

A STUDY ON ROLES OF THE ALLEY AND GAP SPACE BETWEEN BUILDINGS IN GROUPS OF HOUSES IN DENSELY BUILT-UP AREAS

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Introduction

A study on space around the dwelling unit gets results. But, much less work has been done on town structure characterized by the alley and their roles in communication among neighbors and daily activities. Moreover, there is no study that positively supports the alley and gap space born by rebuilding.

The purpose of this study is to make clear roles that are characteristics of the space and behavior in the alley and gap space between buildings in Nezu Tokyo (figure 2).

Methods

- ① He extracted four types of groups of houses from the site and drew their plans on the basis of survey (figure 3).
- ② He collected questionnaires and interviewed about communication among neighbors and daily activities.
- ③ He examined usage of space and goods that was placed in the alley and gap space.
- ④ He observed residents' behavior.

Results

- ① In groups of houses, there is a unity of life (figure 4).
- ② There are three roles read from existence of alley and gap space.
 - a) As buffer zones between houses.
 - b) As passing ways and a network of district (figure 5).
 - c) As ventilation and access of sunlight (figure 6).
- ③ There are three roles read from behaviors in alley and gap space.
 - a) As a communication space (figure 7,8).
 - b) As places for goods promoting the interaction between residents.
 - c) As a shareable and selectable space (figure 9).

Conclusion

Nowadays the consciousness in the neighborhood relation is decreasing. Under such circumstances the alley and gap space give a possibility for building relationships between residents. So, they will probably be useful for planning a new style of houses. But, they also have a bad side. They can be space that lost their function, give an unpleasant feeling or cause excessive interference.

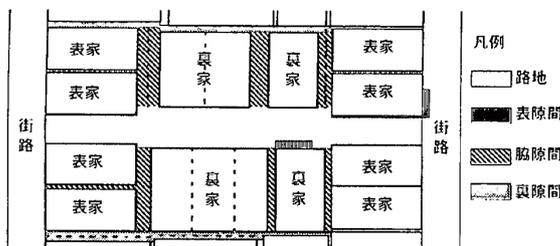


figure 1 alley and gap space

alley : A road with a width of 2.5 meters or less.
A car can not pass that.



figure 2 Site



figure 3 four types of groups of houses

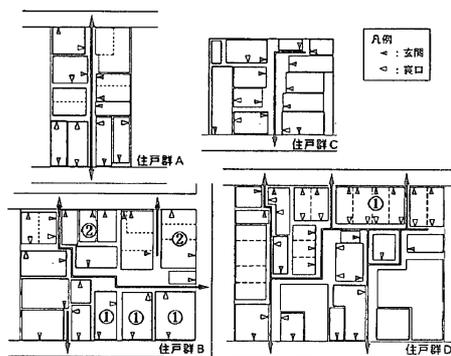


figure 4 flow diagram

There is relation

- ① between a front house's back door and a back house.
- ② between a front house's window and a back house.

