VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY

COLLAGE AS A DESIGN PROCESS

PREPARED BY

ALEJANDRO SANTOS

IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE DEGREE OF

MASTER OF ARCHITECTURE

SUSAN PIEDMONT-PALLADINO JAAN HOLT MARCO FRASCARI PAUL EMMONS



ABSTRACT

INVENTED BY MAX ERNST.

THIS IS A CREATIVE PROCESS BASED ON QUOTATION.

HERE I QUOTE ARCHITECTS AND BUILDINGS THAT I ADMIRE.

THE INTENTION IS TO COMPOSE A PROJECT WHILE FINDING MY OWN SYNTAX AND WORKING PROCEEDURE.

COLLAGE.

II — ACKNOWLEDGMENTS

I WOULD LIKE TO THANK PROFESSORS: SUSAN PIEDMONT-PALLADINO, PAUL EMMONS, MARCO FRASCARI AND JAAN HOLT FOR SHARING THEIR KNOWLEDGE, TIME AND VIEWS ABOUT ARCHITECTURE WITH ME, THEY MADE ME FEEL THAT THEY REALLY ENJOY TEACHING. I KNOW THAT I REALLY ENJOYED LEARNING WITH THEM.

I ESPECIALLY THANK JAAN HOLT FOR MAKING IT POSSIBLE FOR ME TO BE HERE, I CAN NOT EXPRESS HOW GRATEFUL I AM.

THANK YOU TO ALL THE PEOPLE THAT HELPED ME ALONG THE WAY, ESPECIALLY IN THOSE LAST MOMENTS, THEY MADE ME FEEL AT HOME. I WILL ALWAYS REMEMBER THAT.

CAROLINA, THANK YOU FOR THOSE SLEEPLES NIGHTS HELPING ME, FOR PUTTING YOUR THINGS ASIDE FOR ME.

TO MY MOTHER AND FATHER, WHO ALWAYS BELIEVED IN ME AND GAVE ME THE STRENGTH AND CONFIDENCE TO MAKE ME FEEL CAPABLE OF ACCOMPLISHING ANY GOAL.

I LOVE ALL OF YOU.

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SITE LOCATION + PICTURES + EARLY SITE PLAN

ANACOSTIA

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AERIAL VIEW OF SOUTH WASHINGTON THE SITE IS LOCATED

AT THE INTERSECTION

OF SOUTH CAPITOL

STREET AND M STREE

T

SE, THE TWO MAJOR

ARTERIES OF THIS

PART OF THE CITY.

THE AREA IS
CURRENTLY IN NEED
OF A MAJOR
REDEVELOPMENT.
THE INFRASTRUCTURE
OF THE AREA IS IN A
VERY POOR CONDITION
AND ITS HOUSING
IS SUBSTANDARD.

SOUTH CAPITOL

M STREET SE STREET IS PLANNED

AS THE NEW SOUTHER

N GATEWAY TO CENTRAL

WASHINGTON.

 THE SITE CONSISTS OF THE WHOLE BLOCK SURROUNDED BY SOUTH CAPITOL STREET, M ST. SE, L ST. SE AND HALF ST, SE.

IT IS PRACTICALLY EMPTY, EXCEPT FOR AN EXISTING CHURCH, ONE OR TWO BUILDINGS OF NO REAL VALUE AND THE REST ARE PARKING LOTS.

IN THE PROJECT THE CHURCH IS THE ONLY PART OF THE EXISTING SITE THAT IS INCORPORATED.

DIAGONALLY ACROSS THE CORNER OF THE SITE AT THE INTESECTION OF HALF AND M STREETS IS THE NAVY YARD METRO STATION. THIS IS ONE OF THE KEY FACTORS IN THE REDEVELOPMENT OF THE AREA.

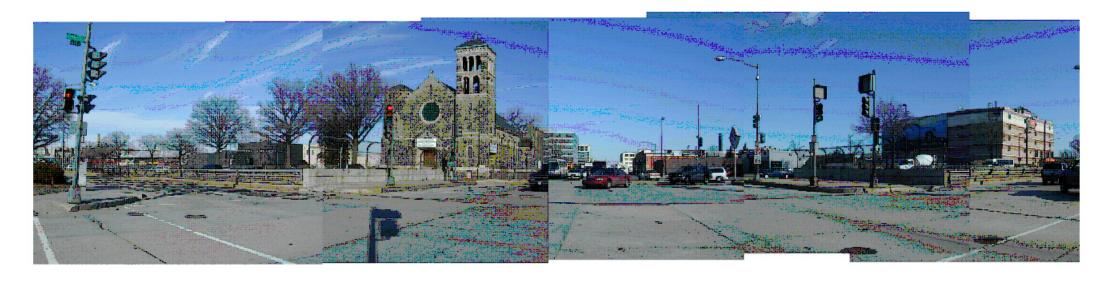


AERIAL VIEW OF THE NEIGHBORHOOD



EARLY SITE PLAN

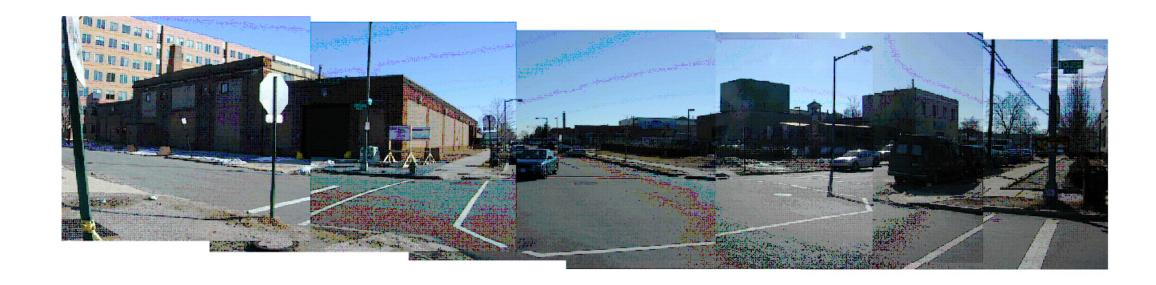




VIEW OF THE SITE FROM THE INTERSECTION OF SOUTH CAPITOL ST. AND M ST. SE (THE EXISTING CHURCH HAS ITS MAIN ENTRANCE FACING SOUTH CAPITOL ST.)



