FUTURE INNER-CITY LIVE-WORK TYPOLOGIES FOR BANDUNG
HOW TO EVOLVE IMPORTANT HERITAGE STRUCTURES AND AREAS OF BANDUNG, IN ORDER TO REALISE INCLUSIVE, THRIVING AND HEALTHY ENVIRONMENTS FOR WORKING, LIVING AND LEISURE?
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BACKBONES OF BANDUNG
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JI. ASIA AFRICA - JI. SUDIRMAN
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CIKAPUNDUNG RIVER
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EMBEDDING OF THE PASAR BARU AREA
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Pasar Baroe, Bandoeng.

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MR. GAGAN - SHOPOWNER

MR. FIRMAN - STREET VENDOR

MS. KIRANA - CUSTOMER

MRS. ENOK - RESIDENT OF THE URBAN POCKET

COMMUNITY OF THE PASAR BARU AREA
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THE PUBLIC REALM IS THEIR WORKINGPLACE

THE STREET ECONOMY OBSTRUCTS THE PUBLIC ENVIRONMENT

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THE CUSTOMER
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MRS. ENOK
RESIDENT OF THE
URBAN POCKET

THE URBAN POCKET RESIDENT
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THE URBAN POCKET
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USE OF PUBLIC SPACE BY THE COMMUNITY
STONE ENVIRONMENT
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PROBLEM STATEMENT

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RESEARCH STRUCTURE

SUNDANESE VERNACULAR ARCHITECTURE

COLONIAL ARCHITECTURE

CONTEMPORARY SHOPHOUSE ARCHITECTURE
RESEARCH QUESTION

WHICH UNDERLYING CULTURAL, MATERIAL AND TECHNOLOGICAL BUILDING PRINCIPLES CAN BE DERIVED FROM A HISTORICAL UNDERSTANDING OF THE RESIDENTIAL BUILDING CULTURE ON WEST-JAVA AND HOW CAN AN UNDERSTANDING OF THOSE CONTRIBUTE TO THE ESTABLISHMENT OF PRINCIPLES FOR A CONTEMPORARY LOCALLY FOUNDED RESIDENTIAL ARCHITECTURE?
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VERNACULAR

COLONIAL
NATIVE HOUSING

COLONIAL
EUROPEAN HOUSING

CONTEMPORARY
SHOPHOUSE

HISTORICAL DEVELOPMENTS
THEMATIC RESEARCH
RESEARCH RESULTS

FOUNDATION & FLOOR

WALL

ROOF

CONCLUSIONS FUTURE PRINCIPLES
RESEARCH & ANALYSIS

CONCLUSION

SINGLE HOUSE - LIGHTWEIGHT BUILDING METHOD

TERRACED HOUSE - STONE BUILDING METHODS

CONCLUSIONS FUTURE PRINCIPLES
THE OBJECTIVE IS TO REVITALISE THE VALUES OF HERITAGE, COMMUNITY AND ENVIRONMENT, THROUGH THE DEVELOPMENT OF AN URBAN AND ARCHITECTURAL STRATEGY, BASED ON NEW LIVE-AND-WORK TYPOLOGIES FOR THE PASAR BARU AREA, IN ORDER TO CREATE A PLEASANT INNER-CITY LIVE-AND-WORK ENVIRONMENT AND TO STOP THE PROCESS OF DECAY.

DESIGN QUESTION

HOW CAN THE DESIGN OF NEW INNER-CITY LIVE-WORK TYPOLOGIES FOCUSED ON THE VALUES OF HERITAGE, COMMUNITY AND ENVIRONMENT CREATE A PLEASANT INNER-CITY LIVE-AND-WORK ENVIRONMENT AND TO STOP THE PROCESS OF DECAY IN THE PASAR BARU AREA?
DESIGN

URBAN GUIDELINES
BUILDING ENVELOPE

SHOPPING STREET

URBAN POCKET

ARCADE BOULEVARD

MIN. VOLUME
MAX. VOLUME

URBAN GUIDELINES FOR THE DENSIFICATION IN SECTION
DESIGN
URBAN GUIDELINES
BUILDING ENVELOPE

SHOPPING STREET

URBAN POCKET

ARCADE BOULEVARD

TERRACED BUILDING

SINGLE HOUSE, MIN. 24 M²

TERRACED BUILDING

MIN. AREA

MAX. AREA

URBAN GUIDELINES FOR THE DENSIFICATION IN FLOOR PLAN
DESIGN

URBAN GUIDELINES
SOCIAL INTERACTION

DESIGN FRONT-TO-FRONT TYPOLOGIES AND STIMULATE SOCIAL INTERACTION
DESIGN
URBAN GUIDELINES
COMMERCIAL & RESIDENTIAL FUNCTIONS

