





REGION OSTERGOTLAND



VADSTENA



BIRGITTA SQUARE

INTRODUCTION	
INTRODUCTION	INTRODUCTION
STRATEGIES	SUSTAINABILITY GOALS
	DESIGN STRATEGIES
	CONCEPT DESIGN
SITE & ANALYSIS	WIDER CONTEXT
	EXISTING BUILDINGS AND SITE
	SITE PLAN
PROGRAMME	CHALLENGING THE BRIEF
	FLOOR PLAN CONCEPT
PROPOSAL	PLANS
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	VIEW OF HEART
	SECTIONS
	ELEVATIONS
	STRUCTURE
	DETAIL
	SUSTAINABILITY
	PERSPECTIVE









ACTIVE USE OF THE SDGs IN DESIGN STRATEGIES AND BRIEF





ENSURE INCLUSIVE AND EQUITABLE QUALITY EDUCATION AND PROMOTE LIFELONG LEARNING OPPORTUNITIES FOR **ALL**



ACHIEVE GENDER EQUALITY AND EMPOWER ALL WOMEN AND GIRLS



MAKE CITIES AND HUMAN SETTLEMENTS INCLUSIVE, SAFE, RESILIENT AND SUSTAINABLE



ENSURE SUSTAINABLE CONSUMPTION AND PRODUCTION PATTERNS



PROTECT, RESTORE AND PROMOTE SUSTAINABLE USE OF TERRESTRIAL ECOSYSTEMS, SUSTAINABLY MANAGE FORESTS, **COMBAT DESERTIFICATION, AND HALT AND REVERSE LAND DEGRADATION AND HALT BIODIVERSITY LOSS**



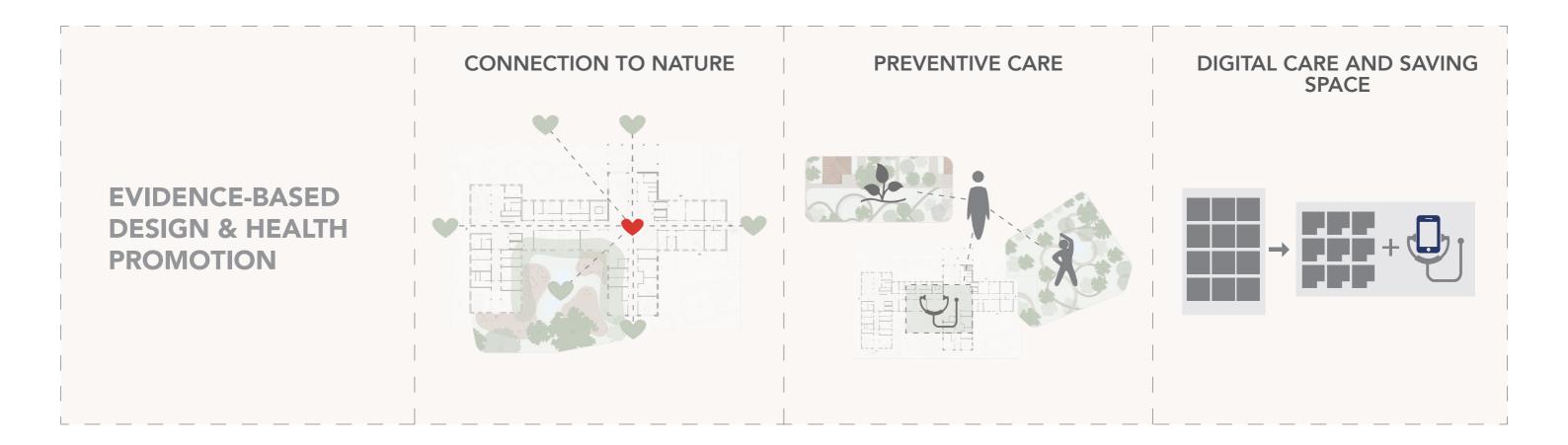














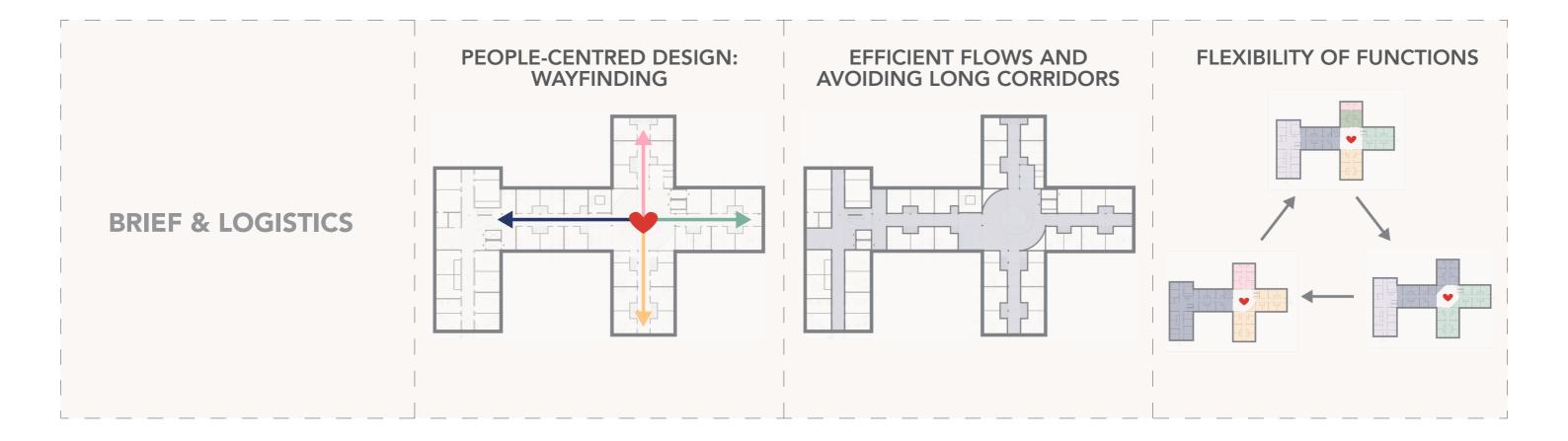




























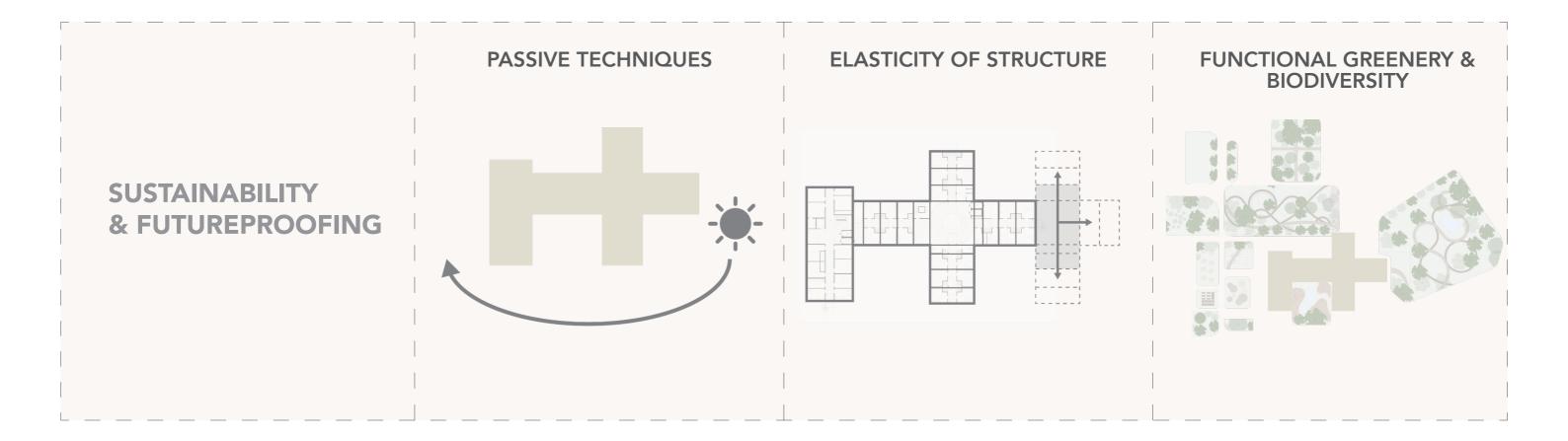






















REUSING BUILDINGS

CHALLENGES OF RE-USE







NARROW **CORRIDORS**



RESTRICTED WINDOW **GRID**



STRONG EXISTING CHARACTER BOUNDARIES



EXISTING WALL



RESTRICTED **BUILDING** HEIGHT



STRATEGY: **RESPECT THE HISTORIC CONTEXT**

OPPORTUNITIES OF RE-USE



SUSTAINABLE REUSE



 $\mathsf{LOWER}\ \mathsf{CO_2}\ \mathsf{FOOTPRINT}\ \mathsf{BY}$ REUSING BASEMENT AND **FOUNDATION**

