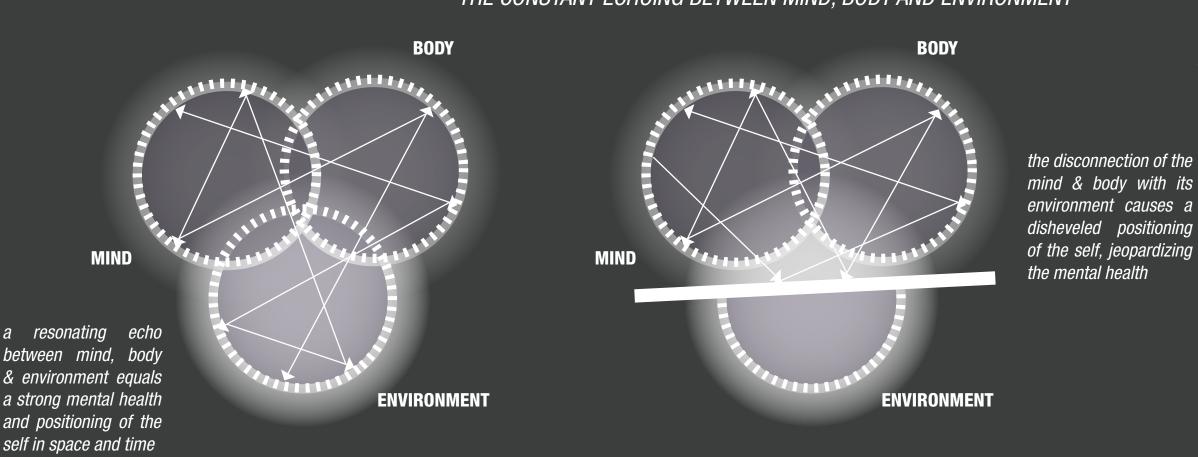
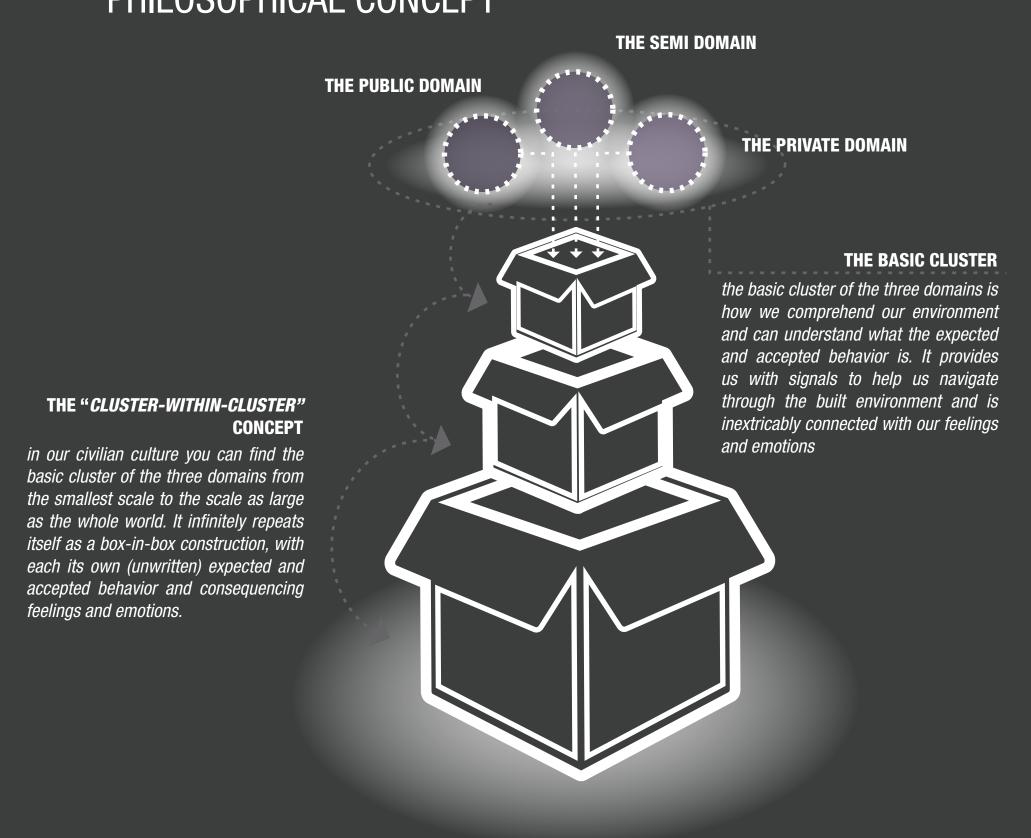
THE SALUTOGENIC MODEL I A MODEL FOR HEALTH CARE DESIGN; " THE BALANCE OF THE THREE PILLARS OF THE SENSE OF COHERENCE"

