

Parameters of Safe Environment in High Density Residential Complexes in City Centers

ABSTRACT

Crime is considered one of the important phenomena which was studied on the world level. The interested (planners and architects) tried hard on this phenomenon to establish security. The study of city centers is very important especially those of high population density because of the effect of this phenomenon on human behavior and his sense of security. The research is diagnosed as special

تثافة لمراكز المدن	عالية ال	السكنية	للمجمعات	الآمنة	البيئة	محددات

د.هدی عبد الصاحب العلوان مبس محمود مخلف

cognitive problem dealing with ingenerality of scientific knowledge about the parameters of safe environment in high density residential complexes in city centers and the effect of crime phenomenon in its different types and the absence of a clear image of what the housing environment had to be in order to be more safe and secure for living. As a result the aim of this research is specified as an attempt to establish general knowledge over planning, designing and social indicators to attain safe environment. The research used the terms (territoriality, surveillance, privacy and social interaction) as supports in investigation of the solution to the research problem enlightened by a hypothetical image that the level of the residents' sense of security in residential complexes increases with the increase in organization at the planning, designing levels within the social parameters. Accordingly, a theoretical base on (crime) phenomenon is established through defining the main concepts, patterns, factors and theories related to it. The results of the research, in its theoretical aspect, led to clear mechanism in achieving the safety phenomenon. This mechanism is formed by applying the planning and designing indicators within the social limitations in high density residential complexes in city centers in order to innovate solutions to attain "Safe Environments"

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محددات البيئة الآمنة للمجمعات السكنية عالية الكثافة لمراكز المدن • Al-Haboubi,Raad,"Planning Out Crime " Montreal,1982. Angle , S.,"Discouraging Crime Throuh City Planning " Berkeley: Institute of Urban & Regional (Environmental Psychology)

University

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California, 1968.



- Mawby, J.B. " Crime and Urban Pattern" Sociological Review 16,1977.
- Newman, O. & Franck, K. " Factors Influensing Crime & Instability in Urban Housing Developments ", Washington, DC, GPO, 1980.
- Newman ,O." Defensible Space: People and Design in the Violent City, "Architectural Press , London , 1977.
- Porteous, J. " Microspace Behaviour: Home Range " in Environment and Behavior : Plsnning and Everyday Life, 1977.
- Reppetto .T.A. " Residential Crime " Cambridge , Mass ,Ballinger ,1974.
- Rubenstein, H. & Murray, C. & Motoyama ,T. & Rouse, W.V. & Titus ,R.M." The Link Between Crime & the Built Environment "
 The Current State of Knowledge .I, National Institute of Tustice , Washington , DC, GPO, 1980.
- Wilson, S. & Hunter, J." Updating Defensible Space" Architects Journal, October 11, 1978.
- Zahm, Diane, "Security by Design", John Wiley& sons, Ltd, U.K., 2008.

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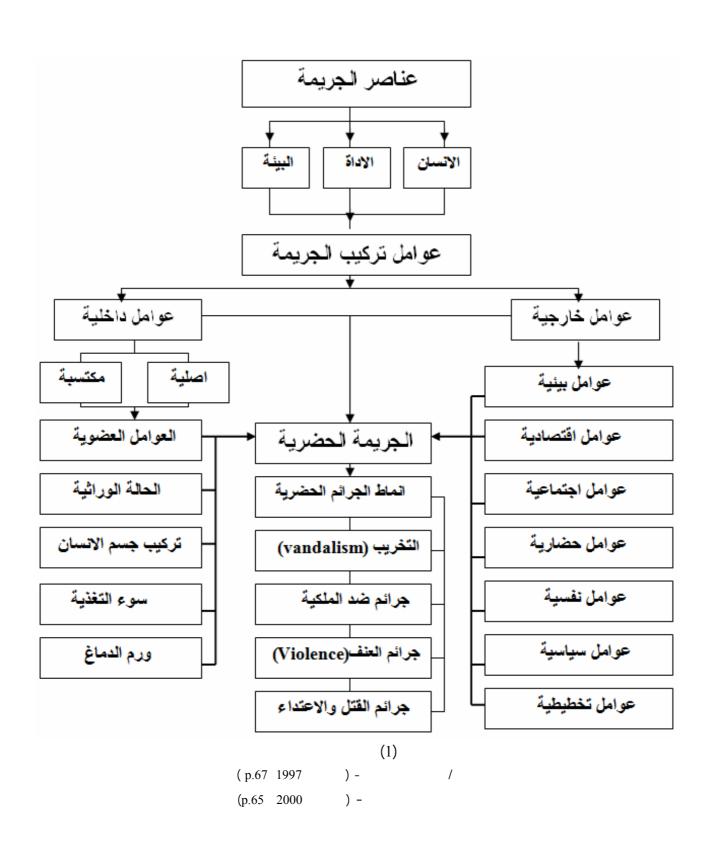
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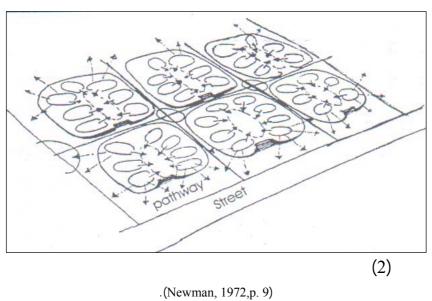
.1999 .

