

ARCHITECTURE PORTFOLIO
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ELIA SOLIS RODRIGUEZ
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INDEX

- 1_ URBAN GARDEN
A CORUÑA - SPAIN
- 2_ ELDERCARE HOME
BURMARRAD - MALTA
- 3_ MANUFACTURING
GOZO
- 4_ FARMHOUSE
GOZO
- 5_ COLLECTIVE BUILDING
MALTA

- URBAN GARDEN -

"A SMALL STEP TOWARDS
SELF-SUFFICIENT CITY"

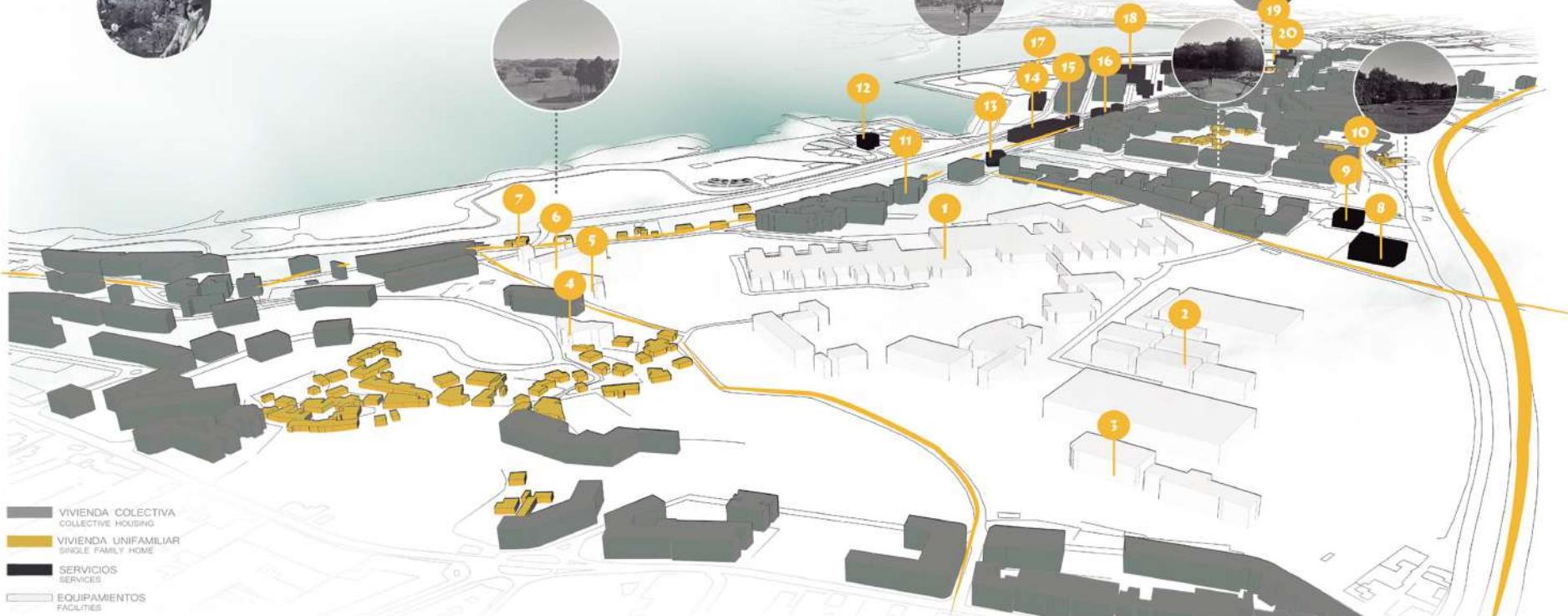


"THE VERY ESSENCE OF ARCHITECTURE CONSISTS
OF A VARIETY AND DEVELOPMENT REMINISCENT OF
NATURAL ORGANIC LIFE. THIS IS THE ONLY TRUE
STYLE IN ARCHITECTURE."