the mental health is stable SENSE OF COHERENCE

THE PHENOMENOLOGICAL CONCEPT I THE CONCEPT OF MENTAL STABILITY; "THE CONSTANT ECHOING BETWEEN MIND, BODY AND ENVIRONMENT



THE THEORY I A MERGE OF A PSYCHOLOGICAL MODEL AND A PHILOSOPHICAL CONCEPT



# ECHO SPACE I TREATMENT CENTER

AN ACTIVE ROLE FOR ARCHITECTURE IN THE PROCESS TOWARDS HEALING; A TREATMENT CENTER FOR VETERANS WITH PTSD

The experience of war changes a man" .. War and everything that is related to it can strongly affect soldiers. The emotional impact of combat, the years of training to emotionally disconnect when in a combat zone, and the vast differences between the military culture and the civilian culture puts veterans at risk for long term mental health problems. More spefically veterans' PTSD or Post Traumatic Stress Disorder. Unfortunately at least 7% of all Dutch veterans have PTSD and are in need of treatment to help them manage their anxiety disorder in their daily life. Luckily there are specialized therapies and treatment centers available for them to seek help.

Currently, however, there is a strong separation between the positive notion of the treatment for mental disorders(mental growth and wellbeing) and the architecture which facilitates them. The awareness of this separation opens up the opportunity for redefining architecture for mental health care purposes in which architecture can play a leading role. Allowing architecture as a fundamental part of treatment; surpassing the bias of the facility envelope and establishing itself as the spatial embodiment of the process towards healing.

ECHO SPACE is a project that activates its architecture, to provide its patients with tools to comprehend their environment and help them manage their anxiety disorder related environmental triggers. Where the therapy sessions get to the core of their PTSD, the architecture of the treatment center provides them with the tools to understand their civilian environment once again so their journey of rehabilitation into civilian life can start and their environmental triggers related to their PTSD are relieved.

ECHO SPACE treatment center provides a symbolic, guiding and place specific design that can help veterans with PTSD regain trust in their civilian culture, recognize themselves as part of it again and bring home the tools our built environment can give us, to help structure our lives, our thoughts and our position in it. When we activate architecture, we can help those who are lost in their process towards healing, so that after a long period of war, they can finally come home.

THE CONCEPT I THE CLUSTER-WITHIN-CLUSTER CONCEPT

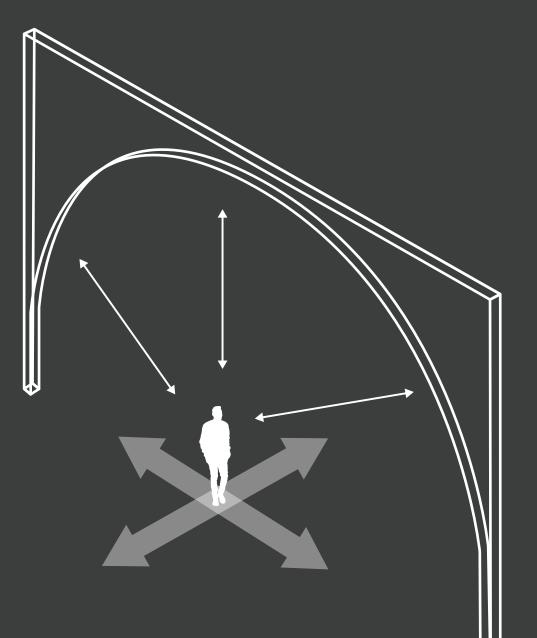
the architectural representations of the domains can be positioned either vertically or horizontally on the grid, providing an architecture which is both in ceiling and walls a guiding and aiding abstracted representation of our built

THE ARCHITECTURAL REPRESENTATIONS I THE ARCHITECTURAL ARTICULATION OF THE CONCEPT, THE LANGUAGE OF ECHO SPACE TREATMENT CENTER

### ARCHITECTURAL REPRESENTATION The public domain is a domain where anonymity is high and the freedom of movement is expected. It is the domain where our built environment gives us the most indenpendance.

Therefore the architectural articulation and representation of this domain should provide a non-directional, transparant and large scale gesture. Yet, in the case of ECHO SPACE treatment center it should provide and embracing gesture to suggest the safety guarantee veterenas with PTSD need in their process towards healing.

