

ARCHITECTURE: THE MAKING

by Vincent Marquardt

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Virginia Polytechnic Institute and State University in
partial fulfillment of the requirements for the degree
of

**MASTER OF ARCHITECTURE
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by Vincent Marquardt

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Architecture and Urban Studies

(ABSTRACT)

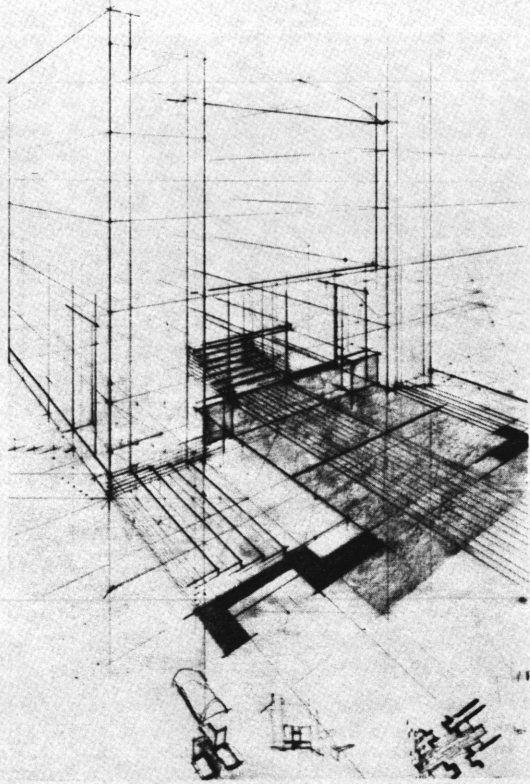
Significance in how the building is made.
To celebrate the materiality, the making, of Building is
to give it significance, meaning.
To make Building a meaningful work there needs to
be an inherent structure, order, to the work.
This order must be revealed and strengthened
through **harmony, articulation, and rhythm.**

ACKNOWLEDGEMENTS

To my Parents, without whom none of this would be possible.

To my Friends and Colleagues, whose support and criticism helped me through the rough spots.

To my Committee, whose advice and guidance made me see what I was doing all the more clearly.



c o n t e n t s

PRELUDE 1

HARMONY 2

ARTICULATION 8

RHYTHM 13

BIBLIOGRAPHY 23

VITA 24

p r e l u d e

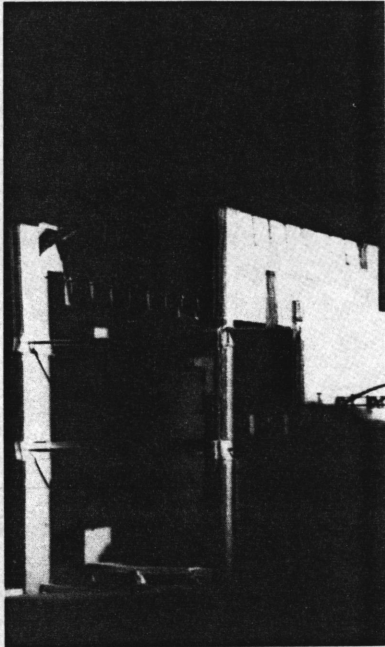
Architecture is a search for that which is beautiful: it is a way of expressing how we perceive our existence in the world. Through architecture, we bring order out of the chaos of Nature. The need for order is a fundamental need of Man.

In this search we must be able to use our knowledge of the Past, for the thoughts of our predecessors are valuable tools and necessary for any progress. It is in this light that I view my present education.

Architecture is a means by which Man makes his World meaningful. To make a building is more than an achieved end for the immediate need of shelter. In the making, "we open up a world," as Heidegger puts it. The Building stands on the ground just so, It reaches out against the sky in a certain way. The Building gives meaning to our existence by way of Its own existence: how It stands, how It touches the sky, how It makes a place. It need not "represent" anything at all; the meaning lies in the concrete reality of the Building.

I am beginning to appreciate the intimate link between two realms: one of Ideas and one of Things; of Understanding and of Imagination; of Conception and of Perception. It is through the making of Building, the process of creation, that this bond is realized.

Whereas earlier my method of working was a linear process in which the Idea was the beginning and the Object was the end, I now see that there must be constant dialogue between the concept and the thing. While the Idea is governed by a system of rules generated by the mind, the Object need only conform to the rules of making which originate from the materials and tools used.



h a r m o n y

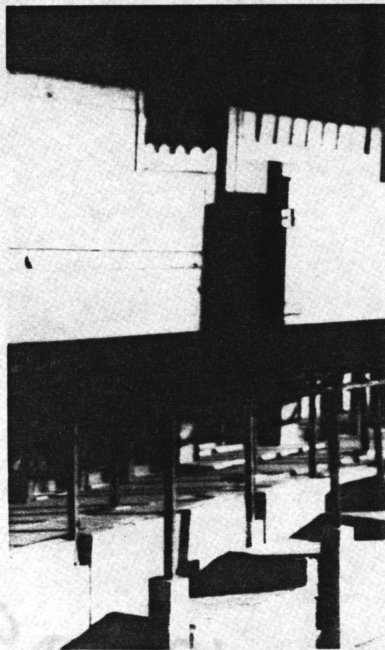
A CONCORDANCE OF ELEMENTS WHICH
BALANCE ONE ANOTHER

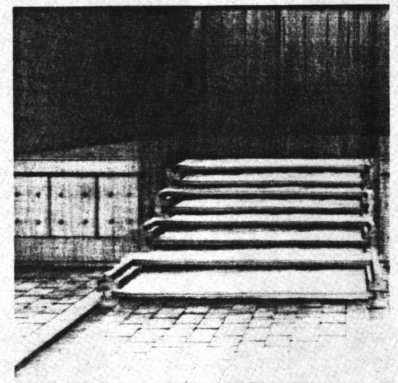
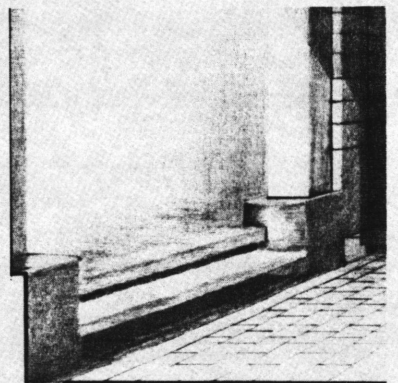
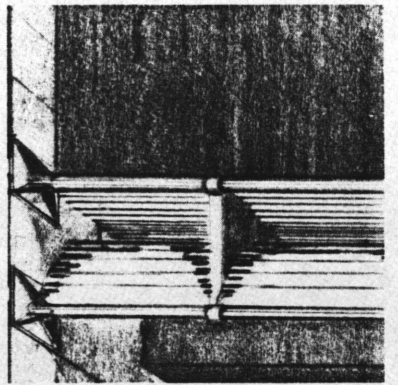
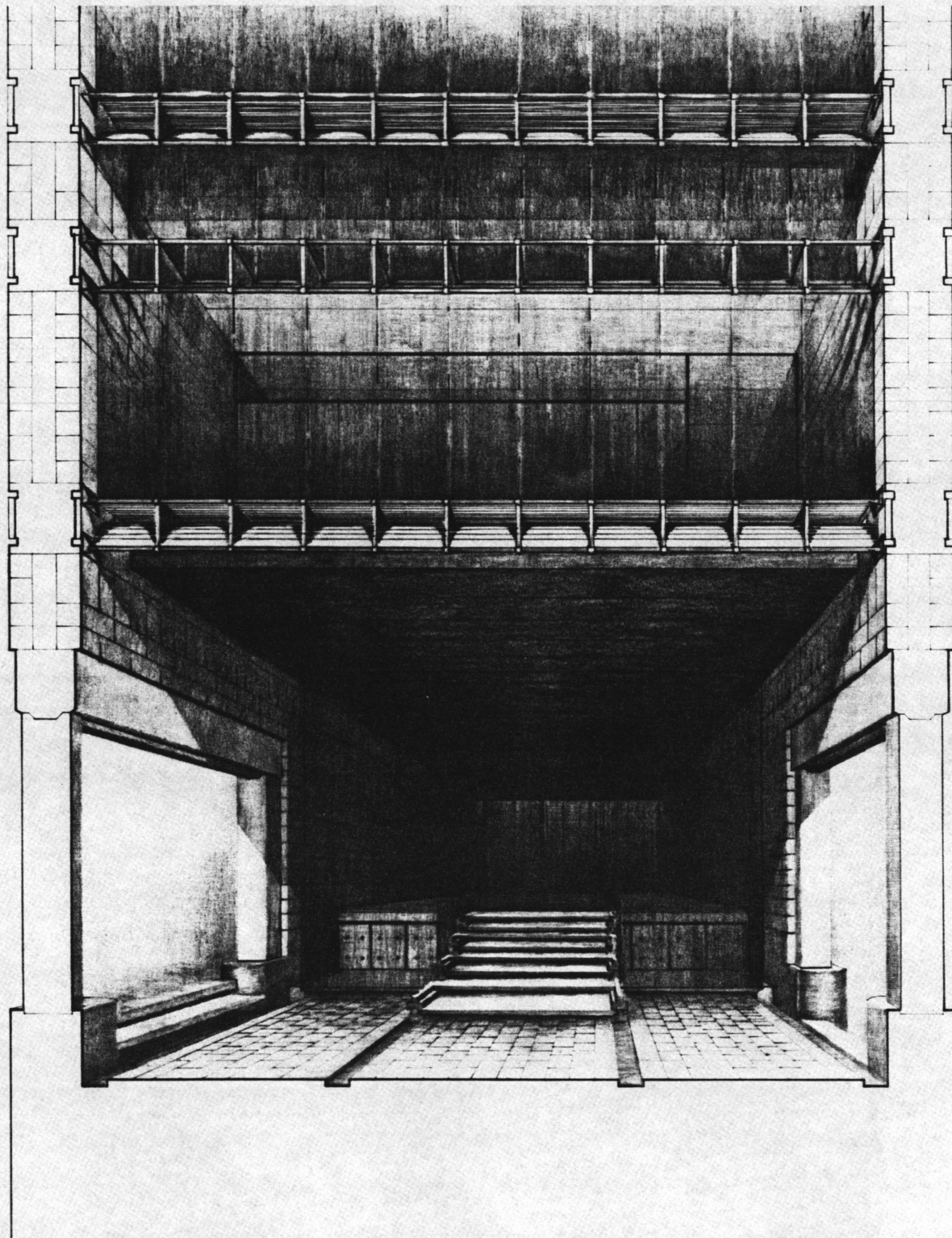
DUE PROPORTION OF MEMBERS NOT ONLY IN
RELATIVE SIZE BUT IN MATERIAL AND NUMBER

