

IN-BETWEEN OTHERS
DECONSTRUCTING DICHOTOMIES OF (POWER) BODIES

LENNEKE SLANGEN

GRADUATION BOOK
ARCHITECTURAL DESIGN CROSSOVERS

"In-Between Others". Between you and me, them and they. Between that what is familiar, and that which is secret, hidden in the unknown.

The course of my graduation project derived from the known. Though quickly, I jumped to the unknown. Looking for what could be other, of what could establish a broader, renewed perspective on realities. Large distances that need to be crossed to acquire (mutual) understandings. Large distances need to be diminished. Sometimes they appear too large. Where the project derived from, it was familiar. Though it never felt save.

This book is a collection of the work as produced during the year of graduation (2021-2022). It visualizes the search that accompanied the topic of research, and my personal fascinations that has led me to the resulting graduation project.

Many thanks to all that supported me throughout the year. As it was tough, as it was loved. Special thanks to my mentors, Alper, Freek, and Joran. For all the time, support, and critiques. You have given me the ability to reach beyond. Eventhough at times, it was a challenge, may it be for both. It was an incredible journey. Endless love to my family, for the year that is has been. For what was, and what will be. To my friends, and loved ones, that have been my support throughout it all. You have given me the strength to be, to pursue.

Lenneke

i	PROLOGUE
ii	CONTENT
iii	READING GUIDE
01	RESEARCH INTRODUCTION
02	RESEARCH REPORT
03	DESIGN DESCRIPTION
04	RESEARCH ESSAY
05	DESIGN REPORT
06	DESIGN PROJECT
07	REFLECTION

01 RESEARCH INTRODUCTION - The first chapter, "The Alternative Gender Construct", addresses the preliminary research plan as composed. The ultimate research into othering practices, derived from an interest into gender binaries. Chapter one, shares preliminary perspectives on research approach, -questions, -objectives, used framework, methodology/methods, and arguments on relevance, specifically, addressing the othering of gender.

Keywords: gender, (heterogeneous) city, infrastructure space, (human) body, architecture

02 RESEARCH REPORT - Chapter two, includes the transition of research from gender binaries, towards a broader systemic of research into social constructs, specifcally, othering practices. "(In-Between) Relations of Othering in Contemporary Heterogeneous Cities", includes the specification into the conducted research framework and -objectives.

Keywords: bodies, dichotomies, heterogeneous city, heterotopia, in-between, institutions, model of relations, othering practices, power.

03 DESIGN DESCRIPTION - In the third chapter, "(De)Constructing Power in the Institutional Interspace", the assignment is specified towards the research framework and -objectives, with a first translation towards a potential design project.

Keywords: power (structures), bodies, cities, architectures, othering, institutions, bodies-cities, interspace, inbetween, body politics, embodiment

04 RESEARCH ESSAY - In Four, the specific research questions, objectives and framework were investigated resulting in the final graduation' research. The research essay includes both the research of (philosophical) theories (Part A), as the

testing of these theories for applicability (Part B). Chapter four, specifies a potential operationalization of the in-between, and the specification of design objectives (location, operationality, strategization).

Keywords: bodies, heterogeneous city, heterotopia, in-between, interface, interspace, institutions, model of relations, othering practices, power.

05 DESIGN REPORT - The fifth chapter, illustrates the transition of research into the explorations for, and specifications of design. Herein, further (design) research, workshops, presentations, and excursions were documented, emplifying the process of design as translation of theory to final design' constructions.

Keywords: affect, bodies, effect, heterogeneous city, in-between, interface, interspace, institutions, model of relations, othering practices, power.

06 DESIGN PROJECT - Chapter six, "In-Between Others", discusses the final design project that resulted. Herein, an overview of the material was presented. The chapter introduces the operationalization of the "In-Between", specifically tested and used in the context of Greater London dealing with embedded obsolete power relations, and the specification of the design project aimed to establish a beyond of othering practices.

Keywords: affect, bodies, effect, heterogeneous city, in-between, interface, interspace, institutions, model of relations, othering practices, power.

07 REFLECTION - The seventh chapter, continues on Six, wherein it reflects on the process, products and projections of graduation. The sub-chapter, Process, elaborates on the process of both research and design, used

methods, and final reflections on the carried out process. The sub-chapter, Products, reflects on the translations of research into the design. The sub-chapter, Projections, includes both the discussion of the project, initial expectations, addressed ethics, and potencies for further research. Conclusively, the sub-chapter contains personal reflections on the graduation process and products.

Keywords: bodies, heterogeneous city, in-between, interface, interspace, institutions, model of relations, othering practices, power.

AN ALTERNATIVE GENDER CONSTRUCT

CONTROLLING RELATIONS OF GENDER, BODIES, ARCHITECTURES AND CITIES

Keywords: gender, (heterogeneous) city, infrastructure space, (human) body, architecture

I PREFACE

My initial fascination towards this research was focussed on the othering of genders. As the research continued and the objectives of research got defined, gender became exemplary for othering practices in general. However, the proposed research plan continued to be directive in the proceeding of the project. The continued project included a broader focus on othering practices, of which the basis of the research descends from the approximation of gender as the starting point. What is interesting about this development, is the researched that derived from the othering of gender, as this is personally a more urgent matter than other subjects that are similarly or more extremely exposed to othering practices. However, it helped me to understand potential grounding principles of spatial implications causally produced by, and/or causally producing othering in society affecting the divergence of many within our population.

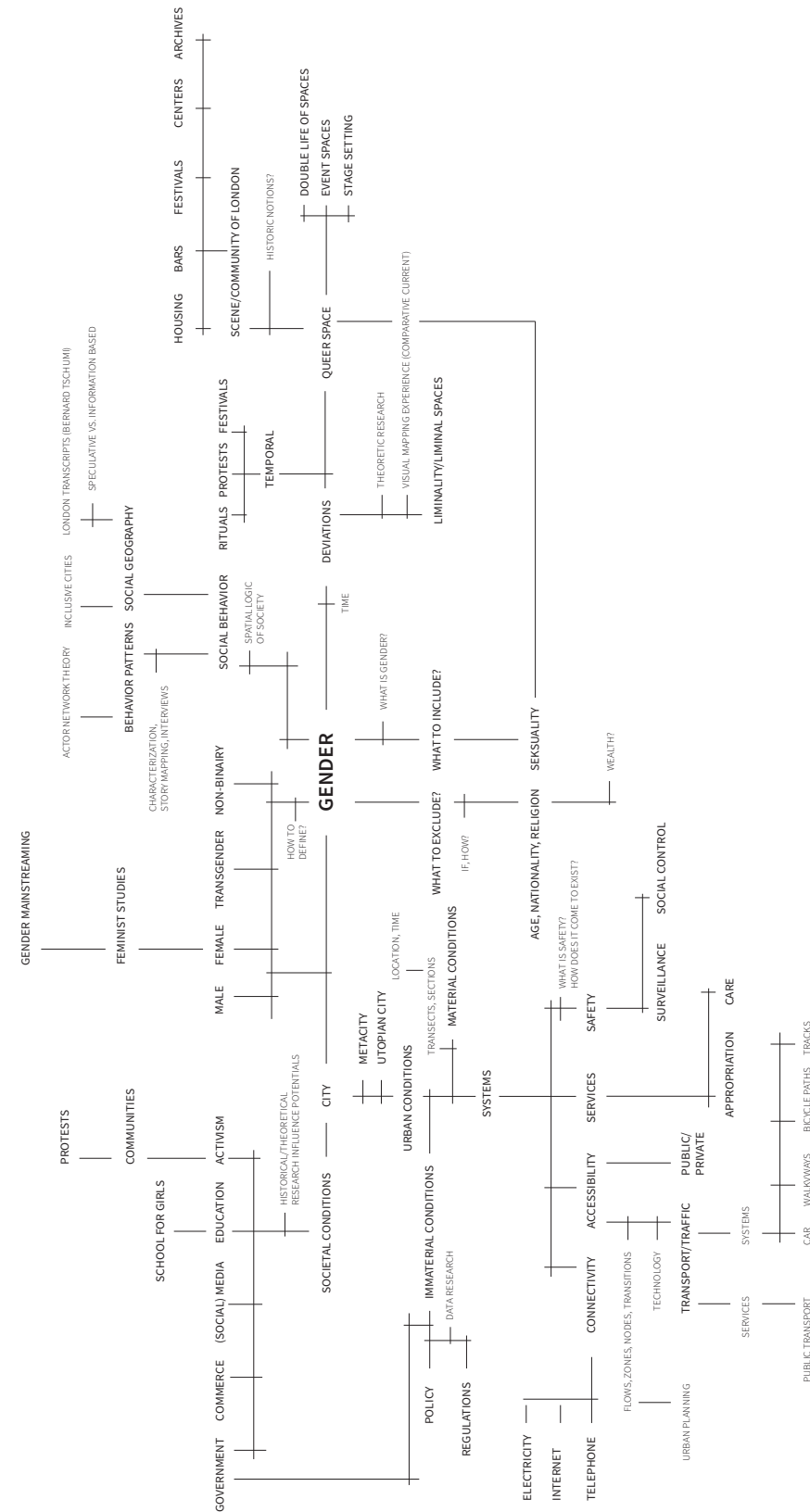


Fig. 1 - Relation Map Gender and Cities

The city is constructed by the dichotomy of men and women. A distinction that biologically through distinction of sex is righteous. However, the dichotomy of men and women in our society goes beyond the distinction of sex. It is a distinction of gender, including society' (social/political) conceptions on sexes. Historically, the distinction of men and women has been appropriated as the division of tasks based on biological characteristics of the sex (strength, fertility). However, developments in/of our society have led to a dispositioning towards this division, enabling an alternative construct of gender based on the nullification of the dichotomy of men and women.

Besides the emancipation in gender' division based solely on the physical characteristics of men/women, the position towards the binary classification based on the mental characteristics of men/women has also changed. As a result, the relation of individuals to gender can no longer be reduced to the pre-imposed binary classification of gender, which may be exemplified by the extensive list of different gender identities that can be identified (Clifford, 2018). Not all characteristics of sexes are pre-programmed and/or biologically determined. Thus, how the individual relates to their gender may be a result of distinctive individual evolution. Therefore, the alternative construct of gender not only includes the nullification of dichotomies, but also the nullification of gender binaries.

The nullifications of both have led to (some) alternative constructs of gender within our society. However, it did not entirely change the systemic use of gender in our society (some of the (applications of) constructs are still present). Neither did it lead to an investigation in the potential influence on, or the potential embeddedness of these obsolete gender constructs in our cities and how this might potentially still have influence on our society.

Nullifying the dichotomy and binary classification, the alternative gender construct results in the individual's relation

towards gender conceptions and the performativity of the individual in relation to/through this conception. Within society what remains would be the biological distinguishment of bodies (sex), and the different relations of the mind to this (sexed) body. The (societal) construct of gender is the result of the multiplicity of individuals' body-gender relations.

The research conducted will include the investigation of systems/layers/structures with potential influence that are present in cities (fig. 1). The confrontation of individual and societal' bodies to these, will be investigated by examining the relation of the individual bodies to the architectures (that relate/frame them), and the potential influence of individual body' confrontations on the societal' gender construct.

By determining the scales and modes of influence, knowledge in the relation of gender, body, architecture and cities can be established. The conduction of the research of this research plan ‘An Alternative Gender Construct’, can provide insight in how an (alternative) gender construct might be established within the city. This alternative will be further explored in the graduation project.

*This introduction is based on cities/societies that are generally more emancipated in their gender constructs.

The relations of gender, body, architecture and cities will be researched by means of specified concepts, which will be further specified within the conceptual framework of this research. The definitions and applications of these concepts are based on different knowledge domains as discussed by the theories discussed in the theoretic framework. With the used conceptual and theoretic framework, this research aims to crossover different scales and domains of knowledge.

02.01 Conceptual Framework

The research makes use of the concepts, as discussed in this conceptual framework, in order to create a positioning from which the relations will be investigated. Researching the relations of these concepts together can help to create an understanding of gender constructs in cities.

The topic of gender is researched through the concept of gender as a (societal) construct, that nullifies the dichotomy and binary classifications. This construct is the (in)direct result of the individual' and societal' conceptions of, and performativity through gender. The construct of gender is seen as temporary and influenceable, thus changeable by the alteration of environments.

The concept of the body is the means through which the physical and mental confrontations to environments are measured, that influences the gender conceptions and -performativity of individuals/society, and constitutes to the (societal) construct of gender. Necessarily, the primary conditions of the body need to be specified in order to understand the concepts of principle to these confrontations.

Architecture in this research is the spatial product on which the confrontations to bodies can be explored and measured. The concept of architecture used in this research is the architectural construct of the site, which is not only a result of the specific site conditions, but directly/indirectly linked to

other tangible/intangible conditions.

The research' relation to cities makes use of the concept of the city as multi-layered/networked infrastructure space, potentially as concatenation of heterogeneous conditions influencing the conceptions and performativity of/through gender. The understanding of these, both individually and in relation, is crucial to be able to understand the intensive and extensive influences on the construct of gender in the city.

02.02 Theoretic Framework

The theoretic framework focusses on the thematic research of different knowledge domains, the exploration of the interfaces amongst these domains and the specification of points of interest. The domains of knowledge used in this theoretic framework descend from feminist theories, philosophy, political science, sociology, architecture and urban planning.

The philosophical/feminist theories by Rendell et al. (2002), McRobbie (2011), Rendell (2012), Grosz (2001, 2013), Frichot et al. (2018), are used for a (historical) understanding of gender evolutions/positions in the gender debate and will help to further establish a profound positioning towards the construct of gender. The philosophic approximation of Butler (1990) resembles most the positioning towards gender in this research. Moreover, the dichotomy of men and women is explored on the topic of sexuality in city/society by Foucault (1978) and Colebrook (2017). While Haraway (1985) explores the dichotomy in relation to technology/science.

The concept of the body is explored in philosophical/political theories by Bergson (1977), Foucault (1995), Guattari & Deleuze (1994), Teyssot (2015), Arendt (2019), in which the varying conditions of the body are discussed in relation to the other concepts: how the body is controlled/influenced; what drives the body/mind; what are the extends of the body; how the individual body relates

to the society. The sociological relation of the body is further explored by theories of Latour (2005).

The relations of architecture, (body) and gender is explored in the publication edited by Colomina (1992), in which the potency of the relations of this research is most similar to the text by Grosz. This publication (by Colomina) also discusses the potency of architecture as influencer/activator. Consequently, architecture as architectural construct, and its relations to the city, is discussed by Burns (1991).

The theoretic framework of cities is based on Easterling's definition and exploration of the infrastructure space (2007), and further explores the relations to gender based on the definition of heterotopias (Foucault, 1986).

Based on the theoretic framework, the relations of gender, body, architecture and cities will be explored through the following sub-questions (fig. 2):

1) What can be defined as the infrastructure space (and zones of influence) of gender?

- i.) What are heterotopias that exclude, include or control the (gendered) body and/or (with) conceptions and/or performativity of gender?
- ii.) What are the urban layers and systems that directly/indirectly influence the conception and/or performativity of gender?
- iii.) What are potential power structures/relations that potentially influence the conception and/or performativity of gender?

2) What are the conditions that influence the body in the confrontations with the infrastructure space of gender?

- i.) What are the (human) conditions that influence the individual body in the confrontation with infrastructure space of gender?

ii.) How does the individual' relations to gender relate to the societal' construct of gender?

3) How does the infrastructure space influence individual/societal bodies in the conception and performativity of/through gender? The outcomes of the sub-questions together

- i.) What is the role of systems/layers/structures in the controlling/influencing the confrontation of bodies?
- ii.) What is the role of architecture in the infrastructure space? How does it control/influence the confrontations of bodies to gender?

can provide insight into the construct of gender in the city, what will help to answer the main research question posed in this research:

0) To what extend can (the architectures of) the infrastructure space of gender establish a different bodily confrontation that activates the individual and societal bodies to an alternative construct of gender?

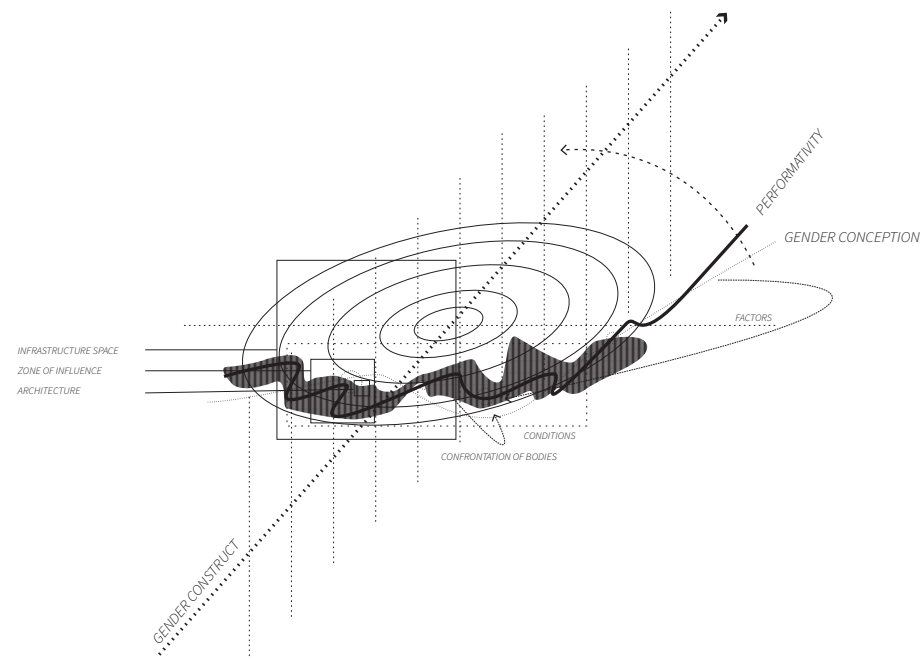


Fig. 2 - Research Diagram Relations Infrastructure Space and Architecture on the Construct of Gender

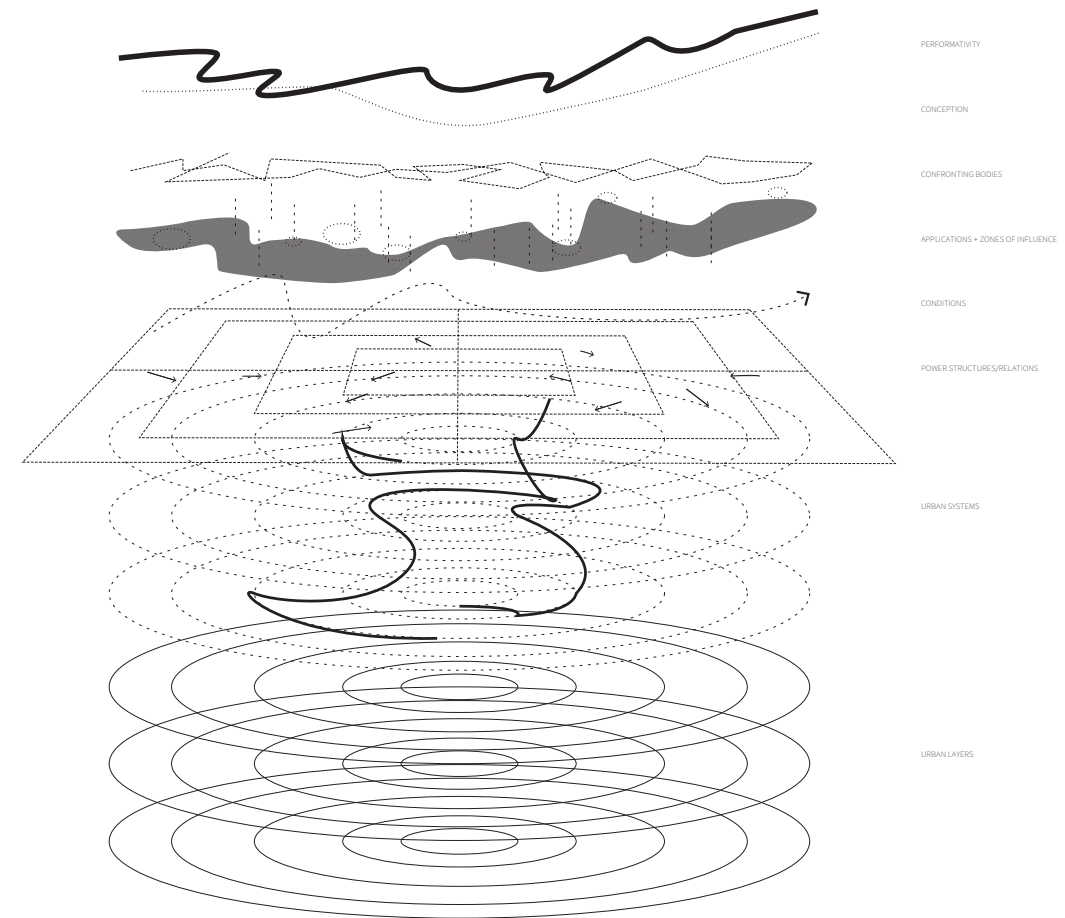
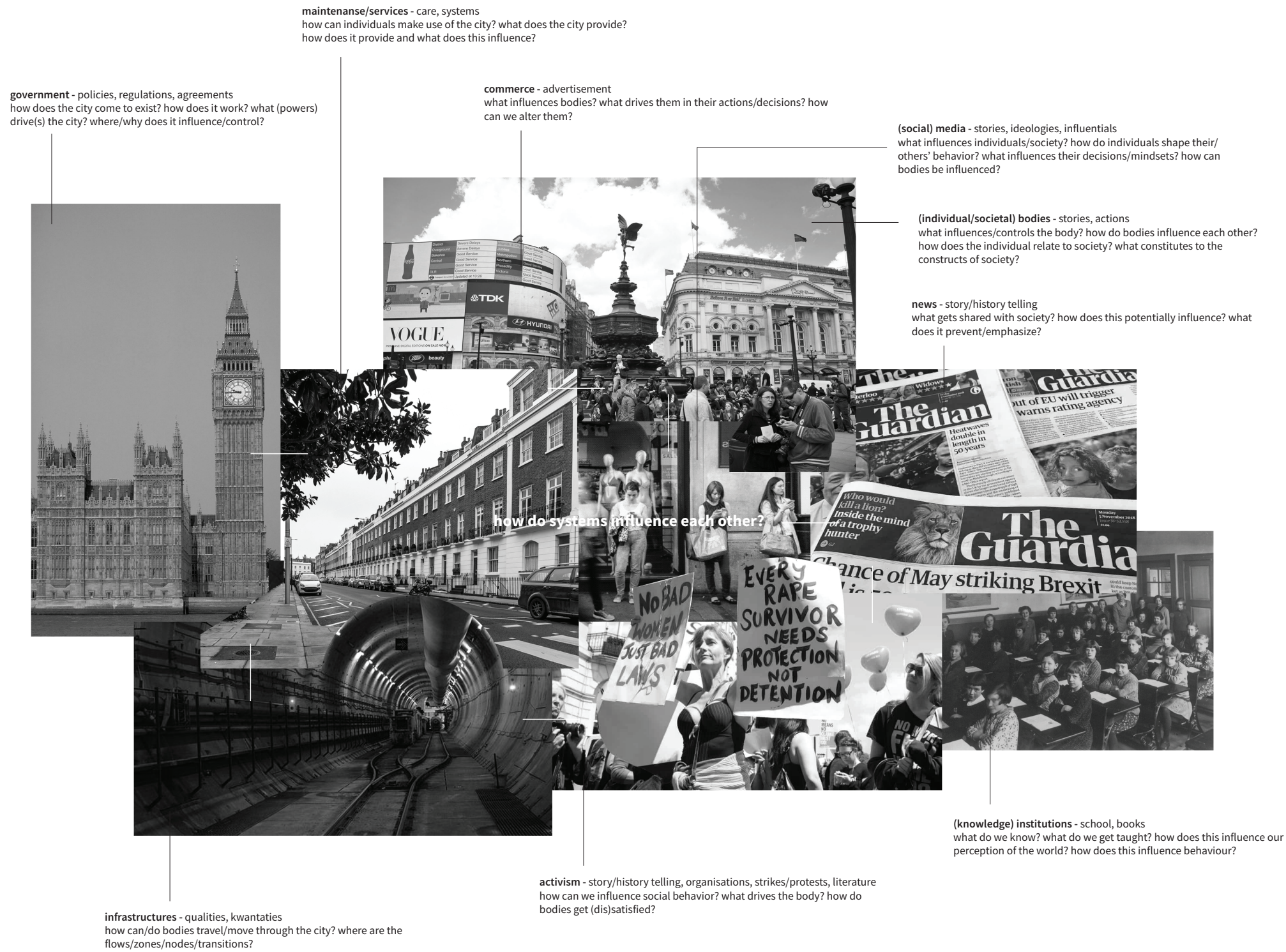


Fig. 3 - Research Diagram Infrastructure Space of Gender



The change in gender constructs within our society have not been examined within our cities. Potential influences of the city on bodies therefore can still be present. The proposed research enables the potential to identify influences on the construct of gender and to create an alternative positioning of the city towards these gender construct. Cities should be inclusive for individuals to establish their own construct of gender, based on their individual relations to their bodies. In this regard, cities should not discriminate individuals in their believes.

This research includes ethical importance; cities should not discriminate, but (how) can it establish inclusivity to all cultures with different gender constructs? The nullification of the dichotomy and gender binaries in some cases could be counterproductive and discriminate other social groups. Therefore, during the research the cultural contradictions towards gender constructs should be acknowledged, and ethically positioned. The city of London therefore provides an eligible case study for this research, as it includes different cultural distinctions with varying gender constructs.

Reflecting on the research plan, the research would benefit from confining to a rather more specified (spatial) program. After establishing a generic overview of the infrastructure space, the research should be continued with a rather more specified scope of interest.



Fig. 7 - Social Demonstration of Othering in the City
Getty Images. (2015, October 13). Working women demand the vote [Picture].
BBC. <https://www.bbc.com/news/newsbeat-34488418>

06.01 (Gendered) Body

The body refers to the physicality of the human, as directed and controlled by the mind. The body has a biological nature, associated to sex. Though the gendered body represents the bodily actions and thoughts, of/through the mind, that relate to the construct of gender. Confrontations to the gendered body influence the body in its conceptions to/and performances of it genders.

06.02 Body Politics of Gender

Body politics of gender refers to the individual and societal conceptions of (gendered) bodies, the applications of sex/gender in the urban layers/systems, (power) structures/relations, and the (in)human-, (im)material conditions that (indirectly) influence the performativity of the (gendered) body (how the body is regulated to perform) within the infrastructure space.

06.03 Gender Construct

The gender construct are the societal' ideologies on the conception and performativity of/through gender. It can be defined by the positioning of society towards gender identities, gender binaries and gender roles.

An alternative gender construct refers to the alternative societal view' in which the classifications of genders is nullified.

06.04 Infrastructure Space

The infrastructure space is the mediator of the physical and mental conditions of the urban milieu (Easterling, 2007); it determines the space as (in)direct results of (power) structures/relations, ((in)spatial) applications, and the (in)human-, (im)material conditions. The infrastructure space of gender mediates the (gendered) body in its mental and physical confrontations, resulting in an individual and societal conception and performativity of gender.

06.05 Sex

Sex is used to describe the two main categories, male and female, into which organisms (humans and animals) are divided in based on their reproductive functions; belonging to either the male/female sex.

06.06 Gender

Sometimes interchangeable, gender differs from sex through the associated social/cultural difference and relation towards gender binaries. Therefore gender accommodates a wider range of identities then sex: male, female, transgender.

06.07 (Non-) Gender Binaries

The classification of people in being either male or female, based on masculine/feminine/neuter/mixed characteristics. People that are non-binary do not associate themselves to this classification system.

06.08 Gender Roles in Body Politics

Therefore the gender role differs from the sex role, as the gender role refers to more then the biological distinction of sexes (fig. 7). Within body politcs this is of importance as the underlying reasons can be required/objective or unrequired/subjective.

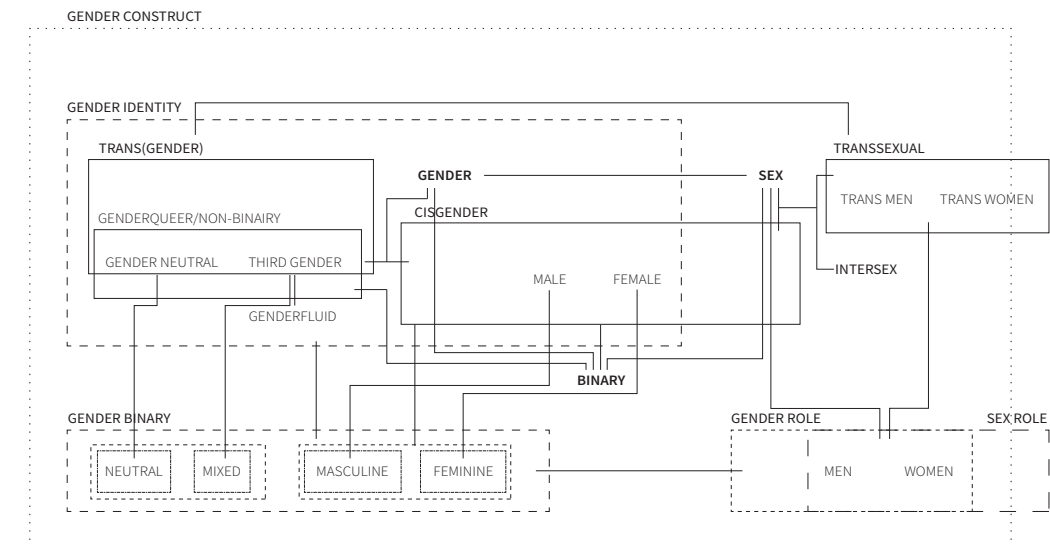


Fig. 8 - Relation Diagram Gender (Terminology)

The bibliography includes a selection of the most relevant sources for this research plan. Other used sources have been added to **Appendix A**. The extensive annotations can be found in **Appendix B**.

07.01 Gender

Butler, J. (1990). *Gender Trouble: Feminism and the Subversion of Identity*. Routledge, Chapman & Hall, Inc.

Colebrook, C. M. (2017). *Sex and the (Anthropocene) City*. Theory, Culture and Society, 34(2–3), 39–60. <https://doi.org/10.1177/0263276416654975>

Foucault, M. (1978). *The History of Sexuality*. Pantheon Books.

Frichot, H., Gabrielsson, C., & Runting, H. (2018). *Architecture and Feminisms* [E-book]. Routledge.

Grosz, E. (2001). *Architecture from the Outside*. Massachusetts Institute of Technology.

Grosz, E. (2013). Sexual difference as sexual selection. In P. Rawes (Ed.), *Relational Architectural Ecologies* (1st ed., pp. 105–108). Taylor & Francis. <https://www.perlego.com/book/1614839/relational-architectural-ecologies-pdf>

Haraway, D. (1985). *A Manifesto for Cyborgs: Science, Technology, and Socialist Feminism in the 1980s*. 65–107.

Kallus, R. (2003). Gender Reading of the Urban Space. In *City and Gender* (pp. 103–127). Leske + Budrich. <https://doi.org/10.1007/978-3-322-97563-8>

McRobbie, A. (2011), Beyond post-feminism. *Public Policy Research*, 18: 179-184. <https://doi.org/10.1111/j.1744-540X.2011.00661.x>

Rendell, J. (2012). *Tendencies and Trajectories: Feminist Approaches in Architecture*. In *The SAGE Handbook of Architectural Theory* (pp.

85–97). SAGE Publications Ltd.

Rendell, J., Penner, B. & Borden, I. (Ed.) (2002). *Gender Space Architecture* (1st ed.). Taylor and Francis. <https://www.perlego.com/book/1619935/gender-space-architecture-pdf>

07.02 Bodies

Arendt, H. (2019). *The Human Condition*. The University of Chicago Press. <https://www.perlego.com/book/1852315/the-human-condition-pdf>

Bergson, H. (1977). *The Two Sources of Morality and Religion*. University of Notre Dame Press.

Foucault, M. (1995). *Discipline and Punish*. Random House, Inc.

Guattari, F., & Deleuze, G. (1994). *What is Philosophy?* Columbia University Press.

Teyssot, G. (2015). Hybrid Architecture: An Environment for the Prosthetic Body. *UNIV CALGARY LIBRARY*, 11(4), 72–84. <https://doi.org/10.1177/1354856505061055>

Latour, B. (2005). *Reassembling the Social An Introduction to Actor-Network-Theory*.

07.03 Architectures

C. J. Burns. (1991). ON SITE: ARCHITECTURAL PREOCCUPATIONS. In *Drawing Building Text* (pp. 147–167).

Colomina, B. (Ed.). (1992). *Sexuality & Space*. Princeton Architectural Press.

Vesely, D. (2002). Body and Building. In R. Tavernor & G. Dodds (Eds.), *The Architectonics of Embodiment* (pp. 28–43). Massachusetts Institute of Technology.

07.04 Cities

Easterling, K. (2007). Extrastatecraft. In *Source: Perspecta* (Vol. 39). <https://www.jstor.org/stable/40482257>

Foucault, M. (1986). *Of Other Spaces* (Vol. 16, Issue 1).

Gandy, M. (2012). *Queer ecology: nature, sexuality, and heterotopic alliances*. <https://doi.org/10.1068/d10511web>

Appendix A includes (used) sources that have been found useful in/for this research plan.

Ackroyd, P. (2018). *Queer City*. Vintage.

Campkin, B. (2016). Queer urban imaginaries. In *The Routledge Companion to Urban Imaginaries* (1st ed., pp. 407–423). Routledge. <https://doi.org/10.4324/9781315163956>

Campkin, B., & Marshall, L. (2017). LGBTQ+ Cultural Infrastructure in London: Night Venues, 2006-present. *Urban Lab*, 1–68. https://www.ucl.ac.uk/urban-lab/sites/urban-lab/files/LGBTQ_cultural_infrastructure_in_London_nightlife_venues_2006_to_the_present.pdf

Campkin, B., & Marshall, L. (2020). LGBTQ+ spaces in Camden 1986–present. *Urban Lab*, 1–20. https://www.ucl.ac.uk/urban-lab/sites/urban-lab/files/lgbtq_spaces_in_camden_1986-present_ucl_urban_laboratory.pdf

Clifford, A. (2018, March 9). Gender Identity Map [Slides]. IMPACT LGBT Health and Development Program. <https://www.impactprogram.org/lgbtq-youth/gendermap/>

Foran, C. (2013). *How to Design a City for Women*. Citylab. Published. <https://www.bloomberg.com/news/articles/2013-09-16/how-to-design-a-city-for-women>

Guattari, F. (2000). *The three ecologies*. Athlone Press.

Kern, L. (2020). *Feminist city*. Verso.

Pateman, C. (2014). *The Sexual Contract* (1st ed.). Wiley. <https://www.perlego.com/book/1535879/the-sexual-contract-pdf>

Parker, B. (2011). Material Matters: Gender and the City. *Geography Compass*, 5(6), 433–447. <https://doi.org/10.1111/j.1749-8198.2011.00424.x>

Terlinden, U. (2003). Visions of the City. In

City and Gender. Leske + Budrich. <https://doi.org/10.1007/978-3-322-97563-8>

Appendix B includes the annotations of the selected bibliography of this research plan.

09.01 Gender

Butler, J. (1990). *Gender Trouble: Feminism and the Subversion of Identity*. Routledge, Chapman & Hall, Inc.

Judith Butler is philosopher and gender theorist, discusses the shortage of feminism as being gender-based, but also argues that gender is an identity reinforced by societal norms.

Colebrook, C. M. (2017). *Sex and the (Anthropocene) City*. *Theory, Culture and Society*, 34(2–3), 39–60. <https://doi.org/10.1177/0263276416654975>

Claire Colebrook, cultural theorist, addresses the possible link between sex, the city and the anthropocene. Including the notion of the ‘sex and the city’ problem, moreover, the text discusses sexes, freedom, desires, cities and urbanities.

Foucault, M. (1978). *The History of Sexuality*. Pantheon Books.

Philosopher Michel Foucault addresses the emergence of sexuality in Western societies, and the historic conditions and early role of sexuality. The sexual repression as discussed by Foucault can serve as an example for the repression of genders.

Frichot, H., Gabrielsson, C., & Runting, H. (2018). *Architecture and Feminisms* [E-book]. Routledge.

Edited by specialists of different knowledge domains (architecture, urbanism, philosophy), this book provides an overview of essays and projects discussing the wide range of intersections between architecture and feminisms.

Grosz, E. (2001). *Architecture from the Outside*. Massachusetts Institute of Technology.

Elisabeth Grosz, philosopher and feminist theorist, explores in this book the architecture ‘from the outside’, the position

of looking at architecture from a position that exceeds and combines the domains of architecture and philosophy. It analyses the limits and potentials of the individual and combined domains of knowledge. Similarly, Grosz shares the view of redundancy in the distinction of sexes in space.

Grosz, E. (2013). Sexual difference as sexual selection. In P. Rawes (Ed.), *Relational Architectural Ecologies* (1st ed., pp. 105–108). Taylor & Francis. <https://www.perlego.com/book/1614839/relational-architectural-ecologies-pdf>

Grosz, reflects on the work of Irigaray on sexual difference in comparison with Darwin’s theories on sexual selection. Though the work is very distinctive in their approach (philosophy/human vs. biology/animal), Grosz’ approach sharpens both works, while becoming more broadly relevant.

Haraway, D. (1985). *A Manifesto for Cyborgs: Science, Technology, and Socialist Feminism in the 1980s*. 65–107.

Donna Haraway reacts to the dichotomies of the mind/body, animal/human, organisms/machines, nature/culture, public/private, male/female, primitive/civilised, virtual/real. In this research it can be used as breaker of relations of dichotomies and domains.

Kallus, R. (2003). Gender Reading of the Urban Space. In *City and Gender* (pp. 103–127). Leske + Budrich. <https://doi.org/10.1007/978-3-322-97563-8>

Rachel Kallus investigates the integration of objective and subjective reading of space from the perspective of gender. Though from a perspective of only the female gender, the investigation of subjectivity and objectivity can be used as (methodological) relevance.

McRobbie, A. (2011). Beyond post-feminism. *Public Policy Research*, 18: 179–184. <https://doi.org/10.1111/j.1744-540X.2011.00661.x>

Cultural theorist and feminist, McRobbie, discusses the shortcomings of post-feminism, referring to the ‘sex and the city’ problem, the potential (mis)viewing of women’s freedom in the city.

Rendell, J. (2012). *Tendencies and Trajectories: Feminist Approaches in Architecture*. In *The SAGE Handbook of Architectural Theory* (pp. 85–97). SAGE Publications Ltd.

Architectural historian and cultural critic, Jane Rendell, in this chapter gives a historic overview (1970–1990) of the shifts in the debate of feminisms and architecture.

Rendell, J., Penner, B. & Borden, I. (Ed.) (2002). *Gender Space Architecture* (1st ed.). Taylor and Francis. <https://www.perlego.com/book/1619935/gender-space-architecture-pdf>

Rendell coedited this publication together with Barbara Penner and Ian Borden, to give an overview of the feminist literature related to space and architecture in a twenty-years’ timeframe. The publications is used for creating an understanding of the events that occurred, and to further sharpen the position in this research.

09.02 Bodies

Arendt, H. (2019). *The Human Condition*. The University of Chicago Press. <https://www.perlego.com/book/1852315/the-human-condition-pdf>

Written by philosopher/political thinker, Hannah Arendt, *The Human Condition*, is a critique on traditional political philosophy that ingores the role of humans. Arendt reconsiders the human condition and analyses its Vita Activa (fundamental activities): labor, work and action, with a comparison of man and society.

Bergson, H. (1977). *The Two Sources of Morality and Religion*. University of Notre Dame Press.

Philosopher, Henri Bergson first published this book in 1932 and, due to the high demand, has been reprinted ever since. *The Two Sources of Morality and Religion* discusses the relation of the mind and the body of the individual/society to morality and religion.

Foucault, M. (1995). *Discipline and Punish*. Random House, Inc.

The publication aims to create a better understanding of the controlling of the body through punishment and different power relations. This reference will be used in order to create a better understanding of the controlling of the human (body/mind).

Guattari, F., & Deleuze, G. (1994). *What is Philosophy?* Columbia University Press.

Psychoanalyst Guattari and philosopher Deleuze together have multiple published works. This (considerable) publication brings an important (historic) perspective on the relation of the individual and society, through the distinguishment in ‘with others’ and ‘distance’.

Teyssot, G. (2015). *Hybrid Architecture: An Environment for the Prosthetic Body*. *UNIV CALGARY LIBRARY*, 11(4), 72–84. <https://doi.org/10.1177/1354856505061055>

Georges Teyssot, discusses the relations/limitations and extensions of the body with/to the environments, relating to the work of Grosz and Haraway. The reading may be used to define the position of the body and its relations/limits within this research.

Latour, B. (2005). *Reassembling the Social An Introduction to Actor-Network-Theory*.

Bruno Latour, sociologist and philosopher, discusses in this introduction the associations and constructions of the social. Latour’s introduction will be used to sharpen the positions of the social and the designated groups of study.

09.03 Architectures

C. J. Burns. (1991). ON SITE: ARCHITECTURAL PREOCCUPATIONS. In *Drawing Building Text* (pp. 147–167).

Carol J. Burns, architect and academician, in her publication discusses the architectural understanding of the site: “the changing status of site, certain applications of the concept, and a reading of the terms by which site is construed “ (p. 148). This publication refers to architecture as the architectural construct with relations to the city, emphasizing the (potential) far-reaching definition of the site.

Colomina, B. (Ed.). (1992). *Sexuality & Space*. Princeton Architectural Press.

This publication edited by Beatriz Colomina includes texts on, and readings of space in relation to gender. In relation to this research a selection of these chapter’s will be used as main references for possible relations of gender to architecture.

The text by Elisabeth Grosz has the strongest resemblance to this research’ approach of investigating the relations of gender and the city through the notions of the body.

Other relevant chapters include the readings of space by Beatriz Colomina (as filmic exploration), Jennifer Bloomers (as linguistic visual exploration), Catherine Ingraham (from the perspective of the line), and Mark Wigley (typological analysis of the domestic). These chapters will mainly be used as potential method of analysis.

Vesely, D. (2002). *Body and Building*. In R. Tavernor & G. Dodds (Eds.), *The Architectonics of Embodiment* (pp. 28–43). Massachusetts Institute of Technology.

Dalibor Vesely, architectural historian and theorist, is an exploration of perfectionism in architecture. The publication will be used as counterpositioning towards ideal, as this research aims to nullify stereotypisch and classification systems.

09.04 Cities

Easterling, K. (2007). Extrastatecraft. In *Source: Perspecta* (Vol. 39). <https://www.jstor.org/stable/40482257>

This publication by Easterling, architect/urbanist, emphasizes the infinite (relating) systems within a context, the city, and beyond. The reading gave a first understanding of the complexity of the systems/factors relating gender on the urban scale.

Foucault, M. (1986). *Of Other Spaces* (Vol. 16, Issue 1).

This publication of Foucault’s lecture (1967) gives a significant definition to the principles of and exemplifies heterotopias (as used in this research plan and the Architectural Design Crossovers Studio).

Gandy, M. (2012). *Queer ecology: nature, sexuality, and heterotopic alliances*. <https://doi.org/10.1068/d10511web>

Matthew Gandy, geographer (and member Urban Lab Steering Committee (UCL)), examines in this publication the queer ecologies; a theoretical synthesis of queer theories and urban ecologies. Both the content and approach are relevant; the examining of queer ecologies and the linking of theoretic conceptions to urban ecologies.

**(IN-BETWEEN) RELATIONS OF OTHERING IN CONTEMPORARY HETEROGENOUS CITIES
CONTROLLING SOCIAL CONSTRUCTS WITHIN THE GREATER CITY OF LONDON**

Keywords: bodies, dichotomies, heterogeneous city, heterotopia, in-between, institutions, model of relations, othering practices, power.

I PREFACE

Originally, the research derived from the topic of gender, considered as binary opposition. Gender fascinated me through the way cities are constructed based on, or with, the dichotomy of men and women. In a world that is rapidly changing, I was curious to what extend the big societal gab in constructs (of gender), could derive from (in) direct influences of the city. It was a fascination that aimed to go beyond the common bathroom discussions of gender. In this chapter, the process of initial topic specifications leading up to the defined framework and research- and design objectives, was represented. Ultimately, the research framework was broadened to the systemic of othering practices (dichotomies) in general. Considered from the influences of, and within cities.

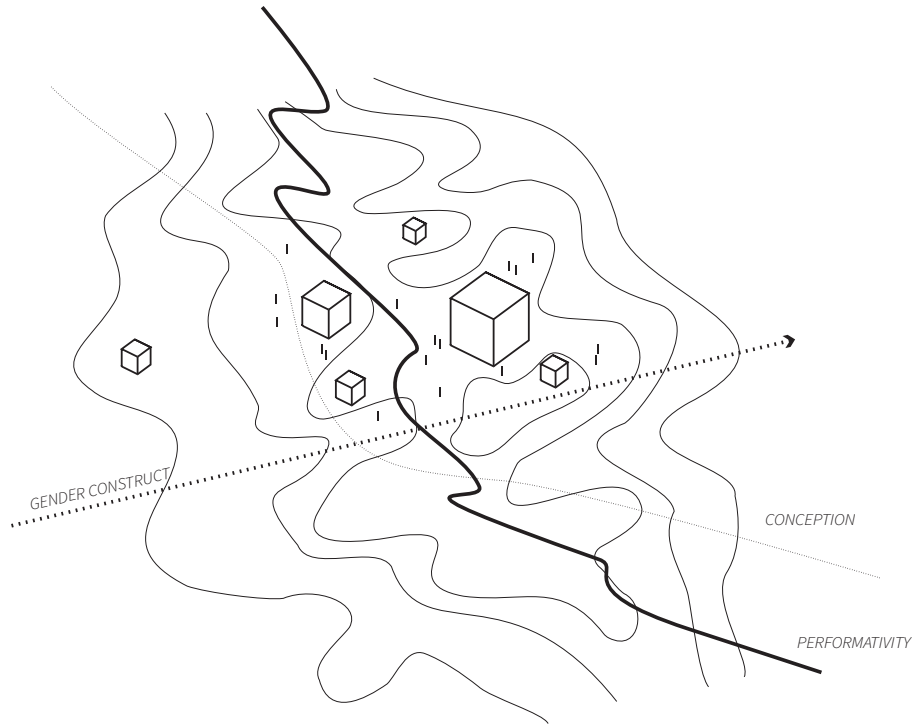


Fig. 1 - Relational Diagram of Influence: Power, Bodies, and Architectures

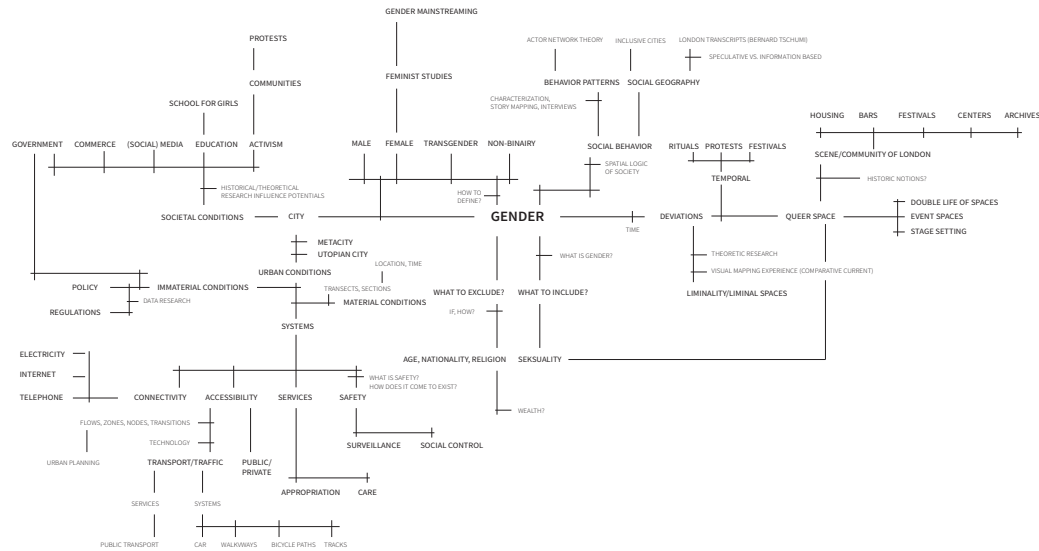


Fig. 2 - Relational Diagram of Influence: Power, Bodies, and Architectures

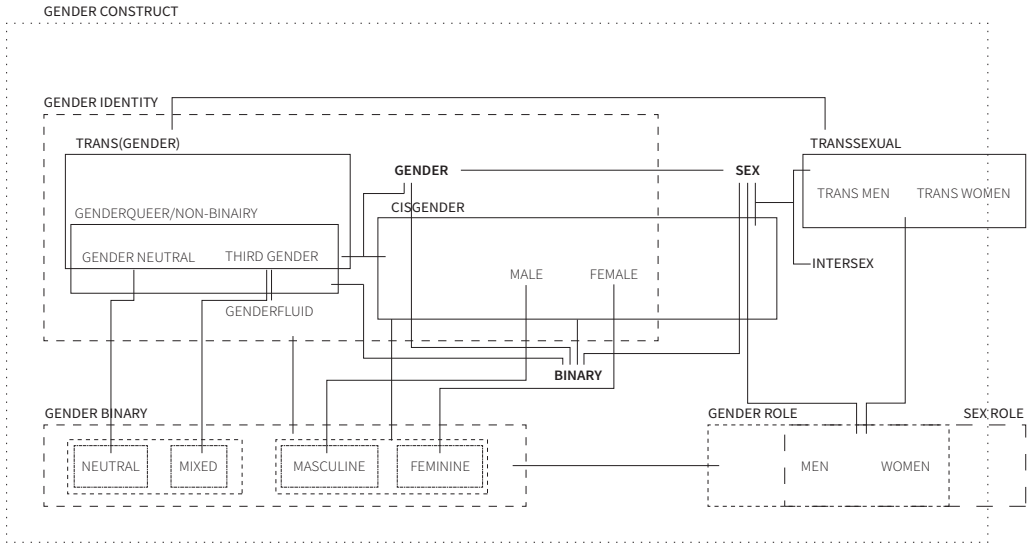


Fig. 3 - Relational Diagram of Influence: Power, Bodies, and Architectures

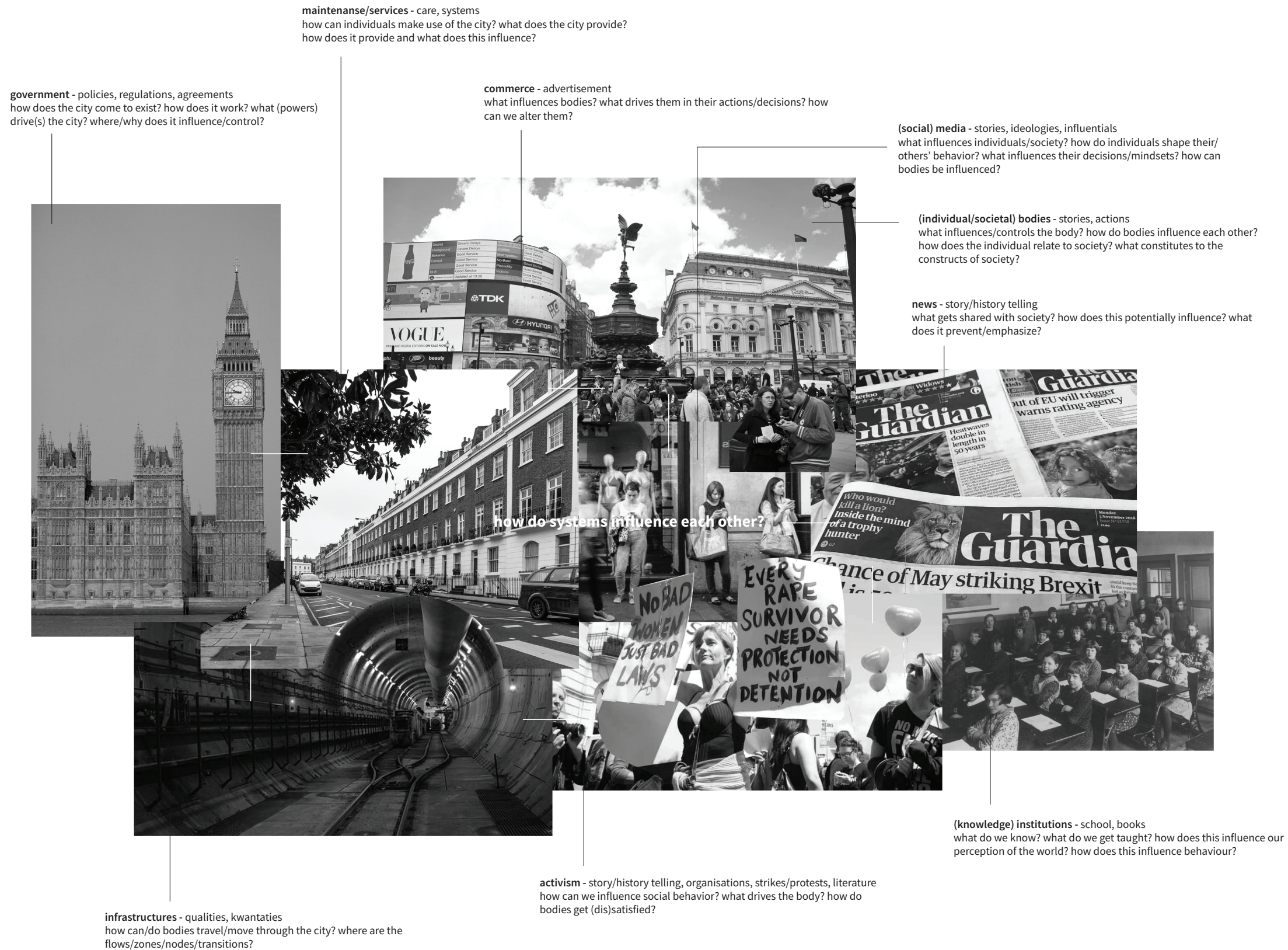


Fig. 4 - Complexity of Cities: Introduction to the Interspace

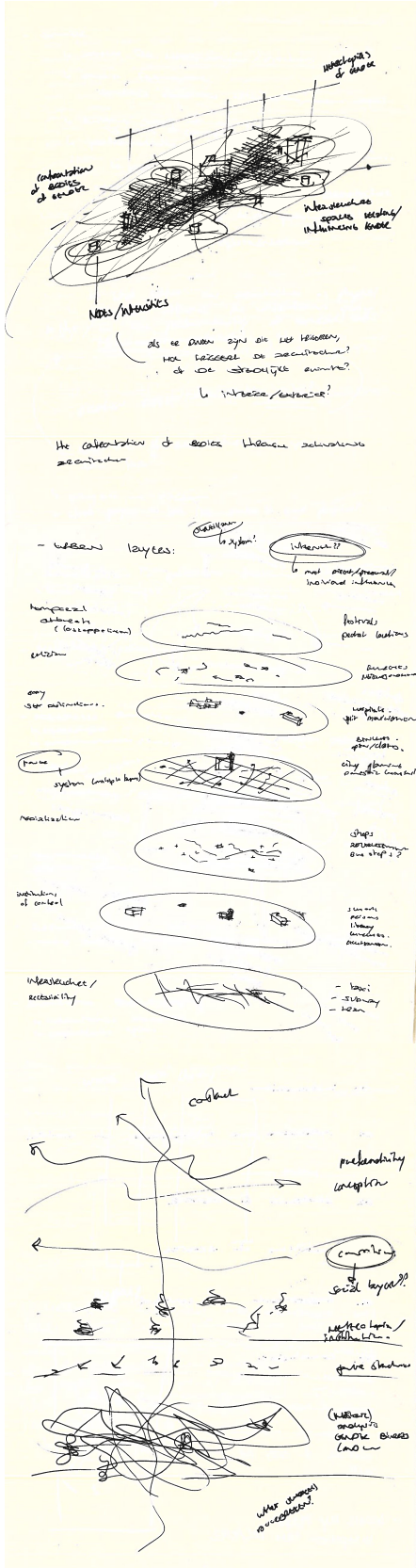


Fig. 5 - Sketches Initial Explorations of Research Framework

The sketches represent the first initial studies which led to the research objectives of the institutional interspace and the model of relations.

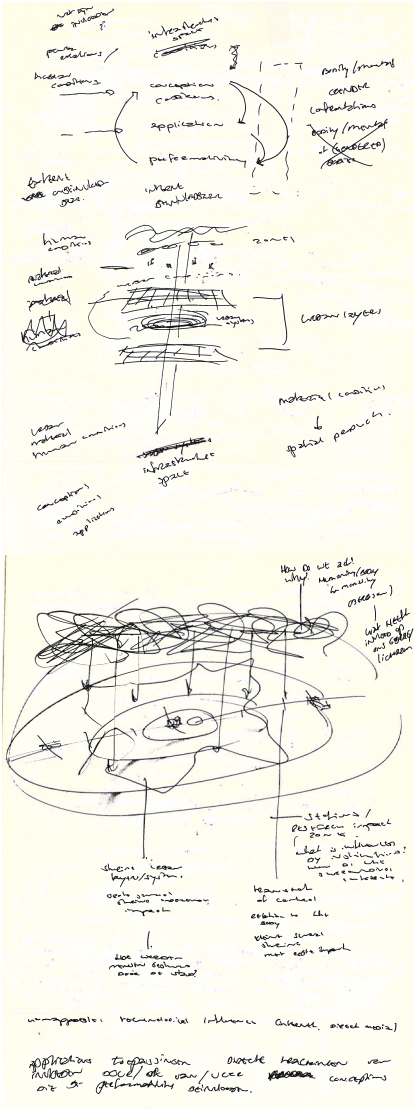


Fig. 6 - Relational Diagram of Institutions (Power), Bodies, and Cities: The Institutional Interspace

Inextricably linked processes of relations, which through their in-between, (are) condition(ed) bodies' conceptions and performances.

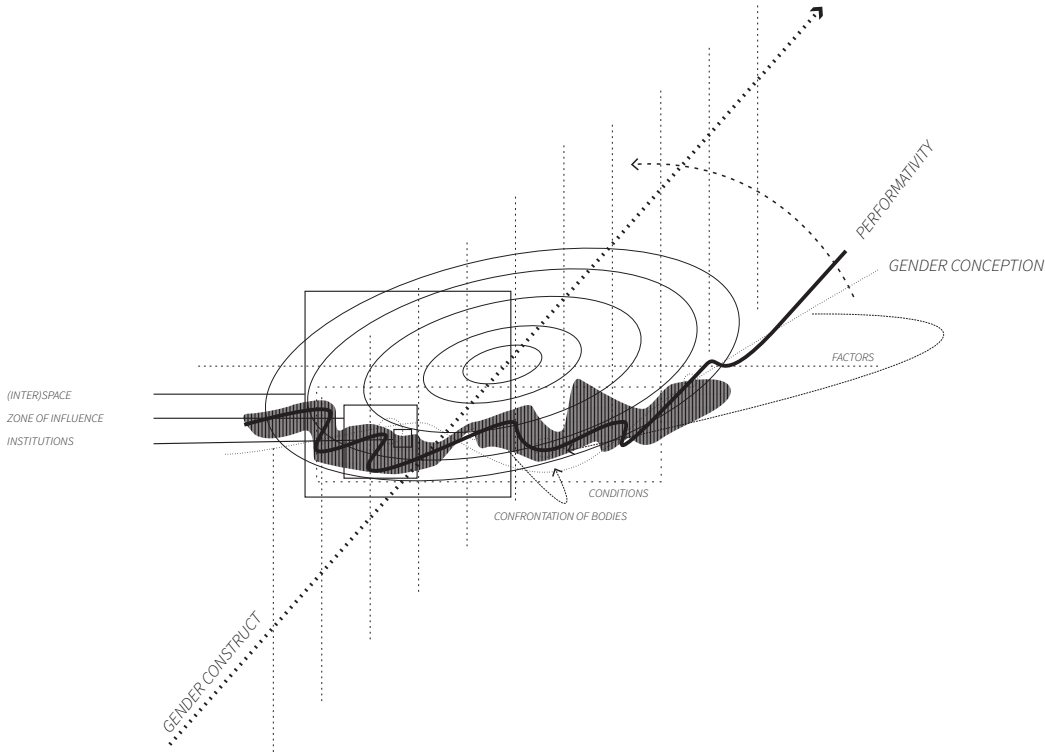




Fig. 7 - Inventory Institutions + Distinctions (Gender)

Scale 1:17500



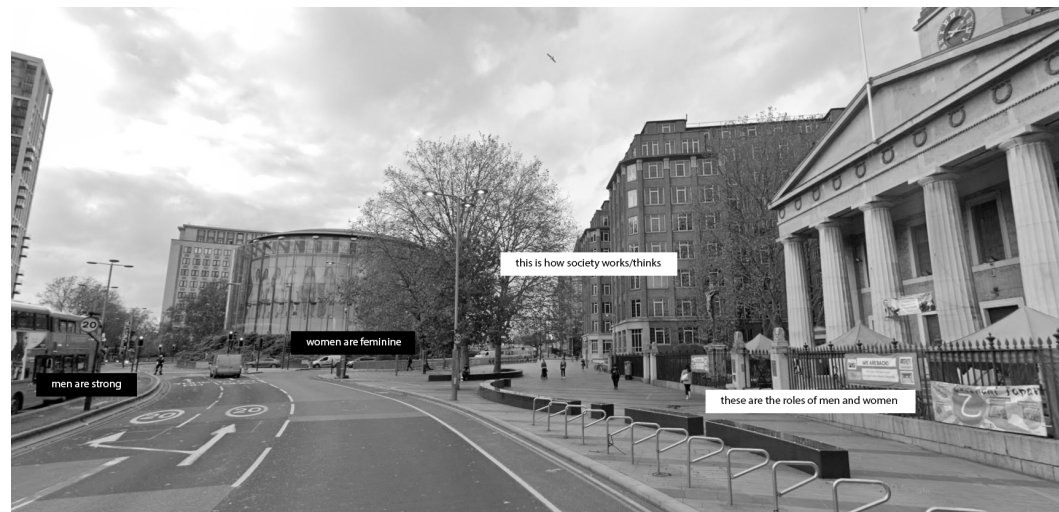
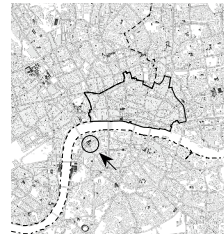


Fig. 10 - Relation of the Institutions (Religion + Knowledge) with the (institutional) interspace of control

Investigation of the (institutional) interspace and zones of control as extension of power from the architectural, to urban, and bodily scales. Specifically, the institutions of Knowledge (A) and Institutions of Religion (B) as exemplification of the posed (sub-) research questions.

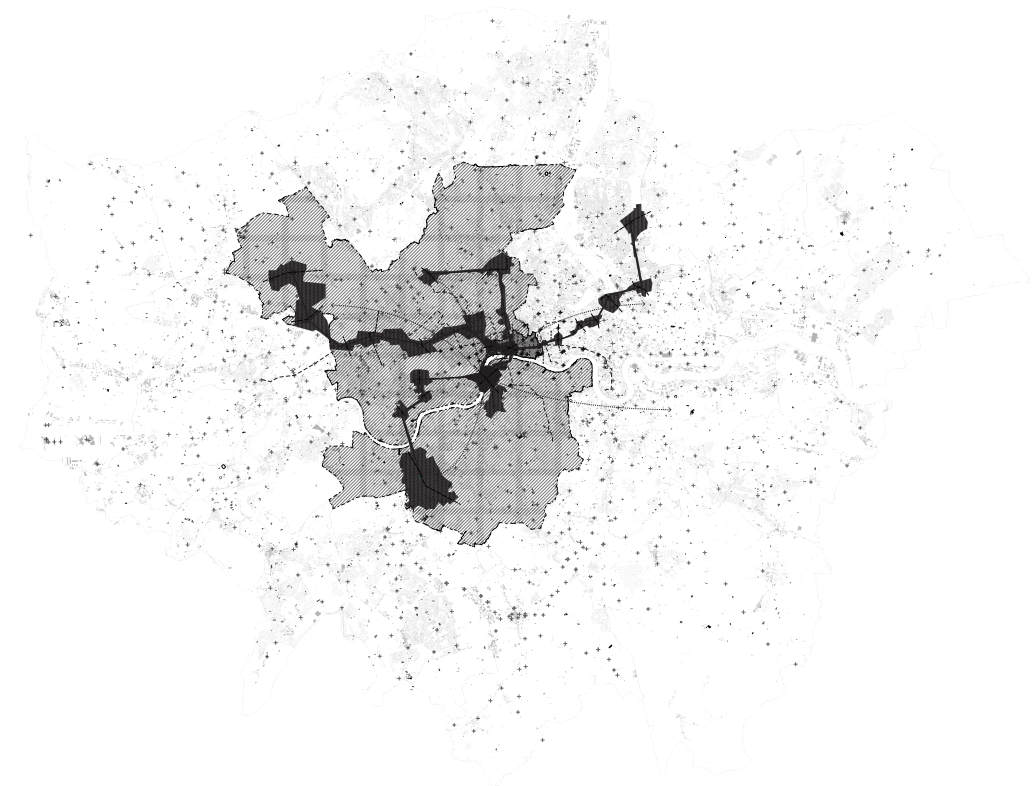


Fig. 11 - Transectory Research Proposal of Institutions

Proposal for establishing a research location as a transect, connecting the City of London with all institutional typologies. This way, a potential intervention could change the narrative of how institutional typologies are embedded within London' city fabric.

Scale 1:17500



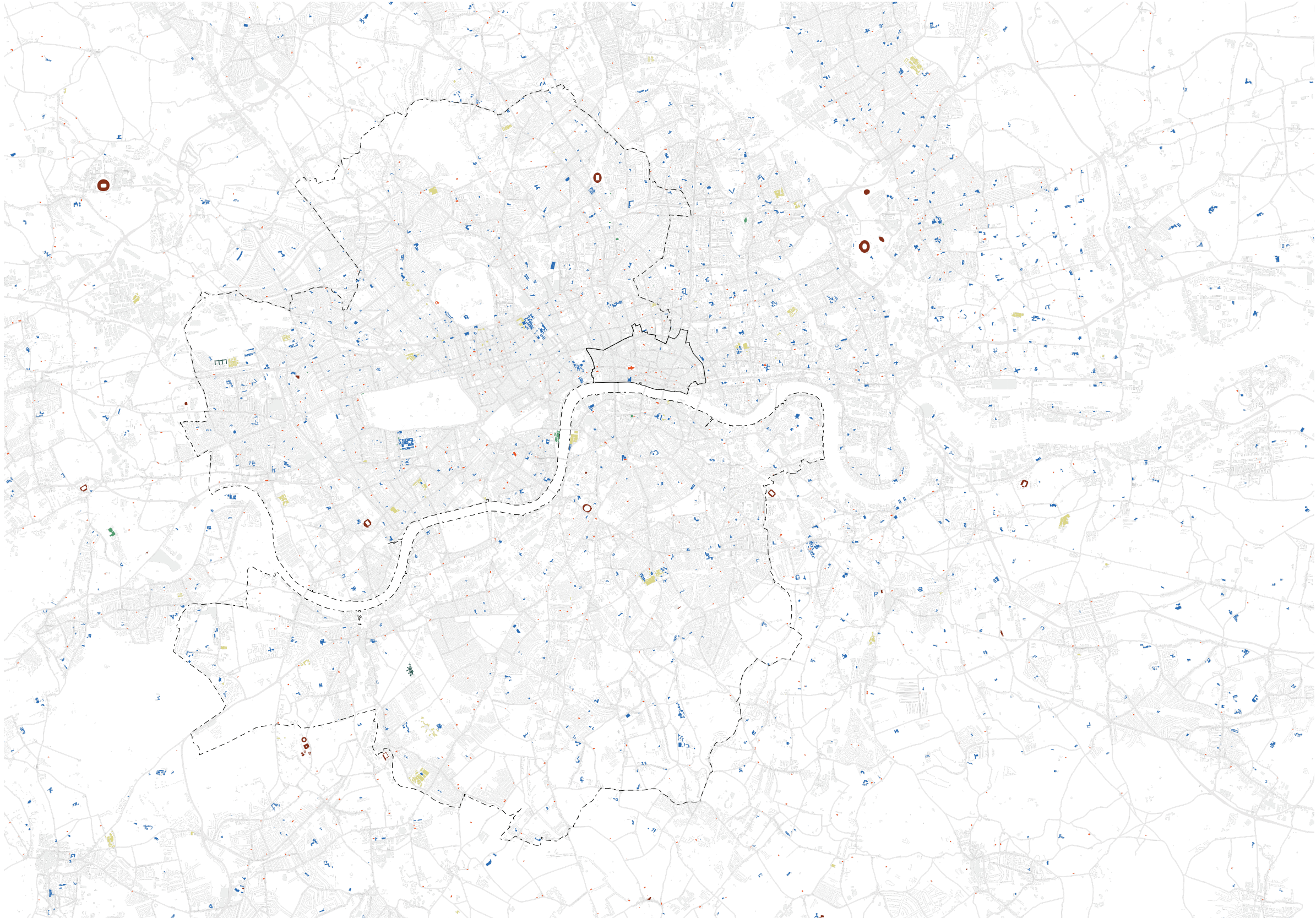


Fig. 12 - Typological InventORIZATION (Research Location)
InventORIZATION of the different institutional typologies (control, power, religion, knowledge), and/or 'places' of distinction (biological, sex versus gender).

Scale 1:17500



01 Field Excursion

From the 13th till the 18th of November I conducted an excursion to the research location of Greater London.

The excursion focussed on the analysis of applications of urban layers/systems (model of relations), drifts surrounding institutions, to log institutions and their zones of influence and examine (individual) habits. It aimed to clarify the limits of the zones of application.

Here, it focussed on the specified zone of interesting transects which connected a variety of institutions. Through this, it aimed to establish an understanding of how different institutions are embedded within the city, to visualize how parts of the city were connected with, or towards the sequence of institutions, and where patterns could be inventoried.

01	Saturday		04	Tuesday	
17.00	-	Arrival London St. Pancras	10.00	-	HMP Wandsworth
17.45	-	Arrival YHA London Central Hostel	12.45	-	Travel/Break
19.00	-	Off-time	13.45	-	King's College London + St. John's Church
			16.00	-	St. Thomas Hospital
02	Sunday		17.00	-	Tate Modern / St. Paul Cathedral
10.00	-	Off-time	18.00	-	Off-time
14.00	-	Ambassy Quarter	05	Wednesday	
15.00	-	Regent's University at Regent's Park	10.00	-	UCL Campus/St. Pancras Parish Church/Hospital
16.30	-	Hospital Quarter	13.00	-	Break
18.00	-	Off-time	14.00	-	King's College + Churches + LSE + Royal Court of Justice + Embassy + St. Paul Cathedral + City of London
03	Monday		20.30	-	Diner
10.00	-	Parliament Square Garden + Supreme Court + Palace of Westminster + St. Thomas Hospital	22.00	-	Soho
14.00	-	Break	23.00	-	Off-time
15.00	-	Southwark Cathedral + King's College London + Guy's Hospital/Chapel	06	Thursday	
17.30	-	Off-time	10.30	-	Check-out Hostel
			12.30	-	Barbacan
			16.00	-	Collect at YHA London Central Hostel
			17.15	-	Departure London St. Pancras

Fig. 13 - Planning Excursion Field Research
Proposed research schedule, visiting (the areas surrounding) all institutional typologies in a variety of different research locations.



Fig. 14 - Toolkit Field Research
Toolkit as used for reading, mapping/visualizing, and analysing the city.

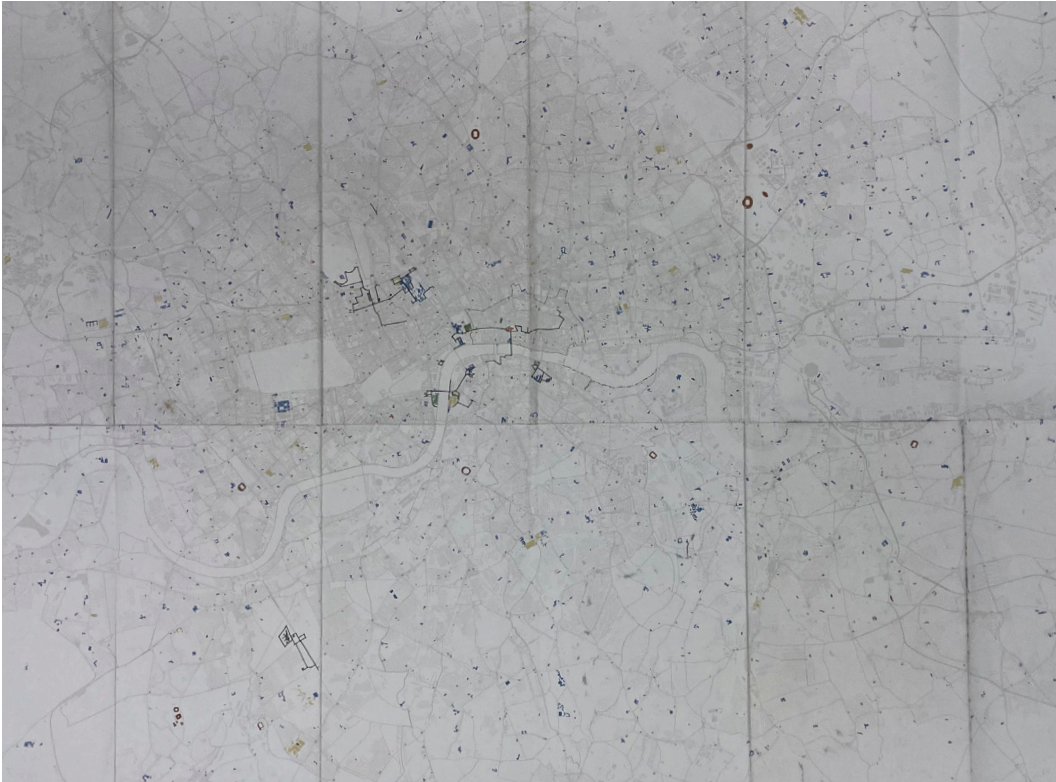


Fig. 15 - Tracing Field Research
Tracing of the (walking) routes as undertaken during the field excursions within the city.



Fig. 16 - Inventory of Elements: Institutions of Knowledge (A)
From left to right; Regent's Park University, King's College London (A), King's College London (B), University College London.



Fig. 17 - Inventory of Elements: Institutions of Knowledge (B)
From left to right; London School of Economics, King's College London (C).



Fig. 18 - Inventory Institutions of Knowledge (Universities)

Inventory of the Institutions of Knowledge that were marked as sites of interest among the prominent transects of the Greater City of London reaching out to other boroughs. The field research as focussed on elements indicating transition were inventoried on their significance. Herein, University College London caught attention due to the controlling architectural elements and thresholds



Fig. 19 - Aerial View: Site of Interest Institution of Knowledge (UCL Campus)

Aerial view of the University Campus London, showing the concatenation and interrelation of campus buildings.

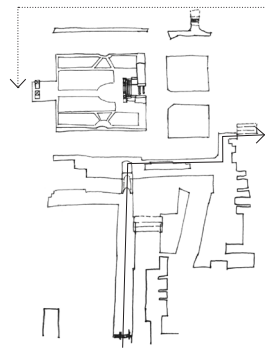
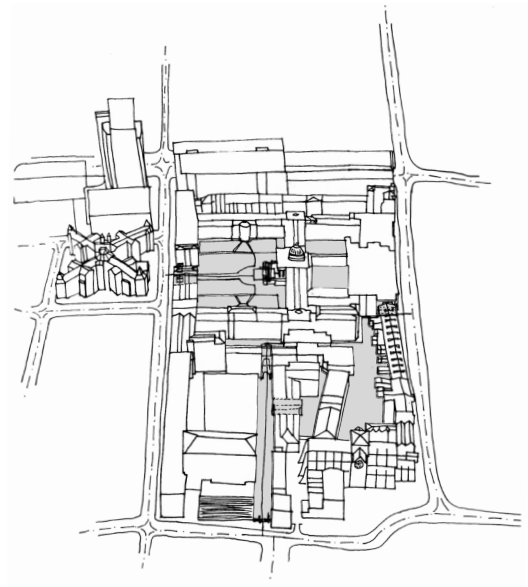


Fig. 20 - Relational Analysis of the Institution of Knowledge (UCL) with the Institutional Interspace

Research into the use of thresholds within the steering/movement of bodies, by the Institution of Knowledge (University College London), and its potential conditioning of the institutional interspace.