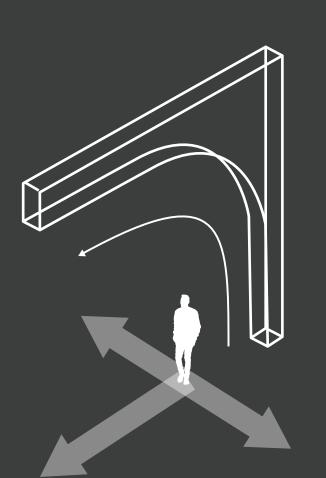
The large scale arch provides them with all these qualities, embracing the public domain and all its functions, providing them with the tool to acknowledge the presence of a public area, yet giving them total freedom of movement and transparancy towards the adjecent environment



#### THE SEMI DOMAIN I ARCHITECTURAL REPRESENTATION

The Semi domain is a transactional domain, where we find the connections and guidance towards either the public or private domain. It is in this domain where the rules and regulations about behavior are most difficult to comprehend. Since it is a transactional domain it balances between the rules and regulations of the public and private domain. A strong directional guidance is therefore necessary.

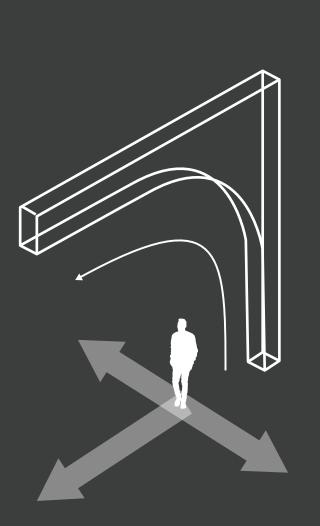
The one-sided directional semi-arch, doesn't only match its architectural representation by name (~semi~) but also expresses a very strong directional guidance. In the case of ECHO SPACE treatment center it will always point towards more private settings and domains, providing veterans with the tool to always find calmer grounds in case anxiety hits.



#### THE PRIVATE DOMAIN I ARCHITECTURAL REPRESENTATION

The Private domain is the domain where we express our identities the most, where we are the ones who decide the rules and regulations of our own private domain, and the domain we can comprehend the easiest. Because we all know and have a private domain, we can relate to the rules and regulations that count in others. The private domain is an inclusive and focussed domain, which should embrace us and keep us safe.

The small scale arch provides them with all these qualities, it is an inclusive, introverted space, with a linear focus towards the adjecent environment. The scale of the arch provides a human scale feeling and will translate for veterans into a safe and embracing environment.