VIEW OF THE SITE FROM THE NAVY YARD METRO STATION.



TO THE RIGHT OF THE PICTURE, THE SITE VIEWED FROM THE CORNER OF L ST. SE AND HALF ST.

BEGINNINGS + PROCESS + EVOLUTION

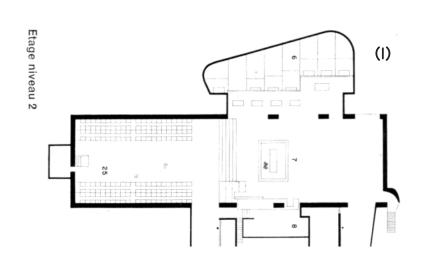
DISCOVERING THAT ARCHITECTS, WOULD NOT ONLY BE INSPIRED, BUT WOULD ACTUALLY TAKE

PARTS OF BUILDINGS FROM MASTERS LIKE LE CORBUSIER, TRANSFORM AND RE-USE THEM, NOT ONLY

AMUSED ME, BUT MADE ME WANT TO EXPERIMENT AND INVESTIGATE THE POSIBILITIES OF REUSING

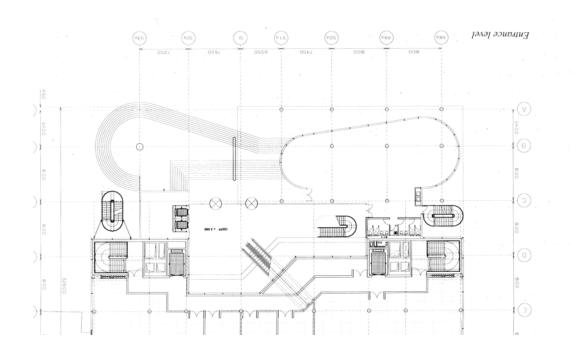
AND COMBINING PARTS OF BUILDINGS DONE BY OTHER ARCHITECTS AS PART OF A DESIGN PROCESS

OF COLLAGE.



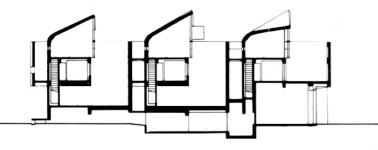
-LA TOURETTE MONASTERY

-LE CORBUSIER



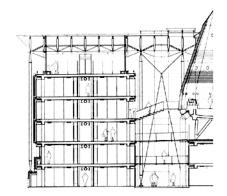
DAIMLER BENZ OFFICES
AND HOUSING

RICHARD ROGERS



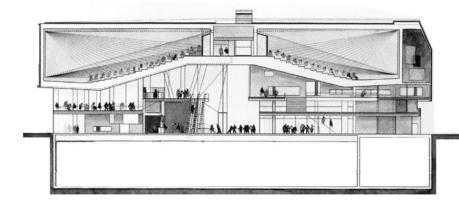
-REM KOOLHAAS

NEXUS WORLD



-RICHARD ROGERS

BORDEAUX CITE JUDICIARE



-Bolles Wilson

RAAKS CINEMA CENTRE



THE INITIAL IDEA WAS TO DEVELOP A BUILDING THAT CONTAINED A MIXED USE PROGRAM.

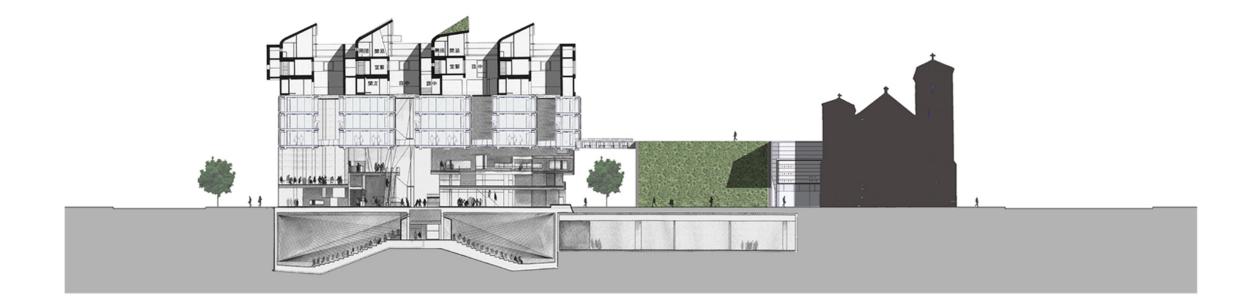
I SELECTED THREE
BUILDINGS THAT COMBINED
WOULD CONTAIN THE
PROGRAMS I WAS THINKING
OF USING.
THE BUILDINGS WERE NOT
ONLY SELECTED BECAUSE
OF THE PROGRAM, BUT ALSO
FOR QUALITIES SUCH AS
SPATIALITY, MATERIALITY
AND SCALE.