- Ardery,R. "The Territorial Imperative" New York: Dell Publishers Co ,1966.
- Boggs, Sarahl ."Urban Crime Patterns" American sociological Rev. .30, (A).1975.
- Clark ,R. "Crime in America". Third printing seman and shuster, N.Y. 1970
- Clinard, Msrshall B. "Sociology of Deviant Behavoir 3d edition", Rinhart and Winston, N.Y. 1968.
- Guide book, "National Crime Prevention Council" national institute of justice .Washington , D.C. 2003 .
- Goss, John "Utopia Versus Dystopia", John Wiley& sons, Ltd., U.K., 2006.
- Jacobs, Jane "The Death and Life of Great American Cities, New York: Mintage Books, 1962.
- Jeffery , C. Ray "Crime Prevention Through Environmental Design " Sage Publications Inc. Beverly Hill – London , 1972.
- John, A. & Jean, F.O. "
 Neighbourhood Withen the United States " European and North American Conference on Urban Safety and Crime Prevention , Canada , Montreal , 1989.
- Lang, "Creating Architectural Theory: The Role of the Behavioral Sciences in Environmental Design " Van Nostrand Company, New York, 1987.

ى عبد الصاحب العلوان محمود مخلف	د.هد:			لمراكز المدن	جمعات السكنية عالية الكتافة ا	محددات البيئه الامنه للم
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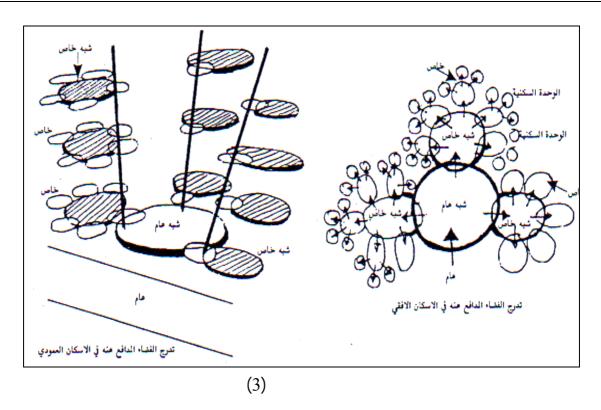
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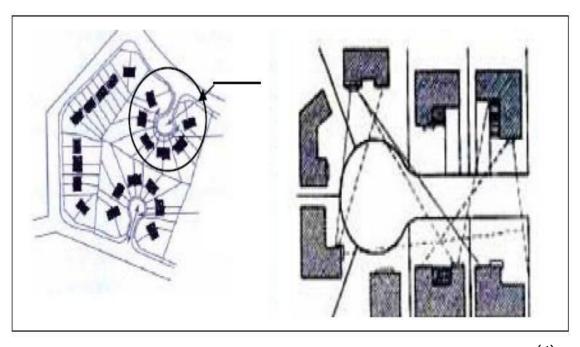
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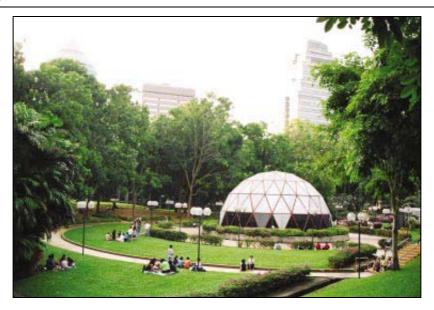


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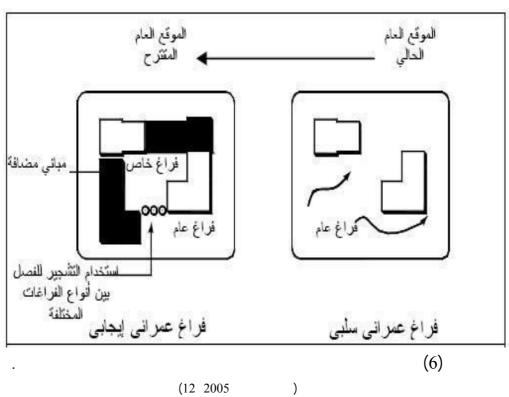
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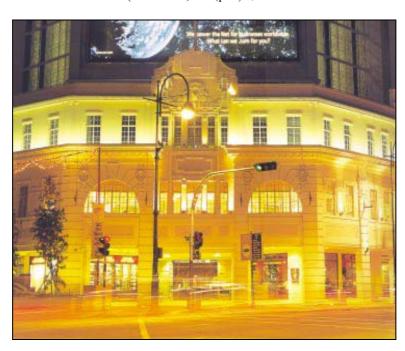