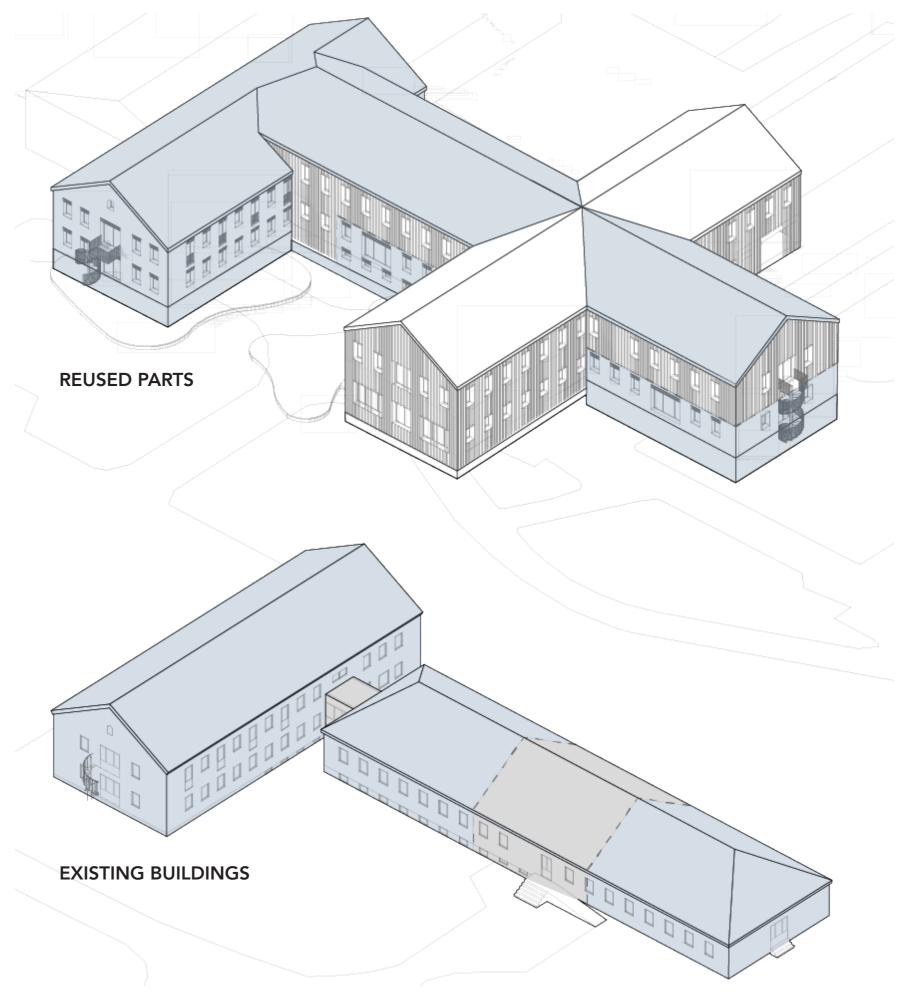


LOWER COST AND LESS CON-STRUCTION TIME



MATCHES THE HISTORIC GRID



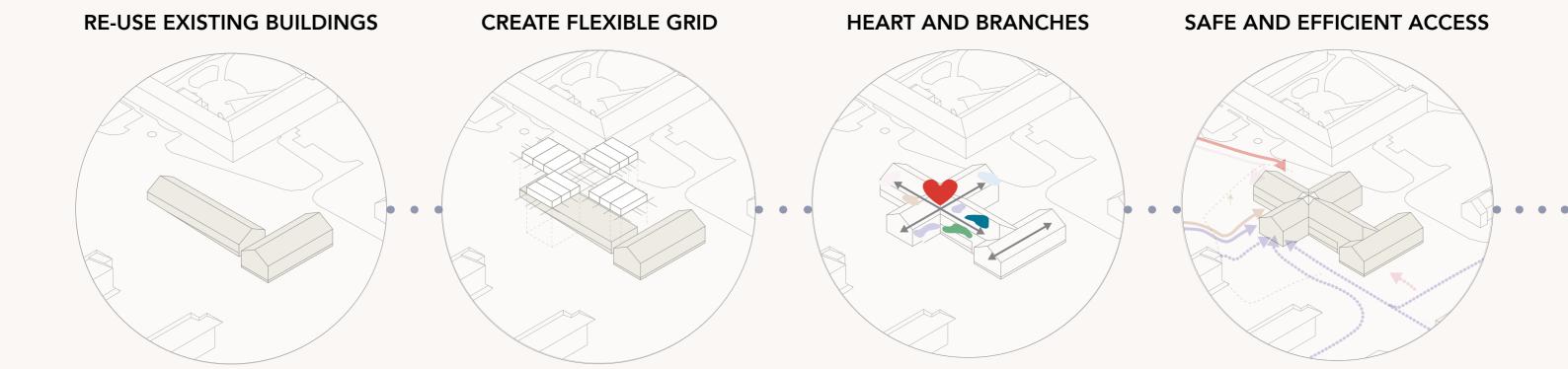












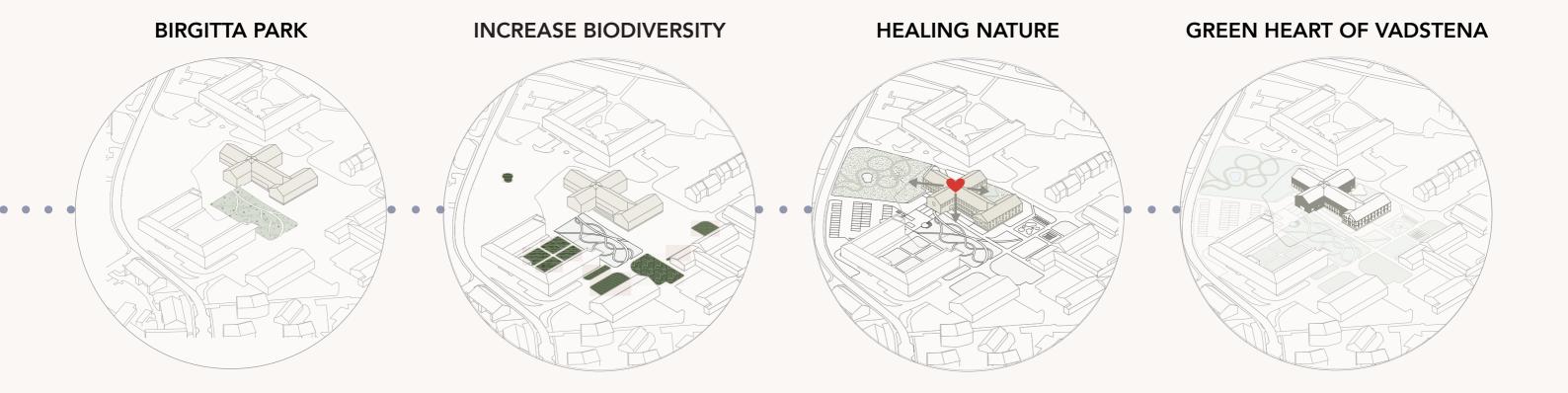


















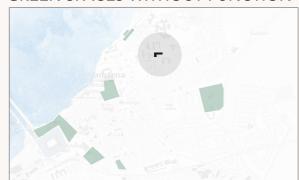




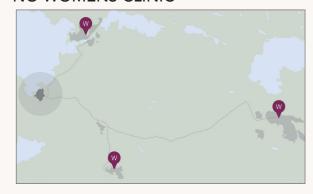
WIDER LANDSCAPE

ANALYSIS

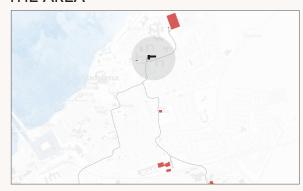
- HISTORY BIRGITTA HOSPITAL
- CLEAR GRID AND AXIS
- GREEN SPACES WITHOUT FUNCTION