EACH ELEMENT SERVES TO ENRICH THE
WHOLE

THE ORDER (STRUCTURE) OF BUILDING IS
ILLUMINATED BY THE HARMONIC
RELATIONSHIPS OF THE ELEMENTS TO ONE
ANOTHER AND TO THE WHOLE

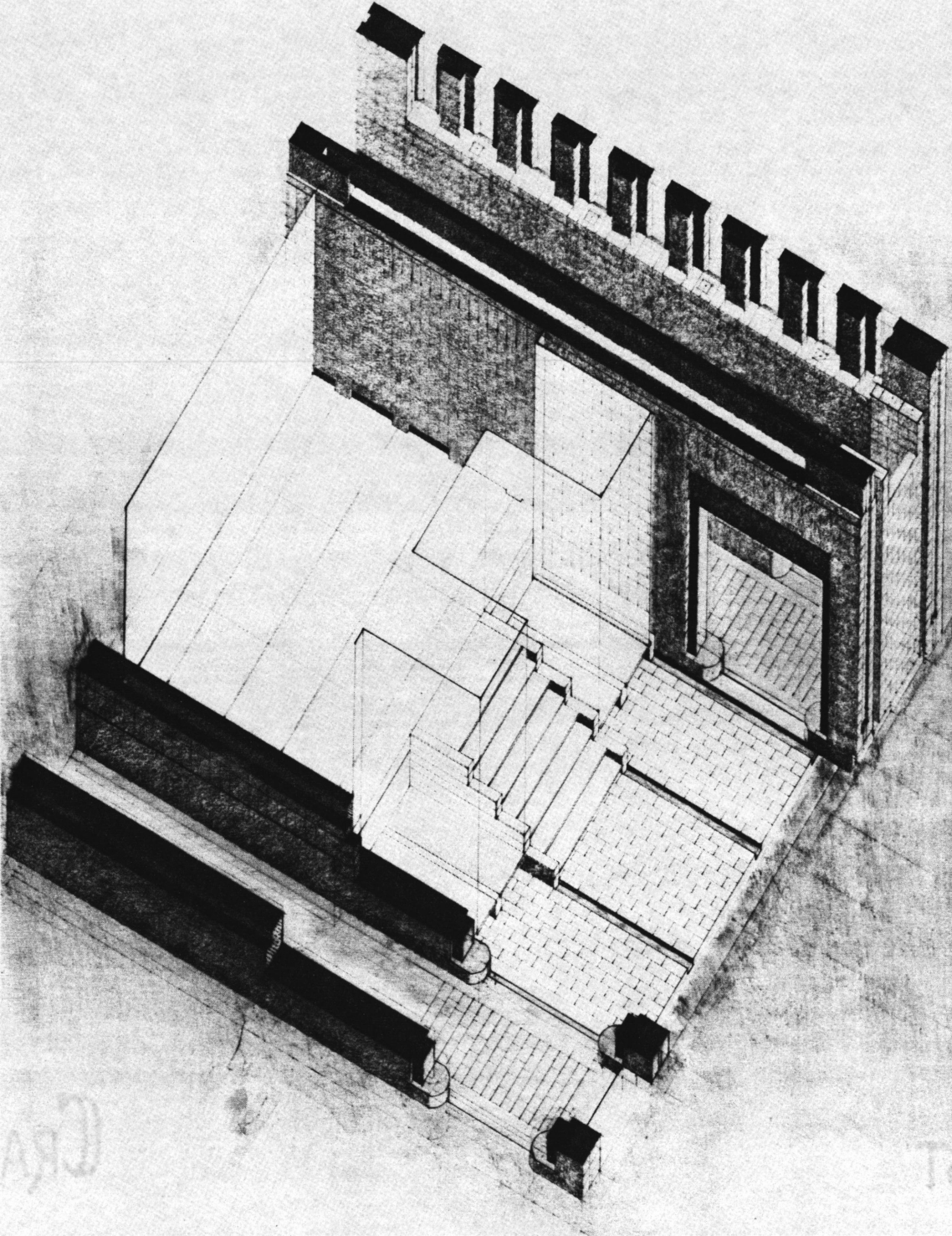
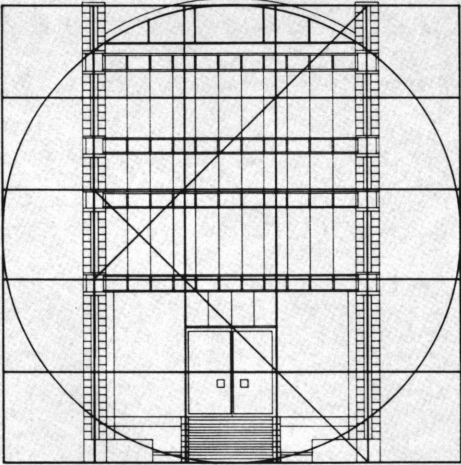
THROUGH THESE RELATIONSHIPS, A
CHARACTERISTIC RESONANCE IS PERCEIVED
WITHIN THE BUILDING ITSELF





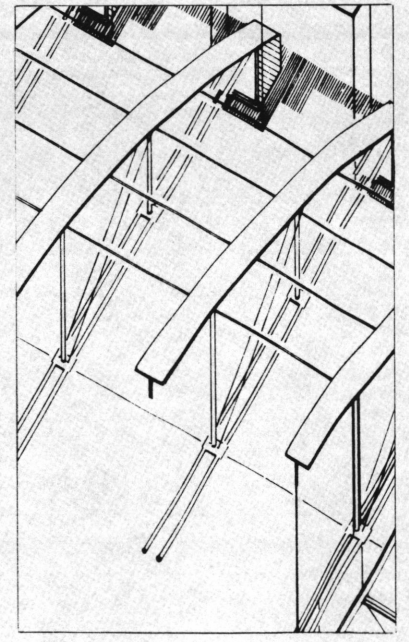
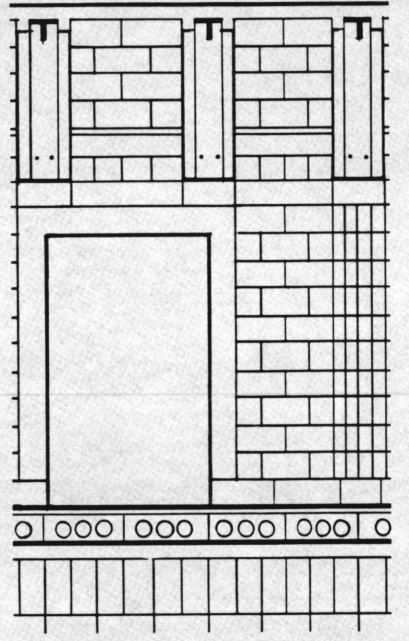
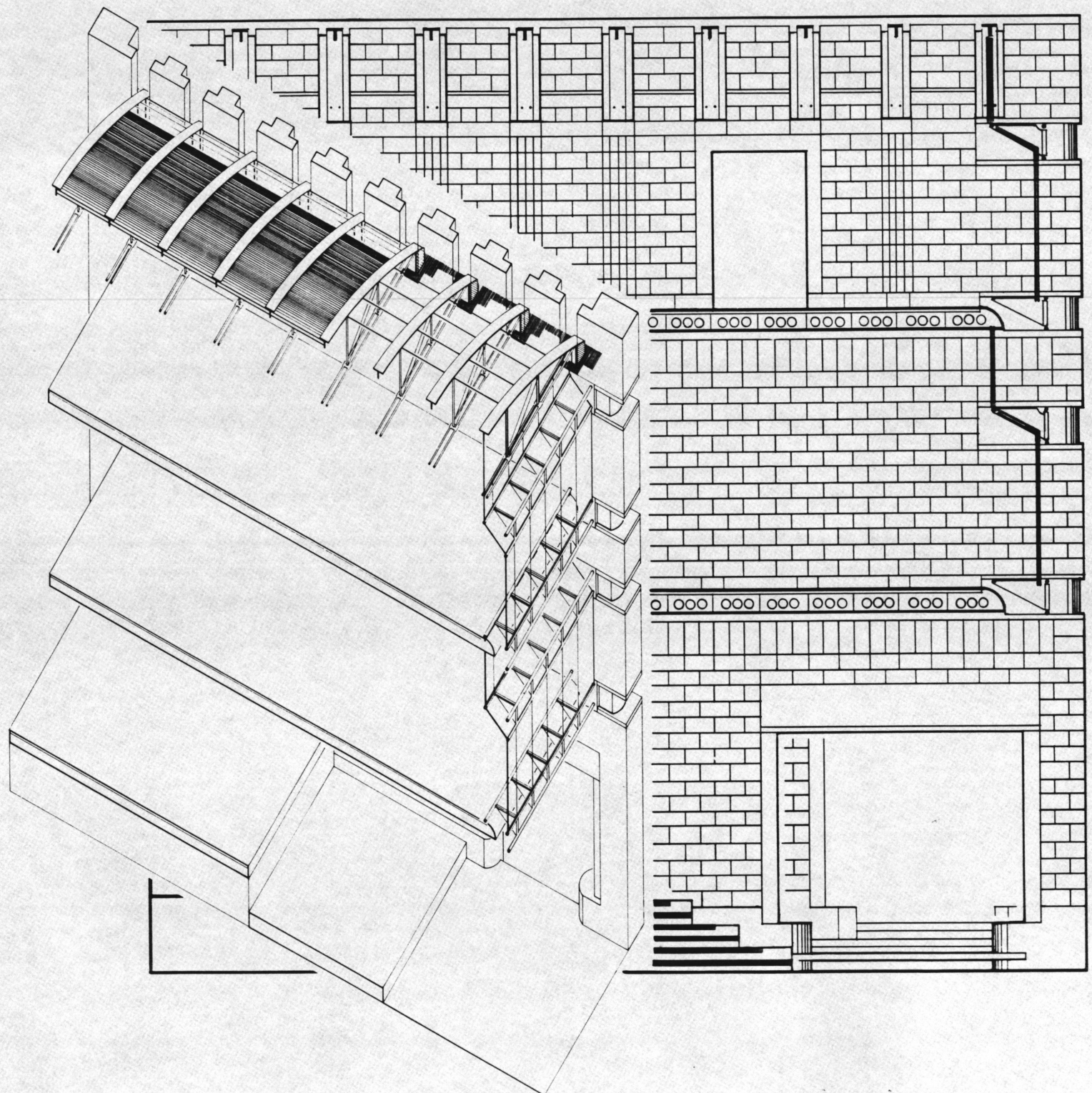
every part is
disposed to
unite with the
whole that it
may thereby
escape from its
own
incompleteness