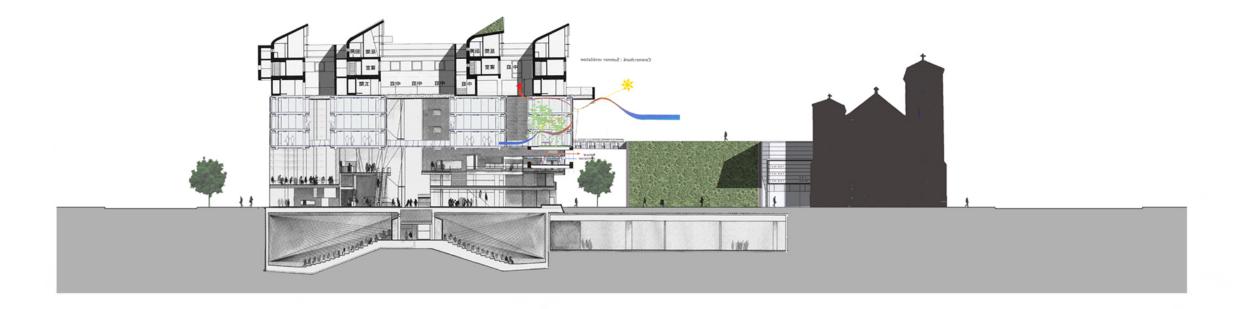
BY COMBINING, COLLAGING
AND ADAPTING THE
SECTIONS OF THESE
BUILDINGS TO AN EARLY
SCHEME, I CAME UP WITH A
SECTION THAT INTERESTED
ME, ESPECIALLY BECAUSE OF
ITS SPATIALITY. SINCE I
WAS USING THE ORIGINAL
DRAWINGS FROM EACH
AUTHOR IT EXPRESSED A
DIFFERENT NATURE ON
EACH OF ITS PARTS,
MORE PROPER OF THE
ORIGINAL BUILDINGS.

OF THE

SECTION



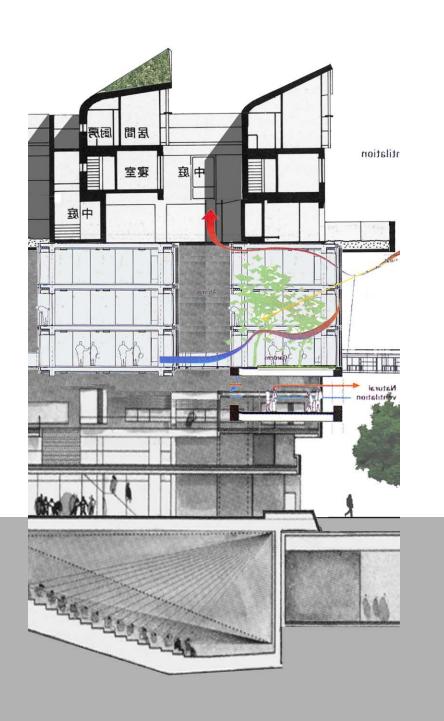




THE STEP FROM THE SCHEMATIC SECTION TO THE DETAILED ONE USING THE FIRST AS A

TEMPLATE OVERLAYING THE DETAILS ON TOP.

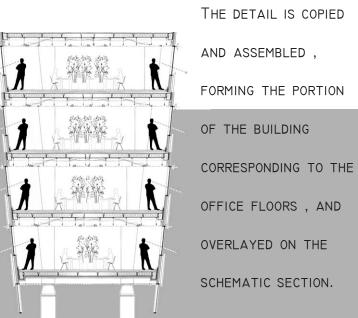
THE DRAWINGS USED ARE COMBINED, REPEATED AND PLACED IN SUCH A WAY AS TO FORM THE SECTION HAVING IN MIND THE CONNOTATION THEY ACQUIRE WITHIN THE CONFORMATION OF THE BUILDING AND IT'S CONSTRUCTION.

