MID-CITY CENTRAL

A NEW PERSPECTIVE ON AIRPORT-CENTERED COMMUNITIES IN THE 21ST CENTURY
CONTENT

// CONTEXT
// URBAN STRATEGY
// ARCHITECTURAL CONCEPT
// PROPOSED DESIGN
// REFLECTION
CONTEXT
CHICAGO, ILLINOIS

KEEP CALM

AND LIVE THE

AMERICAN DREAM
“CHICAGO IS ONE OF THE RARE PLACES WHERE ARCHITECTURE IS MORE VISIBLE.”

FRANK GEHRY
“EVENTUALLY, I THINK CHICAGO WILL BE THE MOST BEAUTIFUL GREAT CITY LEFT IN THE WORLD.”

FRANK LLOYD WRIGHT
CHICAGO: A CAR DEPENDENT & DOWNTOWN ORIËNTEED CITY
BOUNDARIES

SEPARATING WALL

ALL EDGES: URBANIZED

HIGHWAY CROSSES AREA

LOCATION OF SUSTAINABLE FEATURES

DWELLINGS NEIGHBORING DIRECTLY WITH AIRPORT
WALKABILITY
DIVERSITY IN PUBLIC SPACE
SOCIAL INTERACTIONS IN ALL CLIMATIC CONDITIONS
AIRPORT AREA AS A DESTINATION
ARCHITECTURAL CONCEPT
CONCEPT

VISIBLE FLOWS

RESIDENTIAL COMMUNITY AROUND A PUBLIC TRANSIT HUB

PEOPLE FLOW  TRAFFIC FLOW  NATURE FLOW  SERVICE FLOW  ... FLOW ...
VISIBLE FLOWS

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PEOPLE FLOW  TRAFFIC FLOW  NATURE FLOW  SERVICE FLOW  FLOW
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FLOW...
CORE VALUE INTENTIONS

URBAN AND LOCAL
INTERLOCK AS THE PARK
CONTINUES AROUND, INTO
AND OVER THE BUILDING
CORE VALUE INTENTIONS

URBAN AND LOCAL INTERLOCK AS THE PARK CONTINUES AROUND, INTO AND OVER THE BUILDING

IMPROVED PHYSICAL CONNECTION BETWEEN AIRPORT, NEIGHBORHOOD AND CITY
CORE VALUE INTENTIONS

Urban and local interlock as the park continues around, into and over the building.

Improved physical connection between airport, neighborhood and city.

Circulation for different target groups is both visible and continuous.
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Improved physical connection between airport, neighborhood and city.

Circulation for different target groups is both visible and continuous.

Public space that supports interaction in a variety of climatic conditions.
CORE VALUE INTENTIONS

- Urban and local interlock as the park continues around, into and over the building
- Improved physical connection between airport, neighborhood and city
- Circulation for different target groups is both visible and continuous
- Public space that supports interaction in a variety of climatic conditions
- New suburban way of dwelling that supports mix of use and target groups
CONNECTING NEIGHBORHOOD AND AIRPORT...
...CREATING TRIANGULAR SPACES
EMPHASIZING LINEARITY OF URBAN INTERVENTION
INSPIRATION

MEKELPARK BY MECANOO
FINAL PROGRAM

- Usable Roof: 22,000 m², 4,270 m²
- Offices: 6,650 m², 2,160 m²
- CTA / Bus Station: 1,500 m², 1,950 m²
- Parking: 6,000 m², 9,250 m²
- Commercial / Retail: 7,500 m², 12,700 m², 1,940 m²
- Hotel & Catering Industry: 10,000 m², 8,560 m², 0 m²
- Residential: 25,000 m², 21,000 m², 9,700 m²
- Public Space: 17,900 m², 4,820 m²

Total: 25,000 m²
Final Program

**Footprint**
- 5320 M²

**Gross Surface Area**
- 25,000 M²

**Main Focus Program Dwelling**

**Single Family Dwelling Typology**
- 215 M² (2300 SQFT)
- Suburban Area
- 3 Bedroom House with Garden

**Introducing:**
Other Ways of Single Family Dwelling
- Not sprawling but stacking the current typology: Vertical Cities
- Responding to the growing demand for single family apartments

X33 dwellings

X27 dwellings
INSPIRATION

HABITAT '67 BY MOSHA SAFDIE
INSPIRATION

MOUNTAIN DWELLINGS BY PLOT (BIG + JDS)
PROPOSED DESIGN
DEVELOPMENT BASE GRID

Scaling while maintaining proportions

Six possible orientations by rotation
GRID SCALING
PLANWIDE BASE GRID AS REPEATABLE MODULE
FORM PROPOSAL
HEIGHT CONSTRAINTS

HEIGHT FLUCTUATIONS CORRESPONDING TO SIGHT LINES: LOW POINTS TO WALK IN AND HIGH POINTS TO VIEW OVER
SOFTENING OF BORDER TOWARDS AIRPORT

ADDITION TO FORM TO SOFTEN BOUNDARY TOWARDS AIRPORT
FORM MUTATION TOWARDS URBAN FIT

GROUND FLOOR RESTRICTIONS DUE TO URBAN CONTEXT: ROADS CUT THROUGH THE BUILDING
ATRIA DEVELOPMENT

DIAMOND SHAPED ATRIA CUT OPEN THE BUILDING MASS TO FORM INTERCONNECTED PUBLIC SPACES
URBAN AND LOCAL INTERLOCK AS THE PARK CONTINUES AROUND, INTO AND OVER THE BUILDING
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GLASS ATRIUMS TO PROVIDE NATURAL LIGHT AND VENTILATION
URBAN AND LOCAL INTERLOCK AS THE PARK CONTINUES AROUND, INTO AND OVER THE BUILDING

GREEN ROOFS TO PROVIDE GARDENS AND NATURAL DRAINAGE STORMWATER
Urban and local interlock as the park continues around, into and over the building.

Primary exterior facade - commercial & elegant.
URBAN AND LOCAL INTERLOCK AS THE PARK CONTINUES AROUND, INTO AND OVER THE BUILDING

SECONDARY EXTERIOR FACADES - INTIMATE & RUSTIC
INSPIRATION

BISMUTH CRYSTAL
INSPIRATION

OWENSBORO CONVENTION CENTER BY TROHAN ARCHITECTS
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PUBLIC SPACE THAT SUPPORTS INTERACTION IN A VARIETY OF CLIMATIC CONDITIONS
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Public space that supports interaction in a variety of climatic conditions.

Ventilation through buoyancy and stack effect.
PUBLIC SPACE THAT SUPPORTS INTERACTION IN A VARIETY OF CLIMATIC CONDITIONS

IN WINTER THE ATRIA ARE NOT FULLY HEATED; ONLY LOCALLY WHERE NECESSARY
PUBLIC SPACE THAT SUPPORTS INTERACTION IN A VARIETY OF CLIMATIC CONDITIONS

HEAT COVERY & HEAT STORAGE PROVIDE COMFORTABLE SPACE WITH SMART USE OF ENERGY
PUBLIC SPACE THAT SUPPORTS INTERACTION IN A VARIETY OF CLIMATIC CONDITIONS

GREEN POCKETS PROVIDE NATURAL INSULATION, BETTER ACOUSTICS & CLEANER AIR
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NEW SUBURBAN WAY OF DWELLING THAT SUPPORTS MIX OF USE AND TARGET GROUPS
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