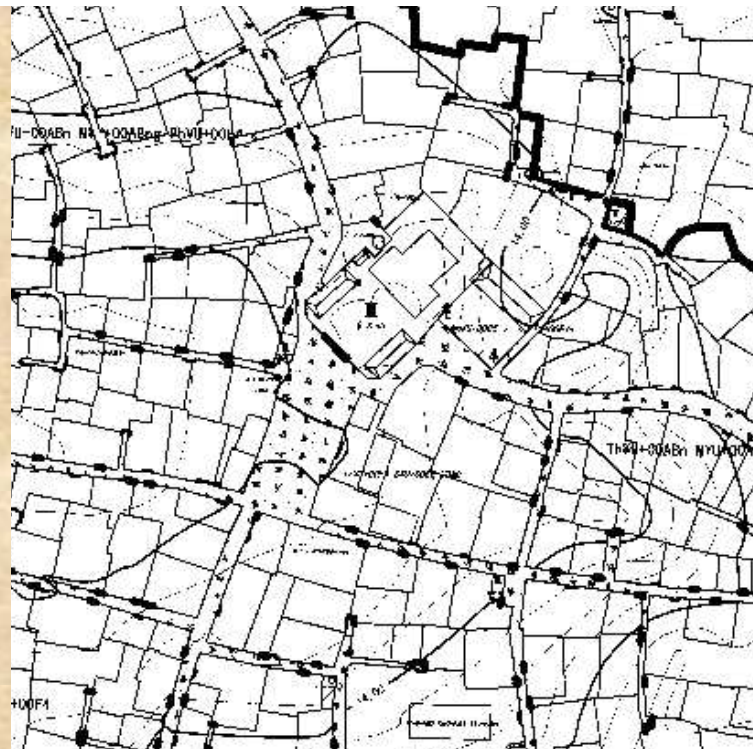
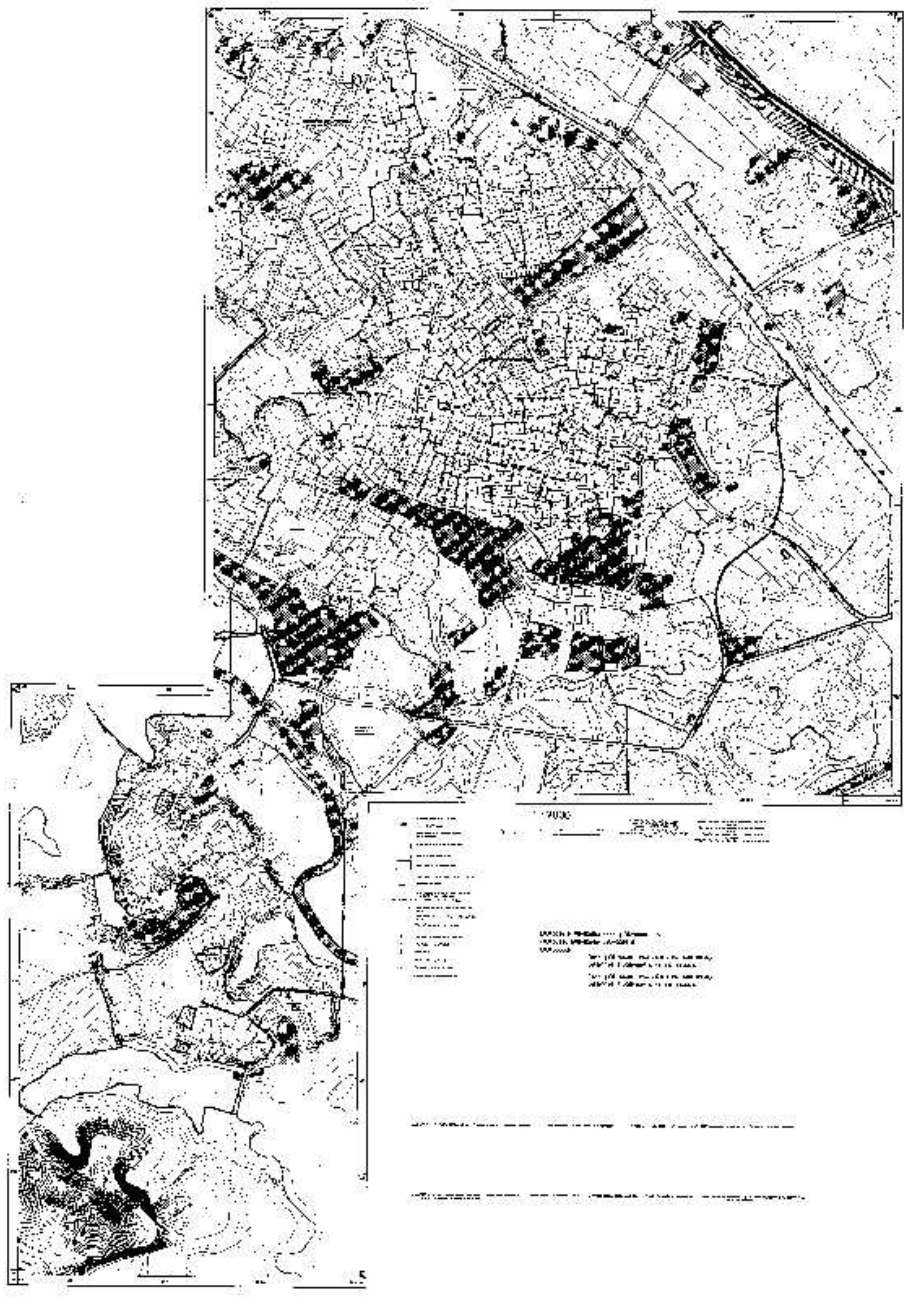
Purpose: To understand the structure of the town. The map is to serve as the basic information for the survey. The map is to serve as the basic information for conservation management.

Method : A map is obtained which contains existing plot boundaries and the outline of existing buildings. When there is no such map, one is created during the initial stages of the survey.

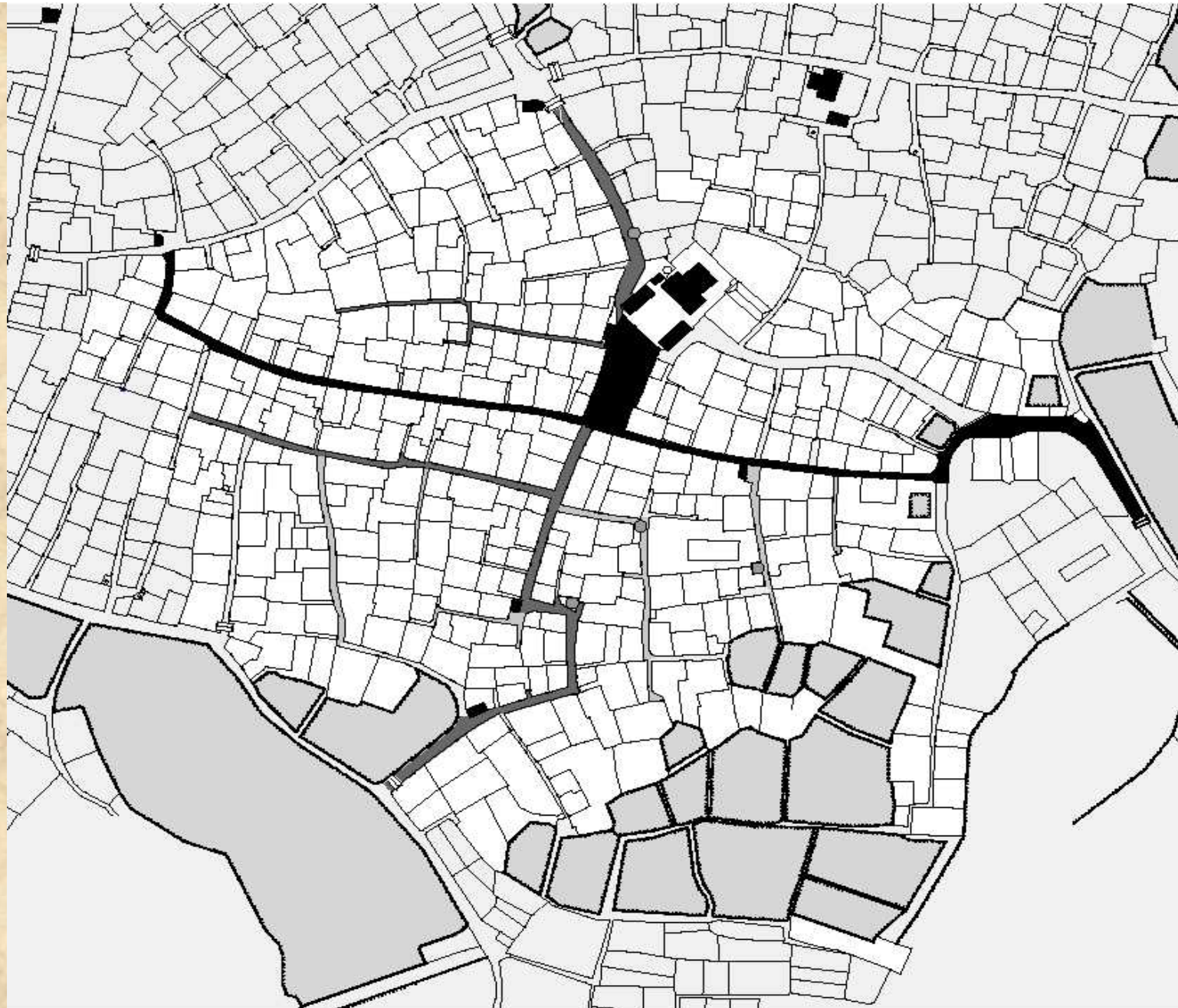
Notes : This information will be necessary for every stage of the process. It is the top priority item in the survey.



Map ; we got before on-site survey



Base map for survey



Structure system of the village

3. Gaining a grasp of the present situation of the community

Purpose: To understand the structure of the town. To obtain information for smooth execution of the survey. This information will be utilized in considering the role of community residents in the efforts toward conservation and restoration.

Method : Utilizing government information and interviews with residents, the community units are entered onto the map.