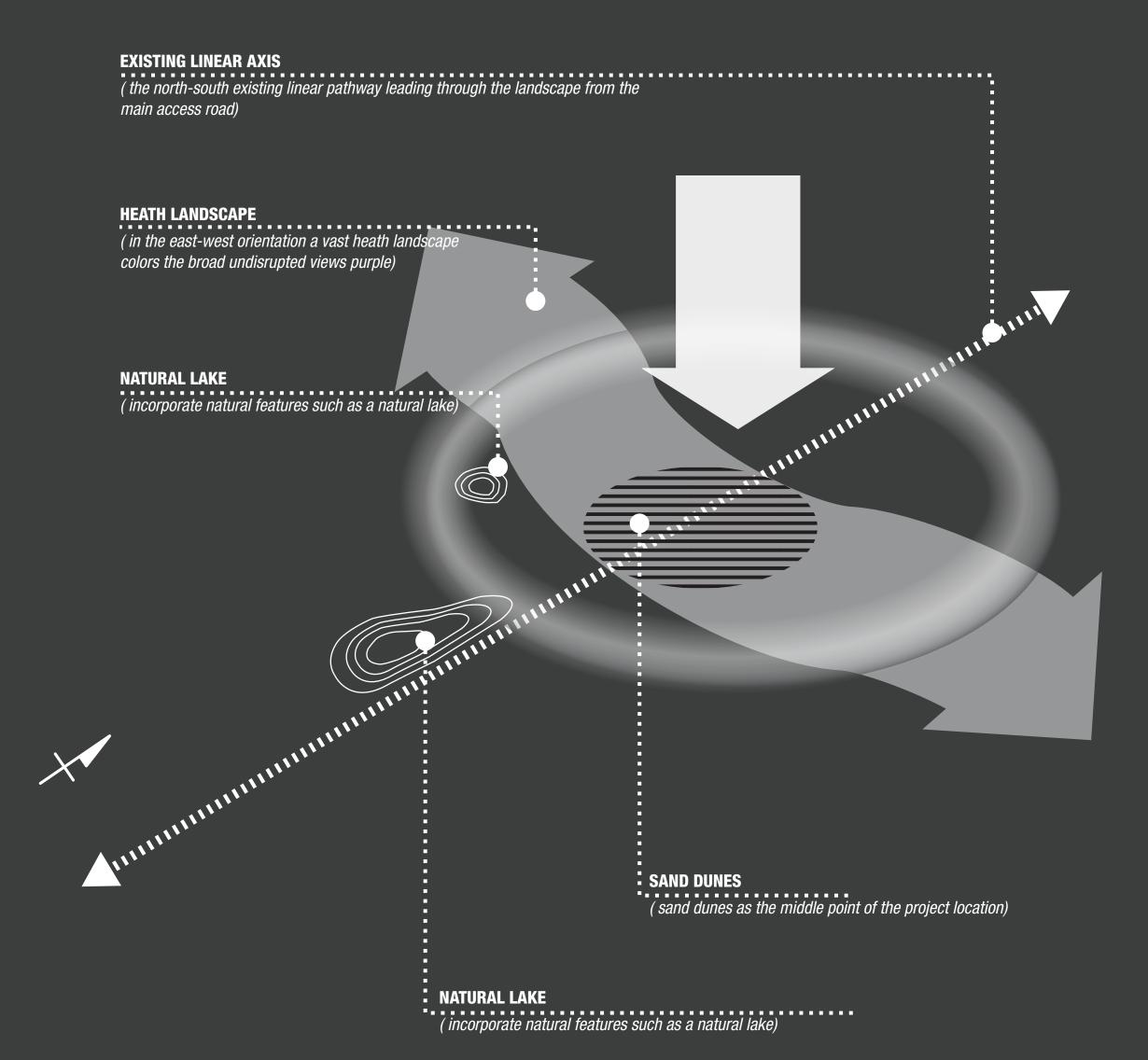


ECHO SPACE ARCHITECTURAL ARTICULATION I THE INFINITE FLOW OF THE ARCHITECTURAL REPRESENTATIONS ON THE GRID