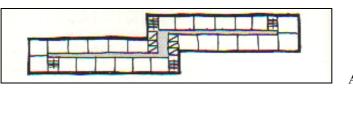


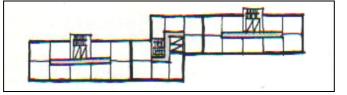
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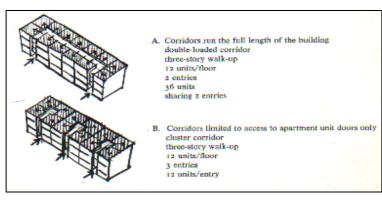
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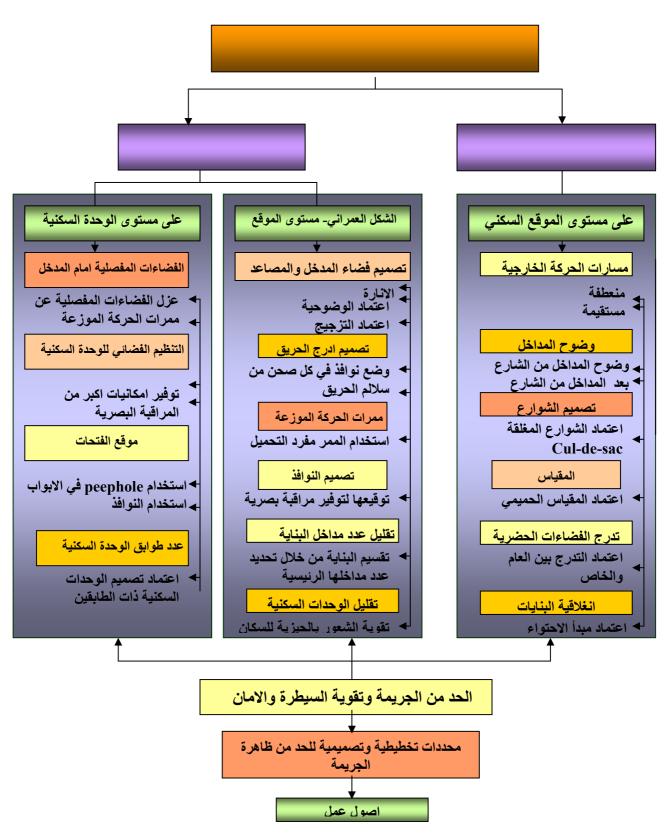
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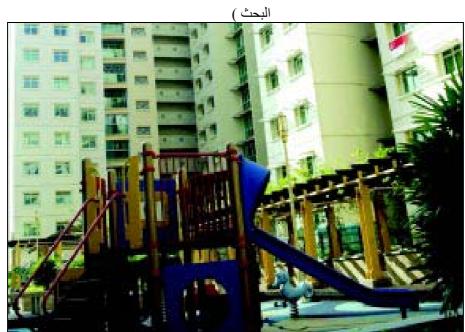
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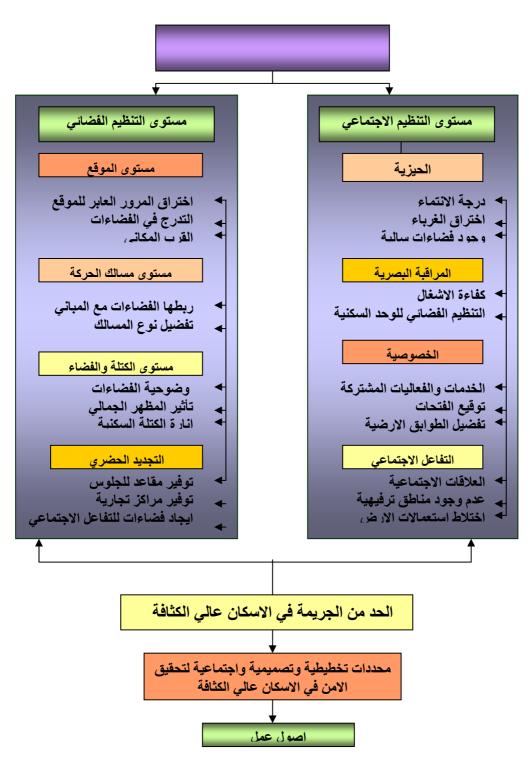
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