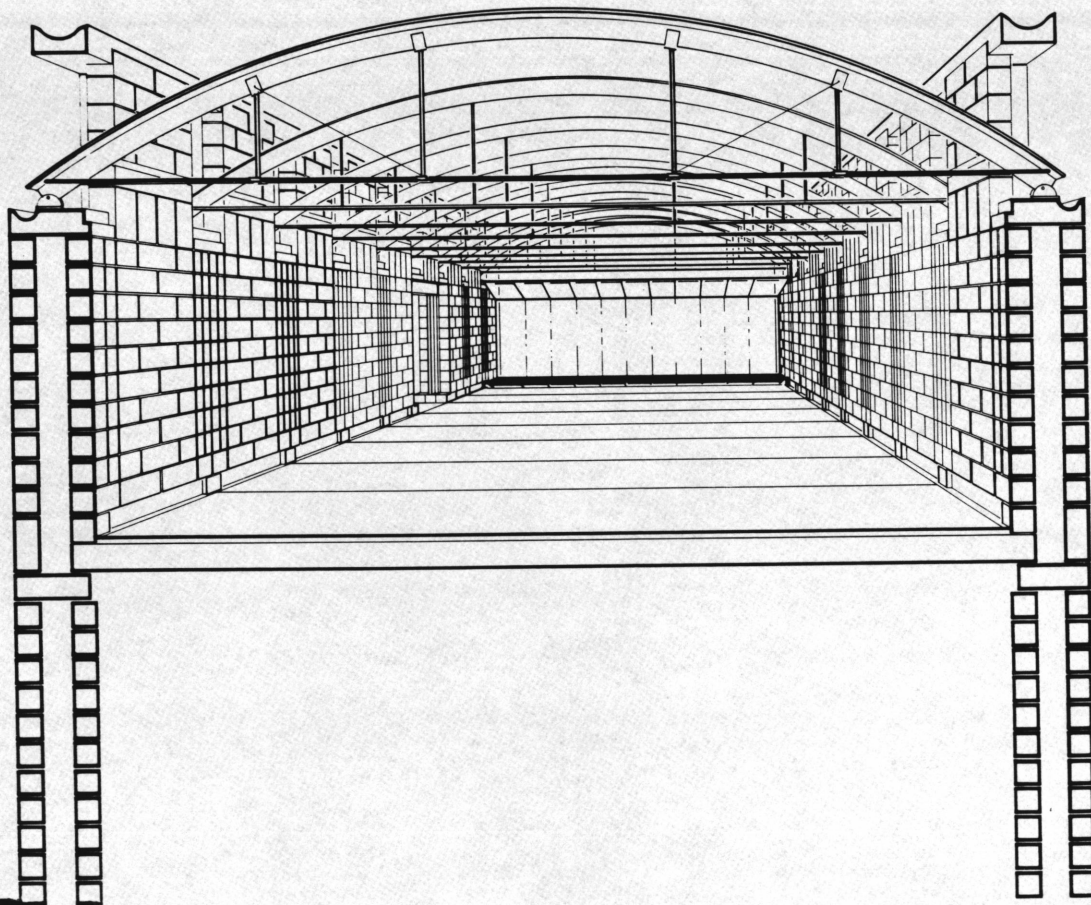
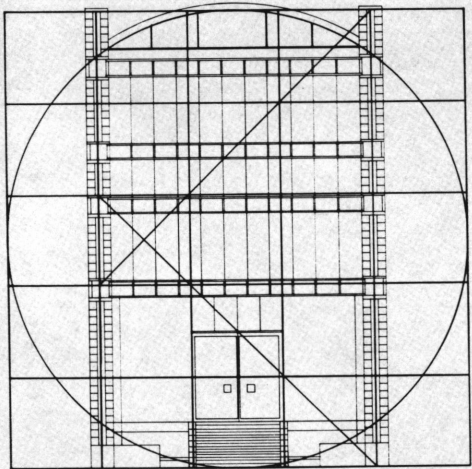
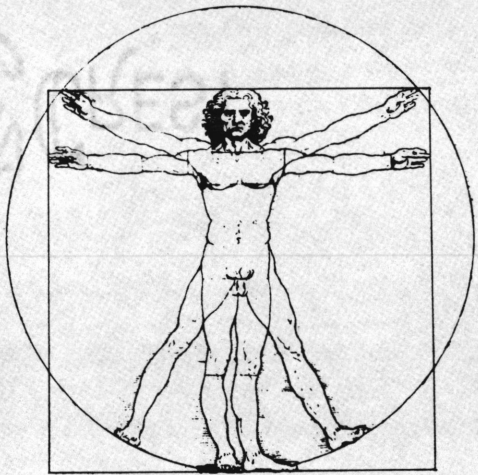
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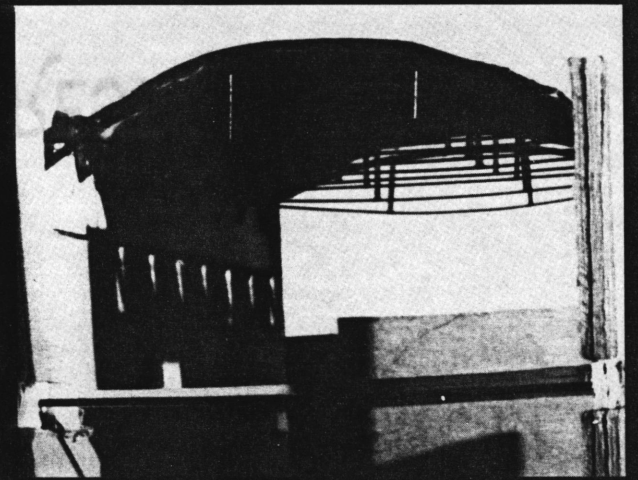


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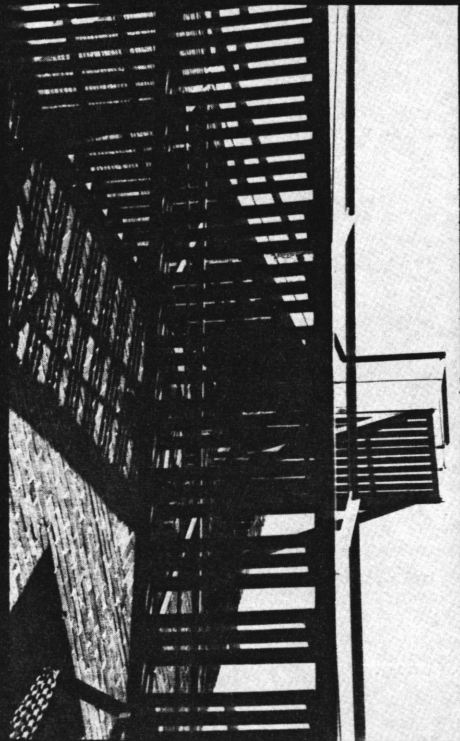


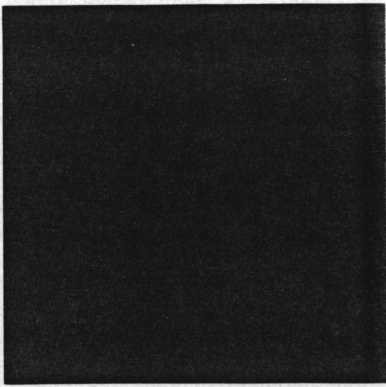
A HARMONIOUS BALANCE OF MATERIAL REALITIES

THE STRONG, SILENT, DOMINATING PRESENCE OF THE MASONRY WALL IS ANSWERED BY THE COLLECTIVE (CONNECTIVE) EXISTENCE OF THE STEEL MEMBERS

A BEAUTIFUL DIALOGUE BETWEEN THE STEEL AND THE MASONRY, THE TEMPORAL AND THE PERMANENT, IS BEGUN

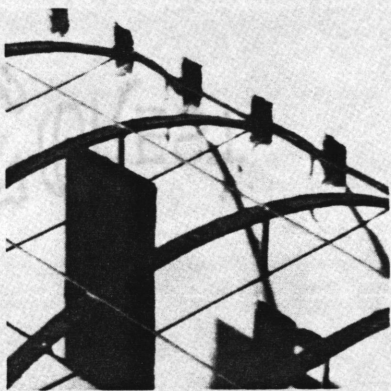
A SENSE OF ORDER IS REVEALED AND WONDERFULLY CELEBRATED