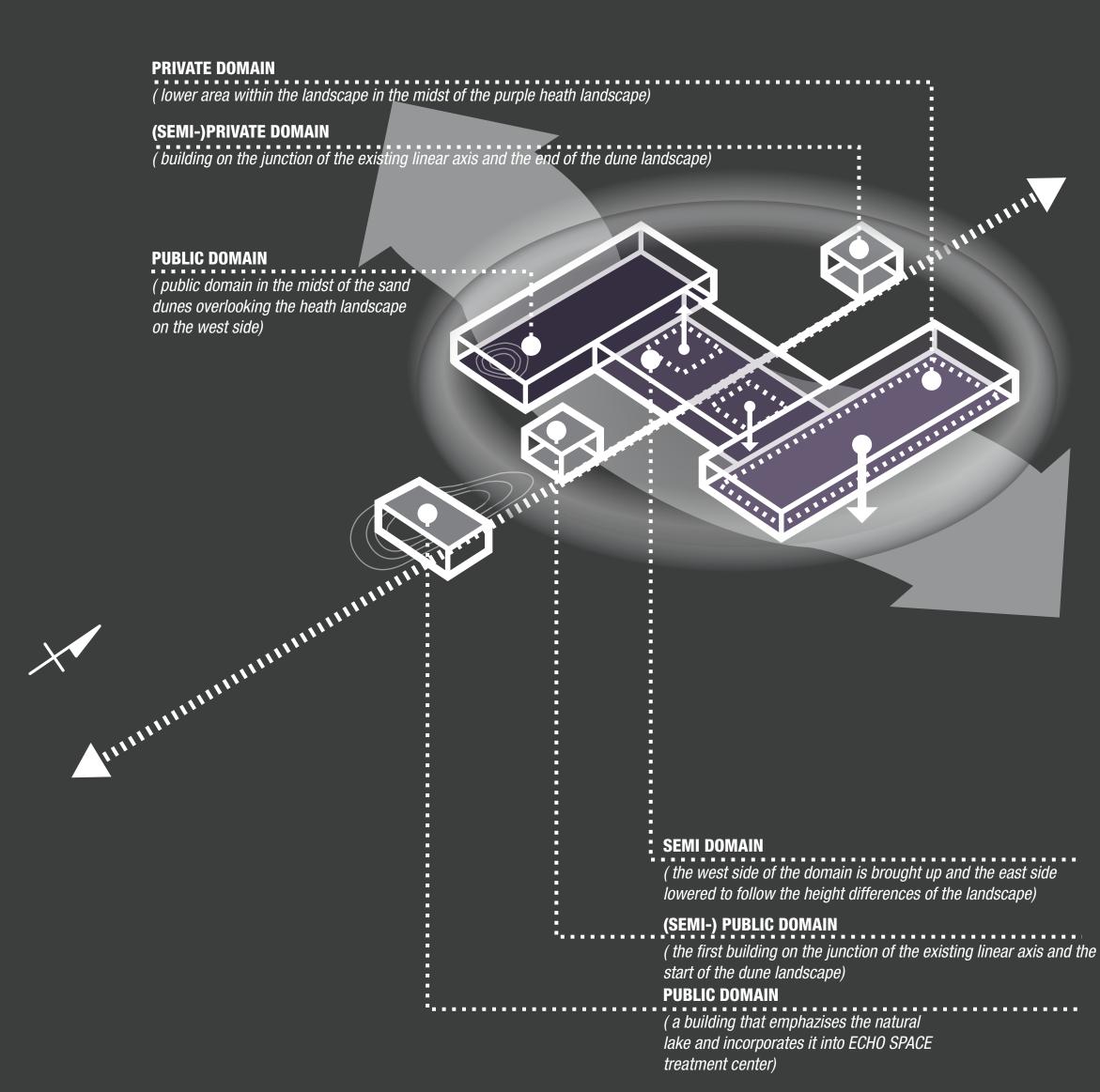


## ECHO SPACE I DESIGN PROCESS

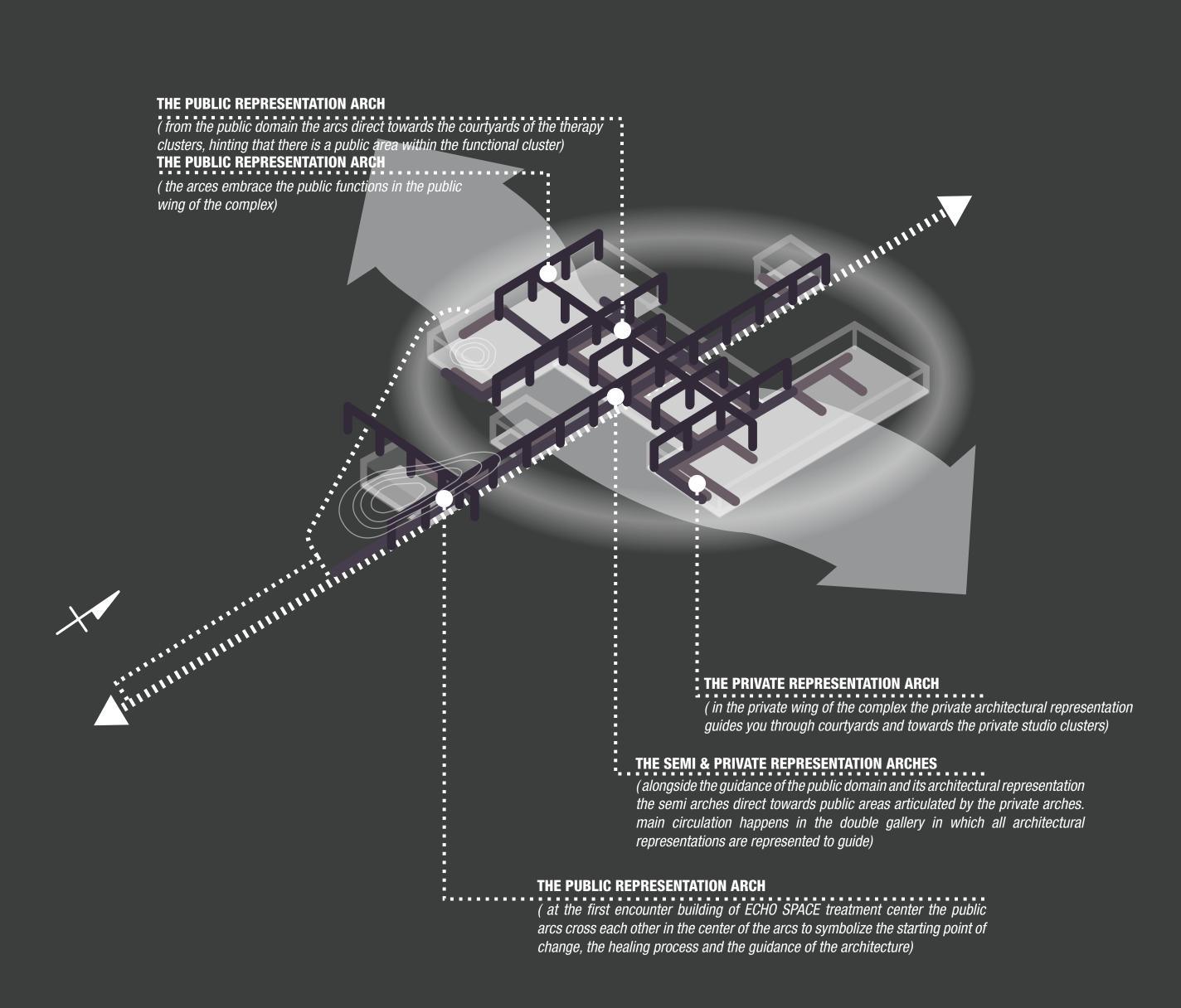
A DIAGRAMMATIC OVERVIEW