ALVAR AALTO



- 1 UNIVERSIDAD LABORAL
LABORAL UNIVERSITY
- 2 UNIVERSIDAD LABORAL
INSTALACIONES DEPORTIVAS
- 3 COLEGIO PÚBLICO
PUBLIC SCHOOL
- 4 GUARDIA CIVIL
CIVIL GUARD
- 5 COLEGIO PÚBLICO
PUBLIC SCHOOL
- 6 COLEGIO PÚBLICO
INSTALACIONES
- 7 COMISARIA P. LOCAL
POLICE
- 8 SUPERMERCADO
SUPERMARKET
- 9 CENTRO DE SALUD
HEALTH CENTER
- 10 CONSERVATORIO
- 11 GASOLINERA
FUEL STATION
- 12 JARDÍN BOTÁNICO
BOTANIC GARDEN
- 13 CENTRO DE DÍA ANCIAÑOS
CENTER FOR THE ELDERLY
- 14 CENTRO DE JUVENTUD
YOUTH CENTRE
- 15 CENTRO DE ENFERMEDADES RARAS
RARE DISEASE CENTER
- 16 ESTACIÓN DE TREN
STATION
- 17 PISTAS DEPORTIVAS
SPORTS TRACKS
- 18 EDIFICIOS INSTITUCIONALES
INSTITUTIONAL BUILDINGS
- 19 SUPERMERCADO
MARKET
- 20 TABACALERA
OLD FACTORY TABACO