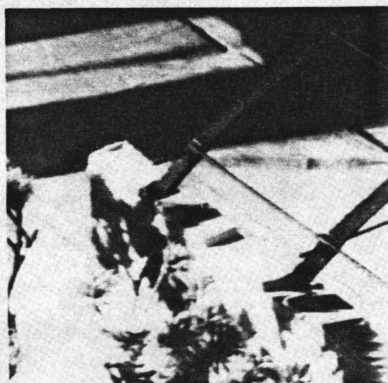


articulation

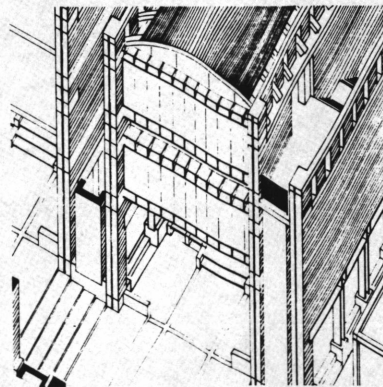
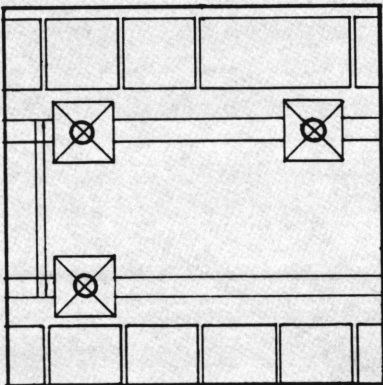
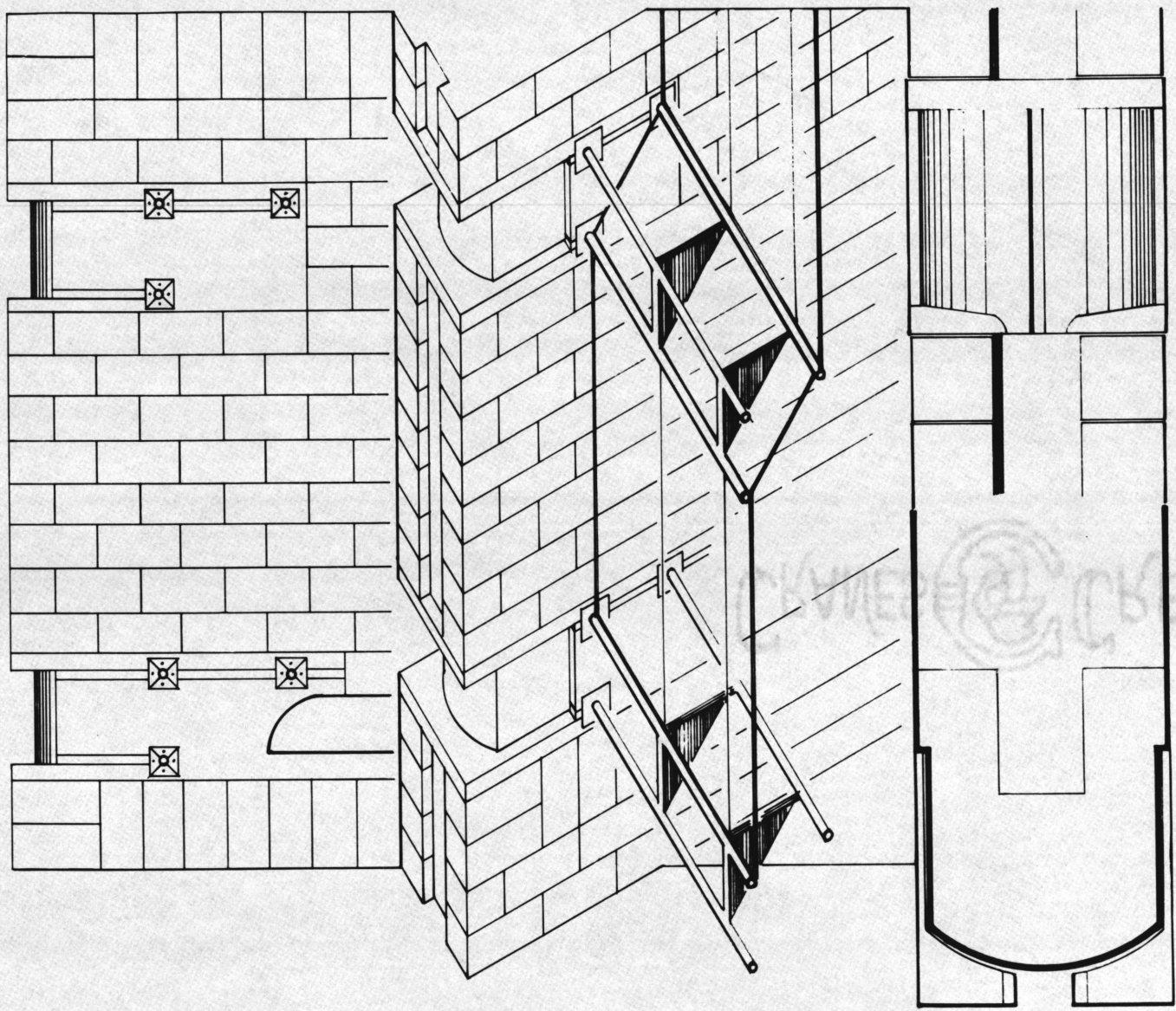
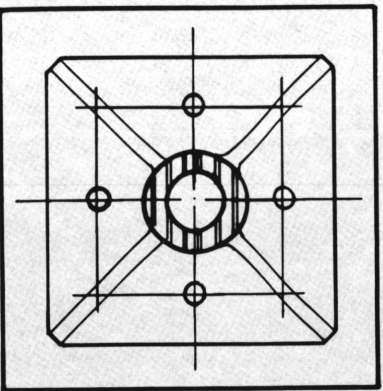
A CELEBRATION OF CONNECTION

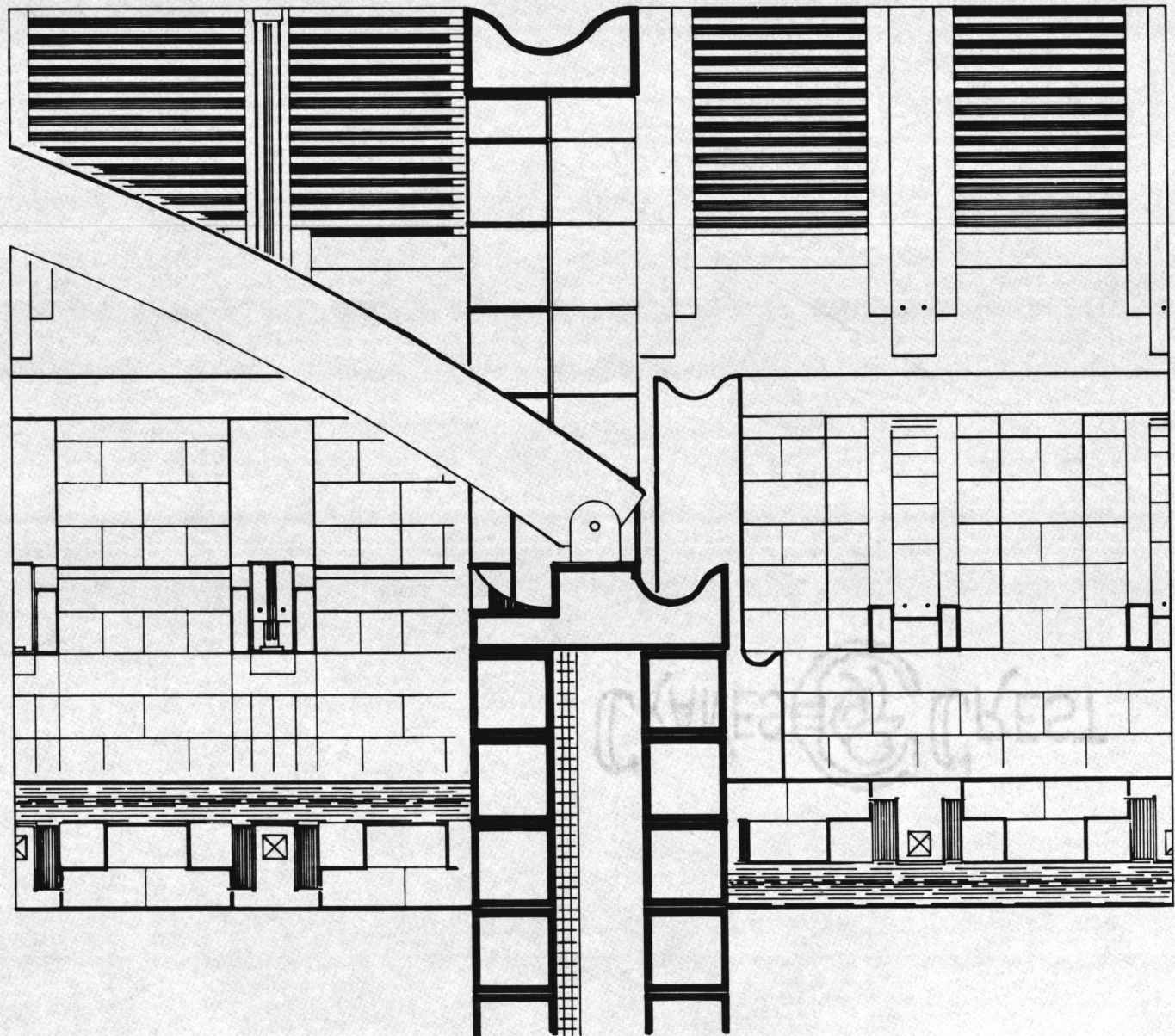
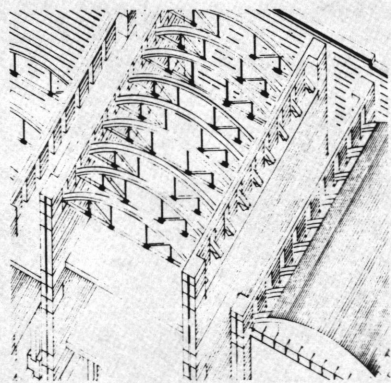
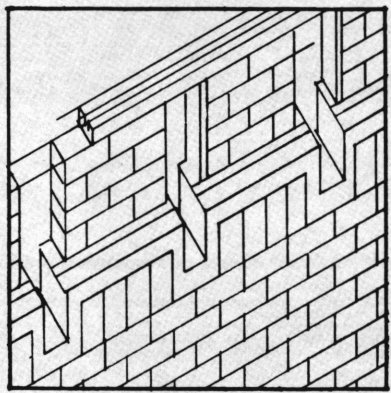
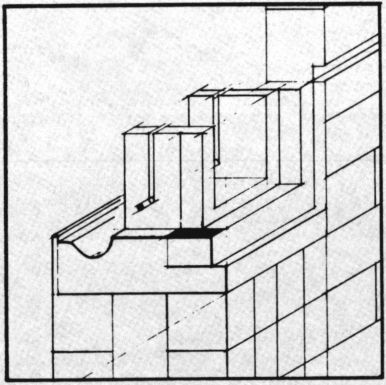