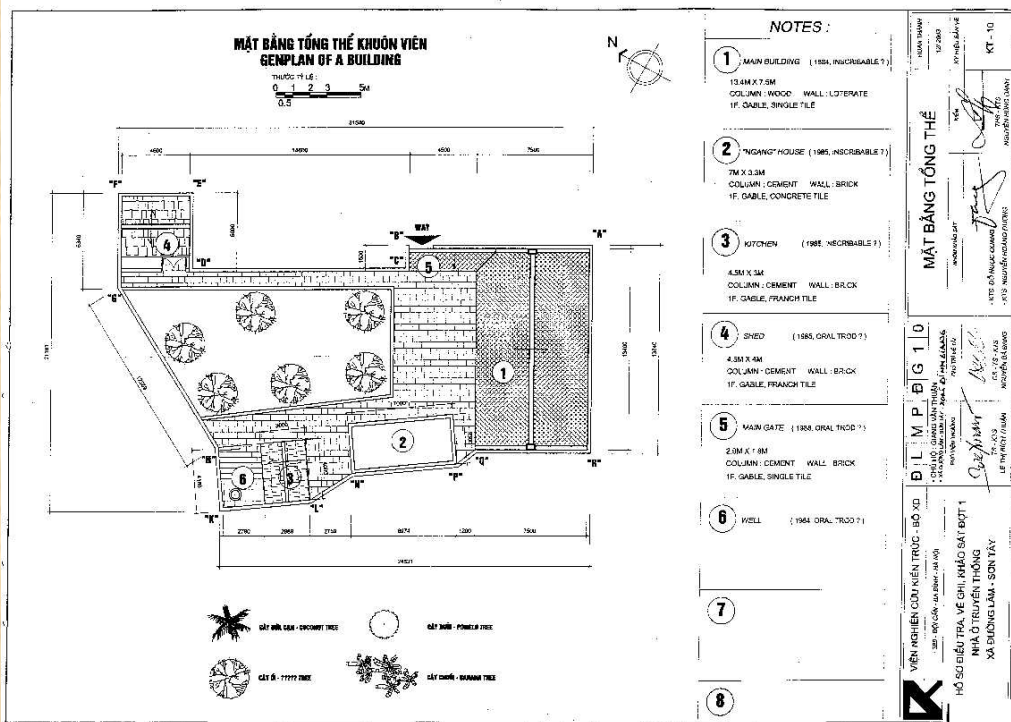
Notes : Workshops are held as needed while the survey is being conducted.

4. Exhaustive survey of the present situation

Purpose: To identify the characteristics (street structure, scenery, etc.) of the entire area. To gain a grasp of the present situation of the area. To select the buildings on which “building inspections” are to be performed. This information will be utilized for the purpose of deciding the range for conservation.

Method : Working from a map, every site and every structure (buildings, gates, fences, stone walls, waterways, wells, and all other man-made structures) within the surveyed area is given a number and plotted onto the map. A list is generated using notes on general descriptions and photographs of every structure.

Notes : This is done as the first step of the on-site survey. It encompasses all traditional and new buildings. The items for the general description notes are to be decided in advance, so that the investigator can focus on writing those notes during the on-site survey. The detailed surveys will be conducted later, so the focus is exclusively on list creation without spending time on individual surveys.



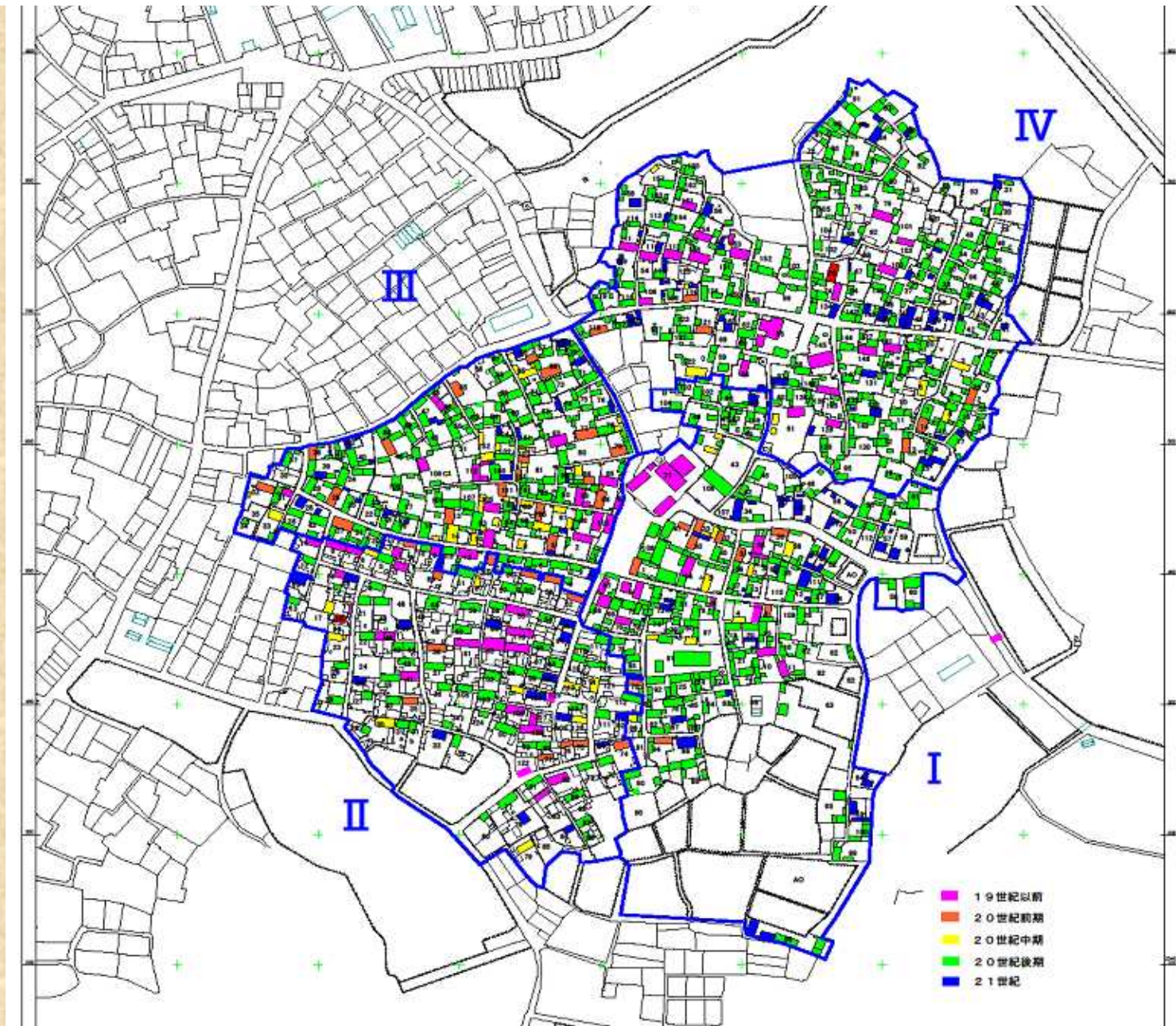
KHẢO SÁT ĐIỀU TRA LÀNG CỔ ĐƯƠNG LÂM - ĐỢT 1

Mã số nhà: Đ L M P Đ G 1 0	Điều tra viên: KTS Nguyễn Hoàng Dương
Niên đại xây dựng: 1884	Ngày điều tra khảo sát: 10/12/2003
Địa chỉ: Xóm Đ (làng): Thôn Mông Phụ - Xã Đương Lâm	Nghệ nghiệp chủ sở: Nông nghiệp
Tên chủ sở hữu: Ông Văn Khuôn	Khuôn viên nhà: m x m = 409 m ²

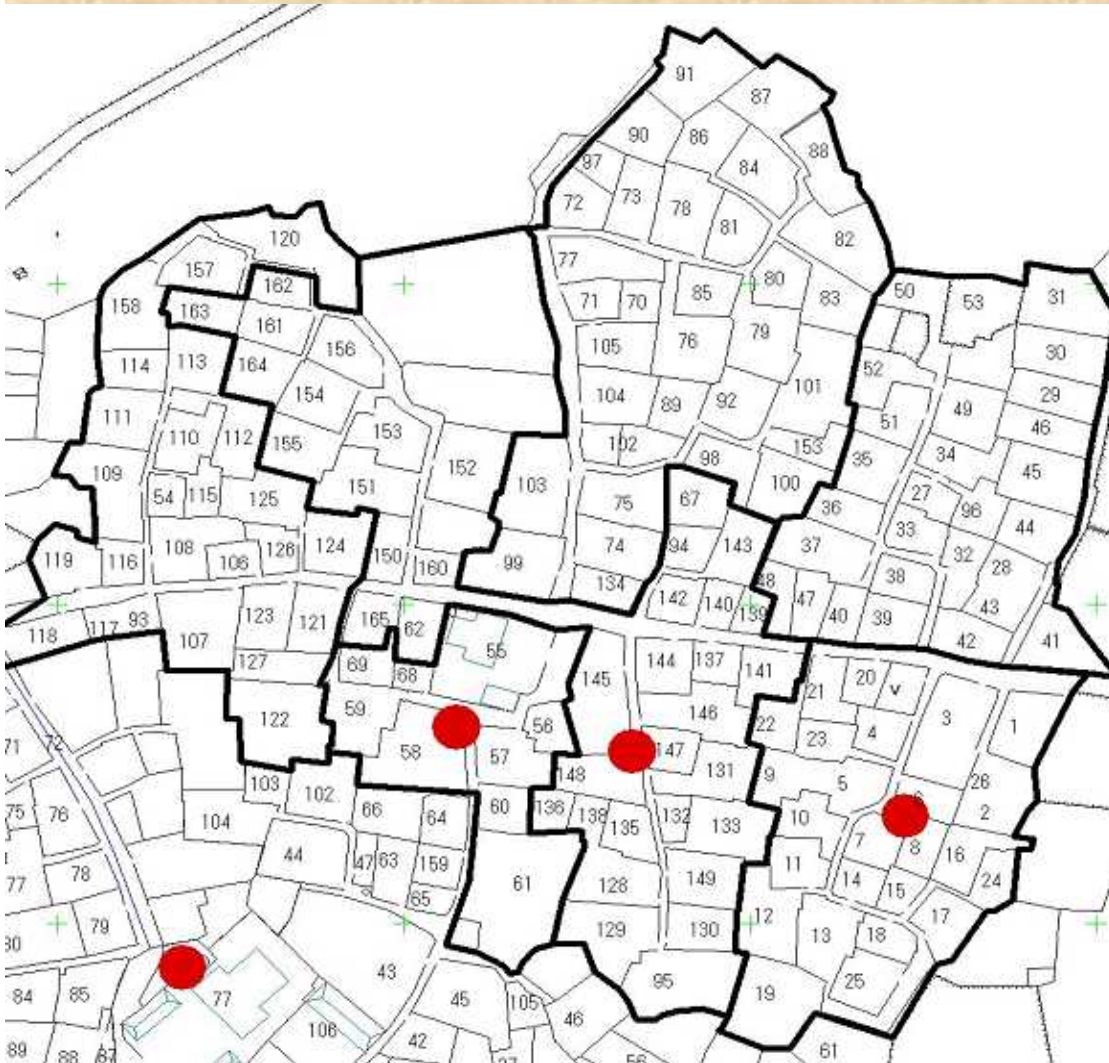
Cổng vào Nhà ở Sân vườn

Nhà chính và nhà Bếp Nhà chính và nhà phụ Chái đất

Result of
exhaustive survey



Result of exhaustive survey



Communities and wells

5. Building survey (Survey of private residences)

Purpose: To identify the characteristics of a building in the area.