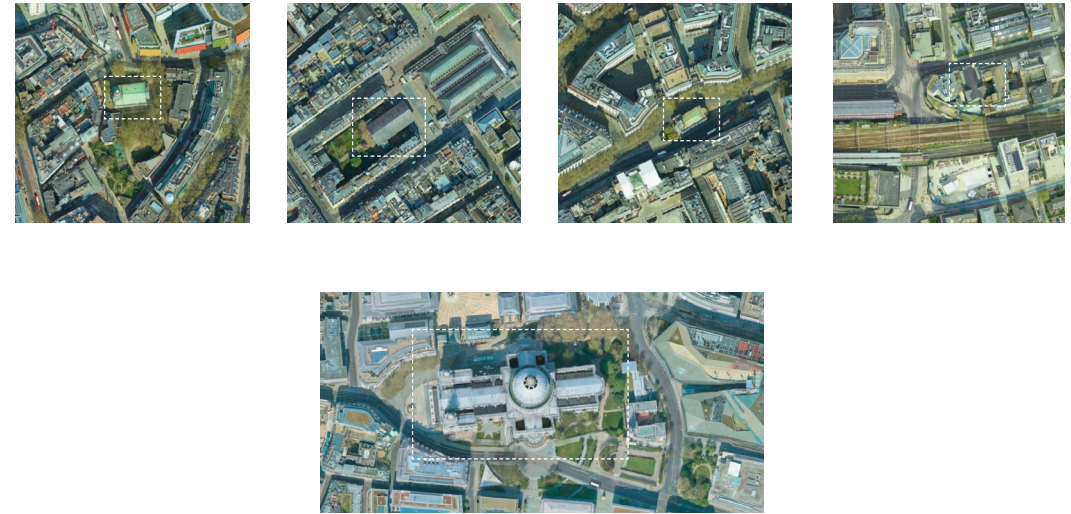


Fig. 21 - Areal Views Institutions of Religion (Churches, Cathedrals)

Inventory of Institutions of Religion and their embeddedness within the city (conditioning of areas (connecting roads, (inter)space surrounding) characteristics (materiality, elements).



Fig. 22 - Inventory Institutions of Religion (Churches, Cathedrals)

Inventory of the Institutions of Religion that were marked as sites of interest among the prominent transects of the Greater City of London reaching out to other boroughs. The field research as focussed on elements indicating transition were inventoried on their significance. Herein, the St. Paul Cathedral and St. Mary le Strand Church caught attention due to their embeddedness within the city.

Scale 1:12500



Scale 1:12500

Fig. 23 - Approximation Confrontations of Bodies: Sequence of Churches
Investigation into the changing nature of confrontations between bodies and institutions of religion. Specifically, considered in relation with connecting and surrounding spaces.



Fig. 24 - Inventory of Elements: Institutions of Religion (A)
From left to right; Southwark Cathedral, Guy's Chapel.



Fig. 25 - Inventory of Elements: Institutions of Religion (B)
From left to right; St. Mary le Strand Church, St. Paul Cathedral, Saint Pancris Parish Church, St. Clemens Danes Church.

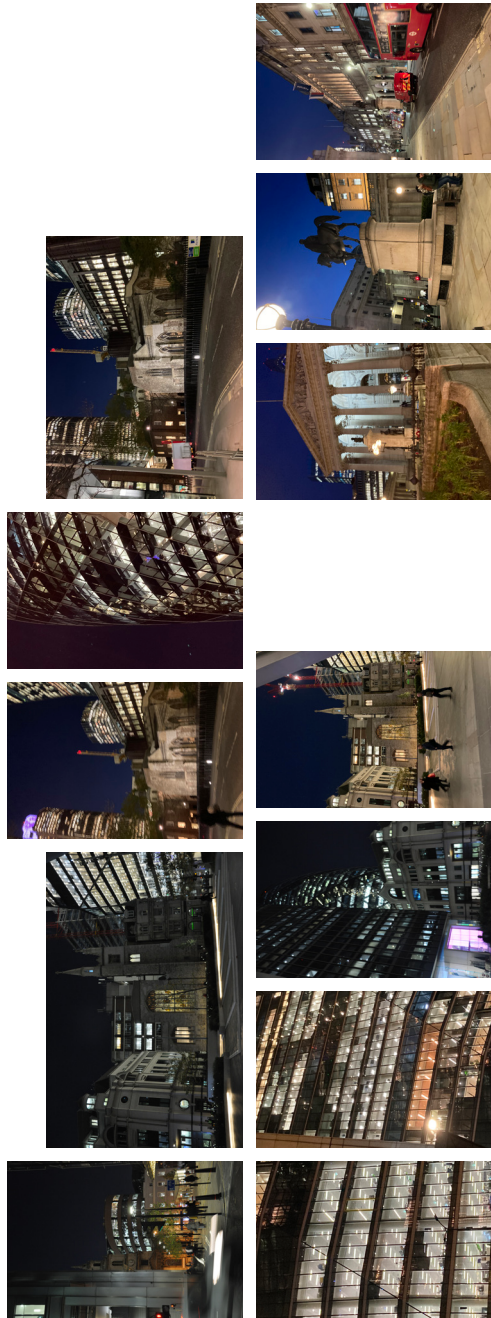


Fig. 26 - Inventory of Elements: Institutions of Religion (C)
St. Helen's Church

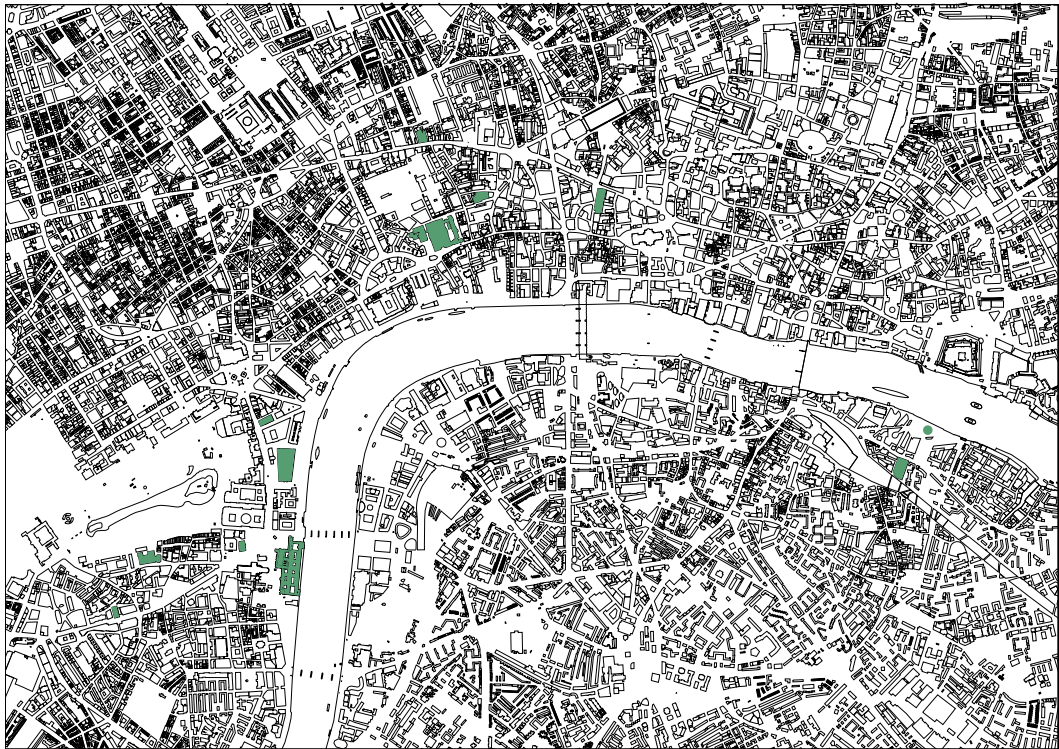


Fig. 27 - Inventory Institutions of Power (Universities)
Inventory of the Institutions of Power that were marked as sites of interest among the prominent transects of the Greater City of London reaching out to other boroughs. The field research as focussed on elements indicating transition were inventoried on their significance. Herein, the Surpreme Court caught attention due to the reflective characteristics of the institution within the surrounding area (a.o. Parliament Square Garden).



Fig. 28 - Inventory of Elements: Institutions of Power (A)
From left to right; Embassy Area (Portland Pl), The Supreme Court.



Fig. 29 - Inventory of Elements: Institutions of Power (B)
From left to right; Parliament Square Garden (The Supreme Court), Westminster Abbey, Royal Courts of Justice.



Fig. 30 - Inventory Distinctions (Biological)
Inventory of Distinctions (Biological) that were marked as sites of interest among the prominent transects of the Greater City of London reaching out to other boroughs. The field research as focussed on elements indicating transition were inventoried on their significance.



Fig. 31 - Inventory of Elements: Distinctions (Biological)

From left to right; Guy's and St. Thomas' Hospital (A), (Private) Hospital Area (Marylebone), Guy's and St. Thomas' Hospital (B), University College Hospital.



Scale 1:12500

Fig. 32 - Inventory Institutions of Control (Prison)
Inventory of the Institutions of Control that were marked as sites of interest among the prominent transects of the Greater City of London reaching out to other boroughs. The field research as focussed on elements indicating transition were inventoried on their significance.



Fig. 33 - Areal View Institution of Control (Prison)
Aerial view of the HMP Wandsworth, showing the urbanized (residential) area surrounding the prison area.



Fig. 34 - Inventory of Elements: Institutions of Control (Prison)
HMP Wandsworth Prison.

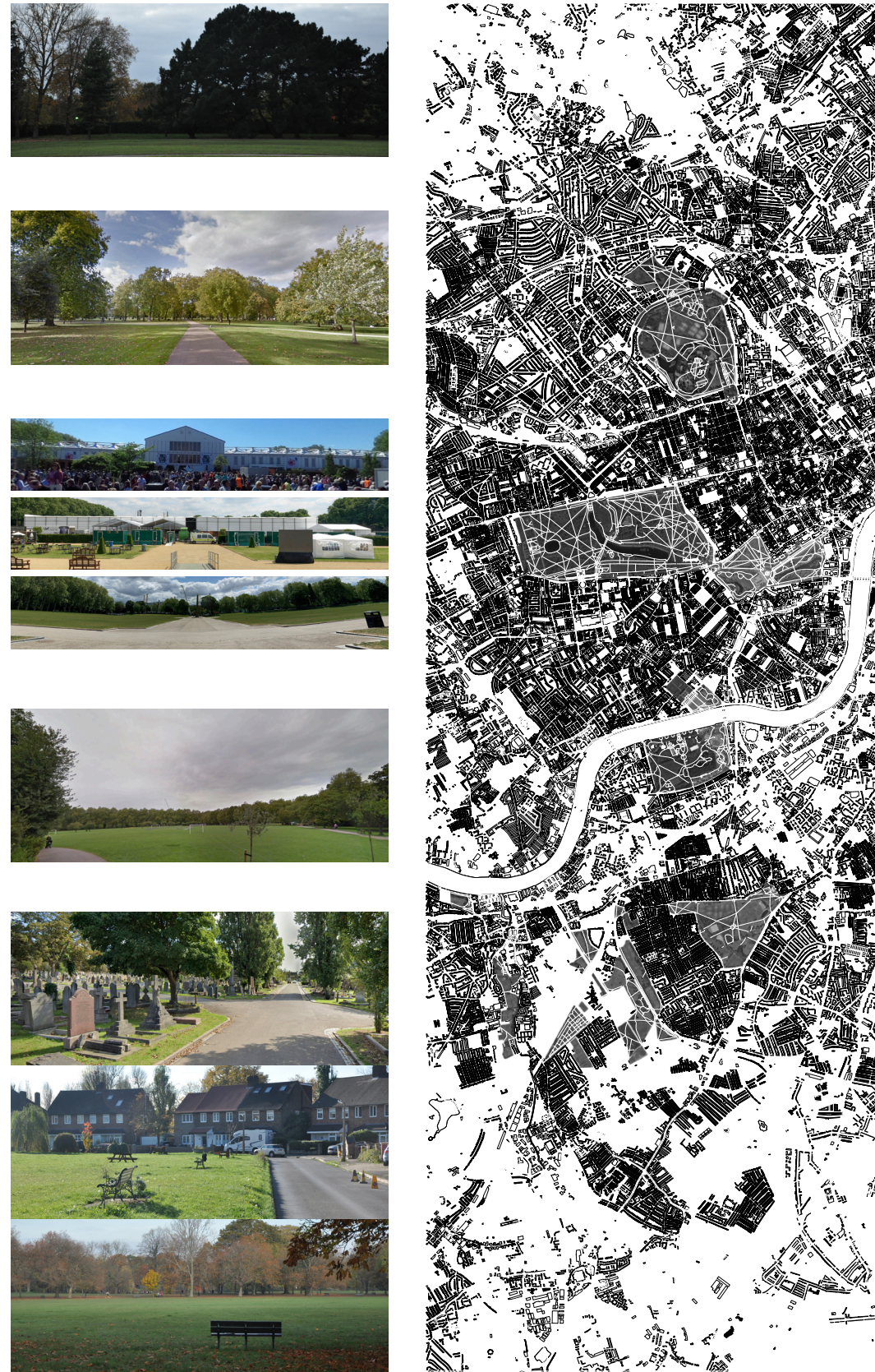


Fig. 35 - Transition Interspaces (Green/Park): Institutions of Control
Inventory of the green (parks) interspaces as found on the transect of the HMP Wandsworth to the Greater City of London. Change in characteristics (elements, (material) conditions), and conditions and types of use.

Scale 1:22500



Fig. 36 - Transition of Parking Spaces: Institutions of Control
Transitioning of parking facilities leading up, and surrounding the institution of power. Notable is the change of security, amounts of control, and types of parking facilities surrounding the prison, and relationally, the (residential) areas..

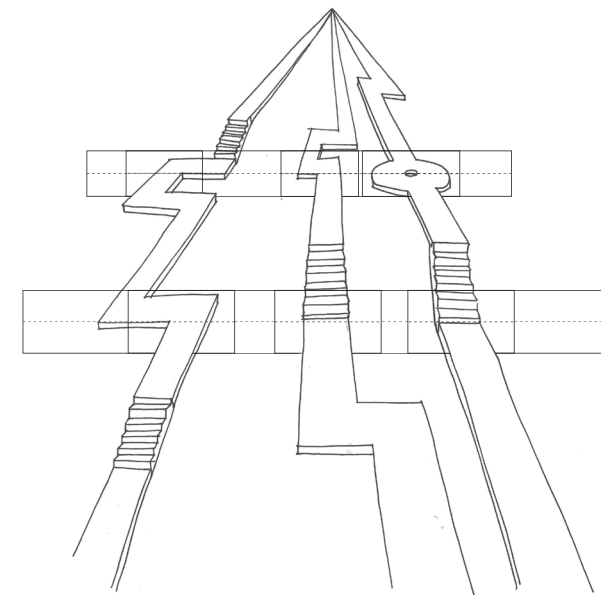


Fig. 37 - Paths of Influence/Disturbance
Representation of the explorations of thoughts, on how certain conditions, similarly/ distinctively can have impact on (the confrontations of) bodies (in relation with the institutions).

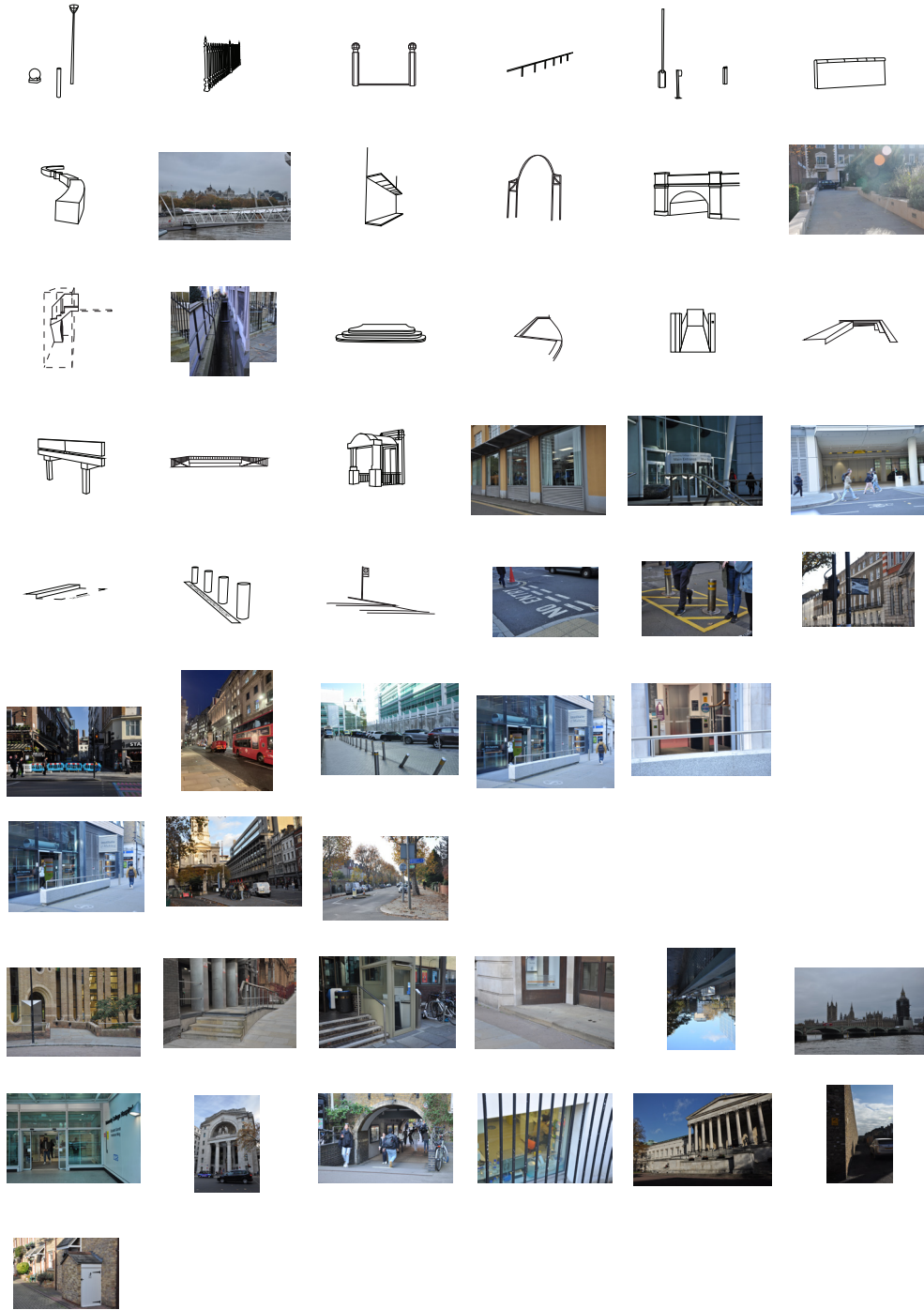


Fig. 38 - Catalogue of Thresholds
Result of the site visit of London, analysing the relation of the body with the institutional interspaces. Gathered through an inventory of elements (thresholds) determining (spatial) relations of bodies in encounters with the architectures of institutions, and the potentialness of space as (indicator of) in-between relations.

III PART B: CONCEPTUAL + THEORETIC FRAMEWORK
OTHERING, DICHOTOMIES, IN-BETWEEN

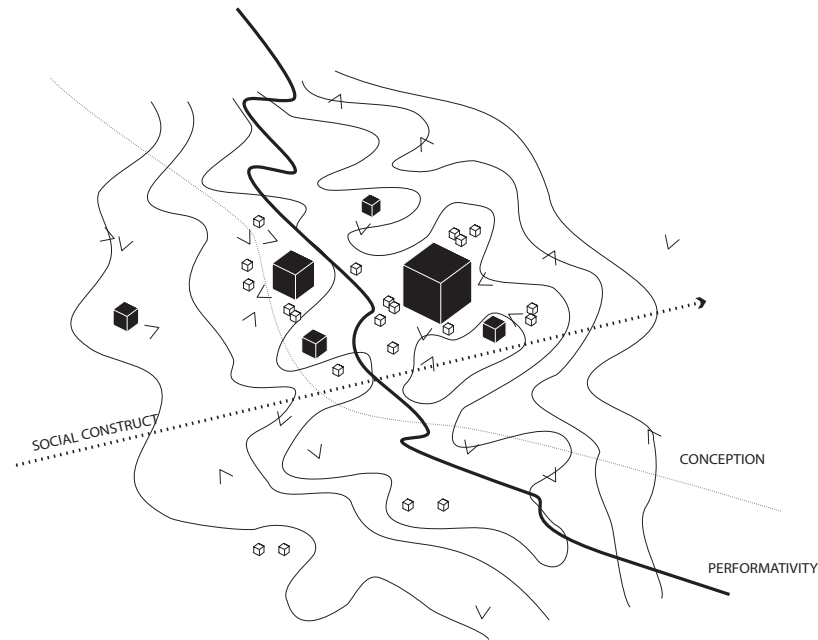


Fig. 39 - Relations of Bodies
First exploration on the influence of confrontations of bodies, on the individual bodies' conceptions and performances, and consequential development and evolution of the social bodies' social constructs.

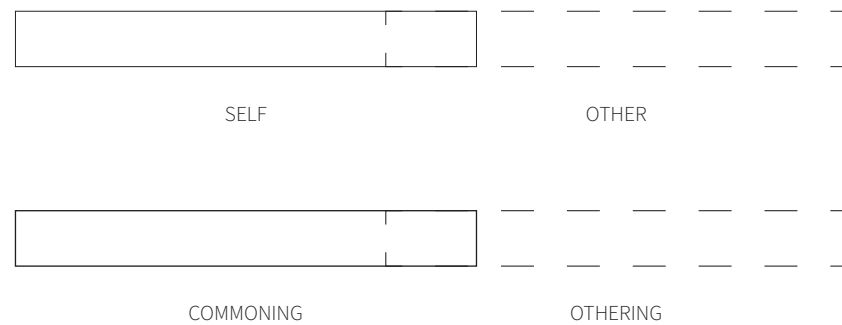


Fig. 40 - Schematic Approximation of Othering Practices
Practices of the othering of the self as opposed to the other, of what is considered to be common as opposed to the other. Reflective in the othering of the (normative) body, gender, race, age, sexuality, religion, political affiliation, etc.

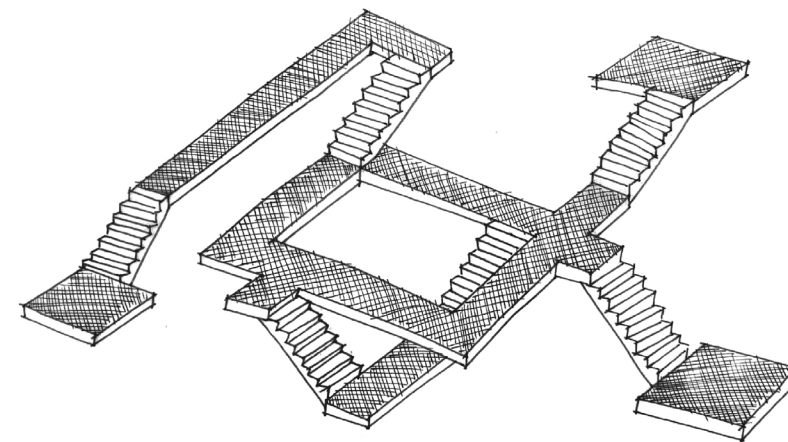
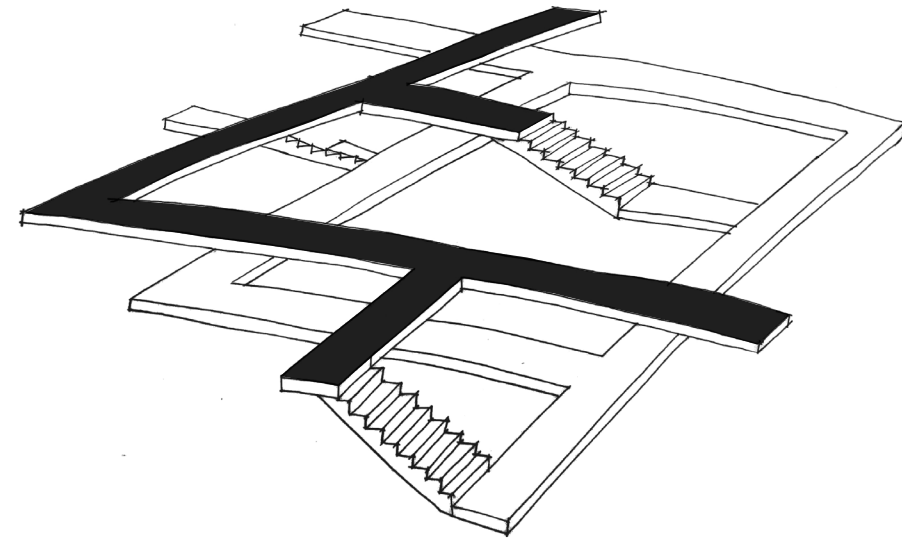


Fig. 41 - Path of Othering, Path of Diffusion
Positioning of (the) self in relations with (the) other (Path of Othering).
The potential of beyond, of a positioning through diffusion, of what is considered self and other (Path of Diffusion).

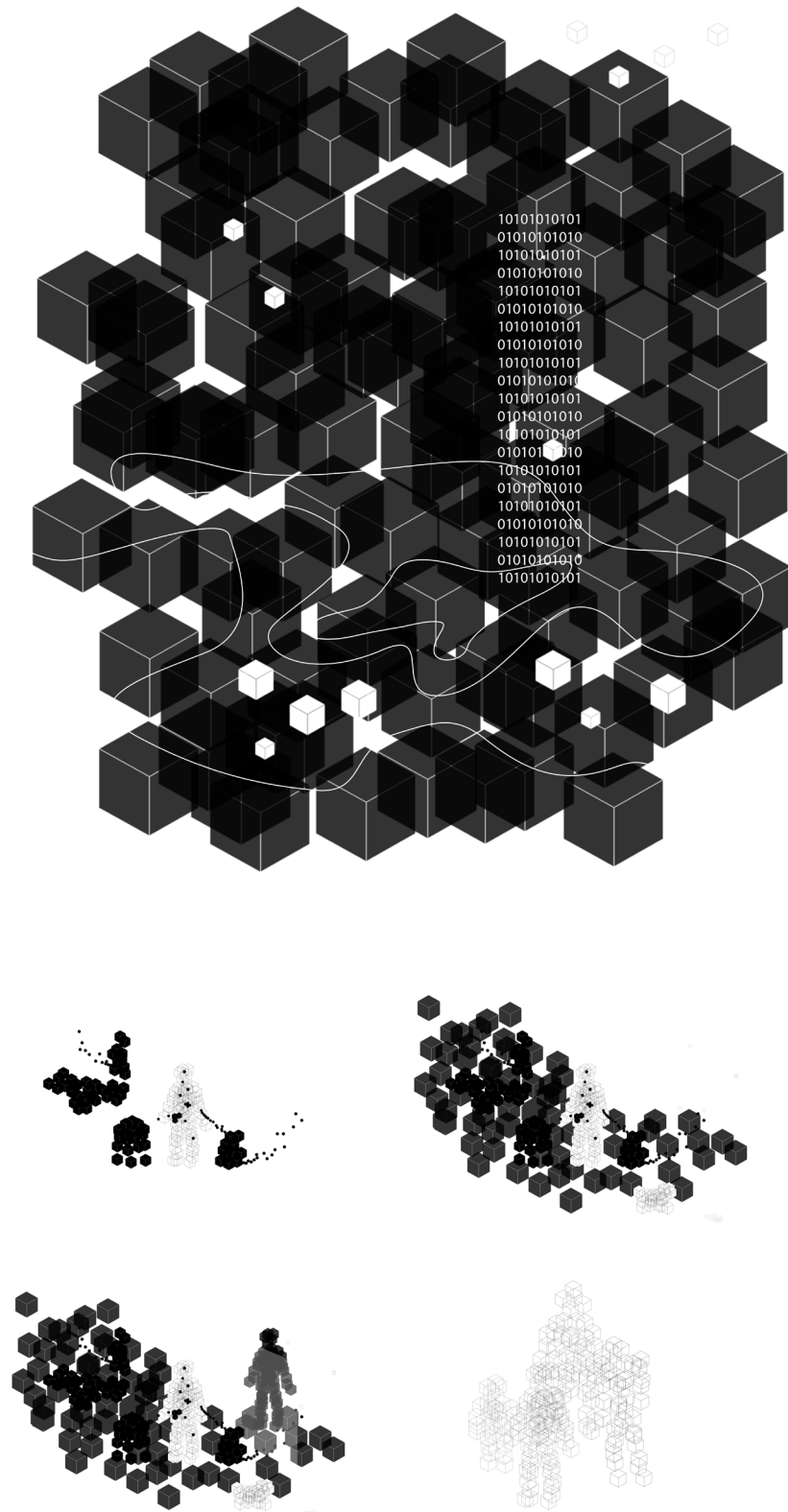


Fig. 42 - Reflective Approximations Bodies' Dichotomies
Consideration of the body as formed by, and distinguished from, its environment (natural-, technical-, machine-, cyborg-, human bodies).

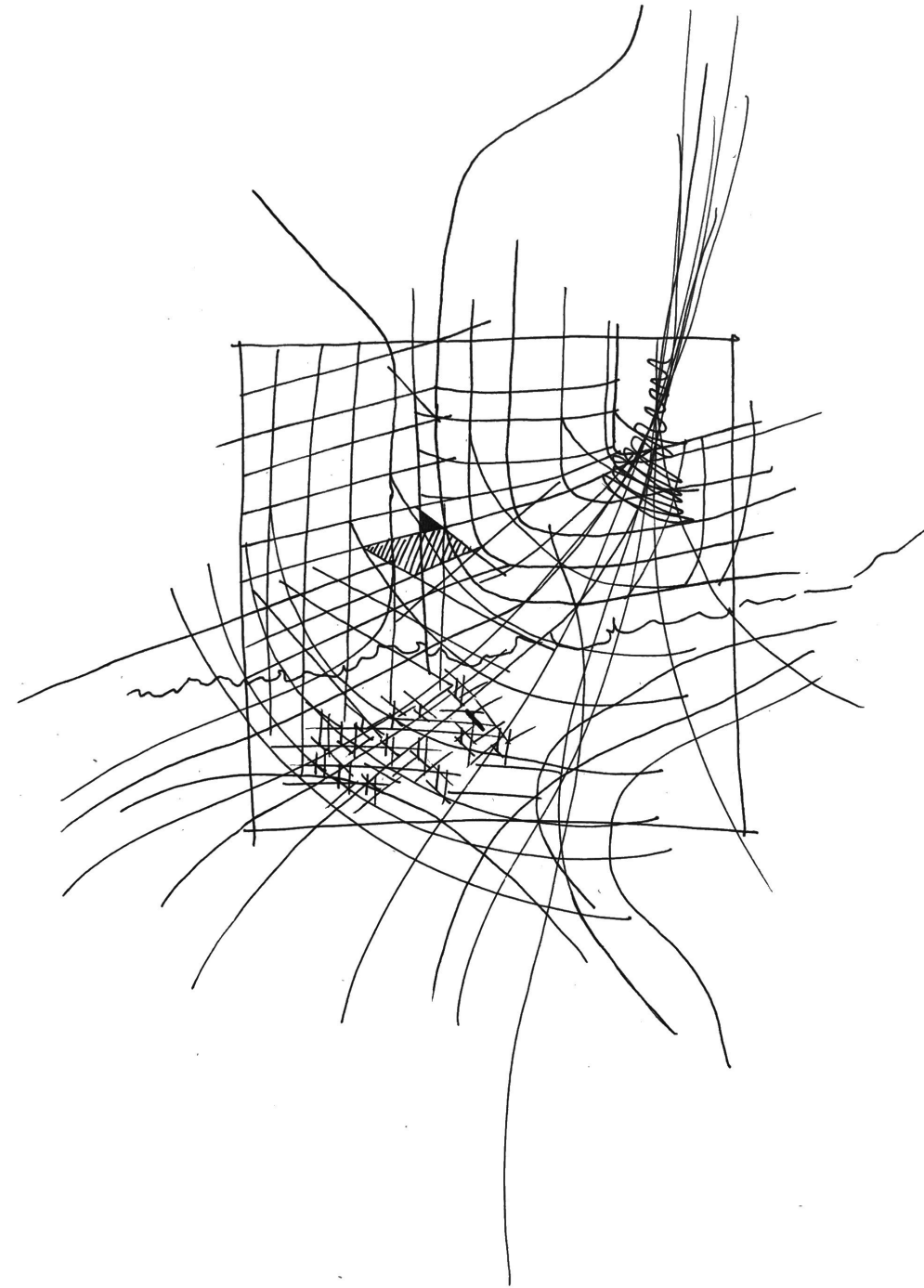


Fig. 43 - The In-Between of Power, Bodies, Architectures, Cities

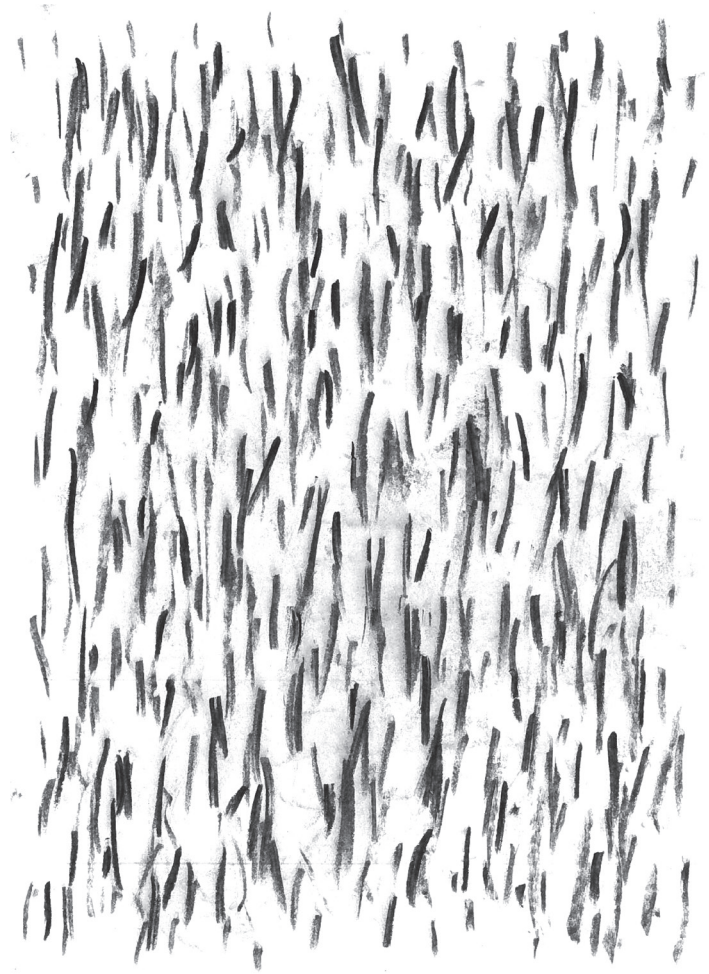


Fig. 44A - Five Panel: Worlds of Parts, Assemblies, Relations, In-Betweens (Next Page)

From left to right; in the relations of bodies and cities, all may be reduced into parts. Parts which, due to the specificity of forces, are able to form assemblies. These assemblies are formed by, and are able to establish (new) relations. Influence on the process of established relations, should perform within all that is between. Between parts that assemble and constitute relations. The in-between can be approximated as either the layering of processes, or the tensioning that constitute this.



Fig. 44B - Five-Panel: Worlds of Parts, Assemblies, Relations, In-Betweens (Previous Page)

From left to right; in the relations of bodies and cities, all may be reduced into parts. Parts which, due to the specificity of forces, are able to form assemblies. These assemblies are formed by, and are able to establish (new) relations. Influence on the process of established relations, should perform within all that is between. Between parts that assemble and constitute relations. The in-between can be approximated as either the layering of processes, or the tensioning that constitute this.

IV PART C: RESEARCH APPLICATION
PARTS, ASSEMBLIES, RELATIONS, IN-BETWEENS

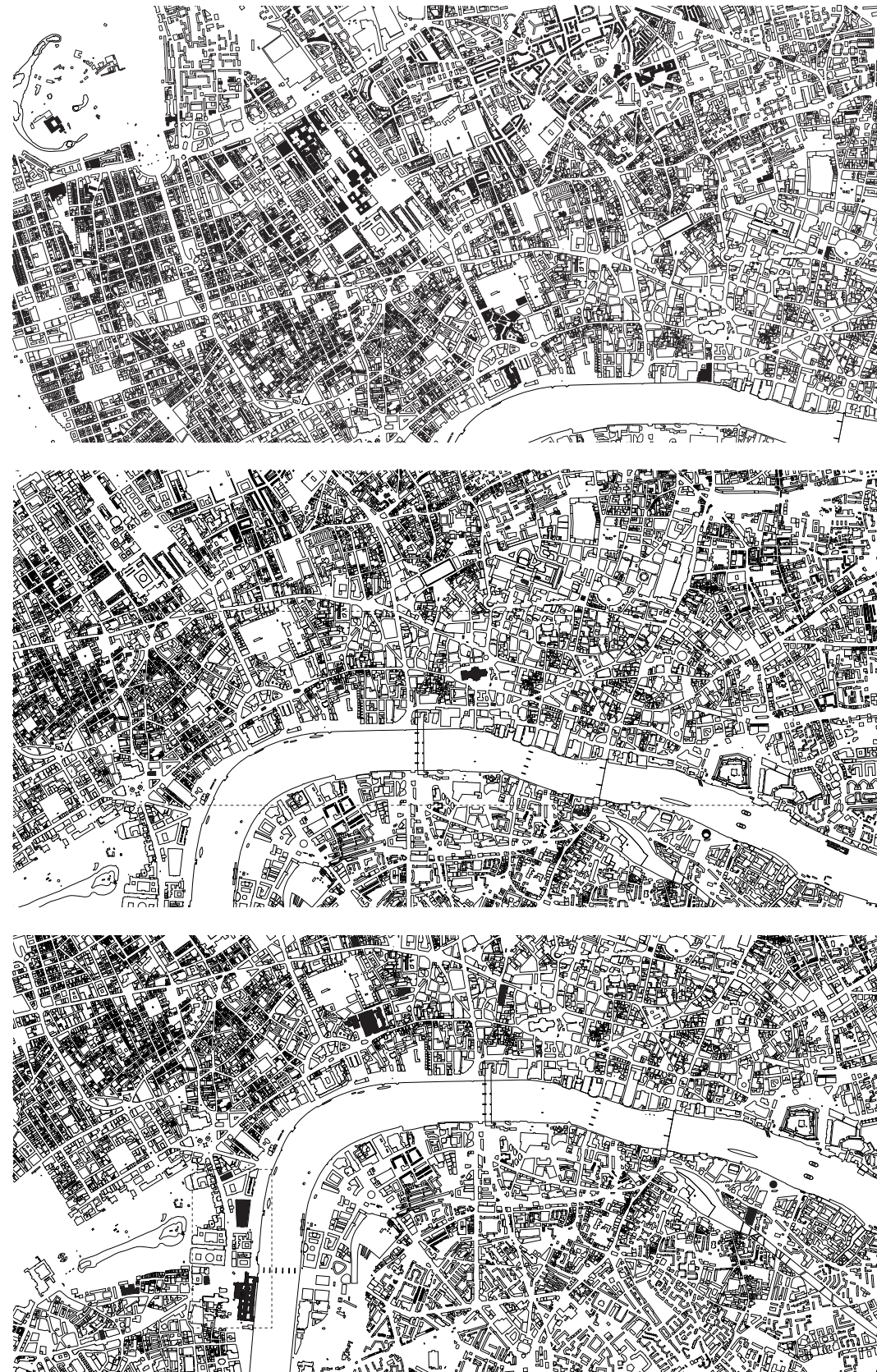


Fig. 45 - Selection Research Locations

Specified research locations (from top to bottom): Institutions of Knowledge (UCL Campus); Institutions of Religion (churches area), Institutions of Power (Whitehall/Parliament St.).

Scale 1:12500



Fig. 46 - Exploration of In-Between Relations of Bodies, Architectures and Cities

Conditioning of in-betweens, through potential inside/outside relations (of buildings, zones, areas, districts, cities).

Scale 1:3333



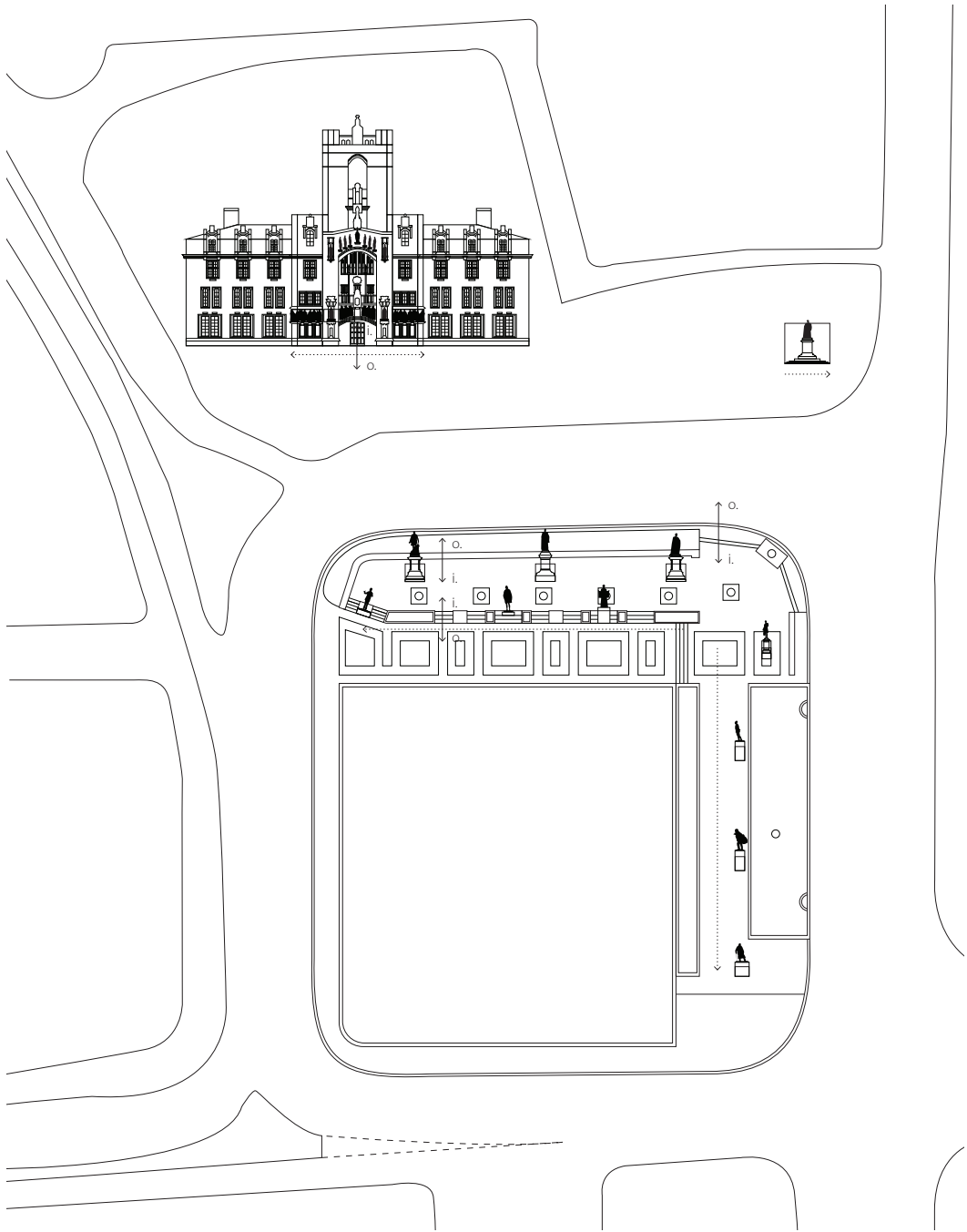


Fig. 47 - Relational Analysis of Representation Space and the Inside/Outside conditions of the In-Between (Interspace:Square)

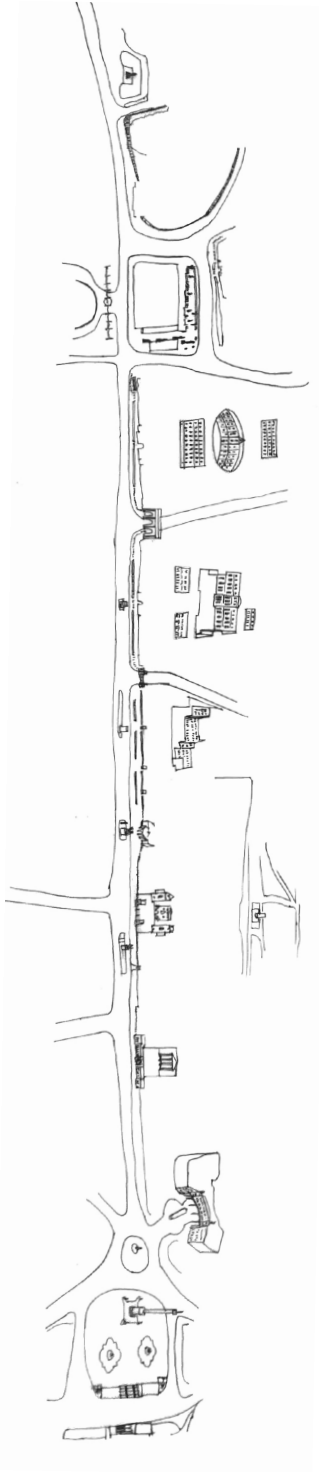
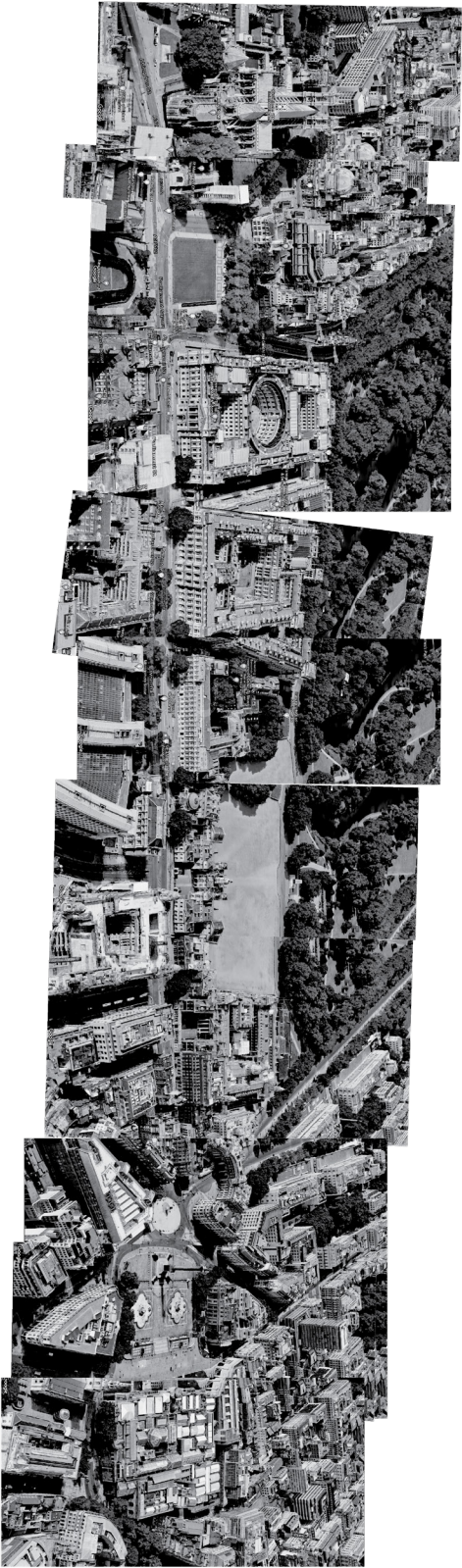


Fig. 48 - Relational Analysis of Representation Space and the Inside/Outside conditions of the In-Between (Interspace: Street)



Intervention Strategy

Institution	Knowledge	Religion	Power	Control	Health
Typology	Primary School, Secondary School, University, Library	Churches, Cathedrals, Mosques	Courts	Prisons	Doctor Practices Hospital
Mode of Control	Constructs (Believes, Morality) (1)	Constructs (Believes, Morality) (1)	Constructs (Believes, Morality) (1), Sanction (2)	Saction (Emprisonment) (1), Constructs (Believes, Morality) (2)	Knowledge/Treatment (1), Constructs (Believes) (2)
Duration of Control	Programme	Period/Life	Remand, Prosecution, Sentence	Sentence	Treatment
Actors	Pupils (Children, Teenagers), Students (Young Adults), Workers,Passer-by	Religious Users, Workers, ((Non)-Religious) Passer-by	Convicted, Court/Enforce-ment Workers, Visitors, ((Non)-Prosecuted) Passer-by	Convicted, Visitors, Workers	Patients, Visitors, Workers
Scale	Block/Neighborhood	Block/Neighborhood	Area/District	Area/District	Area/District
Main Strategy of Space	Space of Representation, Space of Relation, Relational Space	Representational Space, Space of Representation, Space of Relation	Representational Space, Space of Representation, Space of Relation	Representational Space, Space of Representation, Space of Relation	Relational Space
Future Role

Strategy of Overturning



Dismantle, Disrupt, Transform, Reframe

Fig. 49 - Operational Matrix (Institutions of Knowledge, Religion, Power, Control, Health)

Research operationalization, specifically related to institutional typologies. Generally, the matrix proposes a strategy of overturning institutional power. Distinction (Biological) was considered as Institution of Health. Distinction (Sex versus Gender) was removed from the matrix, as the research was broadened to systemic that included all binary oppositions (othering practices).

Institution of Knowledge



University (UCL)



Scale 1:12500

Fig. 50 - Selection Institution of Interest (UCL Campus)

The field research in London resulted in the selection of University College London as site of interest amongst the Institutions of Knowledge.

Institution of Religion



Church (St. Mary le Strand)



Fig. 51 - Selection Institution of Interest (St. Mary le Strand)

The field research and analysis of the churches, resulted in the selection of the St. Mary le Strand church as site of interest amongst the Institutions of Religion.

Scale 1:12500



Institution of Power



Court Hall (Supreme Court)

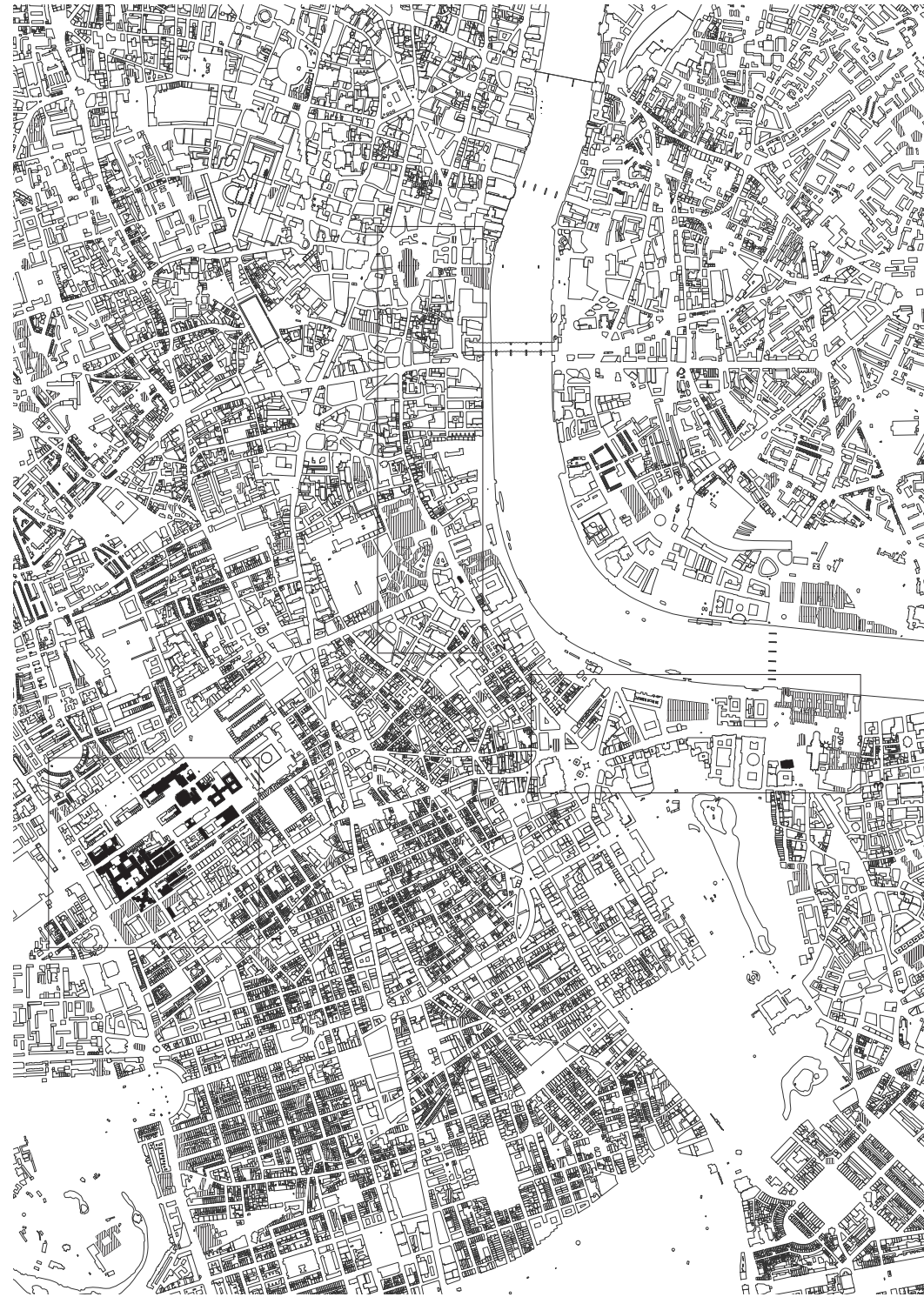


Fig. 52 - Selection Institution of Interest (Supreme Court (Area))

The field research and analysis of the Institutions of Power, resulted in the selection of the Supreme Court (area) as site of interest.

Scale 1:12500





Scale 1:12500

Fig. 53 - Overview Sites of Interest

Overview of the selected Institutions of Knowledge (UCL Campus), Religion (St. Mary le Strand Church), Power (Supreme Court (Area)).



Fig. 54 - Relations of Movement (Traffic) with Encounters Institutions (A)

The structuring of the city as response to the selected institutions. The institutions are connected through prominent guidelines. In the development of the city, the St. Mary le Strand Church (Institution of Religion) became the centralized object within new constructions. Where it established its role as roundabout as connector of the main structures of the city.

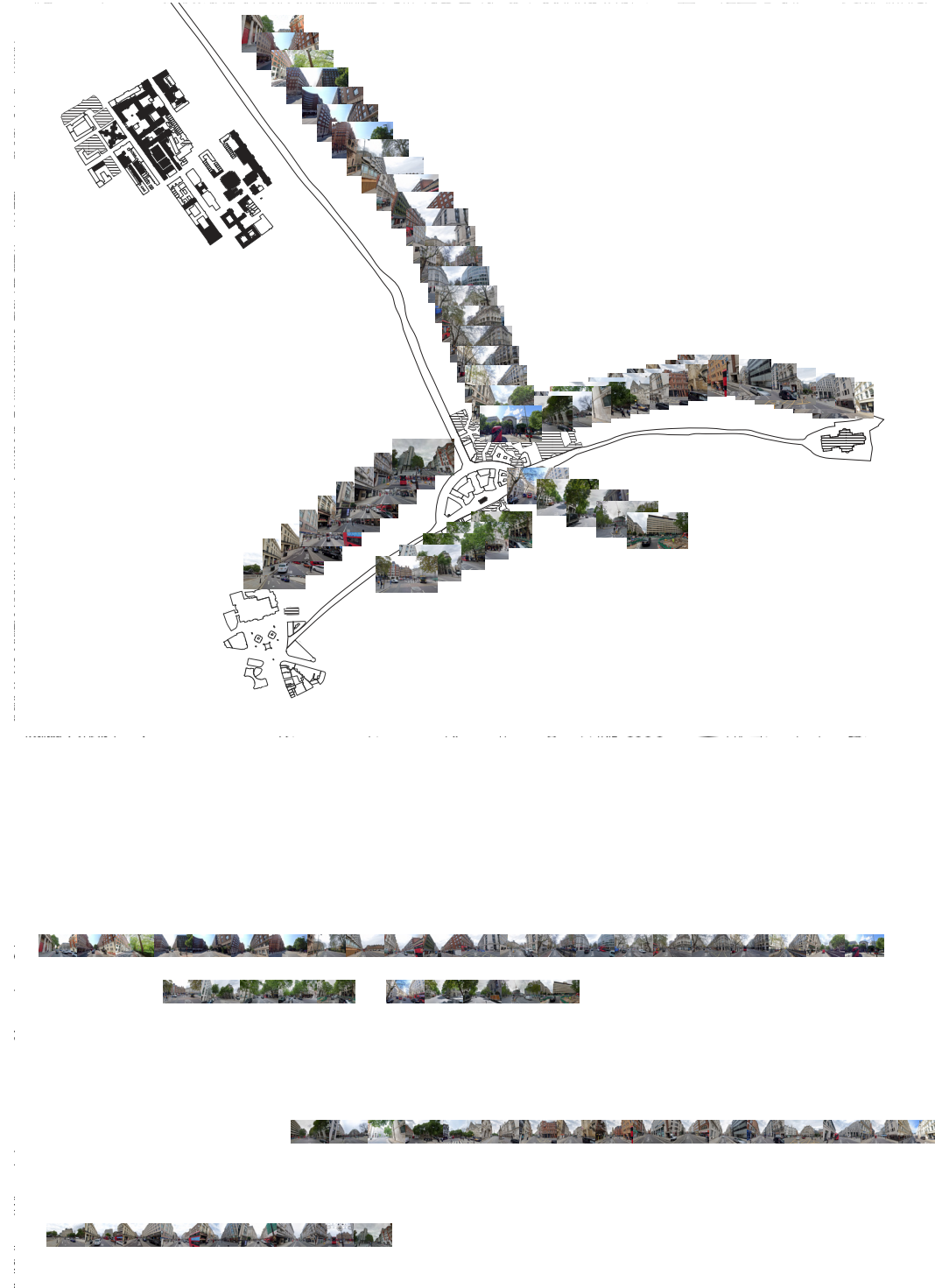


Fig. 55 - Relations of Movement (Traffic) with Encounters Institutions (B)

The structuring of the city as response to the selected institutions. The institutions are connected through prominent guidelines. In the development of the city, the St. Mary le Strand Church (Institution of Religion) became the centralized object within new constructions. Where it established its role as roundabout as connector of the main structures of the city.

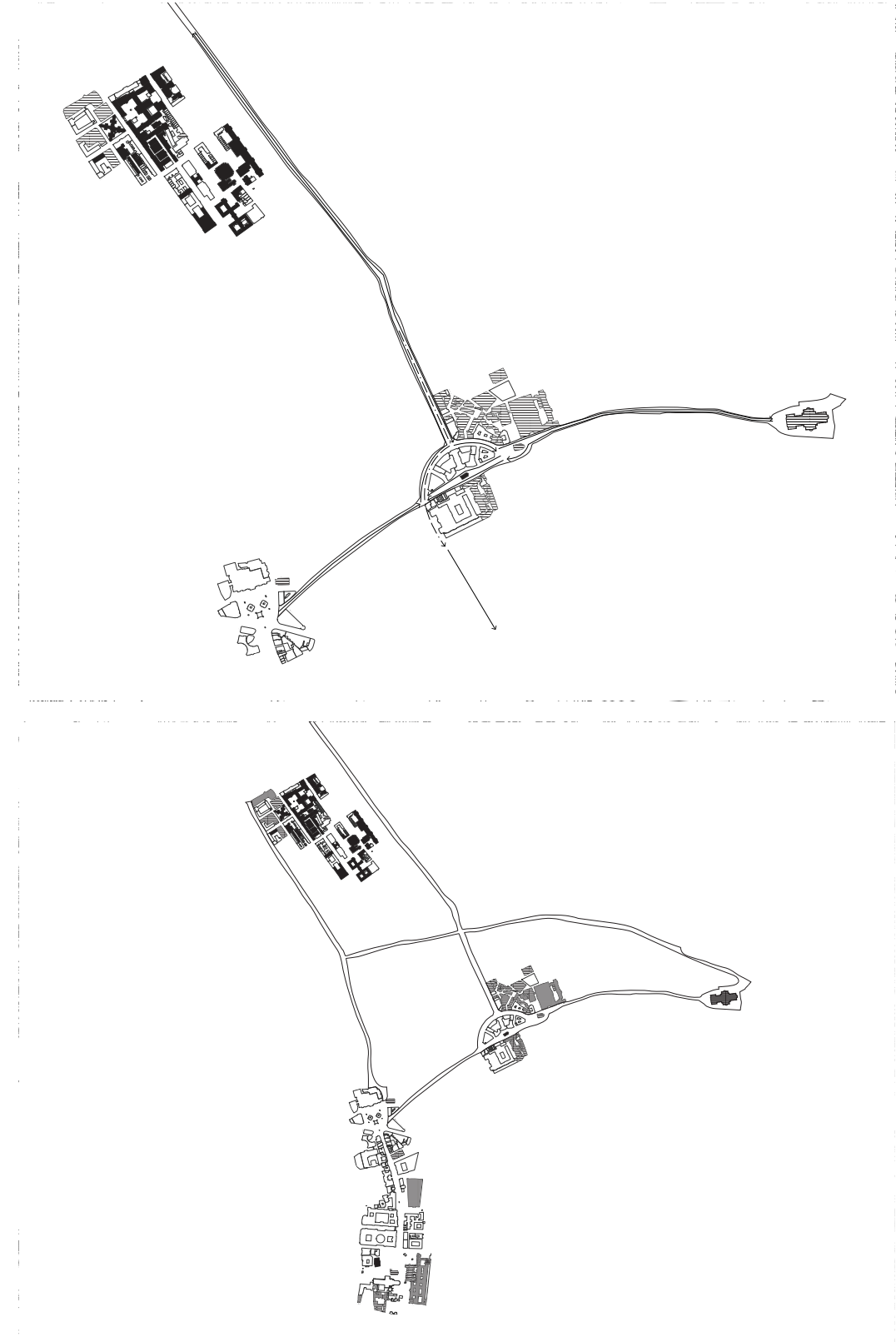


Fig. 56 - Relations of Movement (Traffic) with Encounters Institutions (C)

The structuring of the city as response to the selected institutions. The institutions are connected through prominent guidelines. In the development of the city, the St. Mary le Strand Church (Institution of Religion) became the centralized object within new constructions. Where it established its role as roundabout as connector of the main structures of the city.



Fig. 57 - Result of Changed Relations (St. Mary le Strand)
Changed operationality (slow/fast traffic) of the area surrounding the St. Mary le Strand Church. Where the church used to be part of a square, it is now in-between a four-lane road.

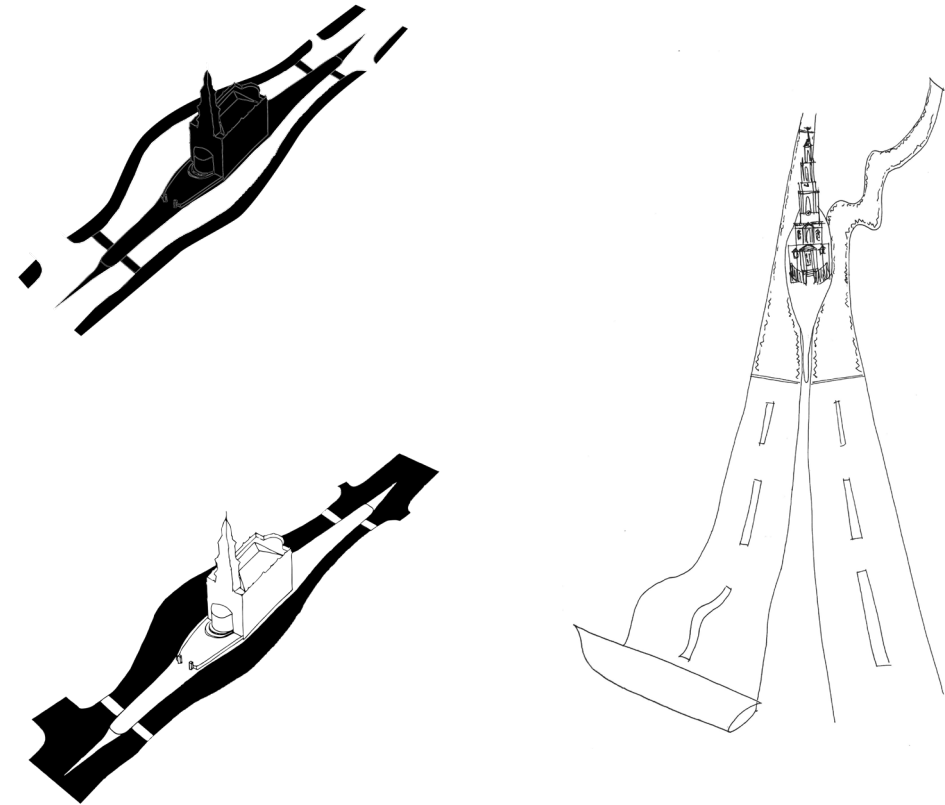


Fig. 58 - Representational Analysis of the Institution of Religion and its relations with bodies
Research into the relation of the locations of institutions in the encounters with bodies, and the potential use of in-between conditions in establishing relations of power.

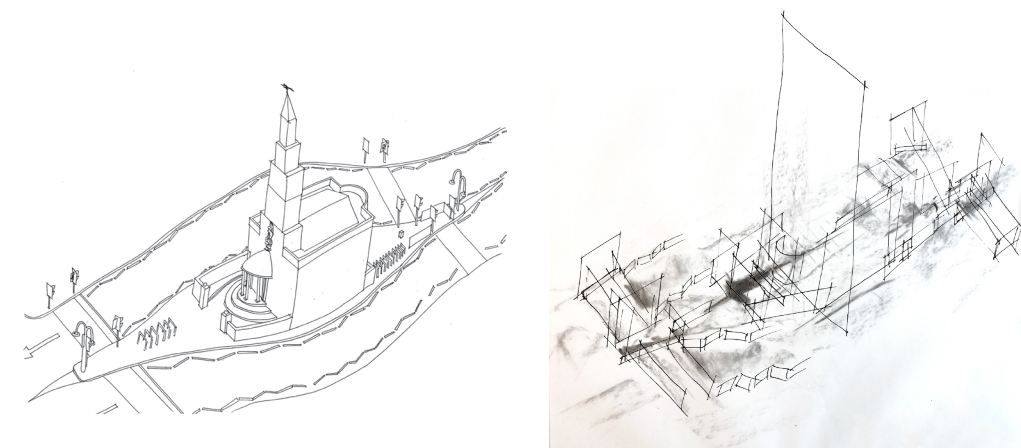


Fig. 59 - Representational Analysis of the Institution of Religion and the Interfaces of Power
Research in the use of thresholds and the establishing of effects within the encounters of bodies with the institutions. Visualizing the relations of layers within the architectures and its characteristics as potential interface of power.

**(DE)CONSTRUCTING POWER IN THE INSTITUTIONAL INTERSPACE
CONTROLLING BODIES IN PLACES OF KNOWLEDGE, JUSTICE AND RELIGION**

Keywords: power (structures), bodies, cities, architectures, othering, institutions, bodies-cities, interspace, inbetween, body politics, embodiment

II CONTENT

- 01 Background Information
- 02 Graduation Project
- 03 Process
- 04 Reflection

01 BACKGROUND INFORMATION

01 Personal Information

Name: Lenneke Slangen
Student Number: 4452593

02 Studio

Name: A3DC100 Architectural Design Crossovers
Theme: Heterogeneous City - London
Main Mentor: A.S. Alkan (Design)
Second Mentor: F. Speksnijder (Building Technology)
Third Mentor: J.A. Kuijper (Research)

03 Argumentation of studio choice

The Architectural Design Crossovers Studio enables me to explore my fascination with a rather explorative and theoretical approach. The fascination that I’m exploring in the ADC studio contains the interest in the origin, existence, and continuation of practices of othering (initiatelly, of genders) in society, based on obsolete social constructs and ideologies. The topic, in research and design, requires a multidisciplinary, multilayered, and multi-scaled research, which ultimate leads to the specified design brief, and similarly matches the framework for design in the ADC studio.

01 Title Graduation Project

(De)constructing Power in the Institutional Interspace: Controlling Bodies in Places of Knowledge, Justice and Religion

02 Goal

Location: The Greater City of London

02.01 Problem Statement

Many (obsolete) social constructs, of othering practices, are resulting in social inequalities in contemporary society. Power structures that have utterances of social inequalities within contemporary society, might be symptoms of power structures that are historic but have not (yet) become obsolete. The problem of (social) inequality that is often viewed of, and researched as, socio-political might potentially be spatial. As the bodies' and cities' relation is reciprocal, social relations of individuals cannot be researched merely as socio-political. Hence, it is relevant to research how these obsolete constructs are embedded in the (spatial) relations of power, bodies, and architectures of cities. Researching how these potentially have sustained oppressive spatial implications and social mechanisms, and how this might result in the practices of othering. Additionally, is also the lacking of a proper spatial solution to these embedded obsolete social constructs, what is needed in order to better respond to these relations of (future) power, bodies, and architectures of cities.

02.02 Research Questions and Objectives

The generally posed research question therefore is the following:
How can, the relations of power, bodies, and architectures (of cities), through architectural relations, - representations and/ or - implications of othering, be dismantled, disrupted, transformed, reframed, to neglect

embedded social constructs of othering practices?

However, more specifically, the research focuses on the controlling in, and of relations of power, bodies, and architectures of cities, that are dynamic and reciprocate. The aforementioned concepts, are researched from the model of relations that considers, and includes all that is in-between. The notion of power, which in contemporary society contributes to practices of othering, in this research, is considered institutional. The research considers the model of relations of institutional power as the institutional interspace: all between power, bodies, and architectures. Making use of the negotiation space of the in-between, the interfaces of power, and the role of thresholds (physical and mental, hard- and soft-coded), in the construction of the other as opposed to the one. The research investigates how the institutional interspace should be considered to position itself towards and/or represent relations of power, bodies, and architectures of cities, and how it should accordingly realign and transform formations of these relations.

The aim of the research is to create a better understanding of all that is controlling in the institutional interspace, and to investigate how cities, with and through the architectures, potentially have the ability to influence bodies in conceptions/performances that might enable bodies to go beyond the practices of othering. Therefore, the posed research question is the following:
How should the architectures of relation/ representation of the institutional interspace, through the notion of the in-between (of relations of power, bodies, and architectures (of cities)), be dismantled, disrupted, transformed, or reframed, to establish a futuristic approach towards institutions and neglect embedded social constructs of othering practices?

Through the following sub-questions, the main research question will be answered:
a.) How can we understand the relation of bodies and cities, from/as the in-between?
b.) What can be defined as power

structures/- relations in the institutional interspace, and how do they aim to control bodies?

- c.) What are the conditions of bodies in confrontations to institutions/powers, what are the conditions of institutions in relations of powers and the confrontations with bodies?
- d.) How do the architectures (of cities) embody the power structures/- relations?
- e.) How do bodies confront with embodiments of power, how can this potentially control bodies' conceptions and performances?
- f.) How can the embodiments potentially be transformed in order to activate bodies to a neglect of conceptions and performances of othering practices?

02.03 Design Assignment

The design assignment strategizes the (de)construction of spatially embedded, and/or socially mechanized, obsolete constructs within the institutional interspace, establishing a rendering of space and time, that dismantles, disrupts, transforms, or reframes the subsisting (institutional) power on bodies from a proposed futuristic approach.

As the model of relations advocates the decentralized power of institutions, the design assignment includes a plurality of explorations. Hence, the design assignment focusses on different strategies for the institutions of knowledge, power, and religion. Although the research included a focus on the institutions of health and control, those have been left out of the design assignment as they do not align with the intended framework and research objectives of the institutional interspace (methods of control, systems of othering).

The design assignment, therefore, focusses on a courthouse, church and university, all with varying locations, sizes and (social) statuses.
a.) The courthouse, specifically, the

Supreme Court of Justice, is located in a historic, touristic area with many municipal buildings and public places.

- b.) The church researched, is the St. Mary Le Strand Church, in a location with a rich variety of historic churches, closely and strongly connected to the (historic) city center.
- c.) The university researched, is the UCL Campus, a well-known and broadly acknowledged, historic university campus. The campus consists of an assembly of old/ historical, slightly aged, and new (university) buildings. All locations, have different characteristics and conditions, resulting in different representational/relational spaces, and/ or spaces of representation/relation. Additionally, the locations are in strong relation, which provides potential for a large-scaled intervention strategy.

In all (three) locations, the institutional interspace as in-between, can be considered as a dynamically changing tension field. The thresholds that condition the in-between, and therefore constitutes the tension field, may be redefined systemically, by altering, adding, or removing. The intervention strategy aims to test a plurality of strategies, individually or in relation to a larger-scaled intervention strategy.

This way the design projects aims to redesign the locations of the courthouse, church, and university, by changing the bodies' relations and confrontations with these thresholds, aiming to change the systemic of othering. Potentially, in the redesign of locations, by means of reflection on the architectural discourse, the project may be linked to other additional programmes.

01 Method description

The institutional interspace is the framework used to investigate the extent to which the spatial relations of power, bodies, and architectures of cities result in practices of othering. Within this framework, my research inquires the mechanisms of control of/through the relations of power, bodies, architectures. The literature review helps me define the framework for the institutional interspace: to create a critical understanding of the relations; how they (intermediately) influence; how they are (re)presented (embodied) spatially; how they operate; what should be the conditions of institutions; how they can be dismantled/disrupted/transformed/reframed. Subsequently, in the design of the project, the project will position itself, by means of the framework, towards/with the architectural discourse.

The Institutional Interspace as seen in the Greater City of London will be researched as test ground of the conducted (literature) review. A variety of institutions (church (religion), courthouse (power), prison (control), university (knowledge), hospital (health)) will be used to create an understanding of different modes of power, and their different implementations and relations within the institutional interspace. The research has an emphasis on the city center of London, taking into consideration the historical origin of the city and influences of time, the soft framework of urbanity (as desired for possible aversions to othering practices), and the potential large-scaled influence of design interventions on a high-density urban area.

Researching the interfaces between power, human-, architectural-, and urban bodies, the research aims to probe the definitions, conditions and potencies of the in-between of the institutional interspace (places, spaces, inside/outside, levels, time, control/uncontrol, discipline/indiscipline). The research, simultaneously/reciprocally, makes use of literature review, representational explorations, and site analysis, to create a better understanding of the framework, elements/sites of research, their relations,

and conditions.

To further explore and specify the proposed framework, the following questions are researched through speculative/explorative drawings: What kind of in-betweens in the institutional interspace can we indicate? What may be considered as boundaries of these in-between? What can be considered as the insides/outside of the in-between? What do they suggest and/or point out regarding the notion and conditions of these in-between? What thresholds aim to frame, indicate, or control the in-between? How does the in-between relate to notions of power? How does it control bodies?