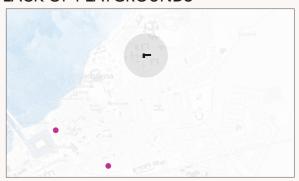
• NO WOMENS CLINIC



• LACK OF EXERCICE FACILITIES IN THE AREA



• LACK OF PLAYGROUNDS

















WIDER LANDSCAPE

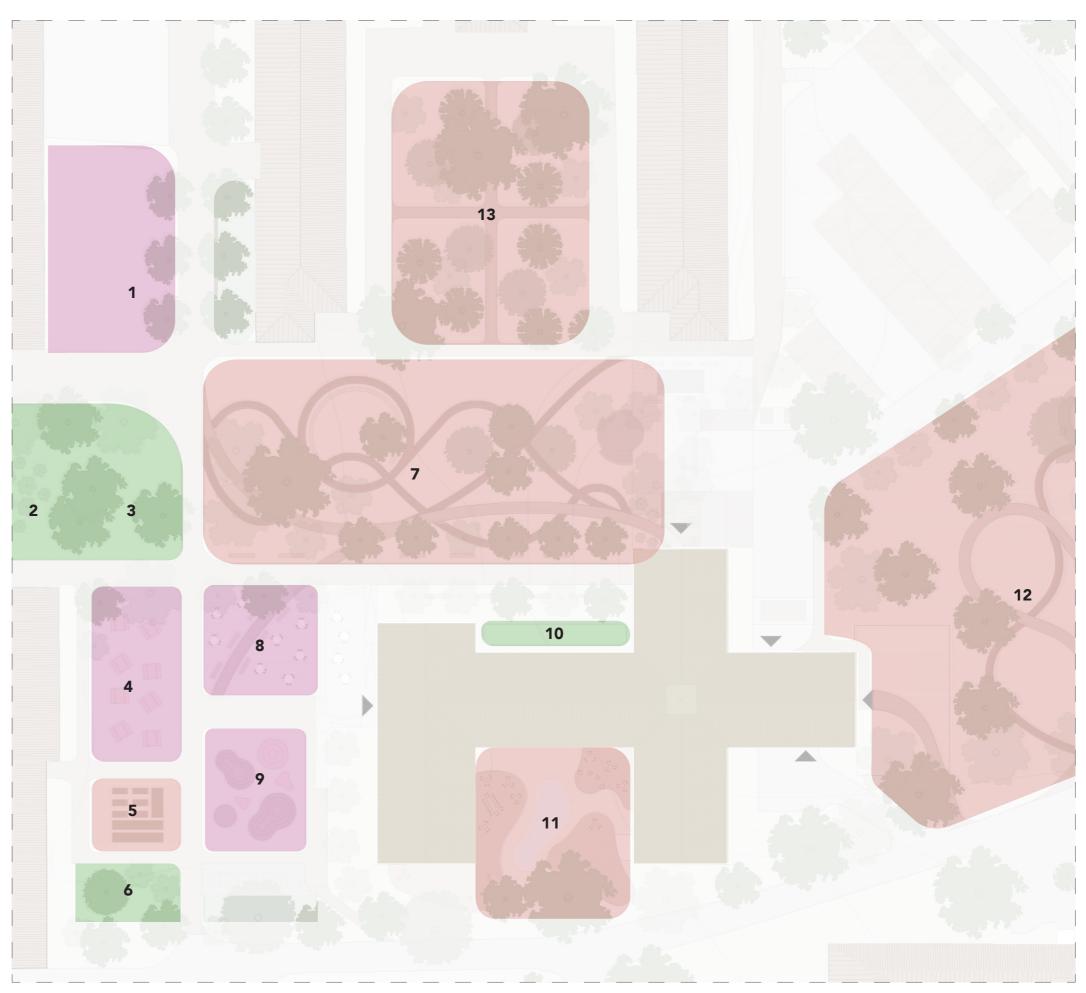
SITE & ANALYSIS

RESPONSE

- REGENERATE GREEN SPACES WITH **HEALTH-PROMOTING ACTIVITIES**
- CREATE BIRGITTA PARK ALONG A GREEN CORRIDOR FOCUSING ON **BIODIVERSITY AND SOCIAL VALUE**
- CREATE A WOMENS CLINIC AT THE **HEALTH CENTRE**

FUNCTIONAL GREENERY

- 1 COMMUNITY GARDEN
- 2 RAIN GARDEN
- 3 BIRD HOUSES
- PICNIC AREA
- 5 COMMUNITY GROWING
- 6 INSECT GARDEN
- 7 BIRGITTA PARK SENSORY GARDEN
- 8 GATHERING
- 9 PLAYGROUND
- 10 WILD MEADOW
- 11 SUN GARDEN
- 12 EXERCICE PARK
- 13 ORCHARD
- BIODIVERSITY
- SOCIAL
- HEALTH PROMOTING