1. 50% HOUSING & 50% RETAIL AT THE STREET SIDE
2. 100% HOUSING IN THE URBAN POCKET
3. CREATE SPACE FOR STREET VENDORS

URBAN GUIDELINES FOR THE PROGRAMME
DESIGN
URBAN GUIDELINES
TECHNIQUE & CLIMATE

1. MAINTAIN EXISTING STRUCTURES
2. CONSTRUCT SIMPLE, BUT ARCHITECTONICALLY EXPRESSIVE STRUCTURES
3. USE NATURAL BUILDING MATERIALS
1. The roof should stimulate natural ventilation

2. Implement plants and grasses into the skin of the building and the public spaces

3. Apply minimum sizes to create a healthy indoor environment
3D SECTION OF THE DESIGN
DESIGN IMPLEMENTATION
MR. GAGAN

MR. GAGAN - SHOPOWNER

MR. FIRMAN - STREET VENDOR

MS. KIRANA - CUSTOMER

MRS. ENOK - RESIDENT OF THE URBAN POKECT

FROM THE PERSPECTIVE OF MR. GAGAN
MR. GAGAN LEAVES THE PASAR BARU AREA
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MR. GAGAN

LEGEND
COMMERCIAL
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INVESTMENT IN APARTMENTS
DESIGN
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LATIFAH & MR. JOKO

LATIFAH - RECENTLY GRADUATED FROM UNIVERSITY

MR. JOKO - LABOUR IMMIGRANT

NEW INHABITANTS OF THE PASAR BARU AREA
THE INHABITANTS AND THEIR PREFERENCES

LATIFAH
APARTMENT IN THE CITY CENTRE, WHERE SHE CAN RAISE A FAMILY

MR. JOKO
SMALL HOUSING CLOSE TO HIS WORK

MR. FIRMAN
SPACE FOR STREET VENDING

MR. GAGAN
MAINTAIN THE SHOP
DESIGN
IMPLEMENTATION
THE RESIDENTIAL TOP-UP

3D SECTION OF THE MINI-MARKET & THE APARTMENTS
DESIGN
IMPLEMENTATION
TECHNIQUE

3D SECTION OF THE MINI-MARKET & THE APARTMENTS
DESIGN
IMPLEMENTATION
TECHNIQUE

3D SECTION OF THE MINI-MARKET
3D SECTION OF THE APARTMENTS
THE BUILDING SYSTEM

DESIGN
IMPLEMENTATION
TECHNIQUE
DESIGN
IMPLEMENTATION
TECHNIQUE

CLIMATICALLY OPEN  POTENTIALLY CLOSED  PRIVACY

ZONES OF COMFORT IN THE RESIDENTIAL SECTION
DESIGN
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FACADE Jl. OTTO ISKANDAR DINATA

FACADE OF THE TIMBER TOP-UP
DESIGN
IMPLEMENTATION
FACADE Jl. OTTO ISKANDAR DINATA

FACADE OF MINI-MARKET
DESIGN
IMPLEMENTATION
FACADE URBAN POCKET SIDE
GREEN FACADE IN DETAIL
DESIGN
IMPLEMENTATION
FACADE URBAN POCKET SIDE

CURTAIN CREEPER
PEACOCK BAUHINIA
BOWER VINE

VARIEGATED PHILODENDRON
RAGOON CREEPER
MAIDENS JEALOUSY

COLLECTION OF PLANTS FOR THE GREEN FACADE
STIMULATION OF NATURAL VENTILATION
DESIGN IMPLEMENTATION
MRS. ENOK

MR. GAGAN - SHOPOWNER

MR. FIRMAN - STREET VENDOR

MS. KIRANA - CUSTOMER

MRS. ENOK - RESIDENT OF THE URBAN POKECT
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IMPLEMENTATION
URBAN POCKET
DESIGN IMPLEMENTATION
SECTION CITY BLOCK

DESIGN OF THE ENTIRE CITY BLOCK SECTION
DESIGN
IMPLEMENTATION
SECTION OF THE CITY BLOCK

AXONOMETRIC VIEW OF THE SIDE MODEL
DESIGN
CONCLUSIONS
HERITAGE, COMMUNITY & ENVIRONMENT
REFLECTION

1. INTERESTING SEARCH FOR A CONTEMPORARY BUILDING METHOD BASED ON VERNACULAR KNOWLEDGE

2. DISCOVER MORE POSSIBLE DESIGN CONFIGURATIONS WITHIN THE URBAN GUIDLINES
TERIMA KASIH!

THANK YOU!