My research approach requires a multi-scalar frame. On the urban scale the institutional interspace is analyzed from the model of relations, through/from the architectural scale. Considering not only the functional use of the institution, but its functioning within the larger model of relations. Through the exploration of the relational in-betweens, I aim to define the different kinds of relations in, and representations of, the institutional interspace, as space of representation, representational space, relational space, and space of relation. Based on these explorations, I will create a frame of implementations in (conditions, characteristics, elements), and relations of/to the institutional interspace, to which I position myself in the following research and design proposal.

On the architectural scale I analyze institutions based on their interfacial qualities, how they either represent, implicate, enable, or become bodies of power, and how, through hard coded (materiality, spatial configurations) or soft coded (rituals/protocols/codes) characteristics/conditions, they (aim to) control bodies.

This multi-scalar approach requires, additionally, a multidisciplinary approach, obtaining knowledge from philosophy, psychology, biology, sociology, political science, architecture, landscape, and urban planning. This multidisciplinary approach helps to understand the institutional interspace, and to position it within the divergent theoretic framework. The multiple

perspectives originating from multiple domains, helps to understand the posed problem from the political, to the urban, the architectural and bodily scale. This will help me to position and condition the research, and to specify how the project finally will relate and respond to the larger theoretic framework.

As the conditions and characteristics of the institutional interspace vary situationally, for the research and following design assignment, I will focus on a selection of institutions (a church, court hall, and university), that vary in location, size, (social) status. This will allow me to understand and test multiple, and divergent, institutional interspaces, as representational/relational spaces and spaces of representation/relation, and to research and design for different strategies.

Based on the research of the institutional interspace, and their representational/relational conditions/characteristics, I will propose a systemic dismantling, disrupting, transforming, or reframing, of the interfacial applications/thresholds of power and their relations to othering practices. In the process of design, I will reflect the project to the larger discourse of architecture/society and use my positioning to decide in the latter systemic design strategies. Within this reflection, I will additionally include the changing nature of (historic) institutions and institutional power, and the responsibility of positioning the project to the aspects of (changing) time.

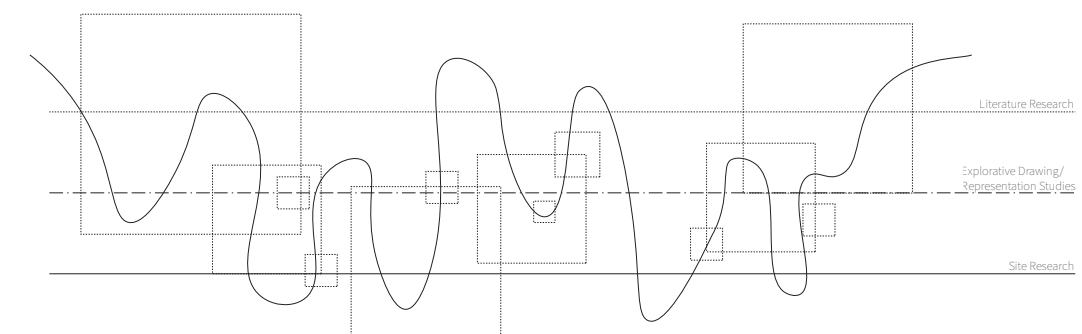


Fig. 1 - Methodology: Use of Methods

02 Literature

The (consulted) literature is divided according to the theories of relationship, on the concepts of power, bodies, architectures, of cities.

02.01. Power

Foucault, M. (1978). *The History of Sexuality*. Pantheon Books.

Foucault, M., & Gordon, C. (1980). *Power/knowledge: selected interviews and other writings*, 1972-1977. Pantheon Books. https://monoskop.org/images/5/5d/Foucault_Michel_Power_Knowledge_Selected_Interviews_and_Other_Writings_1972-1977.pdf

Markus, T. (2013). *Buildings and Power* (1st ed.). Taylor and Francis. <https://www.perlego.com/book/1595954/buildings-and-power-pdf>

02.02. Bodies

Arendt, H. (2019). *The Human Condition*. The University of Chicago Press. <https://www.perlego.com/book/1852315/the-human-condition-pdf>

Bergson, H. (1977). *The Two Sources of Morality and Religion*. University of Notre Dame Press.

Bergson, H. (2012). *The Creative Mind*. Dover Publications.

Foucault, M. (1995). *Discipline and Punish*. Random House, Inc.

Guattari, F., & Deleuze, G. (1994). *What is Philosophy?* Columbia University Press.

Haraway, D. (1985). *A Manifesto For Cyborgs: Science, Technology, And Socialist Feminism In The 1980s*. 65-107.

Latour, B. (2005). *Reassembling the Social An*

Introduction to Actor-Network-Theory.

02.03. Architectures

Berrizbeitia, A., & Pollak, L. (1999). *Inside Outside: Between Architecture and Landscape*. Rockport Pub.

Grosz, E. (2001). *Architecture from the Outside*. Massachusetts Institute of Technology.

Robinson, S. (2020). The Space of Relation. In J. White & S. Chattopadhyay (Eds.), *The Routledge Companion To Critical Approaches To Contemporary Architecture* (1st ed., pp. 91–101). Routledge.

Teyssot, G. (2015). *Hybrid Architecture: An Environment for the Prosthetic Body*. UNIV CALGARY LIBRARY, 11(4), 72–84. <https://doi.org/10.1177/1354856505061055>

Vesely, D. (2002). Body and Building. In R. Tavernor & G. Dodds (Eds.), *The Architectonics of Embodiment* (pp. 28–43). Massachusetts Institute of Technology.

White, J. (2020). Edges. In J. White & S. Chattopadhyay (Eds.), *The Routledge Companion To Critical Approaches To Contemporary Architecture* (1st ed., pp. 102–116). Routledge.

02.04. Cities

Foucault, M. (1986). *Of Other Spaces* (Vol. 16, Issue 1).

Grosz, E. (1996). Bodies-Cities. In *Sexuality and Space* (4th ed., pp. 241–253). Amsterdam University Press.

03 Precedents

For the project I will make use of a variety of precedents, ranging from representational theories/explorations to architectural projects.

03.01. Representational theories

Evans, R. (2000). ‘In Front of Lines That Leave Nothing Behind’ AA Files 6 (May 1984). In M. K. Hays (Ed.), *Architecture Theory since 1968* (1st ed., pp. 480–489). The MIT Press.

Schaal, H. D. (1978). *Wege und Wegräume – Paths and Passages*. <http://hansdieter-schaal.de/wp-content/uploads/2015/05/Wege-und-Wegraeume-Schaal-1978.pdf>

Schaal, H. D. (1984). *Denkgebäude*. Vieweg.

03.02. Architectural Projects

The architectural projects that I intend to consult, may be divided amongst the following sub-categories: In-Between, Thresholds, Disruption.

i. In-Between

Berrizbeitia, A., & Pollak, L. (1999a). Loyola Law School. In *Inside Outside: Between Architecture and Landscape* (pp. 22–27). Rockport Pub.

Berrizbeitia, A., & Pollak, L. (1999c). Querini Stampalia Foundation. In *Inside Outside: Between Architecture and Landscape* (pp. 16–21). Rockport Pub.

Gallery of Milstein Hall at Cornell University / OMA - 22. (2011, November 1). ArchDaily. Retrieved 16 January 2022, from https://www.archdaily.com/179854/milstein-hall-at-cornell-university-oma-2/5016411728ba0d14160000c3-milstein-hall-at-cornell-university-oma-2-photo?next_project=no

ii. Thresholds

Berrizbeitia, A., & Pollak, L. (1999b). Villa Cecilia. In *Inside Outside: Between Architecture and Landscape* (pp. 104–111). Rockport Pub.

Fiederer, L. (2021, October 29). *AD Classics: Dutch Parliament Extension / OMA*. ArchDaily. Retrieved 16 January 2022, from https://www.archdaily.com/786030/ad-classics-dutch-parliament-extension-oma-zaha-hadid-elia-zenghelis-the-netherlands?ad_source=myarchdaily&ad_medium=bookmark-show&ad_content=current-user

Fracalossi, I. (2020, February 3). *AD Classics: Kimbell Art Museum / Louis Kahn*. ArchDaily. Retrieved 16 January 2022, from https://www.archdaily.com/123761/ad-classics-kimbell-art-museum-louis-kahn?ad_source=search&ad_medium=projects_tab

iii. Disruption

Weltgebraus. (n.d.). *180. Superstudio /// Casa Volpini /// Urbino, Italy /// 1975*. OfHouses. Retrieved 16 January 2022, from <https://ofhouses.com/post/119202418235/superstudio-casa-volpini-urbino-italy>

01 Relations Graduation Topic, Studio Topic, Master Track, Master Programme

The topic of my graduation project considers the city as (dis)interrelated and (dis)unified assembly of urban layers, processes and -systems. Similarly, the topic of the ADC Graduation Studio '*Heterogeneous City - London*', considers that the city exists not as a coherent image, but layers, fragments and multiple time-lines (Alkan et al., 2021). Both reflect on the city as a complex model of relations, with diverse conditions, characteristics, and outcomes. The complexity that all contemporary cities have, makes the causal relations of cities, that result in the practices of othering, difficult to specify. What my graduation project aims to achieve, is to respond to the heterogenous conditions of cities, by understanding the complexity of the spatial explorations of divergent conditions and their resulted in-betweens, to consequently, create knowledge on potential spatial influences on social constructs of othering.

In addition to the studio topic, the project also follows the methodology of the studio. The studio, with its methodology, reflects itself and its positioning to the master track and master programme, by emphasizing the importance for focus on the interdisciplinary frame of multi-modal design research, in both research and design in architecture.

From the research framework of the studio, the project may be considered as to be in-between urbanism and architecture, by researching the city on the scale of the city, but through the scale of architecture, and to establish an architecture that accurately responds to larger problems on the scale of the city, by establishing relations on the scale of architecture.

More widely, the project may be considered as in-between architecture and philosophy. Where philosophy is often considered as to be outside of the discipline of architecture, therefore only able to establish a view. Vice versally, architecture is outside philosophy, and only able to transfer views. What I am trying to achieve in my graduation project, is to find the in-between of architecture and philosophy. Where philosophically,

architecture is able to establish views, and architecturally, philosophy is able to transfer views.

02 Relevance Graduation Work in the Larger Social, Professional and Scientific Framework

First of all, besides the relation of my graduation topic to the studio topic, of similar views on cities as heterogeneous, the graduation topic also responds to the heterogeneity of (the architectures) of cities, by researching their institutional heterotopias. The increasingly divergent character of heterogeneous cities may lead to and/or result from a rather increased individualistic society. Within this framework of the Heterogeneous City, my graduation topic therefore responds to the studio topic itself, but also positions itself towards the larger architectural discourse, by problematizing the power of institutions and their future role, within an increasingly more individualistic society.

Moreover, the (contemporary) individualistic society is also becoming more divergently opposed to each other. The historic role institutions used to have, is being criticized more and more. With the changes in society and the evolutionary role of technology, the question may be raised, what the future role of institutions will? How can we consider their current role? What is still institutional, and what will become? Finally, therefore the graduation work will reflect on what the role of historic institutions should be.

Additionally, with the changing role of institutions, and the influence of historical institutions on othering practices in society, it is important to understand how former relations of power are influential in contemporary society and how these might impact or be impactful in the future society. "Unless we put into question architectural and cultural identities – the identities of men and women, of different races and classes, and of different religious, sexual, and political affiliations, as well as the identities of cities, urban regions, buildings, and houses – this openness to the future, the promise of time unfolding through innovation rather than

prediction, is muted rather than welcomed" (Grosz, 2001, p.92).

Therefore, the importance of my graduation work, in relation to the discipline of both architecture and philosophy, is the continuation of work by many philosophers (a.o. Foucault, Bergson, Grosz), that attempted to conceptualize the relations of othering to architecture and urban planning. While they established many philosophical approaches to the problem, they have never been able to take a step further into making them applicable to the discipline of architecture (or urban planning).

Finally, as personal reflection, is the relevance of my graduation work in my professional work, and the importance of self-awareness as practitioner of architecture. I believe it is important to understand the complexity of cities, and to require knowledge on the relations of architectures to this complexity, and the potential cause-effect of design on these relations. Hence, I think it is important to remain critical to yourself, your work, and the views you may have on architecture and cities, if you want to have a chance to create architectures of meaning in a city that is becoming increasingly more complex and entwined, and actions/architectures consequential.

**(DE)CONSTRUCTING POWER IN THE INSTITUTIONAL INTERSPACE
CONTROLLING IN-BETWEEN RELATIONS OF POWER, BODIES, ARCHITECTURES AND CITIES**

Keywords: bodies, heterogeneous city, heterotopia, in-between, interface, interspace, institutions, model of relations, othering practices, power.

I PREFACE

Starting from a personal motive, this essay addresses a broader range of complications relating to practices of othering. Relatable in some way to almost everyone in society, whether as causer or effector. An influential matter to me as potential future architect, though this even reaches beyond the spatial profession. It is relevant to me as being, as citizen, as worker or employer, as link in a society, as part of the institute, as the self and the other, as fragment of all there is or could one day be.

Relating to earlier clames by o.a. Michel Foucault, Donna Haraway or Elisabeth Grosz, this essay responds and goes beyond earlier theories in an aim to address and make applicable earlier philosophical theories to test their potentials. An age-old problem, that in an increasing heterogeneity is turning into a rather complexity. An abiding urgency, which may be even more urgent now than before to address.

*"Unless we put into question architectural and cultural identities – the identities of men and women, of different races and classes, and of different religious, sexual, and political affiliations, as well as the identities of cities, urban regions, buildings, and houses – this openness to the future, the promise of time unfolding through innovation rather than prediction, is muted rather than welcomed."*¹

¹ Elisabeth Grosz, *Architecture from the Outside*, 1st ed. (Massachusetts: Massachusetts Institute of Technology, 2001), 92.

II	CONTENT
I	Preface
II	Content
III	Abstract
IV	Introduction
V	Part A
01	Relations of Bodies and Cities
02	Construct of Power, Controlling of Bodies
VI	Part B
03	Relations of Power
04	Conditioning the In-Between
05	(De)constructing Relations of the In-Between

III ABSTRACT

This essay researches the entanglement of relations of bodies and cities, in the heterogeneous contemporary city, in which the othering of bodies has become an increasingly (problematic) complexity, and its relations with (historic) notions of power. Herein, the following research question is investigated: *How can we create an architecture of affect, within the in-between relations of bodies and cities, that could establish renewed ideologies amongst bodies which may go beyond the practices of othering?*

With this, the research reacts and continues the work of earlier philosophers that have expressed on this entanglement, and probes how to go beyond theory to find applicability of these theories to spatial research and design.

Theories by Michel Foucault are put in relation to theories by Elisabeth Grosz and Donna Haraway. Herewith, the heterogeneity of cities and the in-between relations of power, bodies, architectures, and cities were researched in its potentials and applicability. Subsequently, following a positioning towards othering practices, with the use of the Greater City of London as case study.

The relations of bodies and cities are considered from the in-between of their relations. Specifically, determined by the model of relations which specify their conditions. Ultimately, what results, is a continuously changing accumulation of reciprocate processes that shape cities heterogeneity. Conducted through relations of power, as institutionalism, hierarchical bodies-cities relations provide systemics of othering within different layers and scales.

Following the potential of heterogeneity, the essay proposes an intensification of the cities' heterogeneous conditions as diffusion of in-between relations. Consequently, the conditioning, strategization, and operationalization of the in-between was investigated, to determine how a remoderation of the in-between through architectural intervention could be affective.

The essay proposes architectures of fragmentation that reuses the divergence of (existing) in-between relations, to complexify the concatenation of processes. Additionally, the use of constrasting experiences and sensations, have the potential to establish affective (architectural) relations with bodies. Ultimately, this would condition confrontations of bodies and control their conceptions and performances, which might have the potential to establish a beyond of othering, both through, as within, the spatial disciplines.

Keywords: bodies, heterogeneous city, heterotopia, in-between, interface, interspace, institutions, model of relations, othering practices, power.

IV INTRODUCTION

Changing in space and time, the relations of bodies and cities are in continuous evolution. Where historically the development and construction of cities parallelized the institutions and hierarchization of society, these relations are now outdated and complexified. While the heterogeneity of cities intensified, the ideologies of bodies became explicitly more divergent. Where the interrelations of bodies and cities increasingly got more intertwined, the differences of bodies became more elusive, and explicit. Problematically, obsolete ideologies are embedded in the relations of bodies and cities and are resulting in condemned dichotomies and the othering of bodies. The historic issue of othering bodies, which is not only still apparent in contemporary cities, but due to the unceasing evolution of bodies and cities, has become rather convoluted.

This essay reasons dichotomies in society as a result of spatially embedded obsolete ideologies (Fig. 1). Deriving from the inextricably reciprocal relation of bodies and cities, it aims to respond to the heterogeneous characteristics of contemporary cities and the potential embeddedness of structures of power. An intervention strategy is researched in its potential to counteract, overturn, and transcend the creation of obsolete ideologies of othering amongst bodies, making use of these existing relations. Posing the following research question that is investigated in this essay:

How can we create an architecture of affect that establishes alternative relations between power and bodies in contemporary heterogeneous cities which could establish renewed ideologies that go beyond the othering of bodies?

The essay is divided into two parts, the first including the theoretic framework and positioning, and second with an applicability- and operability study and review. The theoretic framework and positioning (Part A) make use of an interdisciplinary framework which cuts across philosophy, politics, architecture, and urban planning, to approach the complexity of actor relations, and by interrelating them, testing the theories

and making them applicable to the spatial discipline. The theoretic application and manifestation (Part B) explore the application and operationalization of the theoretic positioning.

The theoretic framework consists of two separate theoretic approaches, that are later combined to establish a positioning. The first addresses the bodies-cities relation, as first introduced by philosophers Elisabeth Grosz (1996, 2001). With additionally, the Manifesto for Cyborgs by philosopher and scientist Donna Haraway (1985), which is used to conceptually position this research towards othering practices, through its explorative use of alternative relations between bodies and cities. Second, the construct of power and the controlling of bodies towards othering practices is explored, using theories, as discussed by philosopher Michel Foucault (1927-1977, 1978, 1995), to position this research towards the relation of power structures and relations, institutions, and the heterogeneity of cities, in the potential influences of power on the relations of bodies and cities.

To test and research its applicability, the research makes use of the Greater City of London as case study location. The relations of power, bodies, architectures and cities will be researched by analyzing the (institutional) relations of power in/through architectures, on bodies, within the city, making use of a multiscale approach (Fig. 1). The research uses a constant reciprocity of (elementary) research of conditions and characteristics (mapping, analysis, inventorizing, cataloging), and phenomenological research of what it translates into (proposed result/effect), to understand what can be considered as causal within the relations.

Through this, a site of interest for potential intervention is specified which will be used as site of investigation for the further testing of ideas. Ultimately, this will lead to a more approximate research and application of theory, wherein the latter is aimed to be conditioned for further strategizing and

IV INTRODUCTION

operationalizing. From this, an intervention strategy and operability is defined, which applies the theories as specified to the location of London, that establishes a (re) construction of the relations through an architecture of affect.

Ultimately, the research aims to establish a spatial consciousness of philosophical views. By making the philosophical theories applicable, the research aims to find an operability that deals with the complexity of heterogeneity in contemporary cities, the intertwinedness of power relations, and its utterances in the practices of othering bodies. With doing so, it aims to provide a potentially new objective for an age-old problem that has become increasingly complexified.

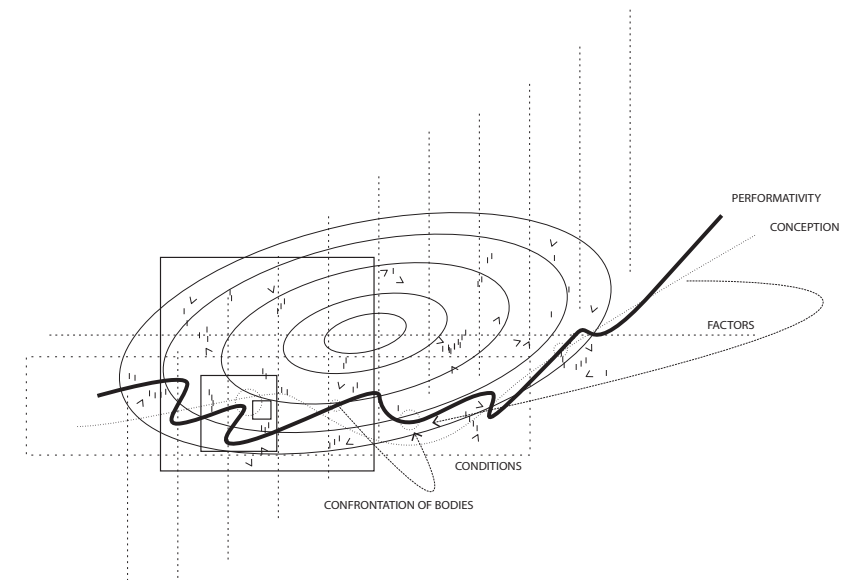


Fig. 1 - Relational diagram of power, bodies, architectures and cities

Relational diagram showing the relatedness of conditions on interrelating scales to the confrontations of bodies, and the consequential performances and conceptions that could lead to (obsolete) social constructs (of othering).

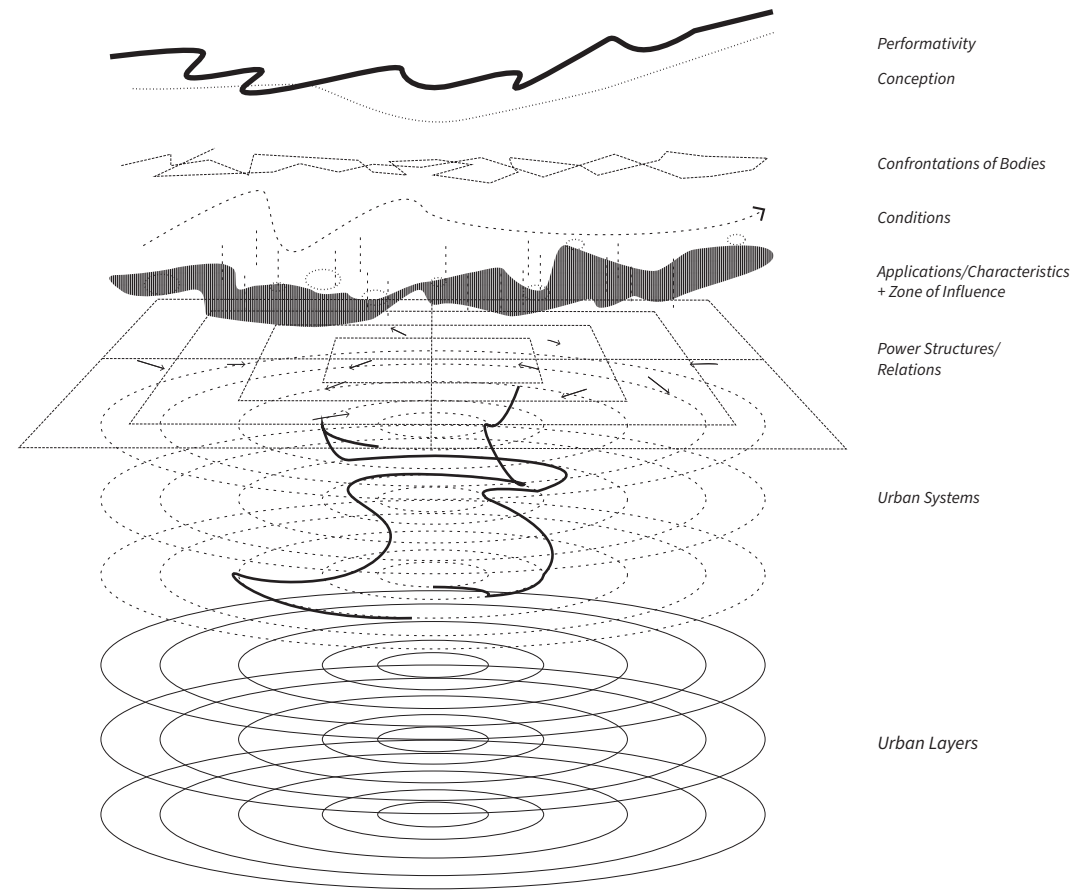


Fig. 2 - Model of relations
Relational diagram explaining the reciprocate process of relations between bodies and cities.

The first chapter researches and gives definition to the relations of bodies and cities, and the potential of their (inter)relatedness.

01 Defining bodies and cities

To start to explore the relations of bodies and cities, first, it should be specified how the notions of the body and the city can be defined. The definition of bodies and cities resembles the work of philosopher, and feminist theorist, Elisabeth Grosz. The body, in this research, is understood as the means through which a human being exists. The articulation of flesh, blood, organs, bones, nerves, and muscles, which enables an object to become a being.² A being that is able to act and think, which can be measured through performance and conception. How a body acts, or behaves, is influenced by discipline and training of the mind, “including the coordination and integration of its bodily functions so that not only can it undertake the general social tasks required of it, but so that it becomes an integral part of or position within a social network, linked to other bodies and objects”.³ In the body/mind relation, the body is the physical configuration able to confront with the physicalities of environments, that what is consequently measured, directed, and conceived through the mind. The mind, in relation to the body, establishes the state of living, as opposed to the state of being.

Following, the city, as conceived following Grosz’ definition, as the complex network of relations, that brings together many processes and relations in an unintegrated and de facto way, with a number of imaginary and real, projected or actual architectural, geographic, civic, and public relations.⁴ “The city brings together economic and informational flows, power networks, forms of displacement, management, and political organization, interpersonal, familial, and extra-familial social relations, and an aesthetic/economic organization of space and place to create a semipermanent but ever-changing built environment or milieu.”⁵

02 Model of relations

According to Grosz, there are two different models for analysing the relations of the body and the city, the causal and representational model.⁶ Foremost, in the causal model, is the relation in which the city becomes a reflection, projection and/or the product of bodies. Not only through the construction by bodies, but also based on the conceptual and reflective possibilities of the consciousness of the body.⁷ Cities are constructed based on the naturalistic terms of the body, its needs, and designs. This form of humanism, where “the human subject is conceived as a sovereign and self-given agent which, individually, or collectively, is responsible for all social and historical production”.⁸ Hence, this relation may be identified as one-way or dialectic. Within the second representational model, the city and the body relate through a parallelism (or isomorphism), in which there is a parallel between the body and the social order, which often is identified with the state.⁹ In this model the characteristics of the one, is reflected in the other. This notion in which the state parallels the body, is where we can identify the notion of body-politics. It dictates “a fundamental opposition between nature and culture, in which nature dictates the ideal forms of culture”.¹⁰

Although some characteristics of the latter models are probable, the bodies and cities relation is not solely causal and/or representational. Though these are beliefs carried out by many, which ultimately changed the perception and creation of cities.

Both models (causal and representational) have a homologous, one-way approximation of the relation between bodies and cities. Where the first (causal) model approaches the city as result from the body, the second (representational) model approaches the city as reflection of the body.

In this research, however, the relation of bodies and cities is approached in a rather heterogenous, reciprocate way, emphasizing their interrelatedness and influentality. Instead of approaching the relation based on the division of distinctive entities, the relation should be considered as the result

2 Elisabeth Grosz, “Bodies-Cities”, in *Sexuality & Space*, 1st ed. (New Jersey: Princeton Architectural Press, 1996), 243.
3 Grosz, *Bodies-Cities*, 244.
4 Grosz, *Bodies-Cities*, 244.
5 Grosz, *Bodies-Cities*, 244.
6 Grosz, *Bodies-Cities*, 245.
7 Grosz, *Bodies-Cities*, 245.
8 Grosz, *Bodies-Cities*, 245.
9 Grosz, *Bodies-Cities*, 246.
10 Grosz, *Bodies-Cities*, 247.

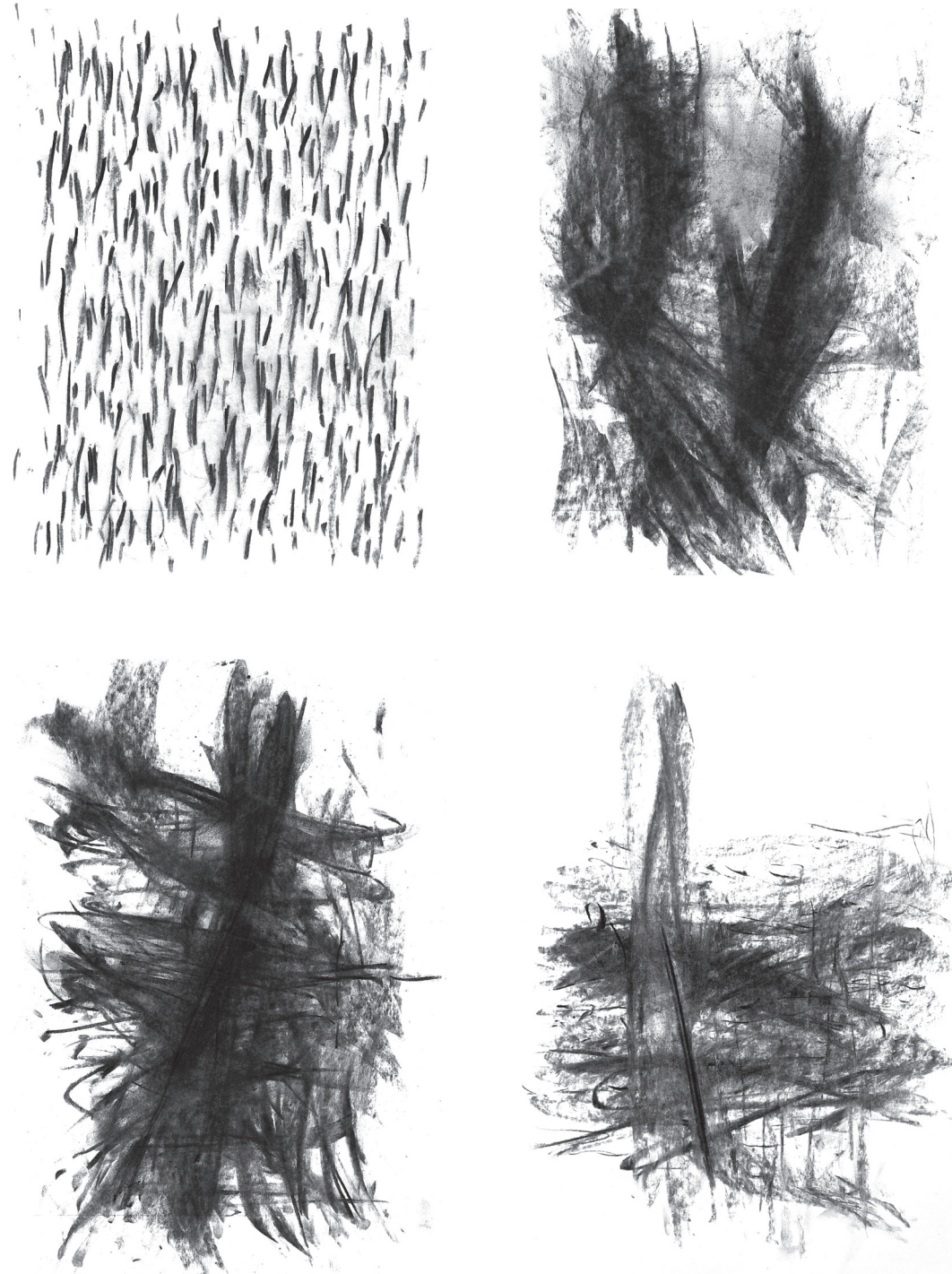


Fig. 3 - Parts, assemblies, relations, in-between

From left to right; in the relations of bodies and cities, all may be reduced into parts. Parts which, due to the specificity of forces, are able to form assemblies. These assemblies are formed by, and are able to establish (new) relations. Influence on the process of established relations, should perform within all that is between. Between parts that assemble and constitute relations.

of accumulations of processes and systems between bodies and cities.

This approach resembles what Grosz defines as the model of relations. It approaches the relation as “assemblage/collection of parts that are able to cross the thresholds between substances, to form linkages, machines, provisional and often temporary sub- or microgroupings”.¹¹

The model of relations that results, consists of the (dis)interrelatedness and (dis-)unification of urban layers and -systems (Fig. 2). The urban layers and -systems, form submitting influential relations, resulting in the particularity of the variations of conditions. With this, the body is formed in its conceptions and performances, and in turn, forms new linkages and constitutes new relations. Through this, the model of relations that result, is all that is considered to be and will become, between bodies and cities.

03 Interrelation

To understand, more specifically, the relation of bodies and cities, as model of relations, and all that is between, their (inter)relatedness should be further explored.

First, with the questioning of the opposition of bodies and cities, which derives from the dichotomies of living/being, body/mind, image/real, nature/culture, organism/machine, physical/non-physical.

However, if you would reduce both bodies and cities back to their elementary origin of parts, we could reconsider their distinctiveness as being resulted from the divergence of their assemblies, as controlled through and by the establishing of (inter)relations (Fig. 3). These accumulations of processes and relations, together form what is considered to be the opposing in the relations of bodies and cities. However, this opposition considers both to end at their skin, but what does it mean to be inside or outside the body, or inside or outside of the city or a building? What if this opposition is only an apparent illusion?

Grosz, in *Bodies-Cities*, problematized this opposition of the inside and outside of bodies and cities. The inside and outside, considered within the model of relations of bodies

and cities, include the introjections and projections of the body and its environment, resulting in a complex feedback relation.¹² Grosz continues to describe this relation, as a producing of each other as “forms of the hyperreal, as modes of simulation which have overtaken and transformed whatever reality each may have had into the image of the other”.¹³

In *Architecture from the Outside*, Grosz further examines this relation of inside and outside. Grosz concludes, that being on the outside, means to have the possibility of a perspective on the inside, but being on the outside, also means the lacking of what can be seen from the inside.¹⁴ Then again, what can be considered the inside and outside of the body? In *Bodies-Cities*, Grosz responds to this question, referring to the issue as through the means of the question, what can be considered to be the distinction between biology and culture.¹⁵

04 Hybrid

In *A Manifesto for Cyborgs*, Donna Haraway abandons the oppositions, by questioning the dichotomy of body and environment, and consequently the organism and the machine. Haraway’s abandoning of the opposition results in the potencies of a hybrid, and consequently the creation of the cyborg as hybrid between machine and organism, social reality and creature of fiction.¹⁶ Haraway’s introducing of the hybrid/cyborg, is a search for an intermediate between the two opposites, to establish alternative relations. “Why should our bodies end at the skin, or include at best other beings encapsulated by skin?”¹⁷

Though Haraway might have established a nullification of the dichotomy between organism and machine, what is pursued is an intermediate which is able to have divergent relations with the opposed. Haraway claimed to nullify the dichotomy of body and environment. However, in the continuation of her research, Haraway proceeded to substitute a solution that would establish an intermediary between body and environment, instead of an in-between that

11 Grosz, *Bodies-Cities*, 248.
12 Grosz, *Bodies-Cities*, 242.
13 Grosz, *Bodies-Cities*, 242.
14 Elisabeth Grosz, *Architecture from the Outside*, 1st ed. (Massachusetts: Massachusetts Institute of Technology, 2001), xv.
15 Grosz, *Bodies-Cities*, 242.
16 Donna Haraway, “A Manifesto For Cyborgs: Science, Technology, And Socialist Feminism In The 1980s”, *Socialist Review*, no. 80 (1985): 65, https://monoskop.org/images/4/4c/Haraway_Donna_1985_A_Manifesto_for_Cyborgs_Science_Technology_and_Socialist_Feminism_in_the_1980s.pdf
17 Haraway, *Cyborg Manifesto*, 97.

nullifies the dichotomies of all insides and outsides.
What I am trying to achieve, is the establishment of an operability that does not require an intermediate, but has the potential of establishing and influencing transgressive in-between relations.

04 In-Between

If there is no distinct inside and outside of the body and city, then what is between and how can we better understand the notion and characteristics of the in-between?

As defined by Grosz; "The space of the in-between is that which is not a space, a space without boundaries of its own, which takes on and receives itself, its form, from the outside, which is not its outside (this would imply that it has form) but whose form is the outside of the identity, not just of an other (for that would reduce the in-between to the role of object, not of space) but of others, whose relations of positivity define, by default, the space that is constituted as in-between".¹⁸
Following this definition, the relations of power, bodies, and the architectures of

cities, was further investigated and explored. In Fig. 5, the concept of the in-between, with its establishment or construction, and its performativity, was defined to be both layered and tensional.

In Fig. 6, the considerations of inside and outside relations in architectures were explored in order to investigate a potential approximation of the in-between. The entangled relation of inside and outside conditions establishes the notion of the *in-between*, as the tension field accumulated from spatial configurations, influenced by processes and systems deriving from the greater model of relations between bodies and cities.

Deriving from the model of relations, the in-between results of different layers, systems, power structures and -relations that together form the model of relations. The layering of relations, that may be considered to be the in-between, is highly variable in its nature, and therefore easily influenceable.

To identify the conditions and qualities of this in-between, the research should touch upon its changeability, considering the in-between in its relations to both space and time.

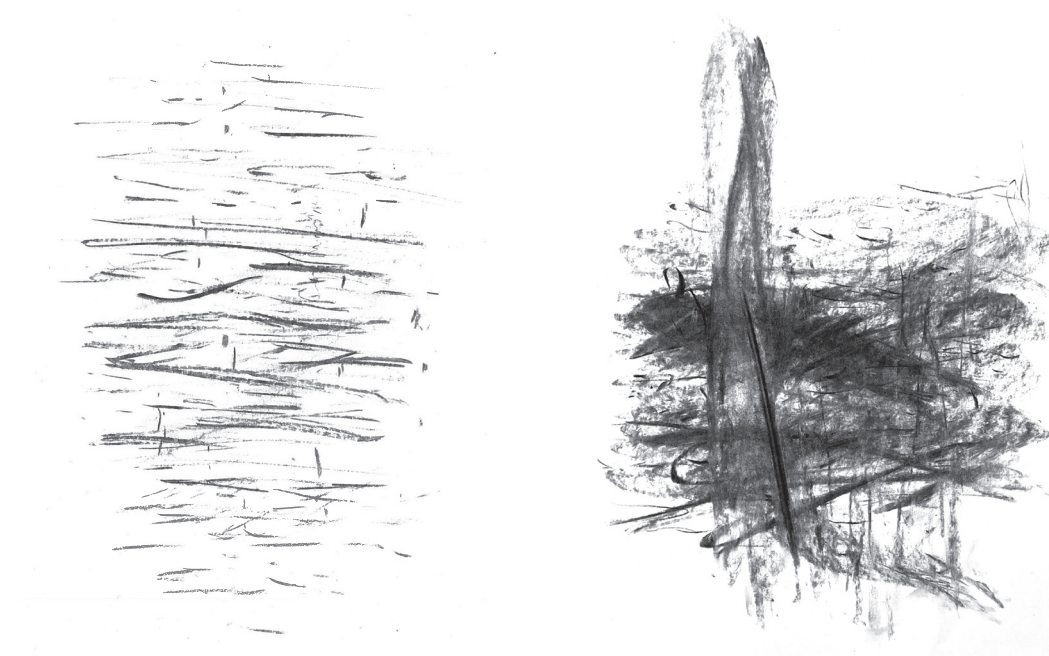


Fig. 5 - Explorations of the In-Between: Layering versus Tensions

Approximation of the in-between as either the layering of processes, or the tensioning that constitute this.

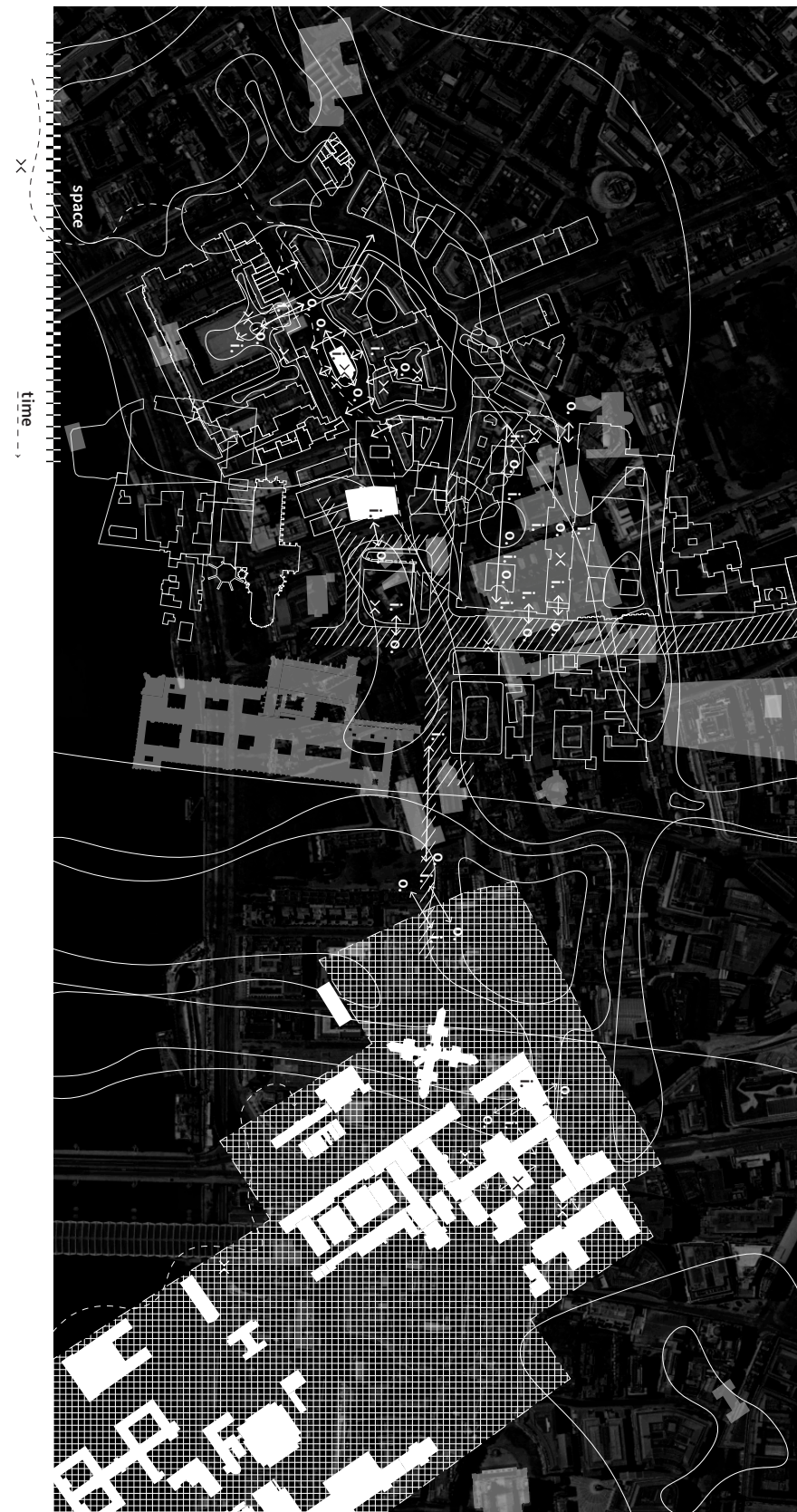


Fig. 6 - Exploration of In-Between Relations of Bodies, Architectures and Cities

Conditioning of in-betweens, through potential inside/outside relations (of buildings, zones, areas, districts, cities).

Scale 1: 3333



¹⁸ Grosz, Architecture Outside, 91.

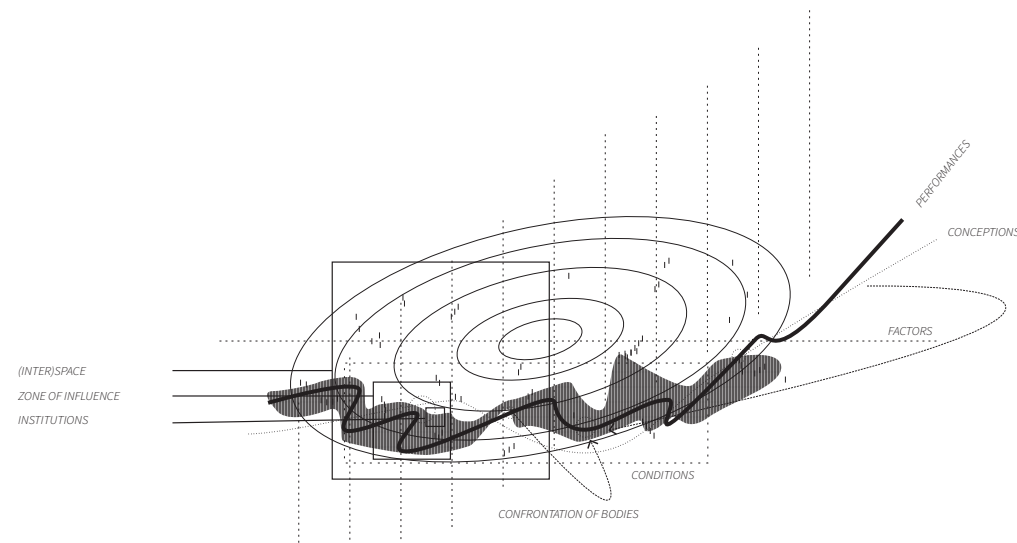


Fig. 7 - Relational Diagram of Institutions (Power), Bodies, and Cities: The Institutional Interspace

Inextricably linked processes of relations, which through their in-between, (are) condition(ed) bodies' conceptions and performances.

In this chapter the origin and changing nature of notions of power are discussed, to analyse what can be defined as potential (obsolete) controlling relations of power within the relations of bodies and cities.

01 Power over Life, Power in Cities

Historically, the characteristics of sovereign power was the right to decide life and death. Starting with the right to dispose the life of the children by the father of the Roman family, this led to the right for solely the empowered in matters of threat.¹⁹ In these cases, the power over life and death, was considered to be the defense of the sovereign/state. Ultimately, this included "the right to take life or let live".²⁰

Following the transformation of the mechanisms of power in the West in the classical age, the power of life and death transformed into a power over life. The increasing desire of power required a support of society, of generating forces, and thus the reinforcing, controlling, monitoring and optimizing of society. Following this shift, power became the means for the sovereign to ensure, maintain and develop the life of the social body.²¹

However, although the power shifted towards the controlling of lives, the power of death still continued to exist. As the society started to get defined, the orders and laws of loyalness got increasingly more specified.

Opposingly, the power over life still included a power of death, with the potential

consequentiality of death penalties. Though, throughout the years of power as the administrator of life, the ideologies regarding the power of death became obsolete. Therefore, the power to take life or let live, became the power to foster life or disallow it to the point of death.²²

What followed was the development of an ideology that aimed for a mechanization of the body; "its disciplining, the optimization of its capabilities, the extortion of its forces, the parallel increase of its usefulness and its docility, its integration into systems of efficient and economic controls".²³

As the managing of life of the social body became increasingly complexified, the development of facilities (training, knowledge, crafting, etc.), simultaneously with the rise and development of cities, eventually led to the hierarchization of processes. As Foucault considered, the great instruments of the state, the institutions, as the "technique of power present at every level of the social body".²⁴ Herein, the institutions acted as "factors of segregation and social hierarchization, exerting their influence on the respective forces of both these movements, guaranteeing relations of domination and effects of hegemony."²⁵

Ultimately, the power over life enabled the power of performativity of bodies, simultaneously established through, and within the developing cities (Fig. 8).



Fig. 8 - Model of Relations: Networking of the Body versus the City

Processes of bodies and cities as inseparabilities from the institutional model of relations.

19 Michel Foucault, *The History of Sexuality*. (New York: Pantheon Books, 1978), 135.
20 Foucault, *History of Sexuality*, 136.
21 Foucault, *History of Sexuality*, 136.
22 Foucault, *History of Sexuality*, 138.
23 Foucault, *History of Sexuality*, 139.
24 Foucault, *History of Sexuality*, 141.
25 Foucault, *History of Sexuality*, 141.

02 Relations of Othering

Though there is a need for systematization, the hierarchization and prominencing of bodies also include consequences. The relation of bodies and cities as historically accomplished by (sovereign) power, constitutes an attaining of processes which derives on segregation and hierarchization of the social body. What results, is a bodies and cities relation which ultimate was created as device of othering.

Within practices of othering, the self and the common, are considered to be exceeding of the other (Fig. 9). "The self is the One who is not dominated, who knows that by the service of the other; the other is the one who holds the future, who knows that by the experience of domination, which gives the lie to the autonomy of the self. To be One is to be autonomous, to be powerful, to be God; but to be One is to be an illusion, and so to be involved in a dialectic of apocalypse with the other. Yet to be other is to be multiple, without clear boundary, frayed, insubstantial. One is too few, but two are too many".²⁶ In constructions and manifestations of power, the self is often considered to be superior to the other. Historically, power was similarly divided amongst people with shared (ideological) commons. Herewith, the segregation and hierarchization as used to institutionalize the social body, was constructed on (unilateral) ideologies.

In view of both Haraway' and Grosz' approach, considering in-betweens, in the practices of othering, the other and common should not

be considered as absolute entities. Rather, they should be considered as equal, and highly transgressive (Fig. 10).

The intertwining of (power) systems of othering, both within bodies and cities, ensures that the outdated ideologies of othering are manifested in their in-between. The subsequent development of both bodies and cities became the consequential reaction. The complex model of relations, and its in-between, include a heterogeneity that still establishes varying conditions of inequality, endless striving (of the other), a certain degree of power that still sustains and creates oppression and distinction of bodies.

03 Power and Heterogeneity

Maintained by the institutional power and its manifestations, the transgressions of the relations remain equivalent. Or as Foucault states, "we have still not reached the point of a practical desanctification of space".²⁷ Governed by the oppositions that are still inviolable in our cities, causally by the institutions and practices that maintain them.²⁸

Similarly to Grosz and the model of relations, Foucault refers to a set of relations that determine space as heterogeneous, which delineates sites that are irreducible to the other and not super imposable on one another. This othering of/in space, is where Foucault refers to these 'other spaces' as heterotopias.²⁹

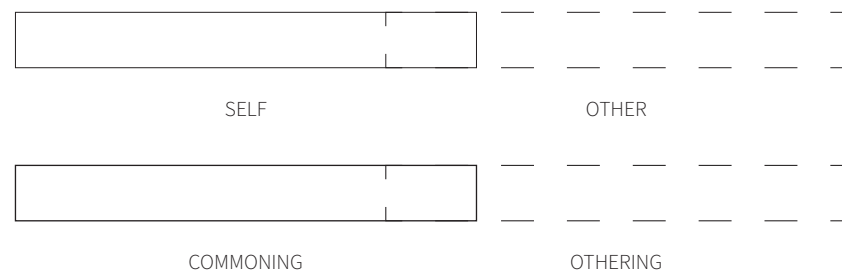


Fig. 9 - Schematic Approximation of Othering Practices

Practices of the othering of the self as opposed to the other, of what is considered to be common as opposed to the other. Reflective in the othering of the (normative) body, gender, race, age, sexuality, religion, political affiliation, etc.

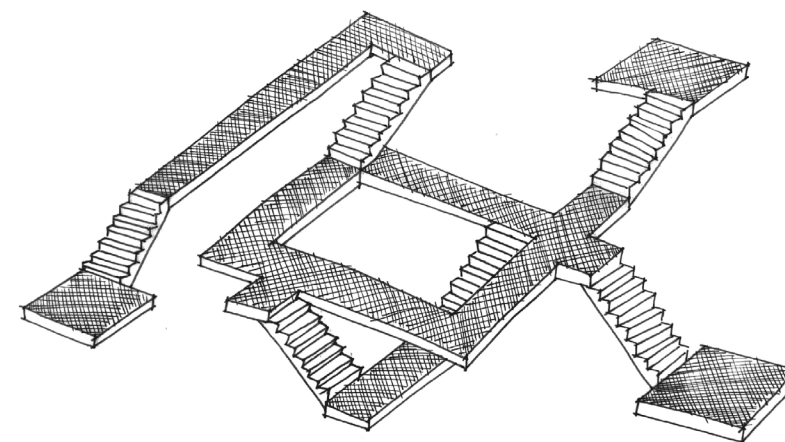
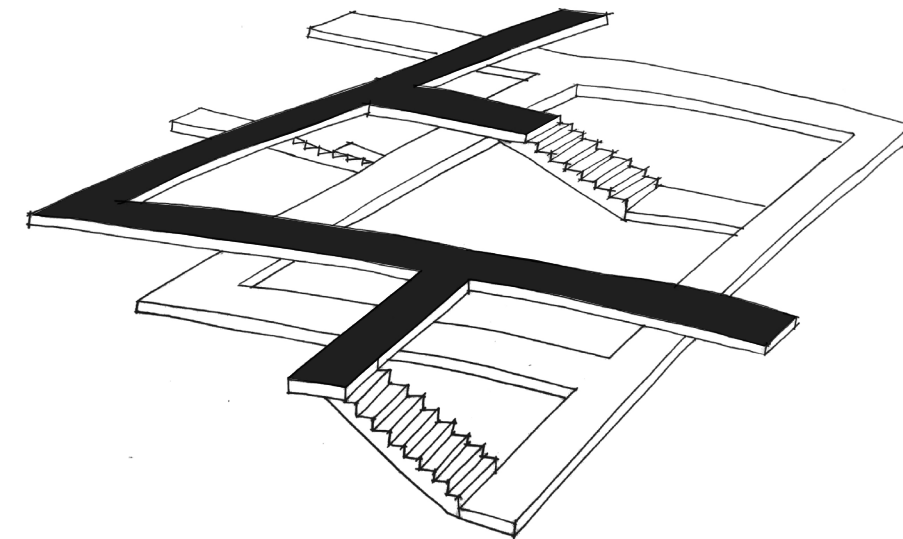


Fig. 10 - Path of Othering, Path of Diffusion

Positioning of (the) self in relations with (the) other (Path of Othering). The potential of beyond, of a positioning through diffusion, of what is considered self and other (Path of Diffusion).

²⁶ Haraway, Cyborg Manifesto, 90.

Reasoned from the maintaining of processes governed by the institutions, my position resembles Foucault'. However, Foucault objectifies the neglecting of the opposition, by expressing space through the opposition. Where Foucault considers the heterogeneity as negative, I want to raise the potential of heterogeneity. Reasoning not from the opposition, but from the in-between, in order to reconsider and re-establish the relations between. Referring back to the quote from Haraway, "One is too few, two are too many".³⁰ The only way to neglect the othering and the opposition, is by diffusing the in-between. The manifestations of power must be complexified, in order to establish a system not depending on other and common. The intensification of heterogeneity in cities ensures that a certain degree of hierarchy of bodies remains intact. However, it also leaves room for more than one ultimate prescribed way of living and being.

04 Institutional Interspace

Therefore, more specifically, what should further be investigated, is the consideration of the relations of (institutional) power within the relations of bodies and cities. By investigating it from their in-between, going beyond to what Foucault describes as the "other spaces". This is where I will introduce the notion of the institutional interspace. Which may be defined as both literally, the space between, as the phenomenology of the in-between of relations of power, bodies and cities.

Within institutional interspaces, processes include a strategy of domination and hegemony, with an institutionalization of society that established a hierarchization of bodies, which ensures bodies' performativity and conception as idealized by the sovereign image of the social body. A systemic of (historic) networked relations (Fig. 8), that is embedded within the in-between as considered, in Fig. 5.

Ultimately, resulting in a power of performativity and conception (Fig. 11), by use of systemics of othering, as manifested within the institutional interspace (Fig. 7).

27 Michel Foucault and Jay Miskowiec, "Of Other Spaces", *Diacritics* 16, no. 1 (1986): 25, doi:10.2307/464648.
28 Foucault, Of Other Spaces, 25.
29 Foucault, Of Other Spaces, 24.
30 Haraway, Cyborg Manifesto, 90.

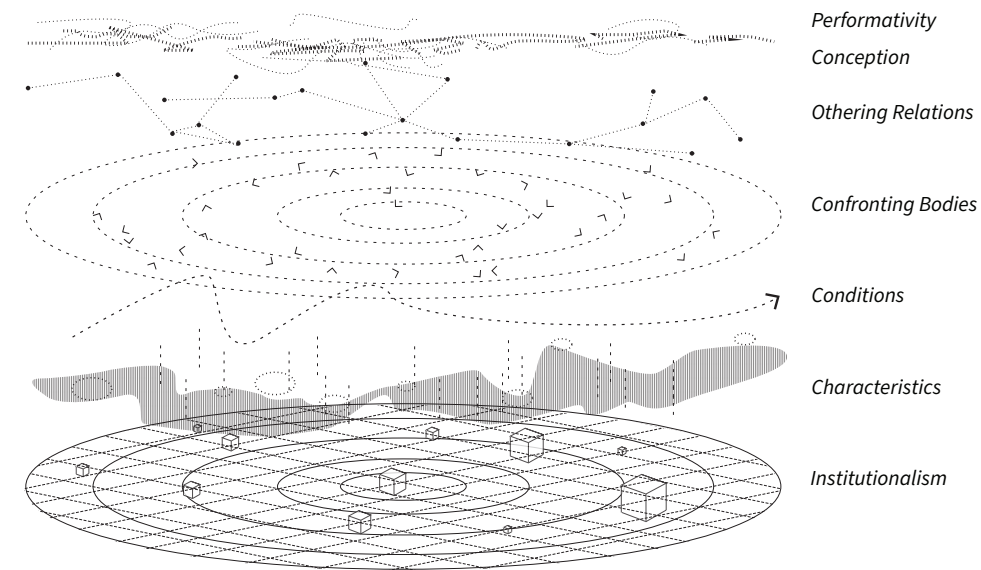


Fig. 11 - Relations of Othering

Relational diagram of (institutional) power and bodies' conceptions and performances as resulted from othering relations.

In this chapter the embodiment of power and control within the city will be investigated to create an understanding of the relations of power potentially control bodies' conceptions and performativity. Ultimately, this will lead to sites of investigation which will be used to further investigate the latter and define potential sites for intervention. These sites will form the test ground, in which the relations will be (de)constructed.

01 Scales of Embodidness

As defined in Part A, the relations of power, bodies, architectures, and cities, should be analyzed from the model of relations and consequently within the institutional

interspace.

On a larger scale, the model of relations implies the potential embodiment through the (dis)interrelation and (dis)unification of urban layers and -systems. Where on smaller scale, this results in the conditioning of what may be considered as the institutional interspace. (In)directly, resulting in the conditioning of (consequential) in-between relations.

The conditions of the institutional interspace are explored in the sequence of representations as illustrated in Fig. 12, 13, and 14.

Herein, the conditions of the institutional interspace are caused by positions towards, and simultaneously within the hierarchical

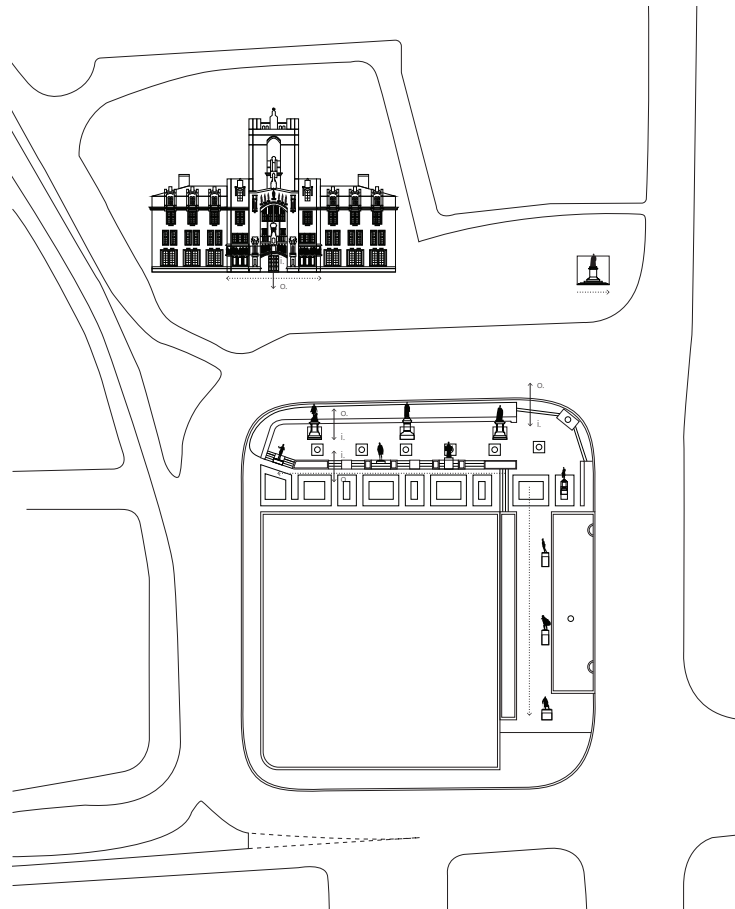


Fig. 12 - Representational exploration of the Institution of Power (Supreme Court) and relations in the institutional interspace

The inside conditions of the institution are reflected through inside/outside relations. The reflectivity of the inside conditions, through the outside condition of the facade, and additionally the square. Where again, an inside condition is established through the spatial representation and reflection of institutional' ideologies.

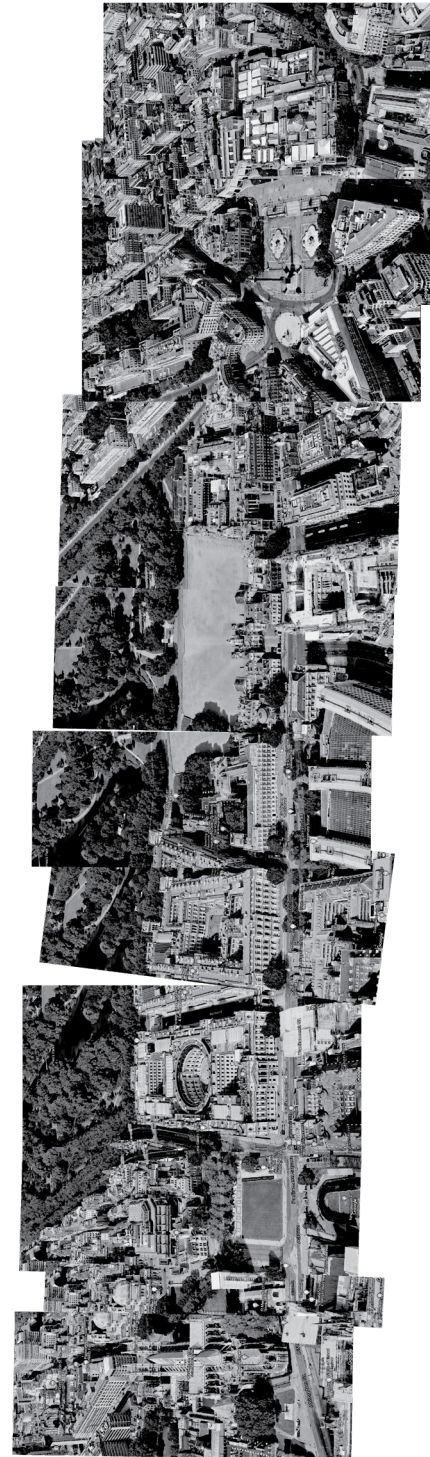
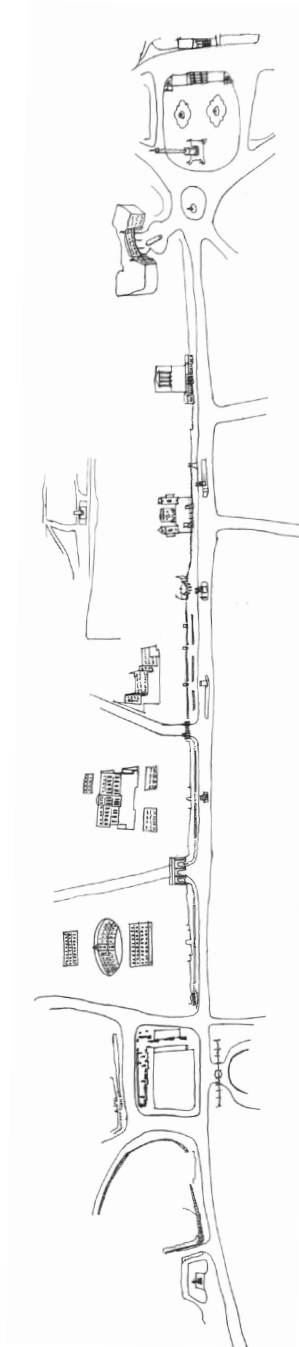


Fig. 13 - Representational exploration of the Institutions of Power and its relations with, and the conditions of the institutional interspace

The inside/outside relations of the institutional architectures are used to establish relations of power on different scales. First, on the scale of the architecture (arcades, gateways, courtyards), then the street (order of magnitude, statues), the square (positioning, materialities, formalities, statues), ultimately, of the block (confinements, demarcations, transspaces).



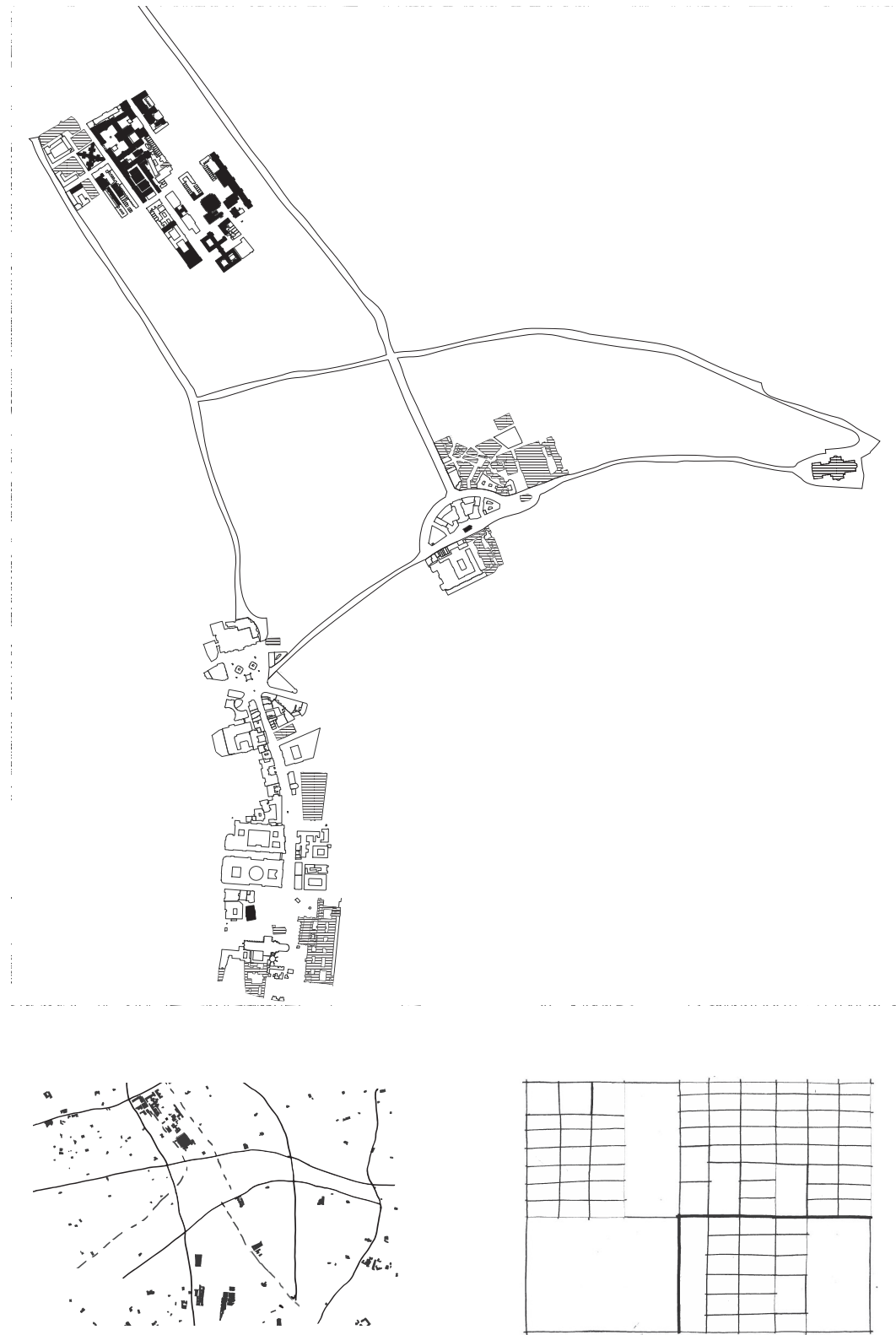


Fig. 14 - Relational analysis of conditions in the institutional interspace
Representations of the hierarchization of institutions, the relations between institutions, and the consequential structuring of the city. Through scales, a main structuring of institutions specify the structure of the city, ultimately defining conditions of spaces and their relations with (or opposed to) the institutions.

Scale 1:12500

systematization of the institutions. In turn, the conditions are also established through the reciprocal causal relations of the model of relations that additionally determine conditions. Moreover, within this relational analysis, it also becomes evident how the representative, interfacial characteristics of the institutions are reflected, and causally activated on different scales. Ultimately, what results are the (institutional inter)spaces, as conditioned through the particularity of relations as resulting from the conditions and characteristics of interrelating scales (Fig. 15). The divergence of spaces and their characteristics and conditions, through bodily' confrontations, determine the specificity of the process of conceptions and performances, as potential results from their in-between relations.

02 Layers of Embodidness

The variety of conditions indicate divergence in the layers of embodidness. The approximation of the result of these layers, as inextricably linked concatenation of processes, is what we could consider the in-between. The specificity of layers, and thus of the shaped conditions, can be considered to be variable. Therefore, in order to deconstruct the in-between, it is a matter of remoderating processes that are the result of the different layers.

Through a divergence of analytical and relational drawings, making use of different scales and viewpoints, the result of layers were approximated (Fig. 16 up to Fig. 38). Ultimately, with the researching of the notion of institutionalism (Fig. 11), as the embeddedness of institutions in the city and the social body, the manifestations of power and control were charted.

What became evident, first of all, is how the hierarchization of institutions creates a guideline as controlling presence throughout the city (as space of representation), that on a larger scale specifies the conditions of areas (spaces in relation) in-between and surrounding institutions. Zooming into smaller scales, the method of how characteristics are (un)intendedly (dis) activated, controls how bodies establish relations in space, either as representation/relations of power. The characteristics often include of a certain degree of a fragmentation of space, through transitions and implementation of thresholds. This fragmentation already shapes a certain condition, causally establishing a certain effect. Adding to these conditions, are the strategies of power, as mechanisms of steering bodies through space, and the materialization of space, either confirming or differing the evocated effect. All together, the resulted layers establishes a (pre)meditation of effects, as sensation/experience of relations, which ultimately shape how bodies conceive and perform within the space.

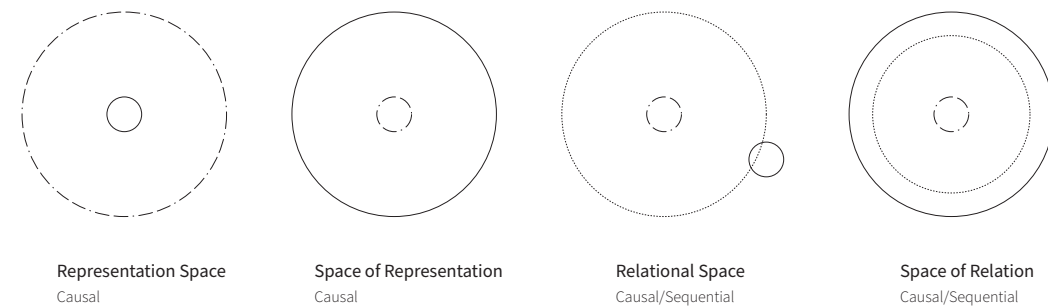


Fig. 15 - Categorizations of Space
Categorization of the (institutional) (inter)spaces as resulted from the representational/relational conditions (Fig. 12, 13, 14). Consequently, establishing causal or sequential relations through/ within the model of relations.



Fig. 16 - Inventory of Institutional Typologies
Explanation of Institutions of Religion, Knowledge, Health, Power (as catagorized),
spreaded throughout the city of London.

Scale 1:12500





Fig. 17 - Inventory of Institutional Interspaces (Nolly Map)
Explanation of the relation of buildings with the open spaces in the city of London, as
potential sites of (institutional) interspaces.

Scale 1:12500





Fig. 18 - Approximation Confrontations of Bodies: Sequence of Churches
Investigation into the changing nature of confrontations between bodies and institutions
of religion. Specifically, considered in relation with connecting and surrounding spaces.

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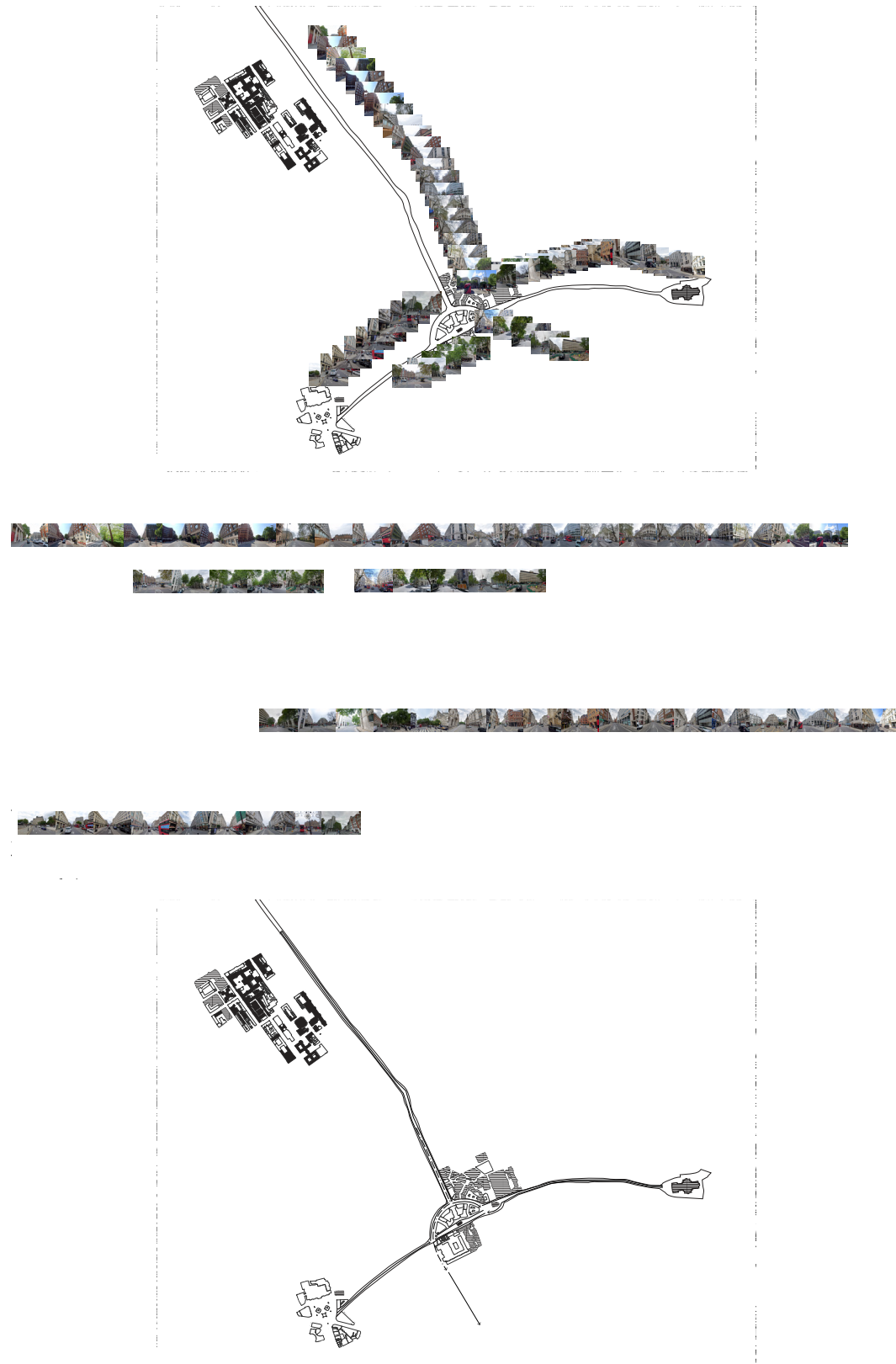


Fig. 19 - Relations of Movement (Traffic) with Encounters Institutions

The structuring of the city as response to the institutions, by creating guiding relations with/surrounding the institutions. In the development of the city, an Institution of Religion (St. Mary le Strand Church) became the centralized object within new constructions. Where it established its role as roundabout as connector of the main structures of the city.