PLANO DE SITUACIÓN SITUATION PLAN

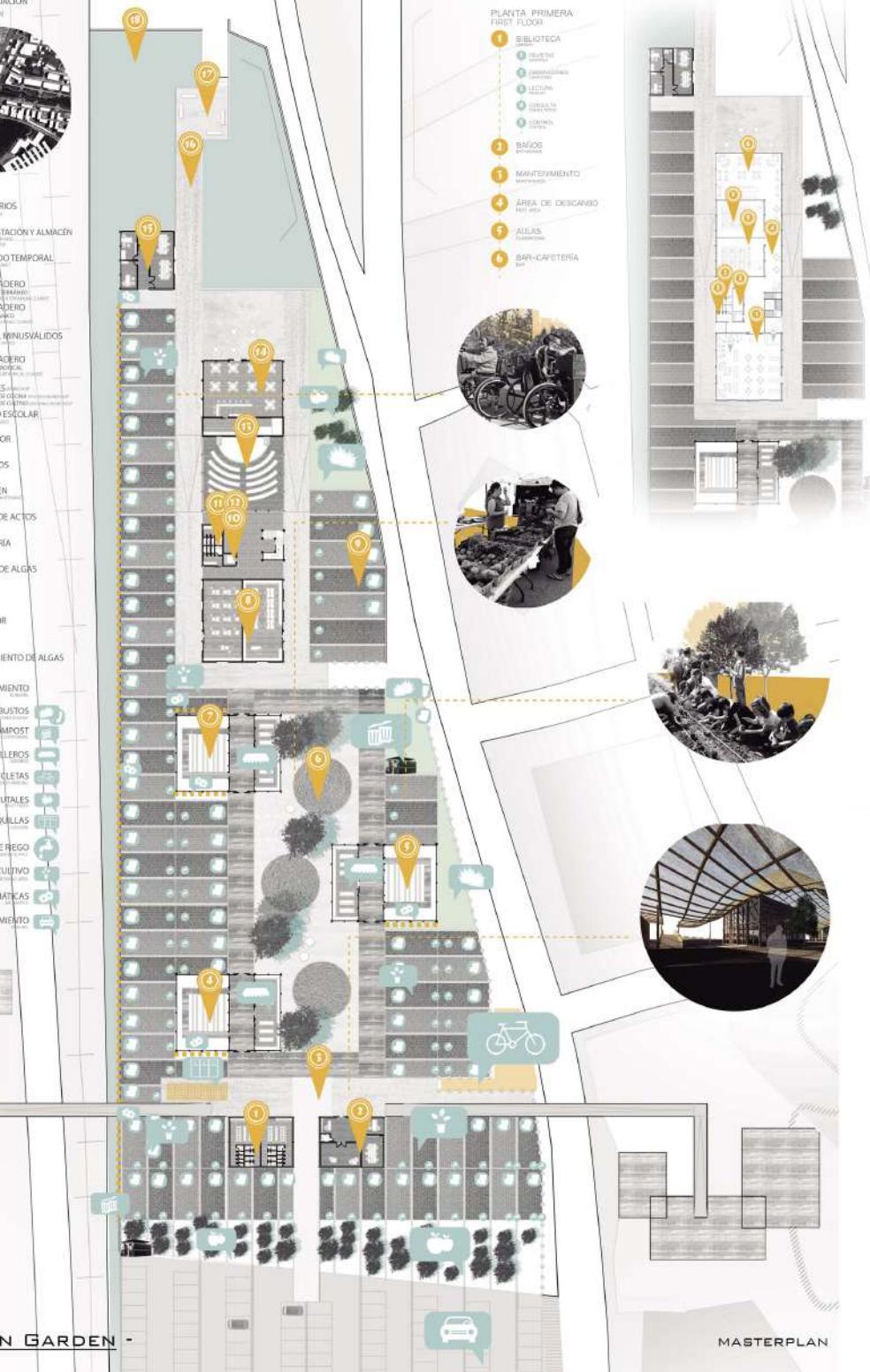
SUSAN J. PEAN



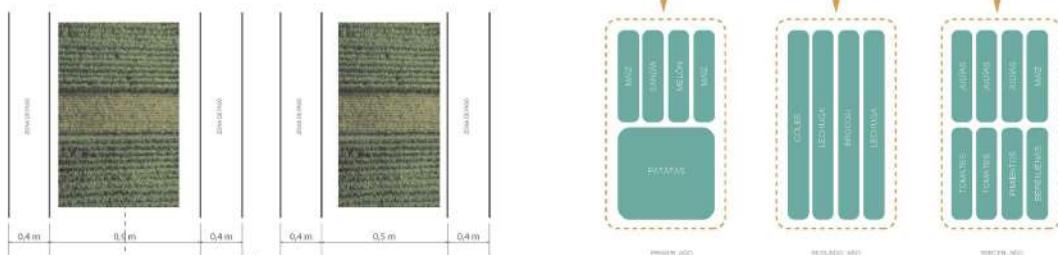
VESTUARIOS

RECÓN DE ALMACENAMIENTO

- URBAN GARDEN



DISTRIBUTION



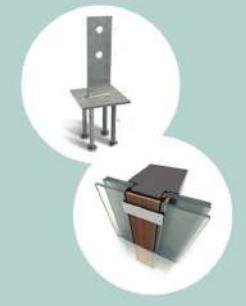
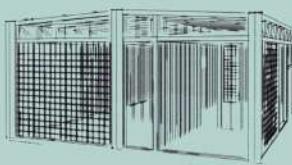
URBAN GARDEN RULES

