

Lec. C. ALEXANDER.

LARGE SCALE CONSTRUCTION.

EXAM: 12:30 Dwinnell Rm 145

2 Questions in each Lecture.

40 "

AT BEGINNING OF LECTURES - EMPHASIZED THE IDEA OF GENERATIVE.

- GENERATIVE CONSTRUCTION PROCESS.
- " CENTERING "

ONE MORE WAY TO VIEW THE ENV. IN A GENERATIVE WAY.

ARCHITECT - BUILDER.

• EACH IS RESPONSIBLE FOR ABOUT 60 WORKERS.

~ • A WAY WHERE A PERSON COULD TAKE A LARGE PROJECT WITH QUALITIES.

~ • FRICTION ARISES WHERE EVERYONE IS FREE TO DO WHAT THEY FEEL LIKE.

~ • IN AN ORDERED ENVIRONMENT ~~THE~~ HAS MORE DISCIPLINE IN IT.~ • A PATTERN LANGUAGE CONTAINS A LARGE NUMBER OF PATTERNS WHICH ~~ARE~~ ARE PRESENTED IN A STATIC WAY, SO THAT EACH REPRESENTS A PARTICULAR CONFIGURATION.

THE LANGUAGE SAYS LITTLE OF HOW TO LET THAT HAPPEN.

→ IN A SMALL BLDG - YOU CAN APPLY THE PATTERNS SEQUENTIALLY.

- IT DOESN'T HAVE A SIMPLICITY, EVEN FOR A LAY PERSON.

→ IN THE TEA HOUSE EXAMPLE - THE RULES ARE DIFFERENT FROM THE PATTERNS.

• THEY ARE SIMPLE, EASY TO DO, & SOMEWHAT ARBITRARY.

IN P. L. BOOK

• SOME EXPRESS A RELATIONSHIP WHICH IS REALLY NECESSARY - FOR MOST SUCCESSFUL PATTERNS. THEY ARE VERY GENERAL.

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→ IN THE ~~THE~~ KINDS OF INSTRUCTIONS LIKE THE TEA HOUSE - THEY ARE VERY SPECIAL. ONE COULD SAY THEY ARE A PARTICULAR CASE OF THE P.L.

→ THE RULES ARE MUCH NARROWER.
 → DON'T ALLOW FOR CONJECTURE
 → ARE SIMPLE AND GRACEFUL SO THAT YOU CAN'T ARGUE WITH THEM.
 → DON'T EXPLAIN ITSELF IN A FUNCTIONAL WAY IT JUST TELLS YOU TO DO IT.

→ MORE LIKE RULES THAN PATTERNS. IN TRADITIONAL BLDG. THE RULES SUMMERIZES A WHOLE TRADITION.

EXAMPLE FROM THE ISLAMIC WORLD.

• POEM FROM THE 10th CENTURY. NOT EXACTLY RULES. DESCRIBES GARDENS IN ISLAM.

~~THE GARDENS ARE DESCRIBED IN A POEM FROM THE 10TH CENTURY. NOT EXACTLY RULES. DESCRIBES GARDENS IN ISLAM.~~

TWO PROJECTS : ISRAEL, PAPUA NEW GUINEA.

- ISRAEL:

ARRANGEMENT W/ GOV'T TO BUILD AN EXPERIMENTAL COOPERATIVE SETTLEMENT NEAR HAIFA. IMMIGRANT SETTLEMENT. FROM U.S.

THE GOV'T TRYING TO CREATE AN INDUSTRIAL COMPLEX - URBAN FABRIC WHICH IS DECENTRALIZED. IN FORM OF VILLAGES.

• THE ECONOMIC MATTERS ARE INVOLVED.

→ EXTREMELY ADVANCED COOPERATIVE SYSTEM. ATTITUDE WITH BUILDING IS FACILIT.

THEY ARE O.K. WITHIN THEMSELVES BUT WITH REGARDS TO THE ARAB POPULATION. THEIR ATTITUDE IS INTOLERABLE.

→ THIS IS ONE OF THE FIRST CASES WHERE A BUILDERS WILL START A BUILDERS YARD AND SLOWLY INCREASE.

→ THEY ARE NOT PRESENT ALL THE TIME BUT THEY ARE RESPONSIBLE. THE GROWTH WILL TAKE ABOUT 40 YEARS.

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HAVE TO GIVE 3 SETS OF RULES.

- ① MASTER PLAN.
- ② HOUSE LAYOUT.
- ③ CONSTRUCTION.