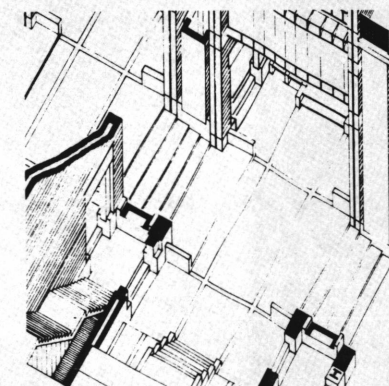
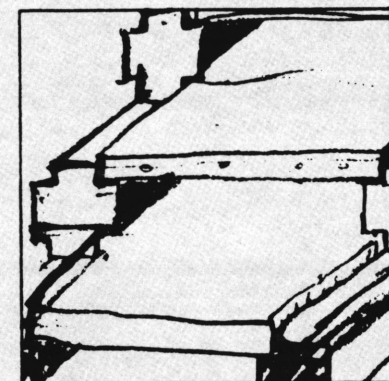
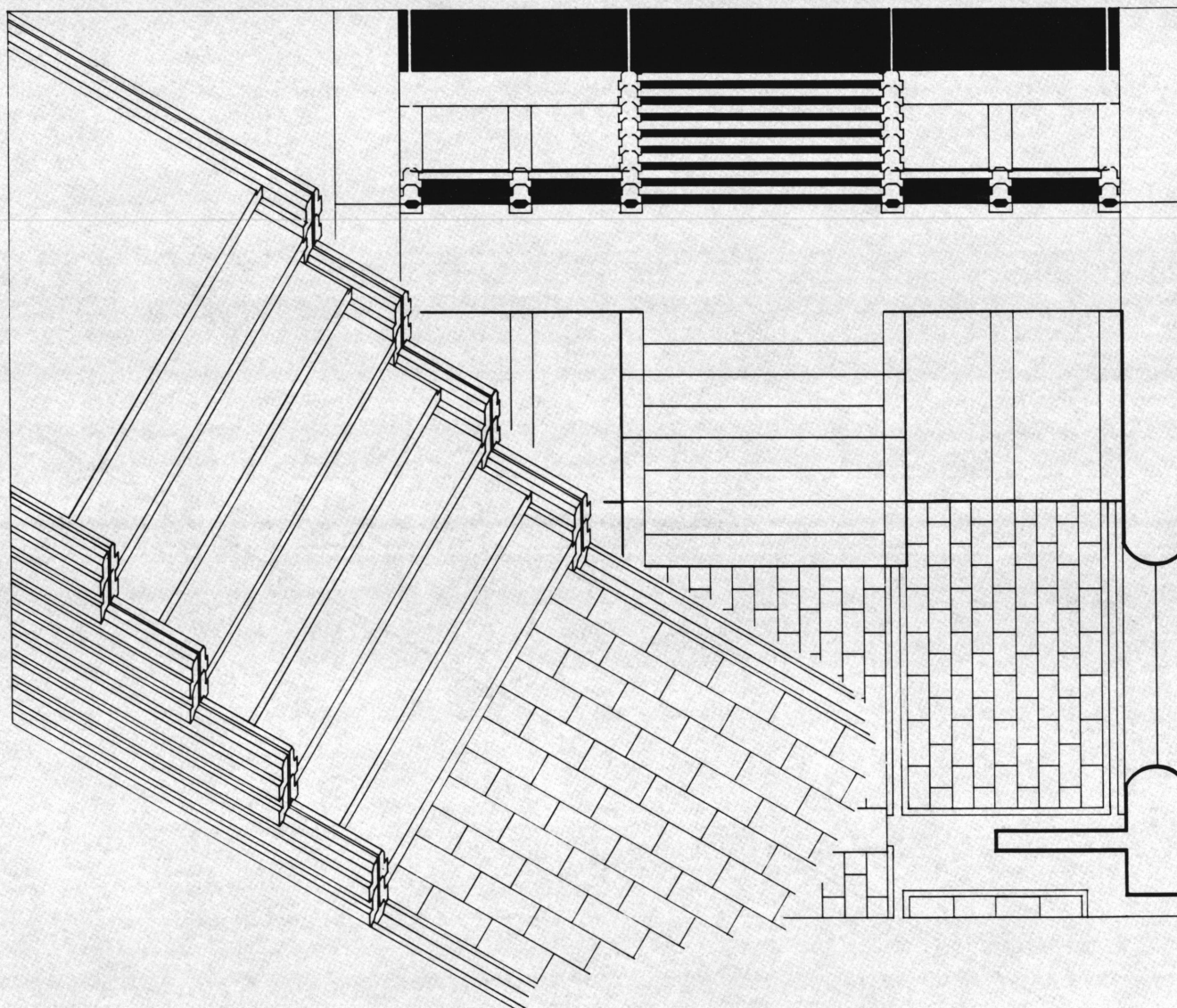
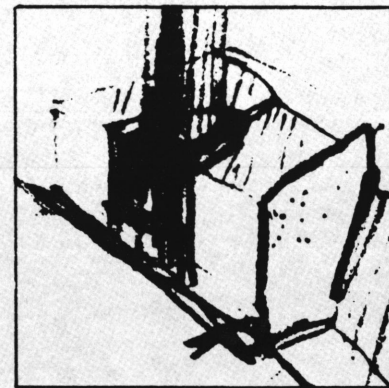
A CLARIFICATION OF THE INHERENT STRUCTURE
ON THE LEVEL OF THE DETAIL

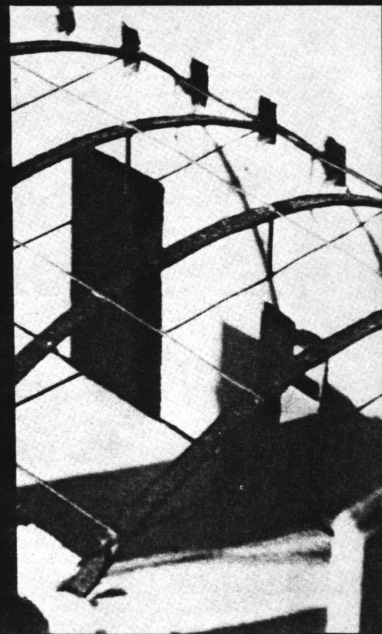
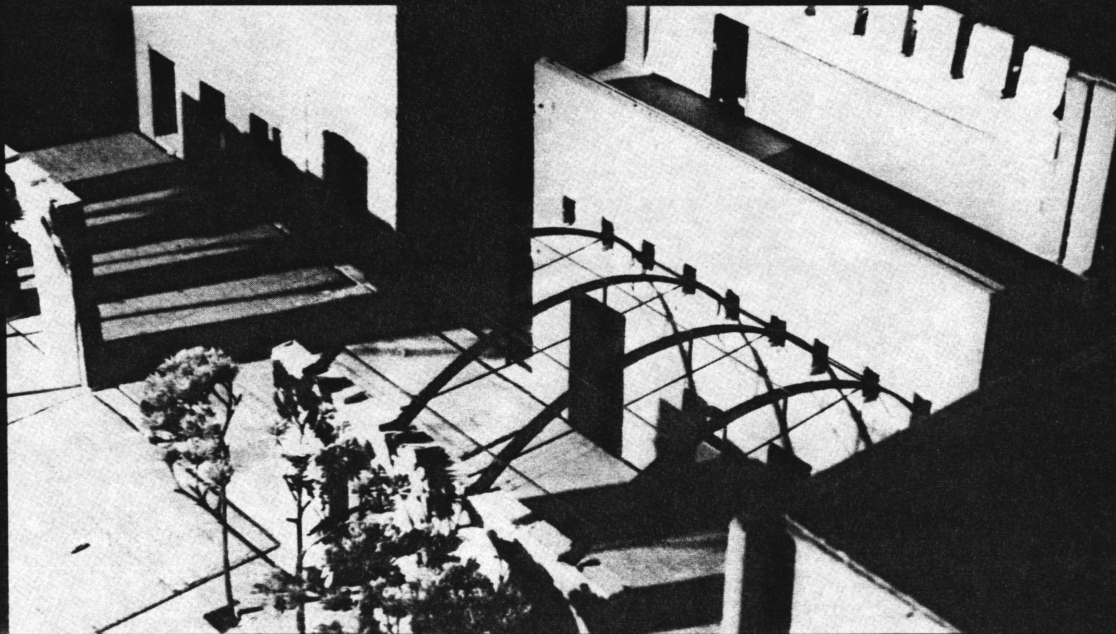