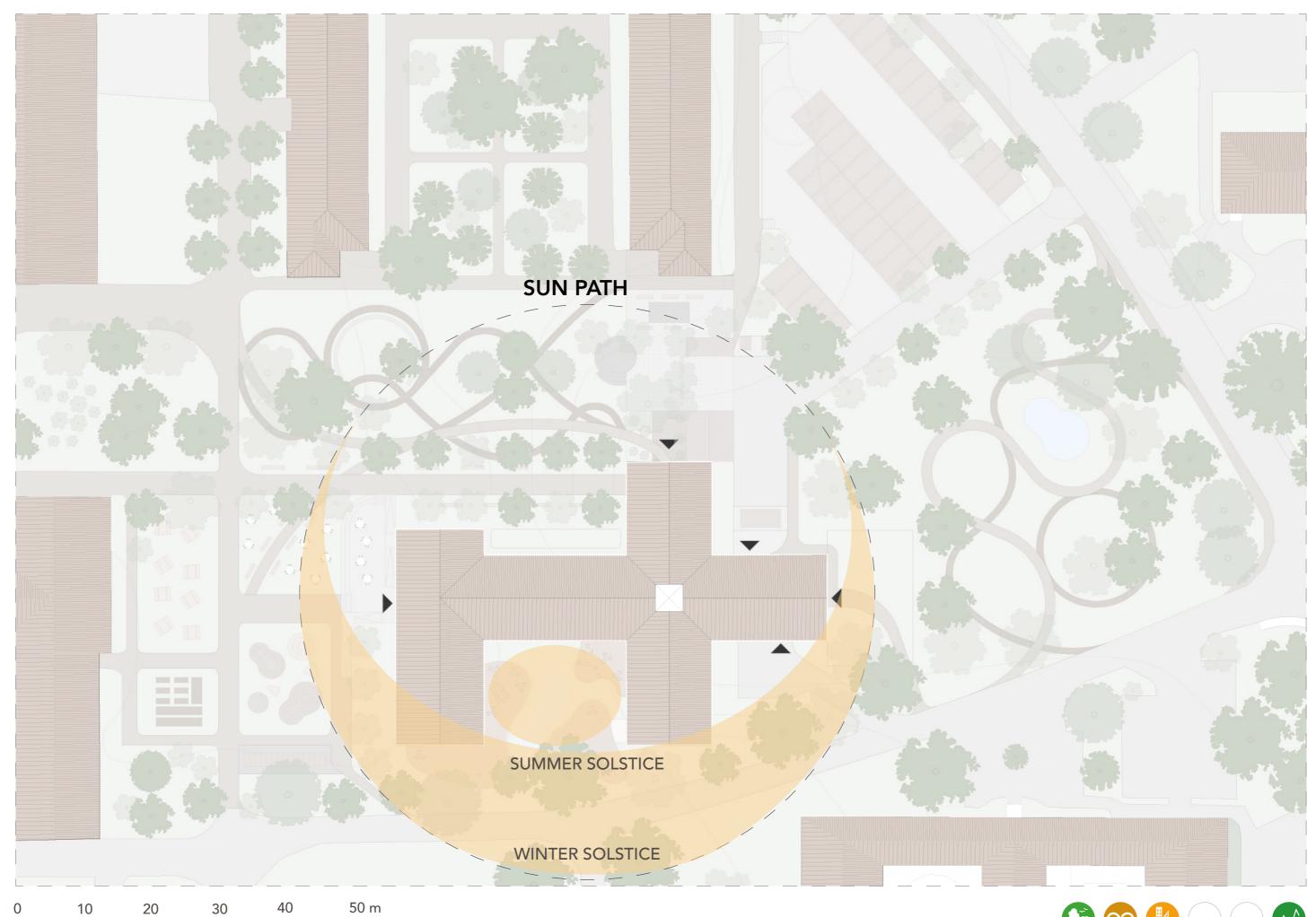












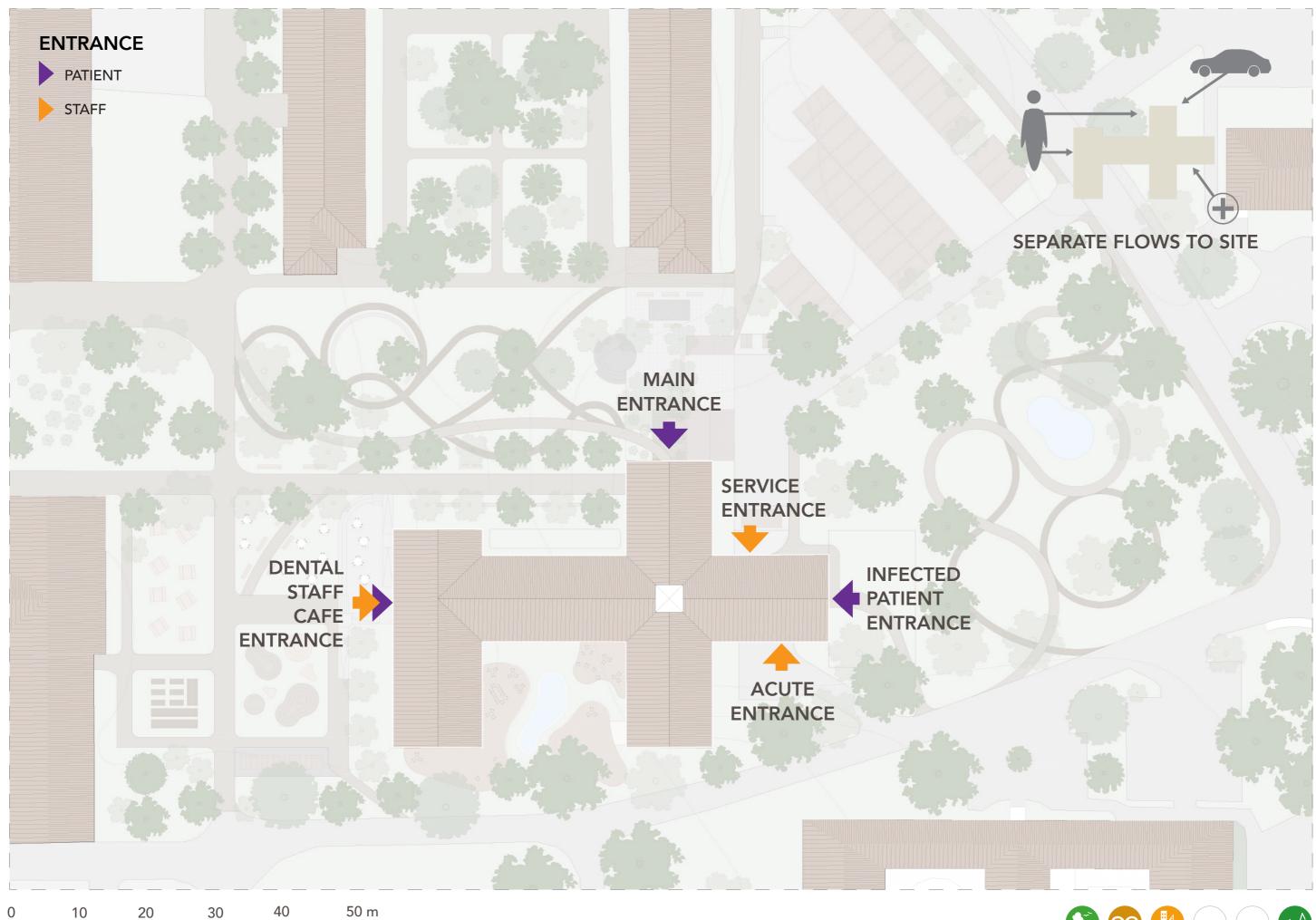






SITE STRATEGIES: REVITALISING THE GREEN AREAS AND BIODIVERSITY











SITE STRATEGIES: REVITALISING THE GREEN AREAS AND BIODIVERSITY













CHALLENGING THE BRIEF



WOMEN'S CLINIC



CENTRE COMMUNICATION



DIGITAL CARE



PREVENTIVE CARE



MOBILE CARE HUB



INFECTION CARE

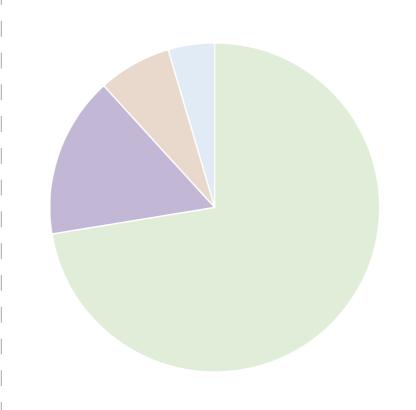


CAFÉ



STAFF WELLBEING

ORIGINAL BRIEF

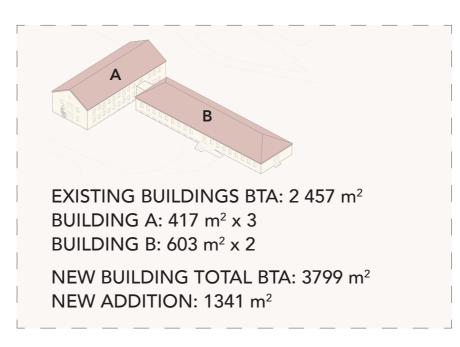


ORIGINAL BRIEF

1098 m² PRIMARY CARE 240 m² DENTAL CARE SERVICE SPACES 109 m² FAMILY CENTRE

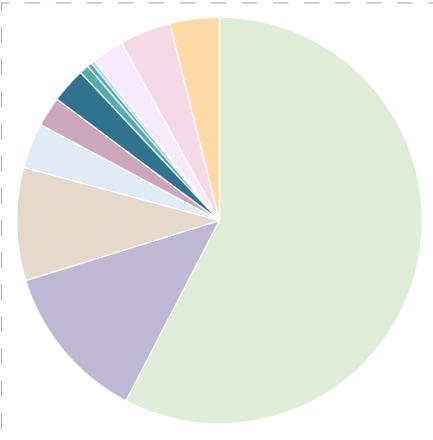
TOTAL

1516 m²



PROPOSED BRIEF





PROPOSED BRIEF

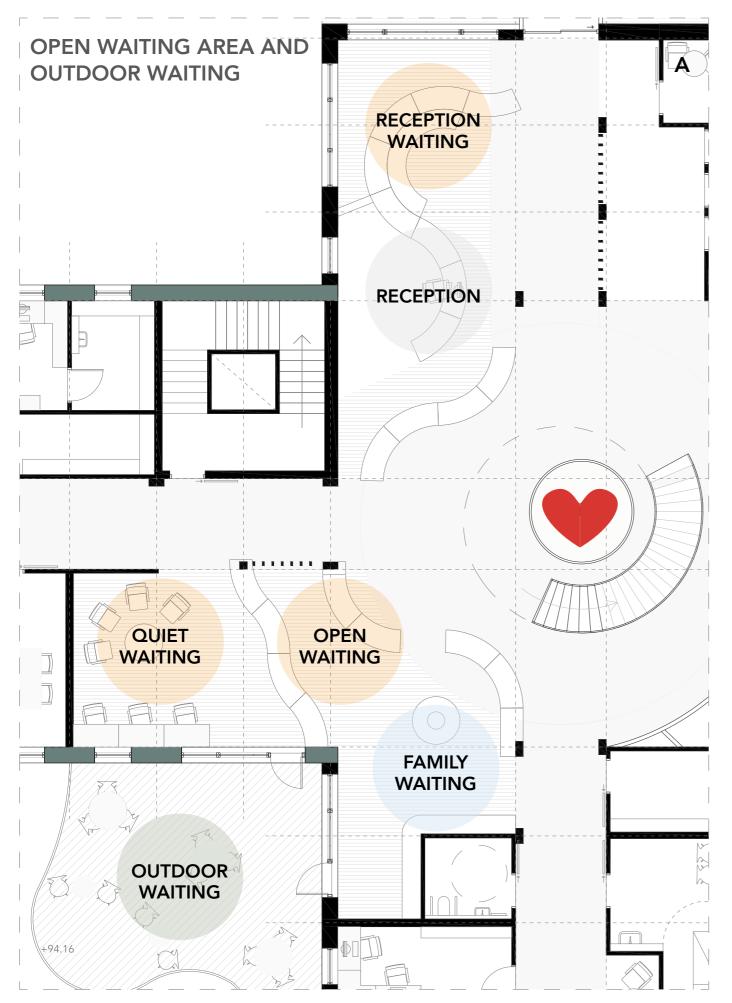
PRIMARY CARE	1070	m^2
DENTAL CARE	234	m^2
SERVICE SPACES	167	m^2
FAMILY CENTRE	67	m^2
WOMEN'S CLINIC	44	m^2
COMMUNICATION CENTRE	52	m^2
DIGITAL CARE	14	m^2
PREVENTIVE CARE HUB	7	m^2
MOBILE CARE HUB	5	m^2
INFECTION CARE	48	m^2
CAFÉ	76	m^2
STAFF WORKOUT AREA	73	m^2
TOTAL	1858	m²
+	342	m²











