



한옥활성화를 위한 신한옥 모델개발 연구 (2)

— 한옥 물사용서비스공간 리모델링 우수사례 —

Developing Design Models for Revitalizing Hanok (2)

— Kitchen, Bathroom and Other Facilities —

이강민 Lee, Kang Min

여혜진 Yeo, Hae jin

이민경 Lee, Min Kyoung

구본현 Gu, Bon Hyeon

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SUMMARY

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This research aims to study remodeling methods of Hanok focusing on 'Kitchens, bathrooms, utility rooms, and boiler rooms'-spaces that the remodeling processes most likely to occur and provide opportunity to show modern lifestyle fused with the traditional Hanok. The object of the research is to provide practical information on the improvement of living environment for Hanok dwellers by collecting and analyzing visual information such as pictures and plans along with other supporting materials of Hanok remodeling precedents that adapted the modern lifestyle, at the same time preserving Hanok's traditionality.

The 16 various 'residential Hanoks' in Seoul's Hanok area with active remodeling processes were selected, and based on their site dimensions, they were classified into the four scales-extra small(under 90m²), small(91m² ~ 150m²), medium(151m² ~ 200m²), and large(over 200m²). Also, the remodeling methods and characteristics of the kitchens, bathrooms, utility rooms, and boiler rooms were closely examined.

The kitchens are most actively modernized than any other spaces in Hanok. For example, the DK method is used for people who are more accustomed to the modern western apartments. Inserting complex doors between a kitchen and a main hall expands the physical space and function of the hall, and applying the built-in system allows compact installation of a work table with multiple functions. Also, extending interior and exterior

circulation of the kitchen allows it to connect with a yard, and a service room or a low wooden bench makes both sedentary traditional and western lifestyle possible. A temporary kitchen between a guesthouse and exterior spaces for cleaner maintenance, disperses the functions of a kitchen, gradually expanding its functions from just as a dining area to an independent open-living space.

The bathrooms are remodeled to promote the convenient use and maintenance. The previous small bathrooms are replaced or expanded to meet family members' interior circulation and their lifestyle. Bathtubs are introduced by adjusting the floor level, and independent exterior spaces or a entrance space was created by connecting the bathroom to a backyard. For more pleasant and hygienic maintenance, bathroom spaces are divided into dry-process space with sink and toilet and wet-process space with bathing area with a shower booth. Moreover, modern facilities and systems like mechanical ventilation (ex. a wall-mounted radiator and a wall-fan) are utilized to accommodate more comfortable bathrooms.

The utility rooms are built in various ways by using different height levels and underground spaces. Attic which can utilize Hanok's upper level space, can be used as a storage, an informal bedroom, a children's playroom, and a study room, etc. Because it is important to secure storage spaces for people who choose living in Hanok over the modern apartment, various solutions for securing them by utilizing Hanok's small empty spaces are explored.

The physical space of the boiler rooms in Hanok tend to be reduced due to the improvement of the boiler's system and function. The characteristics of equipment rooms are that it is located at streetside where is easily approachable from outside for the convenient maintenance, and that it is integrated at one space. The boiler rooms do not require a significant physical change. However, the equipment rooms-almost a separate temporary building that is built mostly from unplanned extension and alteration of Hanok, are removed. Instead, they were installed on a low wall under eaves, between a building and a wall, or in a storage under a kitchen, and a shielding facility is installed for more convenient maintenance.

Keyword: Hanok Remodeling, Kitchen, Bathroom, Other Facilities