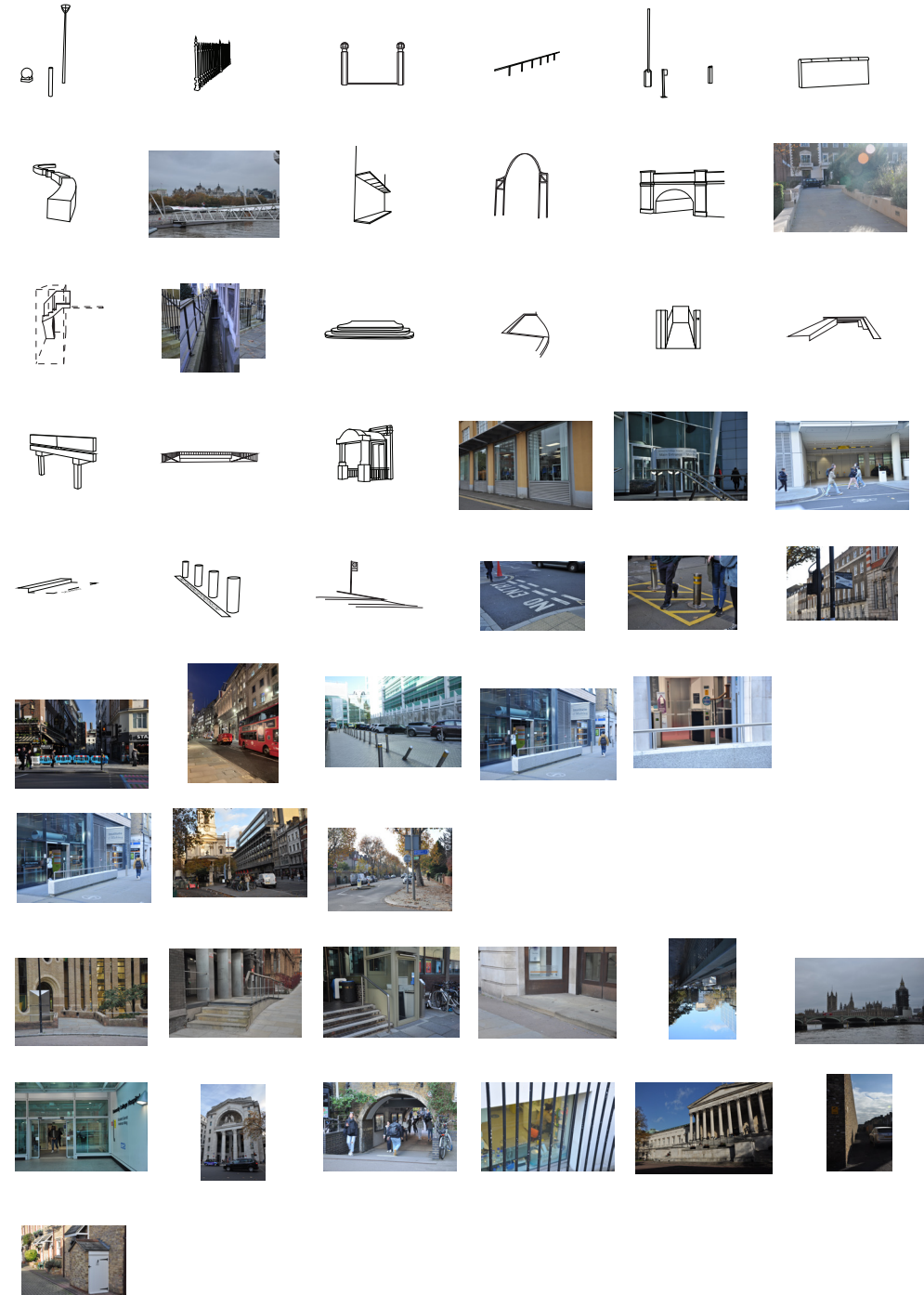


Fig. 20 - Catalogue of Thresholds: Indicators of In-Betweens

Result of the site visit of London, analysing the relation of the body with the institutional interspaces. Gathered through an inventory of elements (thresholds) determining (spatial) relations of bodies in encounters with the architectures of institutions, and the potentialness of space as (indicator of) in-between relations.

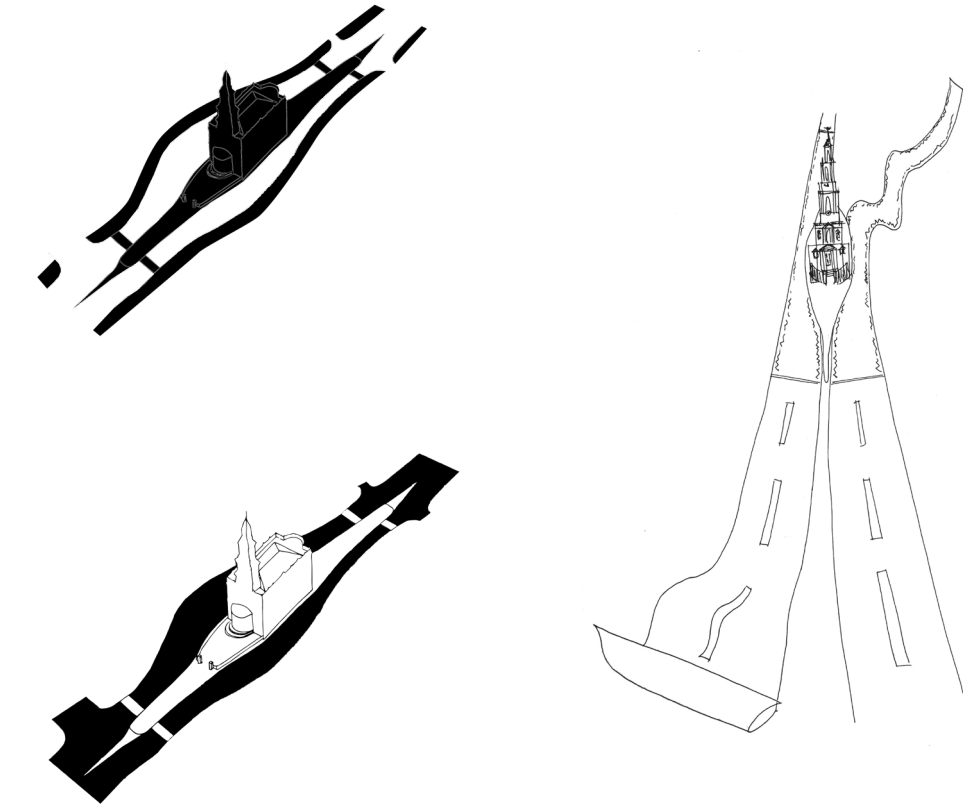


Fig. 21 - Representational Analysis of the Institution of Religion and its relations with bodies
Research into the relation of the locations of institutions in the encounters with bodies, and the potential use of in-between conditions in establishing relations of power.

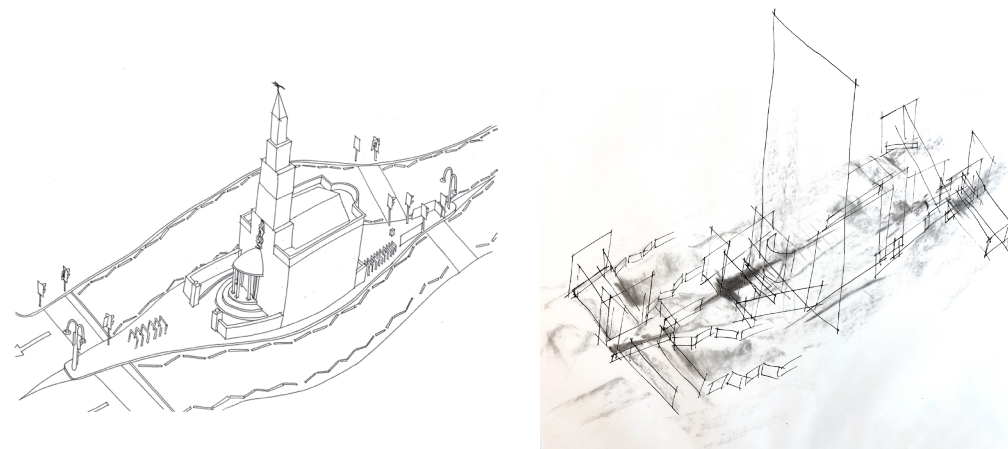


Fig. 22 - Representational Analysis of the Institution of Religion and the Interfaces of Power
Research in the use of thresholds and the establishing of effects within the encounters of bodies with the institutions. Visualizing the relations of layers within the architectures and its characteristics as potential interface of power.

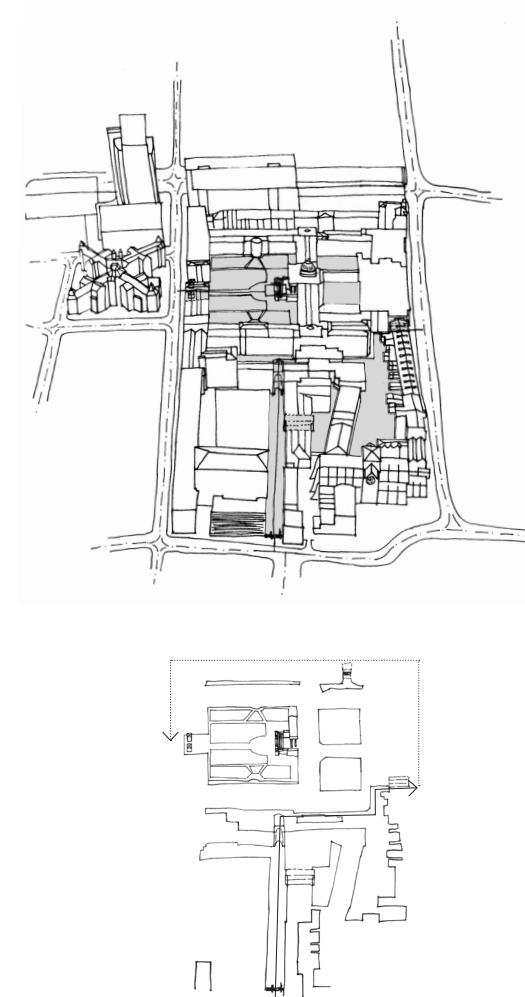


Fig. 23 - Relational Analysis of the Institution of Knowledge (UCL) with the Institutional Interspace
Research into the use of thresholds within the steering/movement of bodies, by the Institution of Knowledge (University College London), and its potential conditioning of the institutional interspace.

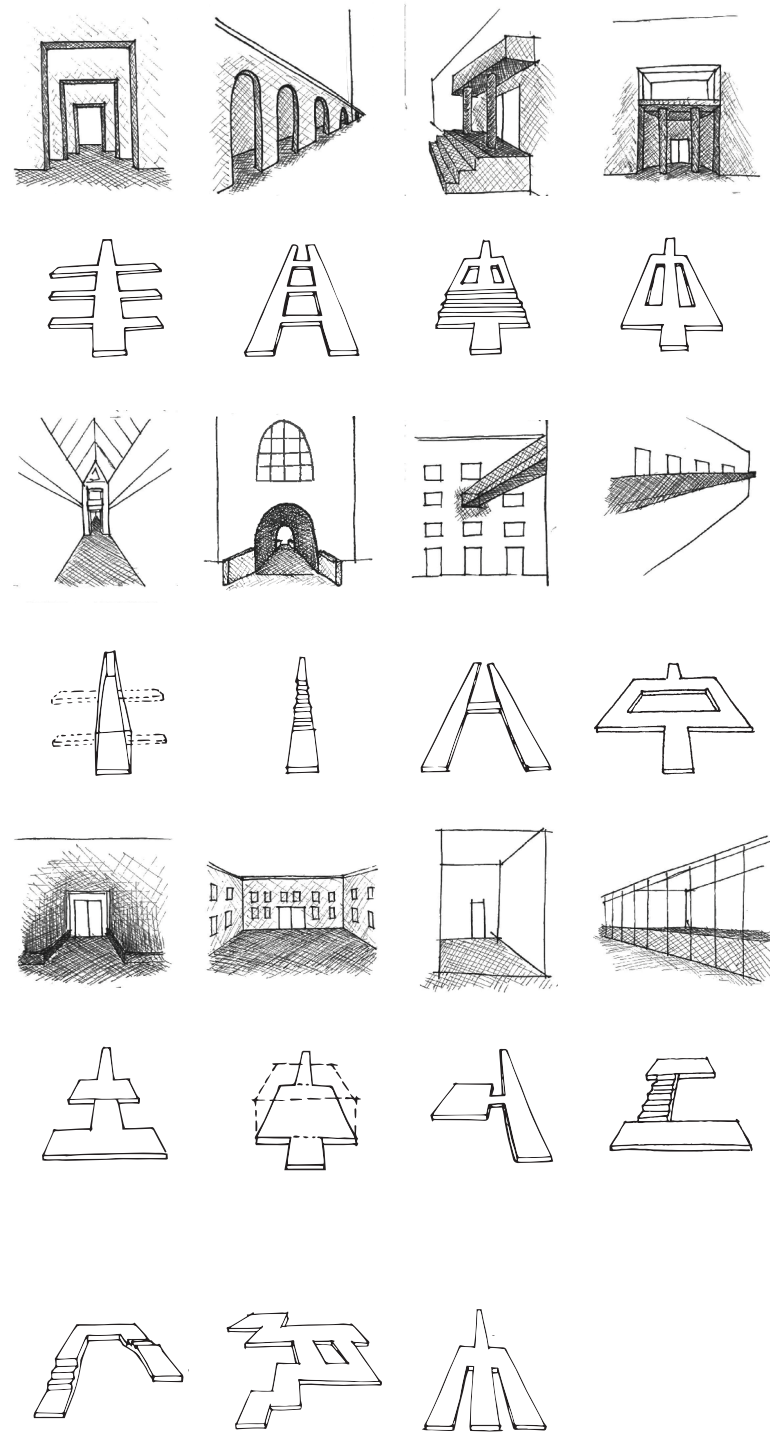


Fig. 24 - Institutional Typologies and Strategies
Architectural typologies and the potential embedded strategies of establishing relations as the interface between bodies and power.

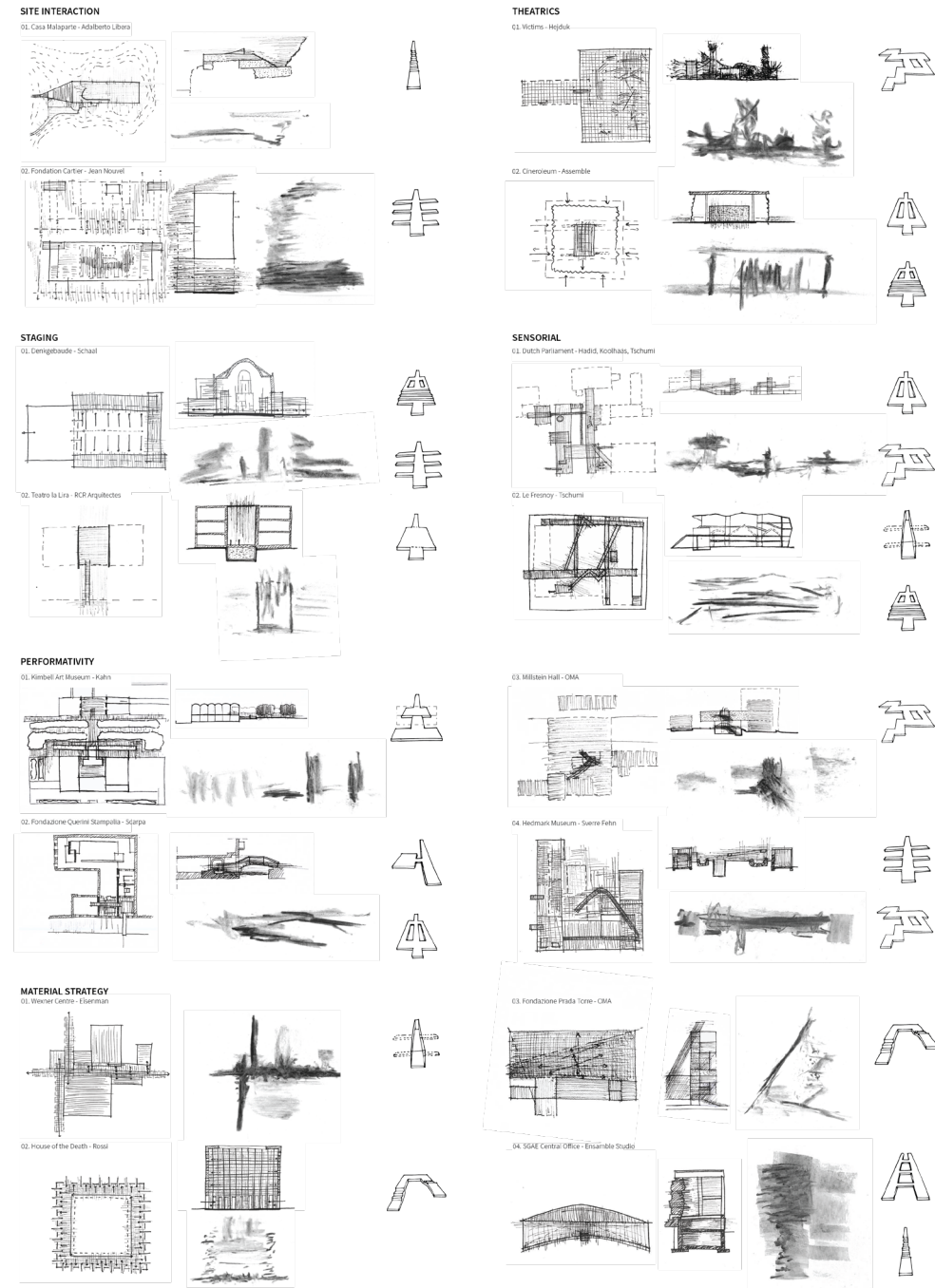
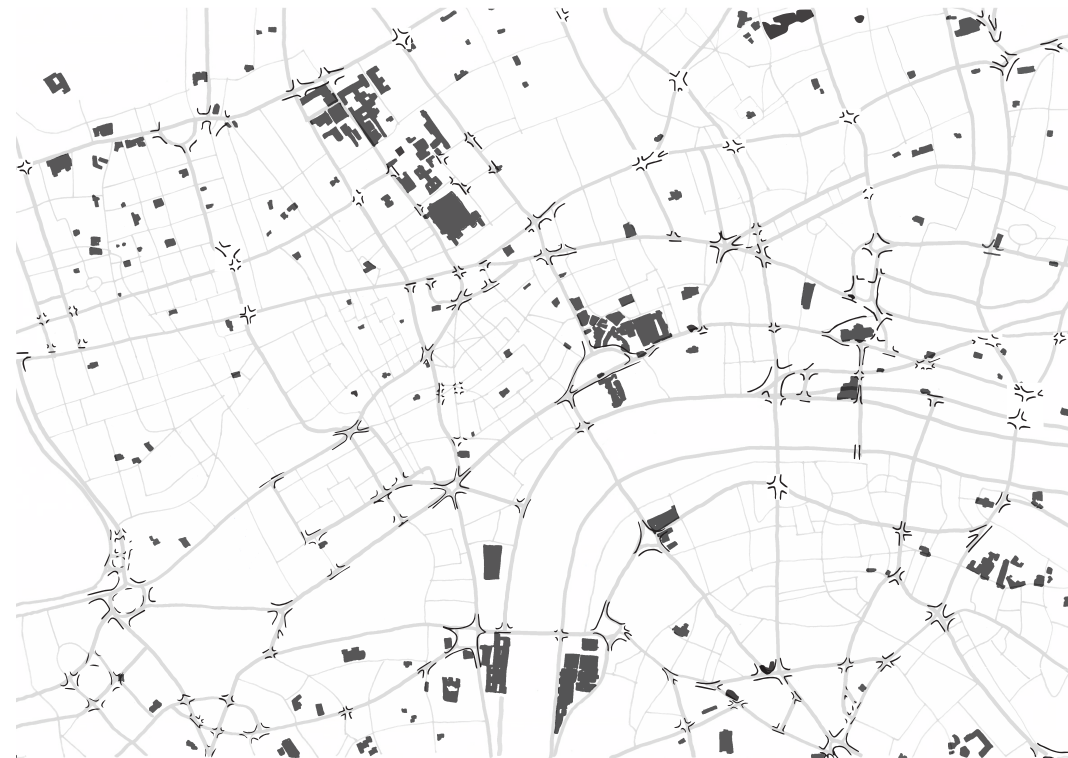


Fig. 25 - Case Studies of Application Institutional Typologies and Strategies
Analysis of the application of architectural strategies within case study projects, and the potential use of (changing) strategies as tool to establish certain relations/effects.



Scale 1:12500

Fig. 26 - Analysis of (Primary) Roads, Intersections Institutions within the City
Research into the use of (primary) roads and intersections in the (primary) embedding of institutions in the city (1).



Scale 1:12500

Fig. 27 - Relations of (Primary) Roads and Intersections in the Hierarchization of Institutions within the City
Research into the use of (primary) roads and intersections in the (primary) embedding of institutions in the city (2).

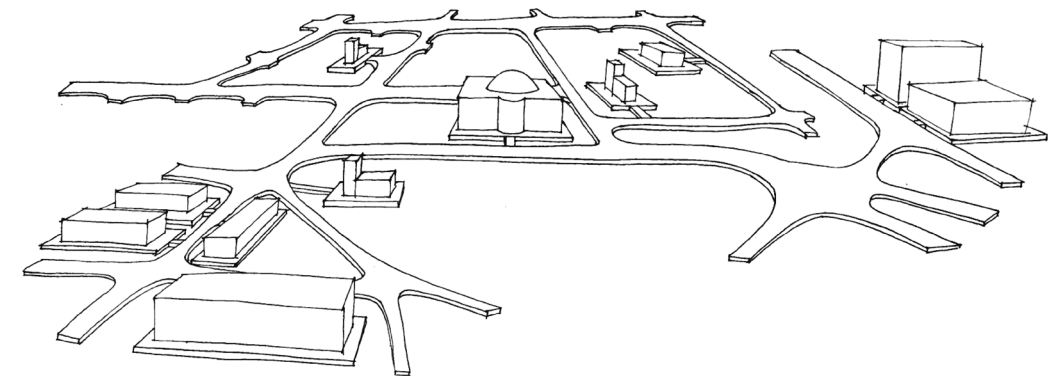


Fig. 28 - Representational Analysis of the Hierarchization of Institutions
Result of research into the institutional typologies and the divergence of their embeddedness within the hierarchization of the city.

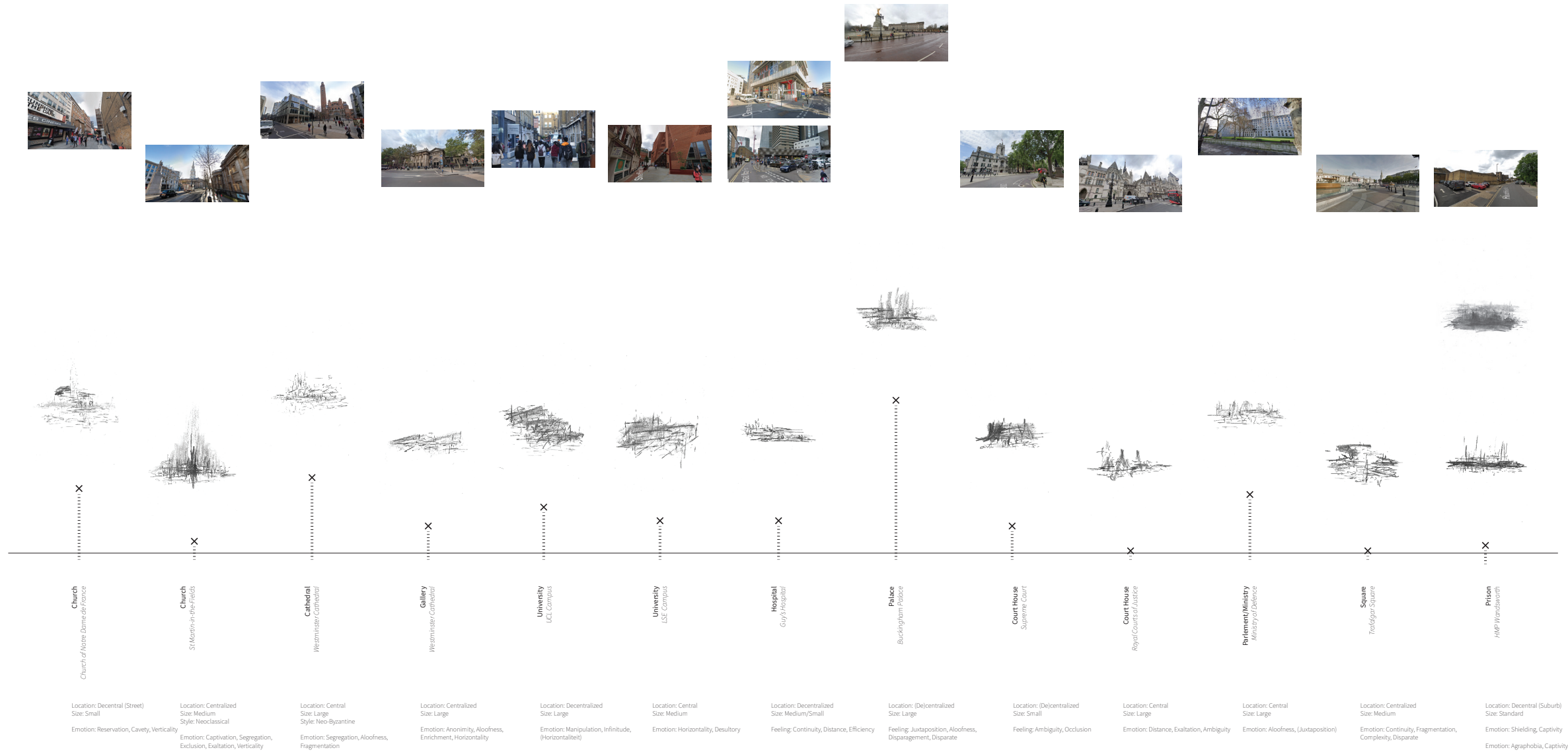


Fig. 29 - Typological Effect Analysis Institutions
Explorative analysis of in-between relations of Religion, Knowledge, Health, Power and their potential effect on bodies within the relations.

- Agoraphobia 1
- Aloofness 4
- Ambiguity 2
- Anonymity 1
- Captivation 1
- Captivity 1
- Cavity 1
- Complexity 1
- Concealment 1
- Continuity 2
- Desultory 1
- Disparagement 1
- Disparate 2
- Distance 2
- Efficiency 1
- Enrichment 1
- Exaltation 2
- Exclusion 1
- Fragmentation 1
- Horizontality 3
- Infinite 1
- Juxtaposition 2
- Manipulation 1
- Occlusion 1
- Reservation 1
- Segregation 2
- Shielding 1
- Verticality 2

Fig. 30 - Linguistic Analysis Institutional Effect
Approximation of effects within the institutional interspace, and the potential specification of characteristics of different in-between relations.



Fig. 31 - Approximation Institutional Effect
Explorative analysis of in-between relations of Institutions of Religion, Knowledge, Health, Power and their potential effect on bodies including the relations with the city.

Scale 1:12500



Fig. 32 - Approximation Transitioning Institutional Effect
Result of the explorative analysis of the in-between relations of institutions, and the transitioning of their effect within the city.



Fig. 33 - Application of Institutional Typologies and Strategies In-Between Spaces

Analysis of the application of architectural strategies within the open spaces, in-between buildings, and the potential influence of orders of magnitude and use of materialities/thresholds.

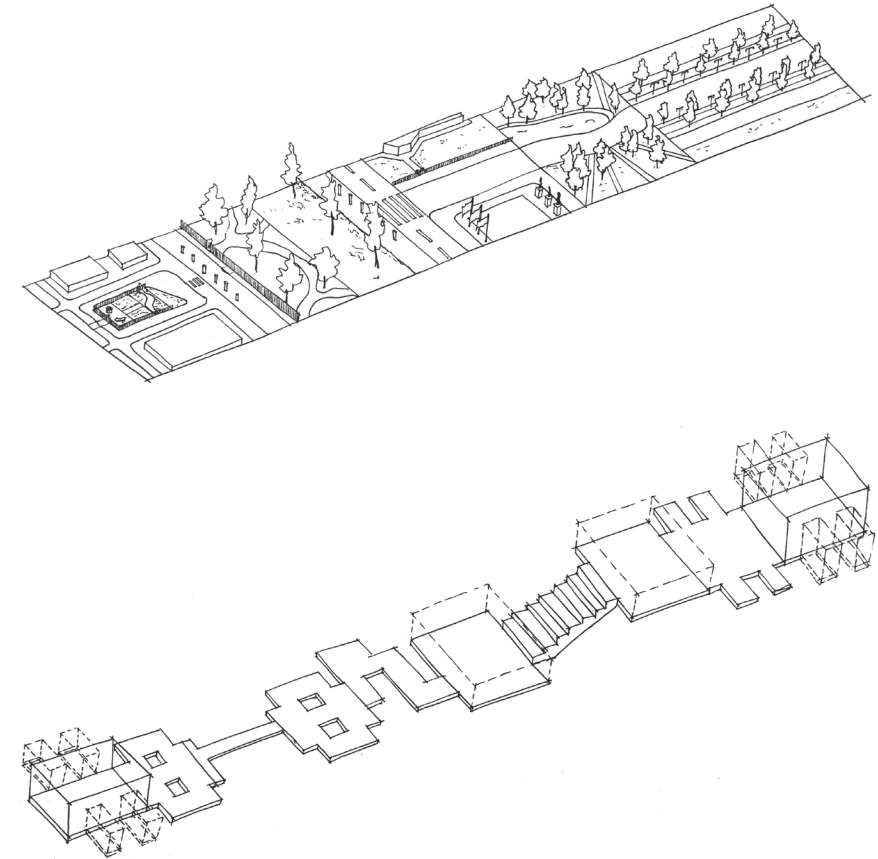
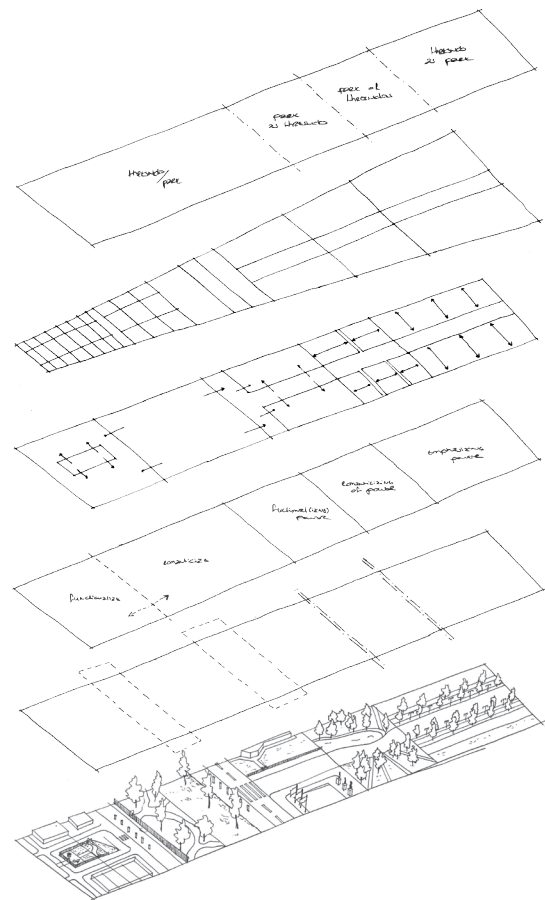


Fig. 34 - Transition of (Institutional) In-Between Spaces and Strategies

From top to bottom: Typologies of the open spaces, in-between buildings/institutions (A); result of their divergence in orders of magnitude and use of materialities/thresholds (B); representation of their sequence of strategies (C).



Park vs Threshold

Hierarchization

Buffer

Function

Transition

Fig. 35 - Analysis Transition of Spaces: Interfaces
(Interfacial) characteristics of the typologies of the (institutional) in-between spaces.

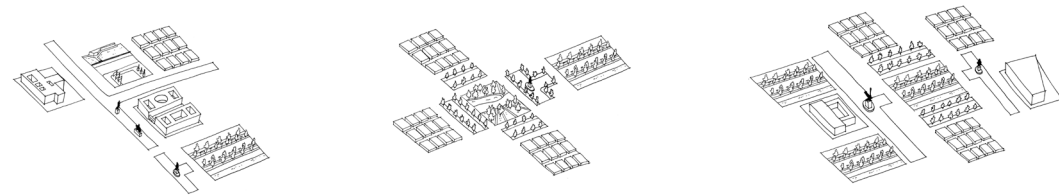


Fig. 36 - Transition Buffer Zones Thresholds (In-Between) Spaces
Analysis of the transition of (in-between) spaces, their buffer zone of thresholds, consequently their characteristics as interfaces between bodies and power.

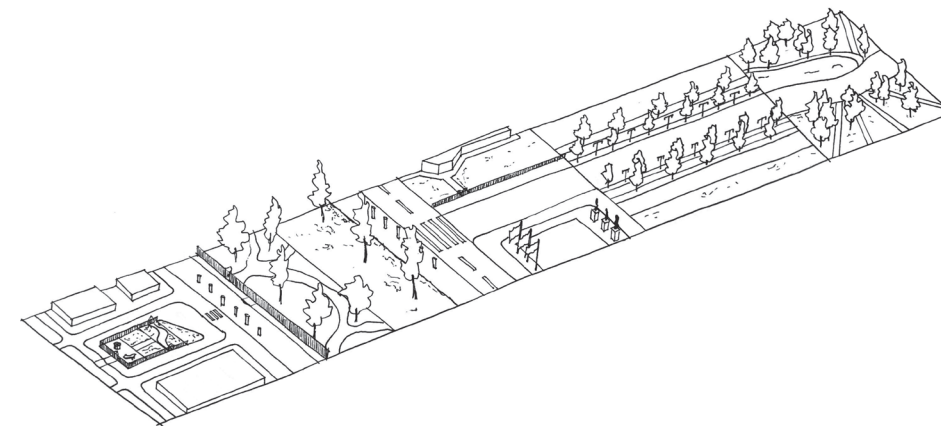
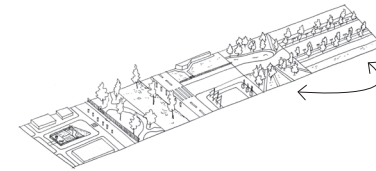


Fig. 37 - Analysis Transition of Spaces: Interface
The top indicates how a divergence of in-between spaces can be seen in London.
The bottom shows the actual application, in which the culminated (in-between) space is put forward and the interface has a sudden ascending in its relations with power.

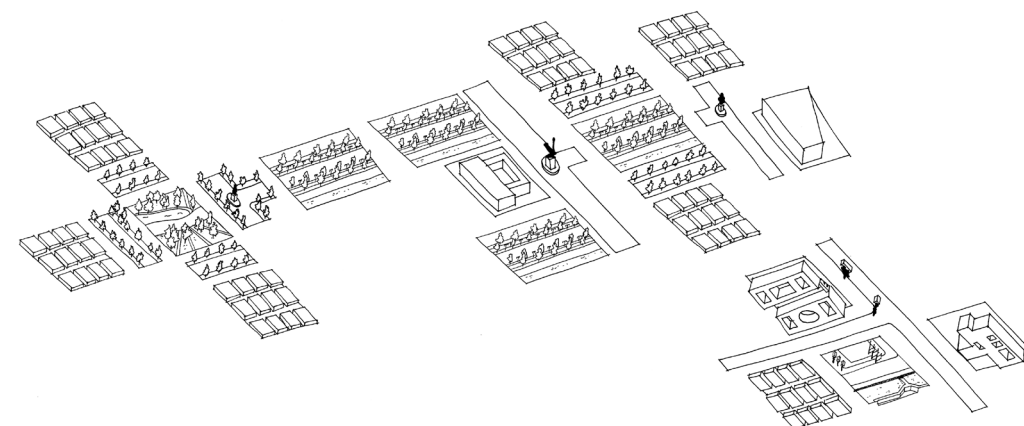


Fig. 38 - Transition Buffers of Thresholds (In-Between) Spaces
Sequence of the principle of transitions of the (in-between) spaces and their buffer zones of thresholds. Additionally, the comparison of principles show the relations between the interfaces of power and the spaces of relation (adjacent neighborhoods).

Based on the theoretic positioning as established in Part A, the proposed operationality of the project constitutes a diffusion (complexification) of the in-between relations in a location where the manifestation of power is significantly explicit.

Therefore, it should respond to a concatenation of processes (of in-betweens), in which the project remoderates the relations. Herein, it should respond and establish (multiscalar) relations with the city. Hence, it is important that the project is in close proximity to a hierarchical guideline, potentially an intersection.

Resulting from the relations of power, as discussed in this chapter, there should be an assembly of diverging conditions, which through their relations, result in (an) othering (of) space.

Wherewith, it responds to site characteristics and conditions which specifically define the relations of power as considered within the site of interest.

Finally, these provisions led to the specification of the site of interest, the (area of) intersection of The Mall, Trafalgar Sq, Northumberland Ave, and Whitehall. Approximated as Fig. 39, schematized as Fig. 40, and by situation represented as Fig. 41.



Legend

- Material Transits
- Levels (Cause)
- Levels (Effect)
- Hard Thresholds
- Soft Thresholds
- Charging
- Discharging
- Bodily Relations
- Theatrics/Staging (Temporal)

Fig. 39 - Representational Approximation In-Between Site of Interest

Approximation of the in-between in the site of interest, and its constitution through (the effect of) relations.

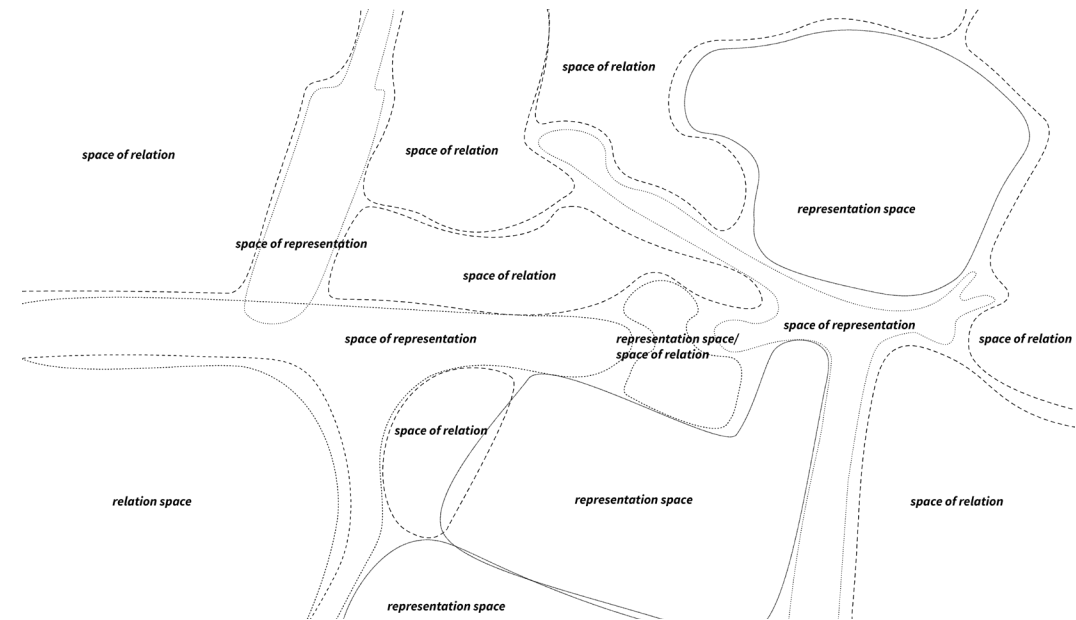


Fig. 40 - Schematic Approximation of the Institutional Interspaces

Approximation of the characteristics of spaces in their relations with the institutional interspaces (representation space, space of representation, relational space, spaces of relation).



Fig. 41 - Situational Representation Site of Interest

By situation representation of the intersection of The Mall, Trafalgar Sq, Northumberland Ave, and Whitehall.

This chapter will investigate how approximations of the in-between can be conditioned, strategized and operationalized, in order to systematically (de)construct relations within the in-between. This research will be conducted in the site of interest as specified in three.

01 Defining

The in-between can be conditioned through its multiscalarity, and additionally its multilayeredness. Deriving from the analysis of the result of the relations, as conducted in three, there are several important definitions that are crucial to make explicit. Based on research, these indicate a conditioning of in-betweens.

First, the threshold space, as illustrated in Fig. 42. On a smaller scale, often indicating a transitioning of spaces (zones, levels, rooms, etc.). On a larger scale, entire urban blocks can either become or act as thresholds spaces. This becomes vivid when a transition between conditions (inside/outside, materialities, densities, scales) is established.

Second, the interface as the overarching of a multiplicity of threshold spaces, or opposingly, the lacking of. Herein, the interface is the (dis) layering of relations, which stimulates and determines the conditioning of relations between subject and object. Which through directionality, materiality and operability indicate certain relations/conditions.

Third, the interspace, both literally and phenomenologically, defined as the (space) between. On a larger scale (as described in chapter two), the (institutional) interspace was defined to be all that is between the model of relations. On a smaller scale, this translates into spaces that are between relations and conditions. These do not form moments of pause, as this would be considered to be interstitial. But the interspace is a space between relations, where relations are established, but which are passively directed (as opposed to actively through interfaces), and conditioned through its positioning between these relations.

Fourth, the in-between, which is all there is between. Consequentially as the continuous flux that makes everything related or relatable. The in-between transcends conditions of all; threshold spaces, interfaces, interspaces, etc. It is the result of the whole of the model of relations, in both smaller and larger scales, their in-between and the potential of a beyond (off scaled).

It is the changing product of relations, an estimated consideration of the result of the relations of layers, produced both through interfaces and interspaces. This product of relations determines the conditions of the confrontations of bodies with and through these spaces.

By defining how the in-between results, the causal relations can be specified in their proposed effects. This way, the process of a changing product of relations can be analysed, made explicit, and the potential outcome reconstructed.

02 Conditioning

In explorations of the in-between, as shown in Fig. 44 up to Fig. 48, the result of different layers was considered.

Starting with analysing the in-between relations at the site of the intersection (Fig. 44 up to 47). Herein, three sections made in both directions, showed the concatenation of different conditions and processes. Additionally, this visualised the important role the intersection, and specifically the Admiralty Arch play in their connection. The sections' two-sidedness also made explicit a directionality within the in-between, where the spaces of relation are positioned towards the spaces of representation.

After this, the site of the intersection was used to draw multiple transects in different sizes (S, M, L) (Fig. 48) to create an understanding of how the site establishes relations within the different scale sizes.

These enabled an understanding of how elements and/or fragments create divergent energetic, experiential relations between bodies and space. Through the use of depth, height, scale, materiality, transits, contrasts, staging.

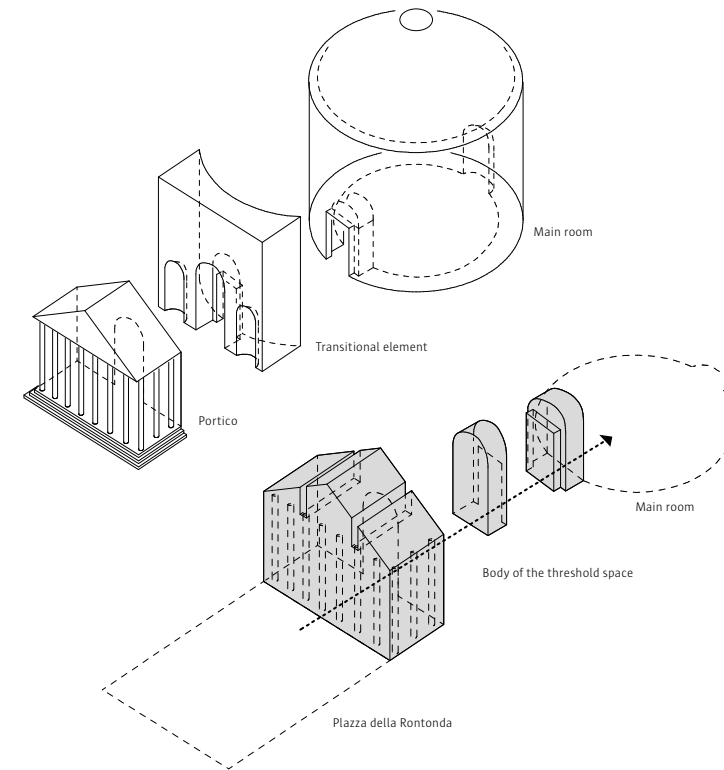


Fig. 42 - Threshold Space ³¹

Threshold space as residual space of transition determining elements.

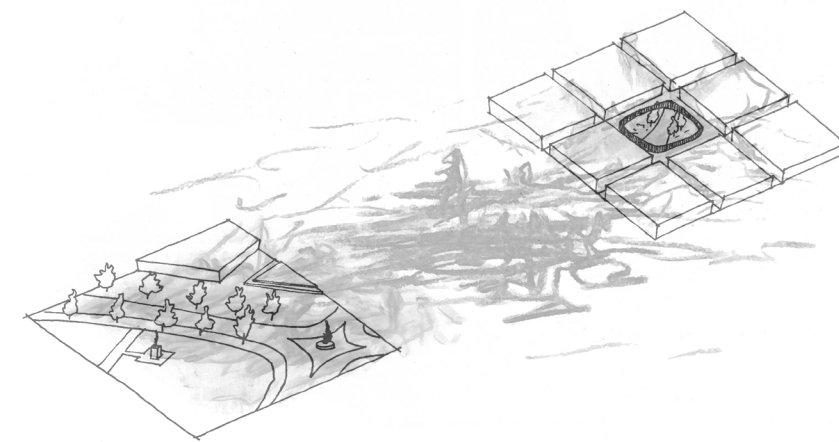


Fig. 43 - Threshold Space versus In-Between Space

In the density of the urban blocks, the in-between spaces almost resembles the threshold space. Where in open spaces, the in-between spaces is increased in comparison with the threshold spaces, as these become incidental. A site of interest, includes these two conditions in relation and establishes an in-between in their considerations.

³¹ Till Boettger, *Spatial delimitations*, 2014, in Till Boettger, *Threshold Spaces* (Basel: Birkhäuser, 2014), 25. Till Boettger, *Body of the threshold space*, 2014, in Till Boettger, *Threshold Spaces* (Basel: Birkhäuser, 2014), 25.



Fig. 44 - Sectional Investigation Intersection (Site of Interest)

Sectional representation (direction A) of the site of interest. Including section of the parliament/court district, city transition into the Buckingham Palace, parallel spaces of relation.

Scale 1:6000



Fig. 45 - Representational Exploration Sections Intersection (Site of Interest)

Approximation concatenation (direction A) of conditions and processes, of the potential in-between relations. In section, the parliament/court district, city transition into the Buckingham Palace, parallel spaces of relation.

Scale 1:6000

- Legend
- Material Transits
 - Levels (Cause)
 - Levels (Effect)
 - Hard Thresholds
 - Soft Thresholds
 - Charging
 - Discharging
 - Bodily Relations
 - Theatrics/Staging (Temporal)

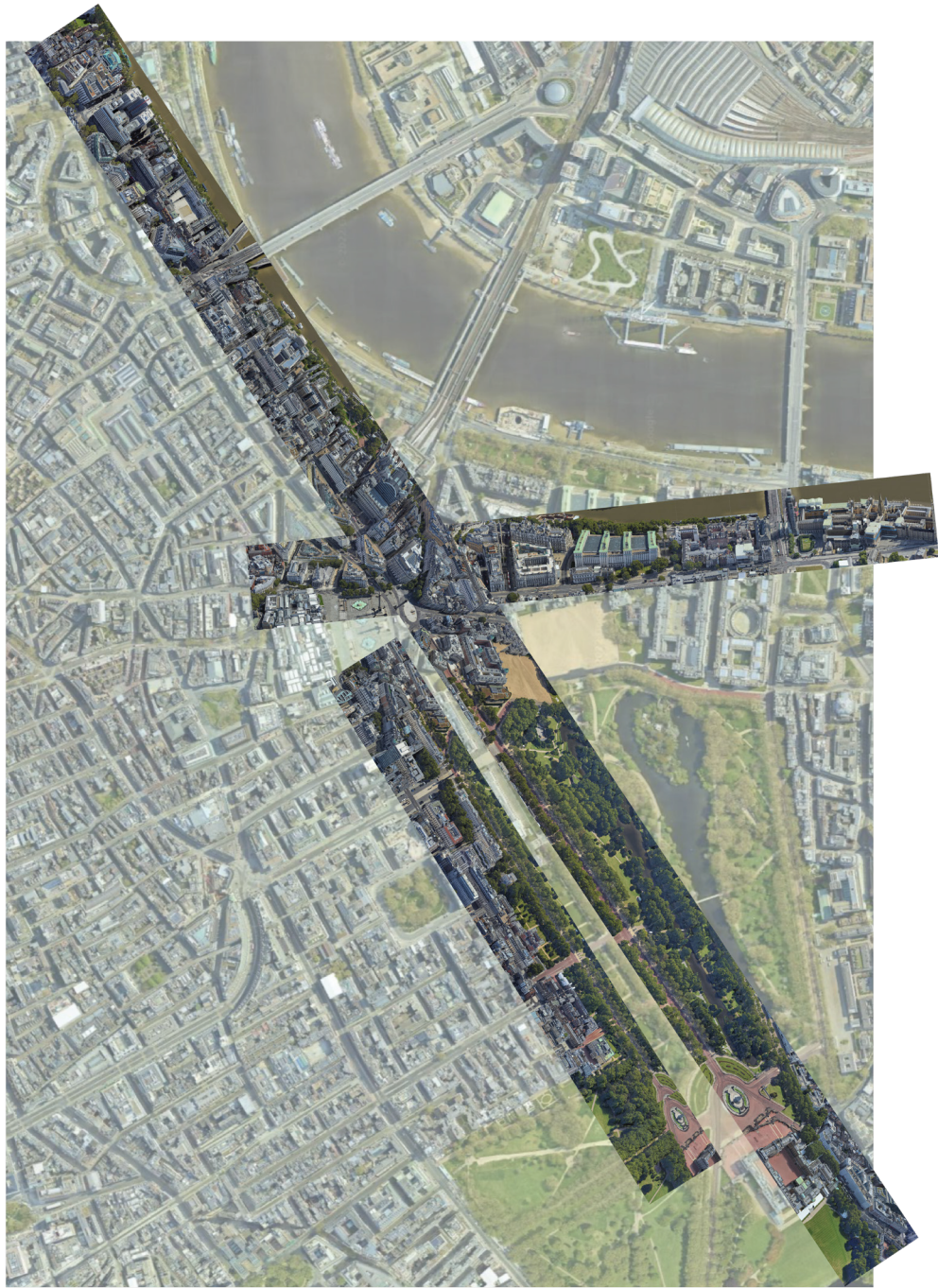


Fig. 46 - Sectional Investigation Intersection (Site of Interest)

Sectional representation (direction B) of the site of interest. Including section of the parliament/court district, city transition into the Buckingham Palace, parallel spaces of relation.



Fig. 47 - Representational Exploration Sections Intersection (Site of Interest)

Approximation concatenation (direction B) of conditions and processes, of the potential in-between relations. In section, the parliament/court district, city transition into the Buckingham Palace, parallel spaces of relation.

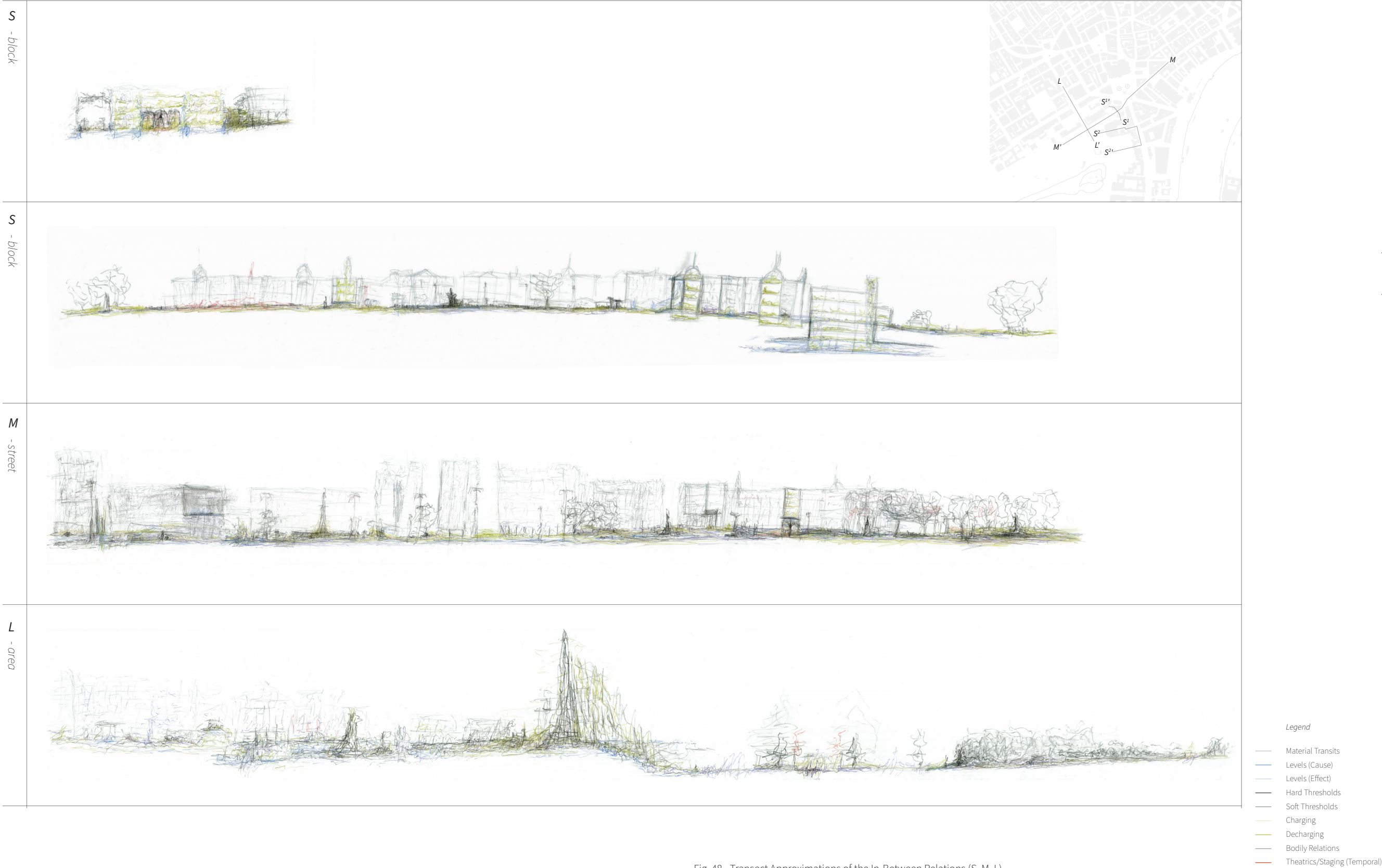


Fig. 48 - Transect Approximations of the In-Between Relations (S, M, L)

Explorative analysis of conditions, layers and processes resulting in the approximation of in-between relations at the intersection of The Mall, Trafalgar Sq, Northumberland Ave, Whitehall. Researching the relations in different scale sizes: block (S), street (M), and area (L).

+/- Scale 1:200

Following this, the conditioning of the relations of power within the in-between were researched, making use of a notational system that mapped the interfaces which enabled these relations and explored the characteristics of the interspaces (Fig. 49). What becomes explicit through their comparison, are the divergence of conditions (interfaces/interspaces) of different fragments in relation with the approximated in-betweens. By closely analysing how the relations result into the approximated effect, the in-between can be reconstructed by means of establishing affect (as for a beyond of othering) (Fig. 50).

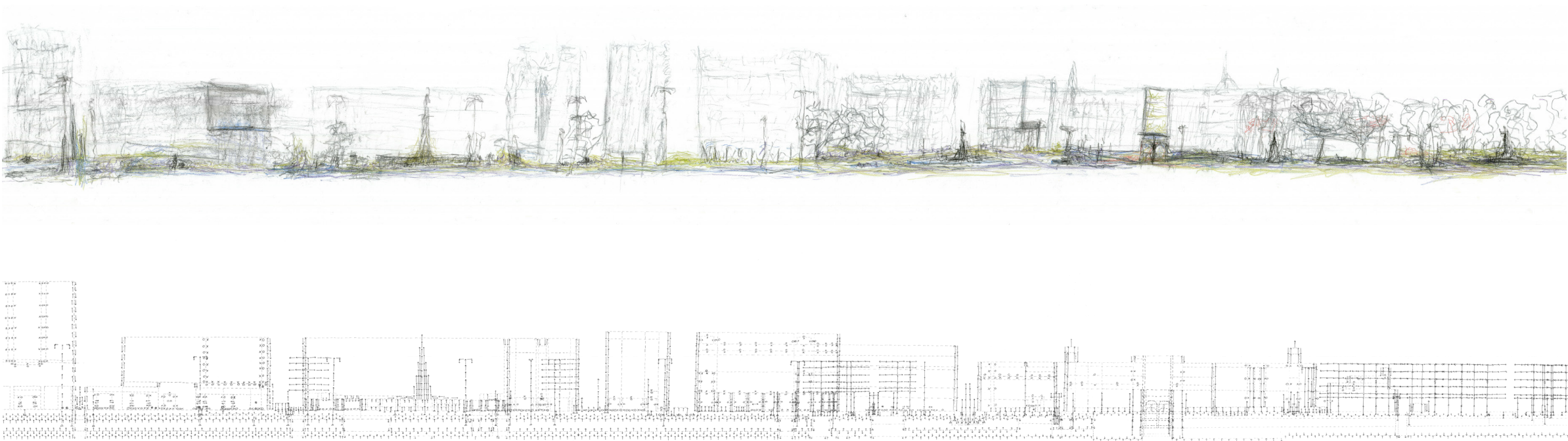


Fig. 49 - Notational Translation Transect Approximation of In-Between Relations
Notational translation of the interfacial characteristics of the relations of power: directions, transitions, and thresholds.

+/- Scale 1:200

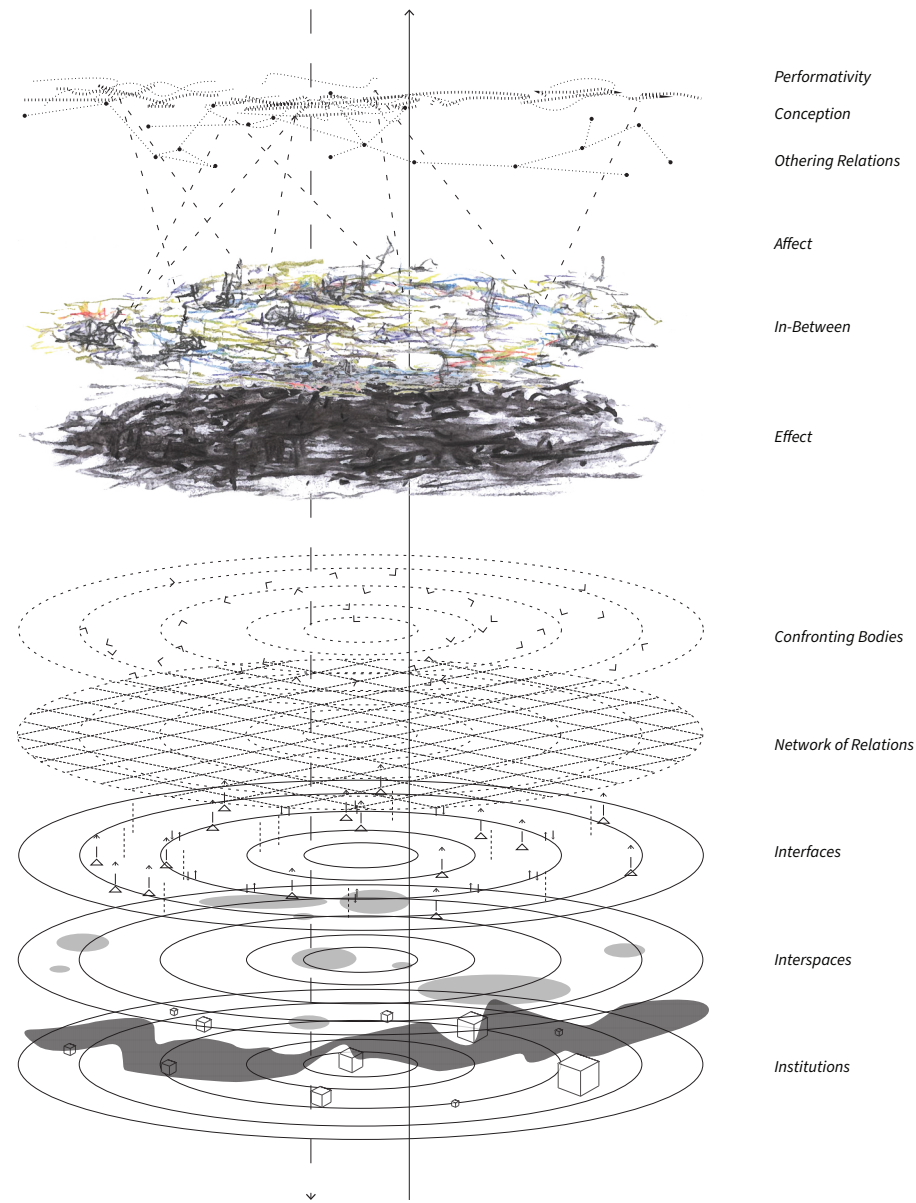


Fig. 50 - In-Between Relations of Affect
Relational diagram explaining the layers- and networks of (power) relations, the consequential confrontations of bodies, and the consequential effect.
The in-between is positioned as the regulator of effect (through affect). Wherein it is able to establish alternative relations (of othering), and consequentially, conceptions and performances.

This chapter investigates how to strategize and operationalize a (de)construction of relations, to establish a possible diffusion of in-between relations. Wherein, the diffusion should stimulate bodies' confrontations with the conditions, in a way that will enable them to go beyond the conceptions and performances relating to othering practices.

01 Strategizing

As concluded in four, the relations of conditions of the in-between, can be (re) constructed by closely analysing how conditions potentially turn into their approximated effects (Fig. 50). This would determine how bodies confront with the approximated effects, how they experience and sense, thus how bodies conceive and perform within space. Due to the reciprocate relation of bodies and cities, this will further determine (other) bodies' conceptions and performances and consequently effect the resulted in-between relations.

The (de)construction of the in-between relations needs further investigation to specify a strategy of diffusion, in order to accomplish a beyond of othering. Within this strategization, the guiding force within the relations is the architecture. Therefore, the question is, how to use architecture as a

strategy of approximating effects, to establish an affect?

To determine architectures' operations of affects, Bressani' manifesto, *Towards a Digital Theory of Affect*, was rewritten as *The In-Between of Affect* (Fig. 52)³². Which ultimately concluded in the specification of six characters that will be used to establish an architecture of affect.

Based on these six characters, affect can be achieved by establishing relations of contrast and divergence within the architectures' characteristics (operations (object/subject), materialities (layering/interfaces), circulations). To strategize architecture as diffuser of in-between relations (Fig. 51), the heterogeneity of the institutional interspace should be intensified. This would result in a complexification of in-between conditions, which would include the reflective simulational circuit that aims to establish a beyond (of conceptions and performances). To establish this, an architecture that intensifies the fragmentation of conditions is proposed. This way, the architecture could respond to, and use the fragmentation of multiscale in-between relations and use its divergence in facilitating bodies' conceptions and performances. Ultimately, it is the body' experience and sensation of the in-between relations, through the architectures, that will condition the confrontations.



Fig. 51 - Diffusion of In-Between Relations in the Institutional Interspace

Strategy of diffusion of the in-between, where conditions are put in relation and therefore become intensified. Consequently, to establish an in-between in their considerations, ultimately complexifying and diffusing the in-between.



Fig. 52 - The In-Between of Affect

Response to the Bressani' Manifesto "Towards a Digital Theory of Affect" (2010). Applicability of affect, as described by Bressani, as an architectural strategy. From this, six characters were specified: Reciprocate, Heterogeneous, Catalyst, Broadening, Interface, Pheromone.

32. Martin Bressani, "Towards A Digital Theory Of Affect", in *LIFE In:Formation, On Responsive Information And Variations In Architecture, Proceedings* (repr., New York: ACADIA, 2010), 159, http://papers.cumincad.org/data/works/att/acadia10_159.content.pdf.

1. Martin Bressani, "Towards A Digital Theory Of Affect", in *LIFE In:Formation, On Responsive Information And Variations In Architecture, Proceedings* (repr., New York: ACADIA, 2010), 159, http://papers.cumincad.org/data/works/att/acadia10_159.content.pdf.
2. Bressani, Digital Theory Affect, 159.
3. Bressani, Digital Theory Affect, 159.
4. Bressani, Digital Theory Affect, 159.
5. Bressani, Digital Theory Affect, 159.
6. Bressani, Digital Theory Affect, 160.
7. Bressani, Digital Theory Affect, 160.
8. Bressani, Digital Theory Affect, 160.
9. Bressani, Digital Theory Affect, 160.

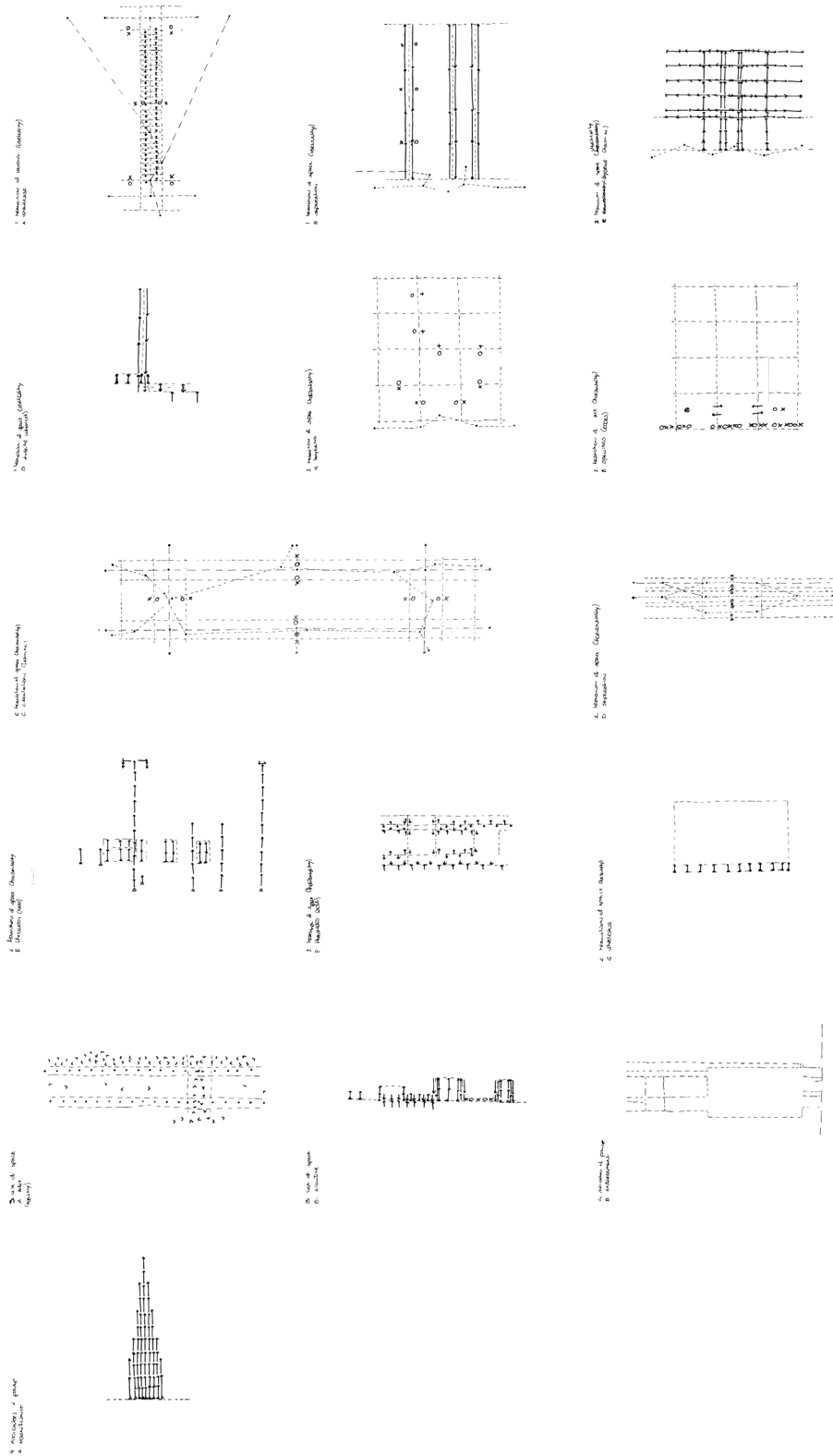


Fig. 53 - Catalogue of Fragments
Inventory of typological fragments within the translated (notational) primary transect, which are significant through their (interfacial) characteristics and relational conditions.

02 Operationalizing

As researched in four, the location of intersection and more specifically, the Admiralty Arch, were concluded to be significant in connecting different conditions and processes within the in-between relations. In the notational translation (Fig. 49), this site specific location can be considered as an interspace within the network of relations. Therefore, the location therefore not only has potential for establishing a diffusion of in-betweens relations. Additionally, it brings a potential for an architecture of fragmentation within the interspace, which could include a use of contrast and divergence in its conditions, that would signify an architecture of affect.

To operationalize the location, a catalogue of fragments (Fig. 53) was made, which inventorized typological fragments based on their interfacial characteristics and relational conditions. The architecture of fragmentation could derive from the application of these typological fragments (Fig. 55), with the application of contrasts and divergences in/ between conditions. This could be further emphasized, by collaging/assembling layers of relation (based on the conclusions in three). Ultimately, activating the in-between relations, on different scales, by using the interfaces and institutional typologies/ strategies/effects (architecture), hierarchization of conditions/typological fragments (city), and the characters of affect (bodies) to establish affective relations within the design of experiences/sensations (Fig. 54).

The use of experience and sensation could be used to emphasize the divergence of conditions of the different fragments and its layers of relation (Fig. 56). The relation of fragments, could follow Sarah Robinson's positioning in *The Space of Relation*, where the architectural experience through body and emotion are researched with the affect.³³ Herein, Robinson probes to emphasize interdependencies, and to value the context over the dominance of the isolated object. To

use subtlety and suggestion, in the evoking of emotion through contrasts.³⁴ To be aware of the sensory in experiences, as the bodies' capacity of emotion is intertwined with all senses.³⁵ Specifically, these design principles should be integrated in all scales of the architectural translations, from the operationalization, strategization, materiality, program, functions, climatization, and construction (Fig. 56).

33 Sarah Robinson, "The Space Of Relation", in *The Routledge Companion To Critical Approaches To Contemporary Architecture*, 1st ed. (repr., New York: Routledge, 2020), 91-101.
34 Robinson, *Space of Relation*, 95.
35 Robinson, *Space of Relation*, 95.

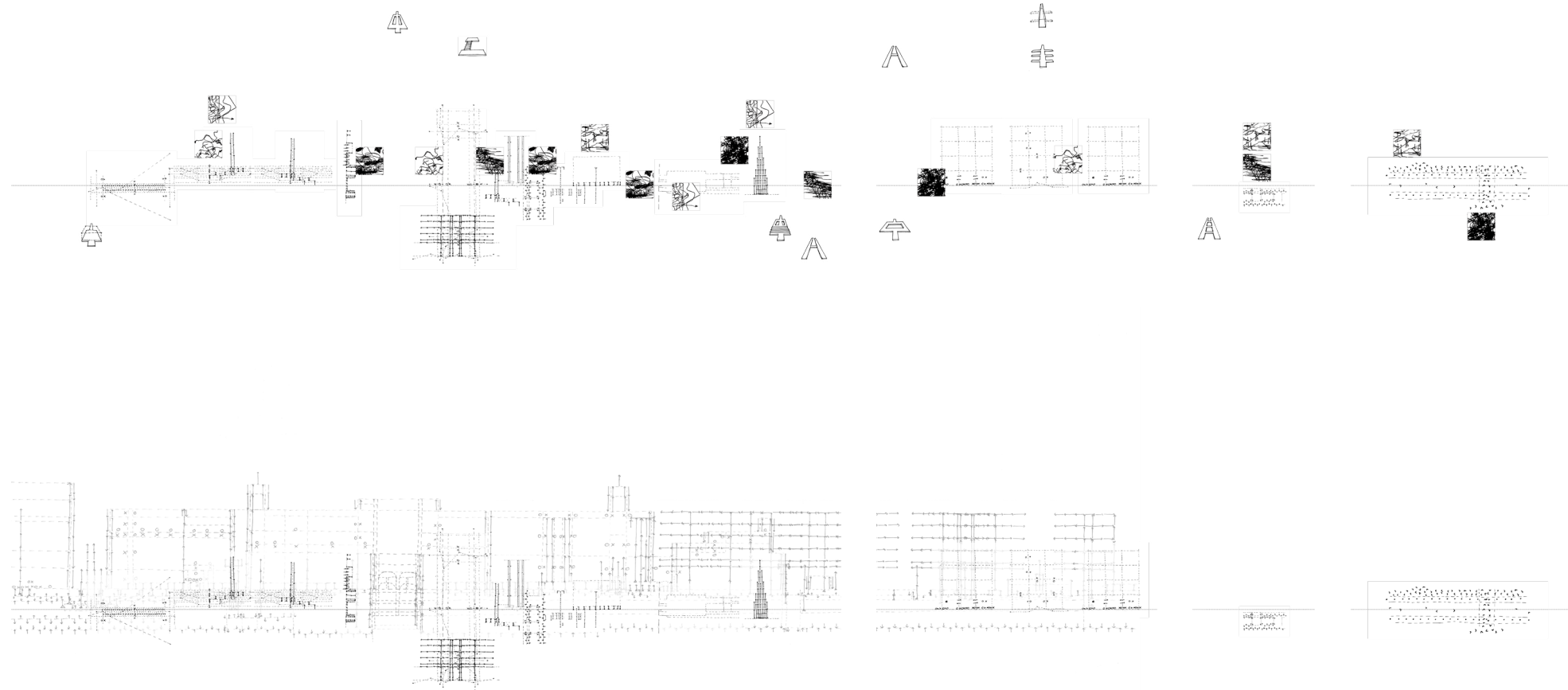


Fig. 54 - Projected Collage of Fragments, Institutional Strategies and Characters of Affect

Projection of typological fragments, institutional strategies and characters of affect collaged/assembled as operationalization of the site, in the transect of interest (notational translation).

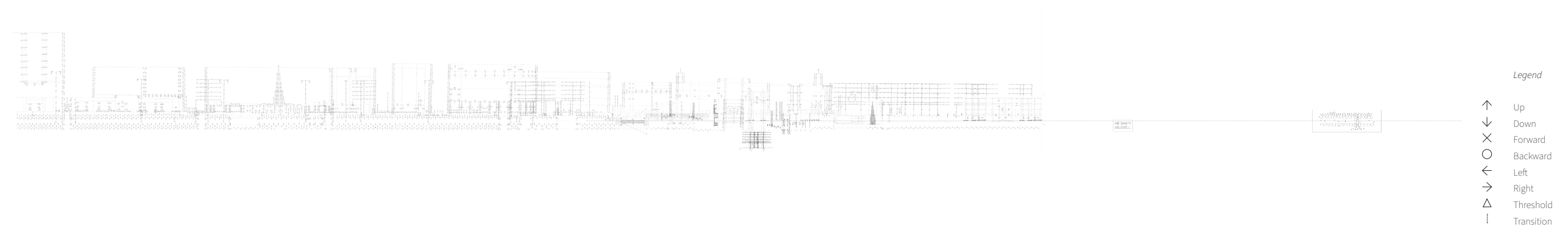


Fig. 55 - Projected Collage of Fragments Transect

Projection of typological fragments collaged/assembled as operationalization of the site, in the transect of interest (notational translation).