Method: Based on the exhaustive survey, a traditional building that shows the characteristics of the area is chosen and subjected to a building survey.

Notes : Whether to conduct a survey on all the traditional buildings within the area or to limit the number of buildings is to be decided on the basis of the budget and time allowed for the survey. The survey is to include not only the building itself but the building site and the usage of the building.



**A farmer's house
In Duong Lan village**

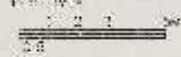
A. Drawing up of protocol:

The items to be identified are laid out in a spreadsheet, and entries are made on site.

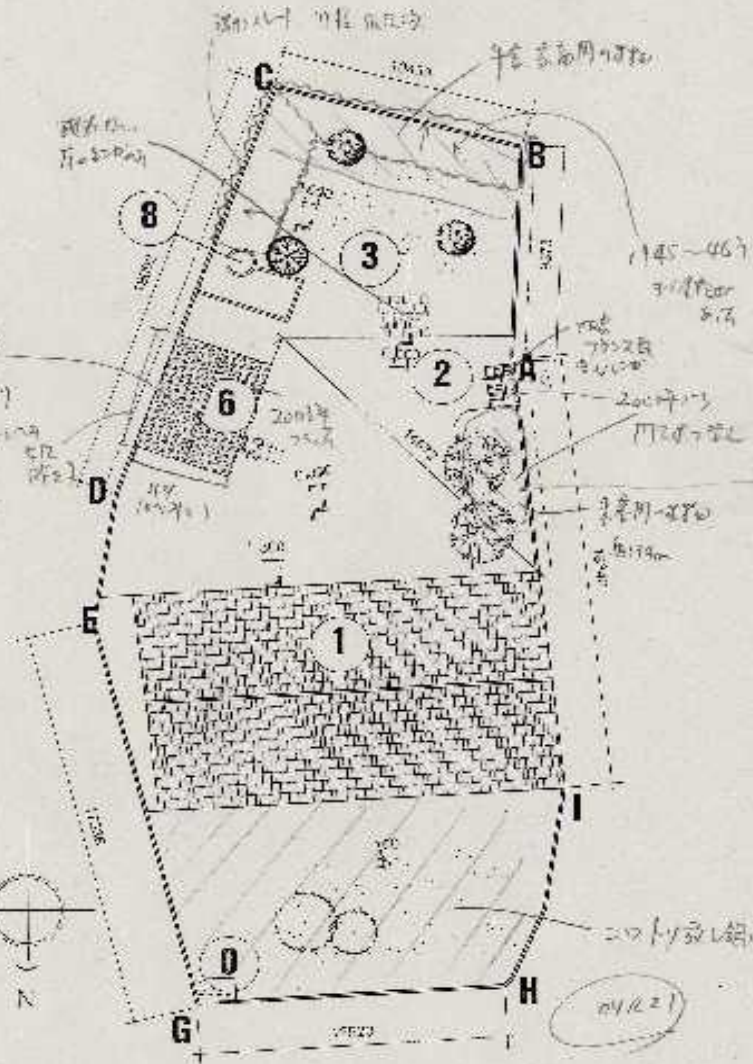
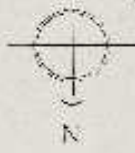
B. Creation of a plot plan:

Plot plans are created for each building site.

MẶT BẰNG TỔNG THỂ KHUÔN VIÊN
GENPLAN OF A BUILDING



- CÂY ĐUỐI - TOKELD TREE
- CÂY LÁO - JAKBETREE
- CÂY NH - SIGMAPPLE TREE



NOTES :

- 1** BẢNG CHỈ DẪN (FACE RECEPTION)
2.2M X 2.0M
COLUMN: WOOD PALE
WALL: BRICK
DOOR: FRANCHISE
- 2** BẢNG CHỈ DẪN (FACE RECEPTION)
2.2M X 2.0M
WALL: BRICK
DOOR: FRANCHISE
- 3** BẢNG CHỈ DẪN (FACE RECEPTION)
2.2M X 2.0M
COLUMN: WOOD PALE
WALL: BRICK
DOOR: FRANCHISE
- 0** CỘT CỘT (FACE RECEPTION)
2.2M X 2.0M
DOOR: FRANCHISE
- 6** BẢNG CHỈ DẪN (FACE RECEPTION)
2.2M X 2.0M
WALL: BRICK
DOOR: FRANCHISE
- 8** BẢNG CHỈ DẪN (FACE RECEPTION)
2.2M X 2.0M
DOOR: FRANCHISE

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MẶT BẰNG TỔNG THỂ

Đ L C T X G 149

UNITED STATES OF AMERICA

PHONG KHOA KIẾN TRÚC - ARCHITECTURE

PHONG KHOA KỸ THUẬT - TECHNICAL DRAWING

PHONG KHOA THIẾT KẾ NỘI THẤT - INTERIOR DESIGN

PHONG KHOA THIẾT KẾ CẢNH QUAN - LANDSCAPE ARCHITECTURE

PHONG KHOA THIẾT KẾ MÔI TRƯỜNG SỐNG - ENVIRONMENTAL DESIGN

PHONG KHOA THIẾT KẾ CHI TIẾT - DETAIL DESIGN

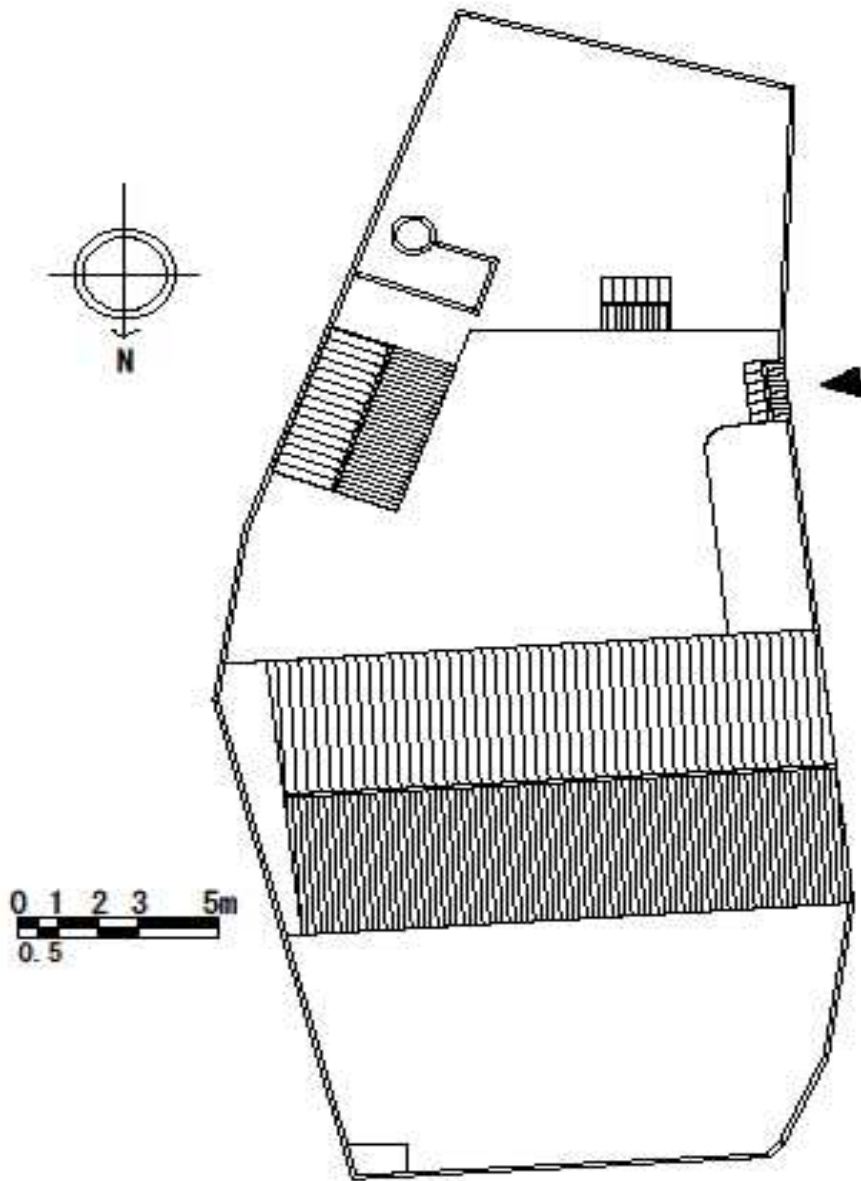
PHONG KHOA THIẾT KẾ CÔNG TRÌNH - CONSTRUCTION DESIGN

PHONG KHOA THIẾT KẾ MÔI TRƯỜNG SỐNG - ENVIRONMENTAL DESIGN

PHONG KHOA THIẾT KẾ CHI TIẾT - DETAIL DESIGN

PHONG KHOA THIẾT KẾ CÔNG TRÌNH - CONSTRUCTION DESIGN

Creation of a plot plan



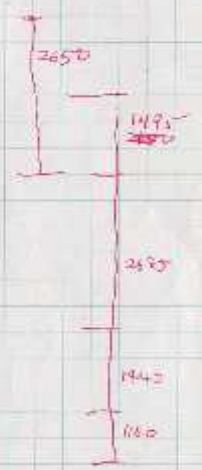
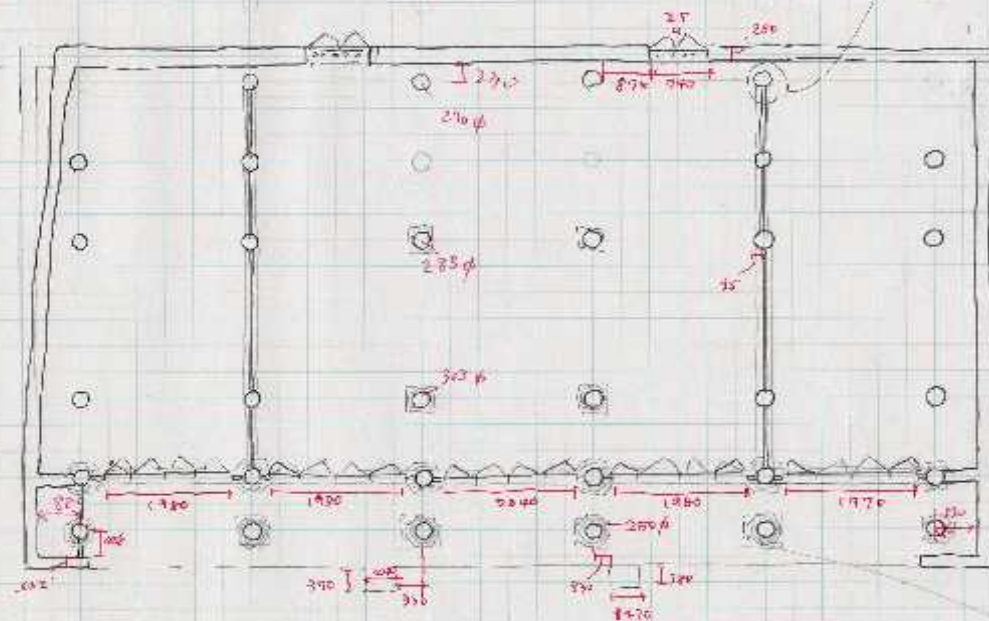
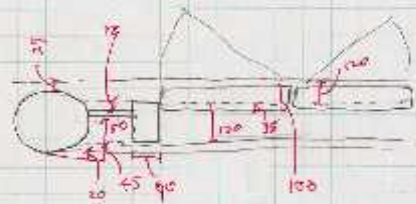
**Creation of a plot plan
Fair copy by CAD**

C. Actual measurement of floor plan:

The plane figure is sketched into a field book (plotting paper) and measured.