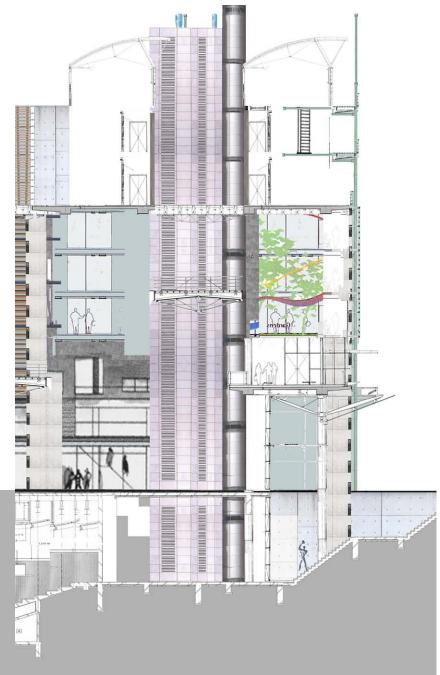


- K P N T E L E C O M T O W E R

- RENZO PIANO



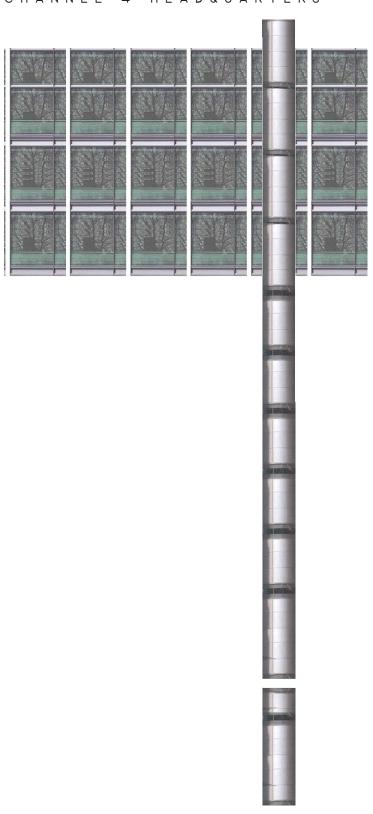




SOME BITS AND PIECES USED TO COMPOSE THE THESIS

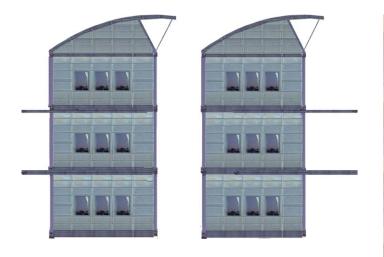
ARCHITECT: RICHARD ROGERS

BUILDING: CHANNEL 4 HEADQUARTERS



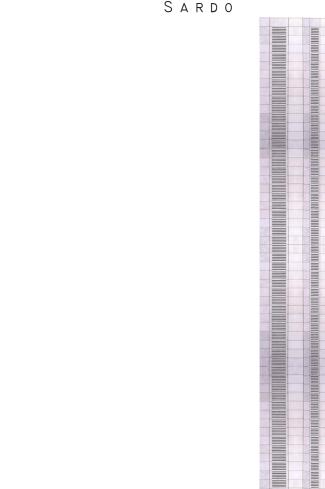
ARCHITECT: RENZO PIANO

BUILDING: AURORA PLACE



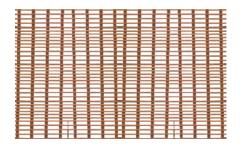