OF THE DESIGN STEPS TAKEN IN THE PROCESS



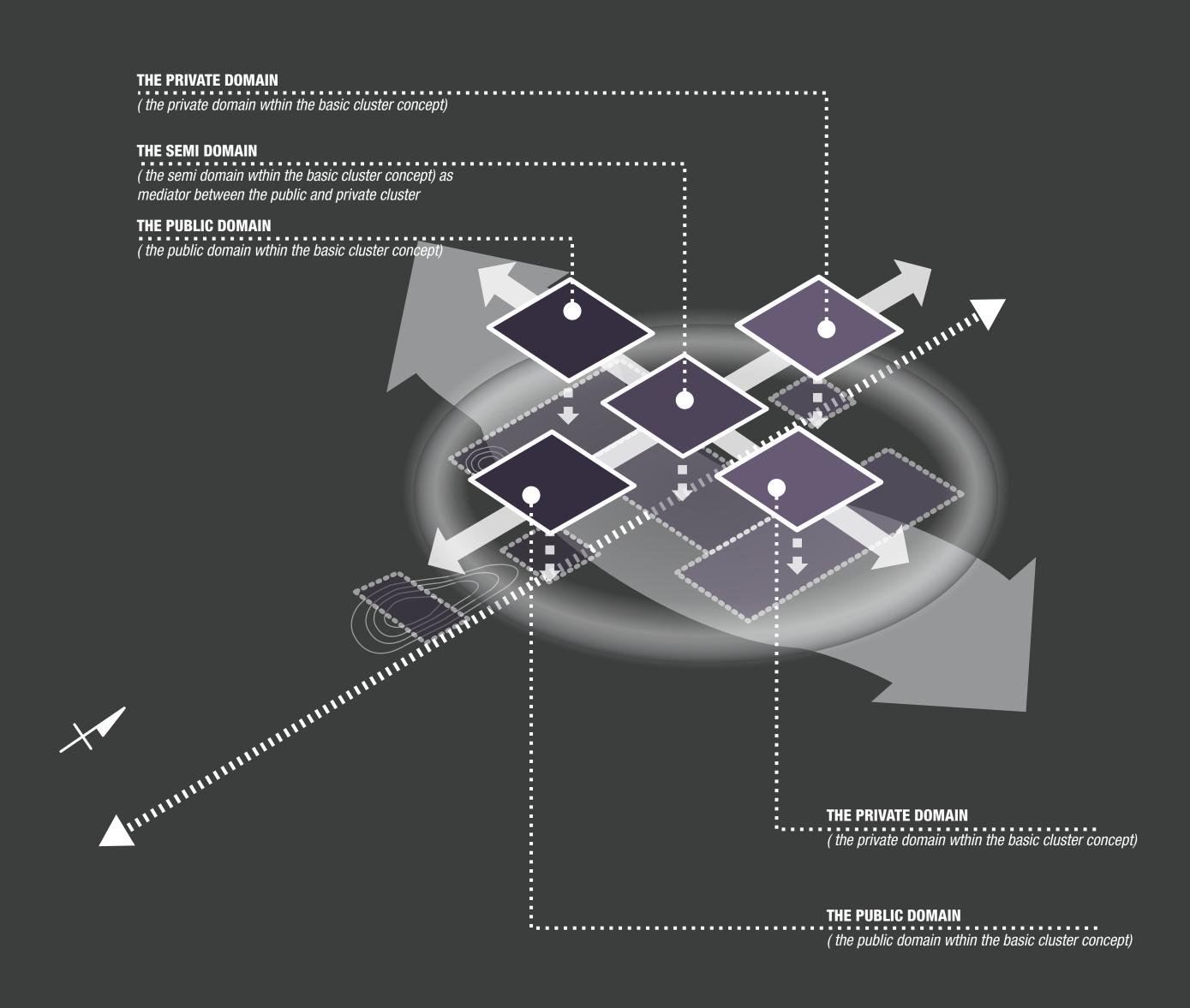
**STEP 01 I** POSITIONING OF ECHO SPACE IN THE LANDSCAPE