+/- Scale 1:200

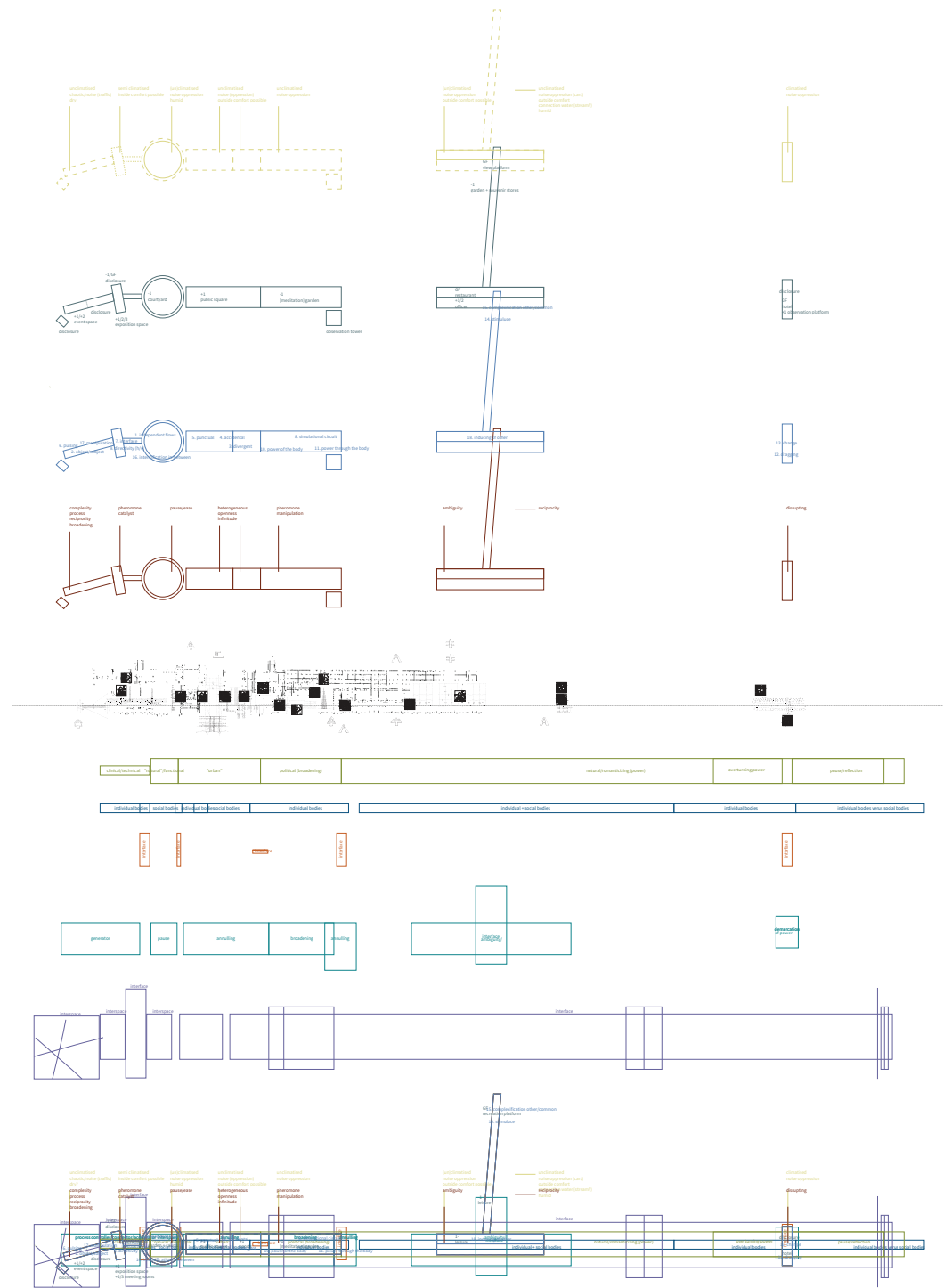


Fig. 56 - Design Strategization + Operationalization
Strategization and operationalization of proposed fragments and layers of relation, with additionally experiences and sensations, to establish architectures of affect.

This essay researched the potential of a new approach and operability, wherein philosophical theories were made applicable to the spatial disciplines, to respond to the age-old problem of othering practices within society. With this research, the following question was investigated: *"How can we create an architecture of affect that establishes alternative relations between power and bodies in contemporary heterogeneous cities which could establish renewed ideologies that go beyond the othering of bodies?"*

To specify the approach, first, the relation of bodies and cities in the contemporary heterogeneous city should be considered not as separate entities, but as the result of changing accumulations of processes between bodies and cities, explicated as the model of relations.

Herein, the model of relations should be considered as the totality of processes and relations, that signify the variation of conditions to which bodies confront, ultimately shaping their conceptions and performances.

In consideration of these relations, both the body and city are considered to be as interrelated and transgressive, that they should be approached from the in-between of their relations.

Second, shifts in the managing of the social body through the systemics of power have led to the power of performativity. Throughout history, power was used to integrate bodies into systems and processes. The introduction of institutions, as attempt to increase the efficiency of processes, as segregative and hierarchical managers of processes, ultimately led to a systematization that derived on the othering of bodies. With the parallel development of cities, the processes of relations between (institutional) power, bodies and cities, have become inextricably linked. The in-between of their relations, to be considered from the institutional interspace. Within the model of relations, heterogeneity creates and sustains the oppression and distinction of bodies. However, instead of neglecting the heterogeneity, a potential might be to (re)consider othering relations,

from within in-betweens.

With this, the essay proposes to research the manifestations of relations of power in the institutional interspaces, where relations are highly contributive in the othering of bodies. Proposing to diffuse the in-between relations, by intensifying its heterogeneous qualities, to go beyond the othering of bodies by making use of the characteristics and conditions of spaces which other through/within. Ultimately, to establish relations of an in-between, which go beyond the othering of bodies.

The manifestations of relations can be seen through different scales and layers, while researching the embodiments of power in the city. Herein, spaces can be categorized (representation/relation space, space of representation/relation), determined by the positioning and relations with the hierarchizational organization of institutions throughout the city.

The conditions and characteristics of these (institutional inter)spaces determine the categorization as space and its established effect. Often this implies a certain degree of fragmentation, making use of transitions and thresholds, to implement strategies of power to steer bodies through space. With additionally, a materialization of space which either confirms or differs the evoked effects. All together, the manifestation of relations establishes a (premeditated) effect, as sensation/experience of relations, which shape bodies' conceptions and performances through space.

To operationalize, the approach is tested in the specified location within the Greater City of London, at the site of intersection of The Mall, Trafalgar Sq, Northumberland Ave, and Whitehall. Wherein it responds to the multiscalarity of relations, making use of the proximity of hierarchical guidelines, the concatenation of different processes, and the assembly of divergent conditions.

Here, the in-between was defined as the (changing) product as resulting from different scales and layers of relation. Specifically, the approximation showed the importance of the Admiralty Arch in the connection of different

processes and conditions. The result of processes was researched in its relations with interfacial, interspatial characteristics and the conditions of spaces. What became evident, between different fragments, was the role of depth, height/scale, materiality, transits, contrasts, and staging, in the constitution of divergent energetic, experiential relations within the in-betweens of bodies and spaces. By closely analysing how these relations result into the approximated effect, the in-between can be (re)considered.

The operationalization of a (de)construction, would include the strategization of architecture as the diffuser of in-between relations.

Based on the theoretic research, this would include the intensification of heterogeneity in the institutional interspaces.

Additionally, for achieving an architecture of affect, the increasing of fragmentational conditions, to establish relations of contrast and divergence (of architectural characteristics/materialities).

The diffusion of in-between relations, ultimately, derives from an architecture of fragmentation. Consisting of applications of typological fragments (resembling the heterogeneity of the institutional interspaces), contrasts and divergences within conditions (affect), and the collaging/assembling of layers of relation.

The affectiveness of this fragmentation could be further emphasized within the experience and sensation by integrating interdependence, subtlety, suggestivity, and sensority within the architectural design.

To conclude, as reflection on the posed research question. There is no single answer, in finding an architecture of affect that goes beyond the othering of bodies. However, by all means, the systemics of othering within spatial practices should be nullified. The philosophical approach of an in-between as nullification of dichotomies, could enable an architecture of affect within this essence. An increasing heterogeneity in contemporary cities is an unavoidable perspective, within which a potential alternative might rest.

The diffusion of the in-between relations,

with the intensification of heterogeneous conditions of cities, could potentially establish relations of bodies that go beyond the self.

But for the strategization and operationalization of this affect, by means of architecture, there is no predetermined definition of how this could potentially be established. Therewith, the operationalization proposes the use of existing conditions to establish recurrency within the relations. These conditions can either be intensified/complexified/diffused, based on the approximation and the application of the intended effects. Making use of fragmentation, divergence and contrast, to establish diffusions and heterogeneity, with the architecture of affect, to establish a (re) construction of relations from within its in-between, to establish a potential beyond of othering.

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**(DE)CONSTRUCTING POWER IN THE INSTITUTIONAL INTERSPACE
CONTROLLING IN-BETWEEN RELATIONS OF POWER, BODIES, ARCHITECTURES AND CITIES**

Keywords: affect, bodies, effect, heterogeneous city, in-between, interface, interspace, institutions, model of relations, othering practices, power.

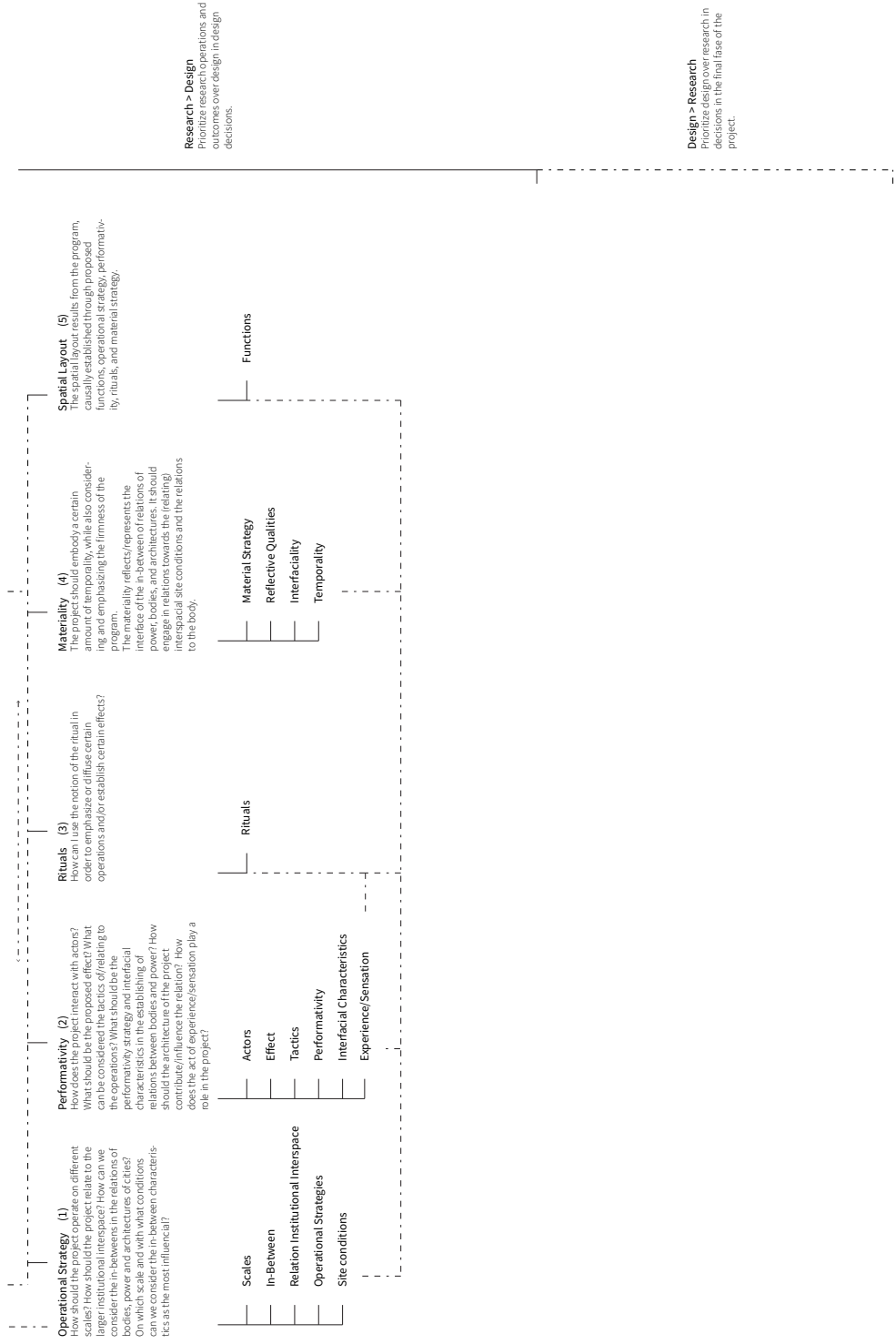
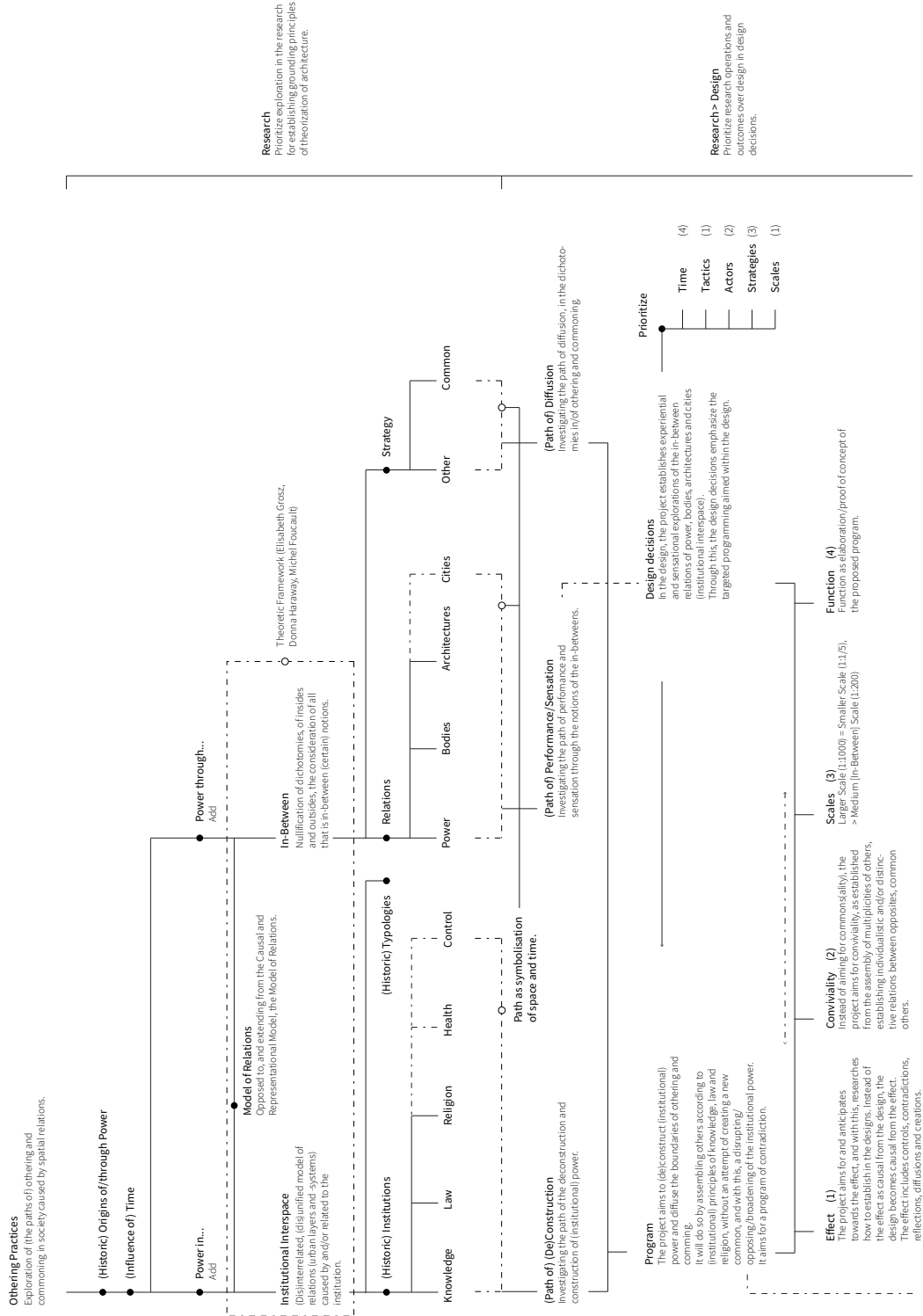


Fig. 1 - Design Thinking Diagram

Schematic approximation of path of research and design. With the proposed
prioritization of design decisions, and its relations with research.

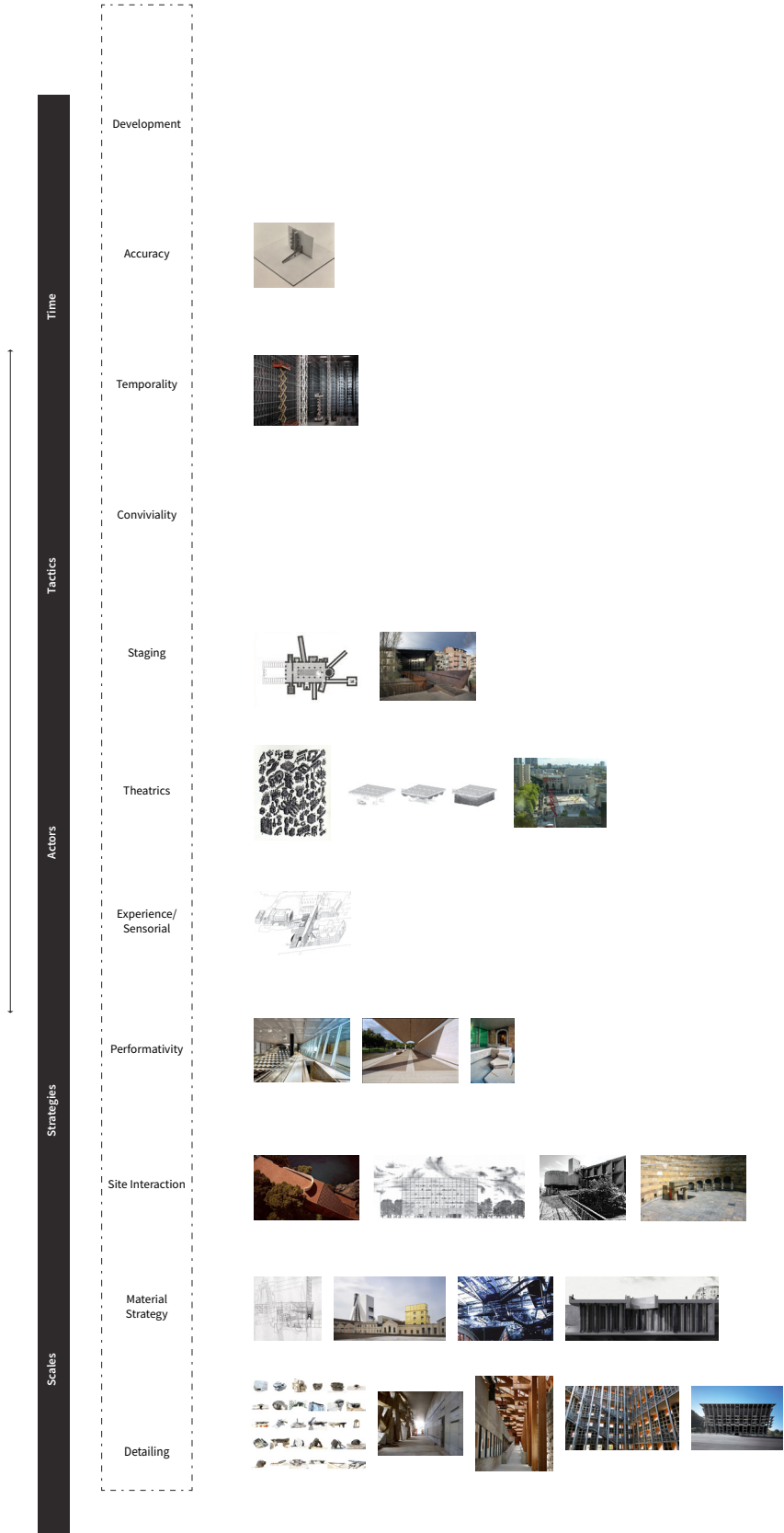


Fig. 2 - Operational Matrix/Precedent Inventory
Inventarisation of operationality (scales, strategies, actors, tactics, time) and catagorization of a selection of case study projects.

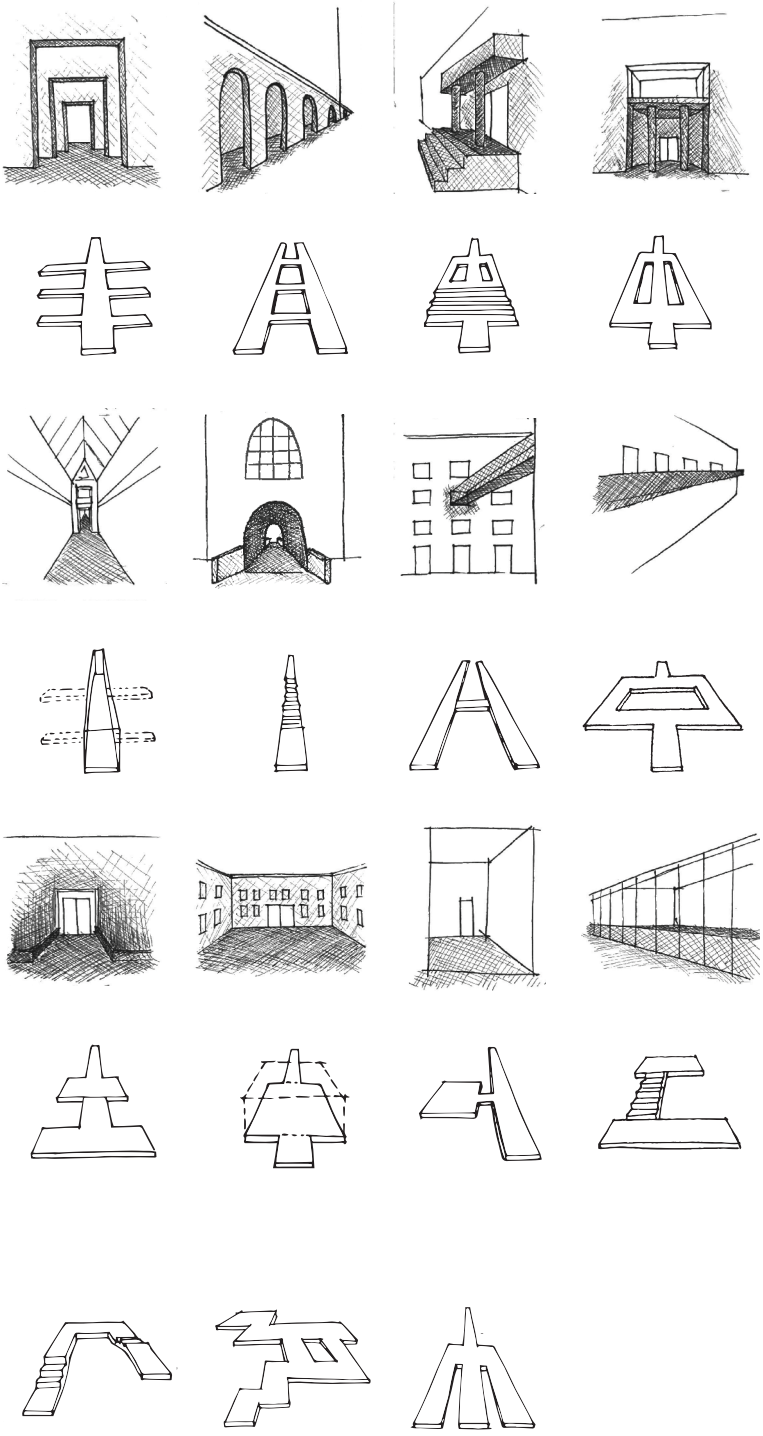


Fig. 3 - Institutional Typologies and Strategies
Architectural typologies and the potential embedded strategies of establishing relations as the interface between bodies and power.

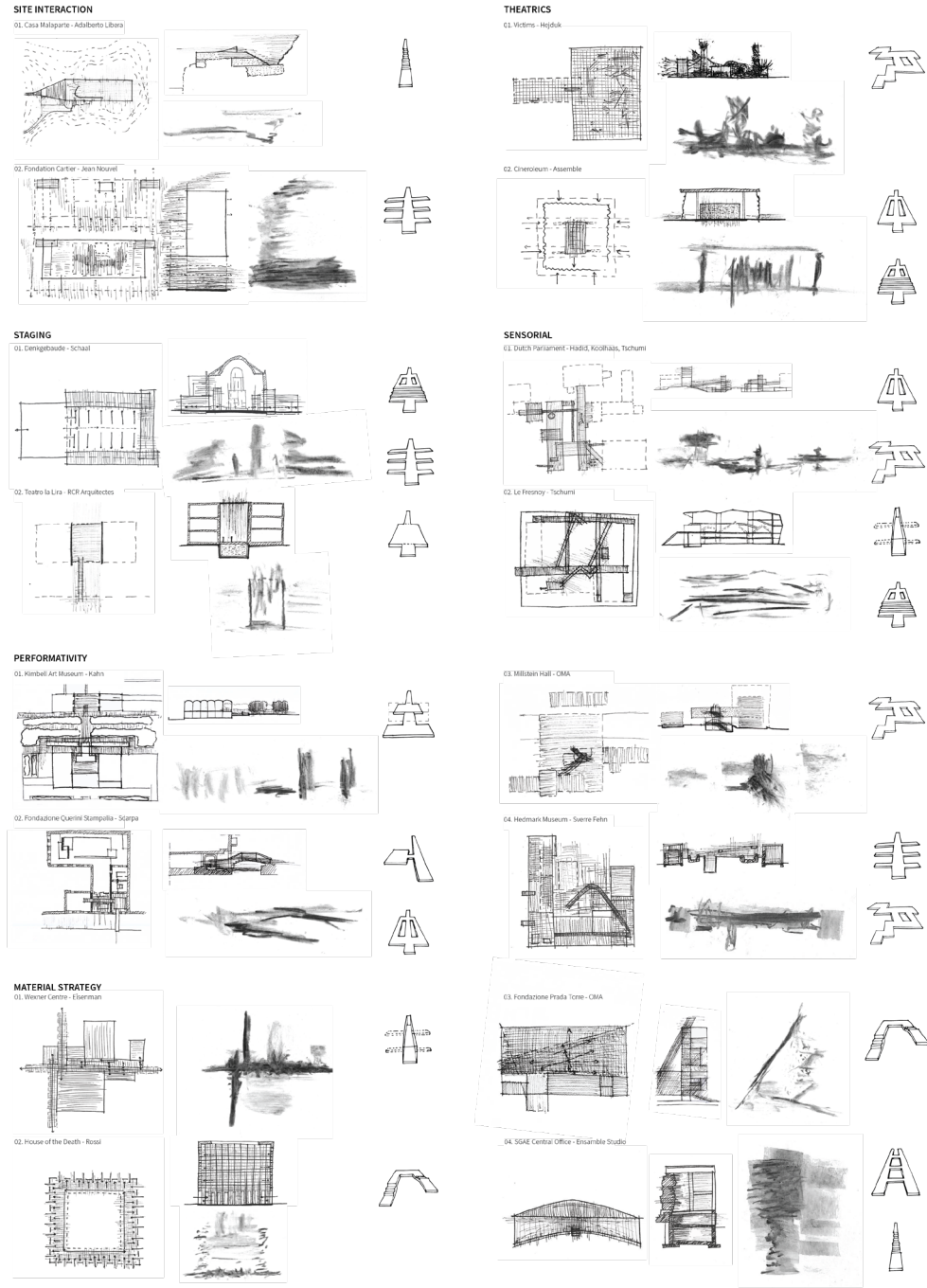


Fig. 4 - Case Studies of Application Institutional Typologies and Strategies
Analysis of the application of operationality within the selected case study projects, and the potential use of (changing) strategies as tool to establish certain relations/effects.

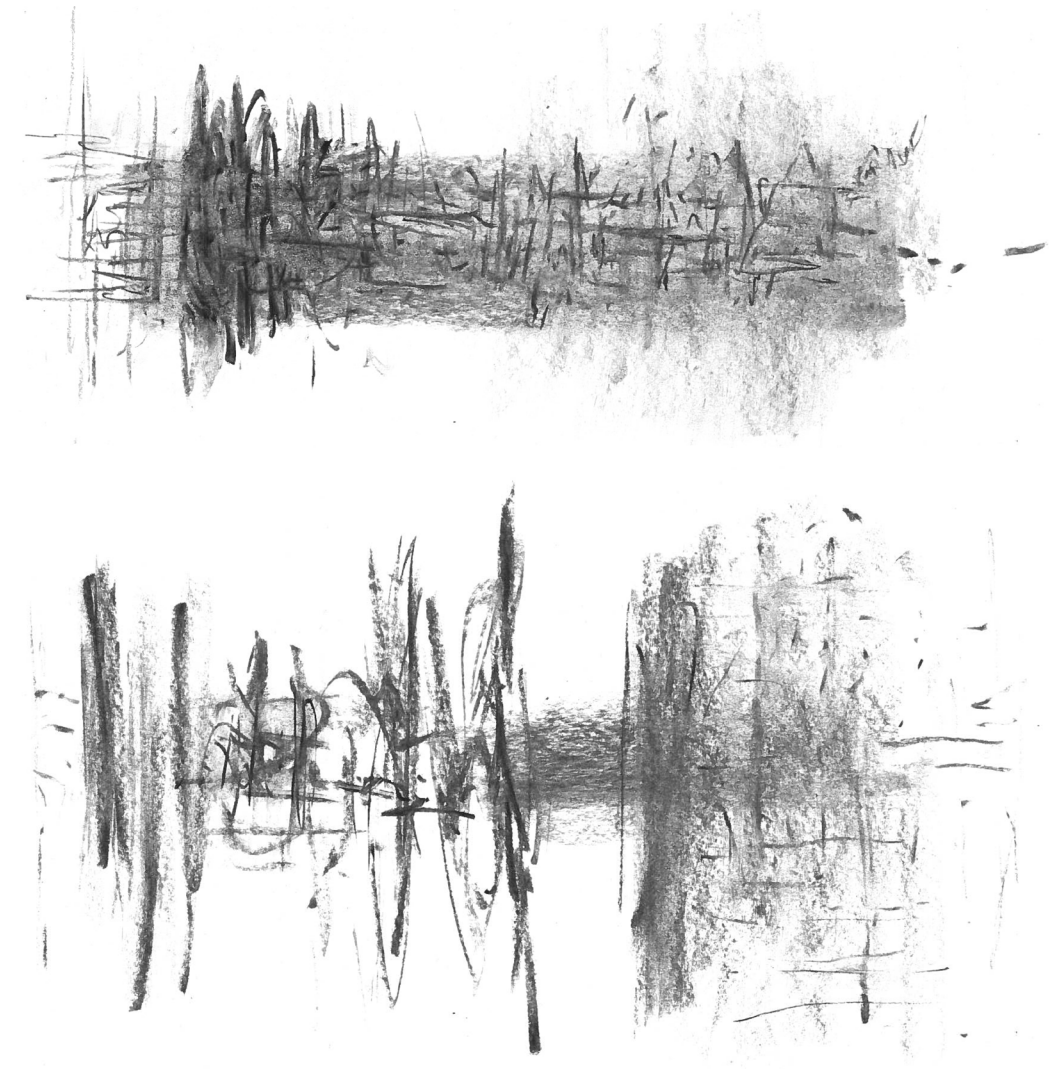


Fig. 5 - Approximation Proposed Effect Intervention
Approximation of the anticipated effect as consequential result of the proposed intervention.

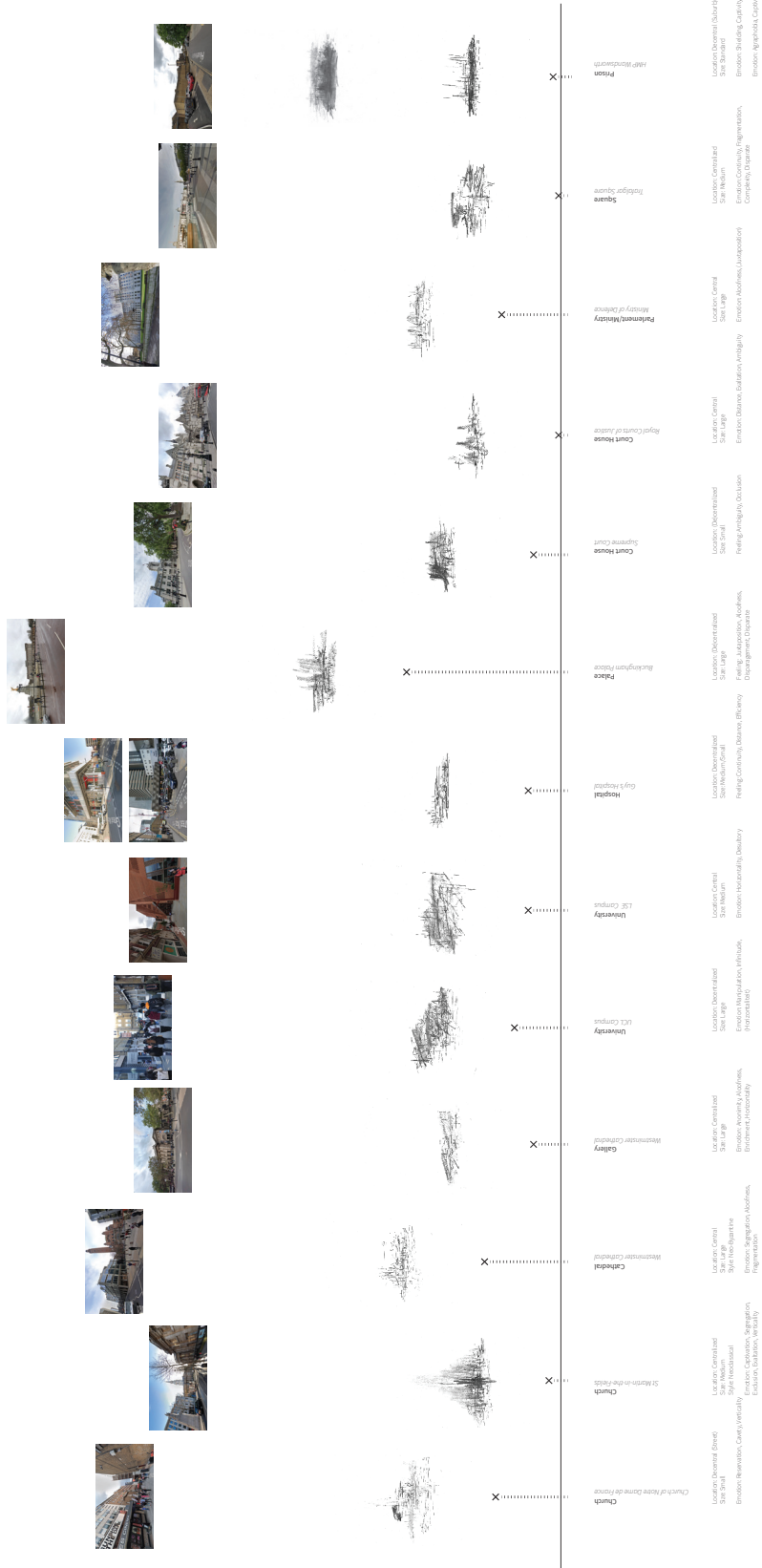


Fig. 6 - Typological Effect Analysis Institutions
Explorative analysis of in-between relations of Institutions of Religion, Knowledge, Health, Power and their potential effect on bodies within the relations.

- Agoraphobia 1
- Aloofness 4
- Ambiguity 2
- Anonymity 1
- Captivation 1
- Captivity 1
- Cavity 1
- Complexity 1
- Concealment 1
- Continuity 2
- Desultory 1
- Disparagement 1
- Disparate 2
- Distance 2
- Efficiency 1
- Enrichment 1
- Exaltation 2
- Exclusion 1
- Fragmentation 1
- Horizontality 3
- Infinite 1
- Juxtaposition 2
- Manipulation 1
- Occlusion 1
- Reservation 1
- Segregation 2
- Shielding 1
- Verticality 2

Fig. 7 - Linguistic Analysis Institutional Effect
Approximation of effects within the institutional interspace, and the potential specification of characteristics of different in-between relations.



Fig. 8 - Linguistic Inventory of Experiences/Sensations
Inventorization of effects as found within the institutional interspace, and the potential specification of characteristics of different in-between relations of affect.



Fig. 9 - Approximation Institutional Effect (A)

Explorative analysis of in-between relations of Institutions of Religion, Knowledge, Health, Power and their potential effect on bodies including the relations with the city.

Scale 1:12500





Fig. 10 - Approximation Institutional Effect (B)
Explorative analysis of in-between relations of Institutions of Religion, Knowledge, Health, Power and their potential effect on bodies including the relations with the city.



Fig. 11 - Approximation Transitioning Institutional Effect (D)
Result of the explorative analysis of the in-between relations of institutions, and the transitioning of their effect within the city.



Fig. 12 - Approximation Institutional Effect (C)
Explorative analysis of in-between relations of Institutions of Religion, Knowledge, Health, Power and their potential effect on bodies including the relations with the city.

01 Effect

Early in the design stage, the study of effects resulted in an exploration of the architectural intervention which consisted of a sequence of smaller interventions which all established different effects.

Later, more specifically, the translation of effects to an architectural operability, was done making use of a linguistic inventurization as descriptive tool of the effects (Fig. 12). These terms were used to more specifically research the characteristics of the area of the intervention. Additionally, these linguistic terms were translated into atmospheres and characteristics, specifically translated/relating selected precedents (Fig. 13, 14). These formed the initial basis of design explorations (programmatically, materially, sensory, atmospheric, etc.), which together with an operationalization of characteristics and a variety of effects. These together enabled the first explorations towards the operationalization of an architecture of affect.

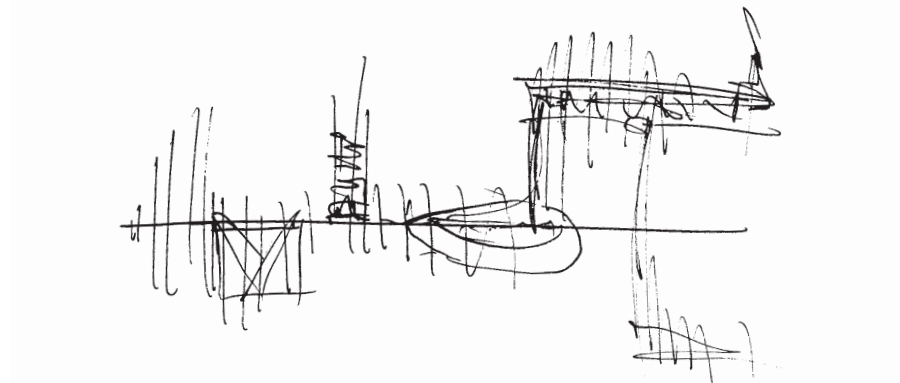


Fig. 13 - Exploration Architectural Sequence

Section illustrating the change of effects. Resulting from a.o. directionality, levels, proportions.

Ambiguity



Ensemble Studio (2016), Structures of Landscape, United States, Fishtail.



Walter Pichler (1936–2012), study for an Underground City, 1960–1964. Pen and ink and photo collage on wove paper, 300 × 350 mm. DMC 2367.



John Hejduk (1929–2000), Project A, Diamond House, 1969. Offset lithograph print, 458 × 458 mm. DMC 2303.a7.

Juxtaposition



Sverre Fehn (2009), Hedmark Museum, Norway.



Frank Lloyd Wright (1867–1959), cast-concrete block, Midway Gardens, Chicago, c.1914. Cast concrete. DMC 1414.

Agoraphobia



Peter Zumthor (2007), Kolumba Diocesan Museum, Germany.

Fragmentation



Umwelt (2009), Transmission Central, Chile.

Infinitude



Peter Eisenman (1989), Wexner Center, United States, Ohio.



Bruther, Baukunst (2020), Student Residence and Reversible Car Park, France.

Manipulation



Zaha Hadid, Rem Koolhaas, Elias Zenghelis (1978), Dutch Parliament Extension, The Netherlands.

Threshold



John Hejduk (1973), Wall House 2 (A. E. Bye House) Project, Ridgefield, Connecticut (isometric projection).

Directionality



Le Corbusier (1963), Carpenter Center for Visual Arts, United States.



James Stirling (1980), Neue Staatsgalerie, Stuttgart, Germany.

Fig. 14 - Precedent Inventory Institutional Effects

Precedent reflections on and/or translations of the effects as found within the institutional interspaces

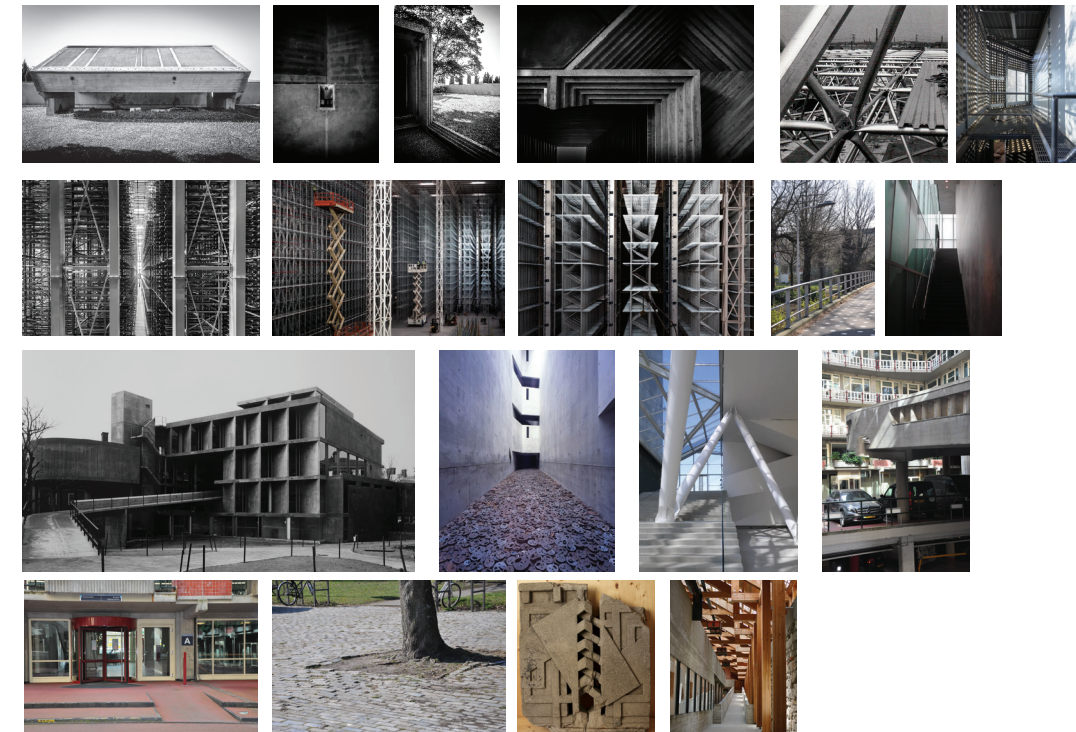


Fig. 15 - Precedent Inventory Approximation Material Strategy

Inventurization of precedents based on a variety of principles (materiality, detailing, atmospheres, accessibility, levels, transitions) that are aimed to be integrated within the proposed material strategy.

02 Drawing Methodology

During the (research and) design explorations, I explored different drawing techniques to explore how to best research the phenomenological aspects within the project. Earlier within the research, charcoal was used to explore theoretic ideas as found within, and resulting form the research. This technique was later tested and explored within the research of different precedents (Fig. 4). In this stage, the research was still rather literal.

Later in the research and design phase, the use of drawing techniques was explored in order to better grasp how the use of the drawings could be used to develop an operationality within the project.

First, with the analysis and approximations of the institutional' effects (Fig. 6 till 12). Which were later translated to inventorize and catagorize the different effects and how these could be used in the following design steps. Later, with the analysis of the site location making use of a color system indicating different layers within a potential approximation of the in-between relations.

The drawings sessions were recorded in order to better understand the conducted steps within the making of the drawings (Fig. 16, 17, 18).

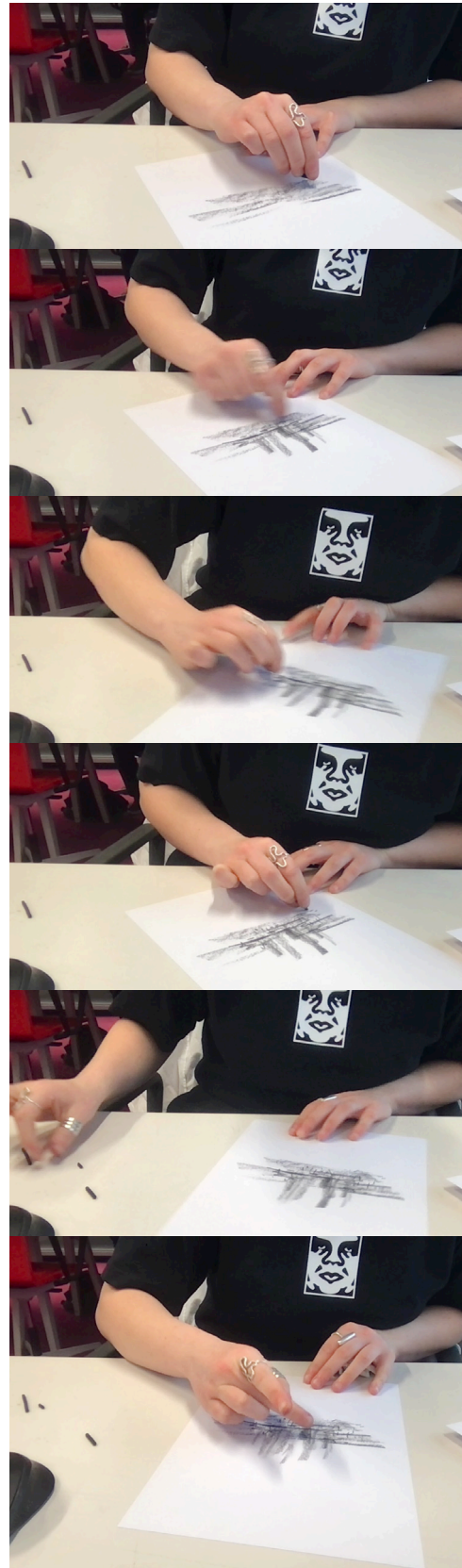


Fig. 16 - Drawing Method (Charcoal) Snapshots

Explorative analysis of the typological effect of institutions. Herein, the use of charcoal to express the effect of institutions, as result of characteristics and conditions, was explored.

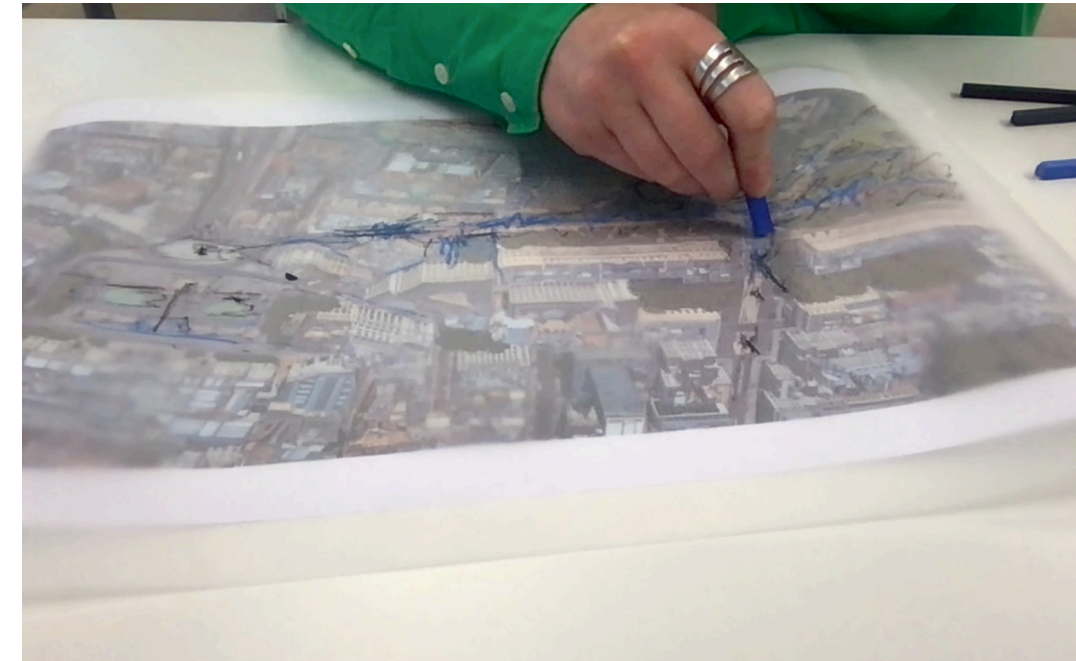


Fig. 17 - Drawing Method (Pastels) Snapshots (A)

Explorative analysis of site conditions, characteristics, and their effects. Compared to the drawing technique with charcoal, the pastels bring more (readable) layers of information within the analysis.



Fig. 18 - Drawing Method (Pastels) Snapshots (B)

Explorative analysis of site conditions, characteristics, and their effects. Compared to the drawing technique with charcoal, the pastels bring more (readable) layers of information within the analysis.

Legend

- Material Transits
- Levels (Cause)
- Levels (Effect)
- Hard Thresholds
- Soft Thresholds
- Charging
- Discharging
- Bodily Relations
- Theatrics/Staging (Temporal)



Fig. 19 - Situational Representation Site of Interest
By situation representation of the intersection of The Mall, Trafalgar Sq, Northumberland Ave, and Whitehall.

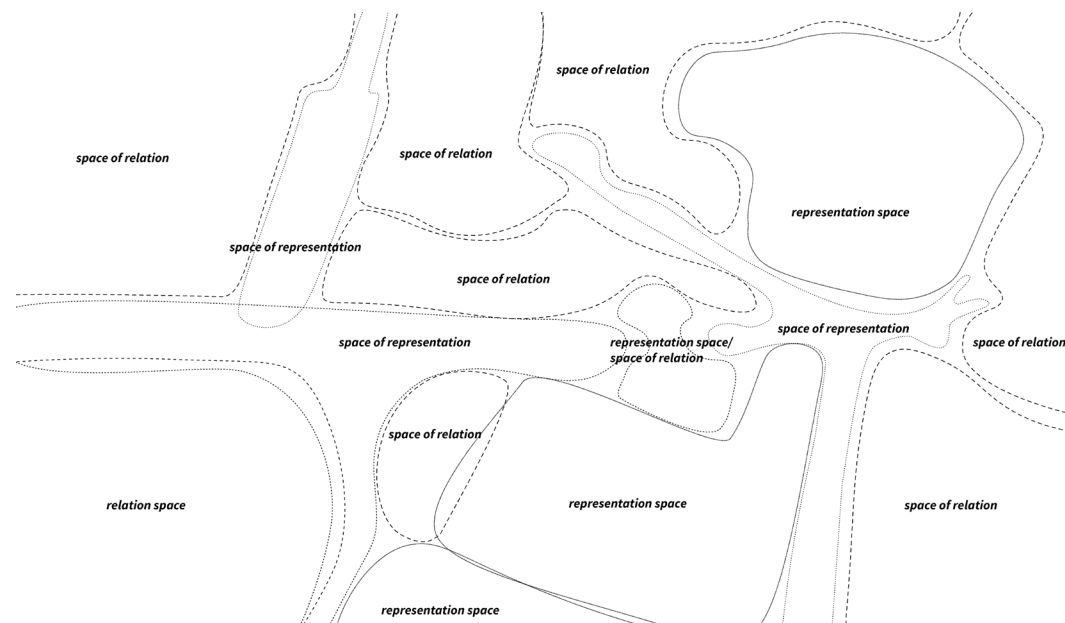
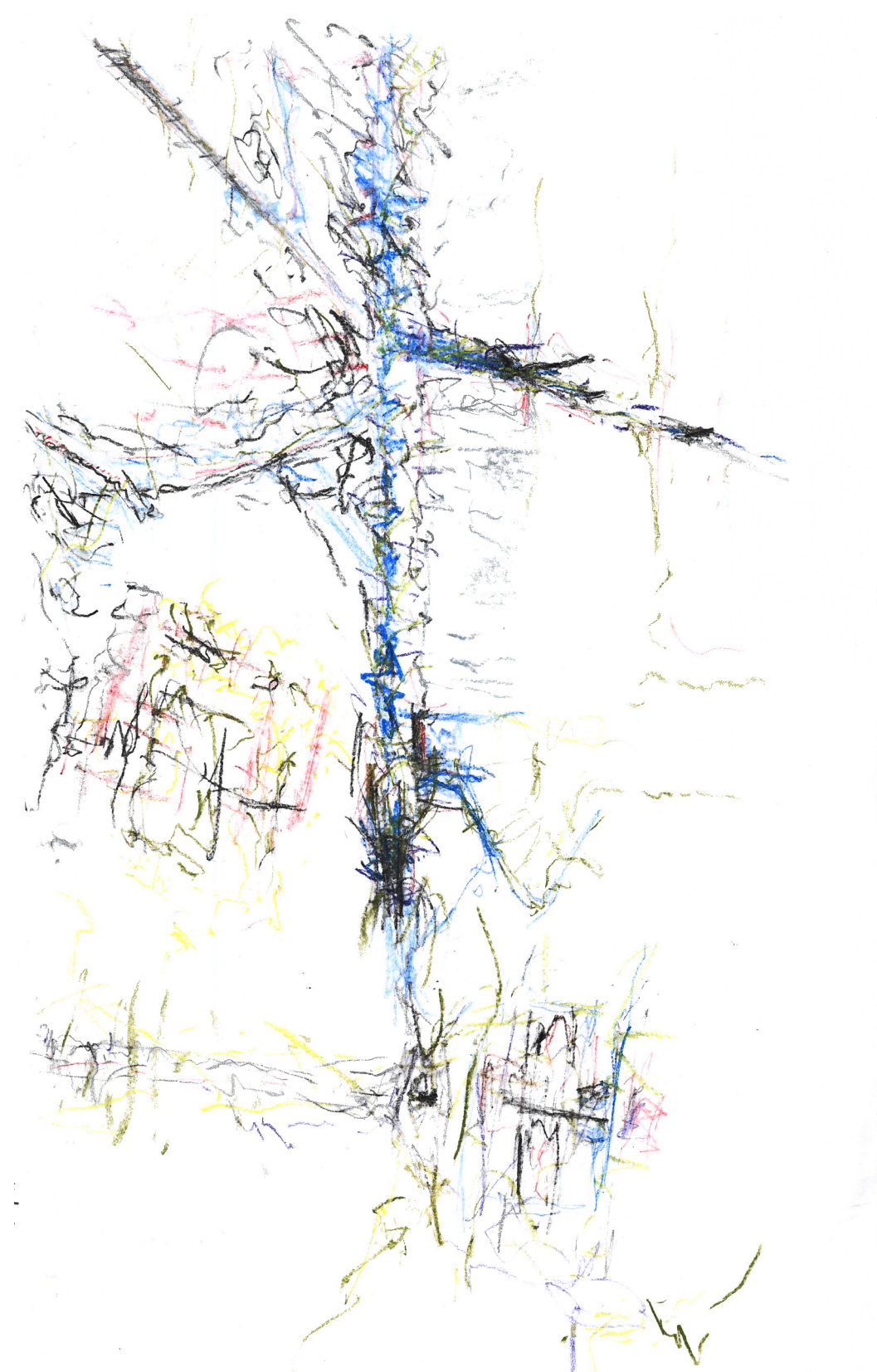


Fig. 20 - Schematic Approximation of the Institutional Interspaces
Approximation of the characteristics of spaces in their relations with the institutional interspaces (representation space, space of representation, relational space, spaces of relation).



- Legend
- Material Transits
 - Levels (Cause)
 - Levels (Effect)
 - Hard Thresholds
 - Soft Thresholds
 - Charging
 - Discharging
 - Bodily Relations
 - Theatrics/Staging (Temporal)

Fig. 21 - Representational Approximation In-Between Site of Interest
Approximation of the in-between in the site of interest, and its constitution through (the effect of) relations.



03 Exploration Operationality

During the Workshop Week, the target was to explore the potential application of the notion of the in-between, and investigate, with first steps, a more concrete understanding of how the notion of the in-between could be translated in an intervention strategy and design operationality.

Starting with, an analysis of the three transects which were defined crucial in understanding the in-between relations at the site of the interspace. The two-sided analysis of the transects showed the importance of the notion of directionality within transitions of city-city, city-passage, city-park area.

Then, a more extensive analysis of four transects (S,M ,L, Fig. 22). Wherein, it became apparent how the in-between relations varyate between different sites (block, street, area), and the specificity of their conditions.

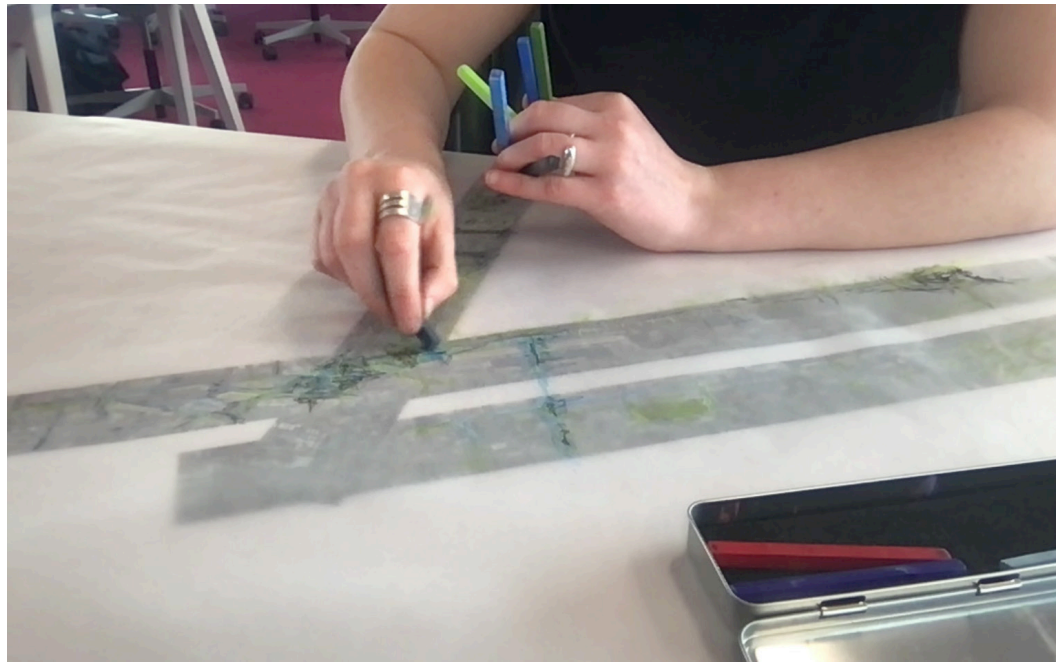


Fig. 22 - Drawing Method (Pastels) Snapshots (C)
Snapshot during the making of the approximations of the concatenation of conditions and processes, of potential in-between relations.

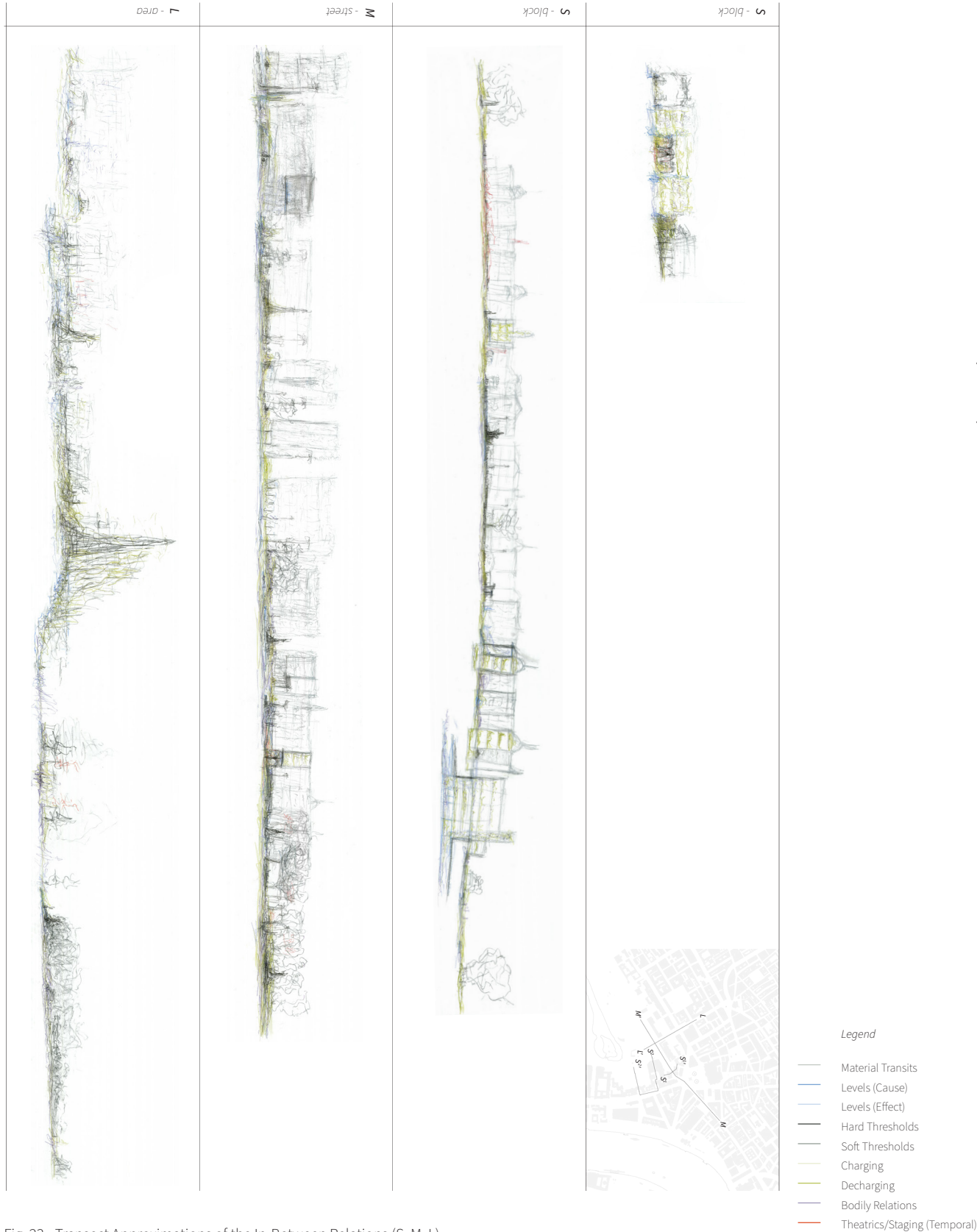


Fig. 23 - Transect Approximations of the In-Between Relations (S, M, L)
Explorative analysis of conditions, layers and processes resulting in the approximation of in-between relations at the intersection of The Mall, Trafalgar Sq, Northumberland Ave, Whitehall. Researching the relations in different scale sizes: block (S), street (M), and area (L).



Fig. 24 - Result Workshop Week Exploration Operationality (Zoom-In: A)
During the presentation of the material, the material was presented through overlapping layers. Including the approximations of the in-between, conclusive drawings analysis, linguistic catagorization of conditions, and precedent images of effects.



Fig. 25 - Result Workshop Week Exploration Operationality (Zoom-In: B)
During the presentation of the material, the material was presented through overlapping layers. Including the approximations of the in-between, conclusive drawings analysis, linguistic catagorization of conditions, and precedent images of effects.

⊖ Scale 1:6000,
+/- Scale 1:200

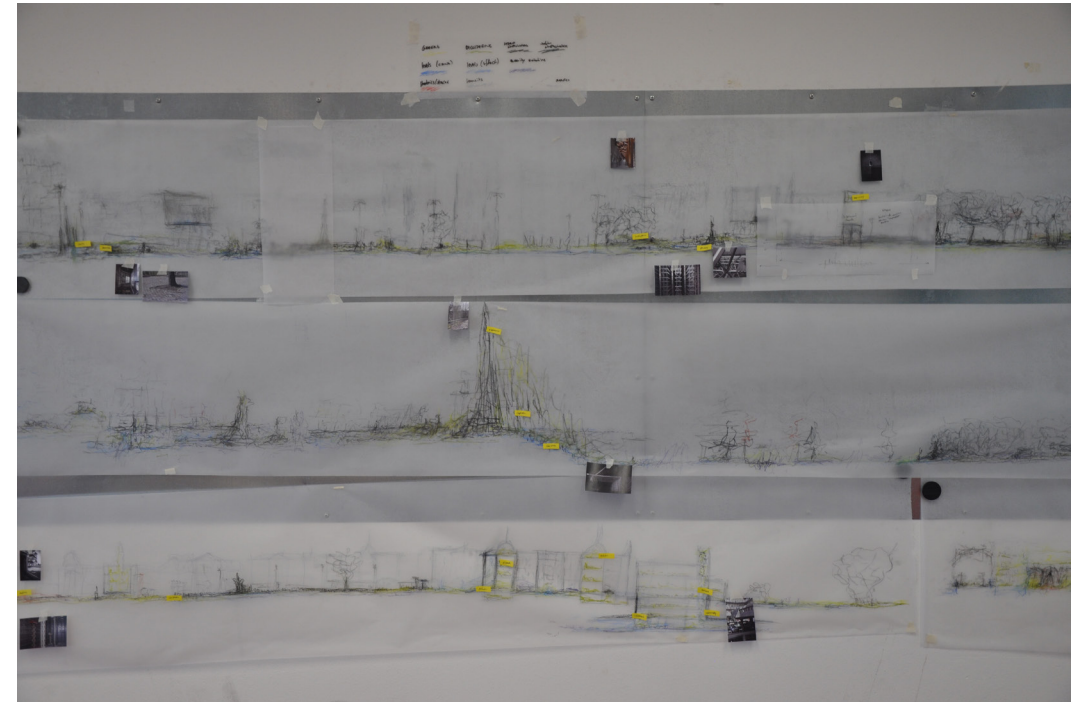


Fig. 26 - Result Workshop Week Exploration Operationality (Zoom-In: C)
During the presentation of the material, the material was presented through overlapping layers. Including the approximations of the in-between, conclusive drawings analysis, linguistic catagorization of conditions, and precedent images of effects.

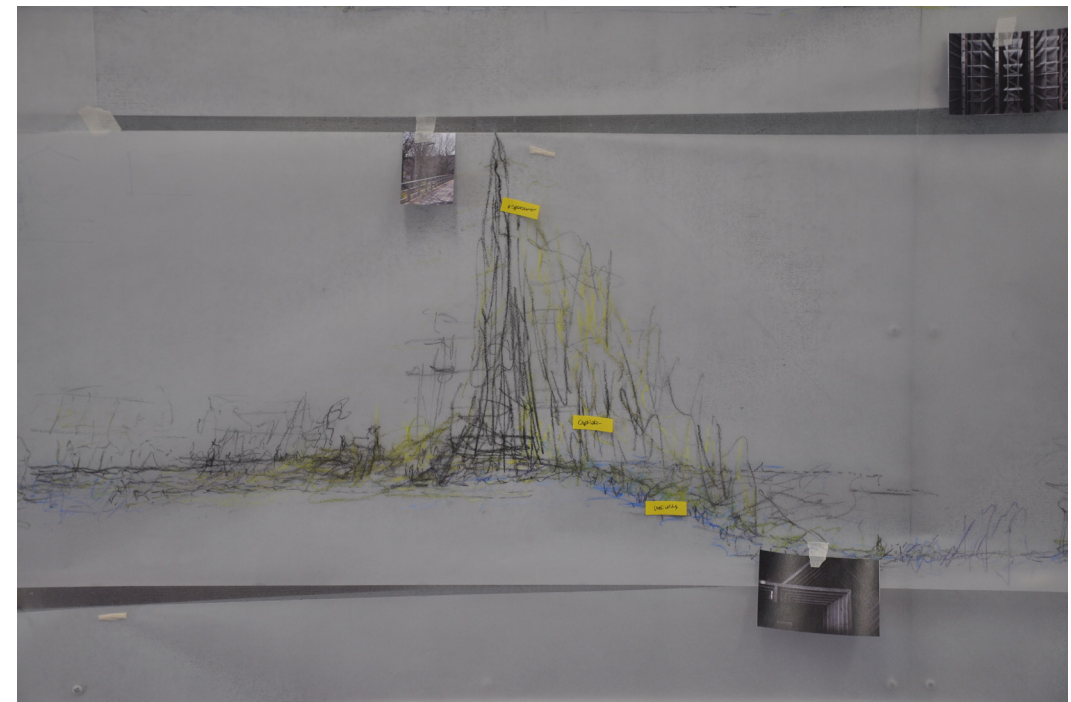


Fig. 27 - Result Workshop Week Exploration Operationality (Zoom-In: D)
During the presentation of the material, the material was presented through overlapping layers. Including the approximations of the in-between, conclusive drawings analysis, linguistic catagorization of conditions, and precedent images of effects.

⊖ Scale 1:6000,
+/- Scale 1:200

- Legend
- Material Transits
 - Levels (Cause)
 - Levels (Effect)
 - Hard Thresholds
 - Soft Thresholds
 - Charging
 - Discharging
 - Bodily Relations
 - Theatrics/Staging (Temporal)



- Legend
- Material Transits
 - Levels (Cause)
 - Levels (Effect)
 - Hard Thresholds
 - Soft Thresholds
 - Charging
 - Discharging
 - Bodily Relations
 - Theatrics/Staging (Temporal)

Fig. 28 - Result Workshop Week Exploration Operationality (Overview)

During the presentation of the material, the material was presented through overlapping layers. Including the approximations of the in-between, conclusive drawings analysis, linguistic categorization of conditions, and precedent images of effects. In the end, certain fragments were highlighted to emphasize specific conditions of interest.

Scale 1:6000,
+/- Scale 1:200





Fig. 29 - Result Workshop Week Exploration Operationality (Zoom-In: A)
During the presentation of the material, the material was presented through overlapping layers. Including the approximations of the in-between, conclusive drawings analysis, linguistic catagorization of conditions, and precedent images of effects. In the end, certain fragments were highlighted to emphasize specific conditions of interest.



Fig. 30 - Result Workshop Week Exploration Operationality (Zoom-In: B)
During the presentation of the material, the material was presented through overlapping layers. Including the approximations of the in-between, conclusive drawings analysis, linguistic catagorization of conditions, and precedent images of effects. In the end, certain fragments were highlighted to emphasize specific conditions of interest.

Scale 1:6000,
+/- Scale 1:200



Fig. 31 - Result Workshop Week Exploration Operationality (Zoom-In: C)
During the presentation of the material, the material was presented through overlapping layers. Including the approximations of the in-between, conclusive drawings analysis, linguistic catagorization of conditions, and precedent images of effects. In the end, certain fragments were highlighted to emphasize specific conditions of interest.



Fig. 32 - Result Workshop Week Exploration Operationality (Zoom-In: D)
During the presentation of the material, the material was presented through overlapping layers. Including the approximations of the in-between, conclusive drawings analysis, linguistic catagorization of conditions, and precedent images of effects. In the end, certain fragments were highlighted to emphasize specific conditions of interest.

Scale 1:6000,
+/- Scale 1:200

- Legend
- Material Transits
 - Levels (Cause)
 - Levels (Effect)
 - Hard Thresholds
 - Soft Thresholds
 - Charging
 - Discharging
 - Bodily Relations
 - Theatrics/Staging (Temporal)

The speculative analysis and approximation of the in-between, gradually resulted in a sense of space, operability, materiality, and sensations/experiences, which were represented with the use of linguistic categorization of space (resembling the

institutional effects, of Fig. 6, 7), and case study projects (Fig. 2, 14, 15). Similarly, the relations, coherences, and sequences, of different spaces, processes and identities, resulted in a first draft intervention proposal (Fig. 33).

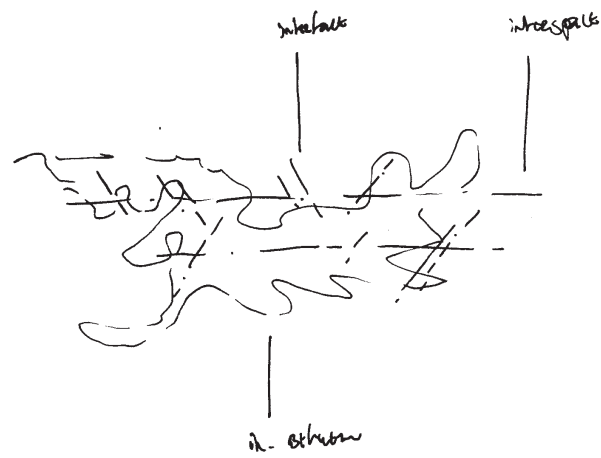
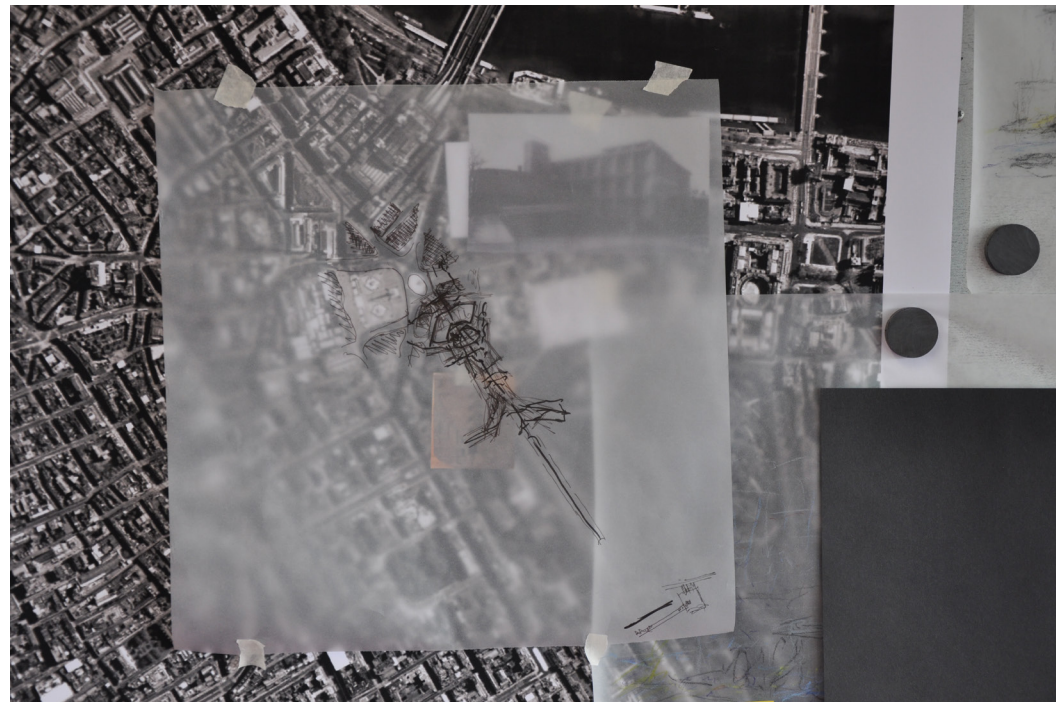


Fig. 33 - Exploration Operability In-Between
Exploration of the potential construction and operability of in-betweens.