BUILDING: BANCA POPOLARE DI LODI



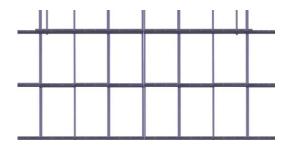


ARCHITECT: RENZO PIANO

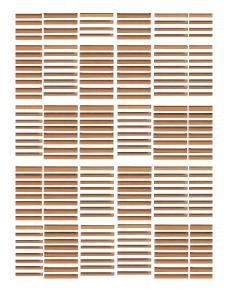
BUILDING: JM TJIBAOU CULTURAL CENTRE



BUILDING: KANSAI AIRPORT



BUILDING: LINGOTTO FACTORY



BUILDING: POTSDAMER PLATZ



ARCHITECTS:
RENZO PIANO +
RICHARD ROGERS
BUILDING:
POMPIDOU
CENTRE



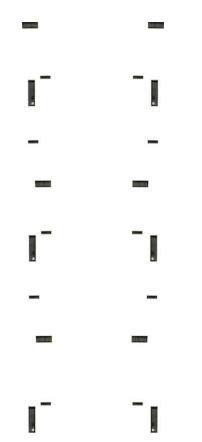
ARCHITECTS: MVRDV

BUILDING: DUTCH PAVILION EXPO 2000



ARCHITECT: STEVEN HOLL

BUILDING: HOUSING IN FUKUOKA



ARCHITECT: Louis Kahn

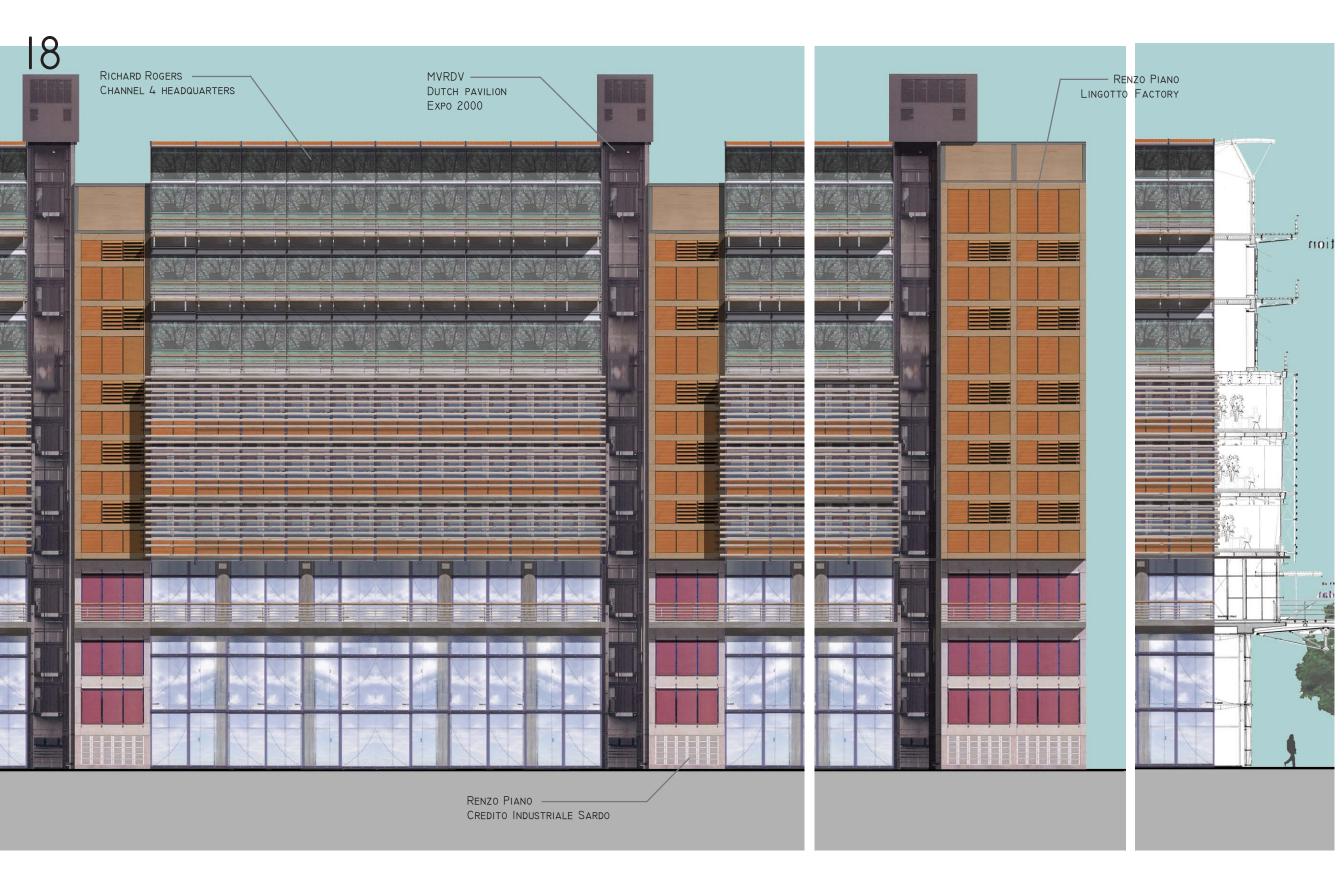
BUILDING: SALK INSTITUTE



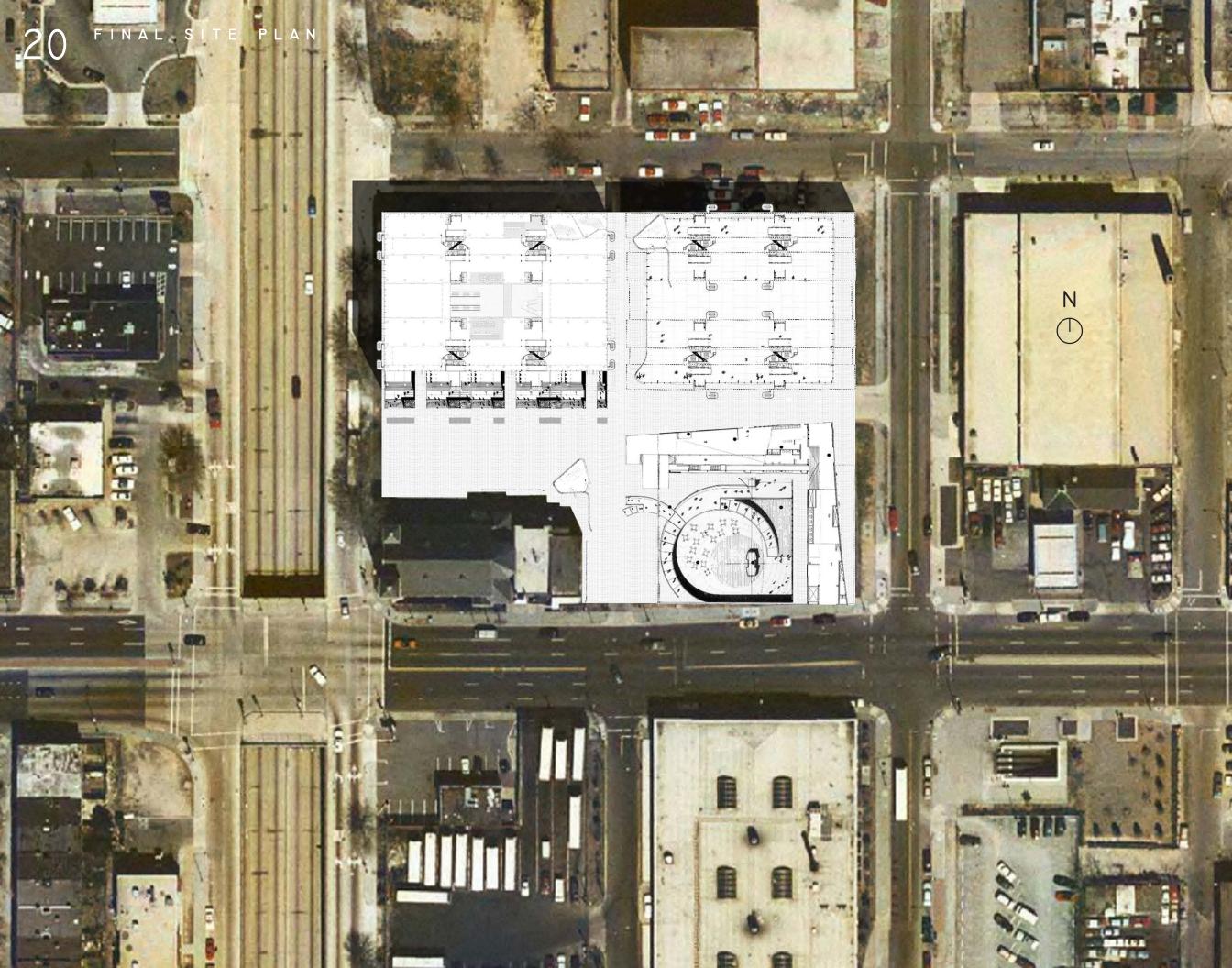
PROCESS DRAWINGS

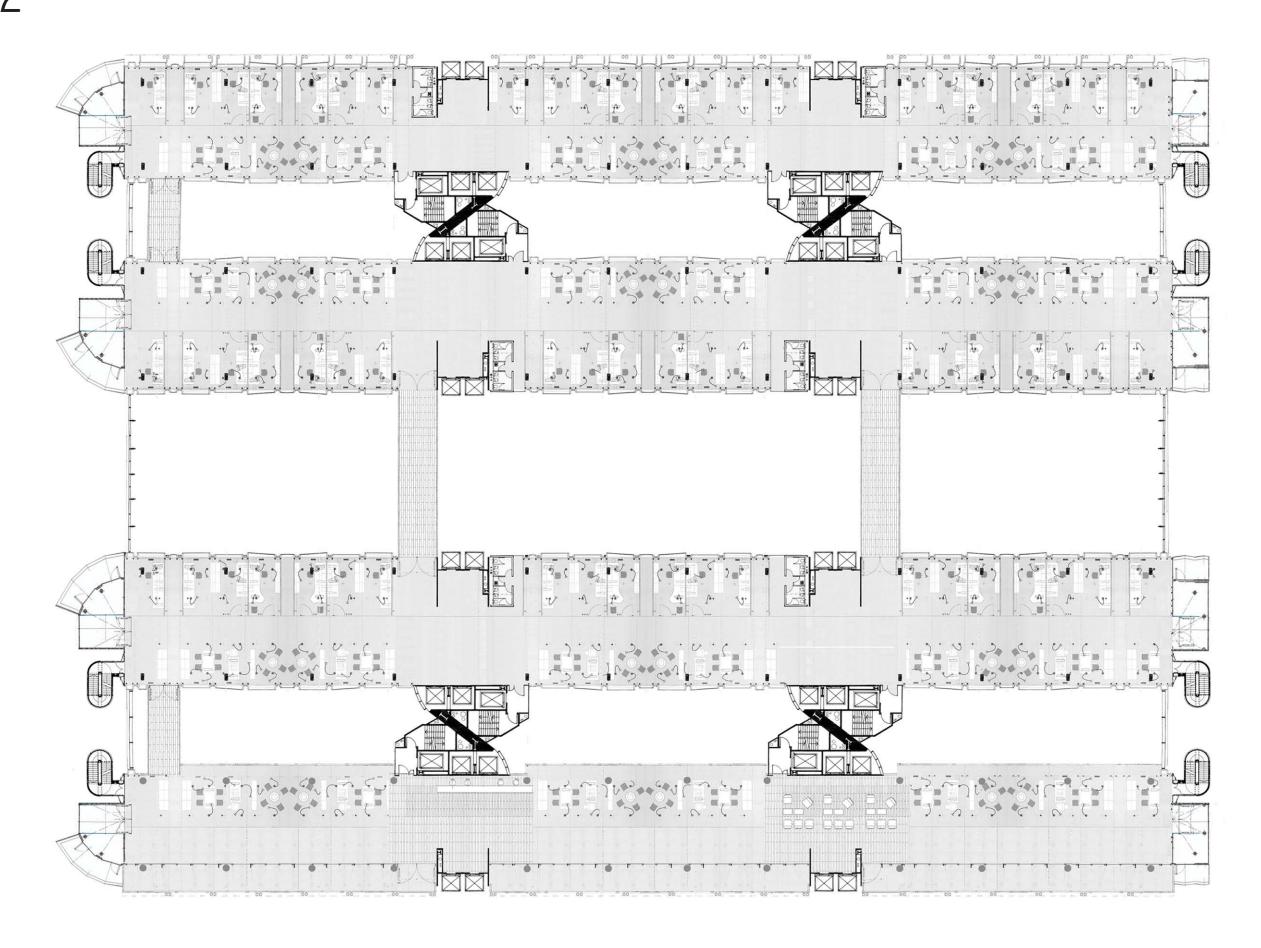


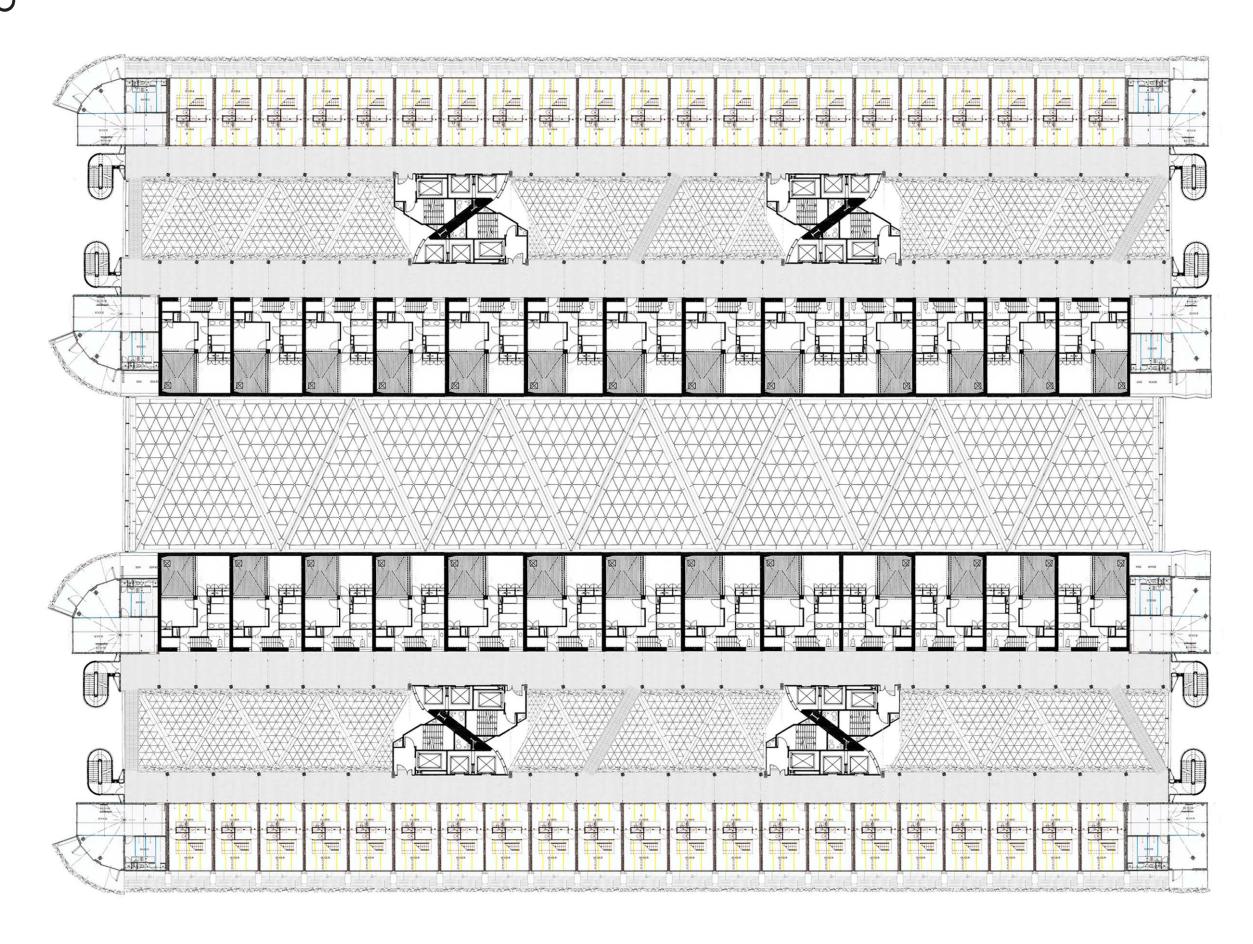




FINAL DRAWINGS









THE MODEL

THE MODEL WAS THE LAST STEP IN