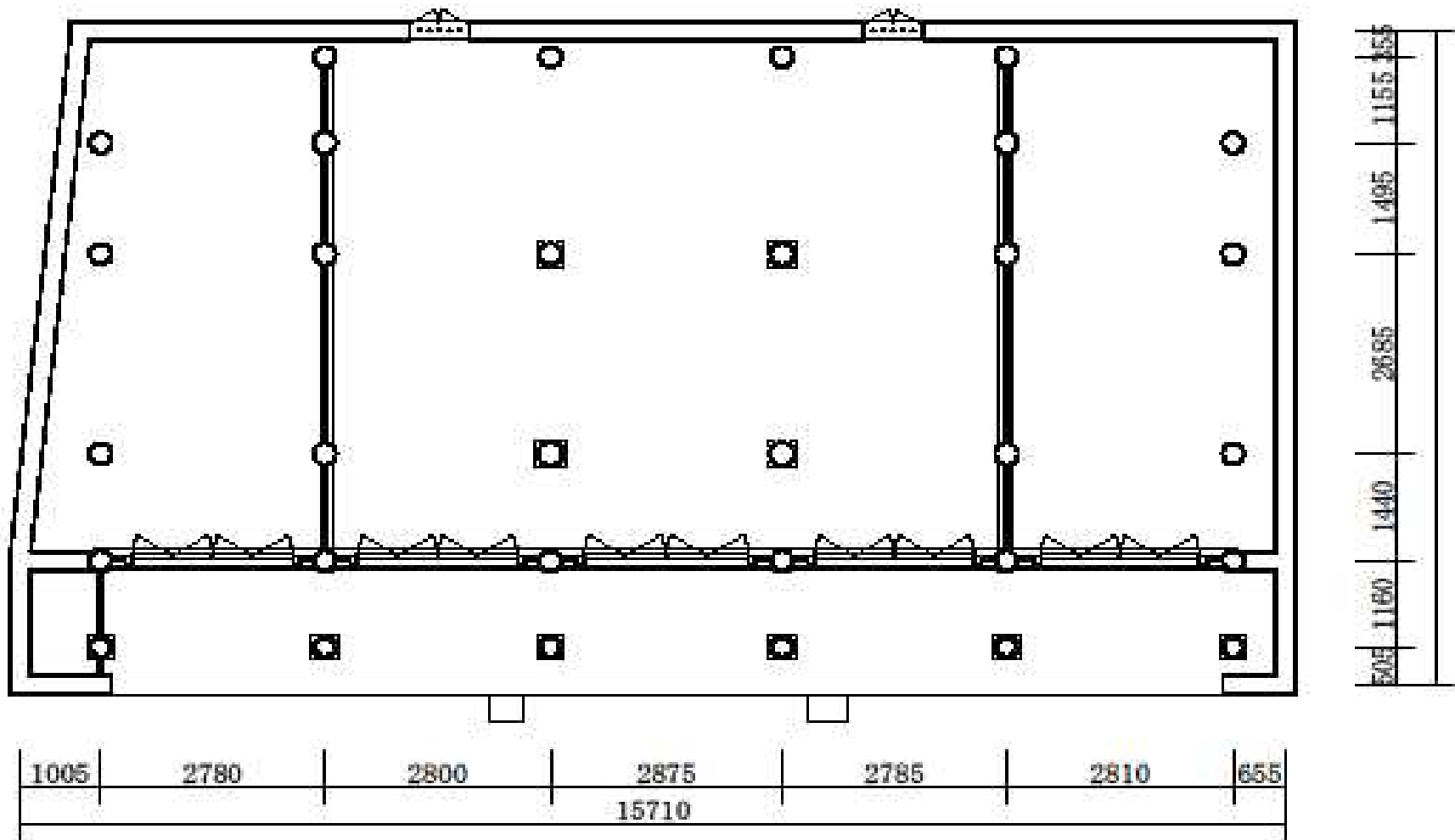
Working from the field book, a drawing is created on the desk.

