Mechanical mechanisms through working in details as a kinetic function of
the elements of the design process

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Abstract:
The process of establishing a comprehensive analytical structure is defined by the
symbolic and metaphorical aspect of the technical framework interpreted in the
working in details drawings. The tectonic representation of these drawings refers to
the principles of producing and assembling blocks that integrate the basic
components of the content of the design process; function, structure, and materiality
through a detailed arrangement without dissipating the intent or extent of the design
within the implementation of kinetic mechanisms in the late 20th century. The
Working details and technical drawings became an official language and an
operational approach to model designs recognized between the designers to display
ideas and express knowledge from one mind to another. They are reference
analytical codes to understand every detail concerning the structure and the
principles and joints governing the assembly of the unit as a whole. The
mechanical mechanisms are the technical and efficient elements, embedded within
the processes of the design and the production, to add a functional dimension to the
elements of interior architecture. Kinetic proprieties emerged as a multifunctional
dimension applying methods and elements of movement due to advances in
mechanics, electronics, and robotics. The practical part of the study done the
authors is represented in the working detailed drawings that analyze the wooden
structure of a classical unit. It demonstrates how to integrate mechanical
mechanism to the leaves of the cabinet in order to meet the user's needs. As a
conclusion, these units adopted the concept of kinetic movement as a technological
design strategy aimed to create adaptive types of interior elements and design
destinations that are efficient in form, flexible in structure and adaptable to the
diversity of purpose and multifunctional concept. As well as studying the
modification of the traditional system of interior architecture through the
implementations of kinetics.

Keywords:
technical drawings
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