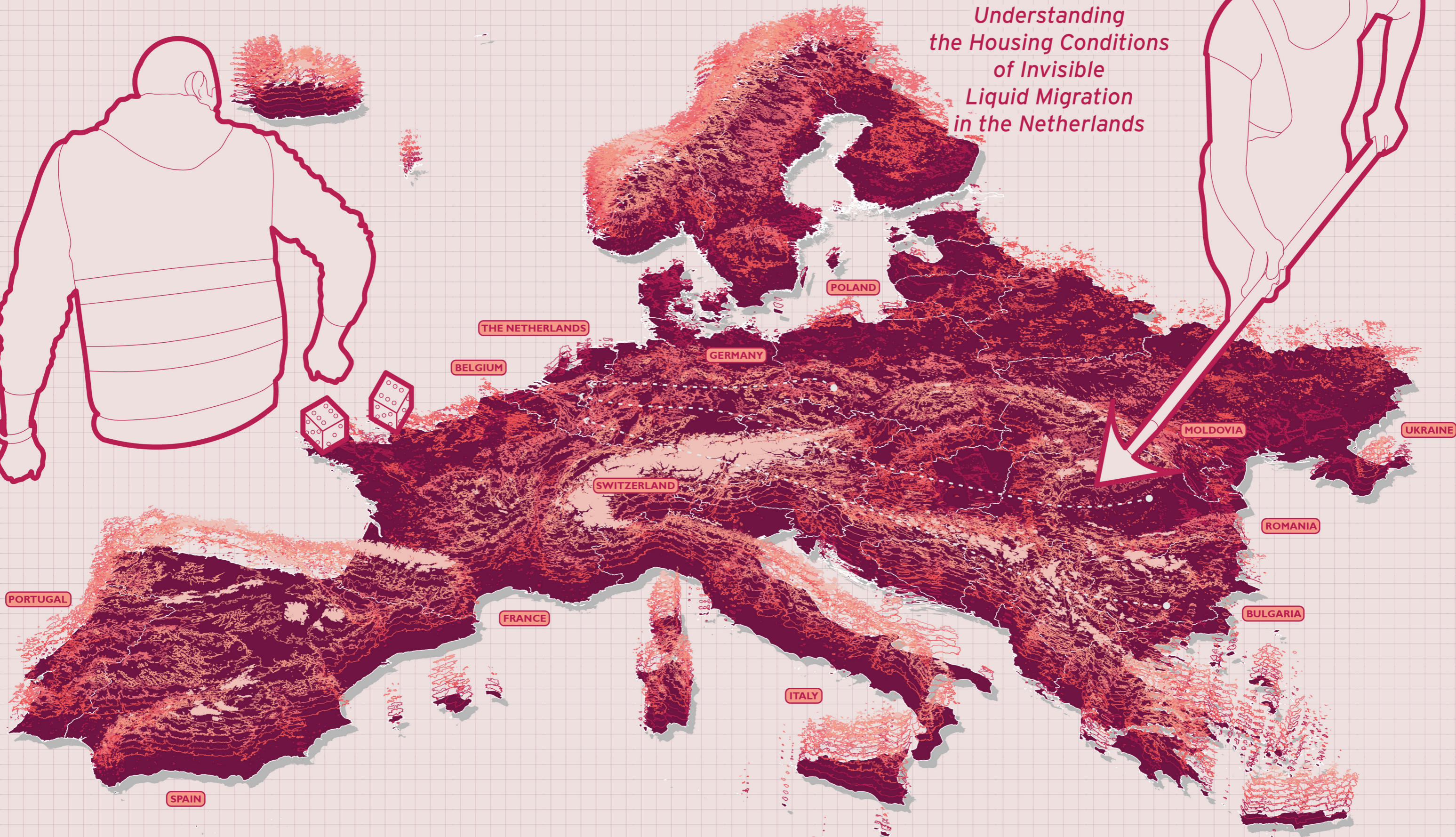
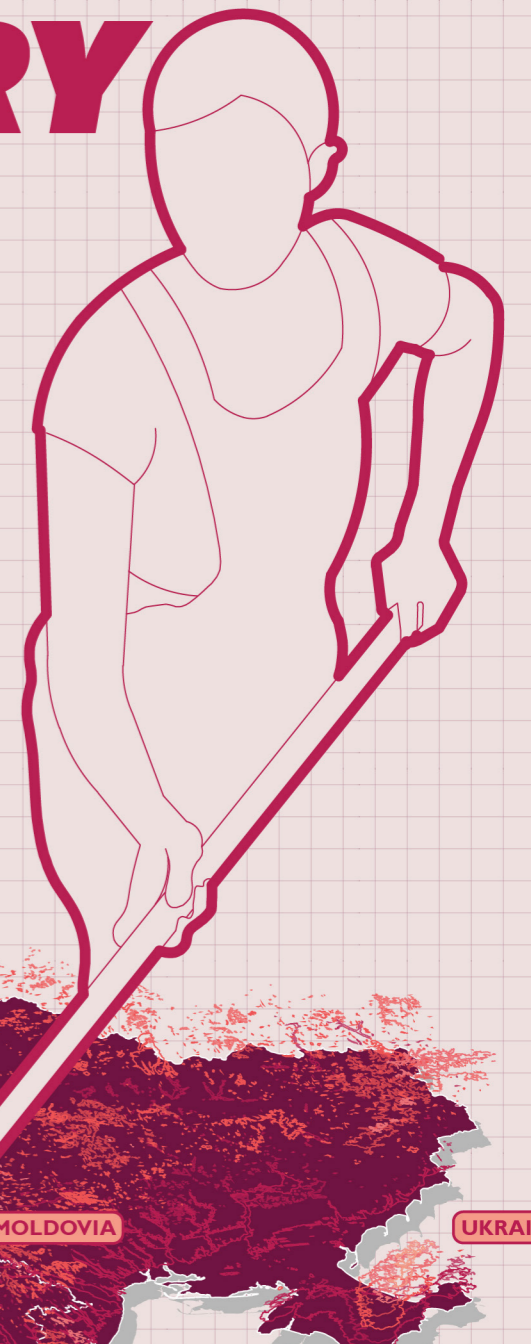