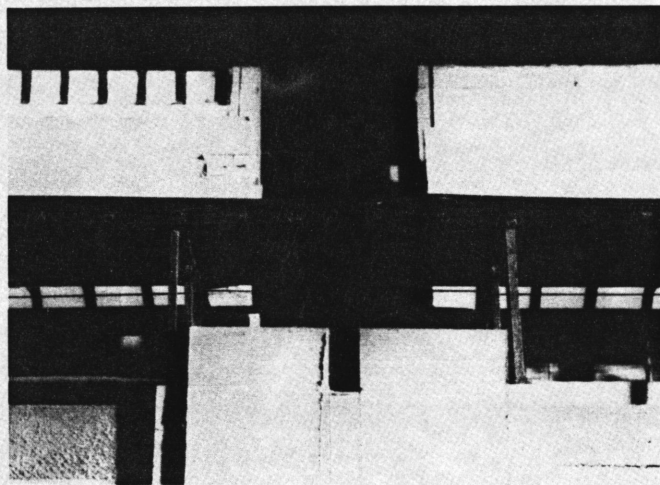
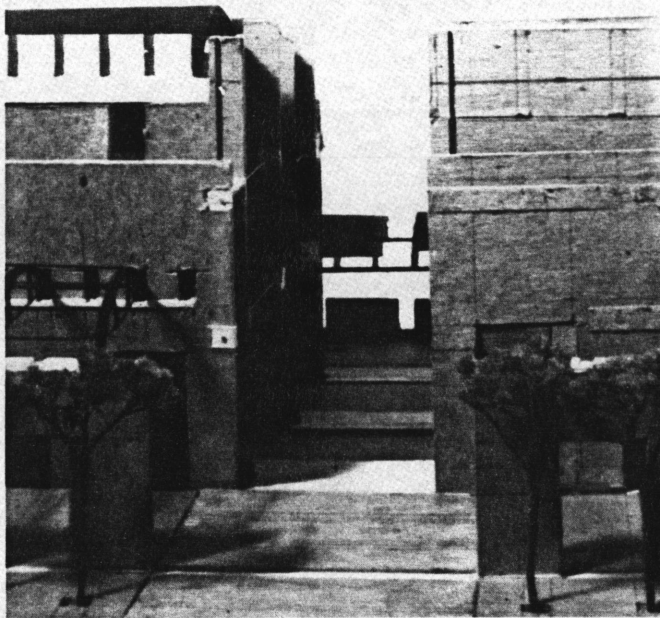
EACH ELEMENT DECLARES ITS OWN
UNIQUENESS WHILE ESTABLISHING ITS PLACE
IN THE HIERARCHY OF THE WHOLE







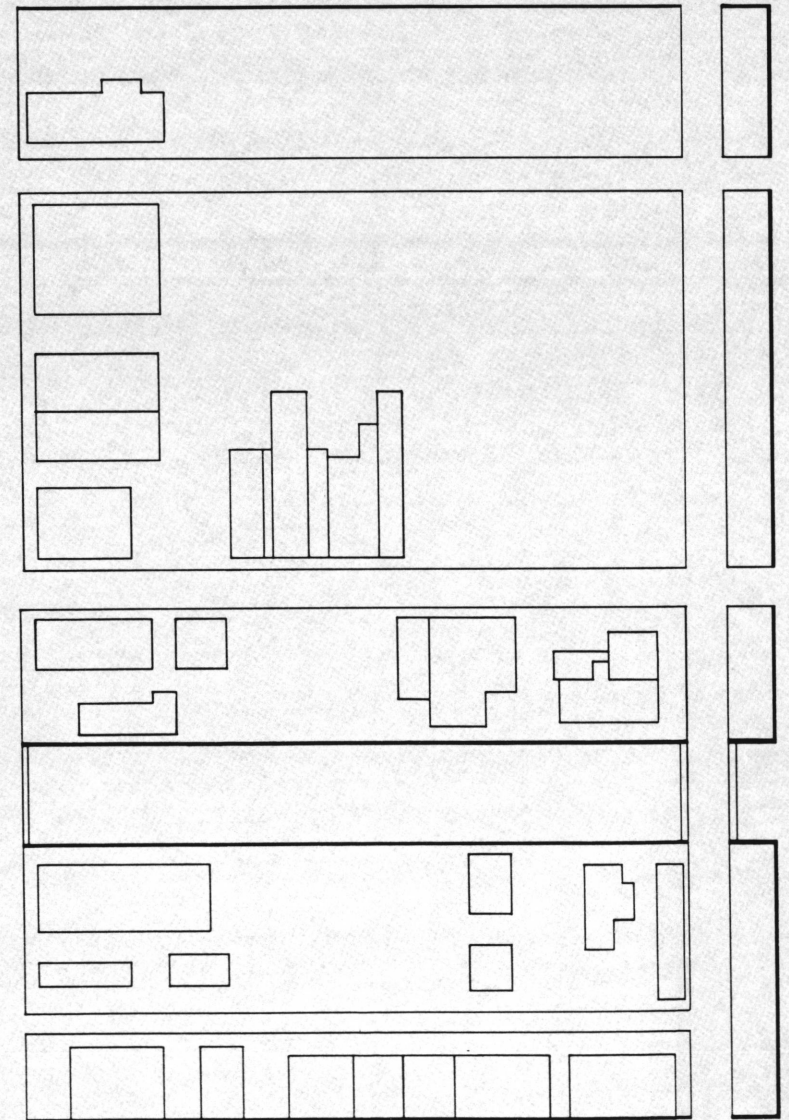
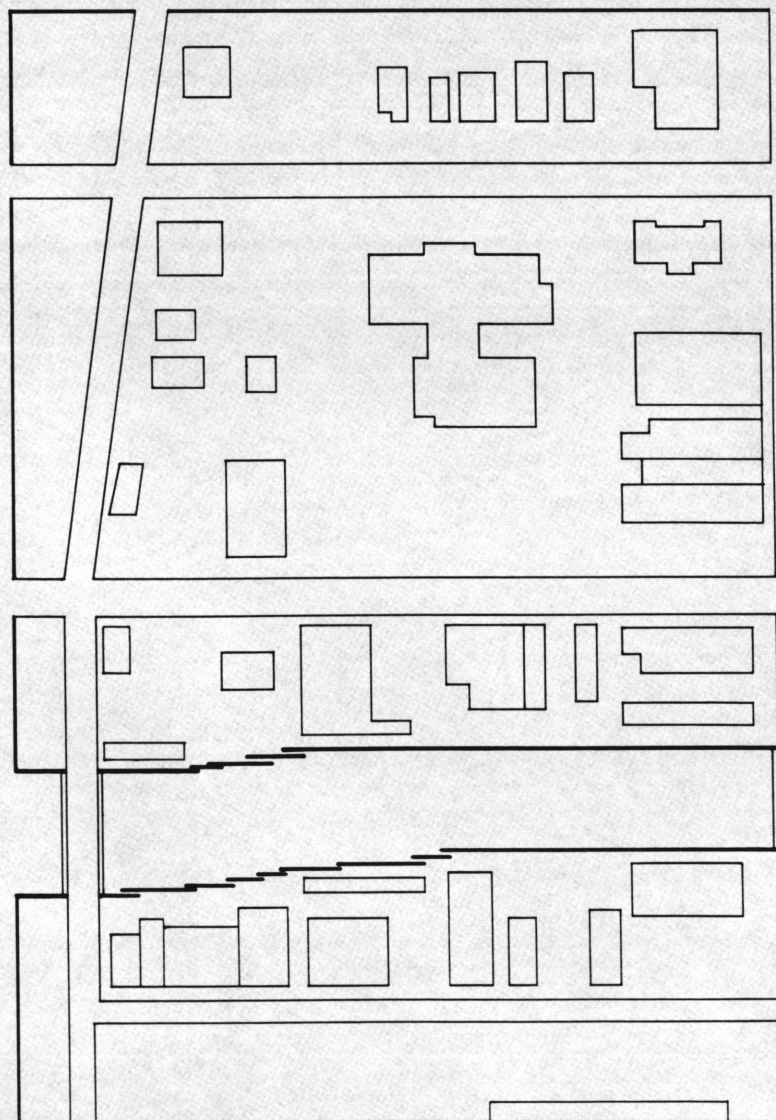
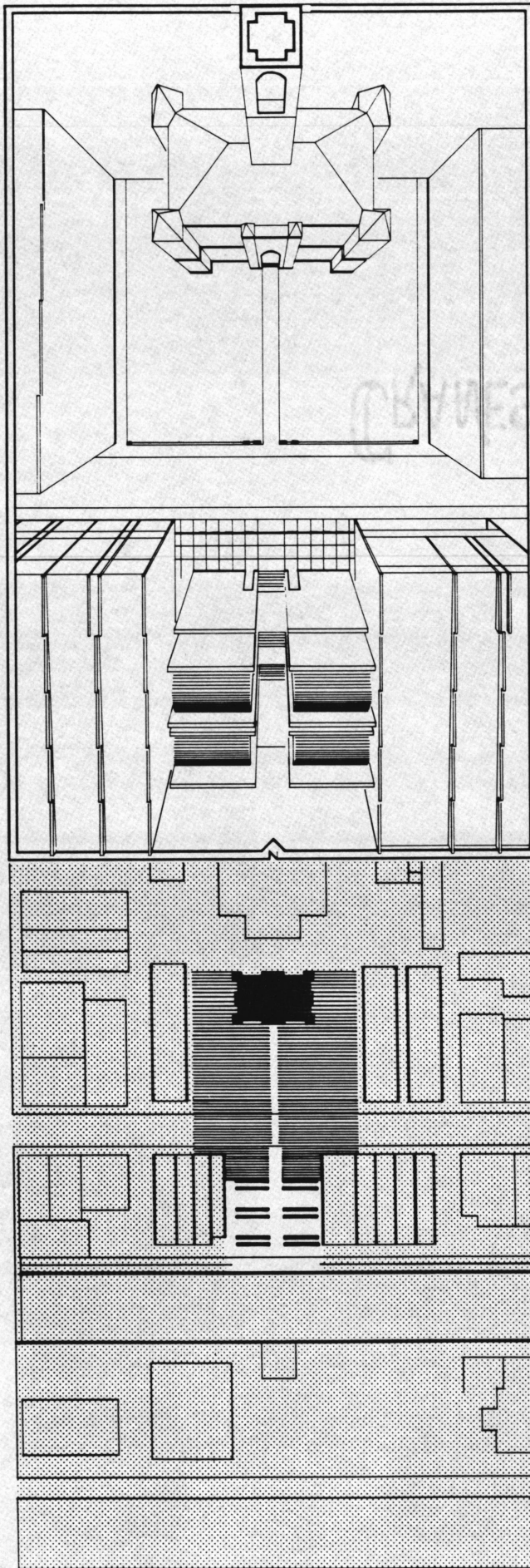