② 廠址測量



IV-145
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第10

Actual measurement of floor plan

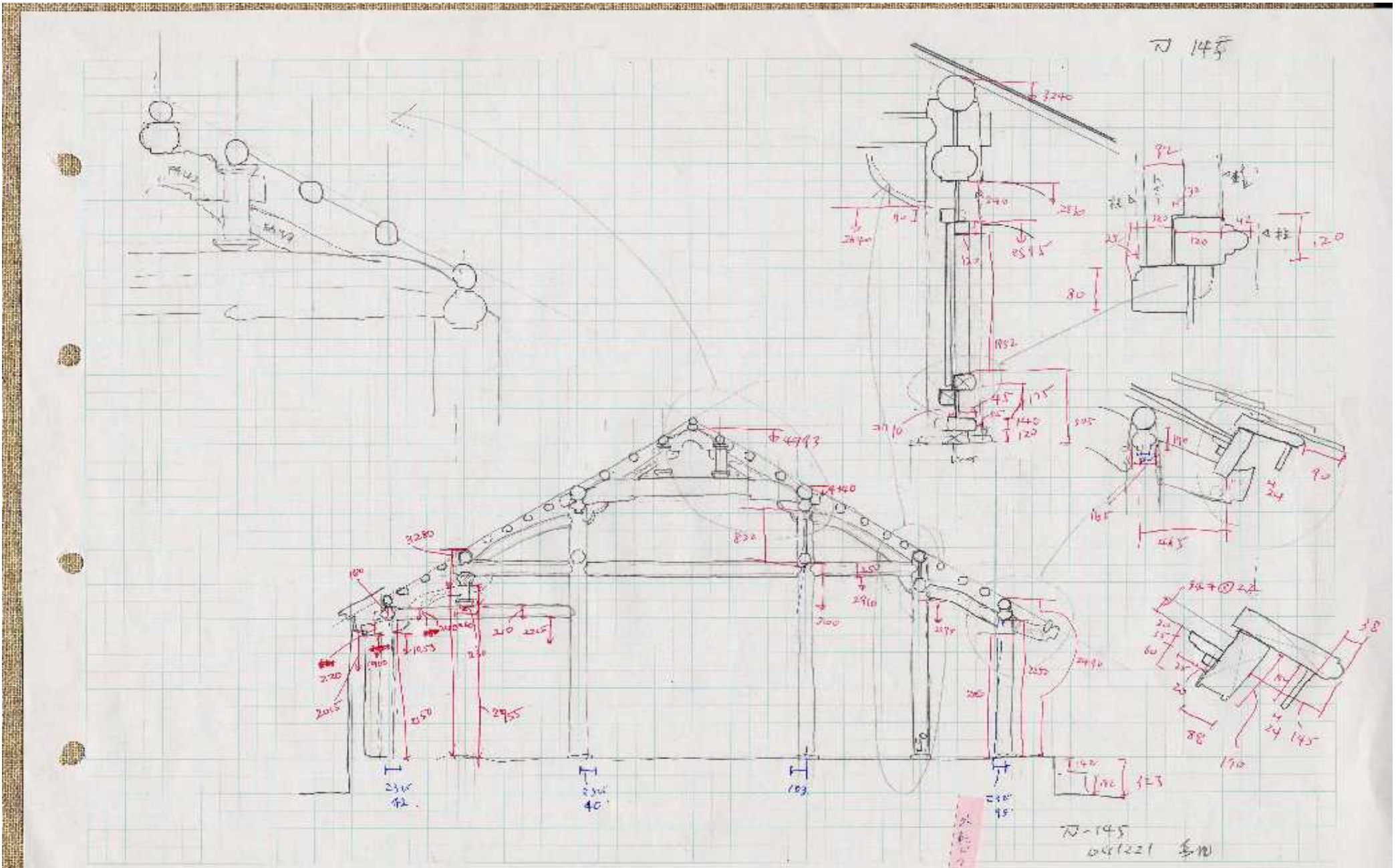


Creation of a plot plan ; Fair copy by CAD

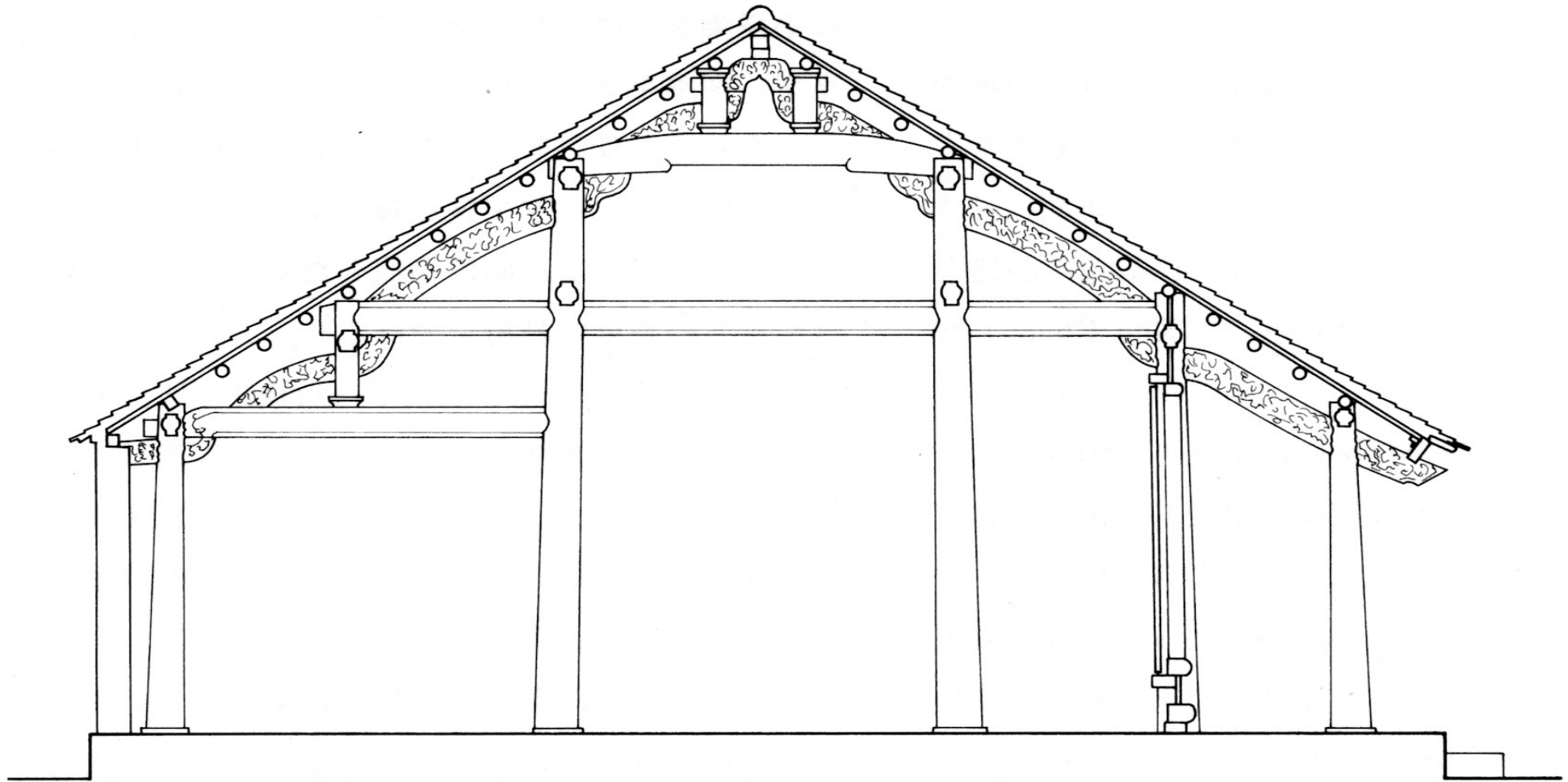
D. Actual measurement of cross section:

The plane figure is sketched into a field book (plotting paper) and measured.

Working from the field book, a drawing is created on the desk.



Actual measurement of cross section

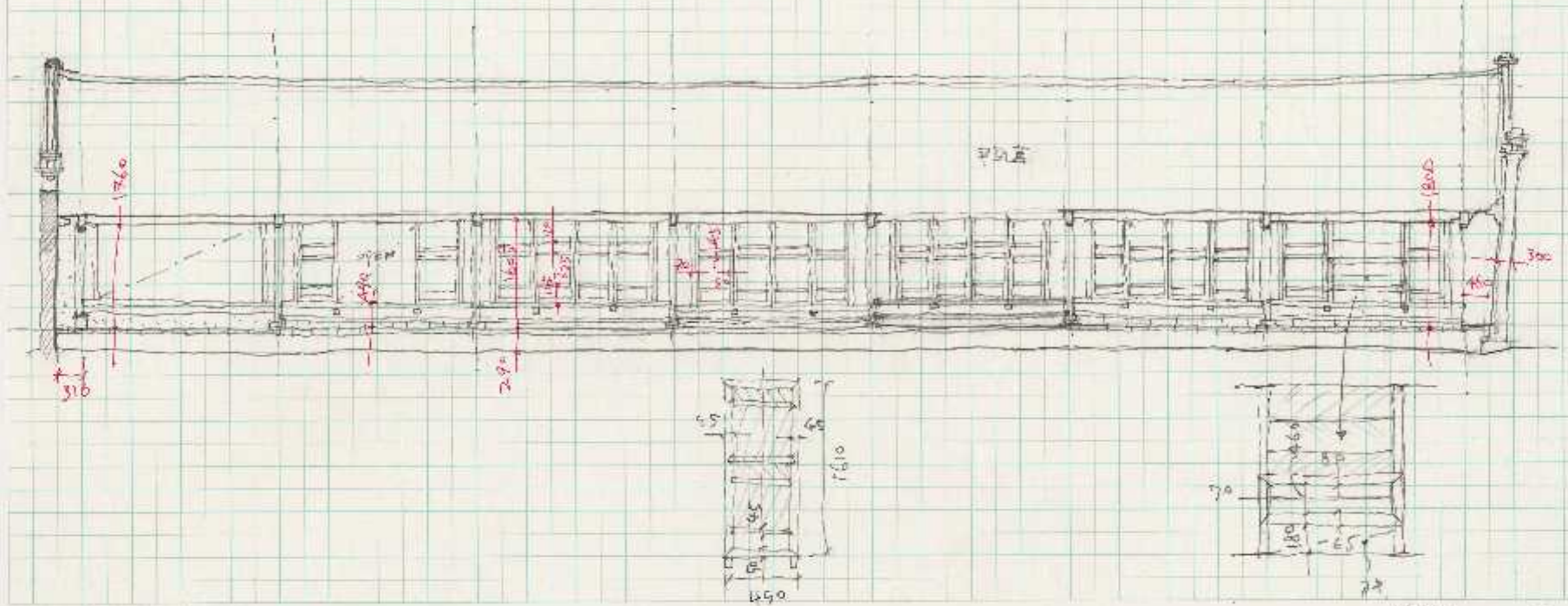


Creation of a plot plan ; Fair copy by CAD

E. Actual measurement of elevation:

The plane figure is sketched into a field book (plotting paper) and measured.

Working from the field book, a drawing is created on the desk..



