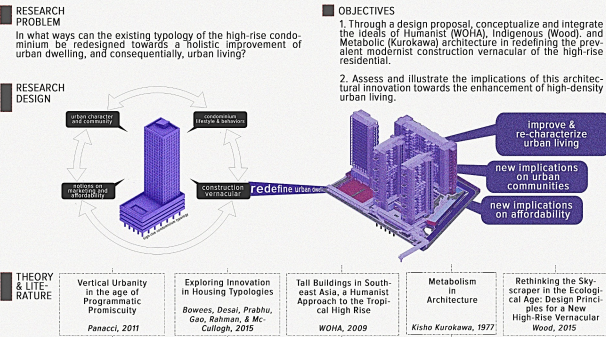


A HUMANIST-METABOLIC CONFIGURATION OF THE RESIDENTIAL HIGH-RISE: ENRICHING URBAN LIVING THROUGH SELECTABILITY AND CUSTOMIZABILITY IN URBAN DWELLING TYPOLOGIES

The residential condominium typology is not only a typology of a building but a typology of urban living. However, residential condominiums as we know them now are detrimental in two key aspects: their social impacts on the city (social exclusion, deepening spatial inequalities) and their myriad impacts on the individual, definitive to what is referred to as the condominium lifestyle.

This project seeks to redefine the typology of urban living, by re-examining the typology of the urban dwelling: the ubiquitous, problematic, and currently increasing paradigm that is the high-rise residential. New Living models, Alternative Construction Methods, Re-imagined Communities, and New Notions of Affordability are the main toolkits in designing this project.

The ideals of Metabolist architecture (Kisho Kurokawa) and humanist architecture (WOHA Architects) are integrated in this design project. It is proposed that customizability and selectability in modular pre-fabrication (Kurokawa, 1982), safe concurrent assembly, climate response, building indigeneity, and the scale of human desires and functions are keys toward reshaping urban dwelling to its next frontier, therefore redefining urban living — one that nourishes the individual, the community, and the city — in the midst of urban density.



**SITE DESCRIPTION**  
Floor Area: 12,731 sq.m  
Land-use: Residential 3  
Occupancy Category: Group B (High-rise Residential)

At the cusp of Mandaluyong and Pasig is the Ortigas CBD, whose development is prompted by mall development concurrent on its eastern side. In this CBD, many local corporate institutions made headquarters, and as anticipated, condominium development followed suit.



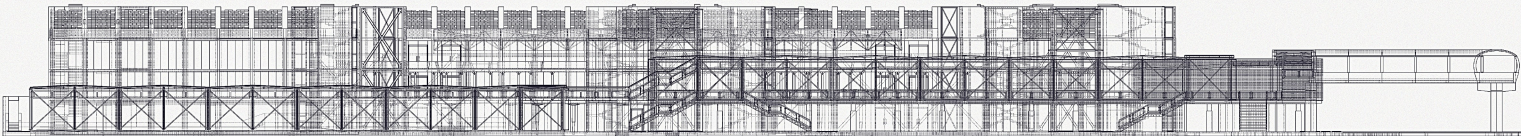
CROSS SECTION



EXTERIOR WALKWAY AND PEDESTRIANIZED FRONTAGE



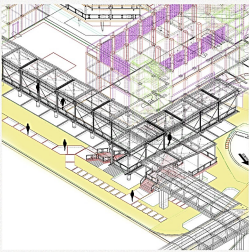
AERIAL PERSPECTIVE OF BUILDING A FACADE



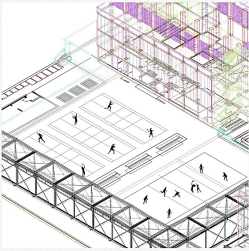
FRONT ELEVATION DETAIL: EXTERIOR WALKWAY



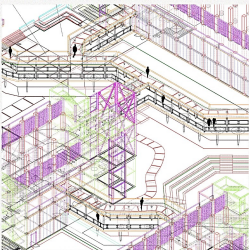
A HUMANIST-METABOLIC CONFIGURATION OF THE RESIDENTIAL HIGH-RISE: ENRICHING URBAN LIVING THROUGH SELECTABILITY AND CUSTOMIZABILITY IN URBAN DWELLING TYPOLOGIES



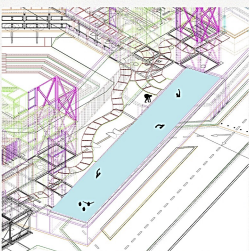
1. PEDESTRIANIZED FRONTAGE WITH WALKWAY LEVELS