FLEXIBLE AREAS ALONG THE CORRIDOR

WORKING

POD

NOOK

WORKING POD

NOOK

SUPPLY

NOOK

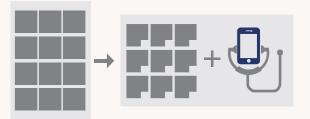
В

SUPPLY

DIGITAL CARE HUB

- DIGITAL MEETING ROOMS
- ONE POINT OF CONTACT

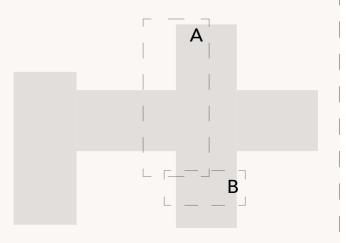
REDUCTION OF OFFICES & EXAMINATION ROOMS: WORKING FROM HOME



34 EXAMINATION ROOMS 18 OFFICES



30 EXAMINATION ROOMS 13 OFFICES







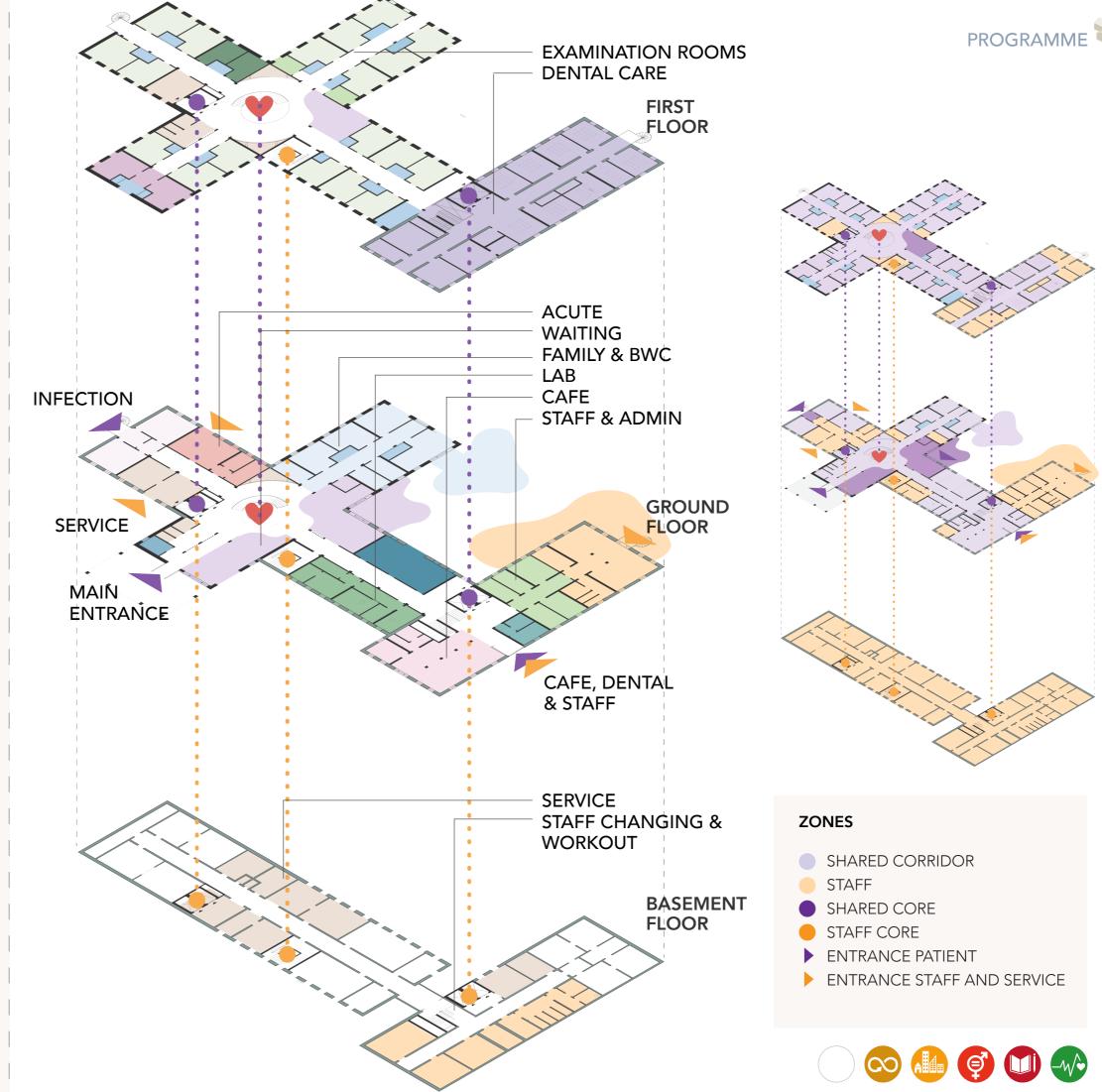




FLOOR PLAN CONCEPT

- ACCESS POINTS TO SITE AND ENTRANCES ARE SEPARATED FOR FLOW AND EFFICIENCY
- THE HEART AND DEPARTMENTS
- THREE CORES

- **♥** HEART
- WAITING AREA
- EMERGENCY
- CAFE
 - INFECTION CARE
- STAFF AREA
- SERVICE SPACES
- ADMINISTRATION
- LAB
- DIGITAL CARE
- PREVENTIVE CARE
- COMMUNICATION CENTRE
- FAMILY CENTRE WITH BWC
- FLEXIBLE AREAS
- DENTAL CARE
- **EXAMINATION ROOMS**
- PSYCHOSOCIAL RECEPTION
- WOMEN'S CLINIC