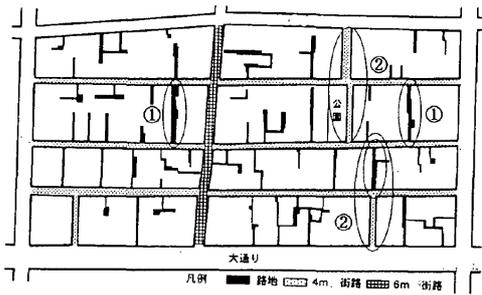


figure 5 network

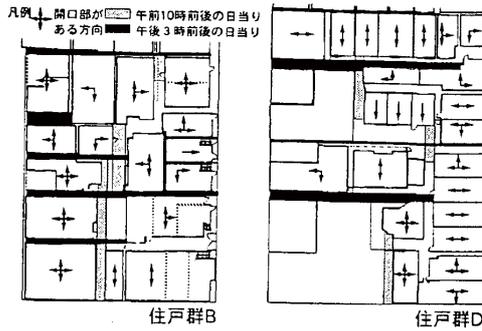


figure 6 sunlight

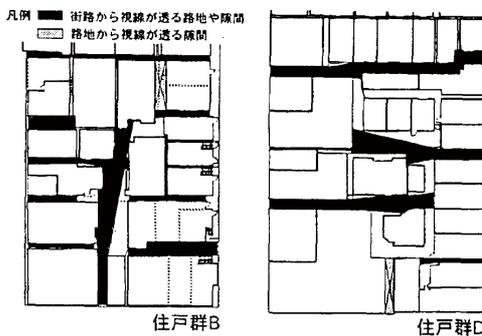


figure 7 line-of-sight

家族: m43-f38-f13-f10 居住歴: 12年 住宅形式: アパート 職業: 専業主婦	家族: m31 居住歴: 2年 住宅形式: アパート 職業: 会社員	家族: f52-m26 居住歴: 34年 住宅形式: 一戸建て 職業: 自宅で雑貨店
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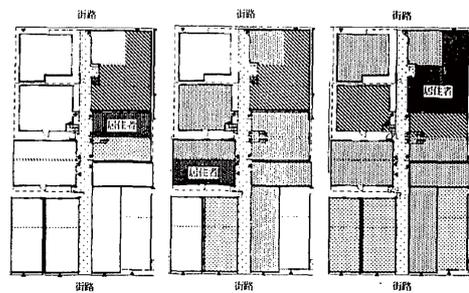


figure 9 difference in communication

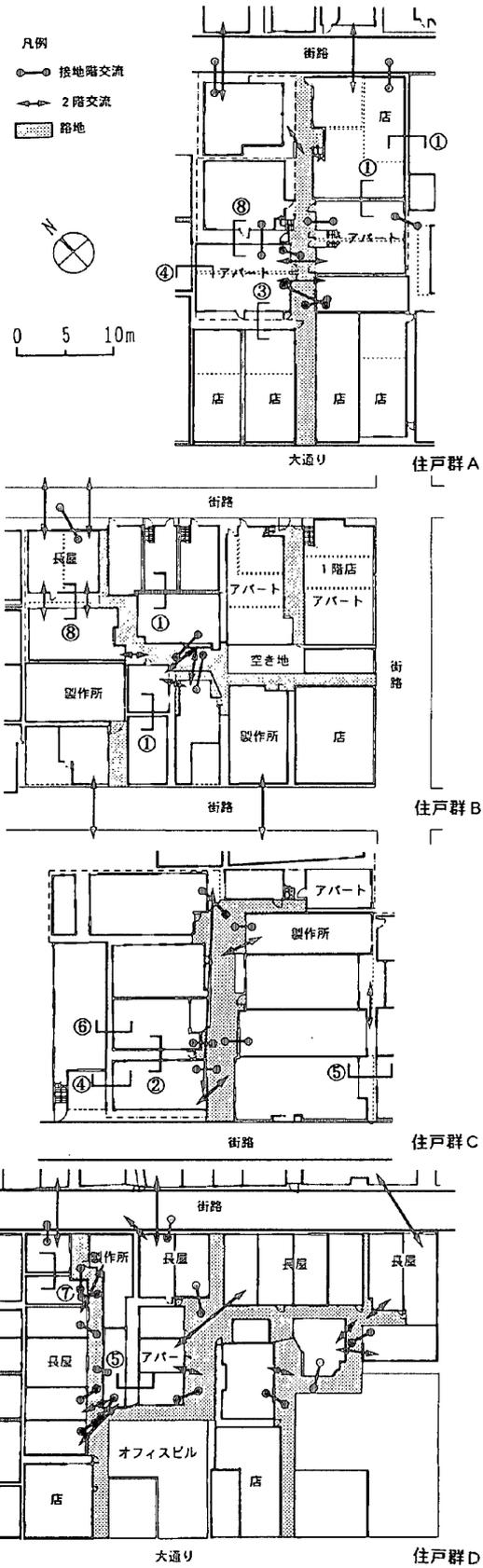


figure 8 communication