# TEMPORARY BEINGS

Understanding  
the Housing Conditions  
of Invisible  
Liquid Migration  
in the Netherlands



DISTRIBUTION CENTRES,  
GREENHOUSES  
AND FARMLANDS  
OCCUPY MAJOR PARCELS  
OF THE TOTAL LAND AREA  
OF THE NETHERLANDS

**Legend**

- Discontinuous Urban Fabric
- Distribution Centres
- Farmlands
- Farmlands
- Country Territories
- Hydrography
- Railways
- Roadways

Fig: Production Landscapes of Greenhouses + Farmlands + Distribution Centres  
Source: Open Source Data by Merten Neefs was used to produce these maps



Fig: The Linear Deceiving Landscape

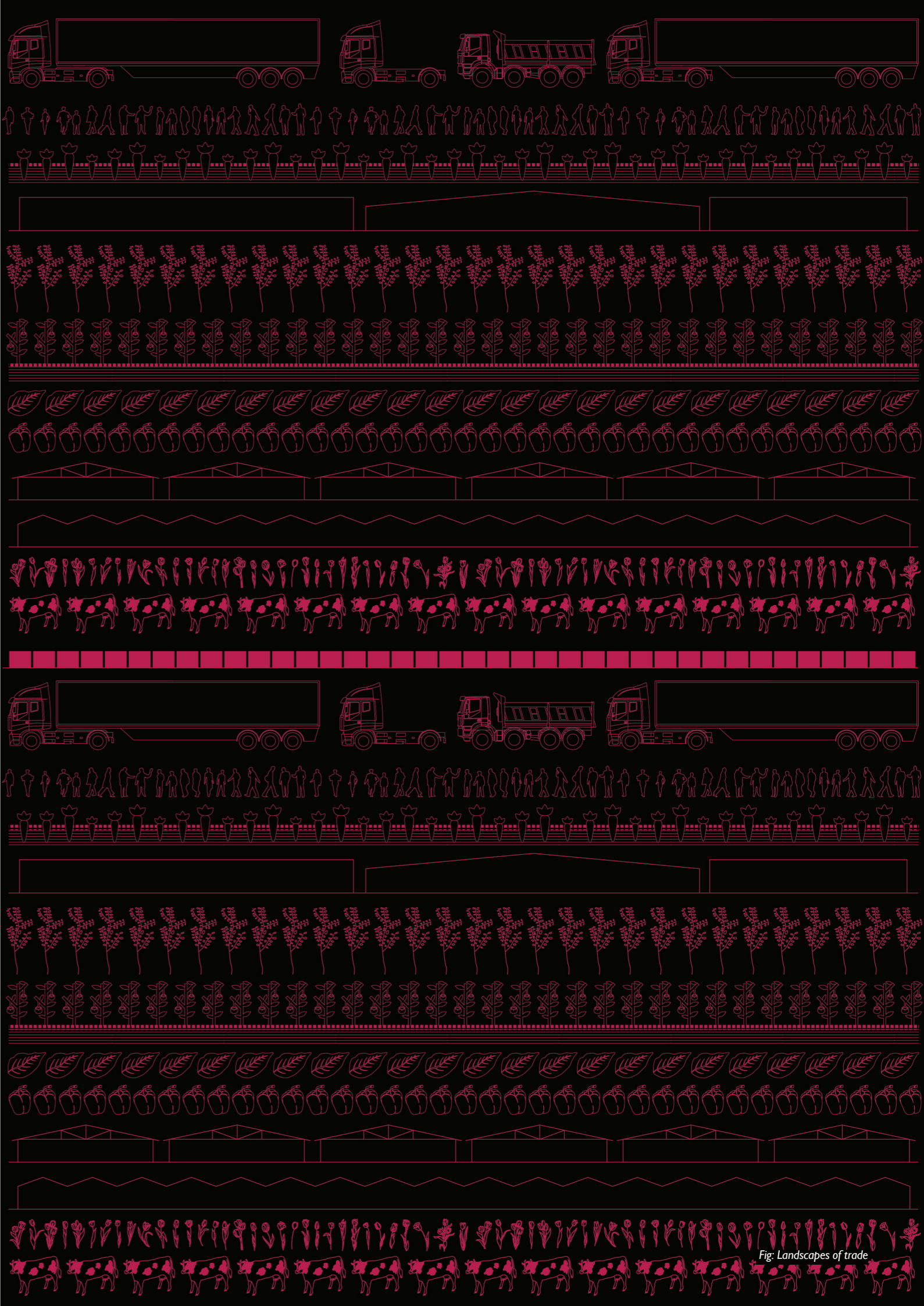
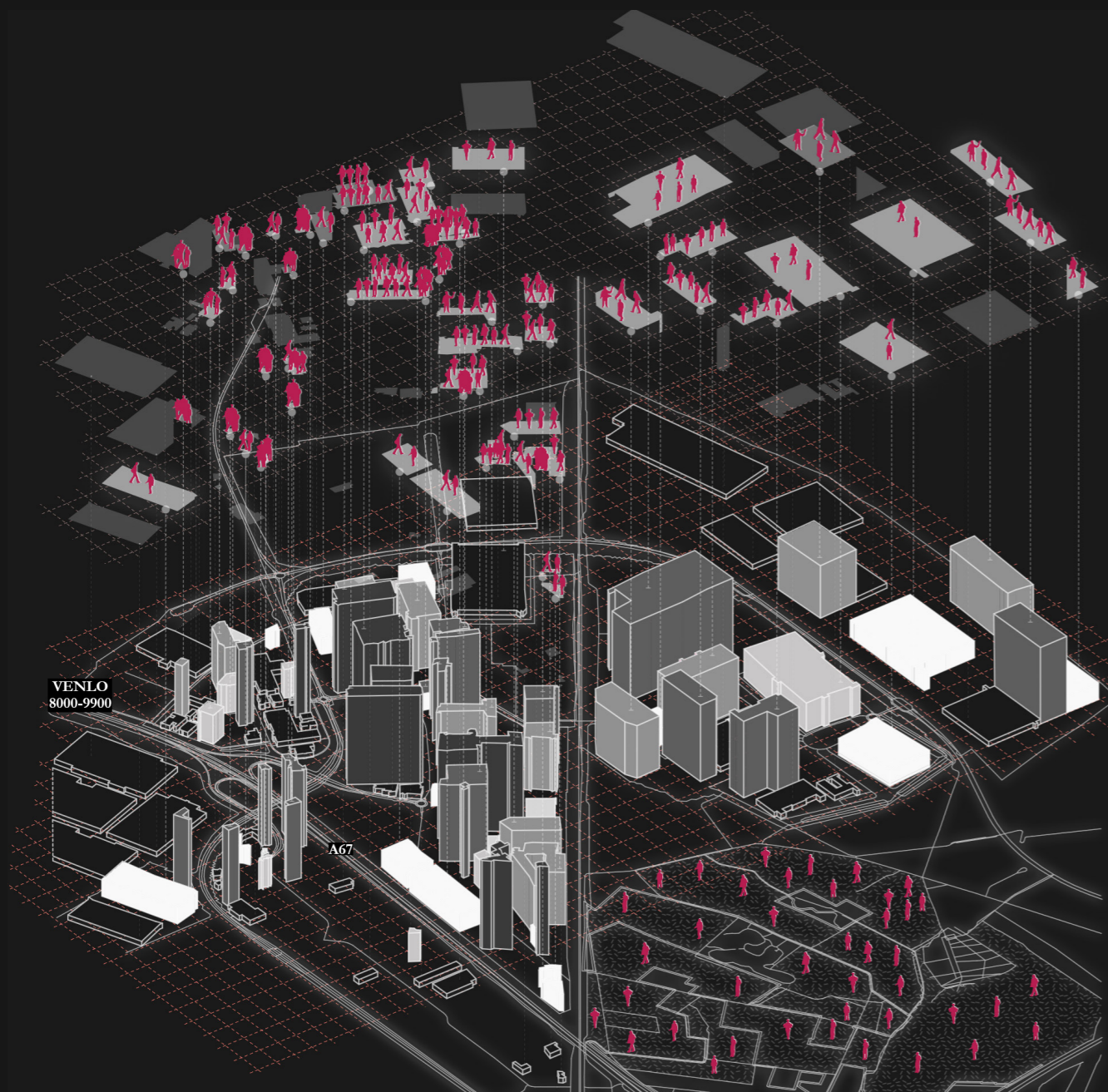