THE DESIGN PROCESS, AND WAS NOT

CONSTRUCTED WITH THE SOLE PURPOSE

OF SHOWING THE SPATIAL QUALITIES OF

THE PROJECT. THE INTENTION WAS TO

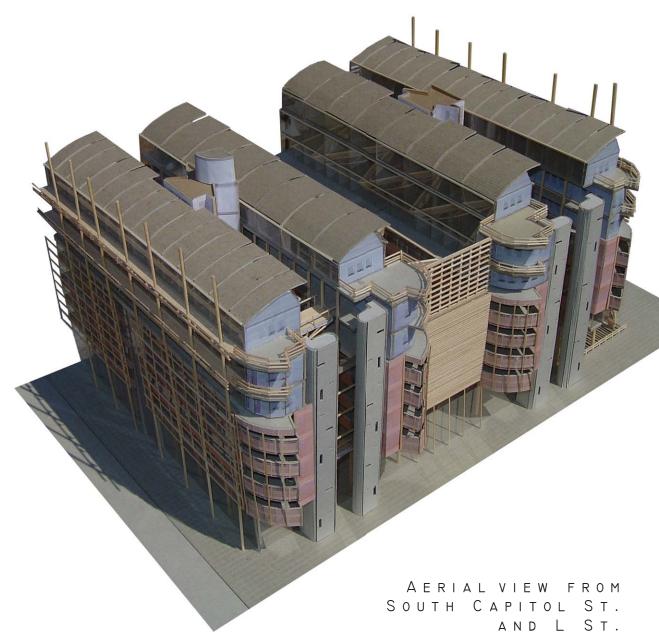
DEMONSTRATE THAT THE STEP TO THE

THREE — DIMENSIONAL CONSTRUCTION

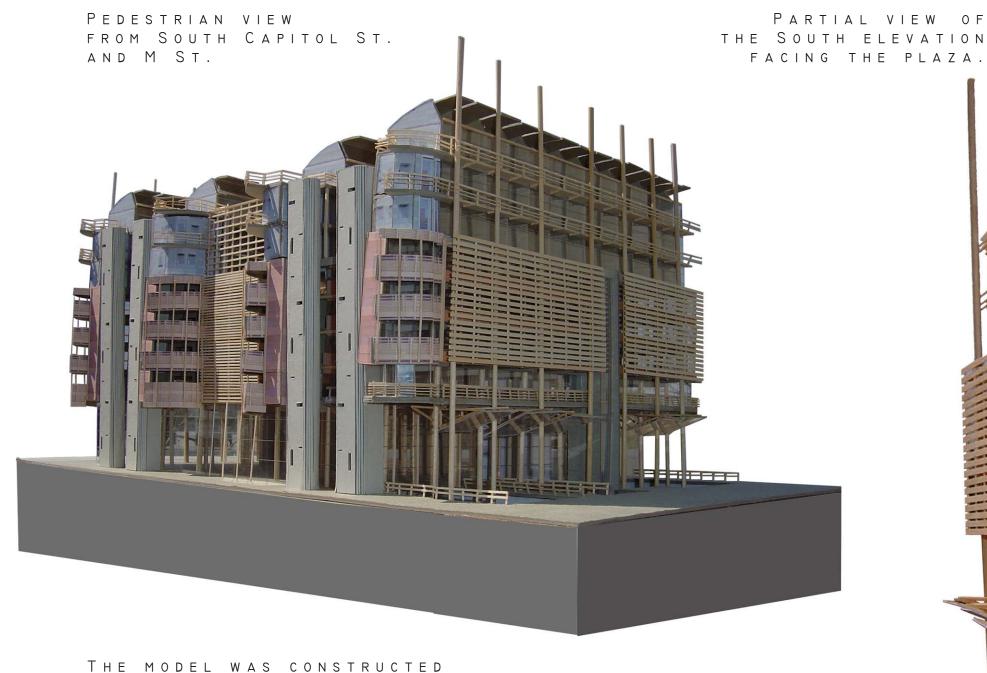
IS POSSIBLE WITH THE DESIGN PROCESS OF

THE COLLAGE, CONFIRMING THE DEVELOPMENT





VIEW OF PLAZA ELEVATION AND SECTION OF THE MODEL.