10

15

20m





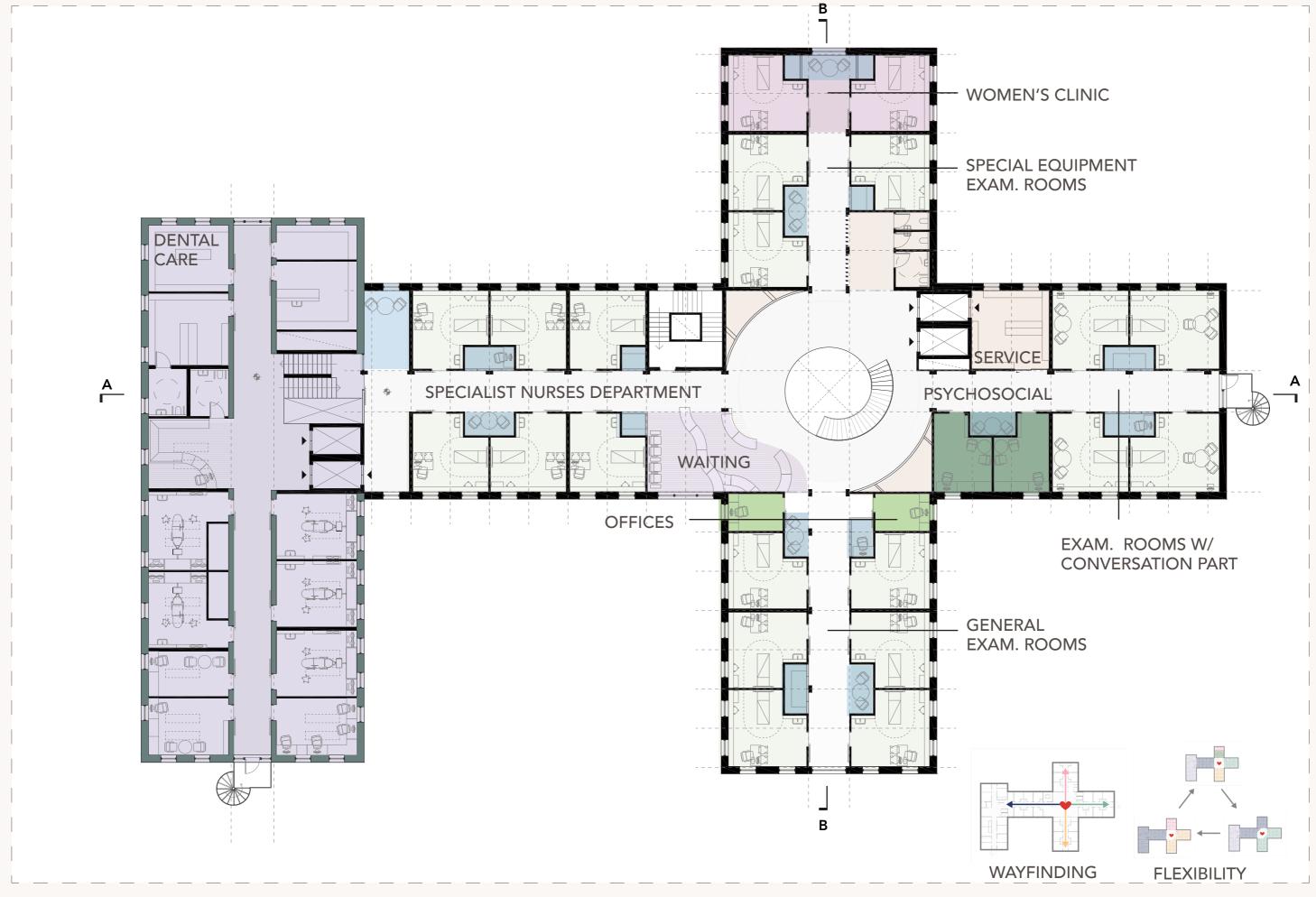








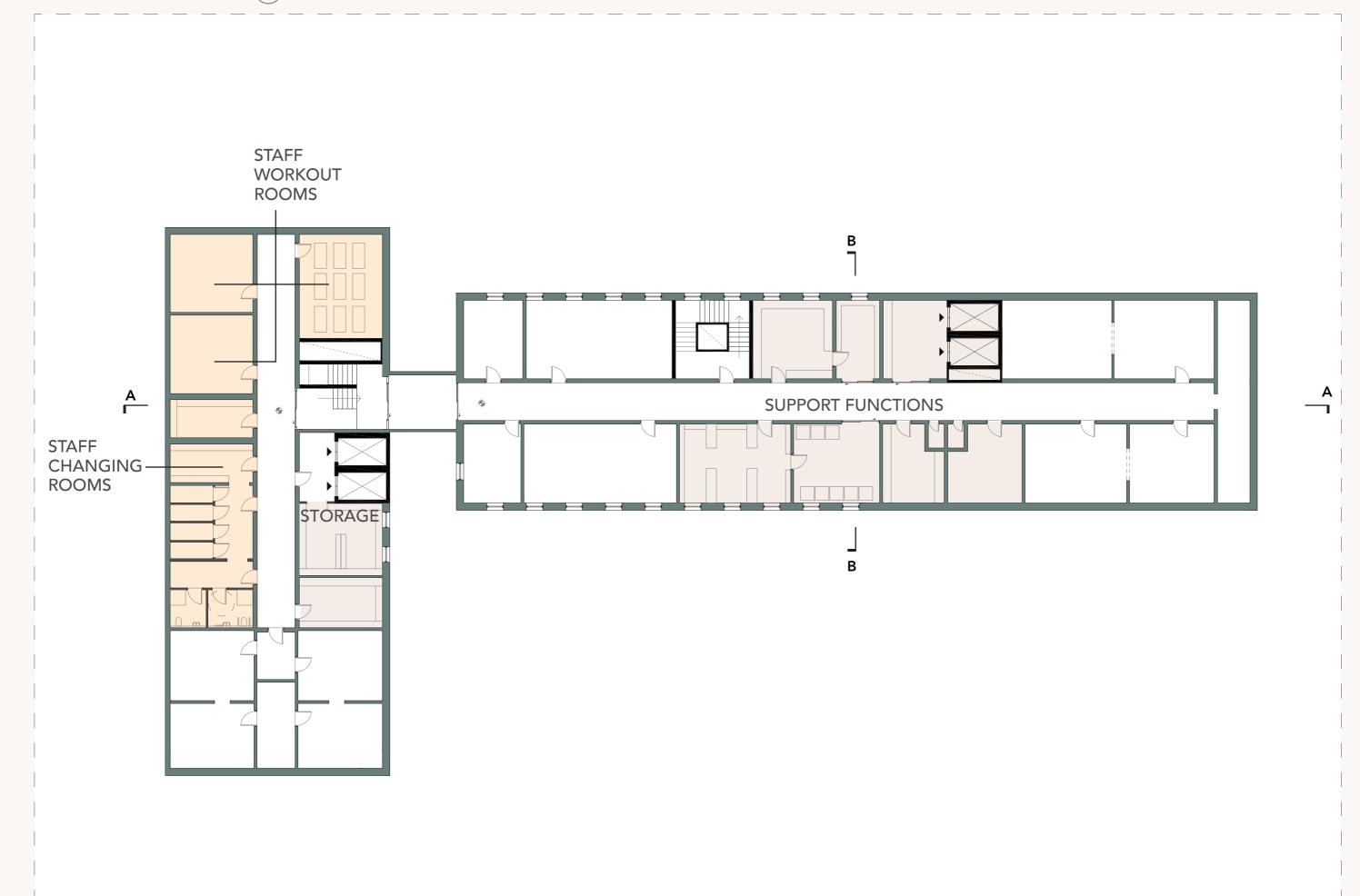












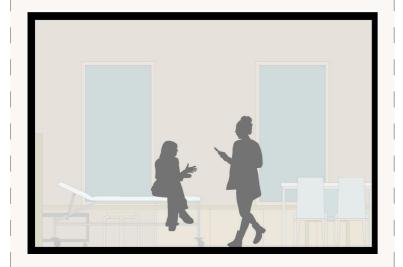




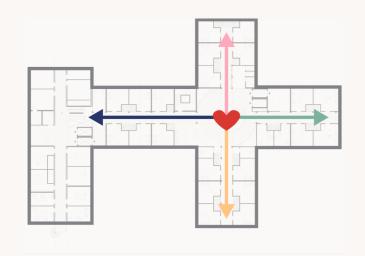


DEPARTMENTS

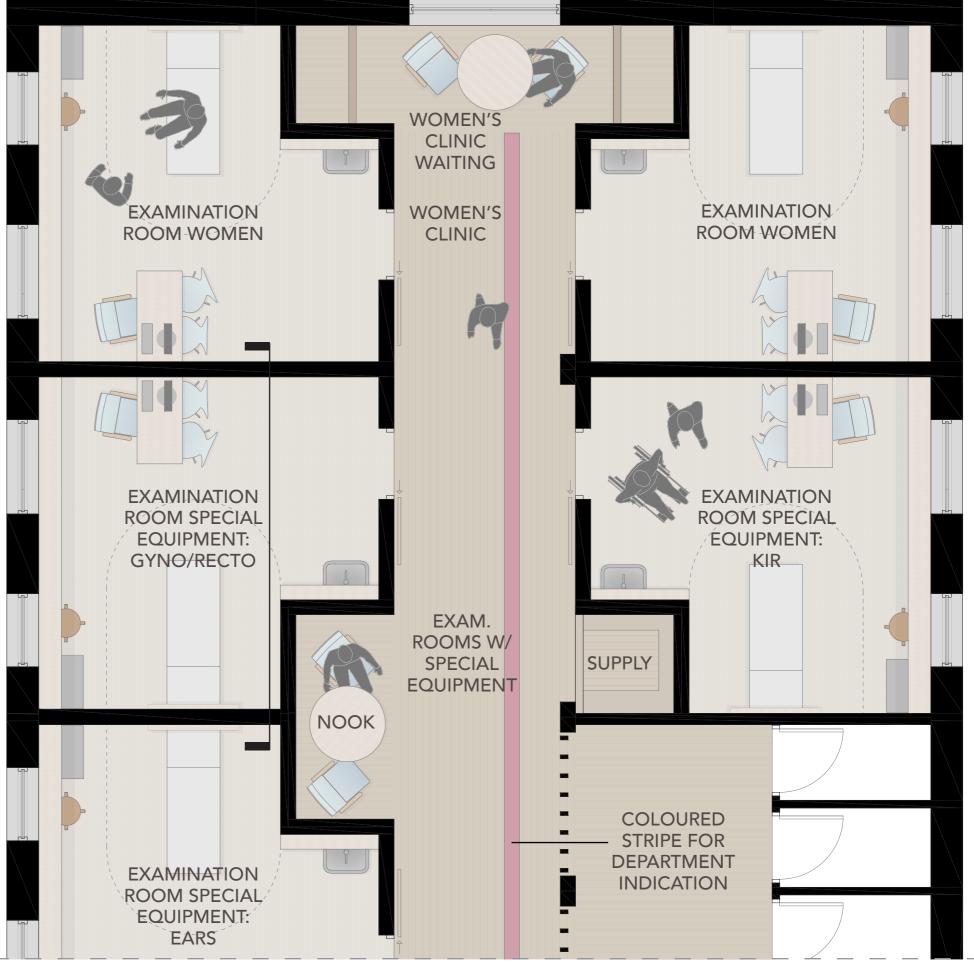
SECTION - EXAMINATION ROOM



EASY WAYFINDING







5 m





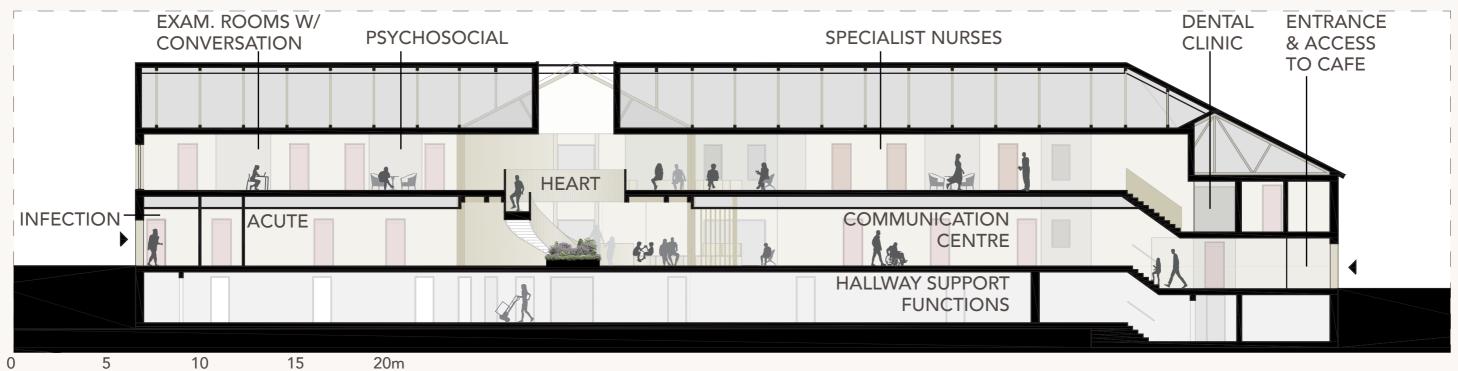


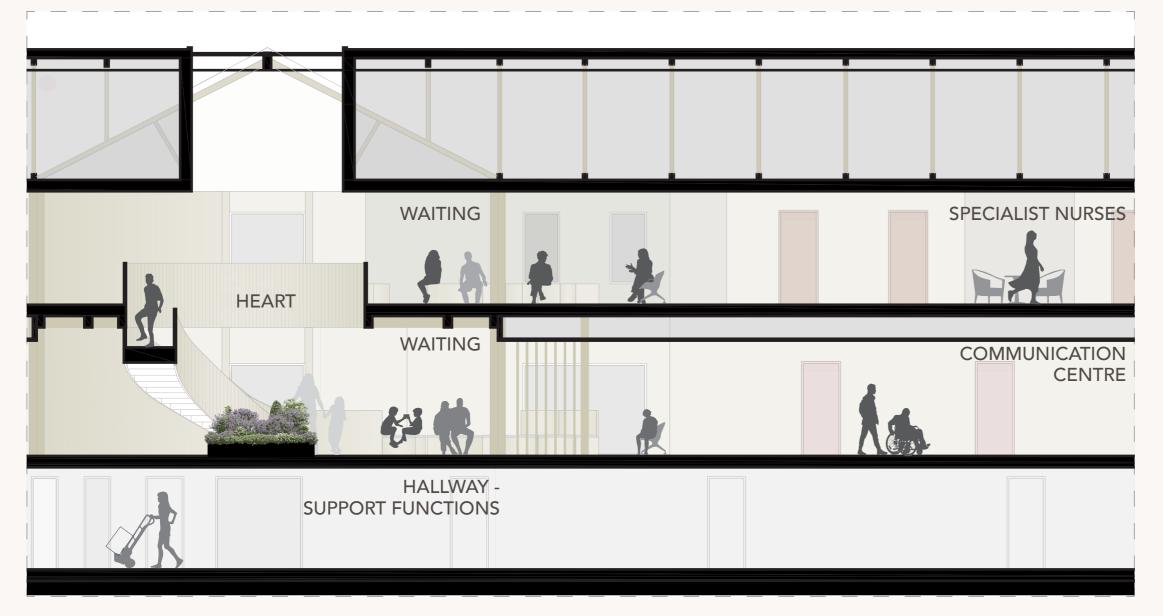














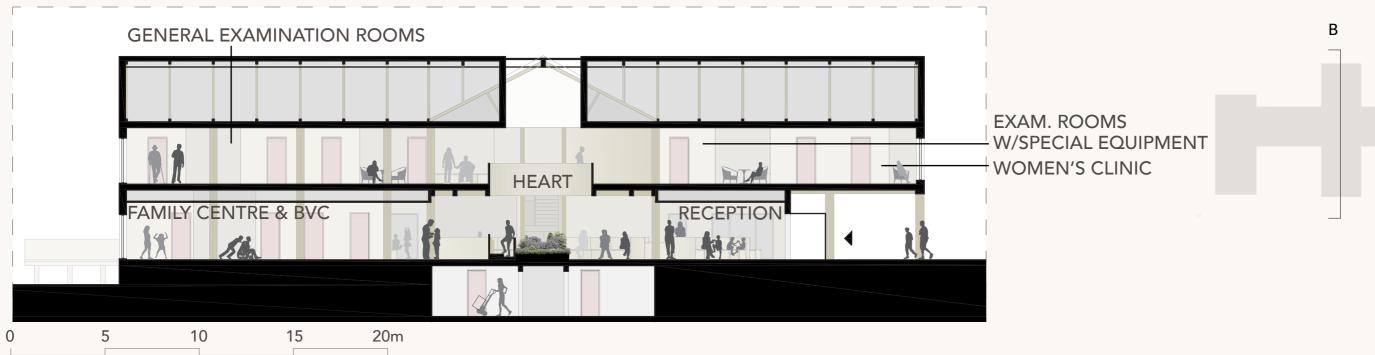


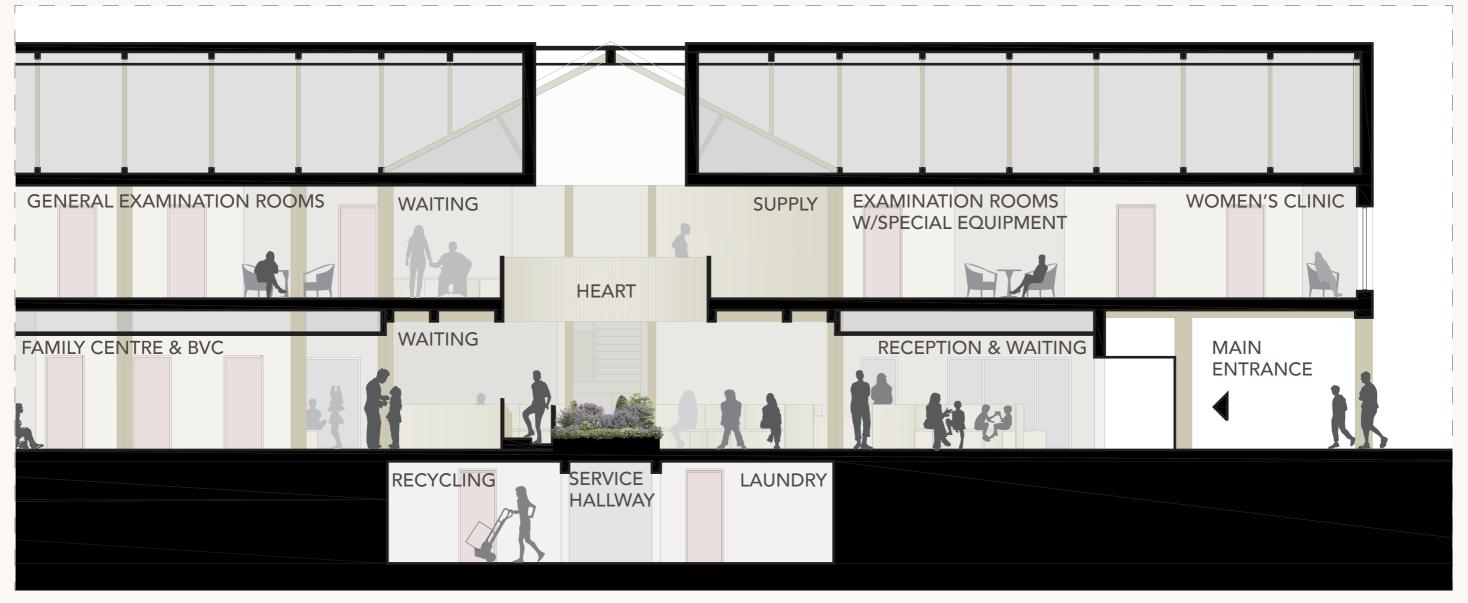










































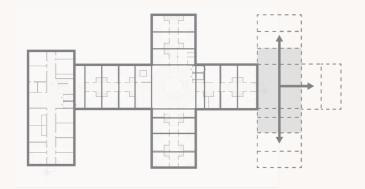