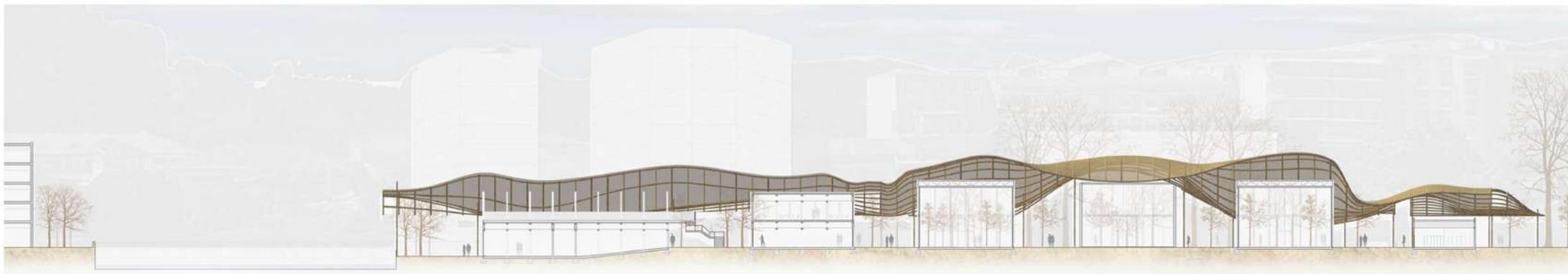


A word cloud centered on the words "organic food". Other words include "fresh", "natural", "healthy", "farmer", "vegetable", "fruit", "cotton", "Market", "natural", "bacon", "bacon", "lettuce", "tomato", "potato", and "lettuce".



GREENHOUSE VIEW

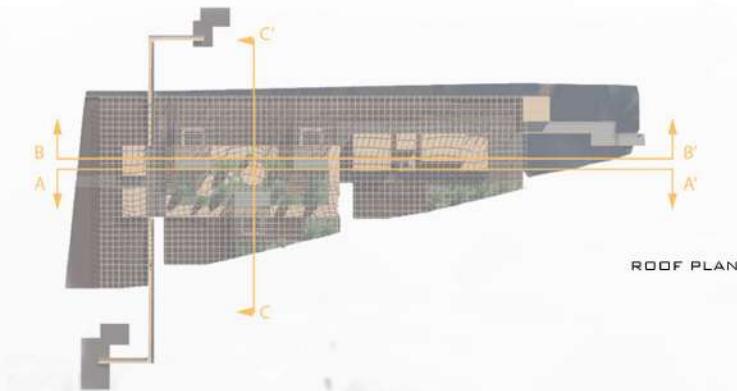




SECTION A-A'



SECTION C-C'