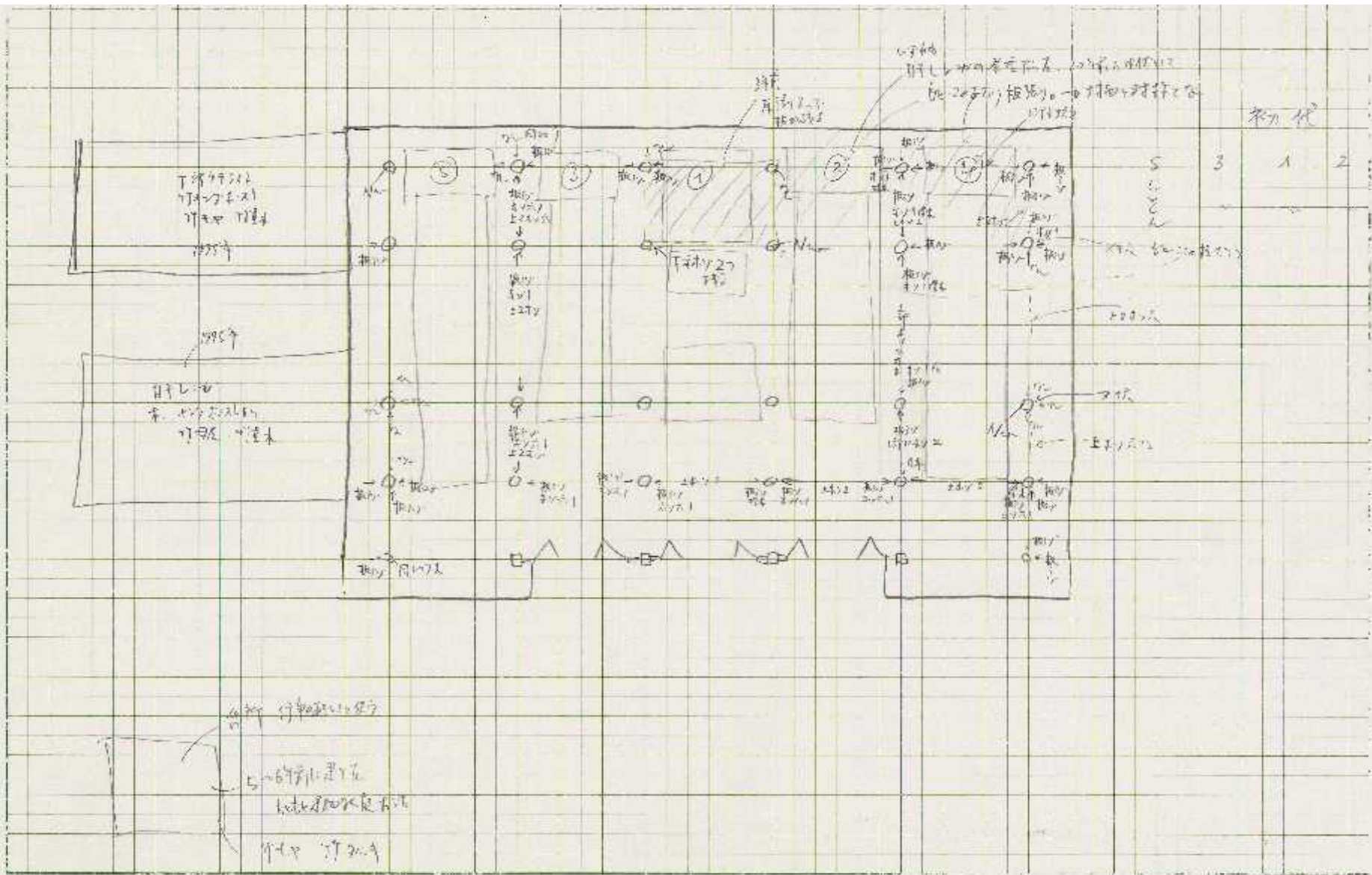
14. May, 2004. Nagano,

Actual measurement of elevation

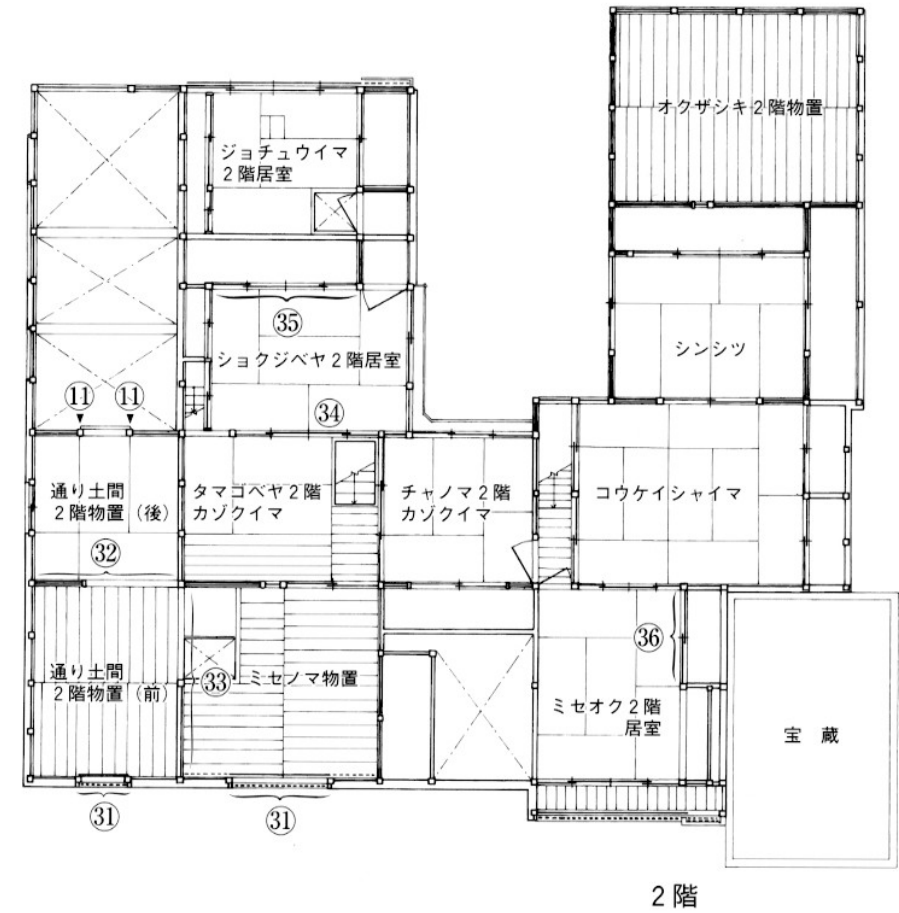
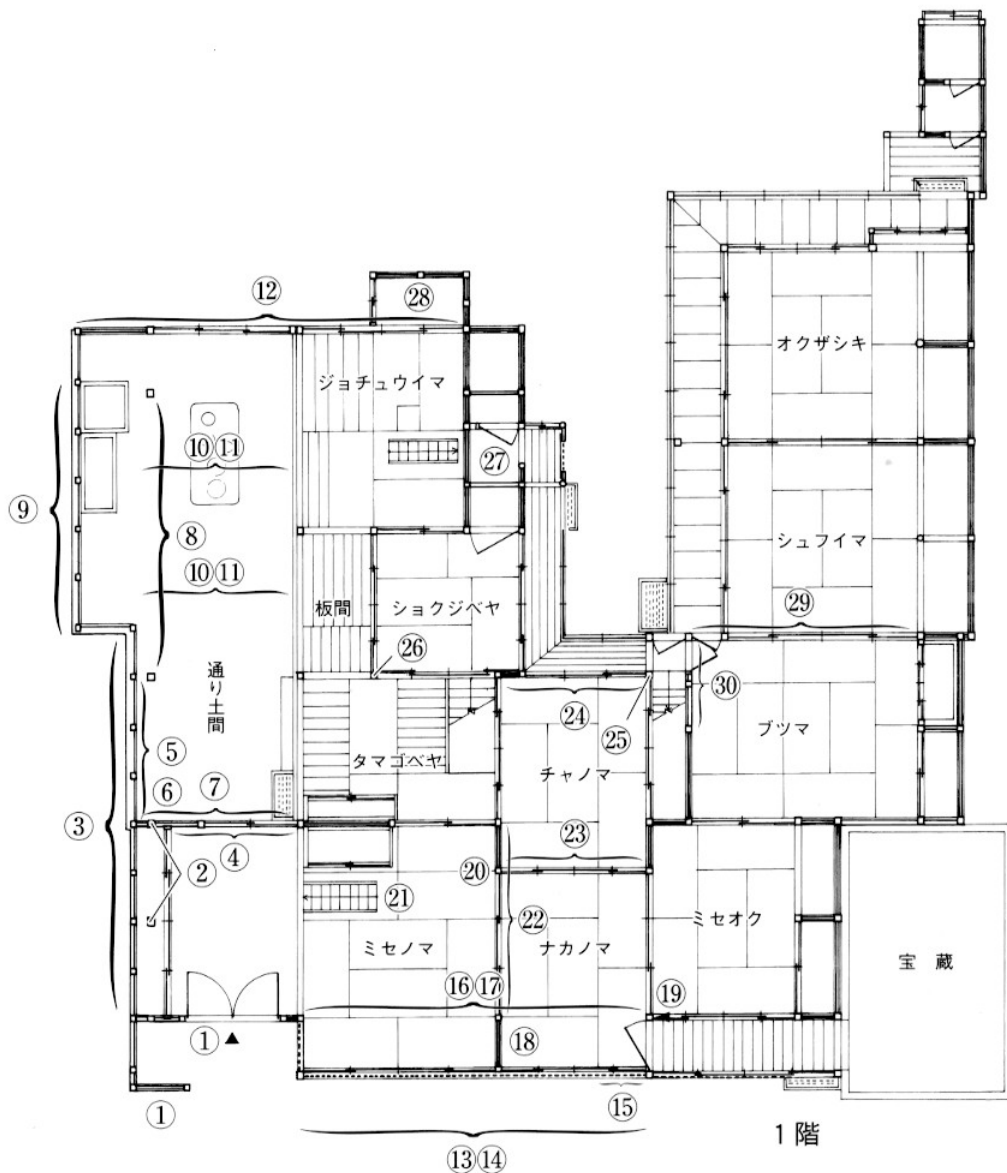
F. Evidence survey:

Evidence of past modifications to the building are entered onto simplified planes

The changes made to the building are considered on the basis of the evidence.