Fig: Landscapes of trade



The Unboxed Landscape of the Volume of Employed Migrant Workers



The Unboxed Landscape of the Volume of Produced Goods and Services

**Legend**

- Very High Jobs (>160 jobs/ha)
- High Jobs (80-160 jobs/ha)
- Medium Jobs (40-80 jobs/ha)
- Low Jobs (20-40 jobs/ha)
- Very Low Jobs (1-20 jobs/ha)
- No data available/To be speculated further
- Agricultural farmlands of production

Fig 29: A City Formation in The Production Landscape (People)  
Source: Open-source datasets by Merten Neefs were used for producing these maps

**Legend**

- Transport and Logistic Services (>500 m2 & <2500 m2)
- Transport and Logistic Services (2500 m2 - 10000 m2)
- Transport and Logistic Services (10000 m2 - 20000 m2)
- Transport and Logistic Services (20000 m2 - 40000 m2)
- Transport and Logistic Services (>40000 m2)
- Trade, Import, Export (>500 m2 & <2500 m2)
- Trade, Import, Export (2500 m2 - 10000 m2)
- Trade, Import, Export (10000 m2 - 20000 m2)
- Trade, Import, Export (20000 m2 - 40000 m2)
- Trade, Import, Export (>40000 m2)
- Agricultural farmlands of production

Fig: A City Formation in The Production Landscape (Goods and Services)  
Source: Open-source datasets by Merten Neefs were used for producing these maps