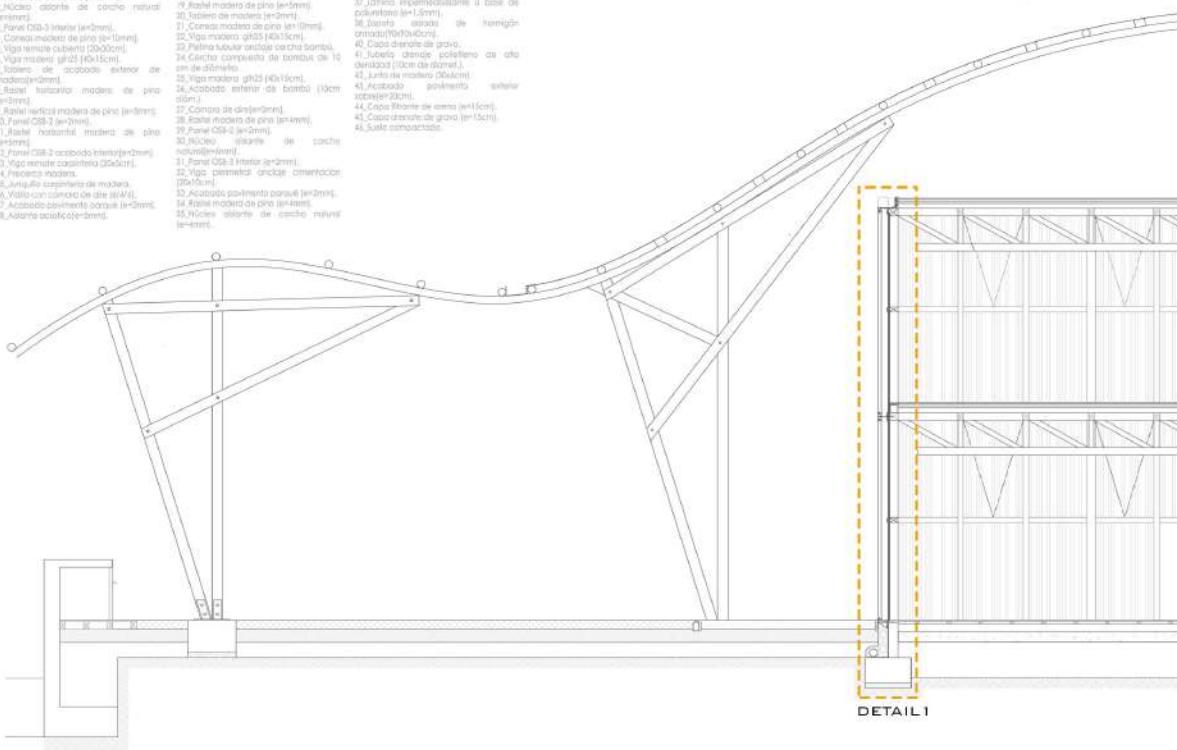
ROOF PLAN



PHOTOMONTAGE

1. Panel OSB-3 cubierto (10x2mm).
 2. Panel OSB-3 exterior (10x2mm).
 3. Panel OSB-3 interior (10x2mm).
 4. Concha madera de pino (10x10mm).
 5. Vigas madera de pino (10x10mm).
 6. Vigas madera de pino (10x10mm).
 7. Roseta de acabado exterior de madera (10x2mm).
 8. Tablero horizontal madera de pino (10x2mm).
 9. Roseta vertical madera de pino (10x2mm).
 10. Panel OSB-2 (10x2mm).
 11. Panel OSB-2 madera de pino (10x2mm).
 12. Panel OSB-2 acabado interior (10x2mm).
 13. Viga madera cuadrada (25x25cm).
 14. Viga madera cuadrada (25x25cm).
 15. Angulo cincado exterior de madera.
 16. Valla con canica de aluminio (10x10mm).
 17. Acabado pavimento parquet (10x2mm).
 18. Asiento acolchado (10x4mm).

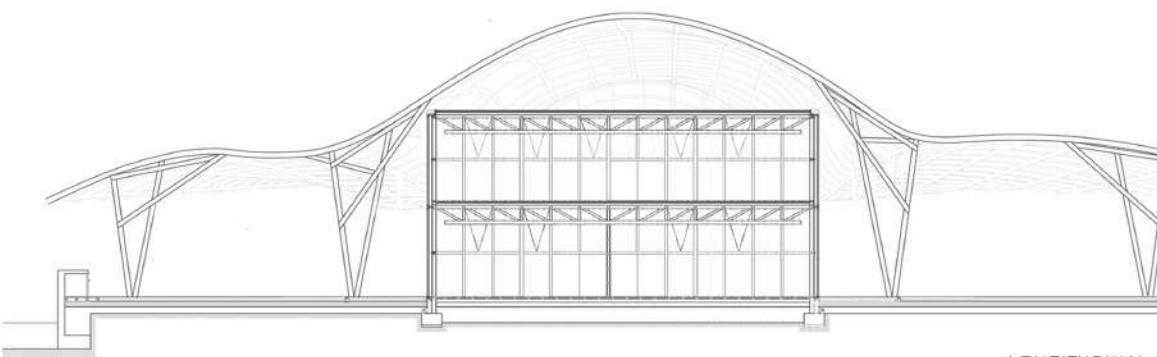
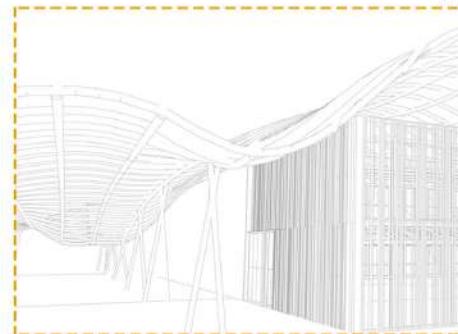
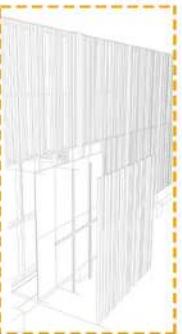
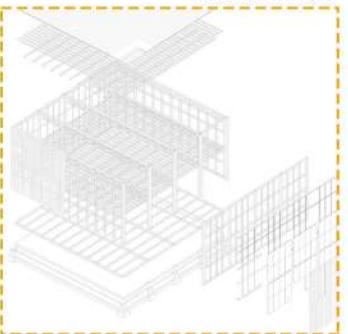
19. Asiento acolchado (10x4mm).
 20. Asiento madera de pino (10x2mm).
 21. Tablero de madera (10x2mm).
 22. Concha madera de pino (10x10mm).
 23. Viga madera cuadrada (25x25cm).
 24. Viga madera cuadrada (25x25cm).
 25. Cuchilla de hormigon armado (10x10cm).
 26. Juntas de hormigon armado (10x10cm).
 27. Juntas impermeabilizante a base de poliuretano (10x10mm).
 28. Batería exterior de hormigon armado (10x10cm).
 29. Caja derecha de grava.
 30. Jumbo exterior poliuretano (10cm da altura).
 31. Caja izquierda de grava.
 32. Acabado pavimento exterior (10x20mm).
 33. Acabado pavimento exterior (10x20mm).
 34. Caja frontal de arena (10x10cm).
 35. Caja frontal de arena (10x10cm).
 36. Suelo compuesto.