STRUCTURE

EXISTING & MODULAR

- MODULAR CLT-STRUCTURE
- REUSE THE EXISTING FOUNDATION, BASEMENT AND STRUCTURAL WALLS
- ADDITIONAL STRUCTURAL COLUMNS

CLT: ELASTICITY & FOOTPRINT

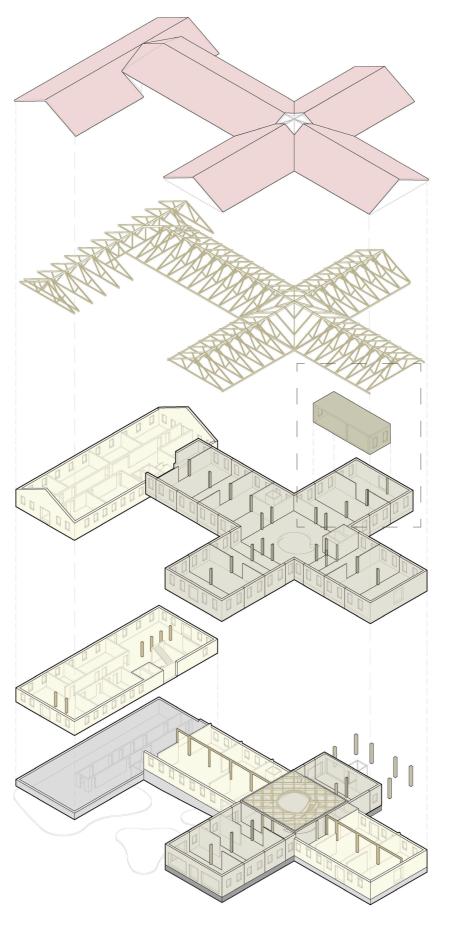
- POSSIBILITY FOR EXPANDING OR DECONSTRUCTION
- LOW CARBON FOOTPRINT



STRUCTURAL ELEMENTS

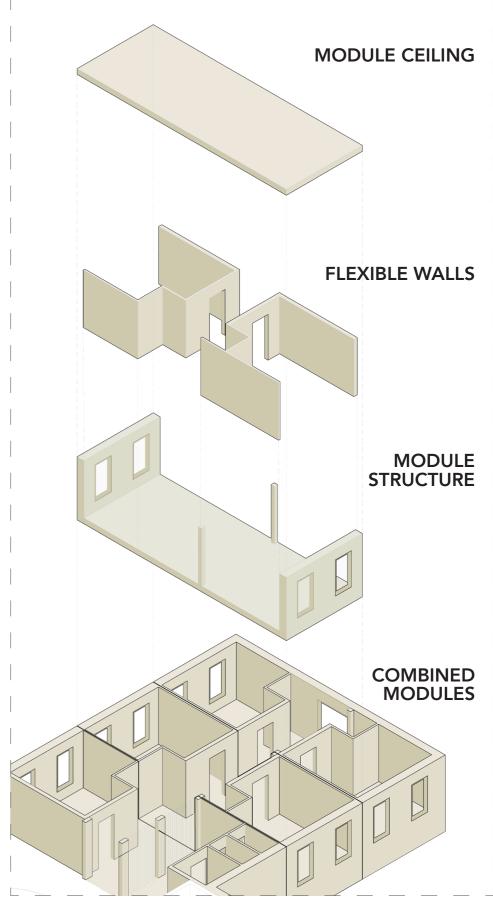
- REUSED AND NEW ROOF TILES
- TIMBER TRUSS STRUCTURE
- EXISTING LOAD BEARING BRICK WALLS
- NEW CLT MODULES
- EXISTING CONCRETE FOUNDATION
- NEW CONCRETE FOUNDATION
- ENGINEERED TIMBER COLUMNS

STRUCTURAL AXONOMETRIC