PHYSICALLY APPLYING THE `MATERIALS` USED

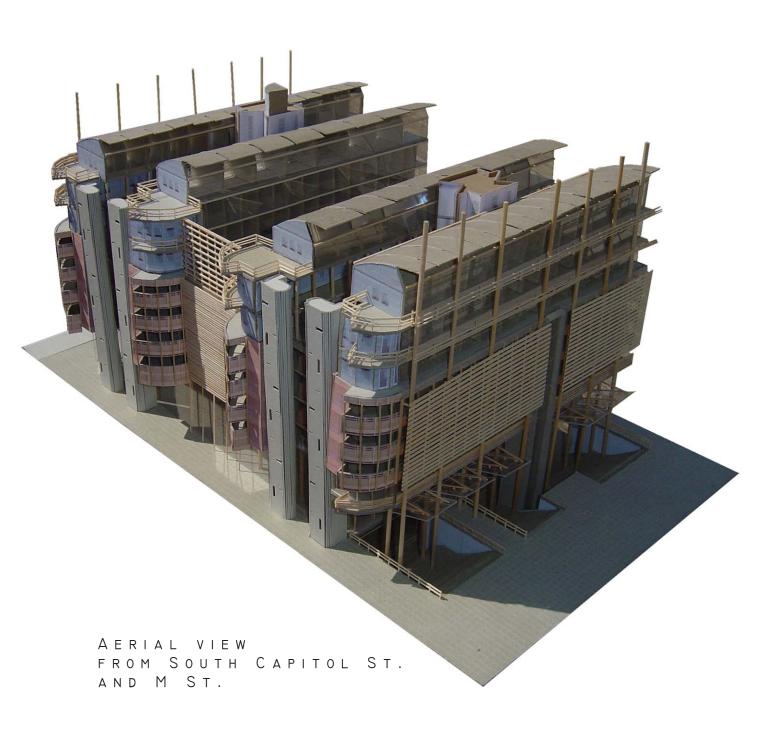
ON THE DRAWINGS ON TO THOSE USED TO CONSTRUCT IT.

THE RESULT IS THE EXPRESSION OF THE PROCESS AND

ITS PARTICULARITIES, SUCH AS THE DIFFERENT ORIGIN

AND NATURE OF THE PARTS THAT COMPOSE THE

PROJECT.





VIEW OF CENTRAL ATRIUM FROM BASEMENT LEVEL. -LE CORBUSIER ET PIERRE JEANNERET

PUBLISHER: LES EDITIONS D'ARCHITECTURE.

-RENZO PIANO BUILDING WORKSHOP: COMPLETE WORKS. VOL. 1, 2, 3, 4.

BY: PETER BUCHANAN

PUBLISHER: PHAIDON PRESS

-RENZO PIANO BUILDING WORKSHOP. GA ARCHITECT 14

BY: KENNETH FRAMPTON

PUBLISHER: A.D.A. EDITA TOKYO CO. LTD.

-GA DOCUMENT EXTRA 05 - NORMAN FOSTER

PUBLISHER: A.D.A. EDITA TOKYO CO. LTD.

-GA DOCUMENT EXTRA 12 - RICHARD ROGERS

PUBLISHER: A.D.A. EDITA TOKYO CO. LTD.

-LOUIS I. KAHN: IN THE REALM OF ARCHITECTURE

BY: DAVID B. BRAWNLEE

DAVID G. DE LONG

PUBLISHER: RIZZOLI INTERNATIONAL PUBLICATIONS.

-EL CROQUIS 105 - ARCHITEKTURBURO. BOLLES + WILSON (1995-2001)

PUBLISHER: EL CROQUIS EDITORIAL.

-EL CROQUIS 78 + 93 + 108 - STEVEN HOLL (1986-2003)

PUBLISHER: EL CROQUIS EDITORIAL.

-EL CROQUIS 86 + III - MVRDV (1991-2002)

PUBLISHER: EL CROQUIS EDITORIAL.

-EL CROQUIS 112 / 113 - JEAN NOUVEL (1994-2002)

PUBLISHER: EL CROQUIS EDITORIAL.

-EL CROQUIS 65 / 66 - JEAN NOUVEL (1987 - 98)

PUBLISHER: EL CROQUIS EDITORIAL.

-EL CROQUIS 71 - TOYO ITO (1986 - 95)

PUBLISHER: EL CROQUIS EDITORIAL.

-EL CROQUIS 109 / 110 - HERZOG & DE MEURON (1998-2002)

PUBLISHER: EL CROQUIS EDITORIAL.

- EL CROQUIS 53 + 79 - 0.M.A. REM KOOLHAAS (1987 - 98)

PUBLISHER: EL CROQUIS EDITORIAL.

- EL CROQUIS 30 + 49/50 + 72 + 100/101 - ENRIC MIRALLES (1983 - 2000)

PUBLISHER: EL CROQUIS EDITORIAL.

- M A X E R N S T (1891 - 1976)

HTTP://W.W.W.ARTCHIVE.COM/ARTCHIVE/E/ERNST.HTML

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