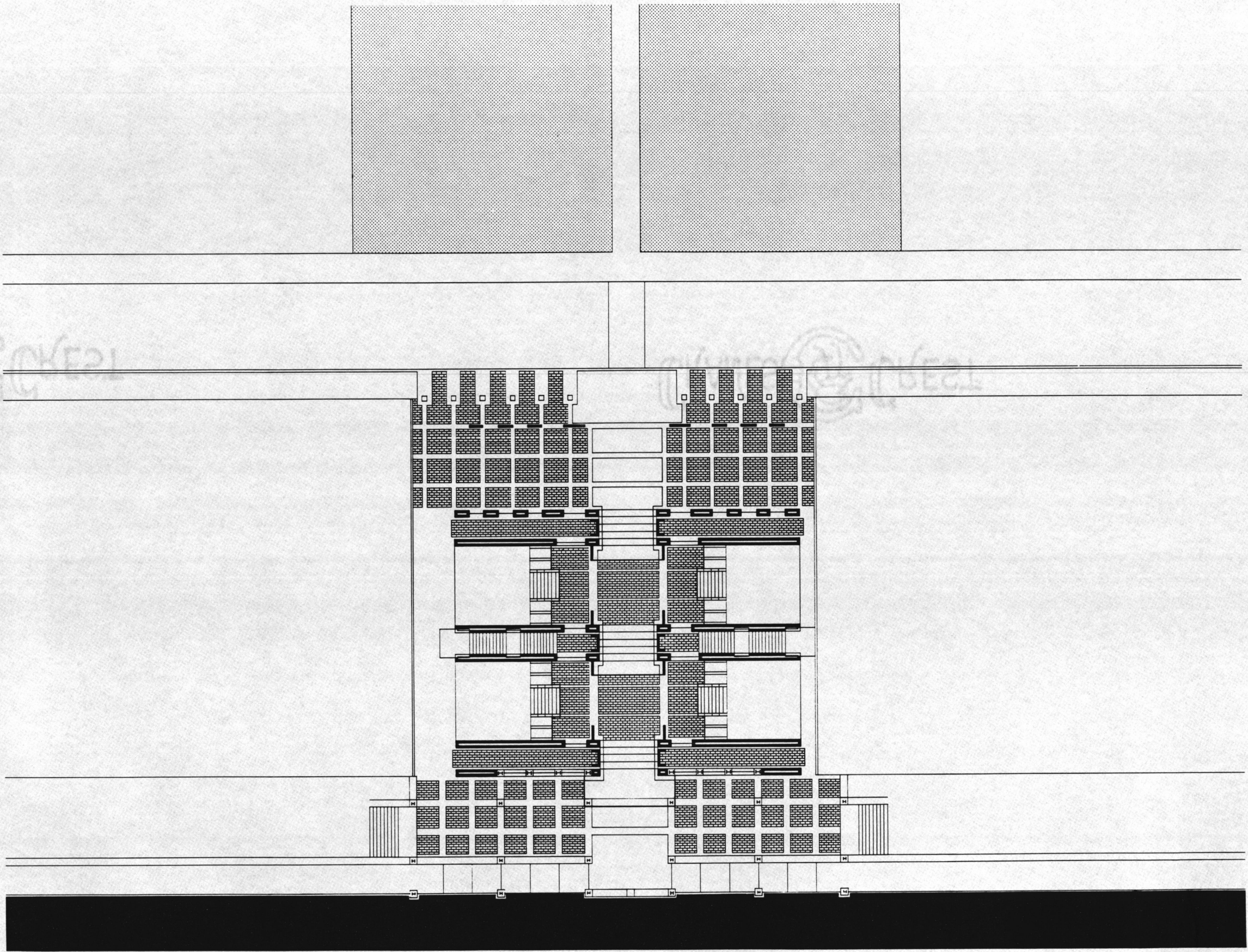


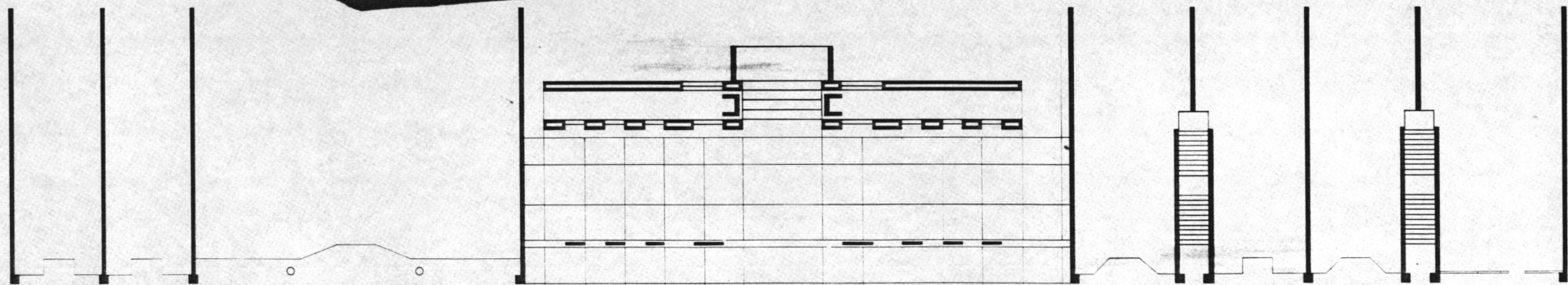
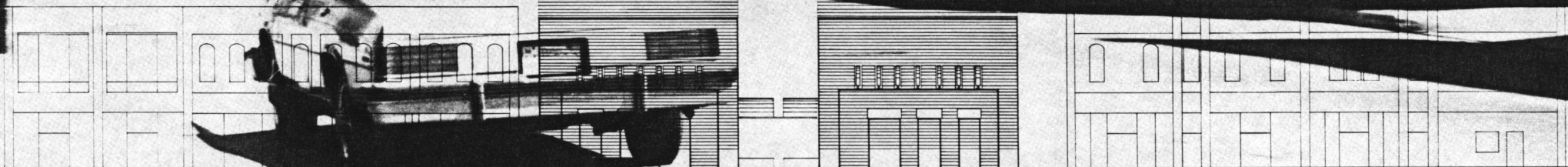
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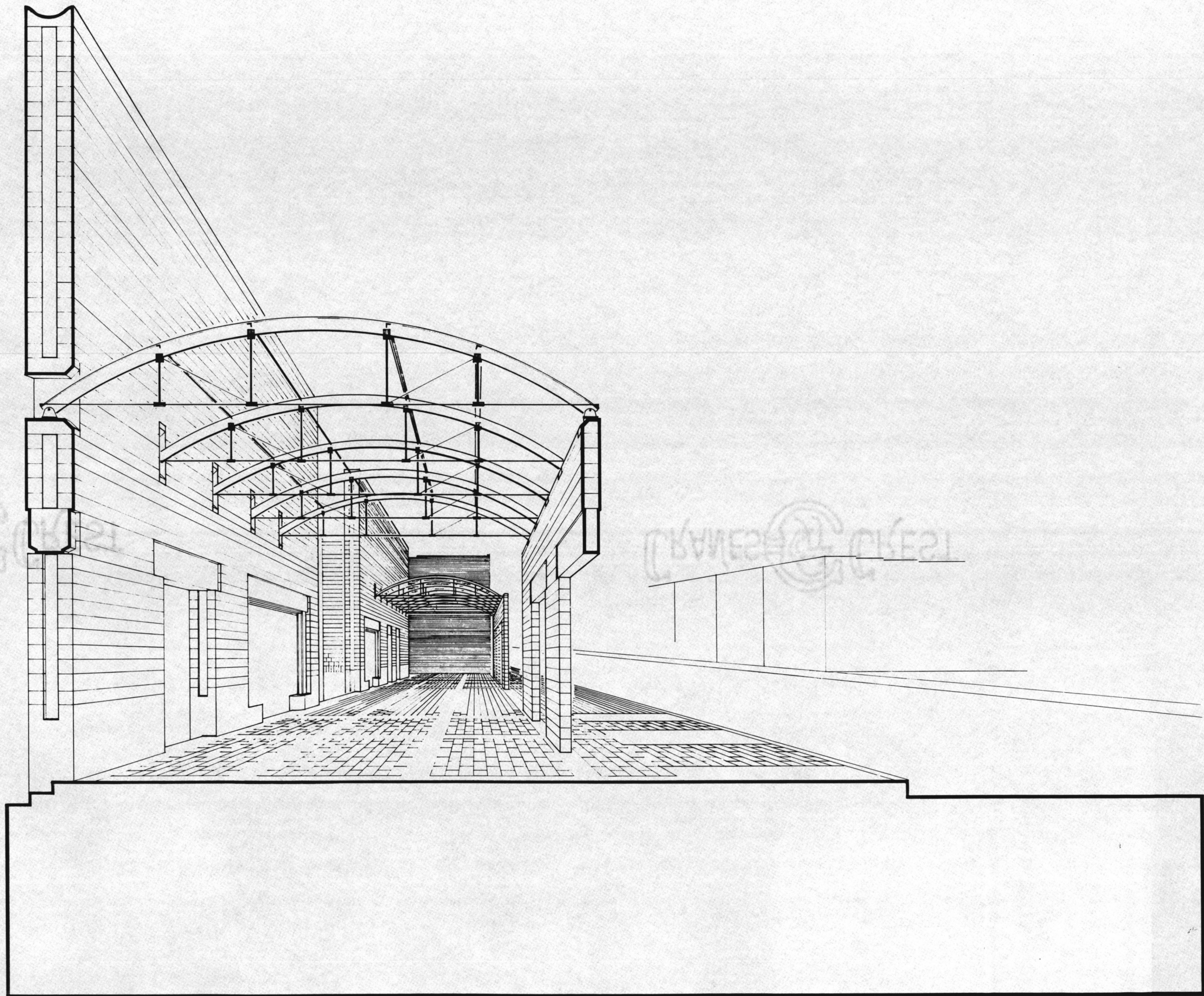
THE INHERENT STRUCTURE OF PLACE, A
TEMPORAL PATTERN REVEALED THROUGH
A REPETITION OF DISCRETE ELEMENTS
ON THE URBAN SCALE