Evidence survey



Evidence survey in the case of a Japanese building



図36 ミセノマ入側柱のヒバタ痕跡



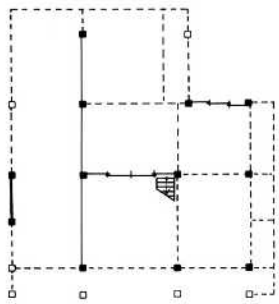
図38 チャノマ上手の根継ぎされた柱



図37 ミセノマ天井の上り口痕跡



図39 窓の旧位置痕跡

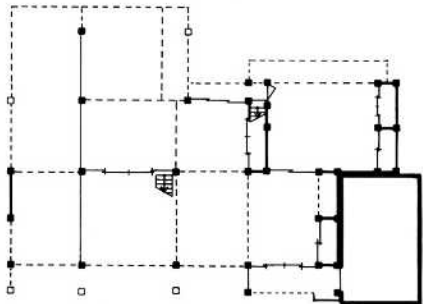


1階

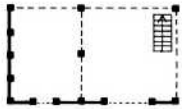


2階

図43 復原：当初（18末～19世紀初）

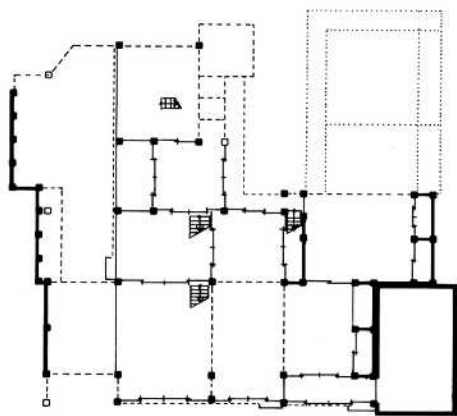


1階

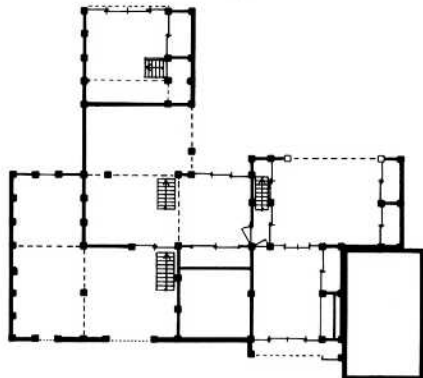


2階

図44 復原：第1次改造（近世後期）

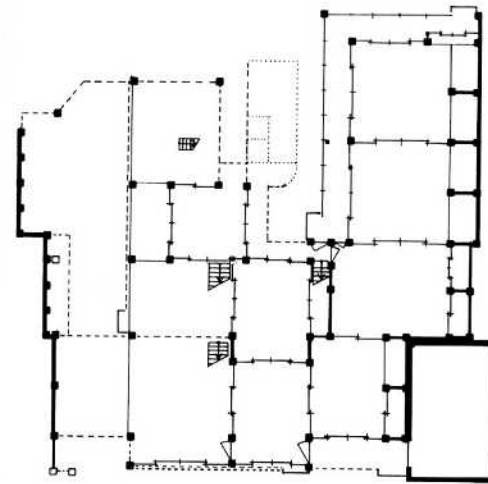


1階

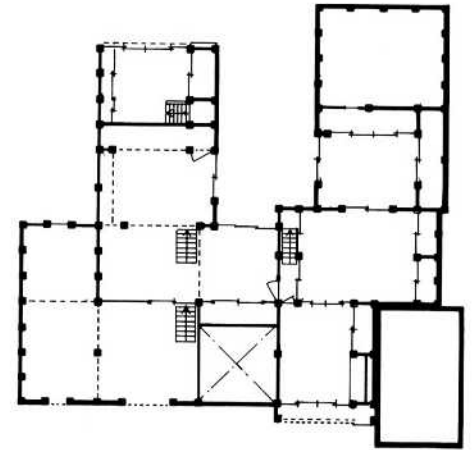


2階

図45 復原：第2次改造（近世末期）

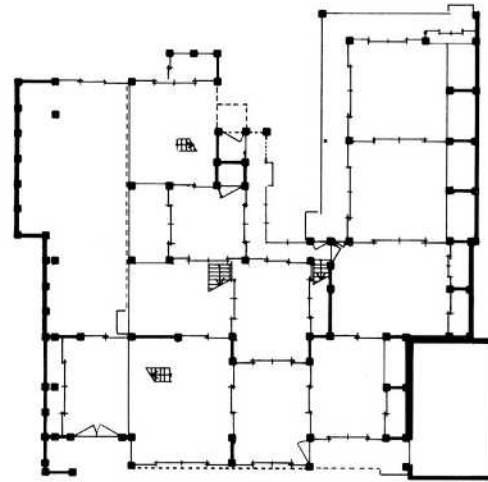


1階

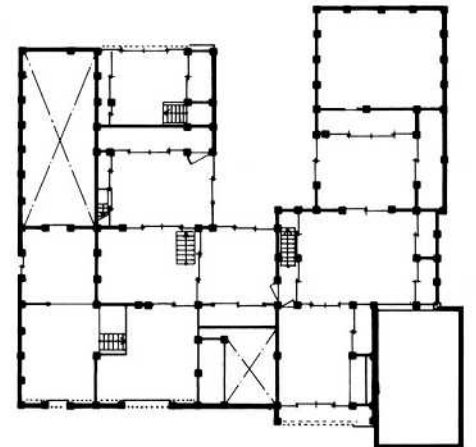


2階

図46 復原：第3次改造（明治8年）



1階



2階

図47 復原：第4次改造（明治末）

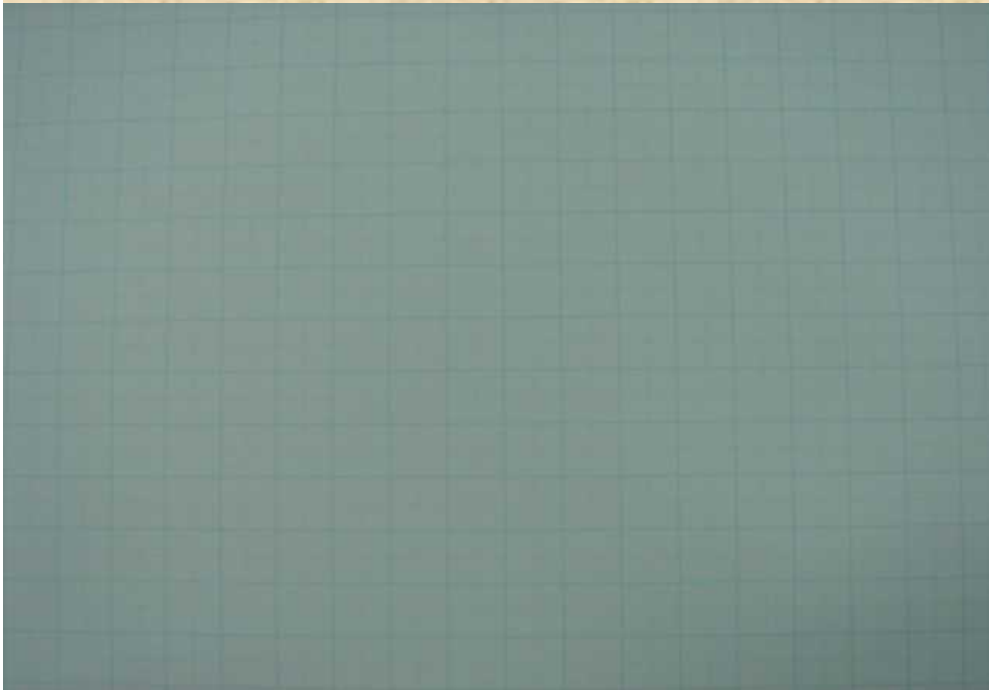
G. Survey of informational material:

Documents, *munafuda* (wooden ridge tag), pictures, diagram of the physiognomy of the house, old photographs

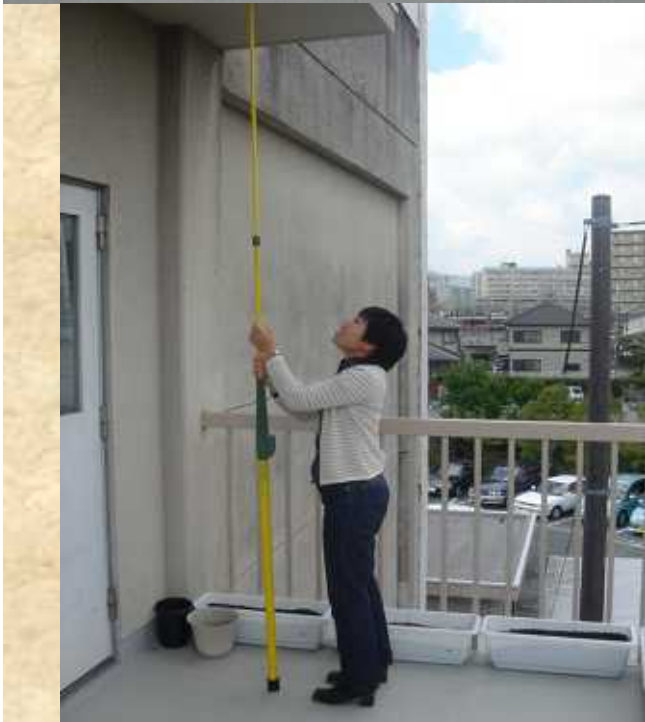


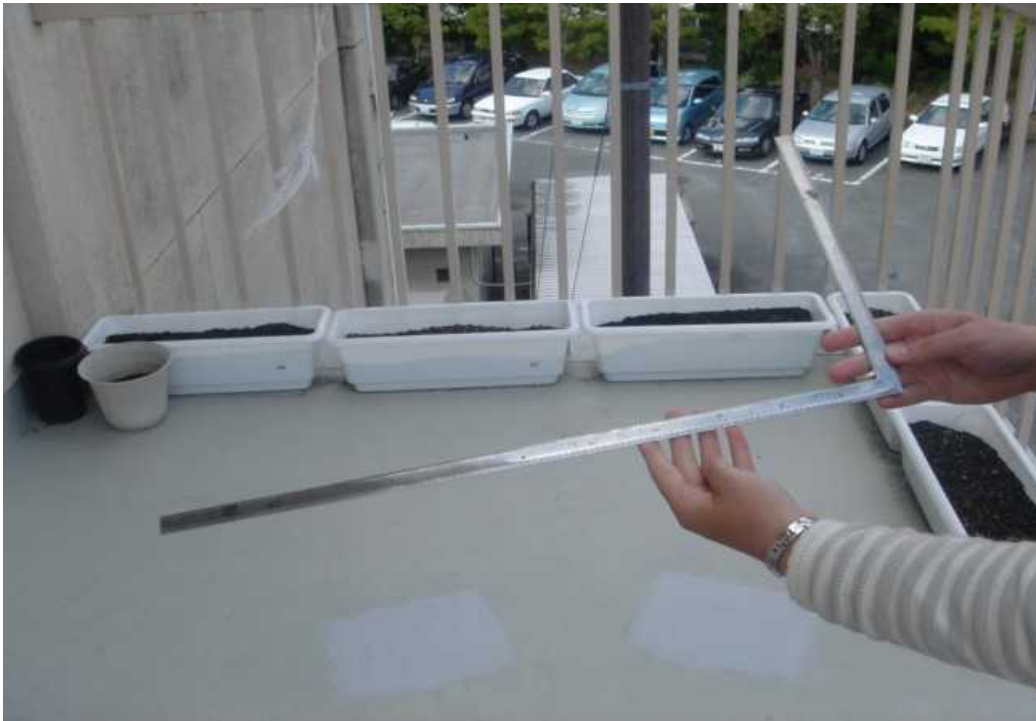
Description of the date of construction

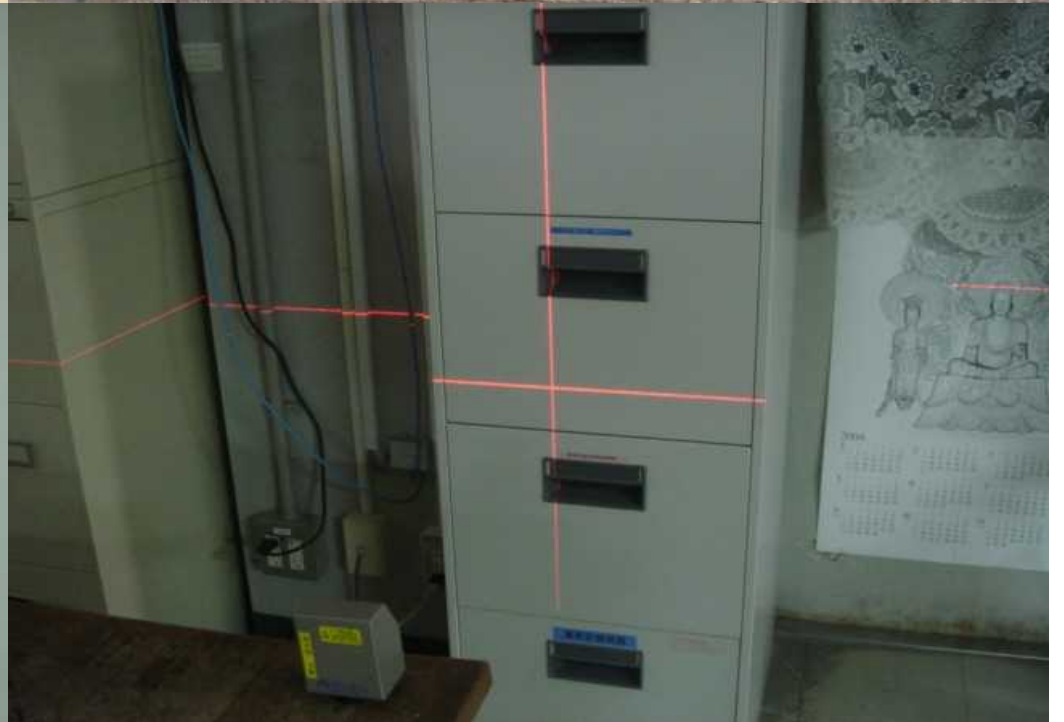
Tools

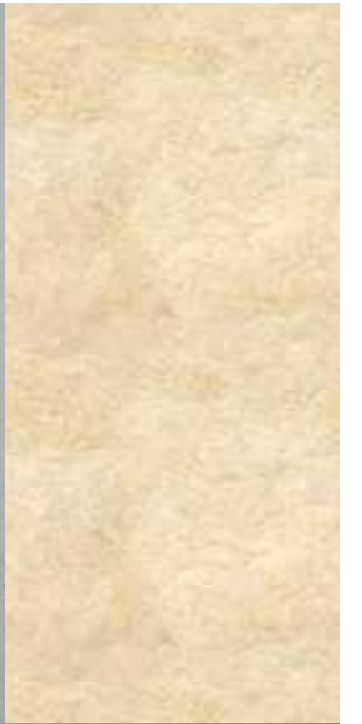
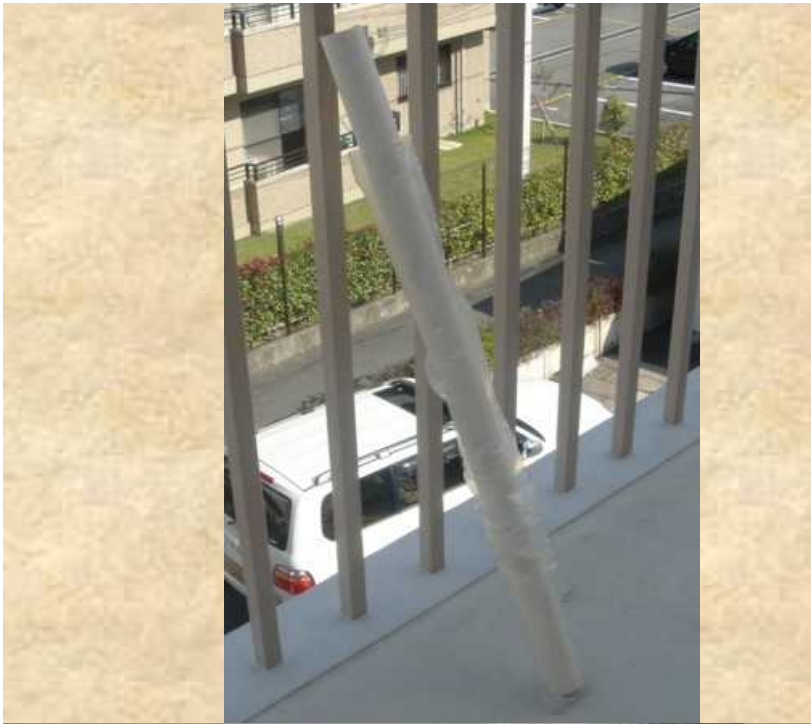


Tools for building survey











6. Historic survey

Purpose: To shed light on the history of the town.