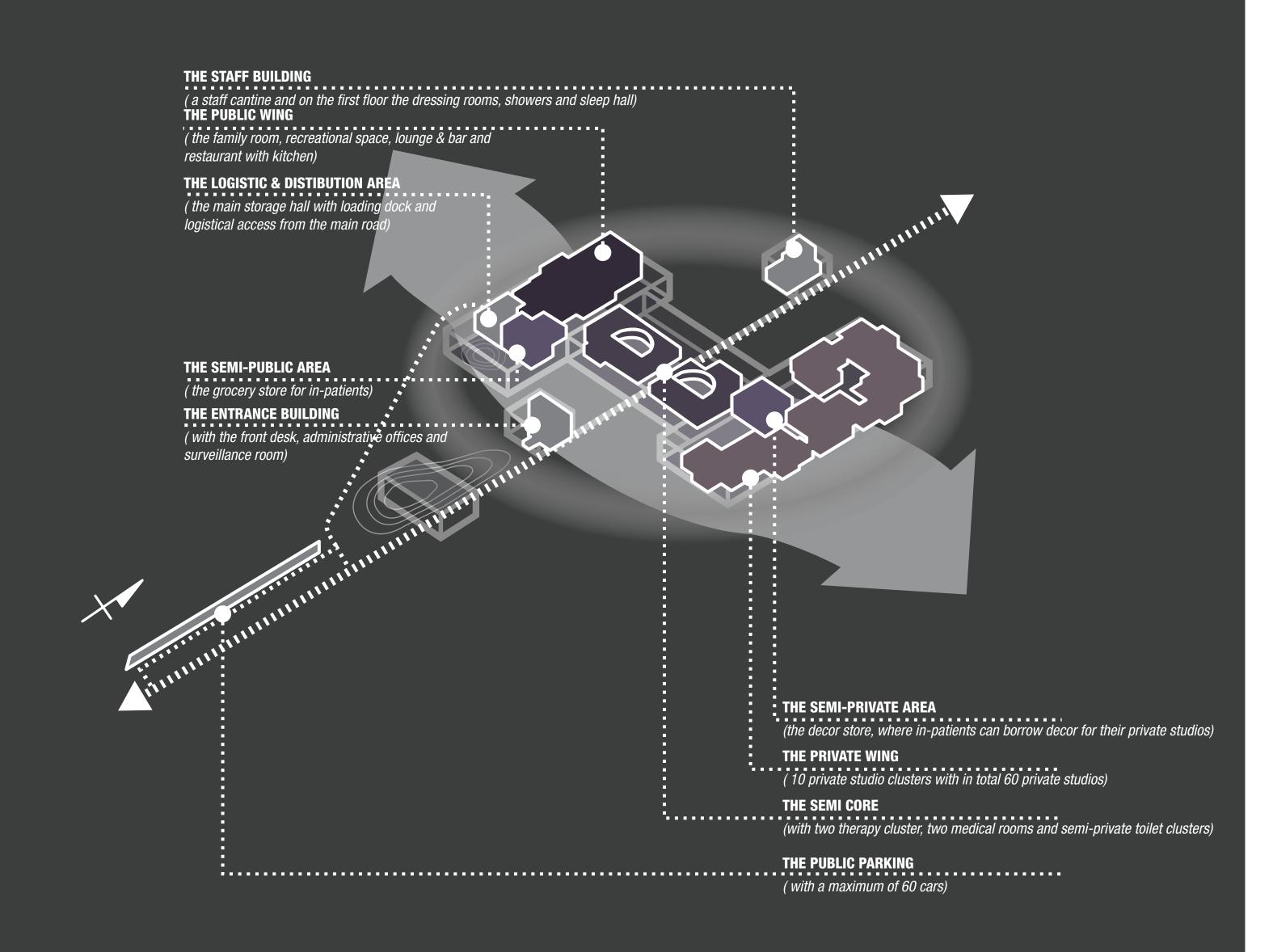
**STEP 03 I** TRANSFORMING THE FOOTPRINT TO CONDITIONS OF THE NATURAL LANDSCAPE



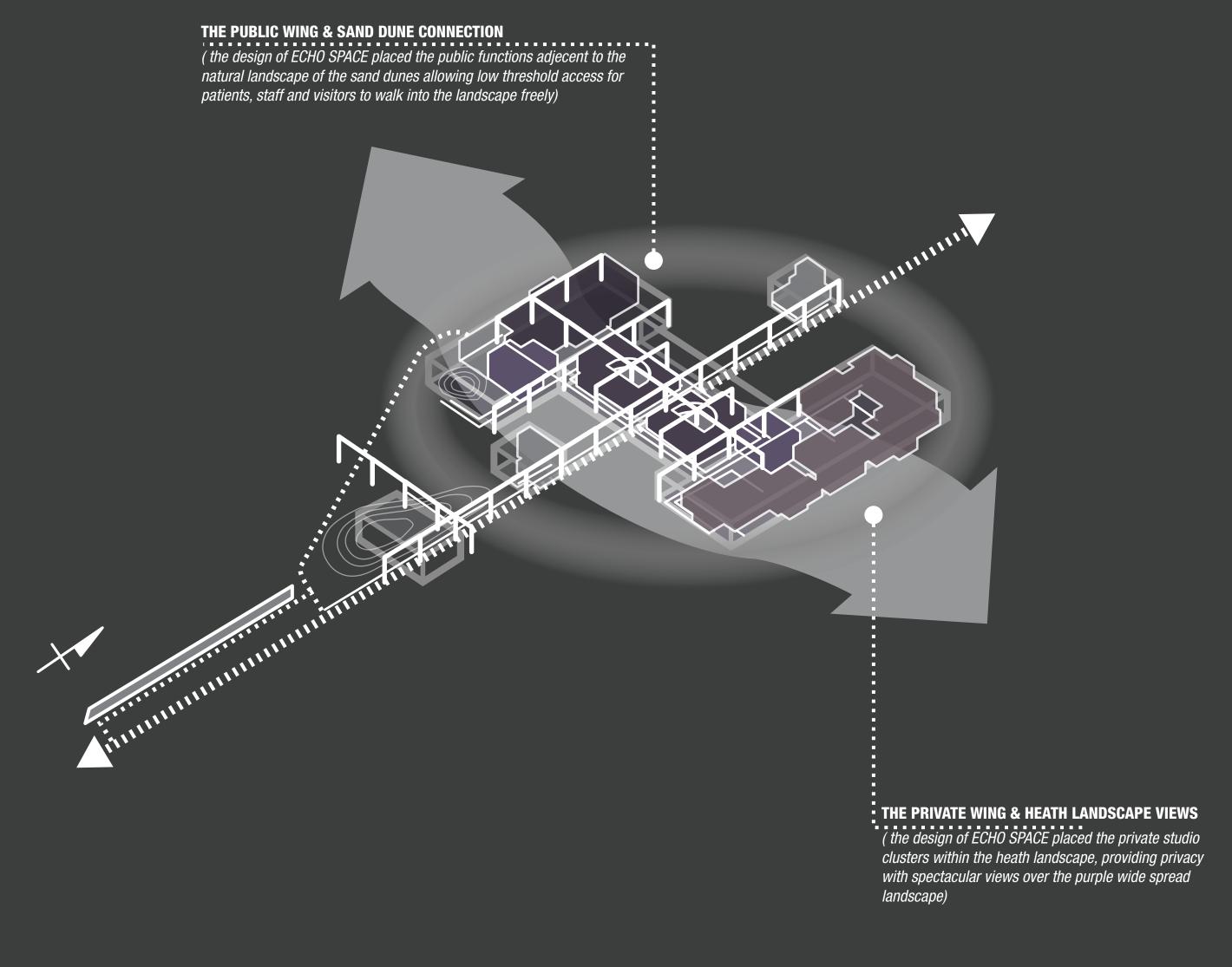
**STEP 05 I** IMPLEMENTING THE GUIDING PRINCIPLES OF THE ARCHITECTURAL REPRESENTATIONS



**STEP 02 I** INTRODUCING THE BASIC CLUSTER CONCEPT & TRANSFORMING IT INTO THE FOOTPRINT OF ECHO SPACE



**STEP 04 I** INTRODUCING THE PROGRAM ACCORDING TO THE BASIC CLUSTER CONCEPT



**STEP 06 I** ECHO SPACE TREATMENT CENTER " A GUIDING & AIDING SPACE SPECIFIC DESIGN"