AXONOMETRIC

VIEW 1

VIEW 2



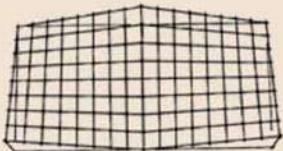
LONGITUDINAL SECTION



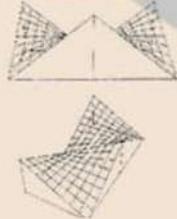
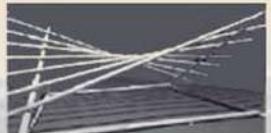
DETAIL 1



Con el paraboloid creamos la sensación de una superficie curva a través de elementos rectos



We create an paraboloid feeling of a surface curve



NATURALEZA CUBIERTA
NATURE COVER



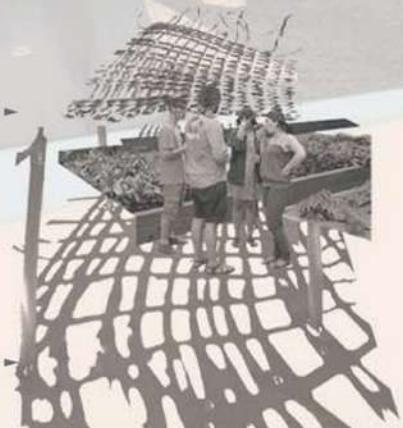
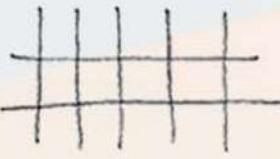
MODELIZACIÓN CUBIERTA
MODELING COVER



Partimos de una malla de 2,5 x 2,5 m
We start from a mesh 2,5 x 2,5 m



RACIONALISMO HUERTOS
RATIONALISM GARDENS



ELDERCARE HOME
BURMARRAD



LEGEND

SITE BOUNDARY	1	DROP-OFF AREA
ENTRANCE TO BUILDING		RECEPTION
ENTRANCE TO PLOT		MEDICAL+SPECIALIZED
ENTRANCE TO GARAGE		RECREATION
STAIRCASE		ANCILLARY
CIRCULATION		SHOPS / FACILITIES
ROAD		MULTIPURPOSE SPACE
SWIMMINGPOOL		RESTAURANT
VEGETATION		KITCHEN
PATHS		WC
PONDS		LEISURE AREA
PERGOLA		PIAZZA
BRIDGE		GAMES AREA
GROUP SEATING		RESIDENTIAL AREA