Scale 1:6000

Fig. 34 - Exploration Sequence Intervention Workshop Week
Exploration sequential intervention responding to both site' conditions and in-between relations, as resulted from the analysis of the workshop week.



- Legend
- Material Transits
 - Levels (Cause)
 - Levels (Effect)
 - Hard Thresholds
 - Soft Thresholds
 - Charging
 - Discharging
 - Bodily Relations
 - Theatrics/Staging (Temporal)

Fig. 35 - Conclusion Analysis In-Between Relations Workshop Week
Exploration sequential intervention responding to both site' conditions and in-between relations, as resulted from the analysis of the workshop week.

04 Sensory Research Excursion

In the workshop, an excursion was set-up to investigate the sensory experience of public space, and the importance of materiality, accessibility, signing, transitions, and most importantly, awareness.

All material was collected, together with a recordance of the public spaces. The material was collected following a transect, transitioning from the 'outside condition' to the 'inside condition' of the public spaces.

Excursion and production of the material was executed in collaboration with Noor Boreel. Boreel, with her research, focussed on the sensories, taking into consideration the disabled (wheelchair dependent, blind, visually impaired, deaf).

Early on, the ideologies of Jeremy White' *Edges; Body, Space, and Design*, triggered the initial fascinations for the specificity of research. White expressed the (impossible) complex task to design for the human body, considering not the standardised body, but recognizing all the bodies' possible limitations.

Resulting from the research, was the potential of designing buildings for a plurality, instead of a singular unity. Making use of separate pathways, focussing on divergences amongst (human) bodies.

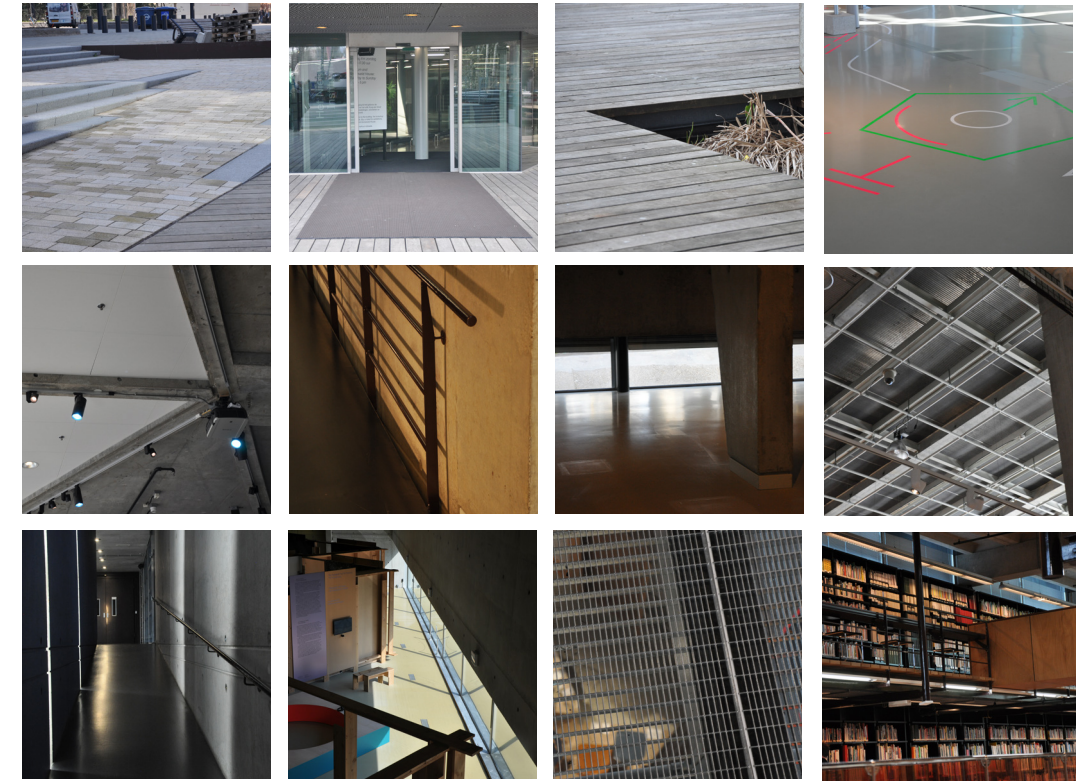


Fig. 36 - Collaging the Sensoric: an Approximation of Public Spaces: Het Nieuw Instituut, Rotterdam



Fig. 37 - Approximation In-Between: Het Nieuw Instituut, Rotterdam

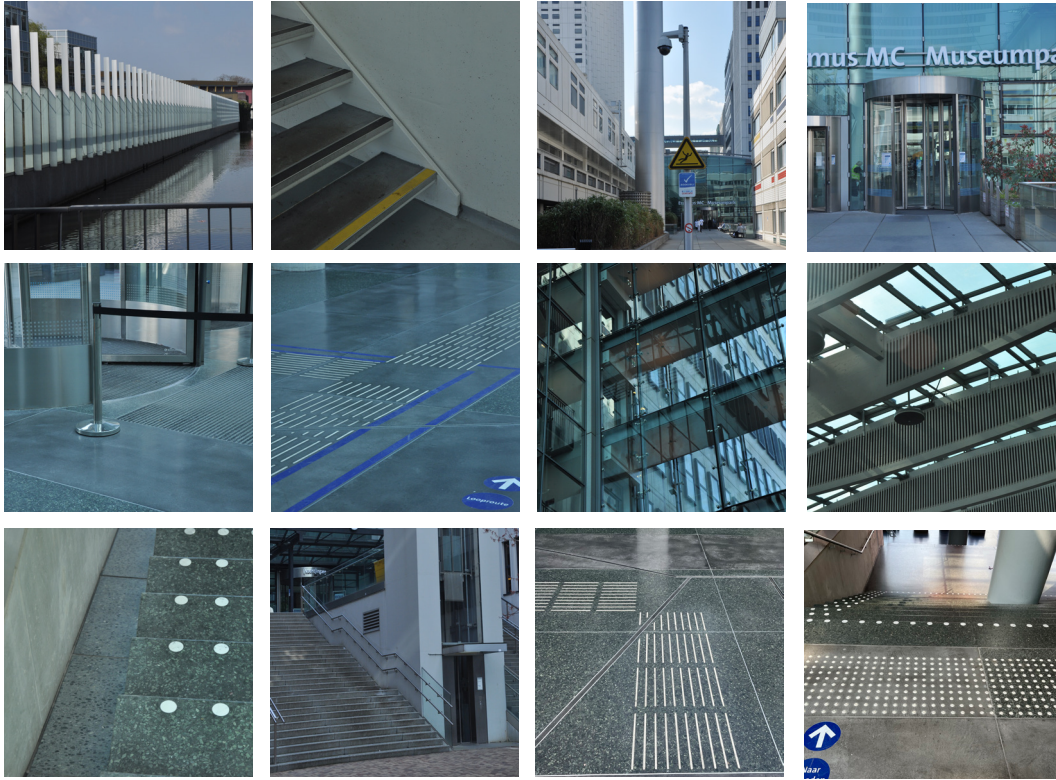


Fig. 38 - Collaging the Sensoric: an Approximation of Public Spaces: Kubuswoningen (Rotterdam)



Fig. 39 - Approximation In-Between: Kubuswoningen (Rotterdam)



Fig. 40 - Collaging the Sensoric: an Approximation of Public Spaces: Kunsthall (Rotterdam)

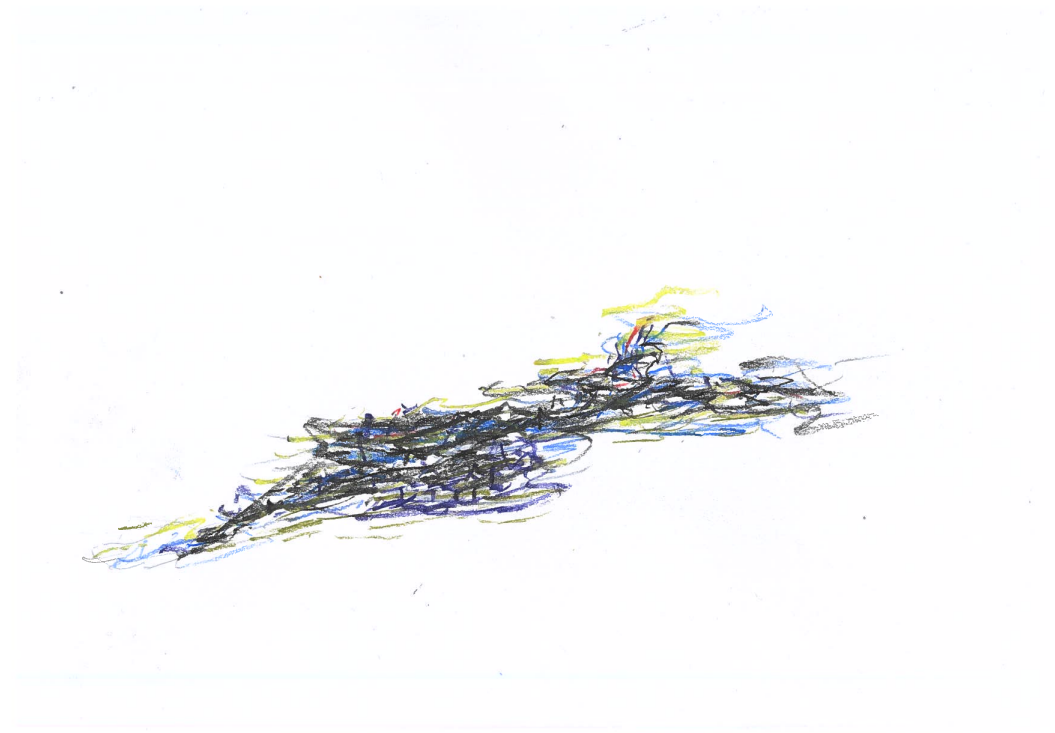


Fig. 41 - Approximation In-Between: Kunsthall (Rotterdam)



Fig. 42 - Collaging the Sensoric: an Approximation of Public Spaces: Erasmus MC Hospital (Rotterdam)

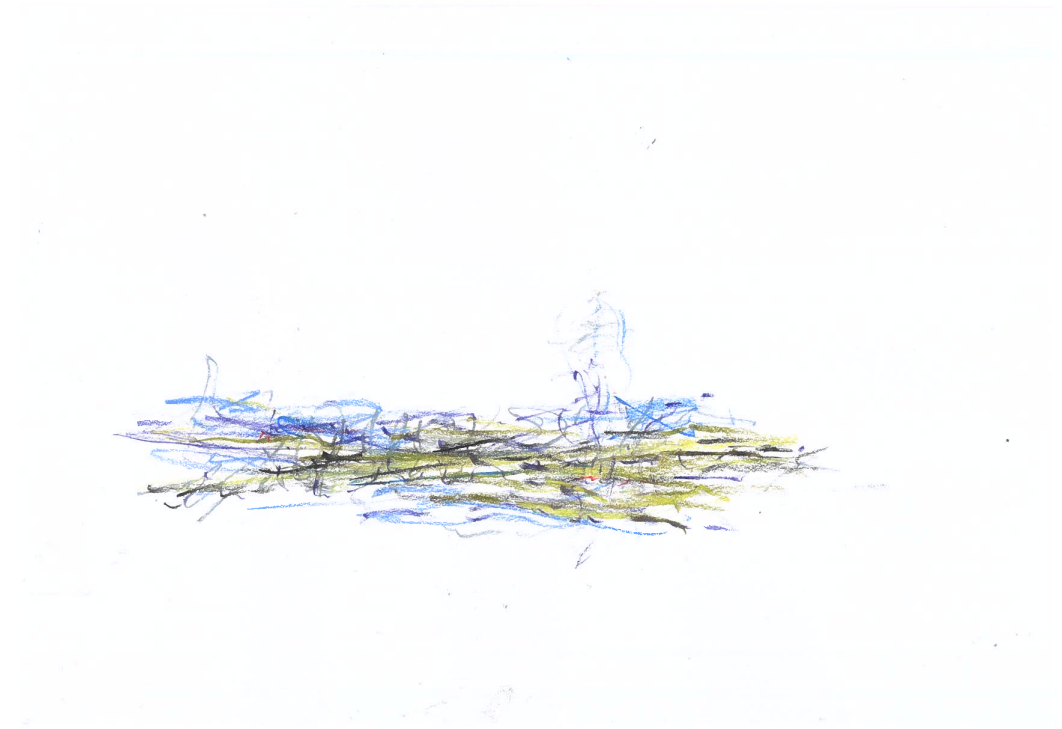


Fig. 43 - Approximation In-Between: Erasmus MC Hospital (Rotterdam)



Fig. 44 - Collaging the Sensoric: an Approximation of Public Spaces: Groothandelsgebouw (Rotterdam)



Fig. 45 - Approximation In-Between: Groothandelsgebouw (Rotterdam)

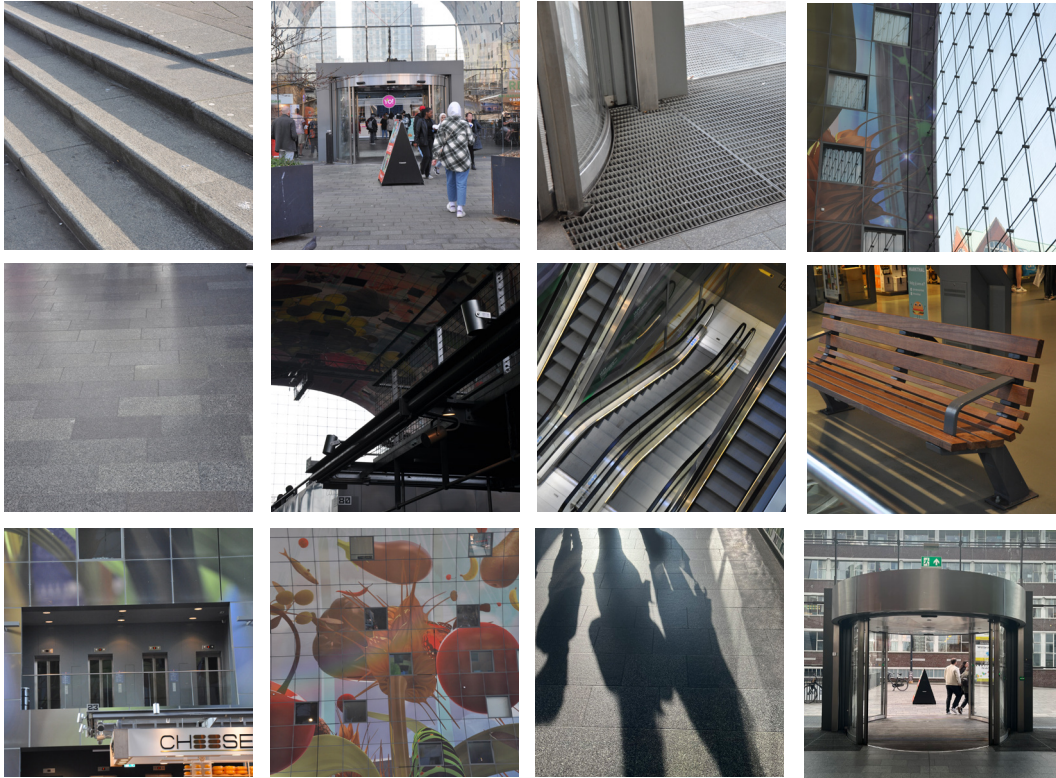


Fig. 46 - Collaging the Sensoric: an Approximation of Public Spaces: Markthal (Rotterdam)



Fig. 47 - Approximation In-Between: Markthal (Rotterdam)

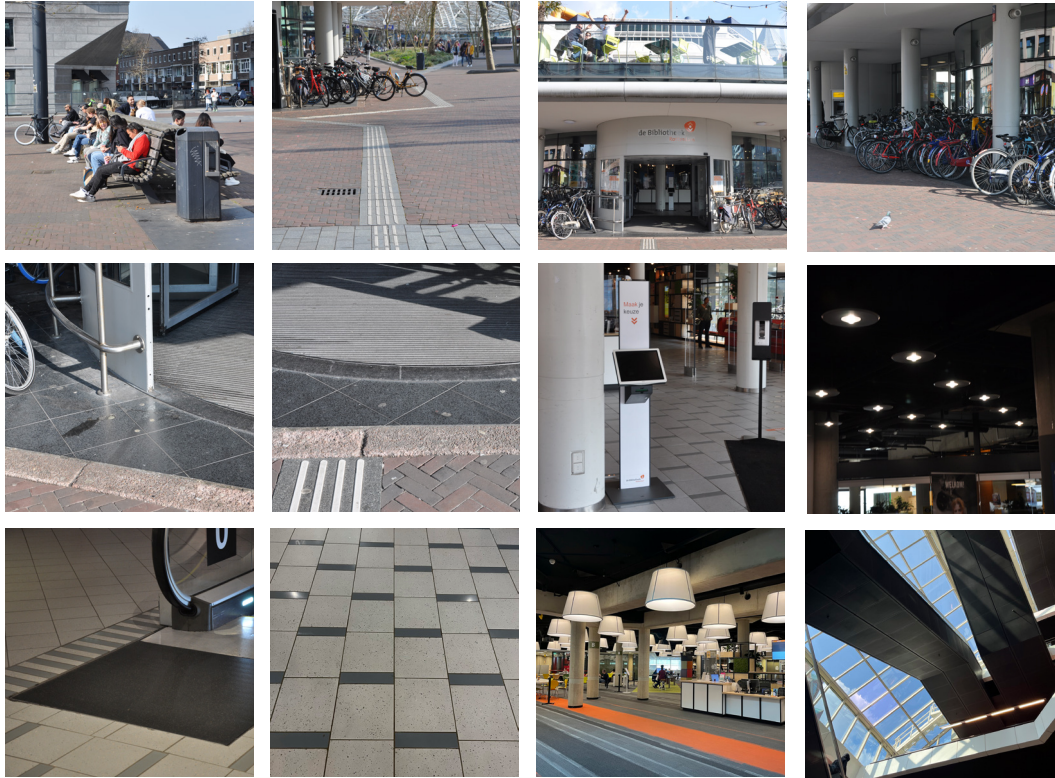


Fig. 48 - Collaging the Sensoric: an Approximation of Public Spaces:Central Library (Rotterdam)



Fig. 49 - Approximation In-Between: Central Library (Rotterdam)

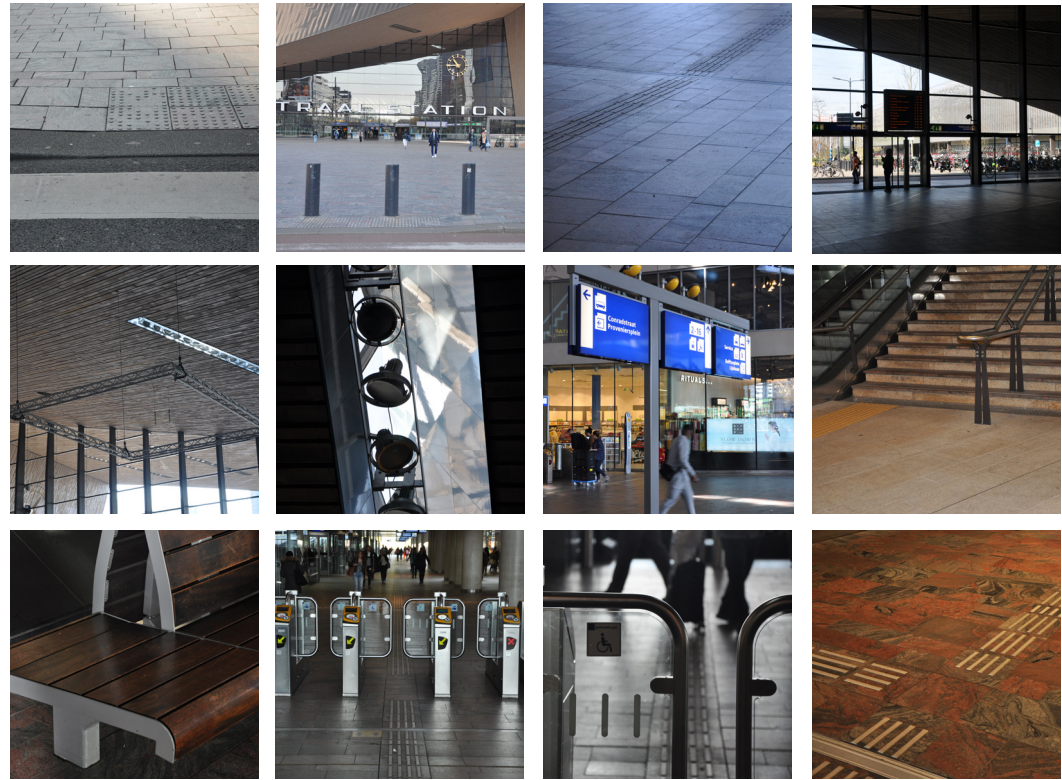


Fig. 50 - Collaging the Sensoric: an Approximation of Public Spaces: Rotterdam Central Station, Rotterdam



Fig. 51 - Approximation In-Between: Rotterdam Central Station, Rotterdam

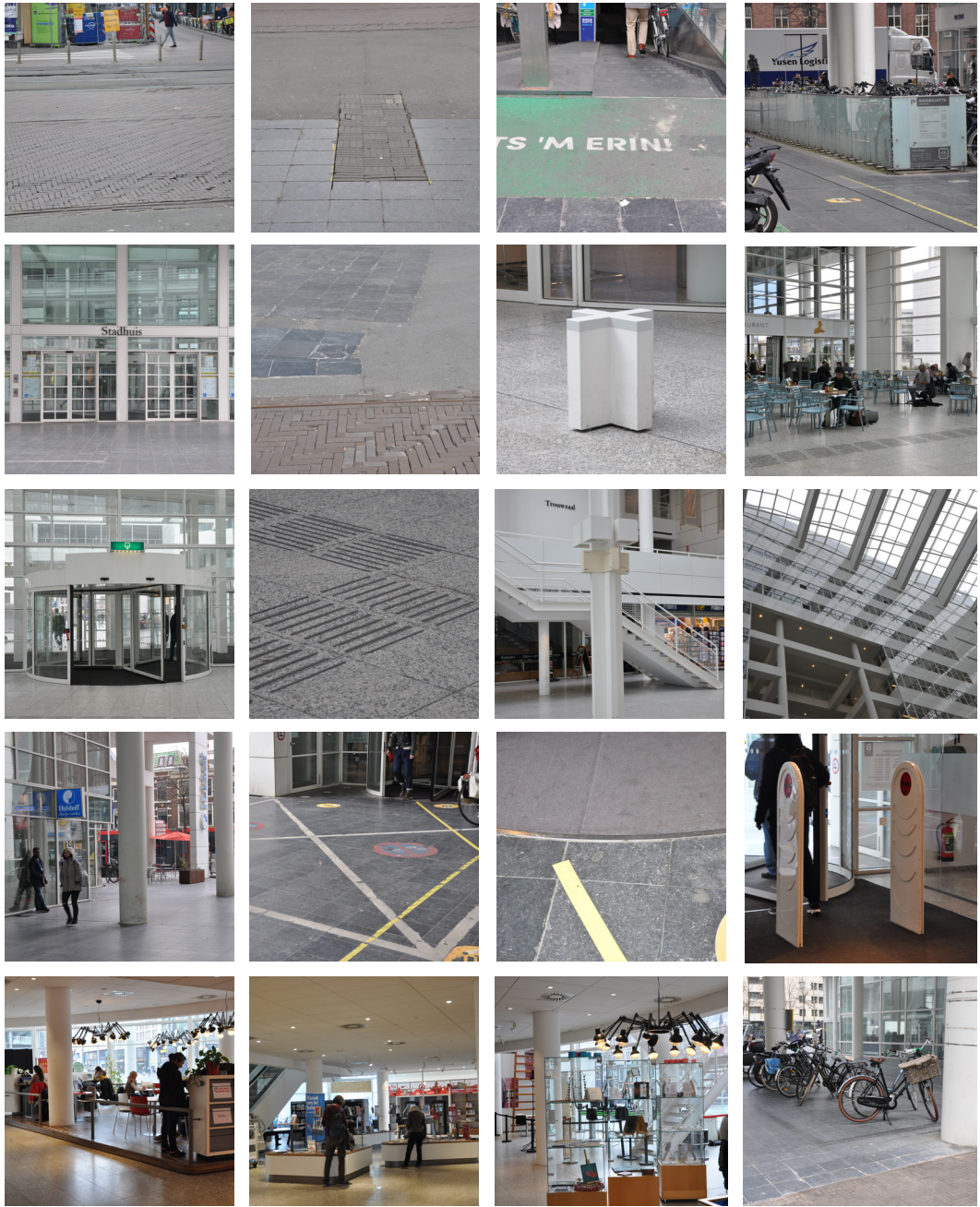


Fig. 52 - Collaging the Sensoric: an Approximation of Public Spaces: City Hall + Library (The Hague)

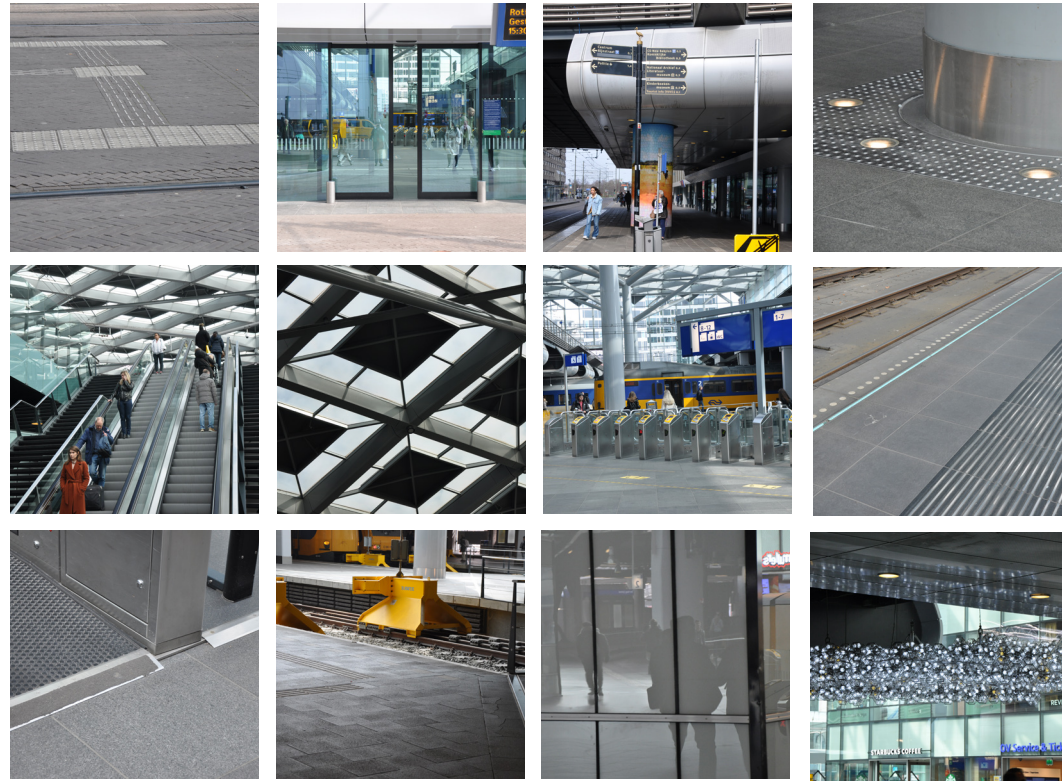


Fig. 53 - Collaging the Sensoric: an Approximation of Public Spaces: Den Haag Centraal (The Hague)



Fig. 54 - Collaging the Sensoric: an Approximation of Public Spaces: Passage (The Hague)

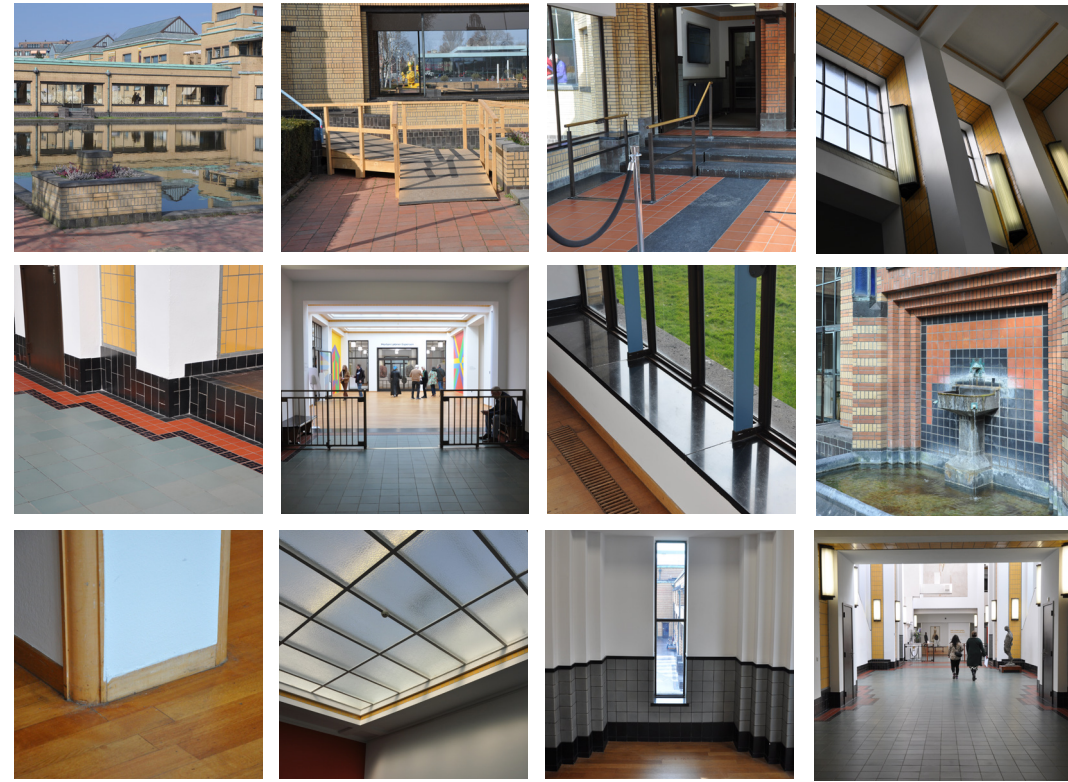


Fig. 55 - Collaging the Sensoric: an Approximation of Public Spaces: Gemeentemuseum Den Haag (The Hague)

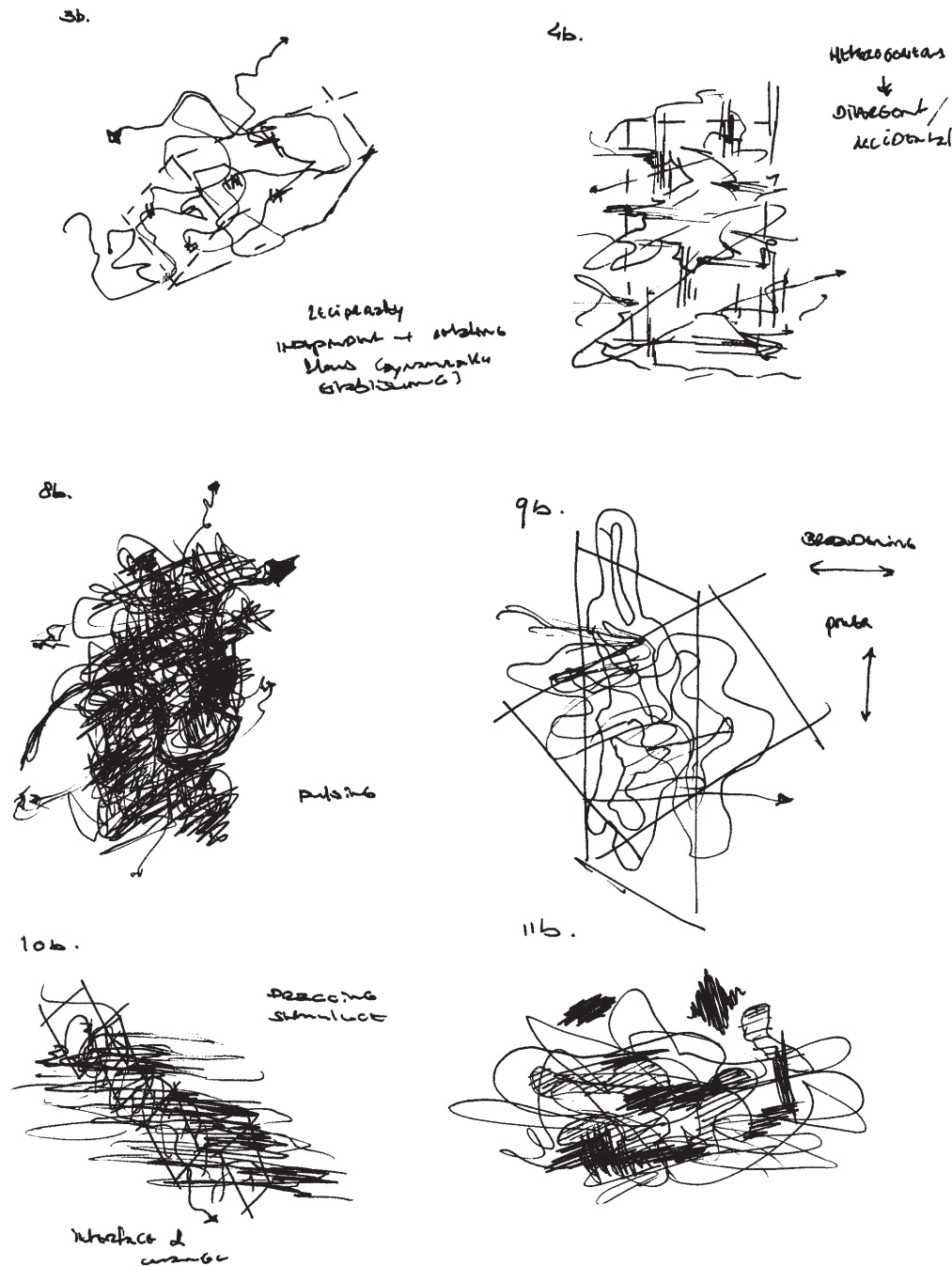


Fig. 56 - The In-Between of Affect (Sketches)

Response to the Bressani' Manifesto "Towards a Digital Theory of Affect" (2010). Applicability of affect, as described by Bressani, as an architectural strategy. From this, six characters were approximated: Reciprocate, Heterogeneous, Catalyst, Broadening, Interface, Pheromone.



Fig. 57 - The In-Between of Affect (Manifesto)

Response to the Bressani' Manifesto "Towards a Digital Theory of Affect" (2010). Applicability of affect, as described by Bressani, as an architectural strategy. The manifesto was used to specify principles, supported with the use of six characters, to define how the in-between could be of affect.

01 Exploration Strategization

In the next steps of the design, the operationalization of an architecture of affect was researched, in relations with the application of the in-between (Fig. 35, 36). Simultaneously, the approximations of the in-between, as conducted in Fig. 23, were further analysed in their construction. Herein, it became evident how the interfacial characteristics of space, result in the conditioning of space, which could result in the approximated in-between relations. However, the interfacial characteristics can be considered as one of the layers, as other layers also have an impact on defining the specificity of relations. Moreover, the scale of the characteristics also define the operability of layers. An analysis of the site location, resulted in an approximation of institutional strategies as layer, which on different scales condition the confrontations of bodies.

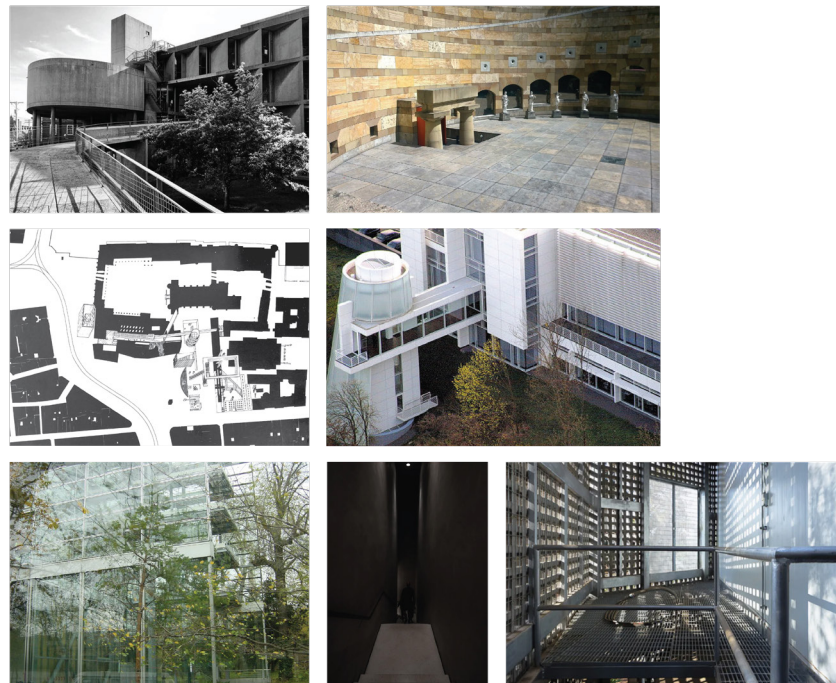


Fig. 58 - Precedent Inventory Material Strategy

Precedent studies indicating the proposed operability, material strategy, materiality, construction.

During the P3 presentations, an architecture of layering, fragmentation and collage was presented, as proposed strategy for achieving an architecture of affect, making use of the in-between relations, interfaces and interspaces. Wherefrom, a first proposal of the operability of the proposal (scales, layers, affects), and more specific selection of precedents, was concluded (Fig. 39 up to 45).

In the following weeks, the translation of the operability, and the strategization of layers, was further investigated.

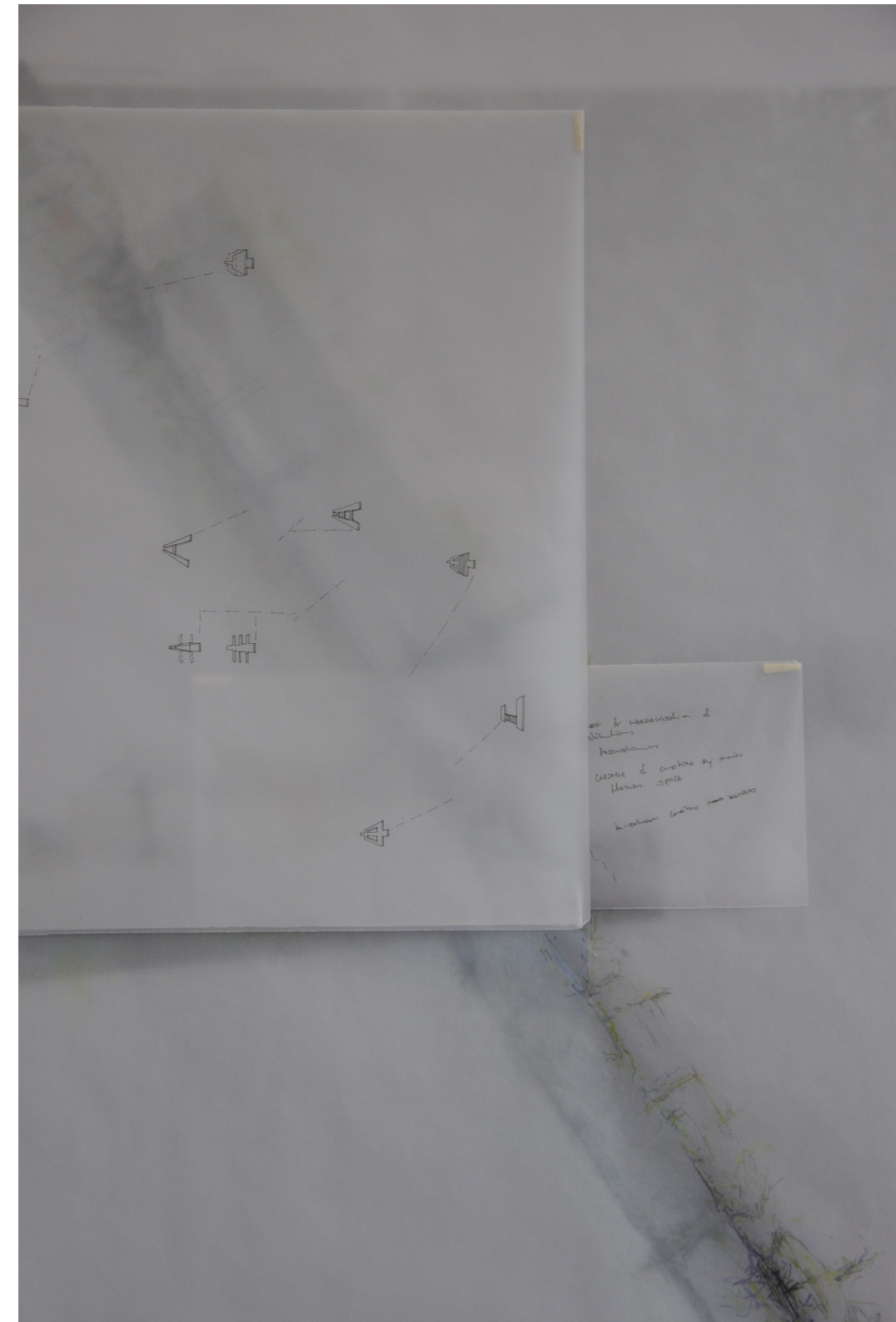
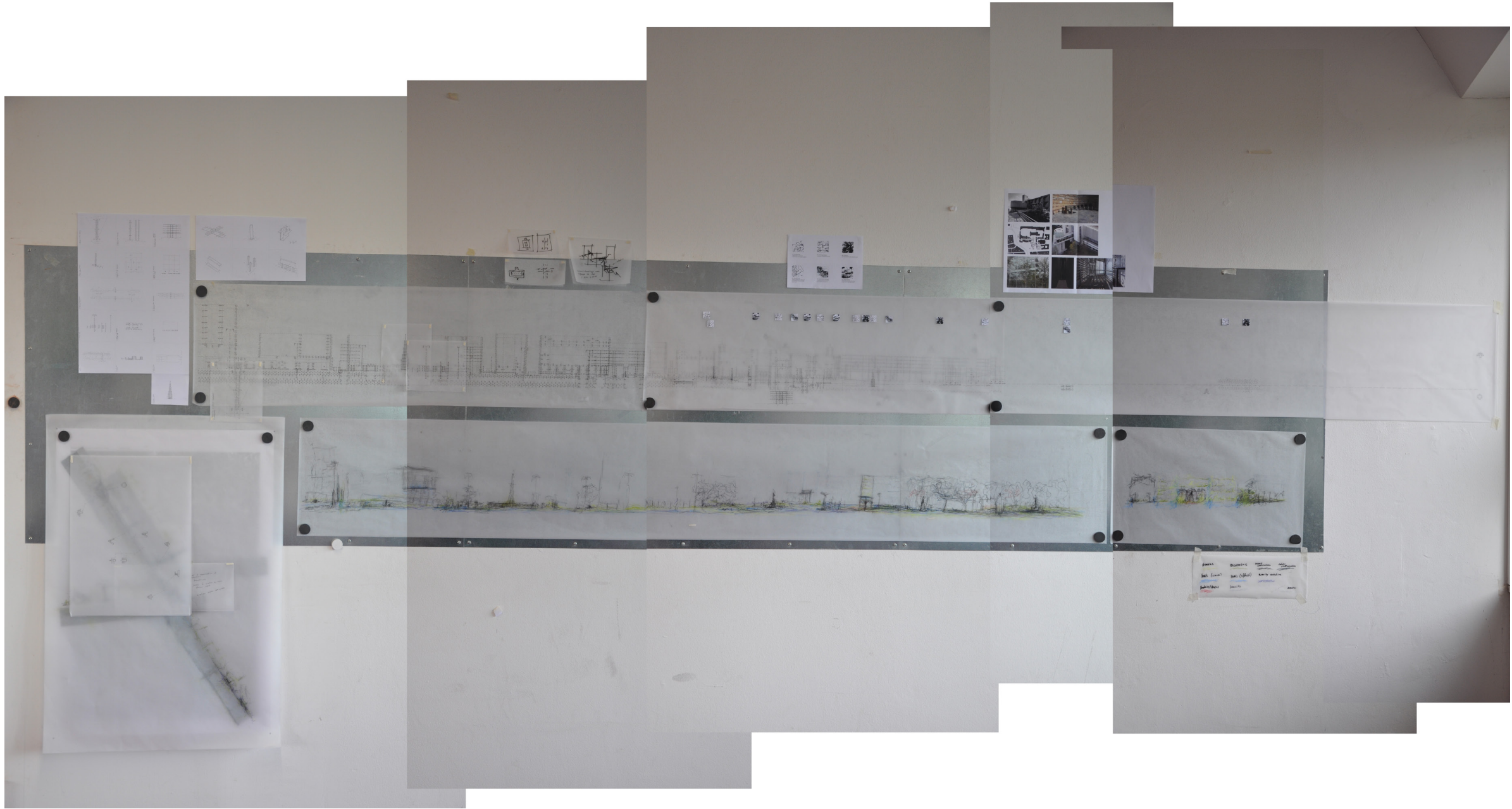


Fig. 59 - Result Workshop Week Exploration Operability (Zoom-In: D)

The material was presented making use of overlapping layers. The analytical drawing of transects in both directions, and conclusion drawing, were layered over the original site. With the additional layering of a site approximation, and reflectively, institutional strategies.

Scale 1:6000





- Legend
- Material Transits
 - Levels (Cause)
 - Levels (Effect)
 - Hard Thresholds
 - Soft Thresholds
 - Charging
 - Discharging
 - Bodily Relations
 - Theatrics/Staging (Temporal)
 - Up
 - Down
 - Forward
 - Backward
 - Left
 - Right
 - Threshold
 - Transition

Fig. 60 - P3 Intermediate Presentation (Overview)

The approximations of the in-between were translated making use of a notational system. This results in a first layer indicating the operability of design. The typological fragments as found within the notational transect, were used to design a sequence of experiences responding to the site conditions, institutional strategies, and in-between relations. The experiences were linked with the characters of affect. Together the layers establish a first impression of the specific operability of the proposed design.

Scale 1:6000,
Scale +/- 1:200



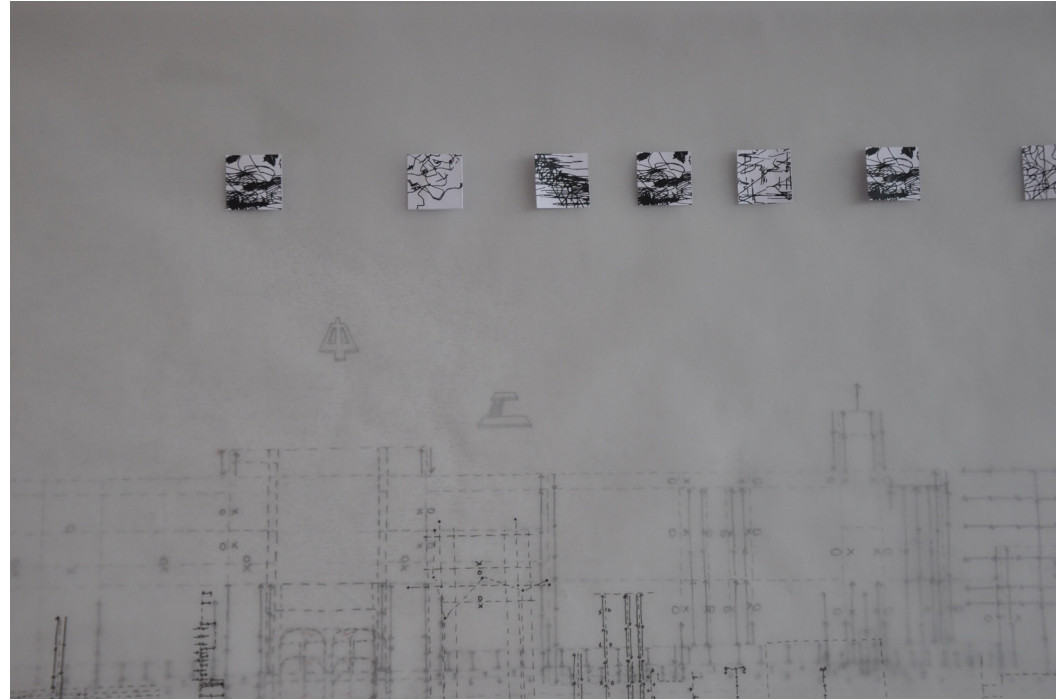


Fig. 61 - P3 Intermediate Presentation (Zoom-In: A)

The material was presented making use of overlapping layers. Herein, the analytical drawing of the in-between relations was translated making use of a notational system. On top, the first abstract design proposal and operability were presented (fragments, characters). Responding to the site conditions, institutional strategies, and in-between relations.

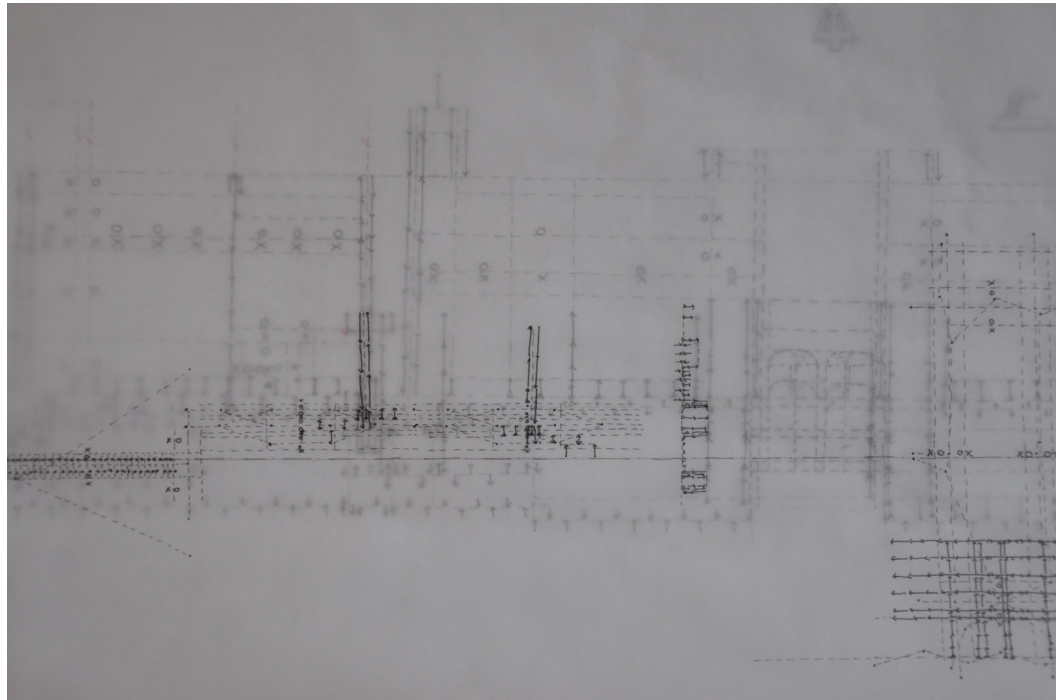


Fig. 62 - P3 Intermediate Presentation (Zoom-In: B)

The material was presented making use of overlapping layers. Herein, the analytical drawing of the in-between relations was translated making use of a notational system. On top, the first abstract design proposal and operability were presented (fragments, characters). Responding to the site conditions, institutional strategies, and in-between relations.

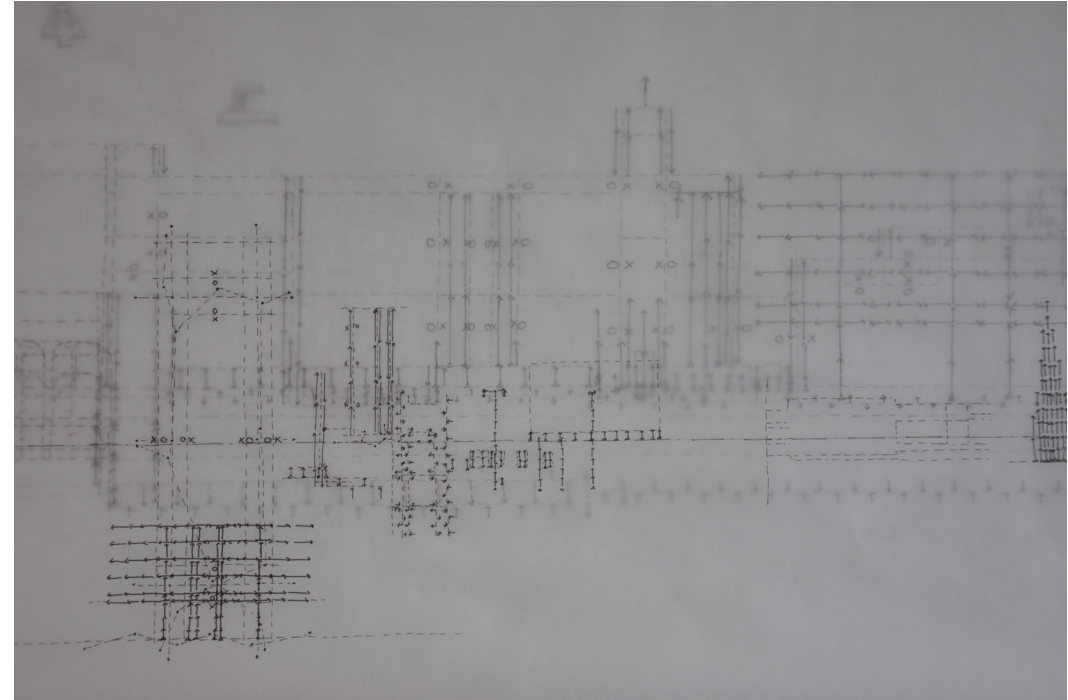


Fig. 63 - P3 Intermediate Presentation (Zoom-In: C)

The material was presented making use of overlapping layers. Herein, the analytical drawing of the in-between relations was translated making use of a notational system. On top, the first abstract design proposal and operability were presented (fragments, characters). Responding to the site conditions, institutional strategies, and in-between relations.

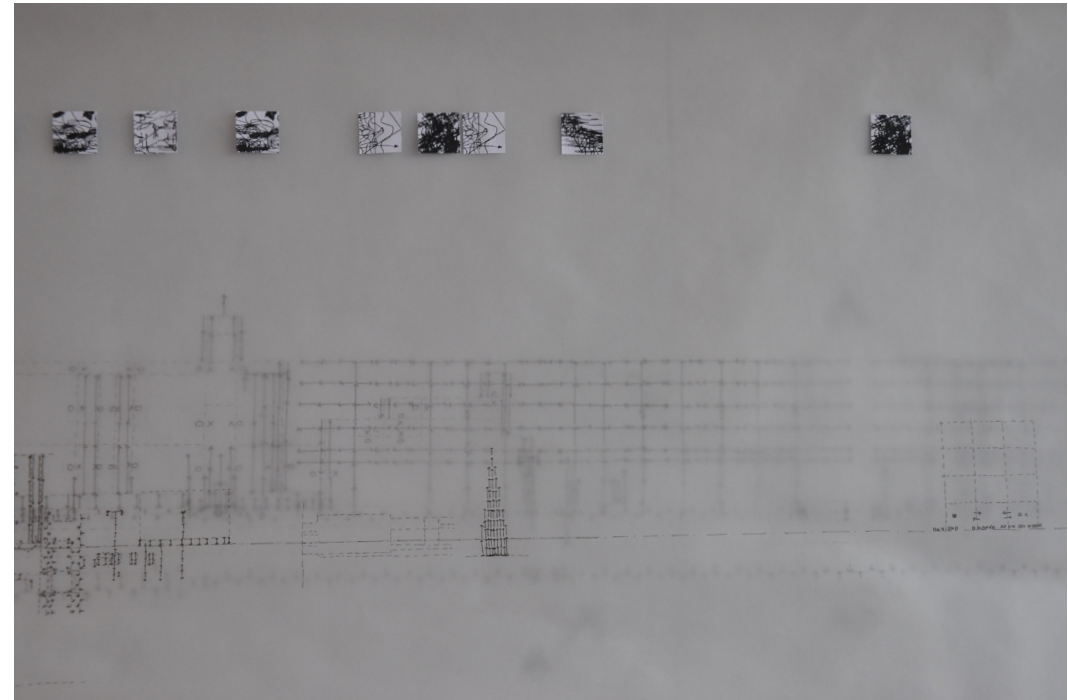


Fig. 64 - P3 Intermediate Presentation (Zoom-In: D)

The material was presented making use of overlapping layers. Herein, the analytical drawing of the in-between relations was translated making use of a notational system. On top, the first abstract design proposal and operability were presented (fragments, characters). Responding to the site conditions, institutional strategies, and in-between relations.

Legend

- ↑ Up
- ↓ Down
- × Forward
- Backward
- ← Left
- Right
- △ Threshold
- | Transition

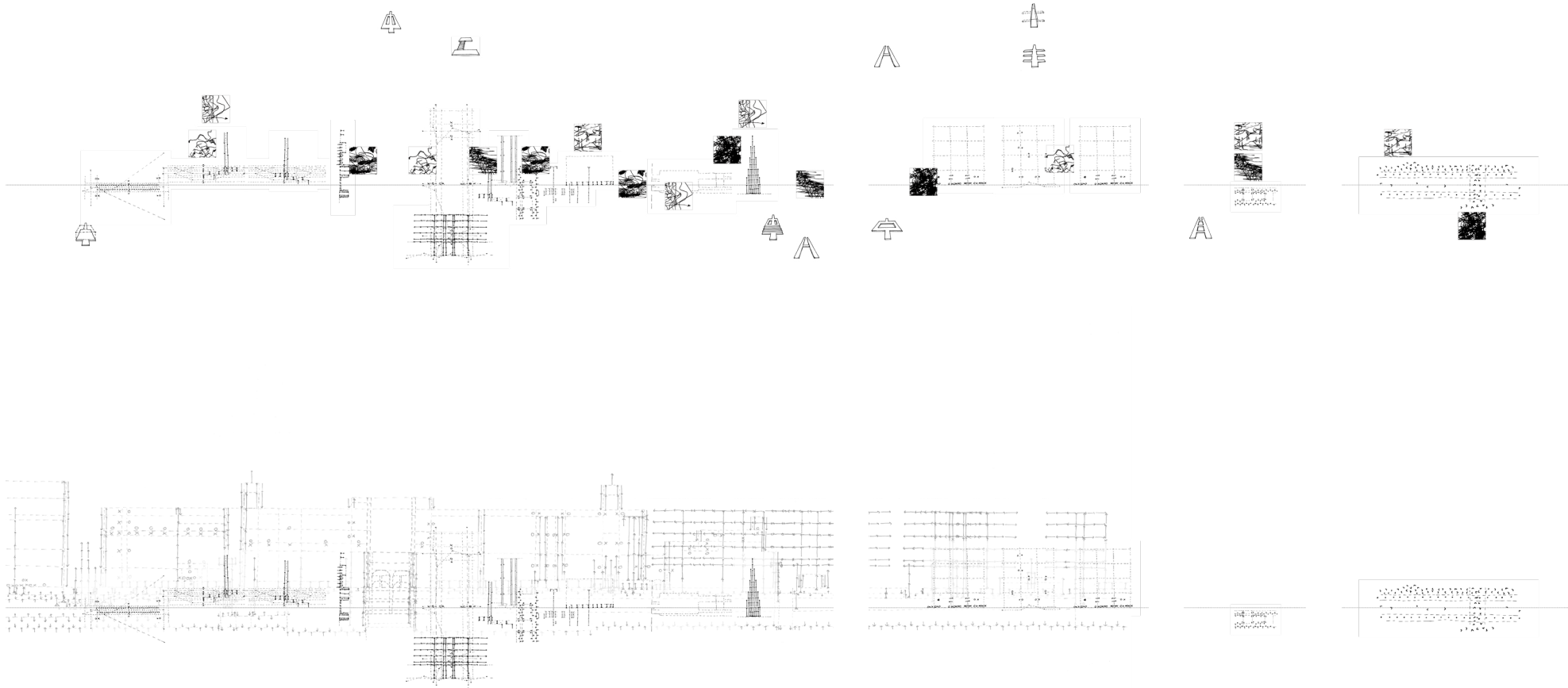


Fig. 65 - Projected Collage of Fragments, Institutional Strategies and Characters of Affect (P3 result)
Projection of typological fragments, institutional strategies and characters of affect collaged/assembled as operationalization of the site, in the transect of interest (notational translation).

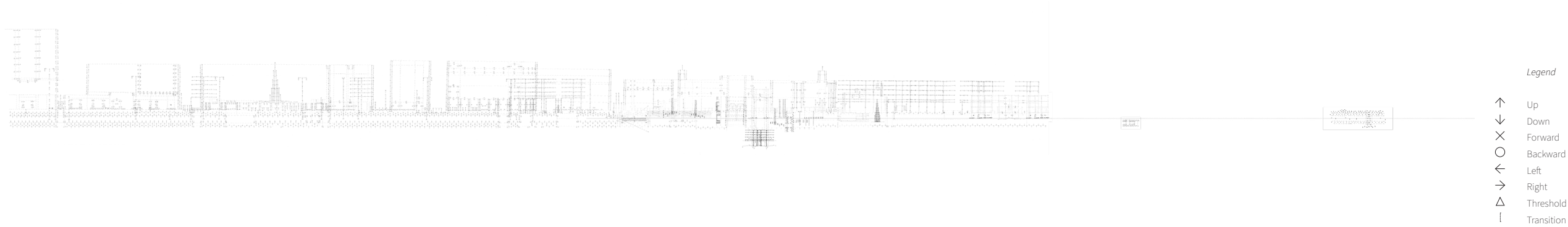


Fig. 66 - Projected Collage of Fragments Transect (P3 result)
Projection of typological fragments collaged/assembled as operationalization of the site, in the transect of interest (notational translation).

+/- Scale 1:200

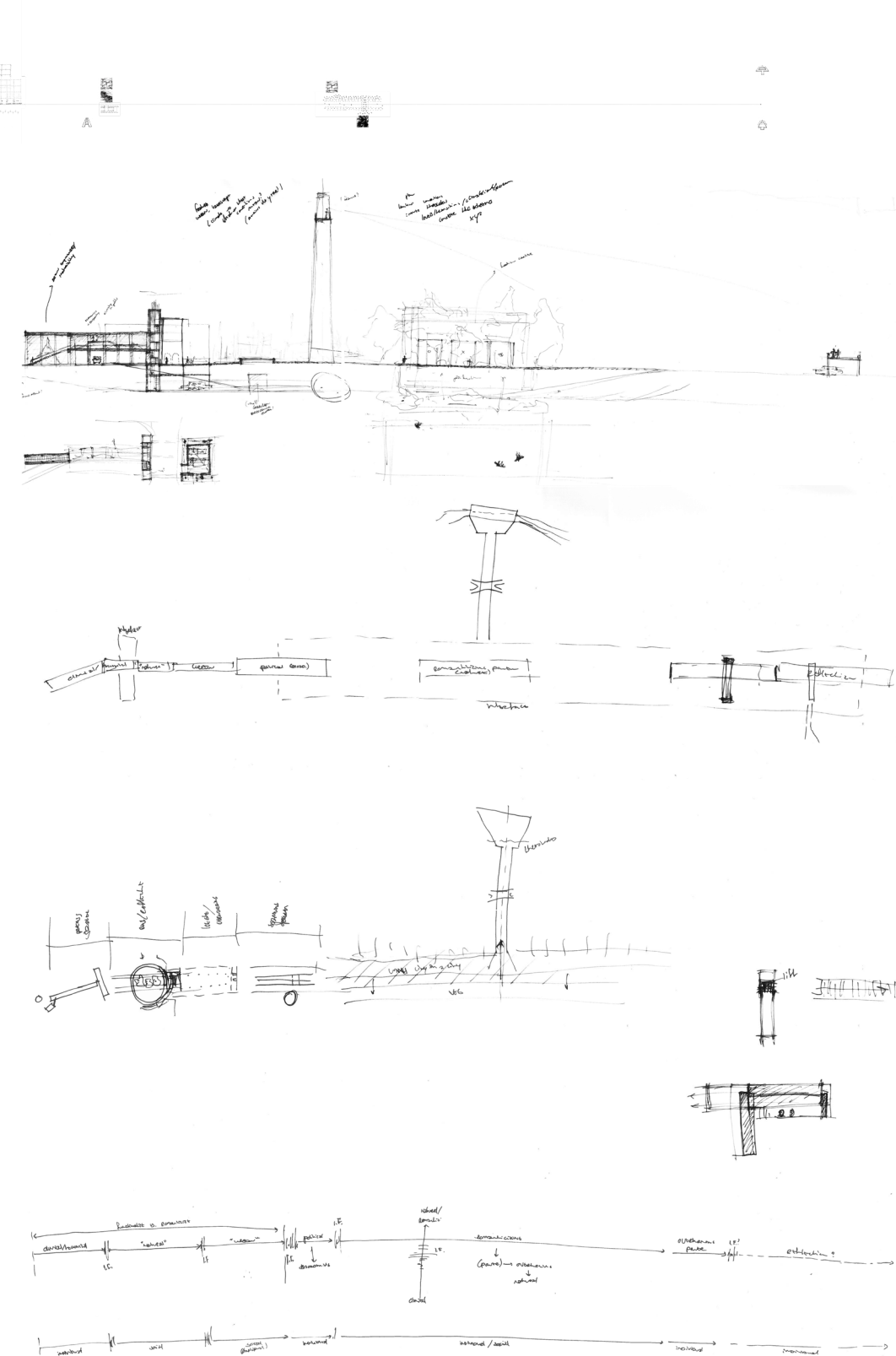
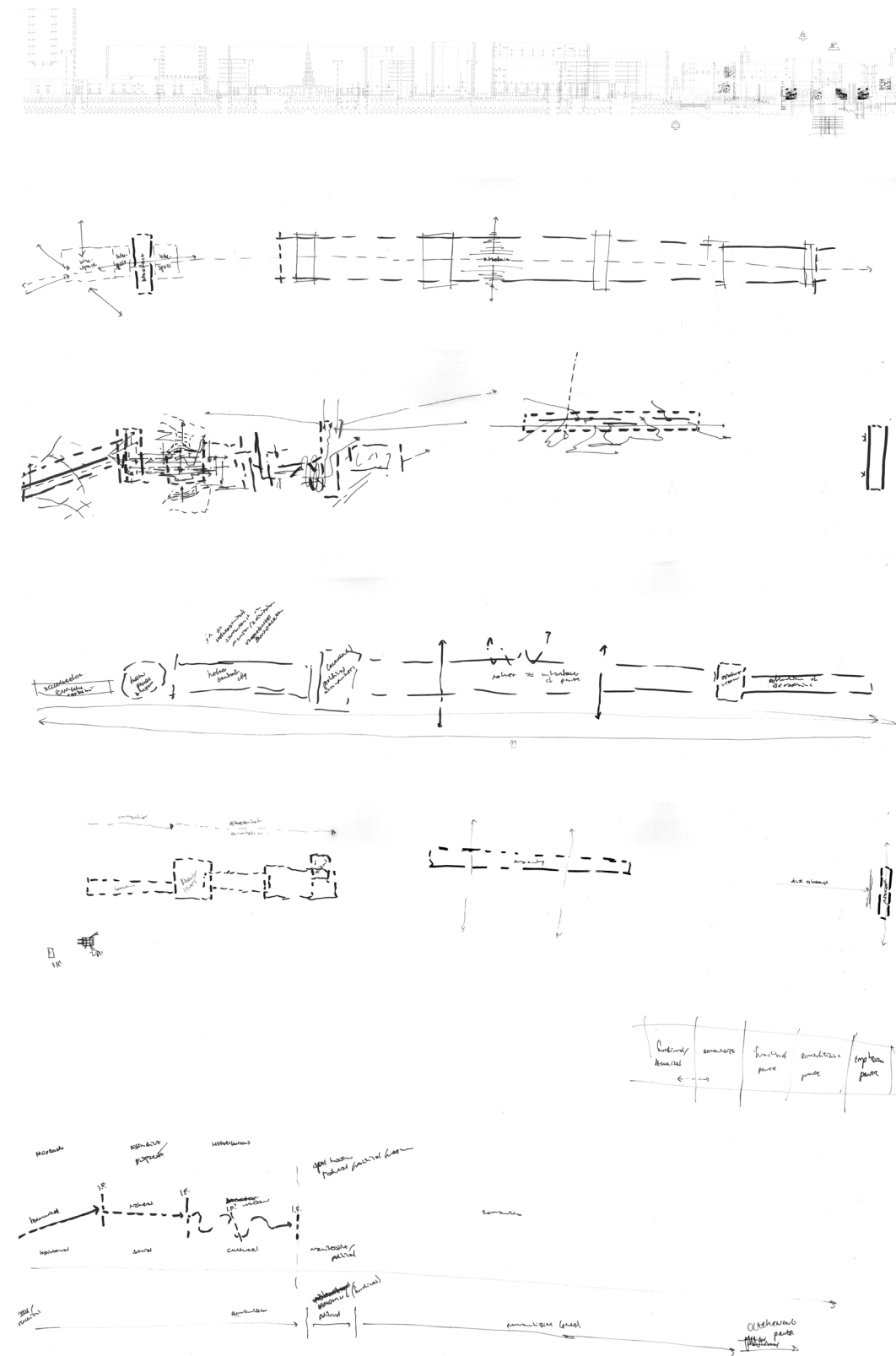


Fig. 67 - Design Explorations and Strategization

Studies of the intervention's design operationality, and further strategization of the sequence of experiences, thematics, materiality, change of traffic/actors.

+/- Scale 1:200

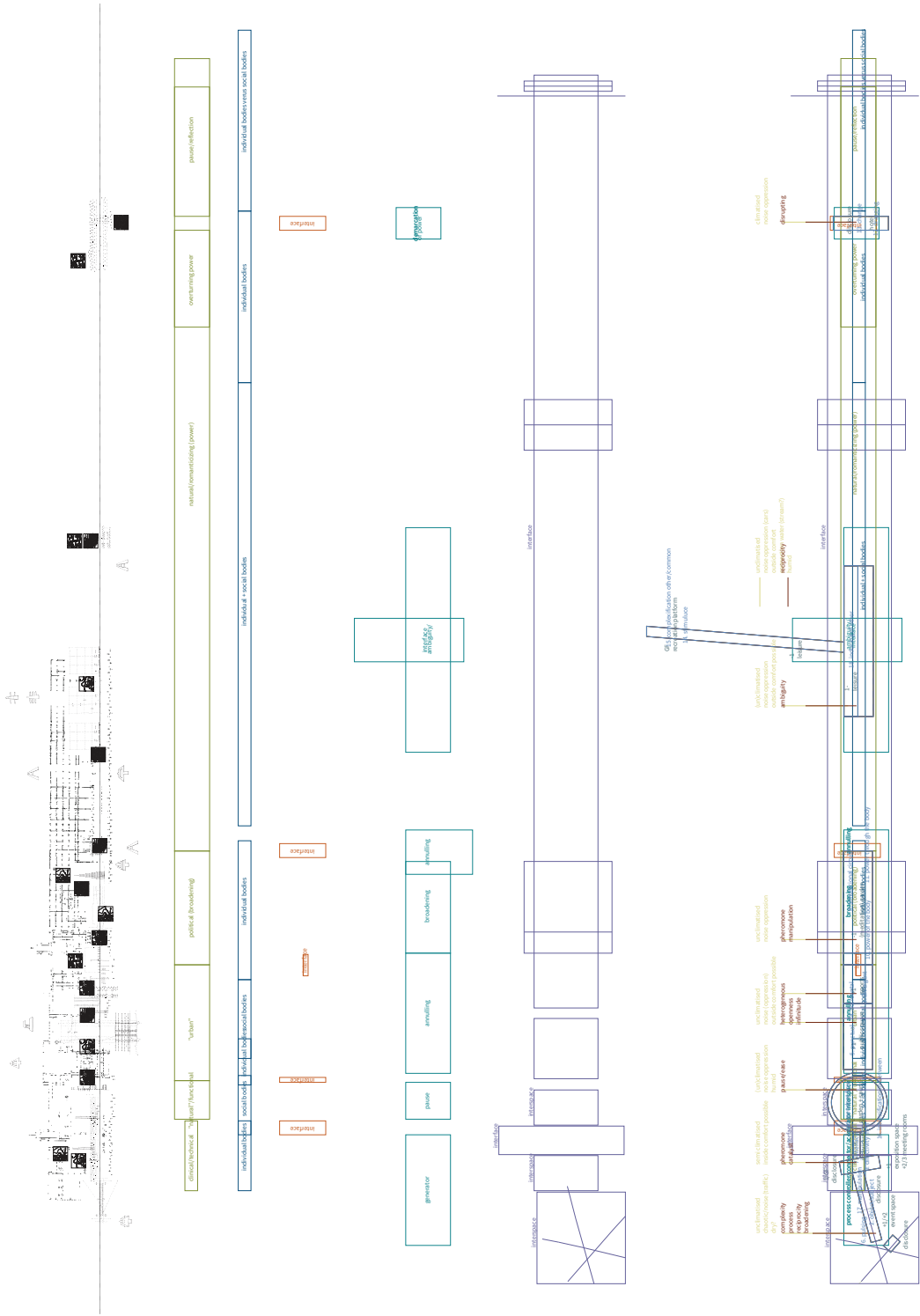
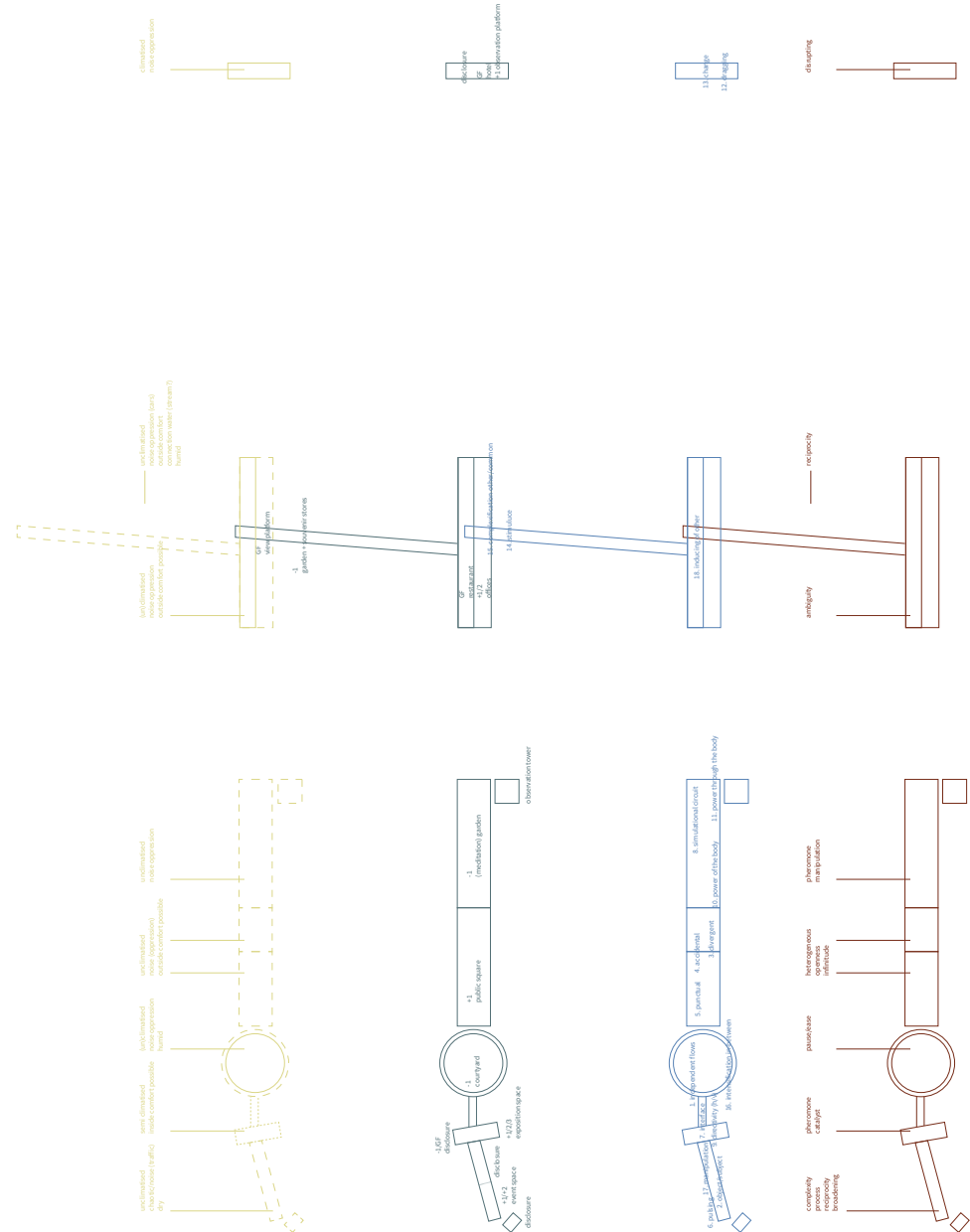


Fig. 68 - Design Strategization + Operationalization

From top to bottom: climatic, functions, sensations, characteristics, fragments, identities/ bodies ((as in the institutional) interspaces), social bodies, interfaces/interspaces, program, site configuration, and the resulting layering.