MINIMAL DETAILED KNOWLEDGE OF THE SITE WILL PRODUCE A WELL ORDERED ENV. IN THE NEXT 40 YEARS.

SLIDES:

- THE SITE. OLIVE GROVES. HILL. CAROB TREES.

→ RULES VERY SPECIFIC TO SITE.

THE MOST NATURAL CONCLUSION IS THAT THE NODES AT VARIOUS POINTS GOING UP THE HILL WILL BE DEVELOPED...

A DOCUMENT WHICH CONTAINS A SET OF RULES TO PRODUCE THE PLAN. INSTEAD OF THE MASTER PLAN.

RULES. CORRESPOND TO FIXED SPOTS.

- WILL NOT BUILD HOUSES UNTIL EMPLOYMENT IS GUARANTEED.
- THE WORK IS NOT SEGREGATED FROM HOUSES.
- DOWN FROM SLOPES - AN OPENING DOWNWARDS.
- CLUSTERS ALONG THE CONTOURS, STEPS
- CONNECTING THE ~~END~~ CLUSTERS.
- DEVELOPMENT ~~OF~~ THE LAND, IS ESSENTIAL.
- BY TERRACING AND EARTH FILLING.
- RULES STATE THAT AREAS BETWEEN THE CLUSTERS
- IRRIGATION PUMPING WATER TO TOP OF HILL AND LET IT TRICKLE DOWN TO THE VARIOUS NODES AND IRRIGATE AGRICULTURE.
- HOUSES ARE NOT BUILT AS A PARTICULAR ACT BUT FORM GRADUALLY.
- 5-6 PAGES OF CLOSELY TIED MATERIAL.

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2ND SET OF RULES.

- NOT QUESTIONABLE. VERY SIMPLE.

- NOT THAT MUCH FREEDOM IN EACH CASE.
- HOUSES WILL BE DIFFERENT BUT NOT AS DIFFERENT ~~FROM~~ IN PATTERN LANGUAGE.

RATHER CLEAR. IT PROVIDES A MORE COHERENT DEVELOPMENT.

QUESTIONS:

→ DO USERS FEEL FREE, OR NOT.

→ PEOPLE FEEL NO CONSTRAINT. AN INCREDIBLE SET OF FREEDOM.

MORE FREE THAN ~~A~~ USERS OF PATTERN LANGUAGE
PARADOXICAL STATEMENT. NOT SURE ABOUT.

IN SUPREME DOCTRINE
COMPARE TWO QUESTIONS:

- 1 - PLEASE THINK OF A MUSICAL INSTRUMENT.
- 2 - WHAT IS THE SHALES INSTRUMENT IN A STRING QUARTET.

FIRST SEEM MORE FREE, HOWEVER THE SECOND ONE IS FREER.

IN DOCTRINE OF ZEN. PERFECT FREEDOM IS SAME AS PERFECT DETERMINISM.

AT MOMENT WHEN MAN UNDERSTANDS HIMSELF AND THE WORLD AROUND HIM AND SO HAS NO ALTERNATIVES EXCEPT ONE:

IT IS CLEAR TO HIM WHAT IS THE RIGHT THING TO DO.

GENERAL SENSATION IS LIKE THAT.

• THE DISCIPLINE OF THE RULES ENHANCE THE FREEDOM.

• RULES ARE NOT ARBITRARY. EMBODYING THE PATTERN.

• YOU CAN CREATE A SET OF RULES WHICH ARE SO POWERFUL THAT YOU CAN GENERATE BEAUTIFUL BUILDINGS.

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① THERE IS A RELATIONSHIP BETWEEN THE CENTERING PROCESS AND THIS PROCESS.
EXAMPLE: NODES.

② IN PAPUA NEW GUINEA.
WANT THE CULTURES TO BE INDEPENDENT
PRIVATE CULTURE IS BEING WIPED OUT.
+ TRY TO OVERCOME THE PROCESS OF
DESTRUCTION. CAUSED BY AUSTRALIA...

✦ TRAIN 1 BUILDER IN A TIGHT FASHION SO THAT
IT COULD BE CARRIED ON.

~~THE FACT THAT~~ ~~AT~~
THEY HAVE GREAT POWER.

• THE FACT THAT IT IS ALL THOUGHT OUT.

• CENTERING PROCESS TELLS YOU WHAT TO DO
SO THAT YOU CAN ~~BE~~ SOLVE ANY PROBLEM.

A BIT OF A PARADOX.