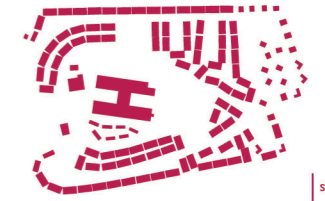
VENRAY

OOSTRUM

AMERICA

MEIJEL

MAASBREE



scale 0.5x

HOUSING ATTRIBUTES

Length of Stay

LONG STAY

30 rooms ; 92 beds  
Couples & singles

Dwelling Density

MODULAR TOWER

Mixed Occupancy

NO

Stakeholders

REAL ESTATE DEVELOPER,  
TEMPORARY AGENCY

FACILITIES & AMENITIES

Physical Fitness Facilities

GYMNASIUM

Designated Car Parking

YES

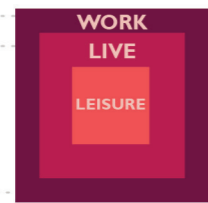
Proximity to Essentials



Community Facilities

- Indoor
- Outdoor

INDOORS



EMPLOYMENT & MOBILITY

Proximity to Workplace

ON-SITE

Occupational Sector

LOGISTICS

Length of Stay

LONG STAY

PHYSICAL ENVIRONMENT

Degree of Isolation



Integration with City Vibrancies



Visual Barrier Measures

SOME TREES, DRAW SECTION

Degree of privacy

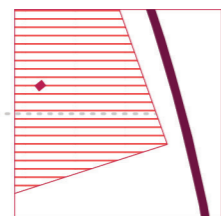


SPACE UTILISATION

Major Zoning Areas



TOTAL AREA=3724 sq.m.



SHORT STAY

60 modules ; 240 beds  
Couples & singles

MODULAR UNITS

NO

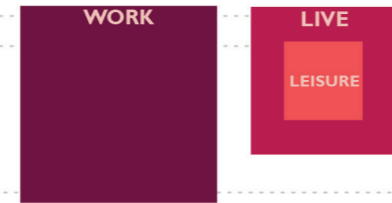
REAL ESTATE DEVELOPER

GYMNASIUM

YES



INDOORS



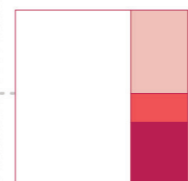
ON-SITE &  
OFF-SITE

LOGISTICS

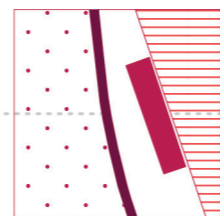
LONG STAY



SOME TREES, DRAW SECTION



TOTAL AREA=28557 sq.m.



SHORT STAY

50 homes ; 300 beds  
Couples & singles

FIXED LONG MODULAR UNITS

NO

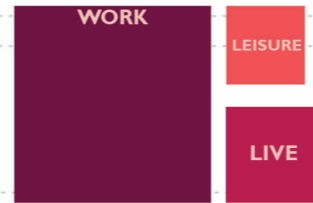
COMPANY OWNER

NOT PROVIDED

YES



OUTDOORS



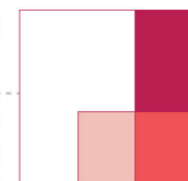
ON-SITE

AGRICULTURE

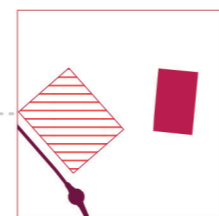
SHORT STAY



SOME TREES, DRAW SECTION



TOTAL AREA=23000 sq.m.



SHORT STAY

200 rooms ; 400 beds  
Couples

LONG MODULAR UNITS

NO

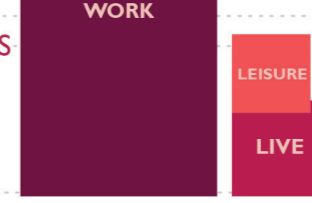
REAL ESTATE DEVELOPER,  
TEMPORARY AGENCY

GYMNASIUM & SPORTS GROUNDS

YES



INDOORS  
OUTDOORS



OFF-SITE

LOGISTICS

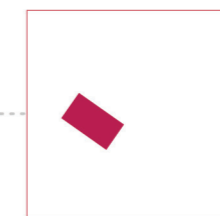
LONG STAY



SOME TREES, DRAW SECTION



TOTAL AREA=37472 sq.m.