Scale 1:500



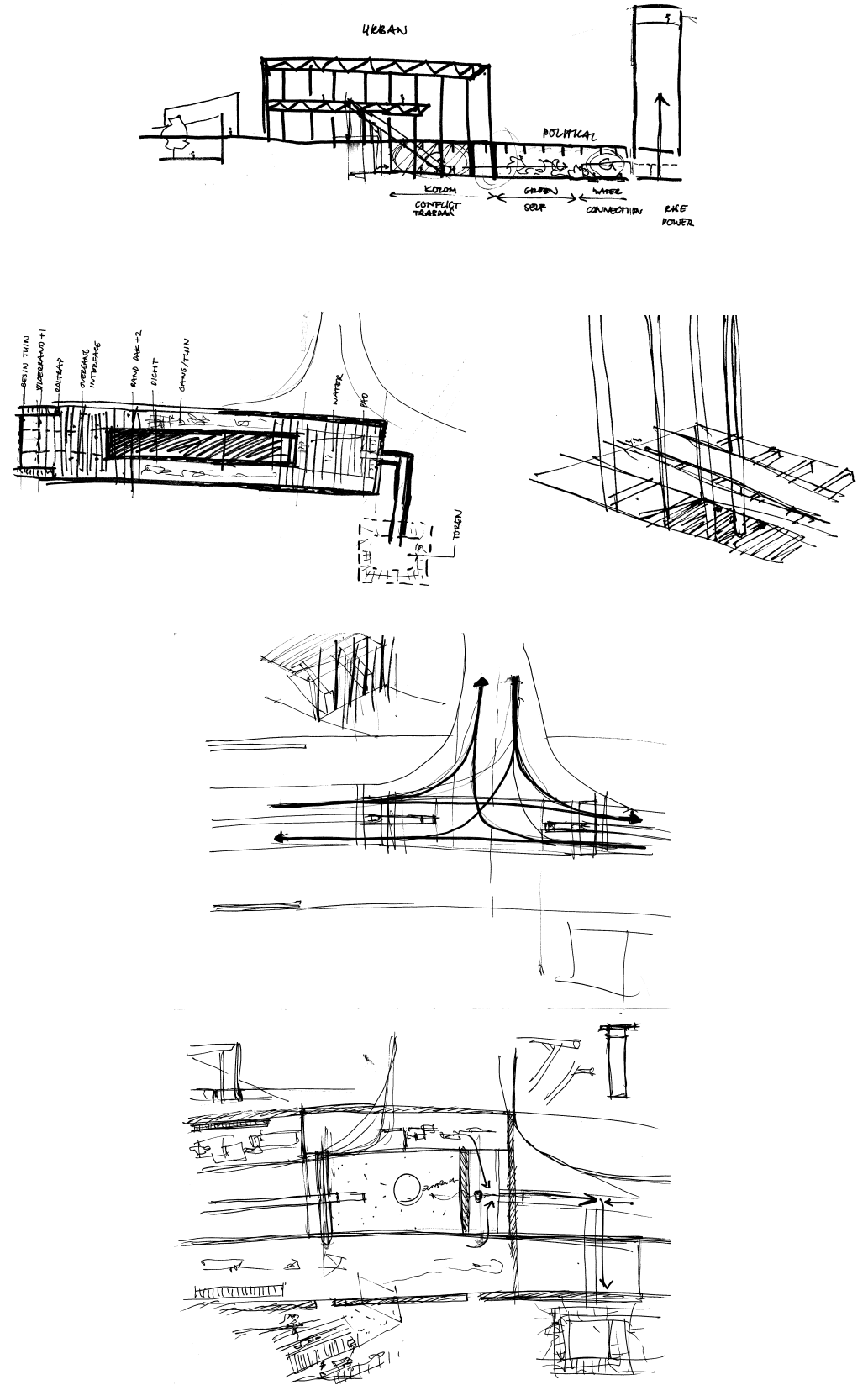
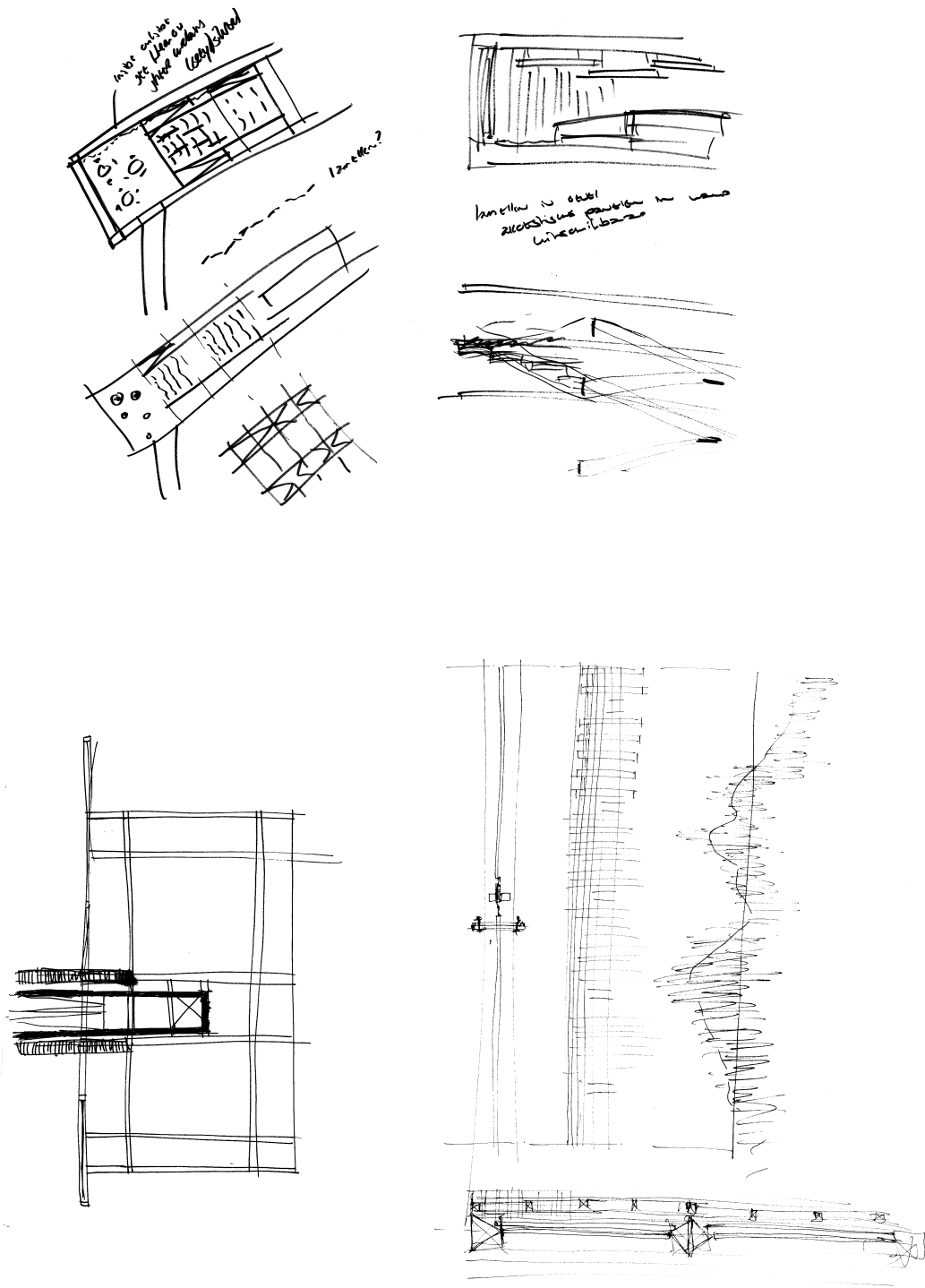


Fig. 70 - Design Explorations: Operability and Materiality
Studies of the intervention's design further strategization, operability, materialization
(characters of affect).



Fig. 71 - Sensations of Affect
Sequence of precedents, resembling the proposed materiality and effect, following the design' section.

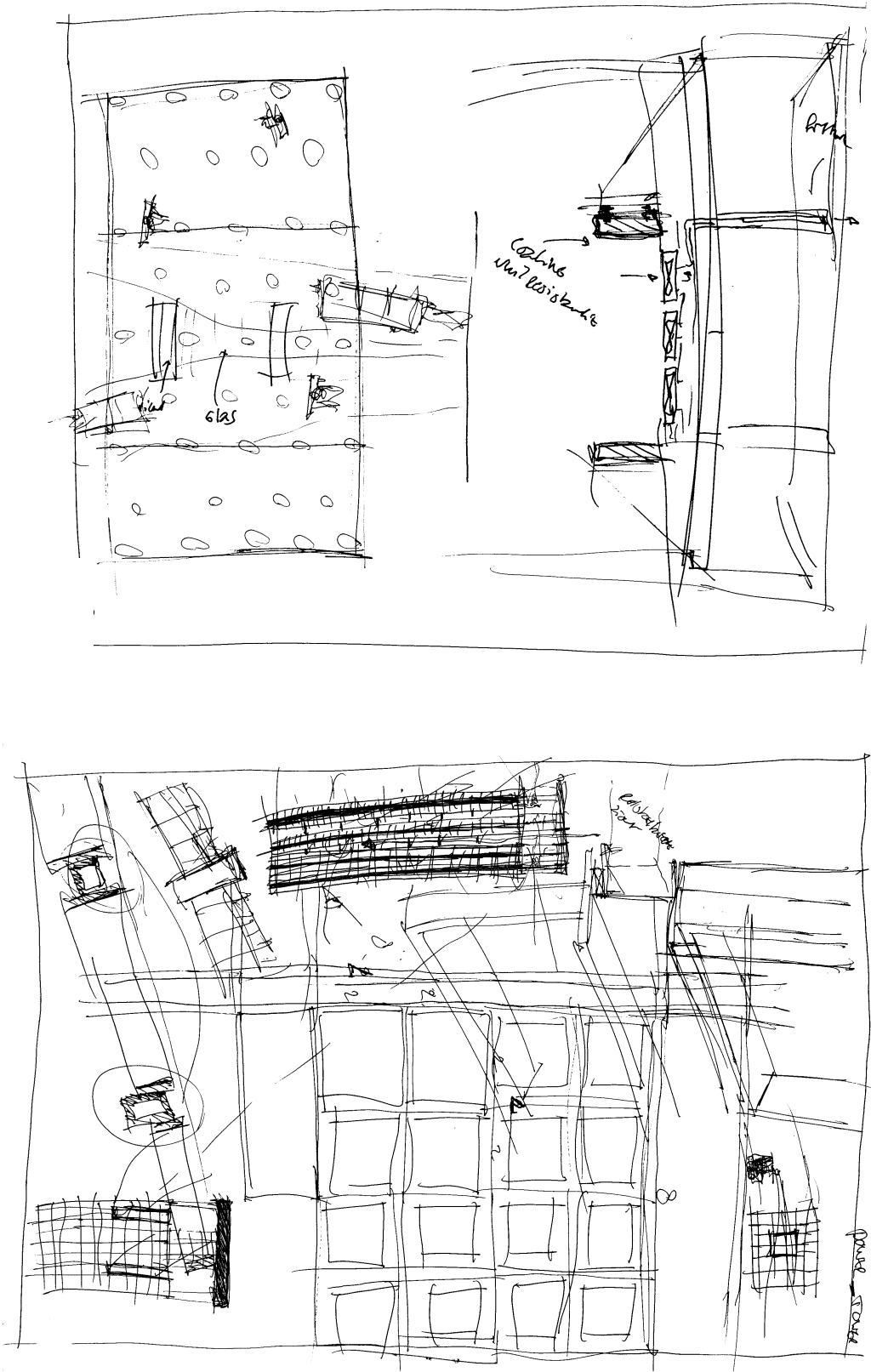


Fig. 72 - Design Explorations Materiality and Construction
Studies of how the proposed effect can be achieved through the materiality and construction of the different parts of the intervention. Top: Urban; Bottom: Political.

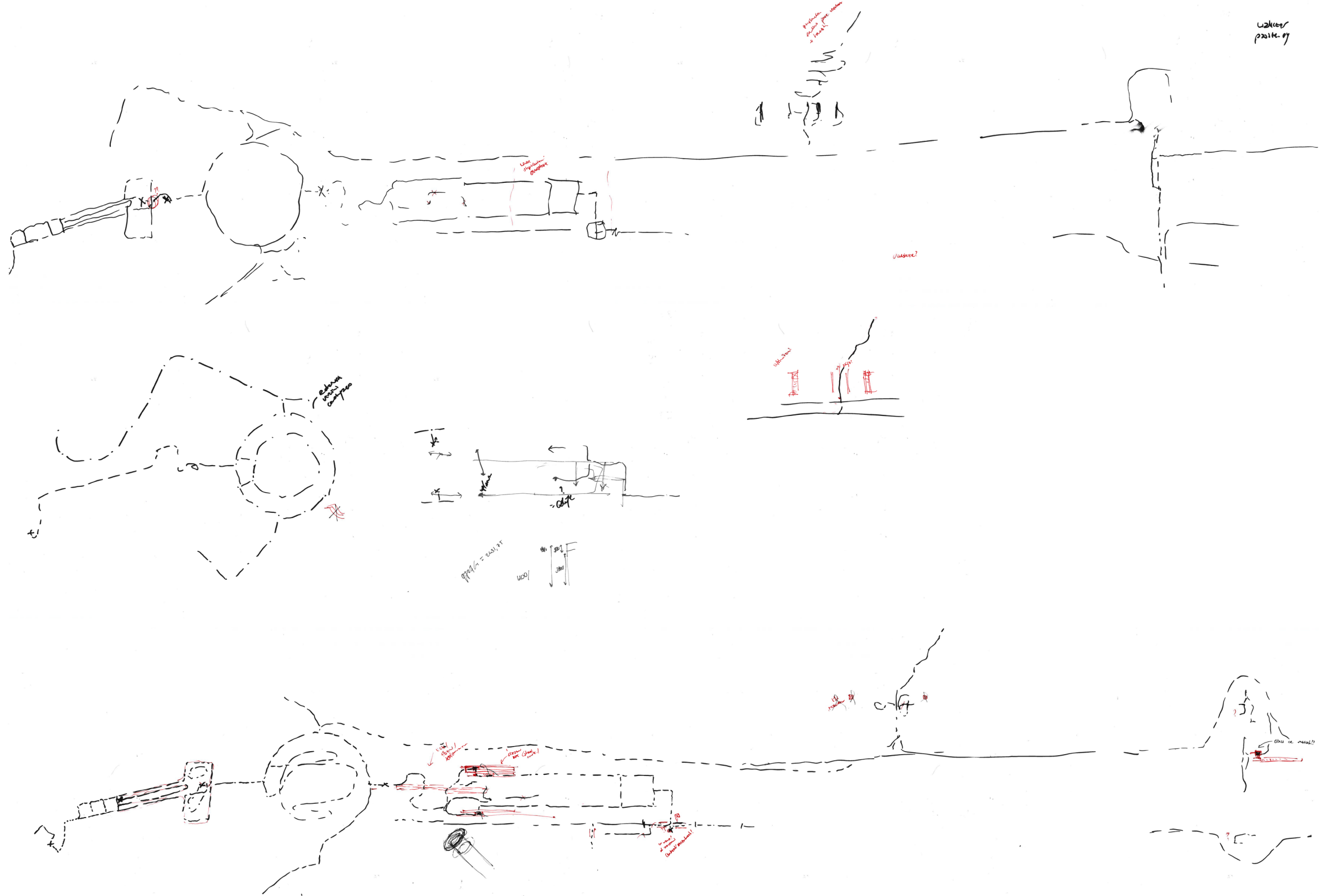


Fig. 73 - Design Actor Strategization and Operationalization

Studies of the intervention's design strategy and operationality, considering different confrontations (consecutively, interruptedly, or incidentally,) and (other) bodies.

+/- Scale 1:500

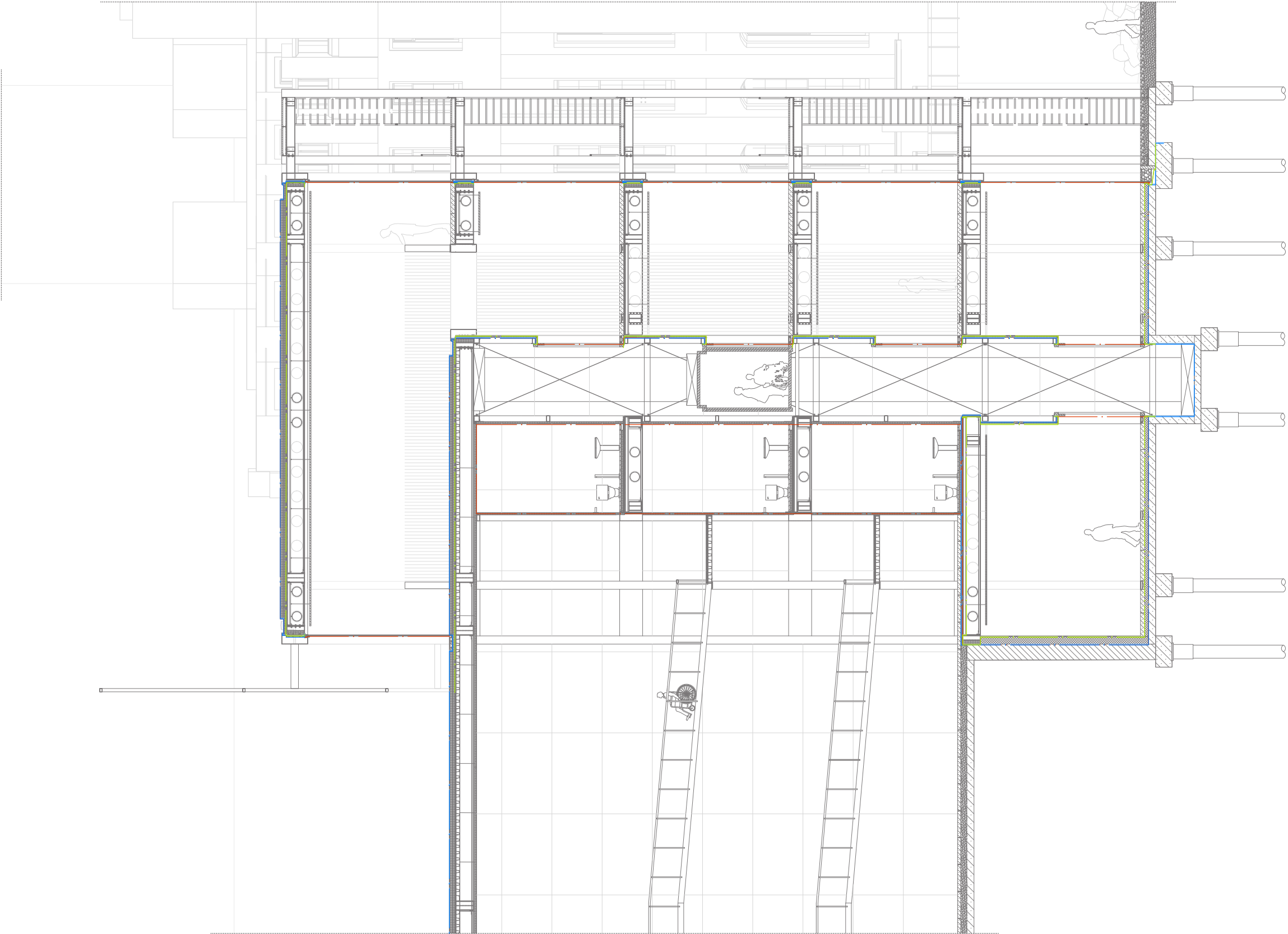


Fig. 74 - Sensation Construction Fragment Interfaces
Composition of insulation line (red), vapor open foil (blue), vapor barrier foil (green),
considering the project' relative inside and outside conditions.

Scale 1:50

IN-BETWEEN OTHERS
DECONSTRUCTING DICHOTOMIES OF (POWER) BODIES

Keywords: affect, bodies, effect, heterogeneous city, in-between, interface, interspace, institutions, model of relations, othering practices, power.



Fig. 1 - Projected Collage of Fragments, Institutional Strategies and Characters of Affect

Projection of typological fragments, institutional strategies and characters of affect collaged/assembled as operationalization of the site, in the transect of interest (notational translation).

+/- Scale 1:200

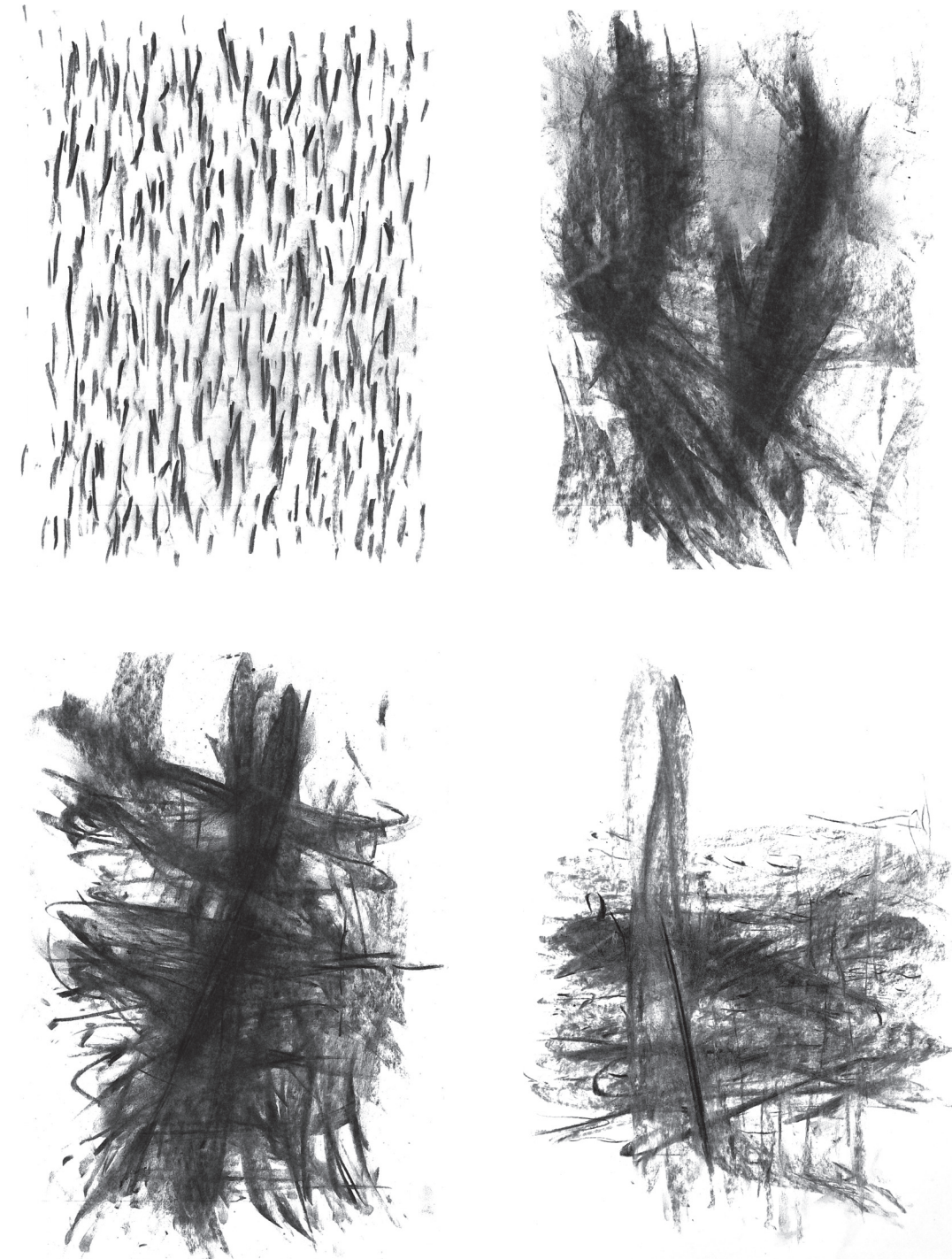


Fig. 2 - Parts, assemblies, relations, in-between

From left to right; in the relations of bodies and cities, all may be reduced into parts. Parts which, due to the specificity of forces, are able to form assemblies. These assemblies are formed by, and are able to establish (new) relations. Influence on the process of established relations, should perform within all that is between. Between parts that assemble and constitute relations.

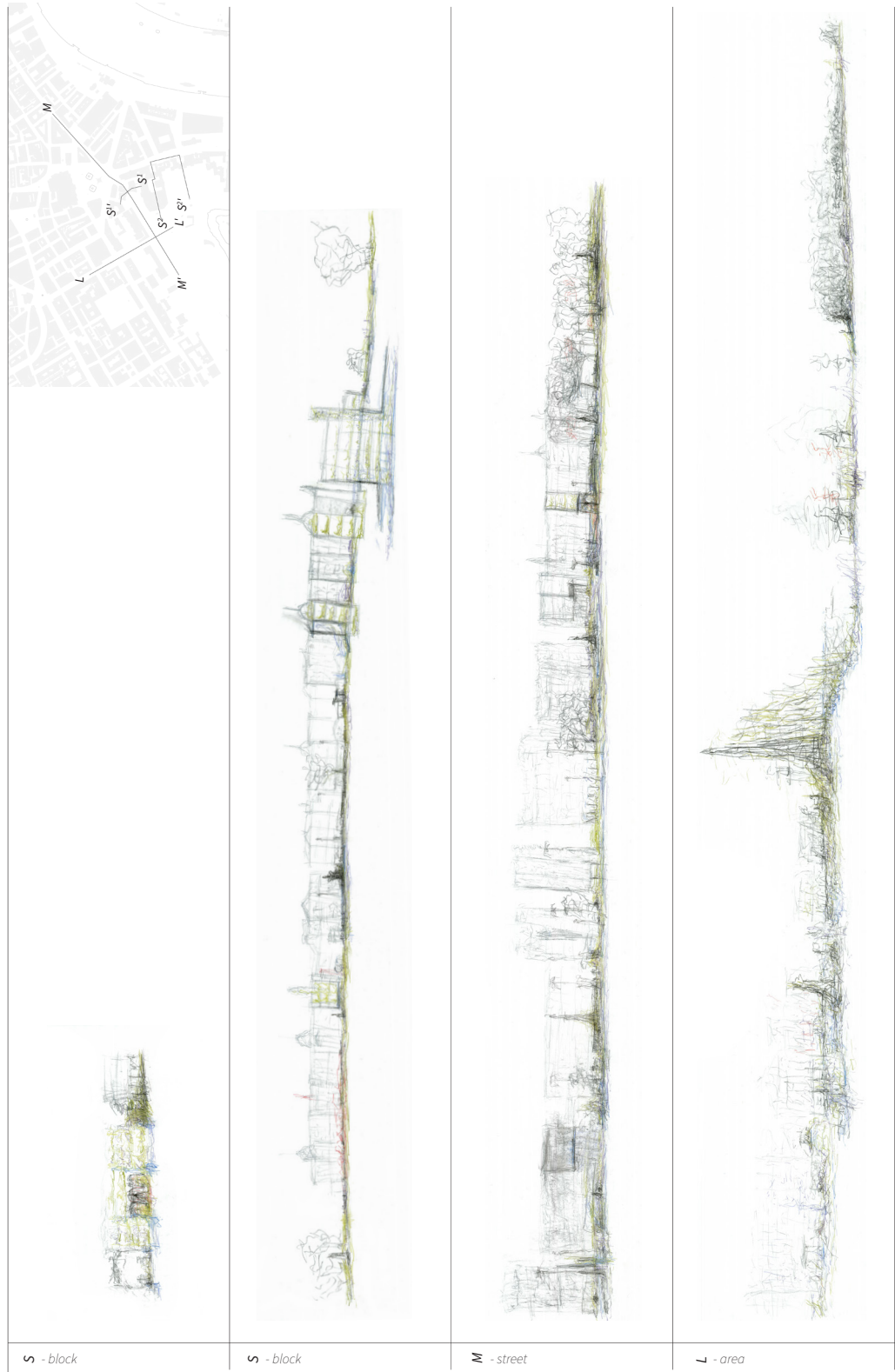


Fig. 3 - Transect Approximations of the In-Between Relations (S, M, L)
Explorative analysis of conditions, layers and processes resulting in the approximation of in-between relations at the intersection of The Mall, Trafalgar Sq, Northumberland Ave, Whitehall. Researching the relations in different scale sizes: block (S), street (M), and area (L).

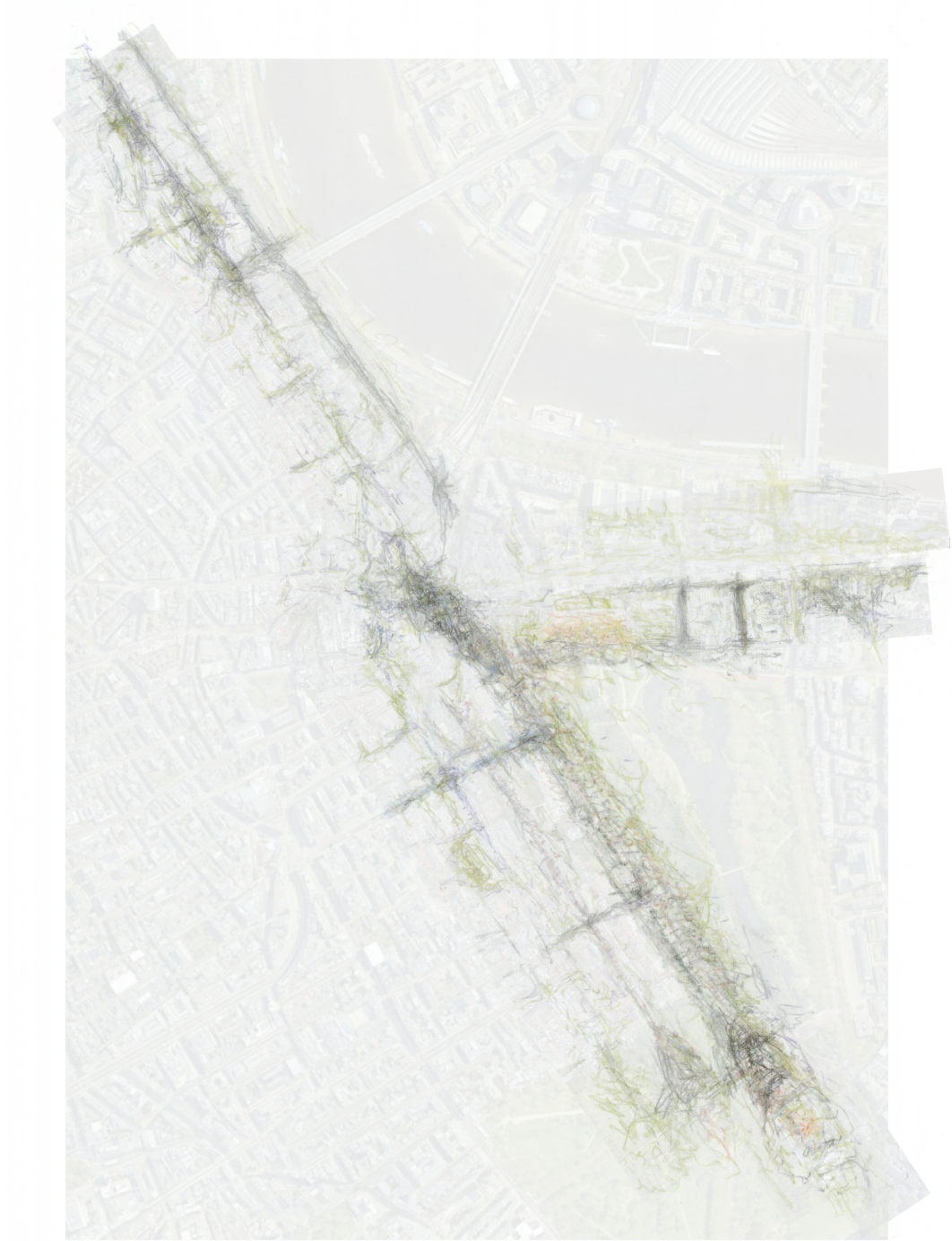


Fig. 4 - Representational Exploration Sections Site
Approximation concatenation (direction B) of conditions and processes, of the potential in-between relations. In section, the parliament/court district, city transition into the Buckingham Palace, parallel spaces of relation.

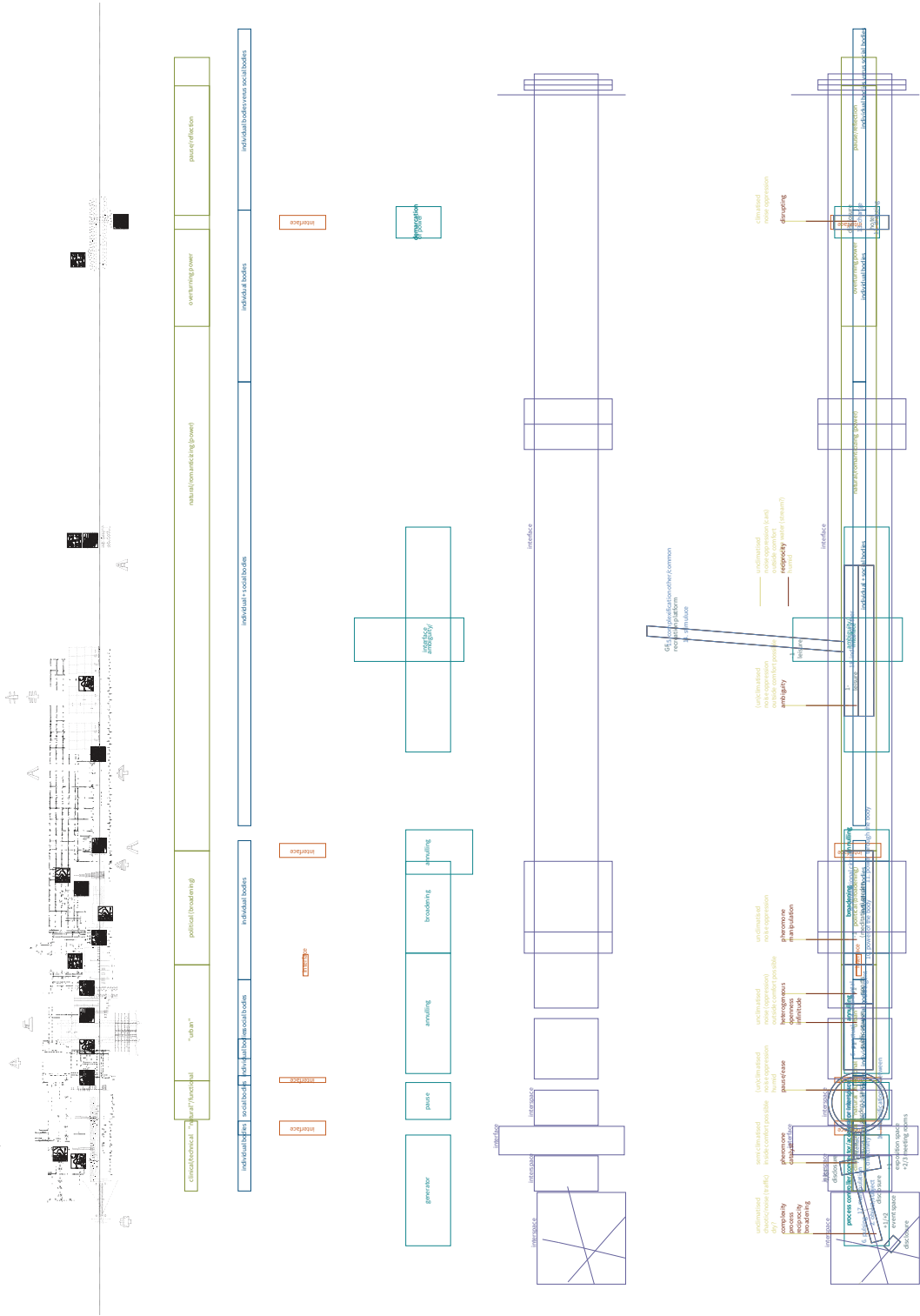
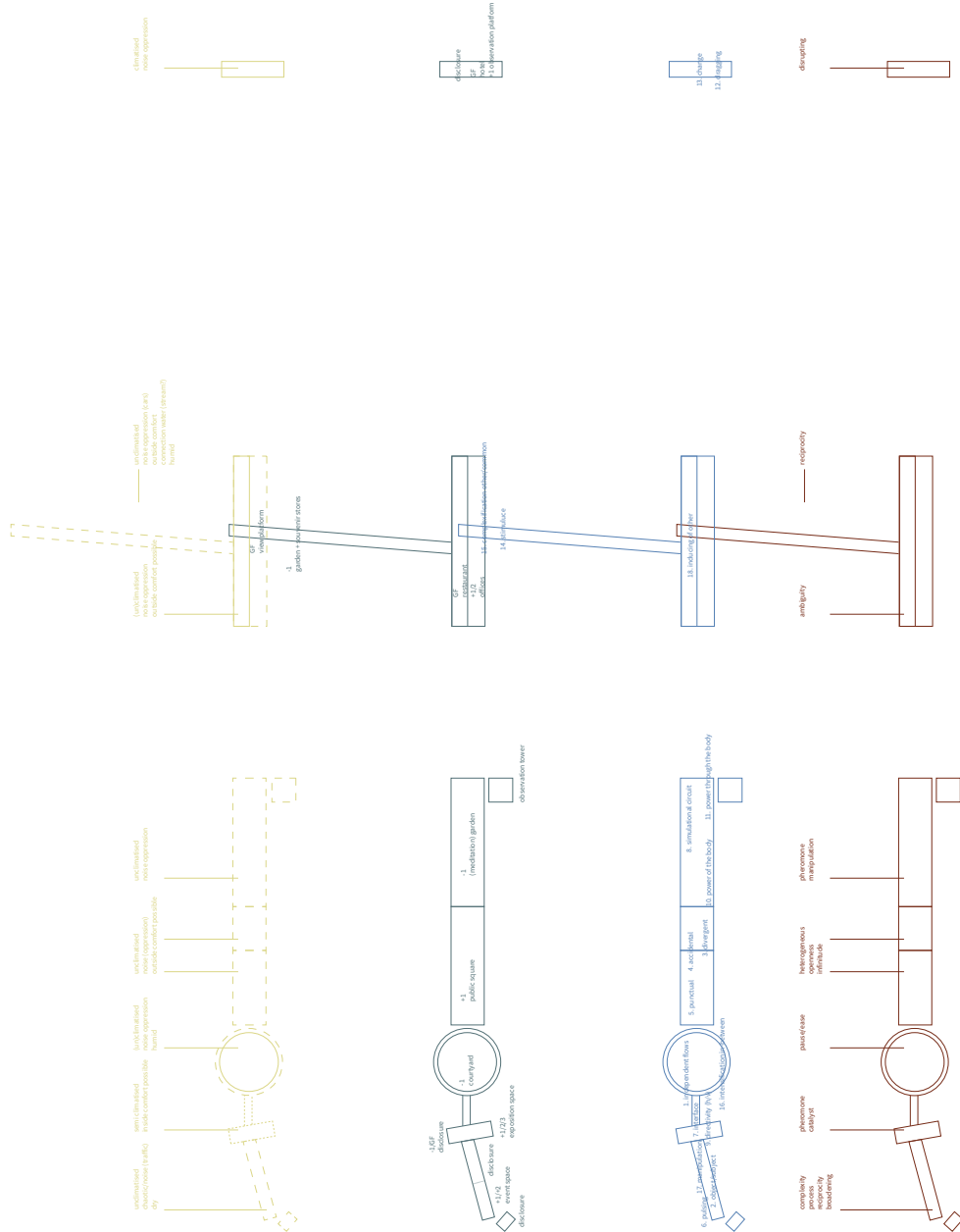


Fig. 5 - Design Strategization + Operationalization
From top to bottom: climatic, functions, sensations, characteristics, fragments, identities/ bodies ((as in the institutional) interspaces), social bodies, interfaces/interspaces, program, site configuration, and the resulting layering.

Scale 1:500





Scale 1:3000

Fig. 6 - Context Design Project
Intervention performing as interface and reformer of embedded (obsolete) relations of power within characteristics and conditions of interfaces, interspaces and in-betweens.

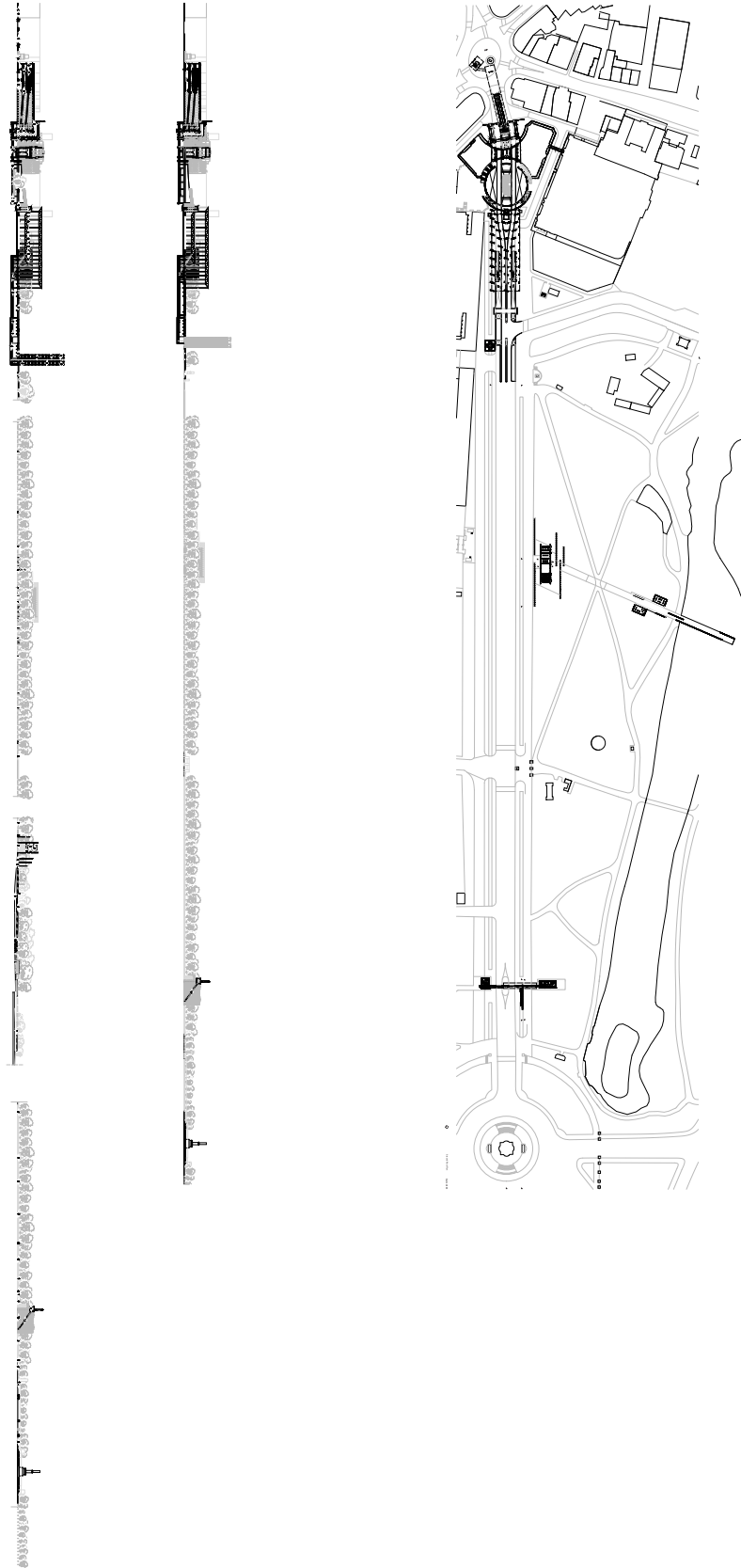


Fig. 7 - Distinction of Sections
Potential confrontation to the design project, as pathway, either followed consecutively, interruptedly, or incidentally. Resulting in the either the absolute (top) or relative (bottom) section.

Scale 1:500

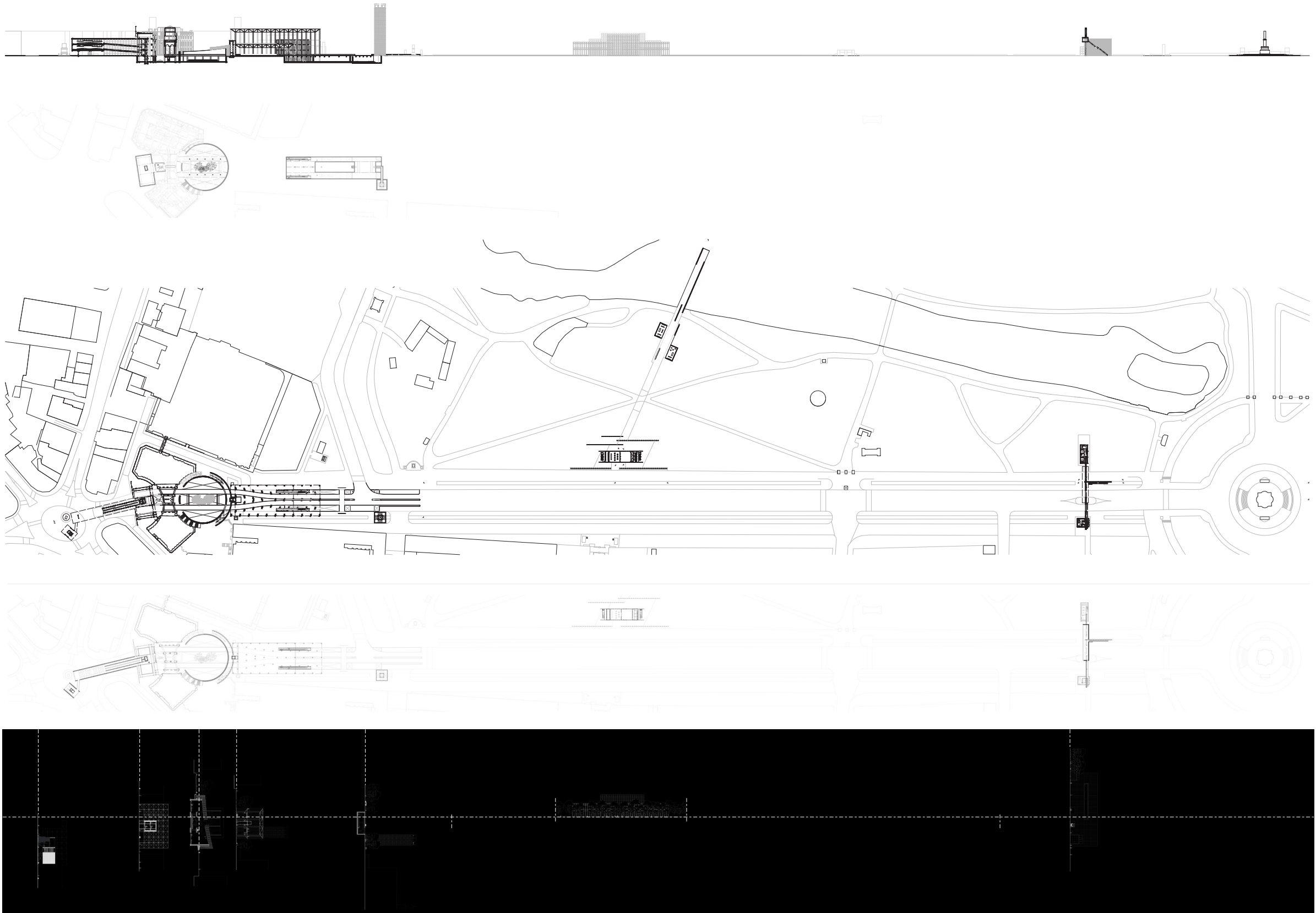


Fig. 8 - Design Project Overview
From top to bottom: (Absolute) Section, Basement-, Ground-, First Floor, Sequence of Views.

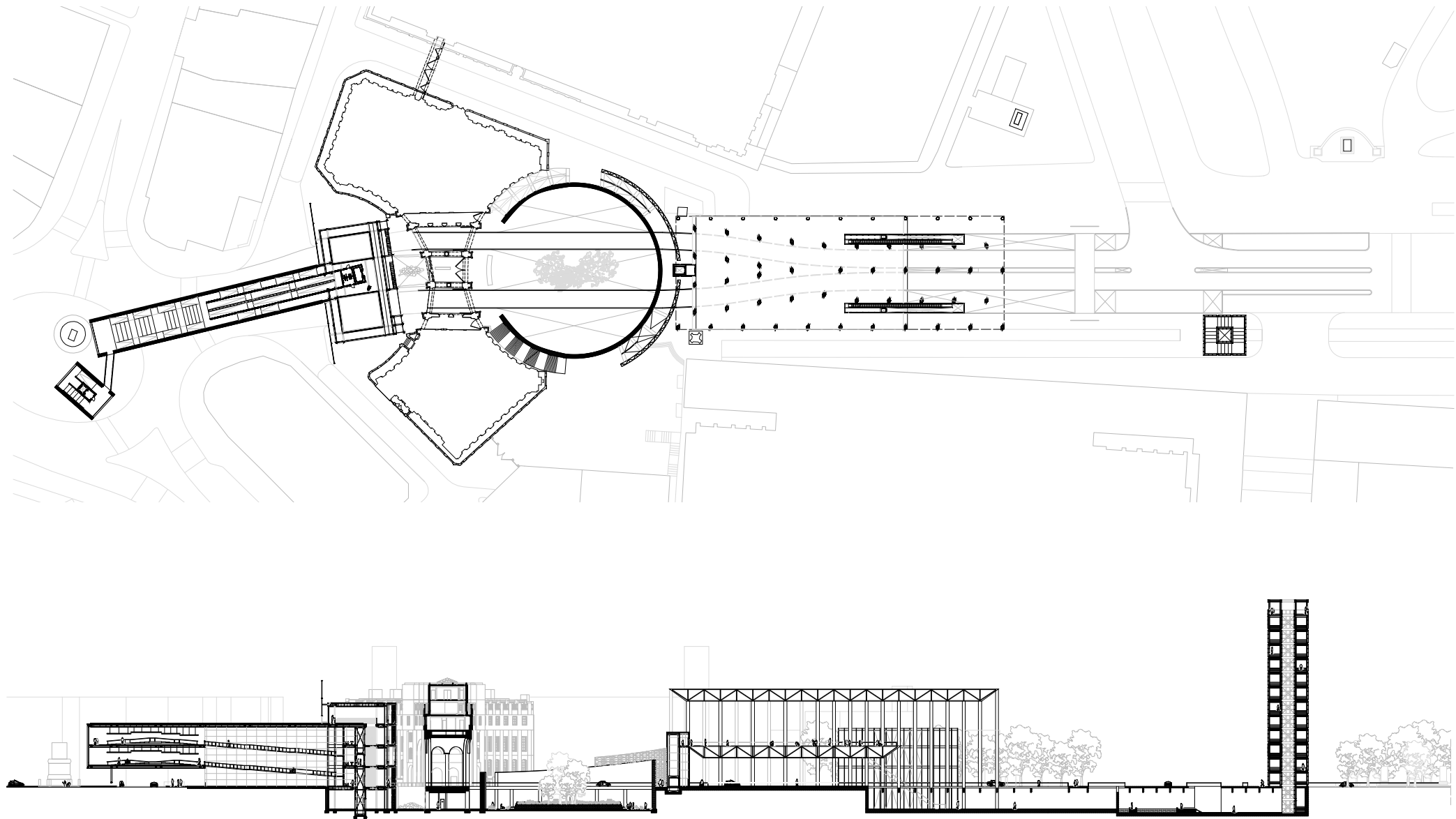
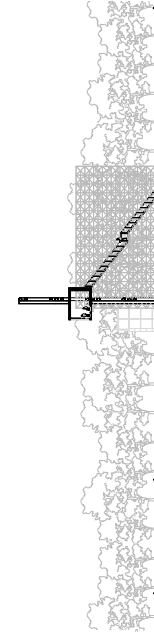
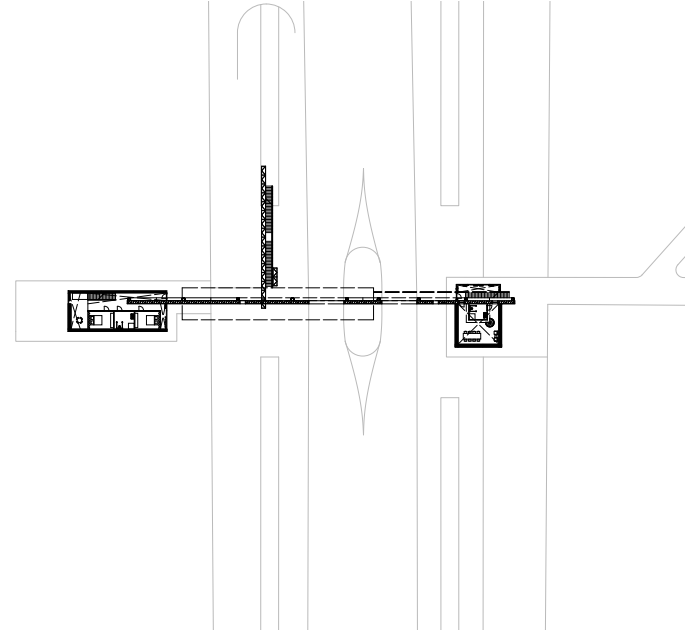
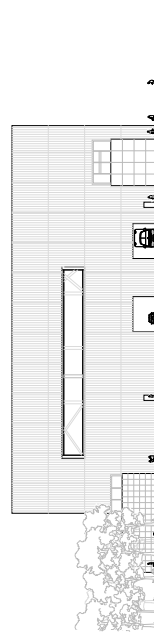
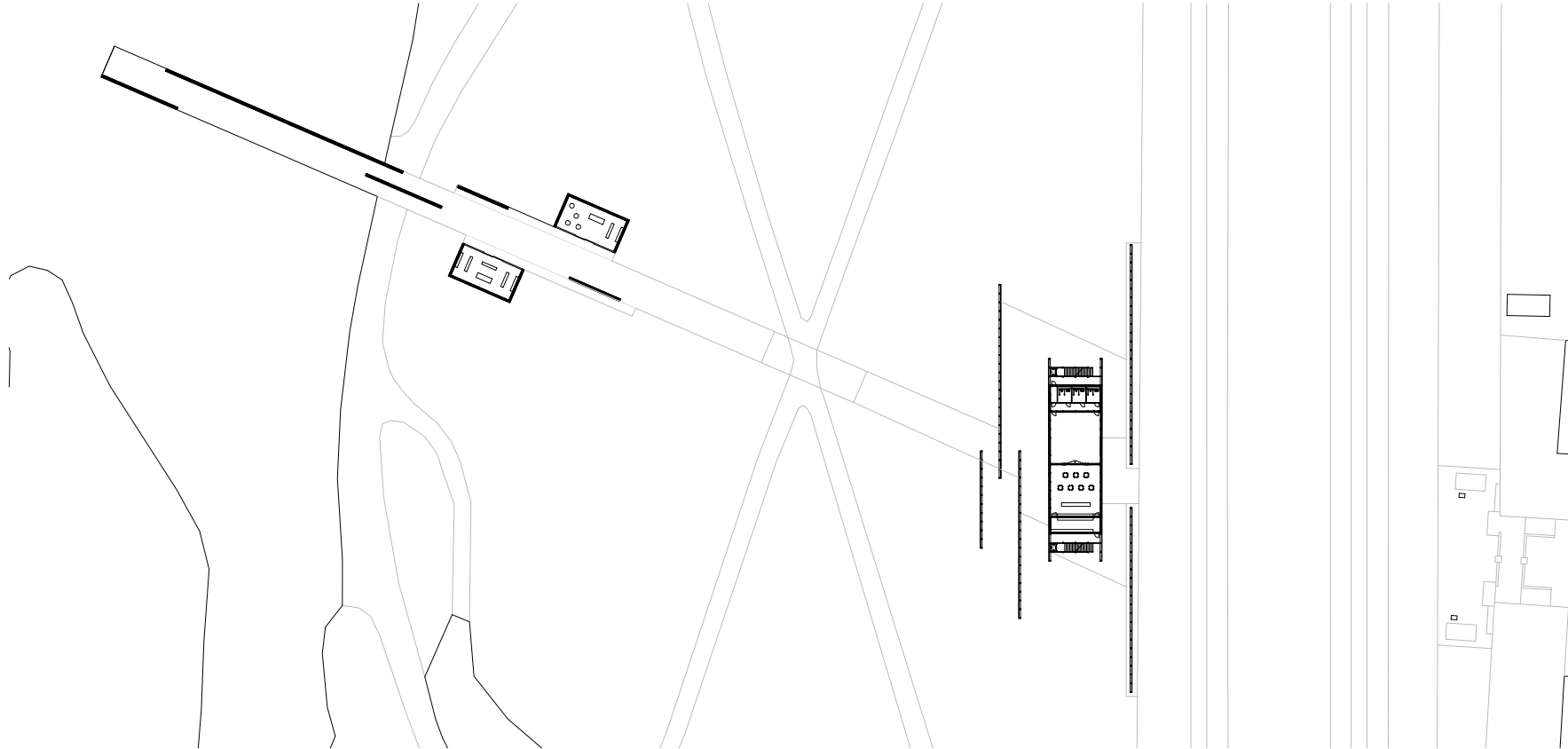


Fig. 9 - Segment Overview [City within a City]

The first segment operates as catalyst for reflection, merging the city's interfaces in a sequence of interventions.

Scale 1:200





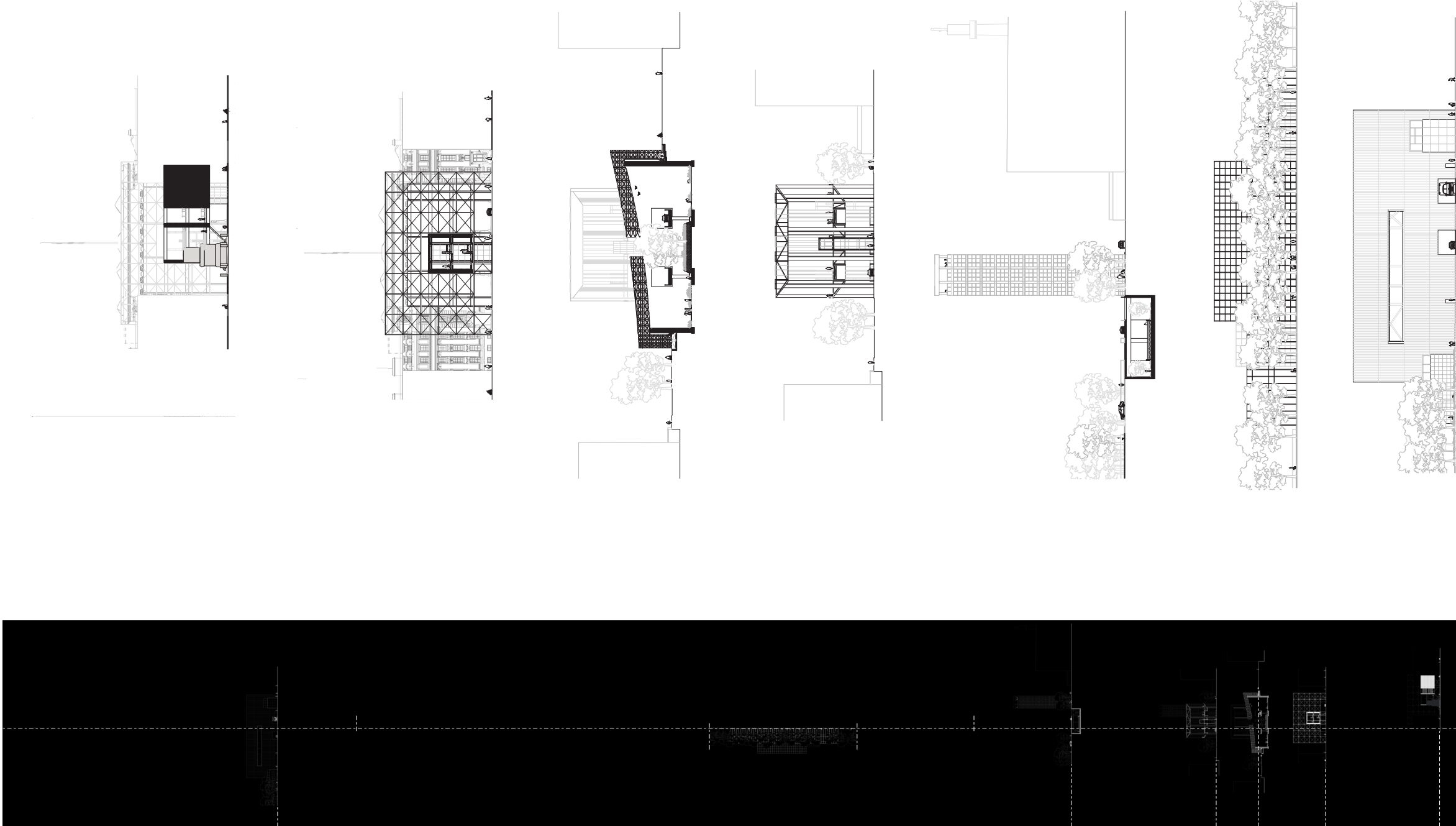
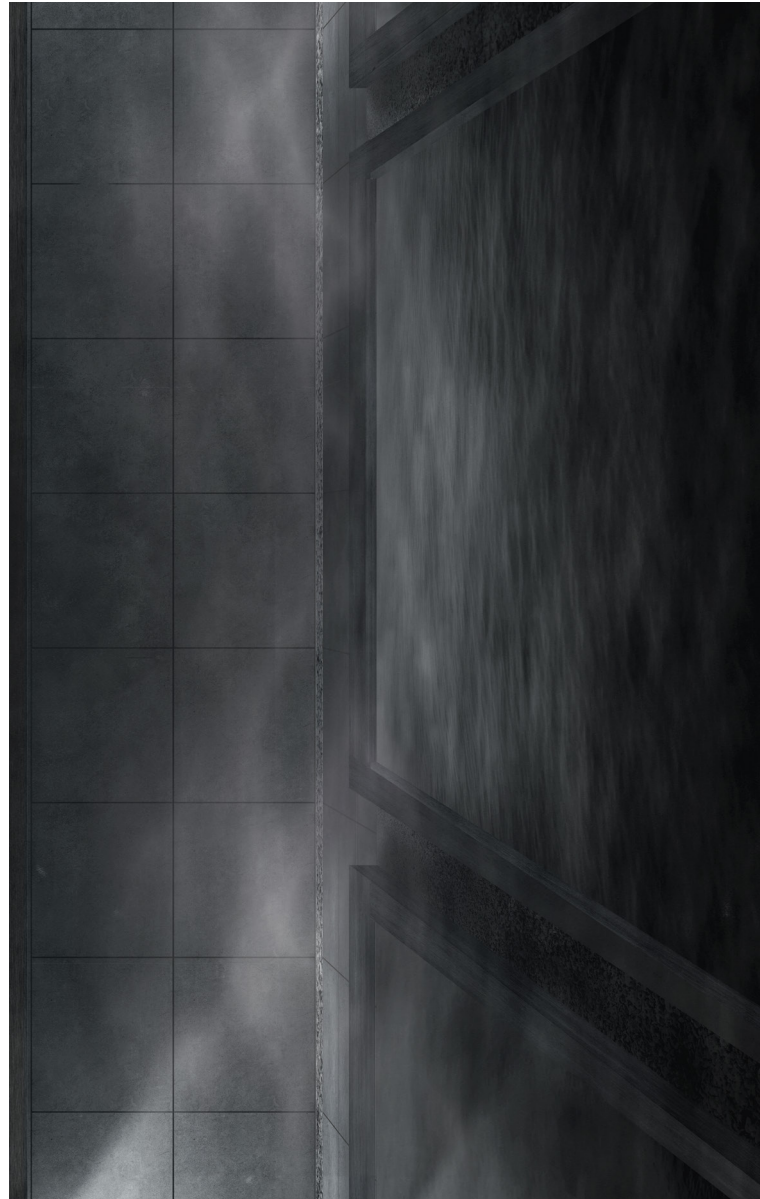


Fig. 11 - Sequence of Views

From left to right, and top to bottom: City within a city (Clinical, Technical, Natural, Urban, Political), Romantic Power of Nature, De-/Empowering Interfaces.

Scale 1:500, Scale
1:200



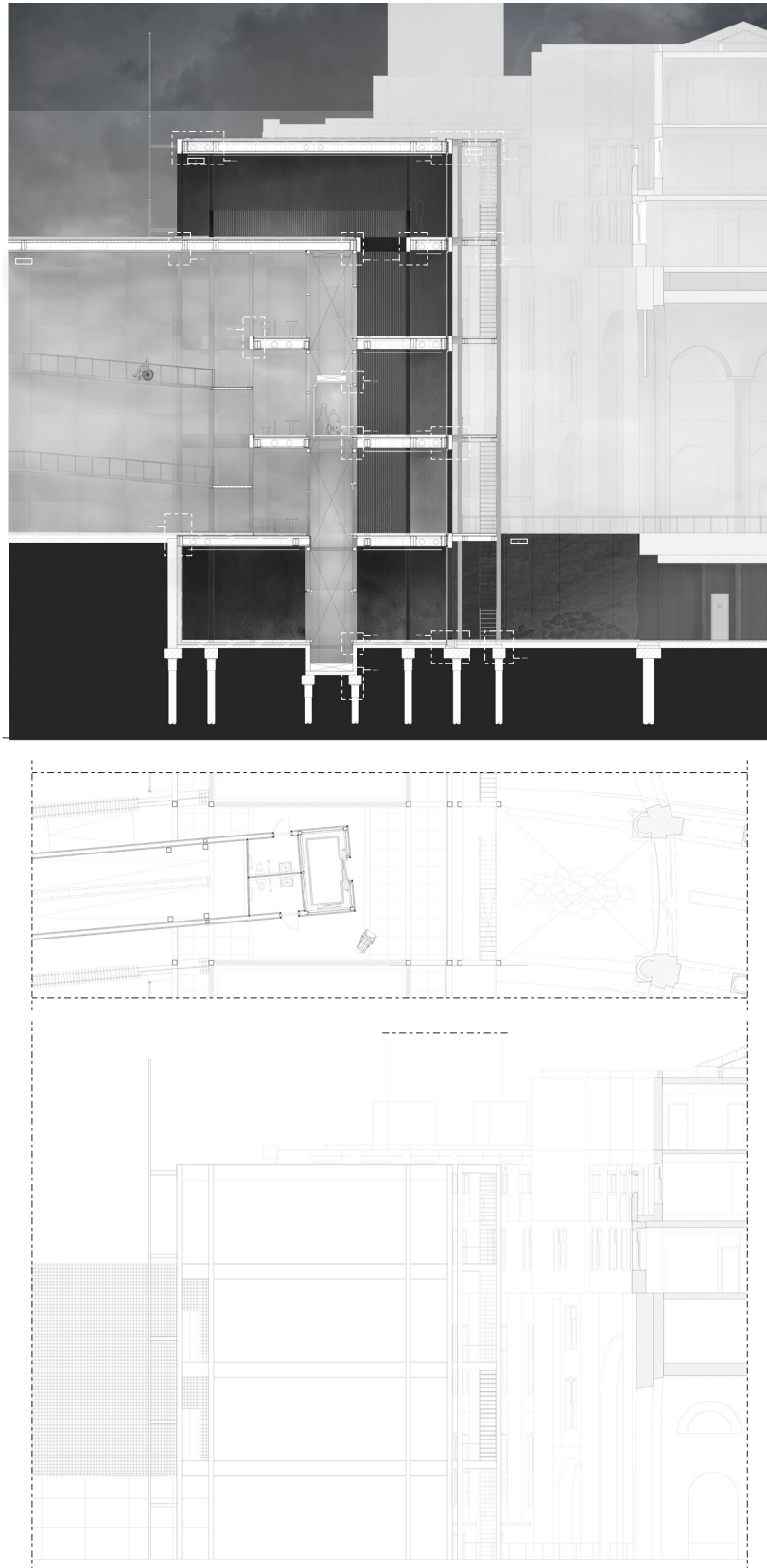


Fig. 13 - Fragmenting the In-Between

Fragment of interpuncturing volumes, establishing a sequence of interfaces, interspaces, and an approximated in-between sensation.

Scale 1:50

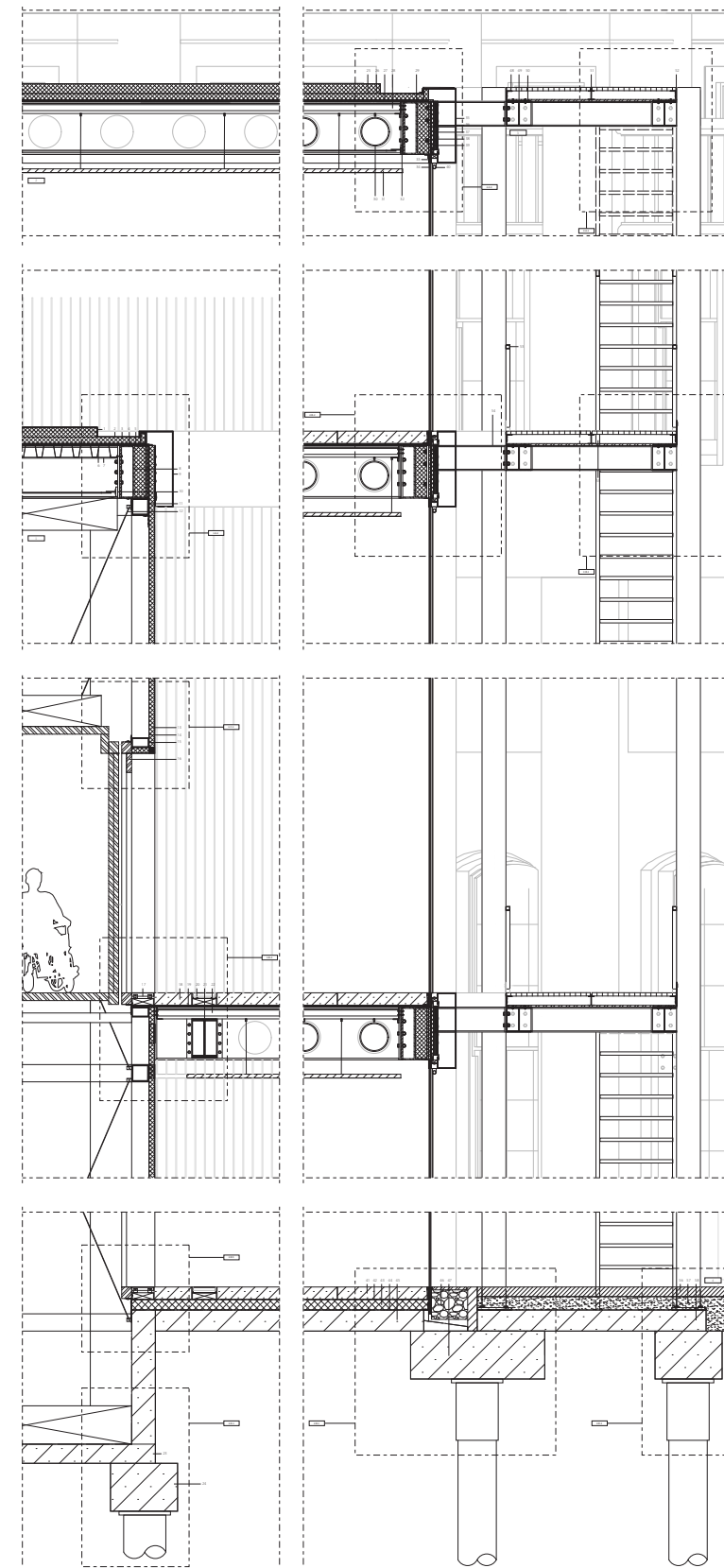


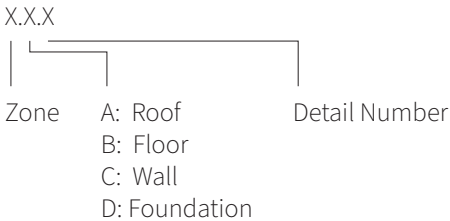
Fig. 14 - Detailing the In-Between

Detailing of the interfaces established through the interpuncturing volumes, and the sensations.

