

functional analysis

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: IS NOT A BUILDING PLAN, IS NOT AN OVERALL CONCEPT, IS NOT JUST A BUBBLE DIAGRAM.

: IS THE ANALYSIS, THE TAKING APART OF THE ACTIVITIES AND FUNCTIONS OF A PROGRAM OR BUILDING TO DETERMINE NEEDS AND CHARACTERISTICS FOR ORGANIZATION AND GROUPING THESE FUNCTIONS.

: AS PART OF THIS ANALYSIS, YOU SEARCH FOR CHARACTERISTICS OF FUNCTIONS. SOME EXAMPLES OF THESE CHARACTERISTICS ARE:

QUIET/NOISY
REQ. FOR NATURAL LIGHT/REQ. FOR DARK
AMOUNT OF WASTE GENERATED/SUPPLY AMT. REQ.
PUBLIC/PRIVATE
VISUAL BUFFER/VISUAL LINK
POSITION IN OPERATIONAL SEQUENCE.

THERE ARE MANY MORE POSSIBLE, YOU MUST SEARCH FOR ORGANIZING CHARACTERISTICS IN EACH PROBLEM.

: WHAT YOU ARE DOING THIS ANALYSIS FOR IS TO DETERMINE HOW TO GROUP THESE ACTIVITIES. WHAT SHOULD BE TOGETHER? WHAT SHOULD BE APART? WHY SHOULD THEY BE APART? WHAT TYPE OF BARRIER IS REQUIRED? WHAT CAN ACT AS A LINK TO TIE ALL THIS TOGETHER?

: TOOLS FOR FUNCTIONAL ANALYSIS;

: CASE STUDY RESEARCH
: OBSERVATION
: MATRIX
: DIAGRAMMING
: COMMON SENSE
: HANDCUTS FROM 170 SERIES

: CASE STUDY RESEARCH

IS USEFUL AT ALL DESIGN STAGES. AT PROGRAMMING TO DISCOVER CRITICAL ISSUES, (COMMON DENOMINATORS) DURING FUNCTIONAL ANALYSIS AS A SERIES OF EXAMPLES OF SPACE ORGANIZATION TO BE GENERALIZED AND INTERPRETED. DURING PRELIMINARY DESIGN FOR EXAMPLES OF STRUCTURAL/MECHANICAL/LIGHTING INTEGRATION TO BUILDING FORMS, AND DURING DESIGN DEVELOPMENT AS A SERIES OF EXAMPLES OF MATERIALS USE AND DETAILING.

IS DANGEROUS- IF YOU ONLY DO ONE OR TWO STUDIES AND BELIEVE THEY ARE GOSPEL. YOU NEED TO DO MANY TO GET AN OVERVIEW.

- WHEN YOU START "LIFTING" SOLUTIONS. THIS IS BECAUSE THE "LIFTED" SOLUTION WAS A SOLUTION FOR A UNIQUE SET OF CLIMATIC, PROGRAMMATIC, SOCIOLOGICAL, TECHNOLOGICAL, AND ECONOMICAL PROBLEMS. THEY WONT FIT JUST ANY PROBLEM.