

## 범죄예방 건축기준 개선방안 연구

A Study on the Improvement of Crime Prevention Building Criteria

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SUMMARY

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In December 2018, the "Enforcement Decree of the Building Act" was amended to include "Multi-family housing, Apartments (less than 500 households), Tenement houses and multiplex housing" in Crime prevention compulsory building. Therefore, it is urgently required to prepare crime prevention building standards for multi-family housing, multiplex housing, etc. The purpose of this study is to propose a 'Crime Prevention Building Criteria Notification' reflecting the expansion of the buildings subject to the crime prevention obligation, and analyzing the economic effect of crime prevention building criteria

In order to elucidate 'Crime Prevention Building Criteria Notification' we analyzed the problems of the current notification through analysis of public opinion survey, precedent literature, and change of circumstances. In May last year, the Citizens' Rights Commission conducted a survey on public safety related to building construction, and found that the blind spot of building is the most vulnerable to crime. Also, citizens responded that CCTV installation, lighting, blind spots, and isolation zones were important in order to prevent crime. As a result of reviewing opinion results, literature review and changes in social conditions, it is necessary to establish crime prevention building standards for the objects to be extended, to prepare measures to enhance crime prevention performance for objects, and to improve crime prevention standards that reflect changes in social conditions.

In order to minimize crime anxiety about public toilets, the criteria for installation of emergency bell and CCTV in public toilets. Considering the facilities to which the

Crime Prevention Building Standard is applied, the standard was strengthened by expanding the scope to more than 100-generation apartment, and the vertical piping and meter reading equipment are additionally specified. For multi-family housing, multiplex housing and apartments of less than 100 households, we have established building standards that reflect the characteristics of the target buildings. In order to enhance the intrusion defense performance of the target buildings, a new clause on proving the intrusion defense performance standard is newly established.

As the revised 'Crime Prevention Building Criteria Notification' is applied, economic analysis was conducted for social agreement on strengthened crime prevention facility installation. The number of buildings subject to the obligation to be enforced in accordance with the amendment of the Enforcement Decree of the Building Act was calculated through the building statistics, and the costs were calculated based on the facility price and the installation unit price by classifying the crime prevention facilities by the compulsory application architecture. In order to estimate the economic benefits, we estimated the types of crime, the number of crimes, the social costs by crime types, and the rate of crime reduction, and calculated the crime reduction rate through the installation of crime prevention facilities. As a result, it can be confirmed that the total benefit from the application of the 'Crime Prevention Building Criteria Notification' is larger than the cost, and the installation of the crime prevention facility is economical.

The major contents of the 'Crime Prevention Building Criteria Notification' proposed in this study are as follows.

- Expansion of 'Crime Prevention Building Criteria Notification' Target
  - Strengthening crime prevention measures for apartments (over 500 existing households → over 100 households)
  - Strengthen standards for existing multi-family housing and multiplex housing, and apply the same criteria for office building.
- Ensure the effectiveness of existing standards
- Clarification of ambiguous terms
- Establishment of proof of intrusion defense performance standard

In the future, additional revisions should be made to the above-mentioned public toilet installation standards, fire safety, integrated building standards, and specific standards for proof of intrusion defense performance. This study suggests the establishment of a legal system for crime prevention that can integrate scattered crime prevention systems based on this analysis.