Scale 1:10

01 Building Components

Zone 1: Clinical
Zone 2: Technical (Zone 3)
Zone 3: Technical (Interface), (Zone 3, Zone 4)
Zone 4: Natural (Interface), (Zone 4, Zone 5)



02 List of Details

Zone 1: Clinical

- 1.A.1 Roof Connection (Zone 2)
- 1.A.2 Roof Connection
- 1.B.1 Floor Construction
- 1.B.3 Floor Connection
(Foundation/Zone 2)
- 1.B.4 Floor Connection (Zone 2, Elevator)
- 1.B..5 Floor Connection (Zone 2, Lift Pit)
- 1.C.1 Wall Detail (Elevator)
- 1.D.1 Foundation Detail

Zone 2: Technical

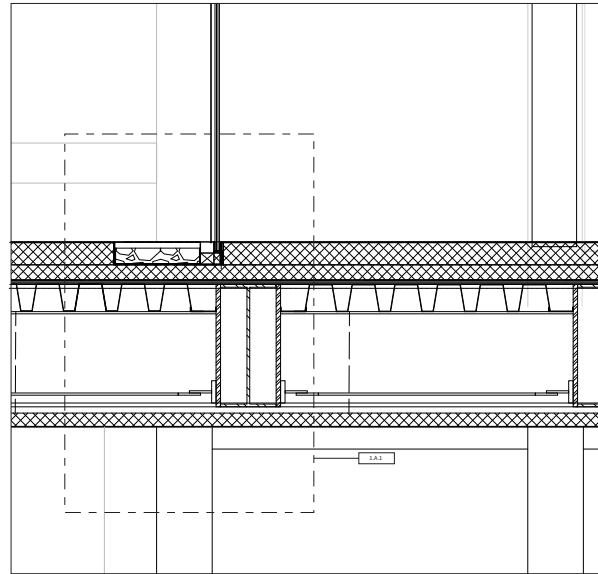
- 2.A.1 Roof Construction (Interface)
- 2.A.2 Roof Connection (Zone 3)
- 2.B.1 Floor Construction
- 2.B.2 Floor Connection (Zone 3)
- 2.D.1 Ground Level Connection (Zone 3)

Zone 3: Technical (Interface)

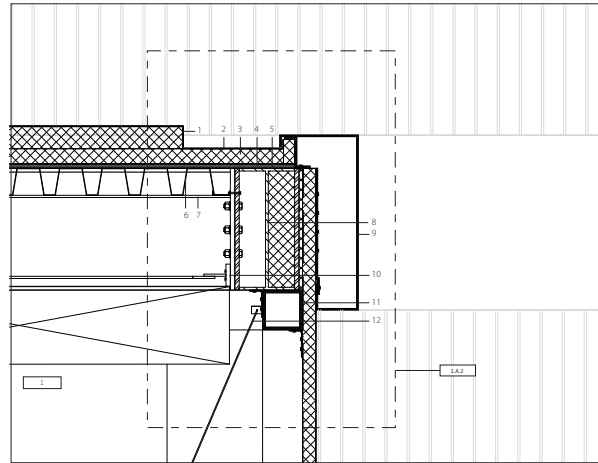
- 3.A.1 Roof Construction
- 3.B.1 Floor Construction
- 3.D.1 Ground Level Connection

03 Construction

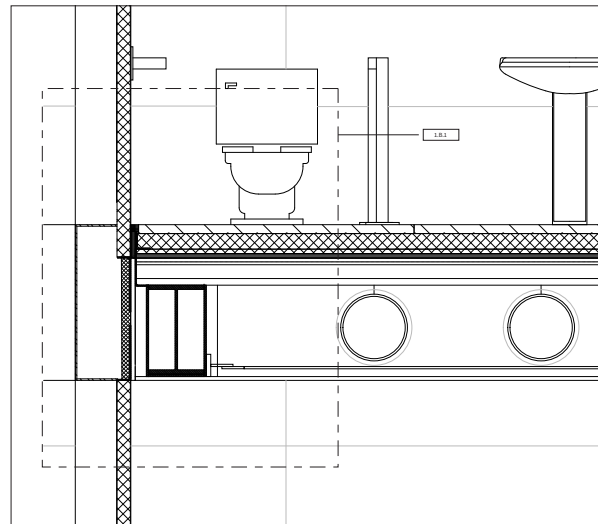
- | | | | |
|----|---------------------------------------------------------------------------------|----|---------------------------------------------------------|
| 1 | 4 mm metal sheeting | 36 | 20 mm insulation (hard) |
| 2 | vapor open foil | 37 | 20 mm sheet material |
| 3 | 170 mm insulation | 38 | vapor open foil |
| 4 | 20 mm sheet material | 39 | vapor barrier foil |
| 5 | vapor barrier foil | 40 | outdoor awning |
| 6 | 120 mm steel platefloor | 41 | stelcon plate 1000x1000x140 mm |
| 7 | support flange | 42 | vapor barrier foil |
| 8 | IPE 550 beam
(demountable montage) | 43 | 100 mm rigid insulation |
| 9 | metal edge setting | 44 | vapor open foil |
| 10 | rod bracing | 45 | 220 mm concrete slab floor |
| 11 | SHS 180 column + beams
(demountable montage) | 46 | gravel case |
| 12 | wind bracing | 47 | pre-fab concrete foundation beams |
| 13 | stainless steel sandwich panel
(70 mm insulation) with vapor
barrier foil | 48 | steel slatted floor |
| 14 | vapor open foil | 49 | HEA 240 beam
(demountable montage) |
| 15 | RHS 100x180 beam
(demountable montage) | 50 | steel plating |
| 16 | stainless steel lift door | 51 | tile carrier |
| 17 | steel tray | 52 | steel angle profile |
| 18 | stelcon plate 1000x1000x140 mm | 53 | steel balustrade |
| 19 | 20 mm sheet material | 54 | HEA 240 mm steel coupling beam
(demountable montage) |
| 20 | integrated steel cable tray | 55 | steel stair base |
| 21 | cobbler beam HEA 400
(demountable montage) | 56 | gravel |
| 22 | 120 mm steel plate floor with
insulation | 57 | sand |
| 23 | 1200 mm pre-fab concrete lift pit | 58 | pre-fab concrete foundation beams |
| 24 | pre-fab concrete foundation beams | | |
| 25 | vapor open foil | | |
| 26 | 170 mm insulation material | | |
| 27 | vapor barrier foil | | |
| 28 | 120 mm steel plate floor with
insulation | | |
| 29 | IPE 550 beam with openings
(demountable montage) | | |
| 30 | ventilation shaft | | |
| 31 | acoustic panel | | |
| 32 | IPE 550 beam with openings
(demountable montage) | | |
| 33 | glass clamping (neoprene, steel
plates) | | |
| 34 | triple glazing (sun protection,
normal, opaque/transparent) | | |
| 35 | metal edge setting | | |



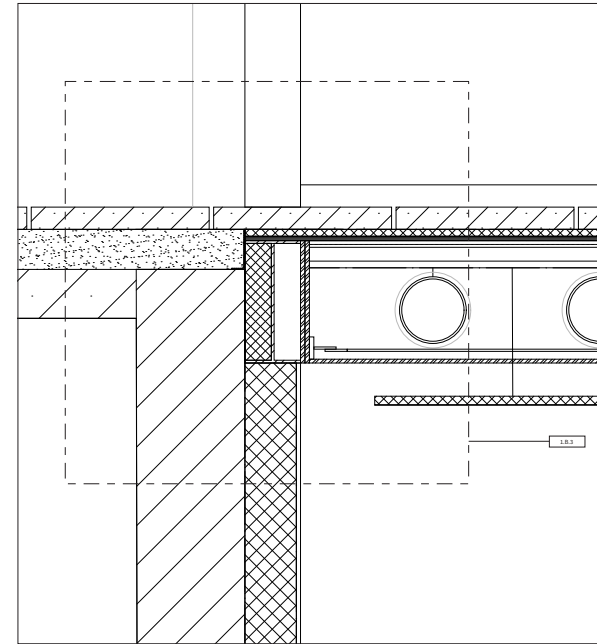
1.A.1 Roof Connection
(Zone 2)



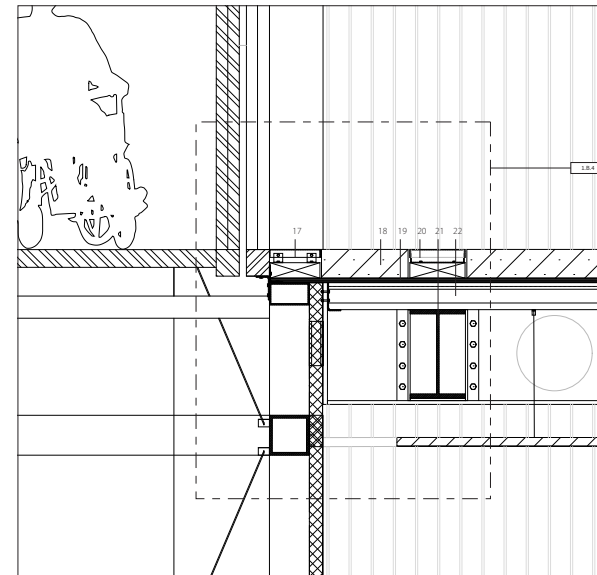
1.A.2 Roof Connection



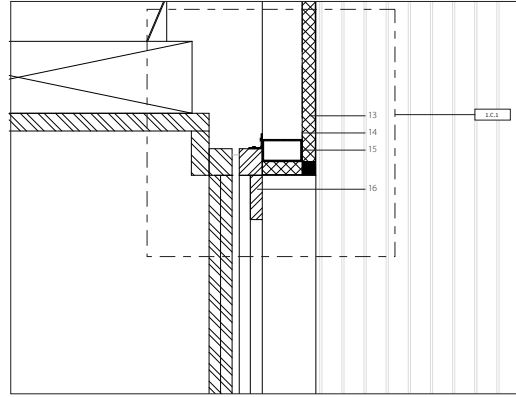
1.B.1 Floor Construction



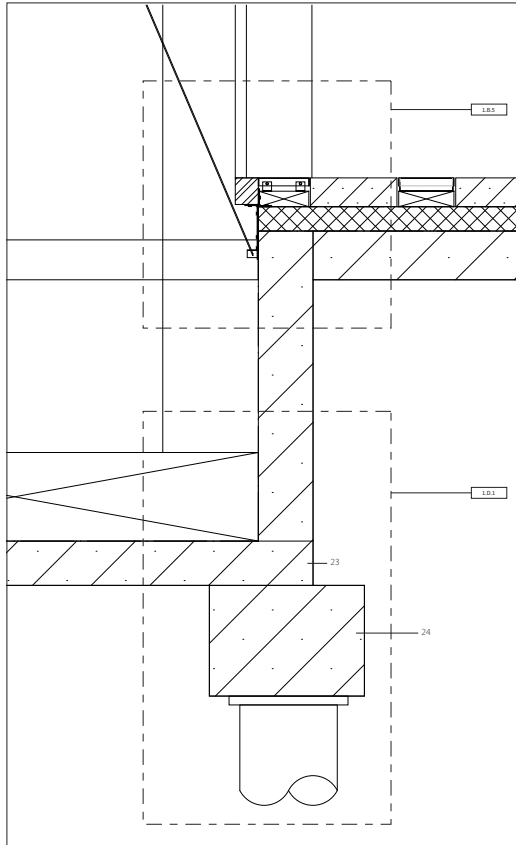
1.B.3 Floor Connection
(Foundation/Zone 2)



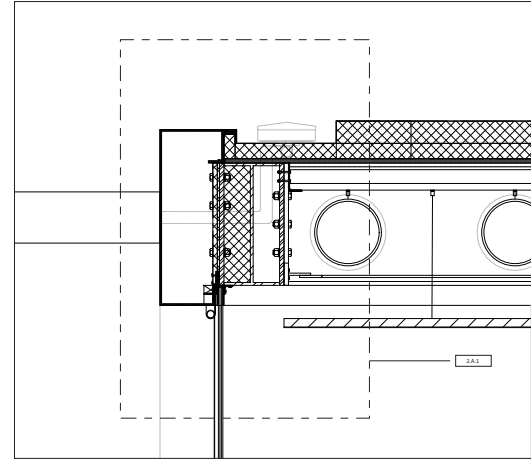
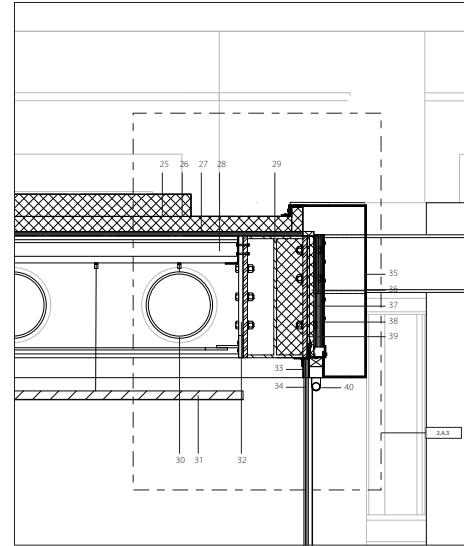
1.B.4 Floor Connection
(Zone 2, Elevator)



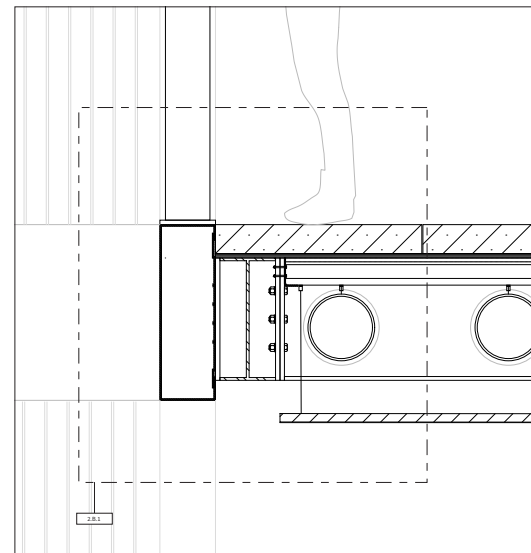
1.C.1 Wall Detail (Elevator)

1.B.5 Floor Connection
(Zone 2, Lift Pit)

1.D.1 Foundation Detail

2.A.1 Roof Construction
(Interface)

2.A.2 Roof Connection (Zone 3)

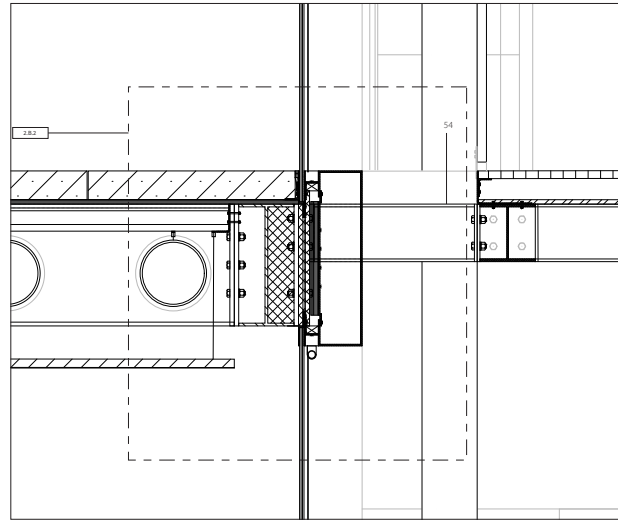


2.B.1 Floor Construction

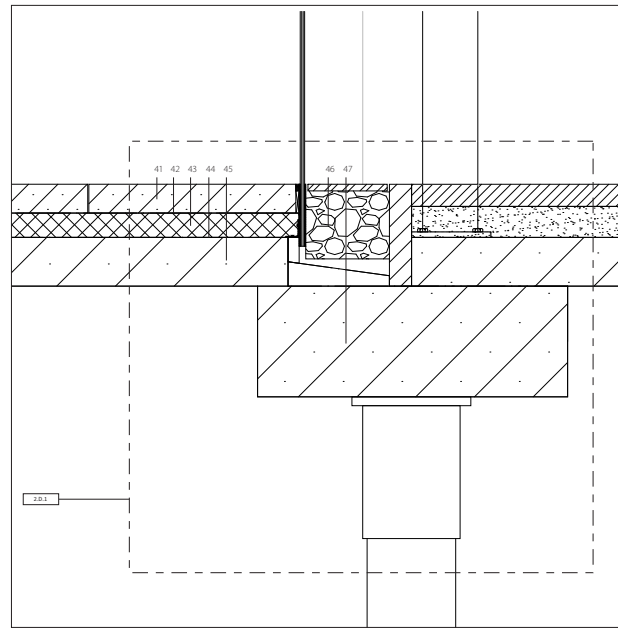
Fig. 15B - Detailing the In-Between

Detailing of the interfaces established through the interpuncturing volumes, and the design of sensations.

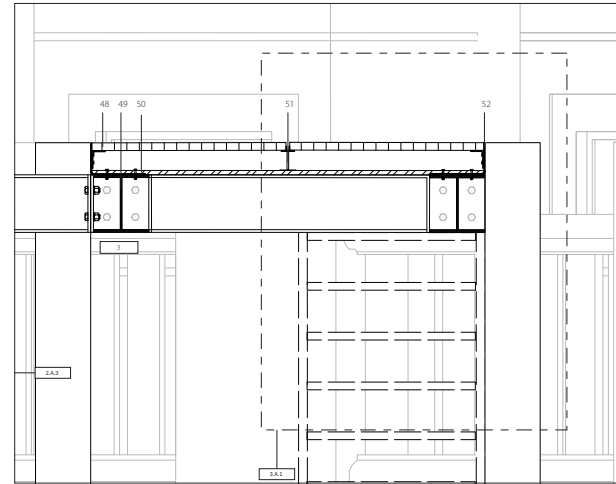
Scale 1:10



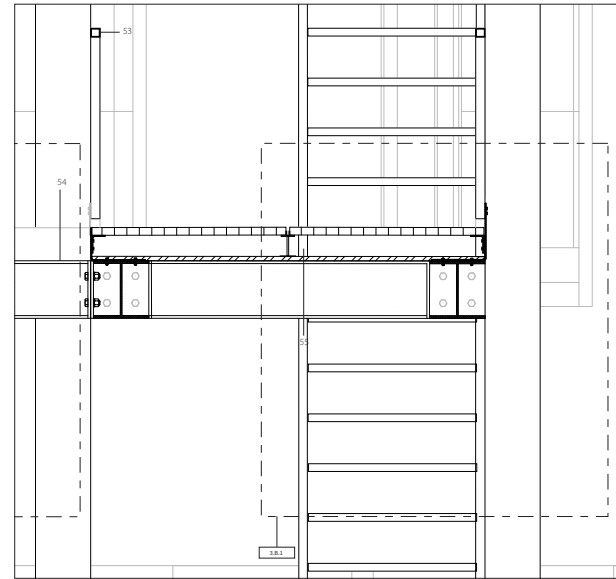
2.B.2 Floor Connection
(Zone 3)



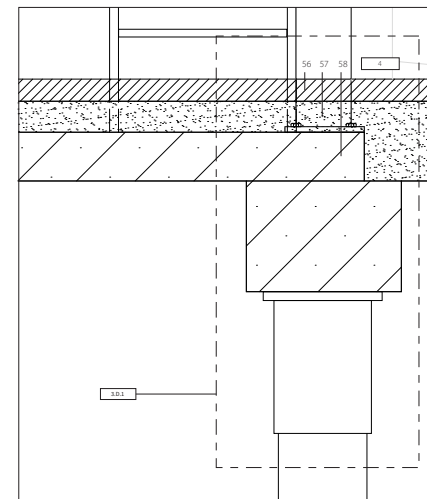
2.D.1 Ground Level
Connection (Zone 3)



3.A.1 Roof Construction



3.B.1 Floor Construction



3.D.1 Ground Level Connection

Fig. 15C - Detailing the In-Between
Detailing of the interfaces established through the interpuncturing volumes, and the design of sensations.

Scale 1:10

IN-BETWEEN OTHERS
DECONSTRUCTING DICHOTOMIES OF (POWER) BODIES

Keywords: bodies, heterogeneous city, in-between, interface, interspace, institutions, model of relations, othering practices, power.

I	CONTENT
01	Products
01	Translation
02	Process
01	Process
02	Methods
03	Reflection
04	Discussion
03	Projections
01	Discussion
02	Project Reflection
03	Personal Reflection

In this chapter I will reflect on the graduation research, the translation of research within the design, and the embeddedness of research objectives within the design of the proposed project. First, by introducing the design objectives, and the first reflection on the translation towards the proposed design project. At last, a thorough analysis of the design project in relation with the conducted research.

00 Introduction

Within the graduation research, the embeddedness of institutions is questioned in relation with the practices of othering, that is a reoccurring issue within (contemporary) society. The research, which focussed on the Greater City of London as test site, resulted in a strategy of reconstruction of in-between relations at the site of prominent structures of power. Deriving from the research, the intervention location was proposed, to be located at the site of sequentially, the intersection of The Mall, Trafalgar Sq, Northumberland Ave, and Whitehall, the Admiralty Arch, and the passage of The Mall, leading up towards the Buckingham Palace.

01 Design Project

The vast passage of The Mall, as connector of Trafalgar Square with Buckingham palace, now operates as an interface within the connection of the North-Western part of the city with the St. James Park. Additionally, the Admiralty Arch, operates as an interface in the connection with the North-Eastern part of the city.

Both the passage, as the arch, establish large scaled institutional interspaces that frame the confrontations of bodies solely in relations with power. The sequence of interspaces have fewer interfaces, often of larger scales, followed by large intervals.

Similarly, resulting from the research into the in-between relations at the site of investigation, are the approximated predominantly large scaled, dense relations in the interspaces, at the site of the intersection and the area surrounding the Admiralty Arch. Here, the concatenation of processes are mediated at the center of the intersection. Connecting Trafalgar Sq, Northumberland Ave, Whitehall, and ultimately, The Mall.

Hence, the intervention proposes a (de)construction of the in-between, by establishing alternative relations within these institutional interspaces (Trafalgar Sq.

intersection, Admiralty Arch area, The Mall). Making use of the characteristics of interfaces, interspaces and potential in-betweens.

An intervention of (de)construction, similarly to the embeddedness of relations of power, constructs different in-between relations, making use of multi-scalarity and multi-layeredness within their construction. As concluded from the research into an architecture of affect, the intervention will make use of a strategy of fragmentation and collage. Herein, divergence is used to establish contrast within the confrontations of bodies. As there is no pre-described definition of how architecture can be of affect. Through this, the architecture aims to establish varying conceptions and performances, which aim to achieve a broadening of the self.

Ultimately, within graduation project "In-Between Others", the architecture re-establishes relations between dichotomies of different typological bodies (human, urban, architectural, power), exploring the potential of (spatial) in-betweens. While simultaneously, it reflects on the relations of bodies of others (urban, machine, natural, animal, architectural).

02 Multi-Layering

The intervention's first layer was constructed making use of the catalogue of fragments, resembling the different interfacial characteristics as found on the transect in line with the site. These were positioned responsively, towards the existing interfaces and interspaces, embedded institutional strategies, and in-between relations. Together the fragments form a pathway which can either be followed consecutively, interruptedly, or incidentally.

To establish an architecture of affect, the intervention makes use of the strategy as specified as the in-between of affect. The strategy includes the six characters as specified: reciprocity, heterogeneity, catalyst, broadening, interface (change), pheromone. The characters are positioned within the layering of the architectural collage. Particularly used to specify how the sequence of confrontations should be designed, to lead to the effect of a beyond of othering amongst bodies.

Resulting from this, the intervention was divided in a sequence of (dis)interrelating layers and relations, that together establish

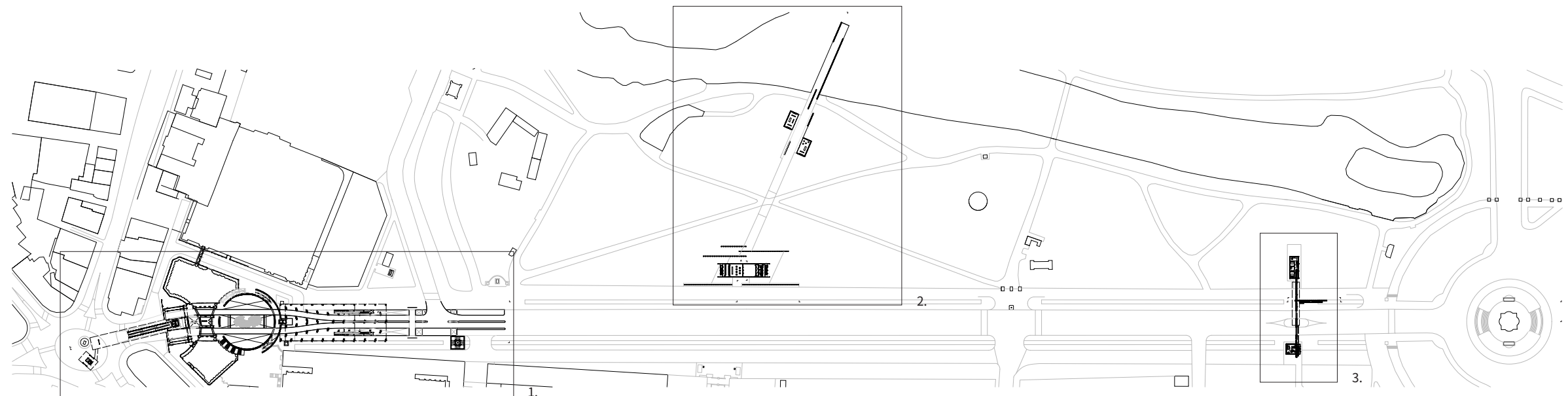


Fig. 1 - Intervention Proposal of Segments
From left to right: City within a city, Romantic Power of Nature, De-Empowering Interfaces.

Scale 1:500



a collage of confrontations of different sensations and experiences of bodies. Herein, there is a constant interchange between either the self and the other, or common and other. Either converging relations specifically to the individual bodies or diverging the relations responsively towards social bodies. These sensations are emphasized through the architectural program, establishing moments of a.o. empowerment, nullification, and broadening, evoking reflective confrontations.

02 Multi-Scalability

The intervention is operational on different scales, establishing both urban, architectural and bodily relations.

On a larger scale, the intervention reflects on bodies experiences within the contemporary heterogeneous city of London. The different zones resemble the transition of interspaces throughout the city, from functional, to technical, natural, urban, ultimately, political. At the same time, the intervention reflects on the specificity of conditions and characteristics as found on the site of the intervention.

Reflecting on the interrupted connection of the city with the passage of The Mall (park/palace) and the missing connection of the park with the North-Western part of the city, both to establish hierarchical (power) structures leading up towards the palace.

Herewith, it makes use of the characteristics of interfaces and interspaces that enable these conditions. Hence, it makes use of existing fragments of relations as found on different scales surrounding the site of the intervention. Ultimately, establishing relations of nullification, responsivity, or dominance.

The design may be considered a sequence of zones. Both individually and mutually, the zones operate according to varieties of/ in interfaces, interspaces and in-betweens. Whereafter, the different zones become either or both, sequential, reactive, and/or intertwined.

By carefully designing (de)centralized

relations of interfaces, interspaces and in-betweens, the architecture operationalizes acts of movement/performance and conception, both before, within, and between different zones. At the same time, framing the relations on the scale of the city, the site, the architecture and within/amongst bodies.

Programmatically, the intervention operates as operator of affect towards a beyond of othering between bodies.

First, by a continuously changing relation of the individual and social body. Establishing alternately, individual reflections with social relations.

Second, it questions the notion of the "standardized body". The intervention establishes contrast in (dis)enabling movement for all/different bodies, creating moments of choice and divergence. While at the same time, the toilet is standardized to be genderneutral disabled. Herewith, it expresses both the complexity of the variety of/in human bodies, while also aiming for an improved common.

Third, it reflects on the relations of human bodies with other bodies (urban, machine, natural, animal, architectural). Wherein, the intervention transgresses the disciplines of architecture, while finding the in-betweens of architecture, with infrastructure-, urban-, and landscape design.

Within the design, the use of different scales of elements, the intervention makes reference to different bodies, institutional typologies and strategies, characteristics of existing interfaces (a.o. elevator, ramp, stairs) and interspaces (a.o. walls, passages, courtyards). Through this, the intervention evokes different types of use and conception, linked to different forms of reflection.

Hereby, the intervention enables different (scales of) uses. Different actors, as for instance, the passer-by (planned/incidental), the tourist, and/or the targeted visitor. Moreover, different types of use, a.o. traffic, work, leisure, recreation, protest.

Architecturally, the intervention has been designed as sequence of sensations/experiences. To establish an in-between

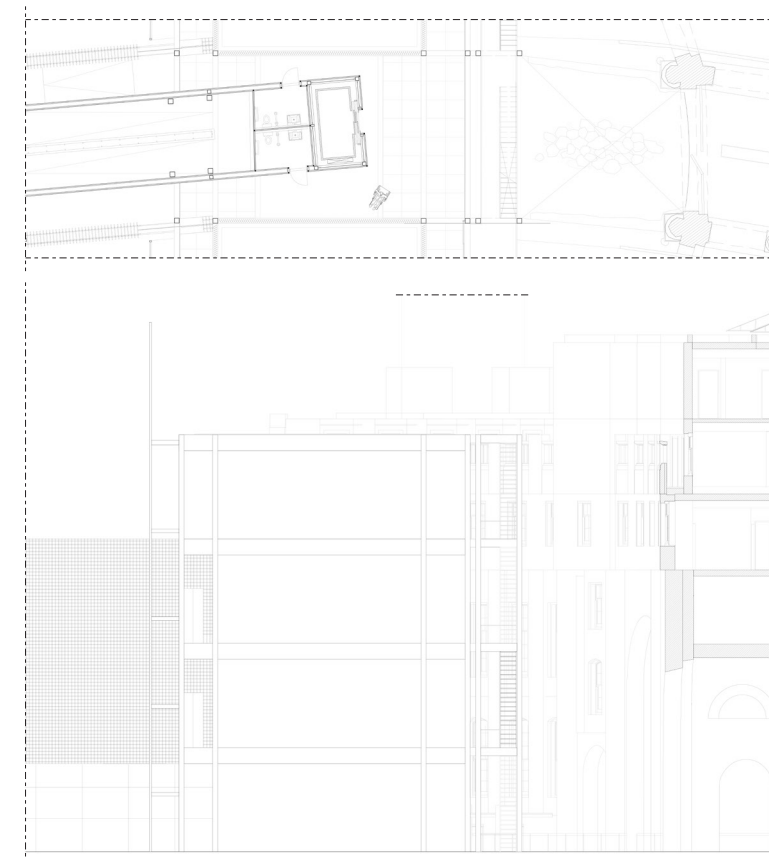
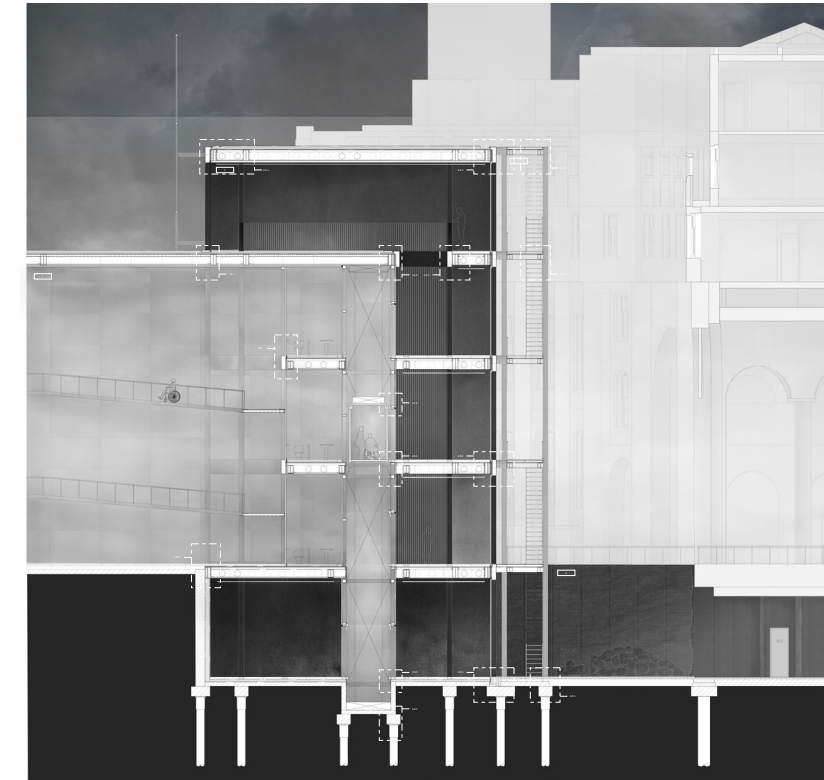


Fig. 2 - Fragmenting the In-Between

Scale 1:50

of affect, the zoning architecturally is emphasized by making use of sequence, reference and divergence/contrast within their construction (Fig. 7). Though there is still strong interrelation (variable in degree), both architecturally (materiality, layering, circulation), as climatically (ambience, predominantly non- and or semi-climatized, and semi-open/-secluded spaces), and constructively (process-based, layering, remountable). Ultimately, the scaling result in the architectural operationality which both emphasizes the performativity of a zone, as the sequence.

03 Sequence

The intervention may be considered as separative into three segments (Fig. 5). Together the three segments, as potential pathway, establish a narrative as response to the existing relations, reconstructing their in-betweens.

03.01 Functional-Technical-Natural-Urban-Political

The first intervention, *City within a City*, is a reflection of the city's conditions, as it acts as a catalyst for reflections. The first intervention, therefore, may be considered a merging of the sequence of interventions. Herein, the intervention resembles the course of the city's interfaces, with sequentially technical, clinical, natural, urban, and lastly political. Resembling the climaxed appropriation of the institutional interspaces. Hence, the first intervention ends at political, with the last two typologies (romanticizing power, empowering), as in reality, situated separately.

The intervention is first introduced at the center of the intersection. Within the middle of concatenating processes of the adjacent streets, connecting with divergent parts of the city, the intervention introduces a sequence of rise points. The first, which is located decentralized from the Statue of Charles I,

offers a rise through an elevator. The passer-by gets sucked into the intervention, moves up, and arrives on the first floor. Here, two extreme sides of the city are on display. The second rise is slightly pivoted compared to the first, similarly decentralized, and facing the statue. Sequentially, the second follows the first, with a rise point positioned on the crossing in front of the Admiralty Arch. A slope slowly transcends the body towards the first floor. While arriving, watching over another (third) view of the city. Both rise points distinct from the parent volumes. The solid characteristics of the rises' volumes puncture through parent volumes with an openworked facade. The volumes, identified as technical, are materialized with a similar structure of metals, resembling warehouse structures as reference to processes within the institutional system. The degree of openness of the facade enables a form of seclusion, while still enabling direct sensory relations with sounds, smells, and weathers (Fig. 8).

The two volumes together form a whole, while being pivoted, with the connection of a bridge. Together they form a tunnel, with amidst an oversized staircase providing a multifunctional use as event space, and on both sides an asymmetric sequence of cascading ramps. The different levels of ramps, demand interaction to reach the plateaus of the stairs, as they represent the reciprocity within subject and object relations, and break through the dominance of the stair over the ramp.

The volume of the tunnel, connects the intersection with the Admiralty Arch. However, instead of following the options of choice as provided by the arch, the second part of the intervention forms an obstruction which narrates the selection of paths. The tunnel punctures through the volume of the obstruction, clinical, wherein it ends at the middle of a space which functions as a platform for traffic. The double facade and row of columns, refer to the typology of the arcade, while it enables unilateral views of the inaccessible exhibition space. The interpunction stimulates walk

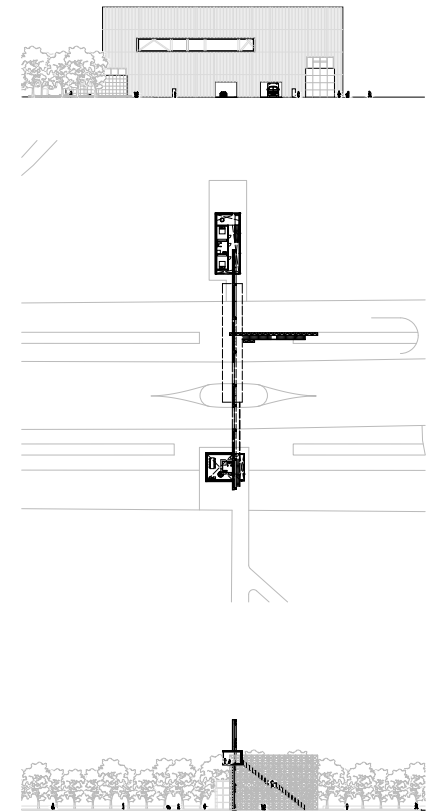
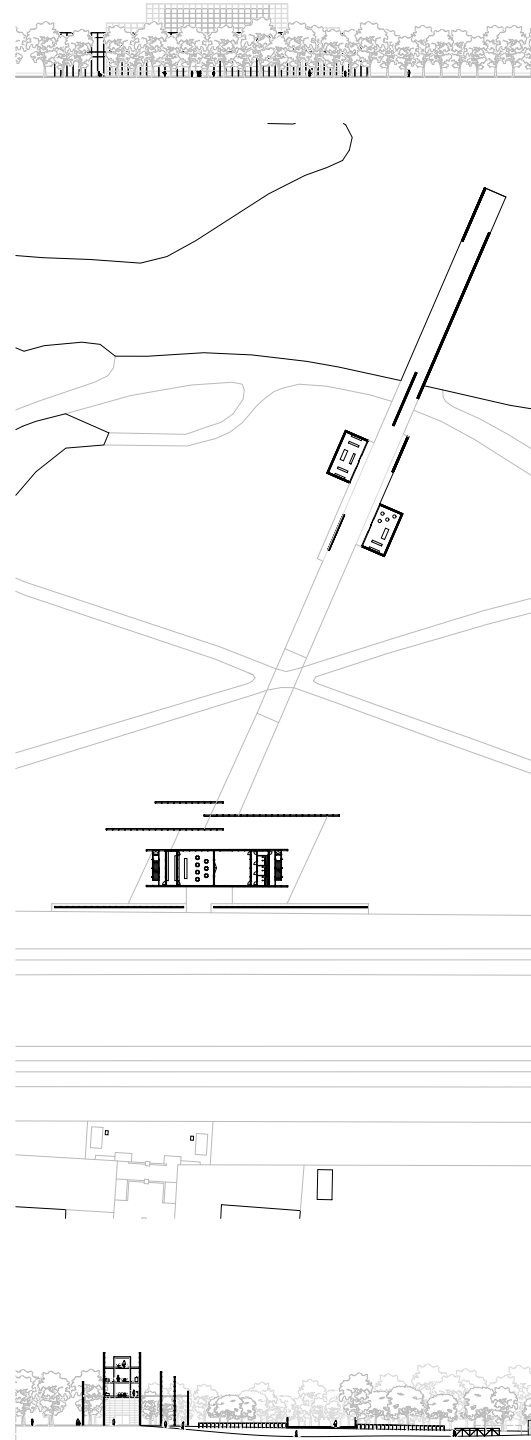
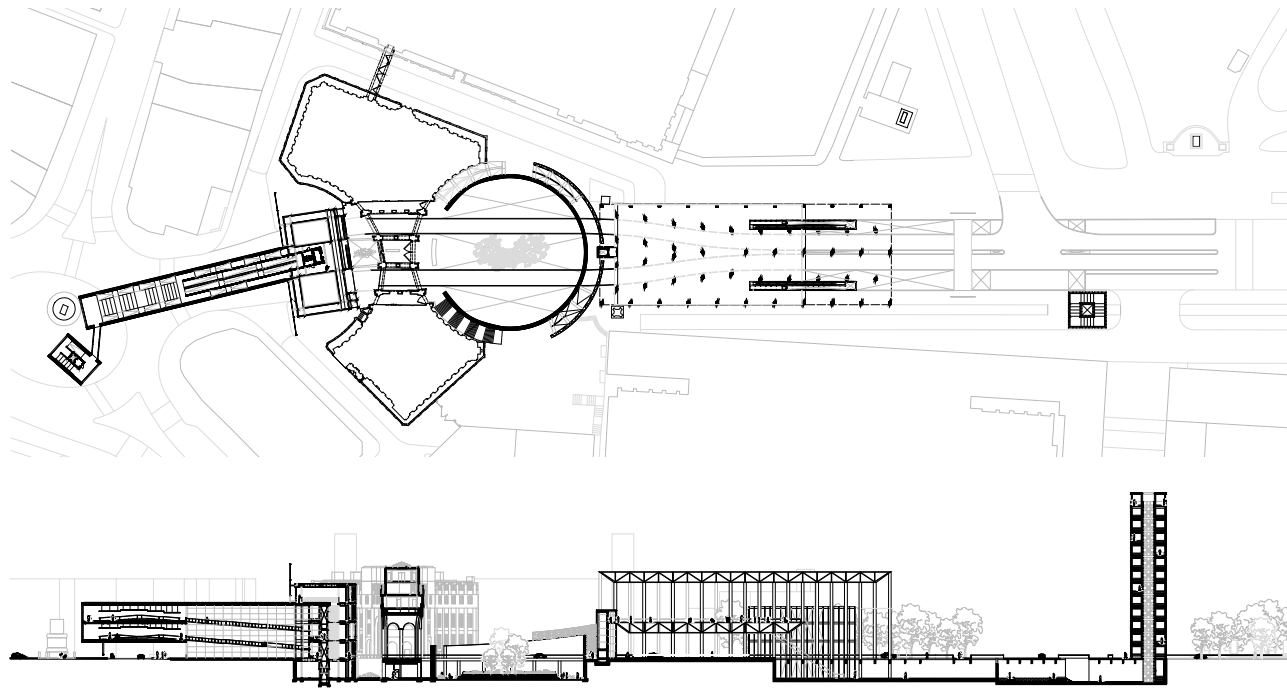
within the (double) facades, while the circulation obts for changing levels. The layering of interfaces, with the use of puncturing volumes, layering of the facade and the narration of views, establishes moments of delay and transition. Together, the colliding volumes and interfaces establish a confusion of movement within the space, whereby it either stimulates a (reciprocal) continuation of movement, in line/averse with the sequence, or within (walls of) the platform. The second part, operates as center of gravity within the sequence, and after the convergence within the tunnel, it enables a moment of puzzlement. The interlocking volumes, with the succession of interfaces, represent the apparent potential of in-between relations as could be considered. The endless wander through (alternately) the two interventions, is thoroughly disrupted with the sideways movement following the structure of stairs, pushing down. From the structure's balcony, first faced with the proximity of the arch, while quickly being confronted with its less-representative

underground basement. From here, the path continues through the narrow passage within the arch's basement. A skylight provides a beam of light, emphasizing the darkness and narrowness of the corridor. At the end, it opens up to the third part of the intervention.

The third part, opens up the original interspace, which was positioned behind the Admiralty Arch. While the interfaces of the interspace, formerly split up the entry to The Mall, divergently on both sides, into two levels. The intervention emphasizes the interspace by the creation of a courtyard, while simultaneously, establishing a roundabout which connects the different levels, while rotating the circulation of bodies around the traffic' level of cars. This careful play of actors, emphasizes the dominance of cars over the dominance of bodies. Herein, it is forms a first introduction, what later becomes an ungoing battle between both actors (cars and bodies). The roundabout, which connects to the corridor of the basement, is carved out of the service hall of the Admiralty Arch. Through this, the suppression of lower positions



Fig. 3 - Abstract Impression Technical: Catalyst for Reflection Processes



of class, are being nullified while making it accessible. Though, while providing full circulation towards both sides, the circular corridor is only accesible as roundabout specifically for the standardized body. Splitting the accessibility of the path, between either the standard or disabled body. As the rise of levels, within the circular corridor, is split between either the rise through ramp or the use of stairs. The third part of the intervention, is identifiable as natural, as it refers to the dichotomy of nature and body. With the creation of the courtyard, within the roundabout, underneath a crossing of cars, performing as an oasis of green, amidst what may be considered the acts of the human body. Proportionally checked by the materiality of the courtyard, as rampant among stones, or confined by a wooden structure, the intervention questions the definition of nature as either being static or unconfined. The materiality of the third, reflects on this dichotomy of human and nature. With the use of shells, of simultaneously stone and earth, and lastly, of steel. Hence, the materiality of

steel, continuously within the intervention, resembles the act of change.

Halfway the roundabout, the interface, as connector of the third and fourth parts of intervention, provides a breakthrough and ascension of circulation, by rise of an elevator. The rise, which is similarly materialized as the first' rises, refers to the connectivity of the city, while connecting the path with an urban square. While exiting the point of rise, the serenity and endlessness of the square overwhelms the body in its first encounter. First, with the sight of the square, materialized as a completely white forest of steel columns. Established with diverging patterns of columns, referring to the heterogeneity of the city. Ultimately, following the line of the underlying traffic of cars. Soon, the body's hearing is stimulated by the sounds of the underlying traffic of cars. Later with sight and through passing, vaguely, the body is able to sketch the silhouette of passing cars. The urban square provides a first view over The Mall, simultaneously, the Admiralty Arch and the intervention. Wherein

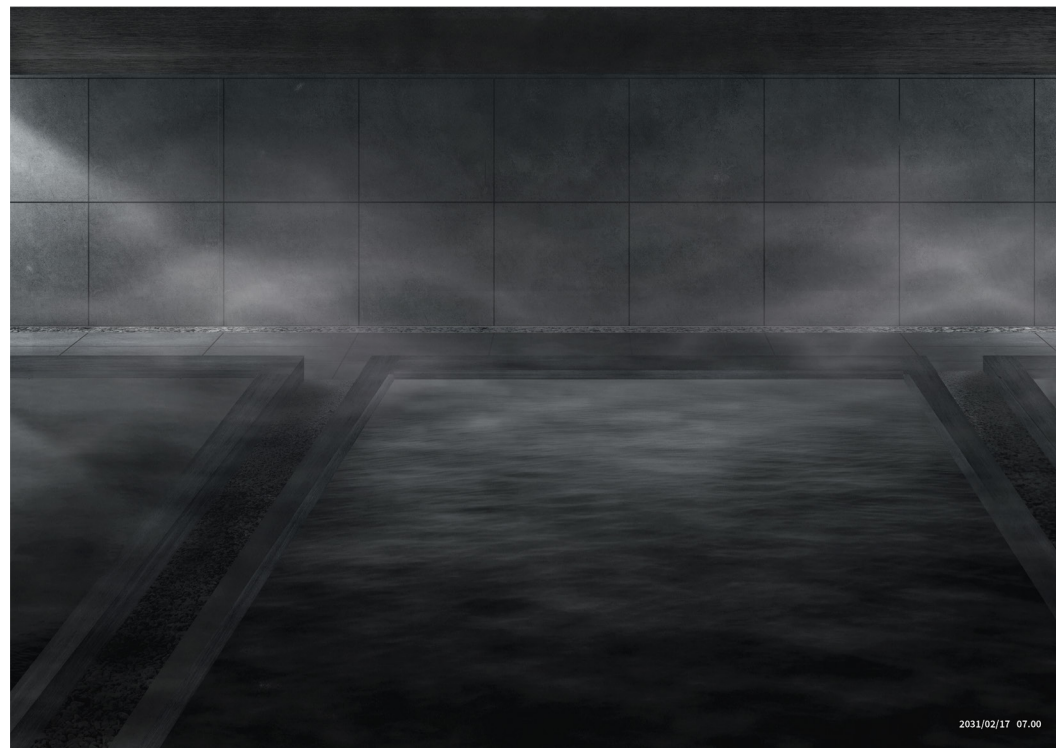


Fig. 5 - Abstract Impression Political: Conflict of the Nullified Selves

it establishes interspaces, parent to the level of the large structure of traffic, alternately for the wandering of individuals and gatherings of the social body. By varying the size of width within the urban square, and by use of the column' patterns and the puncturing volumes. The heterogeneneous field of columns, dominates in view, as carrier of the urban. Almost completely vanishing the thickness of (urban) levels.

In parallel movement, the fifth part of the intervention overlaps the fourth. Connected by two glass rise points, which houses both rises through elevator as escalator, again splitting the movement of bodies. The two rise points, similarly, connect the intervention on three different levels (+1, 0, -1), on both sides of the road.

The fifth part of the intervention is identifiable as political. Resembling the transcendence of the city's institutional interspaces, where the political often suddenly disrupts the urban. Though deviating, as this relation is transformed and alternatively used.

After ascending the points of rise, from either parent level, the body is situated, again, underneath ground level. The endlessness of the square of the fourth, in section, is emphasized by the extension of the roof and similarly the columns. While the columns puncture through the garden, similarly, with a traffic overpass, and the ultimate height differences, creating a sense of oppression within the entrance of the political garden. The overpass then splits the political garden in two selected pathways. Wherein, the social body quickly is being forced to split up, followingly, as the individual body. Herein, the passage is materialized as mediation garden. Where the body is forced on an individual meditative path of reflection, amidst the institution and (its) domination of cars, walking towards an apparent "dead end".

At the end of the passage, before going underneath, the body is at last confronted with an overpassage. Whereon, another level bodies are able to cross both the dominated body, as well as control the traffic, by crossing the street of cars.

Eventually, as the bodies from both sides, reaches the end of the passage, the bodies turn, to then be confronted. First, through mist and darkness, then the large water pounds, and later, with the selve(s) (Fig. 10). While the bodies turn, they are forced to choose either between the two paths. Both paths are situated amidst streaks of water. Both, long paths, wherein they are confronted with not only themselves, but simultanously the other. Splitted by a significantly large water body, that (per)forms the battle field of thoughts. Finally, only one of the paths, leads up, to a with light enriched tunnel.

The path of oppression, that is situated within the political intervention, ends with at last, a moment of divinity. At the end of the tunnel, after again moving within the dark, an ultimate beam of light creating a final moment of repression, and later enlightenment, deriving from the greater heights of a tower. Slowly, the body is able to move up from the level of oppression, to the level of transendence. Wherein the path constantly mediates between the ambiguity of light and the institutional views, as the strong beam of light connecting with the sky.

Ultimately, the interventions can be considered as a sequence of interspaces and interfaces, as renarration of the confrontations of bodies with the climactic appropriation of institutional interspaces as (to be) experienced within the city.

03.02 Romantic Power of Nature

The park, of which the program is specified within the research (as interspace), operationally performs as romanticizer of power. Hence, the second intervention, *Romantic Power of Nature*, proposes a (re) connection of the city with the park, wherein it emphasizes and romanticizes nature over power. Herewith, the intervention introduces the operation of an additional interface. Through layers of interfaces and interspaces (both interior as exterior), the body is pushed through a sequence of layers. With the

establishing of consecutive moments of reflection and pause, it establishes moments of confrontations with the in-between. Ultimately, after passing through the sequence of layers, the body is confronted with a long passage leading up to waterfront. However, before reaching the end of the waterfront, the body is again, confronted with the interfaciality of the passage. Though in this moment, it operates parallel to the movement of the body. Enabling a playful mediation between either pausing or continuing the passage. Ultimately leading up to the natural climax with the extensive view of the Duck Island, following a climax of power with the selective view of the Royal Palace.

The intervention includes both layers of interiority and exteriority. Deriving from the narrative of the city (urban), and the park (nature), the layers operate towards varying purposes and durations, responding to either urban/natural characteristics.

Within one of the first layers (from the dominant side of approach), the interior layer divides the operability of the ground floor (symbolic of life) with the upper floors (symbolic of work). The ground floor functions either as urban threshold (interior passage/gallery), functional stop (restroom), or moment of pause (coffee bar). Simultaneously, the upper floors functionalize long-term stays of labor within the designated office spaces and meeting rooms.

Within the last layers, further down the passage, the interior layers again mediate between the characteristics. Either relating to the city, and the conditioning of and use of the park in relation with the palace, as tourist shop. As the park, referring towards its natural conditions and uses as interspace within the city, with a vegetable stand.

Conclusively, the intervention mediates between the conditions and characteristics of urbanity and nature. Wherein it tries to establish, through layers of various interfaces and interspaces, alternative relations with the natural and political characteristics of the park.

03.03 De-/Empowering Interfaces

The last intervention, the *De-/Empowering Interfaces*, punctures through the space as an interface, but additionally it performs as interspace within the in-between. The interfaciality of the intervention, enables a certain degree of reciprocity between both sides. A variety of/within experiences result in either moments of bodies' de-empowerment or empowerment.

Simultaneously, while establishing relations of entanglement between subject (body) and object (architecture/road). As through sequence established, the blocking of movement of bodies, the enabling of passing-through of cars, and ultimately, the overpassing of bodies over the road parallel to the wall.

It is programmed as interface of change, wherein the wall acts as interface between conditions. Approaching from the dominant side of approach, as a short interpuncture (of power) within movement. Whilst from the opposite direction, enabling functionalities of empowerment, of both long and short stay.

Through the interior conditions, within the three volumes puncturing through the wall, the intervention establishes interspaces in time, aiming to reframe and mediate the relations of the in-between. Herein, the entanglement of de- and empowerment is further manifested, within the relations of the three volumes to each other and its surroundings. Either facing the city, the park, or Buckingham Palace. Creating varying moments of empowerment, and depowerment.

Centralized within the wall, the viewing platform enables an interspace in time, as temporary stay or shelter within movement.

The hotel rooms on either side of the wall, reflect on the conditioning of interspaces within the domestic. Either approaching the corridor, or the bedroom (for sleep), as interspace within daily routines.

Materially, the wall also functions as divider between its material conditions. Changing from concrete, to again, temporal steelwork constructions.

Ultimately, the intervention proposes an interface of change, responding to notions

of power. Alternately empowering and depowering bodies within confrontations with the interface.

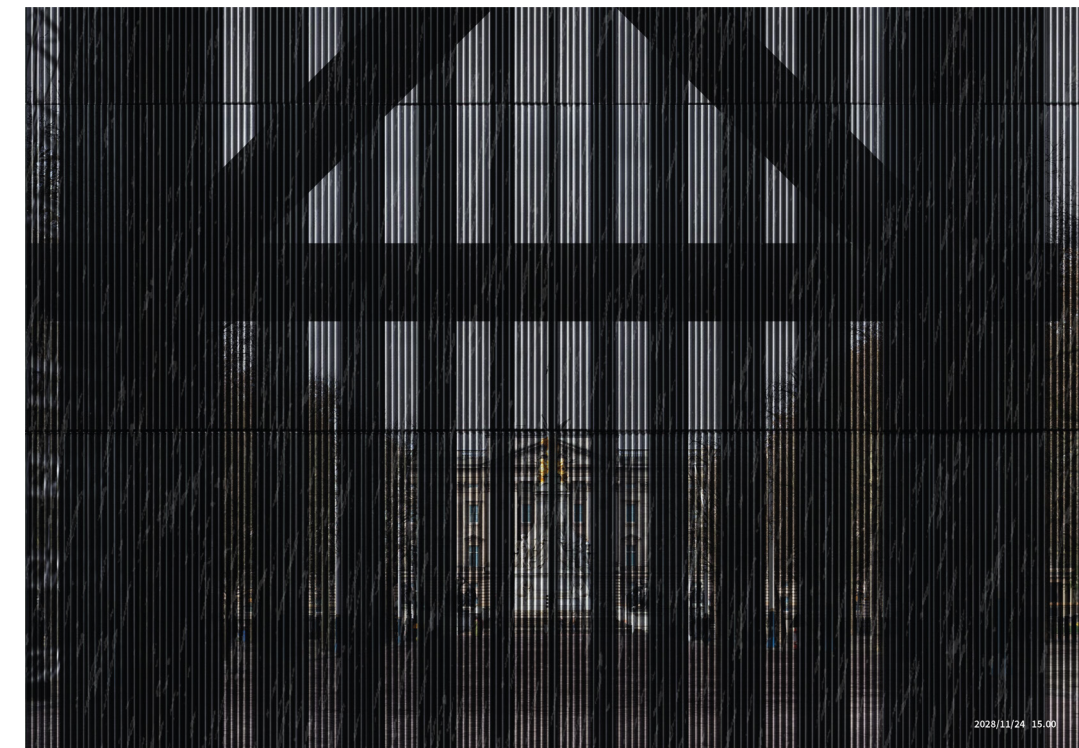


Fig. 6 - Abstract Impression De-Empowering Interfaces: Bilateral Oppositions

In this chapter I want to reflect on the research and design process, that has led to the formation of the product of graduation. Inseparably, it consists of the results of research, its applications and further developments in the design project as proposed.

I will start with addressing how the process of research and design have led to the final products. Additionally, how the used methods have contributed to the process of its formation.

At last, I will reflect on the final products considering their relevance to both the research framework and the spatial practices. Considering its relevance, the potential further explorations and possible application.

01 Process

To start discussing the process of research/design of this graduation project, it is important to mention the lengthy road that has led to the specific project.

The initial fascination with gender (binaries) at the scale of the city long needed time to find its specific grounding within the theoretical framework, and parallel, the reading of the city. There have been many steps leading towards the right abstraction and focus within the research.

Whereas the project started from binary oppositions in gender, in the continuation of the research this was extended to a broader systemic of practices of othering, including other binary classifications of bodies.

The othering of bodies is a problem which is often researched from the perspectives of multiple domains. Finally, by testing and evaluating different theories from different knowledge domains, the proper theoretic framework and research plan was established that has led to the following project.

Ultimately, *"In-Between Others: Deconstructing Dichotomies of (Power) Bodies"*, is a response to the heterogenous city (of London), in which the othering of bodies is considered to be an age-old problem. It aims to address both the subjective and

objective layers of the complexity of bodies-cities relations, and herein the potential embeddedness of (obsolete) relations with their potential influence on (social) constructs.

The problems relating to the practices of othering have been researched from perspectives of multiple domains. Within the Architectural Design Crossovers Studio, the multimodal view enabled a view that was ranging outside the discipline of architecture itself. Through this multimodality, the project reflects on the inextricable connection of other domains to the profession of architecture (and other spatial disciplines), and establishes a view of the problem that ranges outside the discipline of architecture itself.

In addition, during the research a multiscale approach was used to analyse the city through the simultaneous view of different scales, enabling the understanding of the complexity of relations that establishes the heterogeneity of London which is considered to be of relevance within the othering practices.

The project may be considered as a response to a selection of characteristic philosophical theories. Ultimately, it tries to test and make them applicable for spatial disciplines, specifically, the discipline of architecture.

In a way, the project explores the in-between of architecture and philosophy. Philosophy is often considered to be outside the discipline of architecture, therefore only able to establish views. Vice versa, architecture often only transfers views (not establish). Through the indivisible relation of research and design, I tried to achieve an in-between of architecture and philosophy. Where philosophically, architecture is able to establish views, and architecturally, philosophy is able to transfer views.

The integral use of research parallel to design established a philosophical understanding of space, and an architectural understanding of philosophy, where ultimately the project derived from.

The Architectural Design Crossovers Studio enabled an individual methodology with

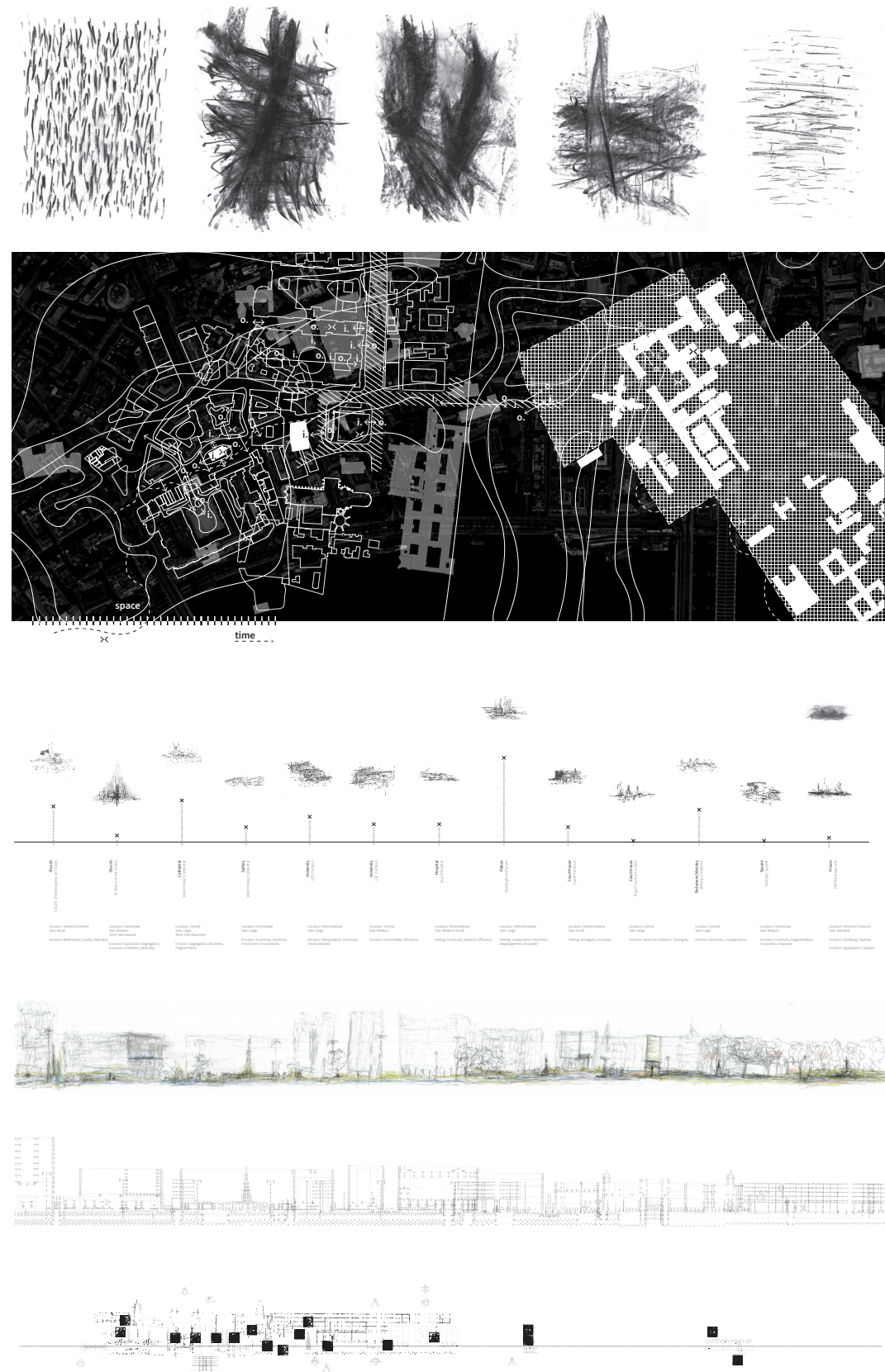


Fig. 7 - Process of Theoretic Research and Design

Development of abstract explorations and representations of theories, towards a systemic of applicability in the design project.

Scale 1:3333, +/-
Scale 1:200



03 Reflection

During the process of research, there have been a few significant theoretic readings that have highly influenced the proceeding and final products of both research and design. Early in the beginning, I was drawn to the Cyborg Manifesto by Donna Haraway. Although Haraway's approach didn't completely parallel my interest, the aim of addressing a problem by going beyond the existing (the common) sparked my interest. At the same time, the reading about Infrastructure Space by Keller Easterling. To admit, I completely misinterpreted the Easterling' message, however, this specific misinterpretation led me to an understanding of the complexity, that was inextricably linked to that, which I was aiming to grasp. Ultimately, these two readings helped me establish an understanding of the problem's complexity, and methodologically, how to operationalize. This then led me to the readings of first of all Elisabeth Grosz, and later Michel Foucault. While the unlimited approach of the first two readings continued to play an important role in the way that I approached the problem and researched towards a potential solution (Fig. 4).

In the following research, it became a

continuous loop diverging and converging, to find the right specificity and abstraction, that correctly matched the systemics of research that was aimed to be achieved. Ultimately, it was a matter of finding the right framing of research. In the end, the research essay helped to structure ideas and prioritize certain theories in the continuation of both research and design. As a result, the design derived from the results of research in both the research essay as the conducted research that was used to test and explore ideas.

The use of London as case study location for the research worked well, as London's hierarchization, and consequently the specifics of its heterogeneity, are inextricably linked to the institutional characteristics of the city. As a result of that, the more specific research locations within the city easily became visible. Finally, the (area of) intersection of The Mall, Trafalgar Sq, Northumberland Ave, and Whitehall, was chosen as site of investigation and ultimately also for the design, due to the multiscale relational characteristics.

On this location, the results of research as concluded in the research essay, were further researched and tested. Herein, the proposed design strategy of fragmentation and collage,

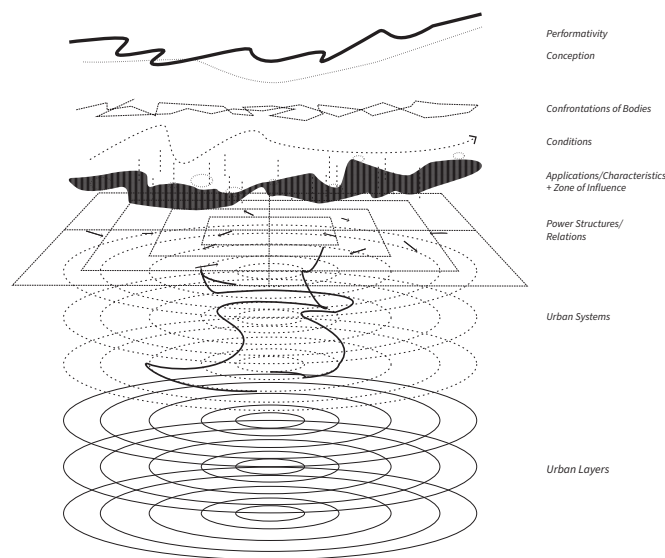


Fig. 10 - Model of Relations

This approximation of the complexity of the problem, originally was inspired from readings of Easterling's Infrastructure Space. Herein, the approximation of comprehensiveness of relations in/of cities was approached. Ultimately, how this could enable influence within the relations that lead to the establishing of social constructs.

enabled the layering of different results of research, which together defined sets of (predescribed) characteristics and conditions that were further used and made applicable in the continuation of the design.

In the end, the design explores the extend of the architectural affect in relations with practices of othering. The design is consequently established through both hard-coded results of objective findings, as the soft-coded established subjectiveness through the research process. In this respect, the design of research is considered to be inseparably intertwined with the design of the architectural intervention. Therefore, the project of graduation is considered to be parallelly, the design of research and the ultimate design project.

04 Discussion

In this paragraph I want to reflect on the specificity of the project. To start, with the frame of research relating to the notion of power, which greatly included the earlier focus on historic institutions that was later broadened to include a broader understanding of power and applicability of research.

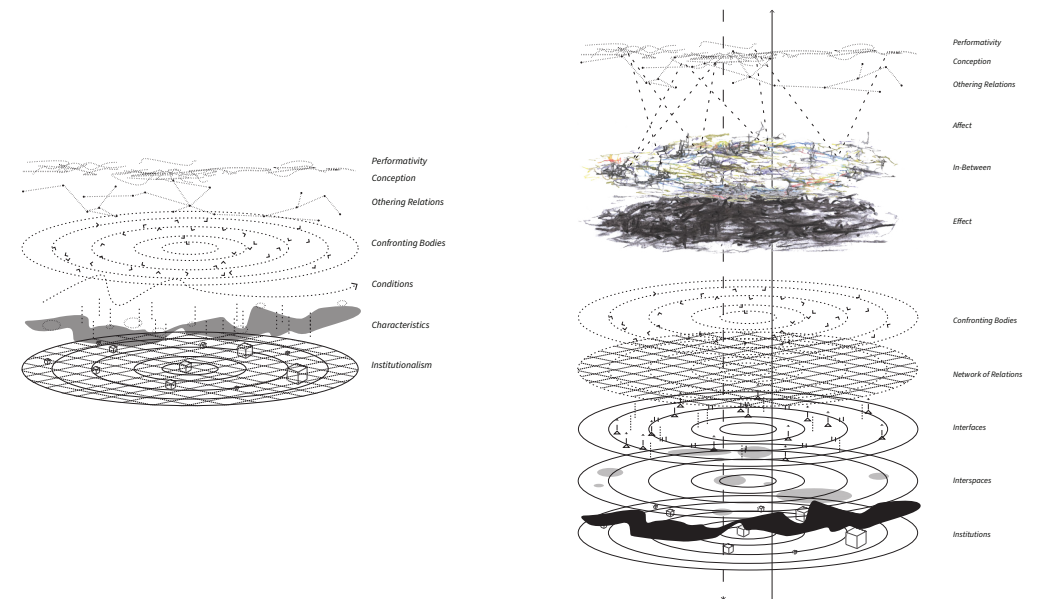


Fig. 11 - Relations of Affect

Ultimately, the research resulted in similar diagrams, which aimed to illustrate the complexity of the problem addressed. The relational diagrams show how the literal and phenomenological aspects may be related. Consequently, how a consequential approach may be strategized..

The notion of power in relation to bodies and cities was quite a broad system to grasp. Therefore, I think it was good for me to prioritize the (historic) institutions/ institutionalism in the research. Where I sometimes had trouble accurately switching between scales, the institutions helped to prioritize certain areas of research. In the case of London, it might even entail the most literal utterances of power embedded in the city. However, it still resulted in a narrow(er) view during the research. In a later stage, therefore, I decided to broaden the frame of research, leading towards a broader researching of the relations on a smaller scale.

The heterogeneity of the city is now only researched from its relations with the institutions. Therefore, I think a further research could benefit a broader framework including the utterances of power and its relations, specifically, on the larger scales addressing more broadly the complexity of the city, (or cities, as the comparison of different case study locations could facilitate new insights). Moreover, it would also be interesting to further research the notion and applicability of the in-between with an even broader framework broader perspective, not only specifically to the relations of power, with othering practices.

This chapter addresses both the relevant discussions and realizations regarding the project' ideologies. As it addresses the process of creation, points of interest, and reflections for potential further research.

01 Project Discussion

Probably the biggest ethical dilemma in this project, in both research and design, were the considerations regarding the practices of othering. What is common/other? What is exclusive/inclusive? Can we design for inclusivity? For who do we design? Can we design for all? Or should we design for no one at all? For who do we design the building? Who will use it?, etc.

In this respect, the Cyborg Manifesto by Haraway played an important role: "One is too few, but two are too many".¹ Instead of trying to establish something for one, what if we establish it for more than one, but then without making it two.

In this project, I don't refer to the notions of what is inclusive or exclusive. Or aim for either the other or the common. Even though this was something that was explored in process along the way.

Using these notions, would still bring a focus on the dichotomies, instead of nullifying this, and considering the potential of an in-between. Even within this notion of the in-between, there should not be an aim for inclusivity, it might not even exist or be the imagined goal that will fix all of our issues. Instead, within both research and design, the project manifests a systemic of architecture wherein there is a consciousness of relations. How they are established, how they operate, thus how they could trigger and establish certain conceptions and performances. Reflectively, the othering of bodies is reoccurring within the spatial disciplines, both consciously and unconsciously.

What the research and project thought me, and even sparks interest for further research, is the potential of a broader consideration and systemic of the in-between. In this respect, I believe we should aim for a managing of

complexities, of processes and relations, that in their way are completely divergent, reciprocate, thus continuously in evolution. Instead of trying to aim for a unity of all.

However, a systemic of in-betweens, could amplify systemics of anonymity. Less people would relate to the architectures through the self, but instead relate through the in-between, through the process of relations. Reflectively, this could potentially establish a change of bodies' conceptions and performances. Specifically, as exemplified within this graduation project, bodies' ideologies and reflections regarding what may be considered self/other, other/common, the potencies of being beyond.

Imagined, is the approaching of architecture as a design of processes. As something that is changeable in, and changed through time. An architecture that is not set, but which is able to adapt, to transform, or to reform, following ideological relations between bodies and architectures.

Though we are far away, (future) urgencies require a new systemics which would enable a new way of approaching, and thinking about architecture. A systemics that might be about controlling processes in time, instead of predicting and responding through time.

*"Unless we put into question architectural and cultural identities – the identities of men and women, of different races and classes, and of different religious, sexual, and political affiliations, as well as the identities of cities, urban regions, buildings, and houses – this openness to the future, the promise of time unfolding through innovation rather than prediction, is muted rather than welcomed."*¹

02 Project Reflection

Something that I have learned and gained, from the project, is a personal self-awareness. In a way, this project derived from a personal frustration towards an undefined opposing force that is hindering our society from having the right degree of open mindedness. Though much is changing, and parts of our society

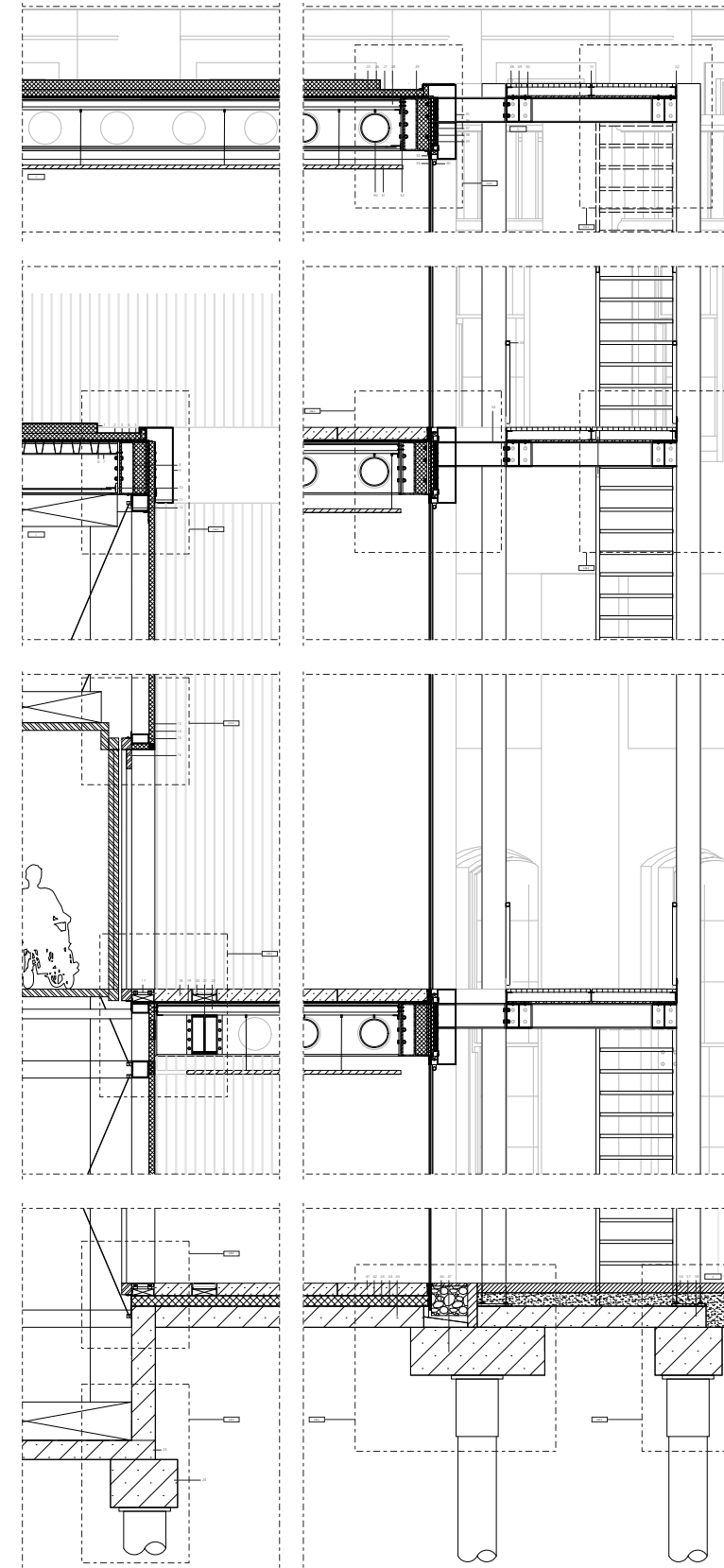


Fig. 12 - Managing Processes: Design of Details

¹ Elisabeth Grosz, Architecture from the Outside, 1st ed. (Massachusetts: Massachusetts Institute of Technology, 2001), 92.

has changed, a large scope of our society is still caught up in discriminative conceptions of others.

Personally, for myself, I have gained a self-awareness, that on one hand still includes the conceptions that I have reflectively, on my-/the self, in relations with others. But on the other hand, I am more aware of the embeddedness of causal relations which might trigger this. Potentially, this might help to overturn this.

Relating to this, as practitioner of architecture (or other spatial disciplines), I also experience a better understanding of the consequentiality that space and design in this relation might have and the potential preventing and/or occurring of certain influential relations.

Though the systemic of both thoughts and designs are still in development, I highly see potential. Hence, I am more than interested to further develop and further employ these in the future.

03 Personal Reflection

As a result of this graduation project, I have gained new ways of thinking, understanding, addressing and researching (complexities). I established an awareness of theory, of thought processes, of ways to make certain ideas and/or sensations explicit. The process of both research and design learned me how to systematize similar processes, and how/what to prioritize.

This gave me many insights into the field of research, similarly the profession of architecture, and the potential of further explorations in the future.

To require this, the process has been experienced as rather intense. Starting with the project, I had not a clear defined idea on the scope of a graduation project. After shaping the topic of research/design, the scope and the identity, it became quite hard, from both sides, for my tutors to be able to guide me through the process.

Reflectively, I think many of this results from the fact that I took quite a large, and difficult (incentive) topic to research.

The topic of research sometimes felt like too

much of an uncertainty, as there was little factual knowledge and much was based on the subjective. I have had to take many steps in order to get to a systemic of working, and ultimately, the project that has resulted.

The scope of the project, often has stood in the way of the process. Many times, I think this could have been solved, if I would have had a little more faith. However, much of this also results from doing things that I had never done before, the individual expressivity that I had to develop, and the pressure that I had put on myself during this past graduation year. As I am normally really confident during a design project, the large uncertainty the project brought me, sometimes felt like it was too overwhelming.

Reflecting on it now, it might also have been a too large step out of my comfort zone for a graduation year. Though, I am extremely pleased that I have conducted and completed the project to this extend.

In the future, I believe I will be better able to estimate similar project's processes and thus durations, and how I can use this to more accurately design a research/design process. As a result of the project, and the associated process, I now experience a more open-minded towards the field of research. As I now better understand the potential uses, and outcomes, of (similar) research projects.