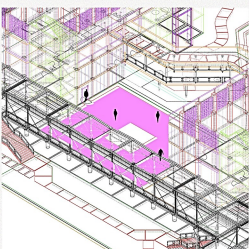
2. SPORTS FACILITIES



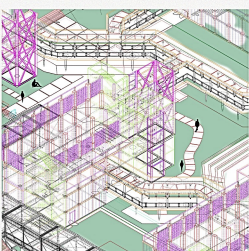
3. INTERCONNECTING WALKWAYS



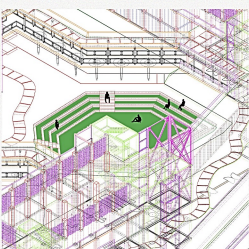
4. POOL AND GARDEN LOUNGE



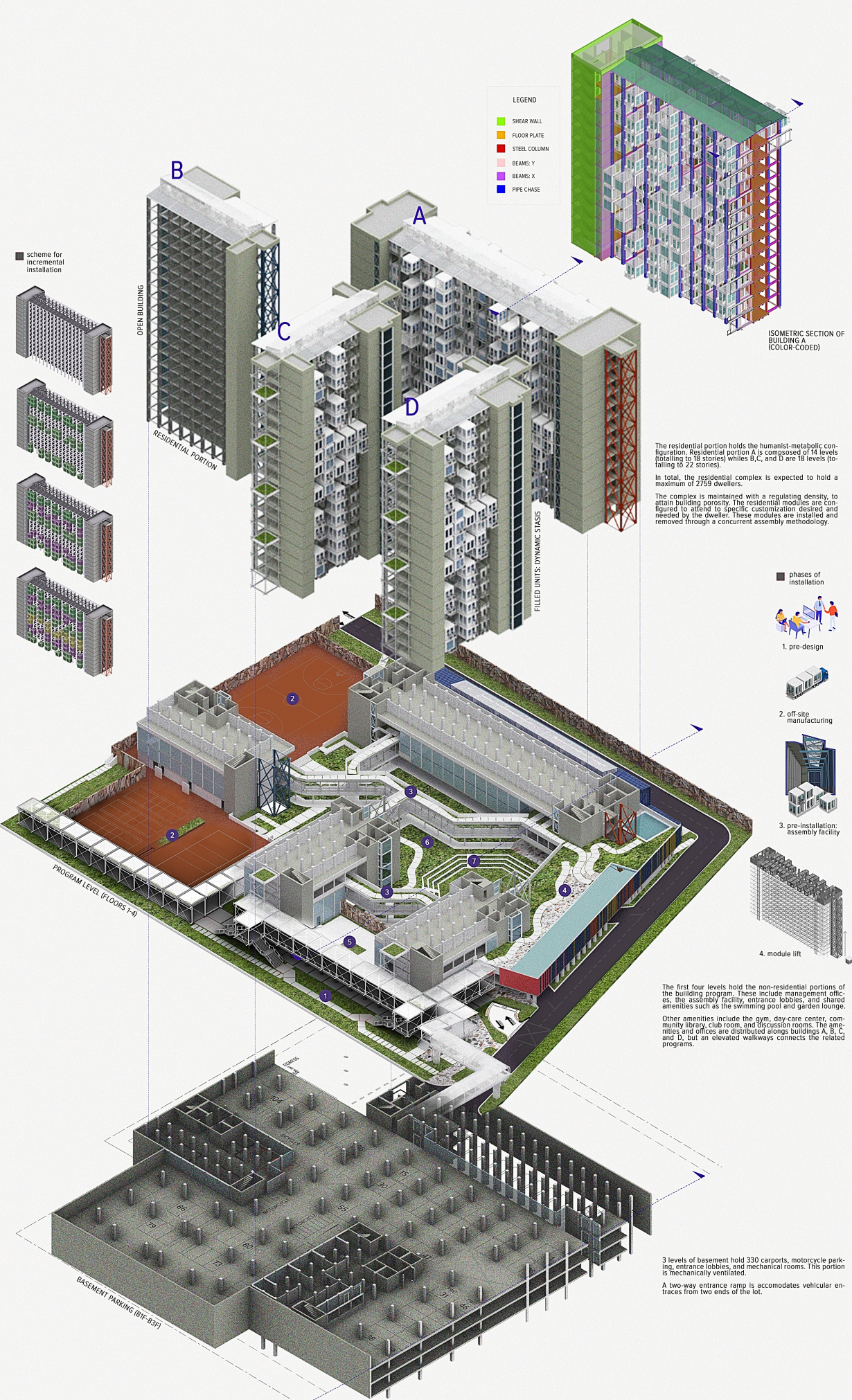
5. COMMERCIAL PLAZA



6. GARDEN COURTYARD



7. SMALL AMPHITHEATER





A HUMANIST-METABOLIC CONFIGURATION OF THE RESIDENTIAL HIGH-RISE: ENRICHING URBAN LIVING THROUGH SELECTABILITY AND CUSTOMIZABILITY IN URBAN DWELLING TYPOLOGIES

- NOVEL APPROACHES IN URBAN DWELLING: AS GATHERED FROM PRECEDENT STUDIES
- metabolic architecture
  - capsule
  - open building
  - recontextualized balconies
  - operable louvers
  - vegetation as building material
  - cellular interior framework
  - flexible interior partitions
  - opportunity for extension
  - micro-living
  - smart units
  - demand-based programming
  - passive air entries
  - expression of individuality
  - pre-fabrication
  - modular assembly

INTEGRATING CONCEPTS IN A HUMANIST APPROACH TO THE TROPICAL HIGH-RISE (WOHA, 2009) AND METABOLISM IN ARCHITECTURE (1977)

climatic response   incorporation of nature   building indigenity   designing for the scale of human desires & functions   celebrating the individual   selection and customization   modular assembly   temporal and spatial flexibilities

GATHERING OF SPECIFIC DESIGN OBJECTIVES FROM A CRITICAL REVIEW OF NAKAGIN CAPSULE TOWER (LIN, 2011) (KUROKAWA, 1977)

- No selectability and customizability in capsular living
- Capsule design is not humanized: too small, too mechanical, no operable window, overall restrictive
- Relies on construction phase and crane installation
- No selectability and customizability in capsular living
- Integrate humanist principles (climate response, designing for the scale of human functions and desires, building indigenity) in metabolic configurations
- allow for safe concurrent assembly

development of concurrent assembly procedure

development of the humanist-metabolic configuration