SHORT STAY

127 modules ; 750 beds  
Couples x Singles

MODULAR - HOLIDAY PARK

NO

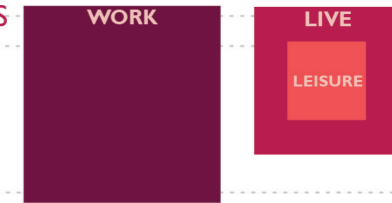
TEMPORARY HOUSING AUTHORITY

GYMNASIUM

YES



INDOORS



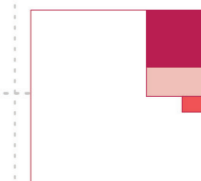
OFF-SITE

GREENHOUSE & POWERPLANT

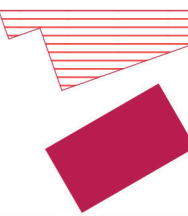
LONG STAY



SOME TREES, DRAW SECTION



TOTAL AREA=91000 sq.m.



Working zone Living zone Parking zone Leisure zone Existing urban fabric Industrial zone Isolated zone Major roads

	VENLO	PANNINGEN	EGCHEL	BAARLO	MEIJEL
<b>HOUSING ATTRIBUTES</b>					
Length of Stay	N.A.	MID STAY	MID STAY	MID STAY	SHORT STAY
Dwelling Density	172 rooms & 9 apartments; 317 beds	20 apartments ; 48 beds	50 modules ; 200 beds	10 apartments ; 10 x 2 beds	35 rooms ; 70 beds
Housing Typology	Couples & singles	Couples & singles	Couples & singles	Couples	Couples x Singles
Mixed Occupancy	TRANSFORMATION	MODULAR TOWER with exoskeleton	MODULAR UNITS	LONG MODULAR UNITS	TRANSFORMATION
Stakeholders	NO	YES, with other vulnerable groups	NO	YES, with other vulnerable groups	YES, with other vulnerable groups
	TEMPORARY HOUSING AUTHORITY	CITY HOUSING AUTHORITY	COMPANY OWNER	REAL ESTATE DEVELOPER, TEMPORARY AGENCY	COMPANY OWNER
		MUNICIPALITY	TEMPORARY AGENCY		TEMPORARY AGENCY
<b>FACILITIES &amp; AMENITIES</b>					
Physical Fitness Facilities	GYMNASIUM	SPORTS FIELD	GYMNASIUM & SPORTS FIELD	GYMNASIUM	NOT PROVIDED
Designated Car Parking	YES	YES	YES	YES	YES
Proximity to Essentials					
Community Facilities	INDOORS	NONE	OUTDOORS	INDOORS	INDOORS
	WORK	WORK	WORK	WORK	WORK
	LIVE	LIVE	LIVE	LIVE	LIVE
	LEISURE		LEISURE	LEISURE	
<b>EMPLOYMENT &amp; MOBILITY</b>					
Proximity to Workplace	OFF-SITE	OFF-SITE	ON-SITE	OFF-SITE	OFF-SITE
Occupational Sector	N.A.	N.A.	GREENHOUSE	N.A.	N.A.
			↓		
Length of Stay	N.A.	N.A.	MID STAY	N.A.	N.A.
<b>PHYSICAL ENVIRONMENT</b>					
Degree of Isolation					
Integration with City Vibrancies					
Visual Barrier Measures	SOME TREES, DRAW SECTION	SOME TREES, DRAW SECTION	SOME TREES, DRAW SECTION	SOME TREES, DRAW SECTION	SOME TREES, DRAW SECTION
Degree of privacy					
<b>SPACE UTILISATION</b>					
Major Zoning Areas					
Space Efficiency	TOTAL AREA=36000 sq.m.	TOTAL AREA=2730 sq.m.	TOTAL AREA=18000 sq.m.	TOTAL AREA=2656 sq.m.	TOTAL AREA=700 sq.m.

Fig: Housing Catalogue 6-10  
Source: Author