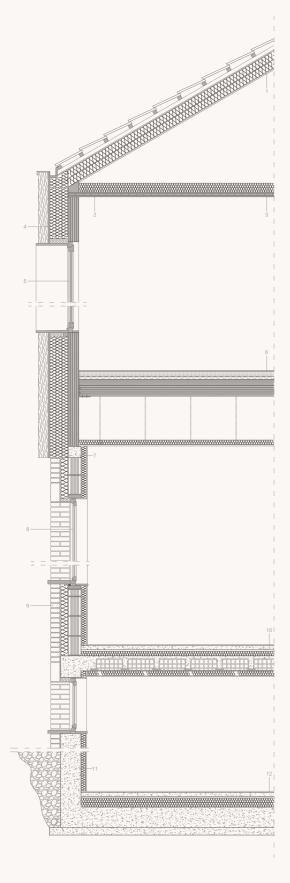




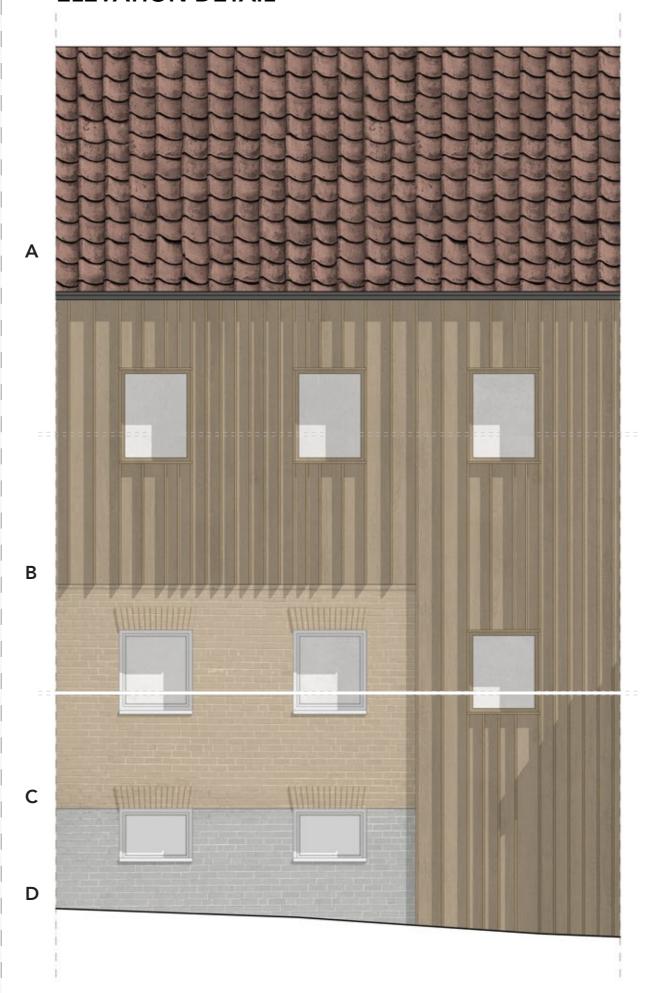


STRUCTURAL DETAIL

 MODULAR STRUCTURE ADDED ONTO THE EXISTING BRICK WALL



ELEVATION DETAIL







A SINGLE-CUP BRICK



B LARCH TIMBER



B BRICK WITH MUD PLASTER, COLOURED IN YELLOW



B CONCRETE AND STONE BRICK, MOLDED AND PAINTED GREY











SUSTAINABILITY

ECONOMIC

- REUSING EXISTING BUILDINGS
- MODULAR STRUCTURE
- ELASTICITY

SOCIAL

- FUNCTIONAL GREEN SPACES
- COMMUNITY FUNCTIONS
- WOMEN'S CLINIC
- PERSON-CENTERED DESIGN
- STAFF WELLBEING

ECOLOGICAL

- INCREASING BIODIVERSITY
- LOW CARBON FOOTPRINT