Method : Analyzing preceding studies and documents, conducting interviews, and performing excavations.

Analyzing the changes in the town's structure on the basis of excavation, document survey, old maps, and old photographs.

Notes : Information is collected individually, and workshops are conducted as well.

7. Folklore survey

Purpose: To define the traditional life of the townspeople. To conserve things which demonstrate the historic nature of the area. This will be used as a tool for rebuilding the community and revitalizing the area.

Method : Investigation of the dates and times, methods, costumes, and equipment used in festivities. Collection of data and interviews are conducted on the resident's daily clothing, food and housing.

Notes : Workshops are held to heighten the awareness of community residents.



Survey of carpenter technique



Survey of material



Survey of traditional festival



**Survey of
traditional clothes**



Survey of Traditional foods



Survey of Life style

8. Consideration of conservation method

Purpose: To identify a basic policy for conservation.

Method : On the basis of the surveys conducted above, the range for conservation is considered.

The buildings to be conserved are considered.

Standards by which to control new buildings are considered.

Policies for community revitalization are considered.

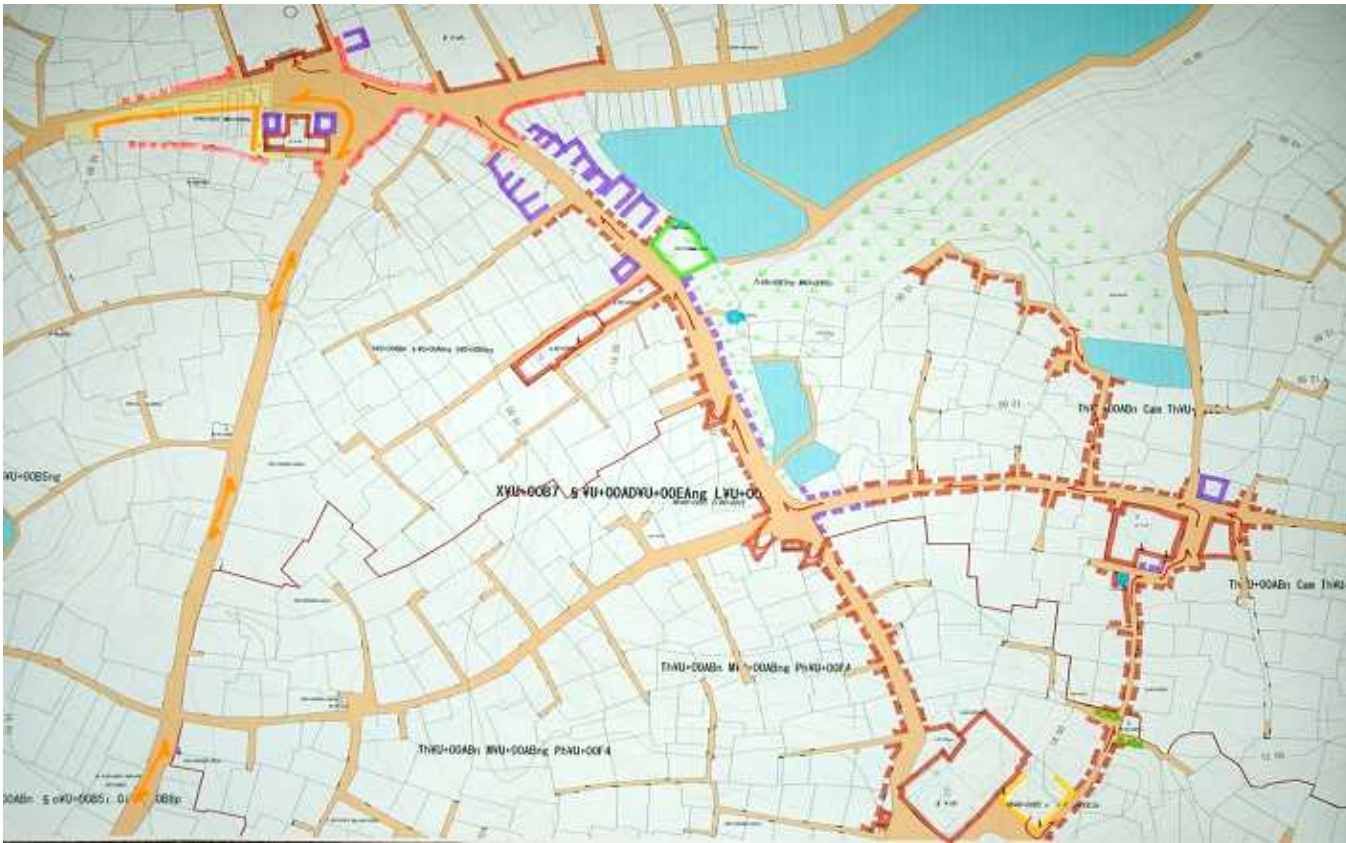
Notes : At the final stage of the survey, a workshop is held with participation by researchers, government administrators, and residents, and a feasible plan is formulated.



Preservation district



Workshop about plan for enhancement of landscape.

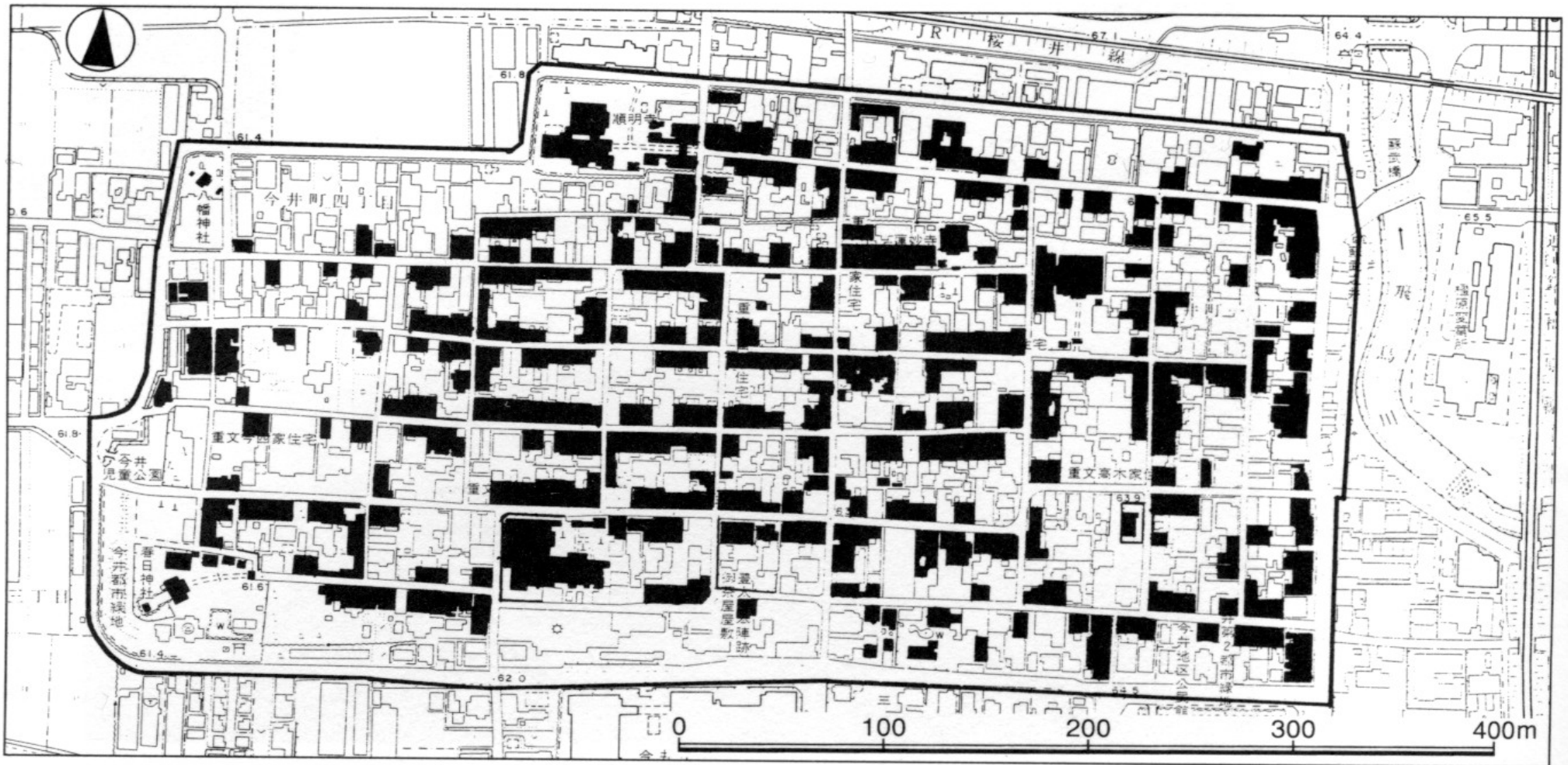


**plan for enhancement
of landscape.**

9. Preparation of the report

Purpose: This is the duty of the person who conducted the survey. The report defines the value of the area, and disseminates that knowledge to the residents as well as to the general public.

Notes : Items 1 through 7 would suffice for an academic survey; however, a survey report for the purpose of conservation should include item 8 as well.



Imai-cho Preservation District for Groups of Historic Buildings