THE SIMPLE STRUCTURAL FRAMEWORK
ALLOWS FOR COMPLEXITY AND
TRANSFORMATION WITHIN THE
FRAMEWORK ITSELF WITHOUT LOSING
THE ESSENTIAL RHYTHM OF PLACE



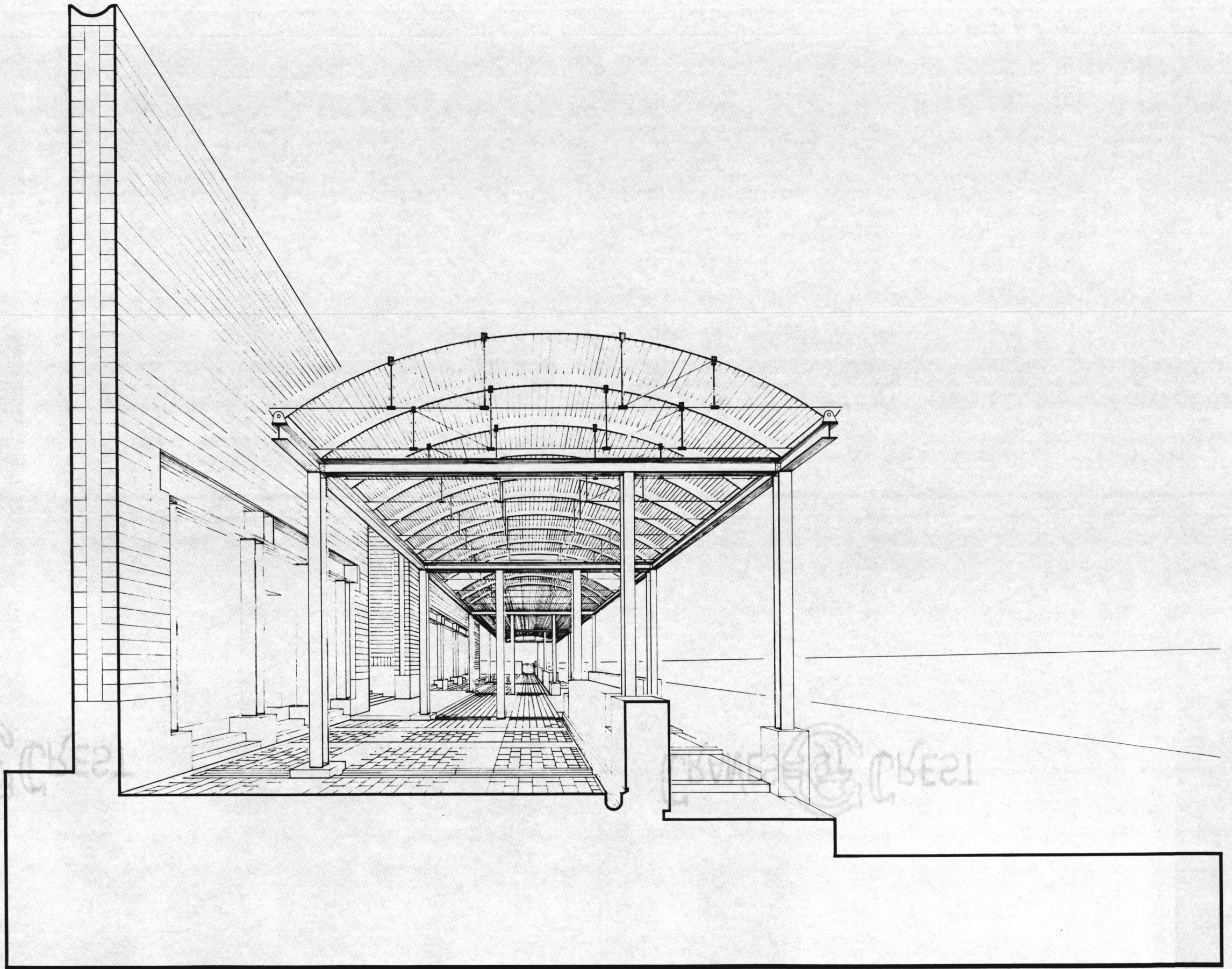


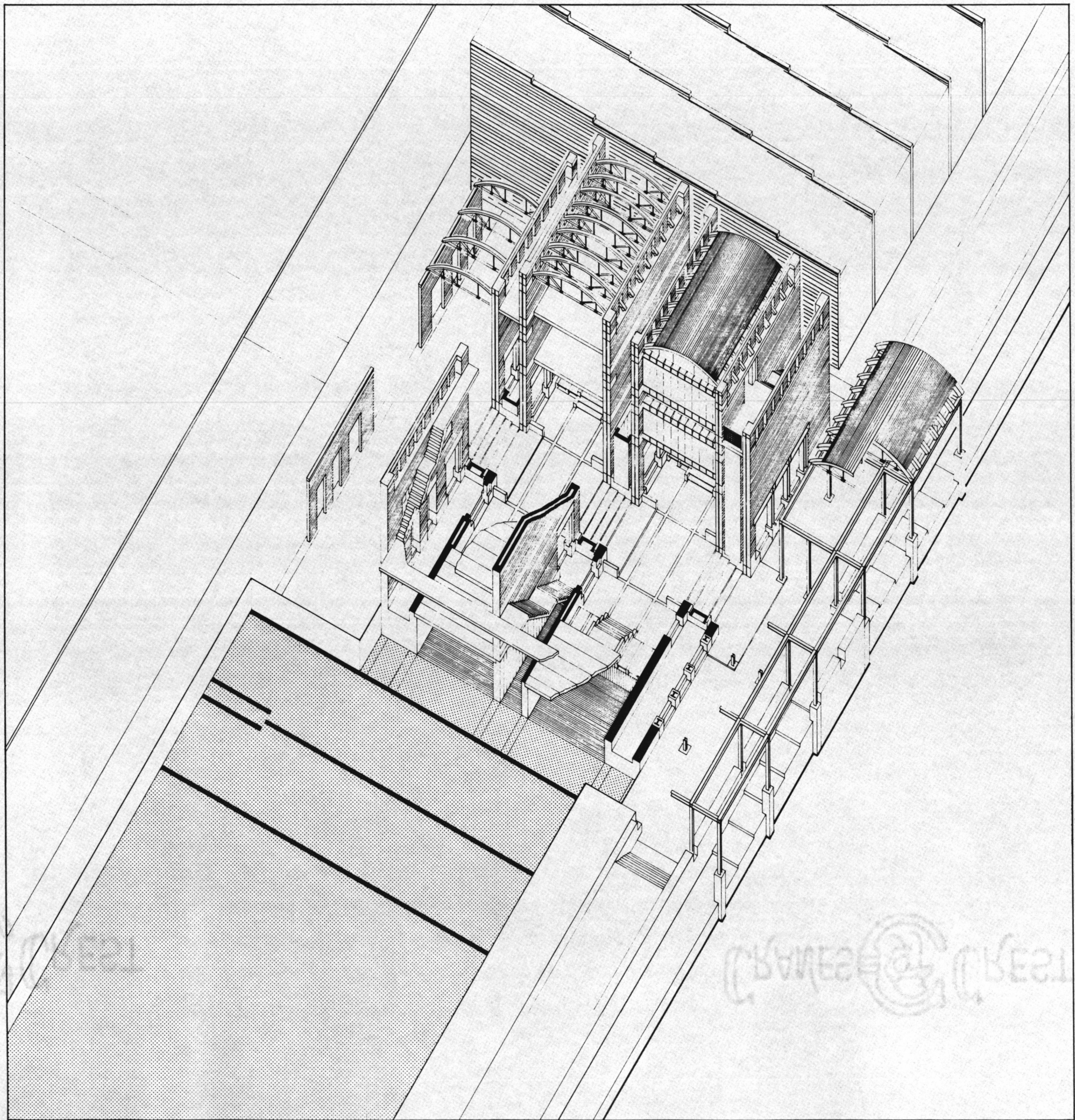












for architecture, among all the arts is the one that most boldly tries to reproduce in its rhythm the order of the universe, which the ancients called "kosmos," that is to say ornate, since it is like a great animal on whom there shine the perfection and the proportion of all its members

UMBERTO ECO



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