PHOTOMONTAGE 1



PHOTOMONTAGE 2



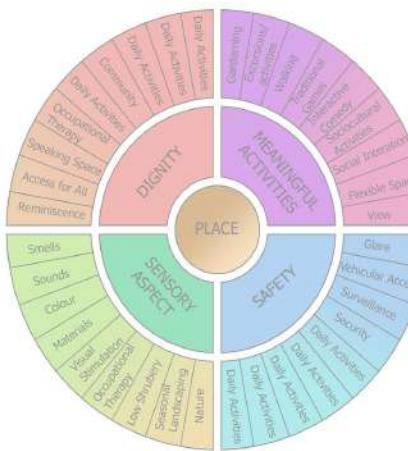
MASTERPLAN



AXONOMETRY

DIGNITY

EVEN THOUGH PEOPLE SUFFERING FROM DEMENTIA HAVE LESS COGNITIVE AND PHYSICAL ABILITY, WE SHOULD STILL DESIGN AROUND THEM TO MAKE SURE THEY ARE COMFORTABLE. DIGNITY INCLUDES: ACCESS FOR ALL, THE USE OF APPROPRIATE SEATING AND TRIGGERS. THEIR MIND CAN COMPREHEND, AND THE USE OF ARCHITECTURE THAT IS FOUND IN THEIR PAST MEMORIES, WHICH BOTH HELPS THEM RELATE TO THE OBJECT AS WELL AS TRIGGERS THEIR MEMORY. THIS IS ALSO AIDED BY THE ASPECT OF TIME THAT IS, DIFFERENT SOUNDS, SIGHTS AND ACTIVITIES REPEATED AT DIFFERENT TIMES OF DAY, WEEK, MONTH AND YEAR THAT INDICATE THE PASSAGE OF TIME LIKE FESTIVE DECORATIONS AND MUSIC, SEASONAL VEGETABLES, AND FLOWERS. SEASONAL MEMORY TRIGGERS ARE ALSO AIDED BY THE ITEMS DISPLAYED IN THE SHOP WINDOWS, WHICH VARY ACCORDING TO THE TIME WITHIN THE YEAR. CURRENTLY, THE DEMENTIA PATIENTS LINE UP IN THEIR CORRIDOR WHERE THEY CAN MEET THE MOST PEOPLE AND FACE THE GARDEN. BECAUSE OF THIS, THE BUSIEST ACTIVITIES ARE CONCENTRATED AROUND THE CENTRE OF THE GARDEN WHERE THEY WOULD BE MOST VISIBLE.



SENSORY STIMULATION

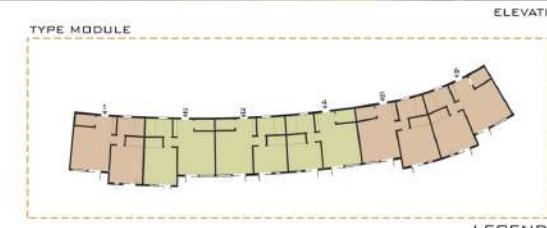
THE SPECIES OF LANDSCAPING, THE SOUNDS OF SURFACES AND THE COLOURS USED ARE IMPORTANT AND SHOULD NOT BE RELEGATED TO NEUTRAL TONES IN THE NAME OF SAFETY. AS A GARDEN IT SHOULD PROVIDE A MEMORABLE EXPERIENCE, WHICH LEADS THE VIEWER ON THROUGH THE PARK THROUGH A LAYOUT WHICH IS NOT IMMEDIATELY OBVIOUS AND REWARDS EXPLORATION. A SENSE OF DISCOVERY IS ALSO IMPORTANT, TO IMPROVE THE EXPERIENCE OF PATIENTS, ESPECIALLY DEMENTIA PATIENTS WHO TEND TO FORGET.



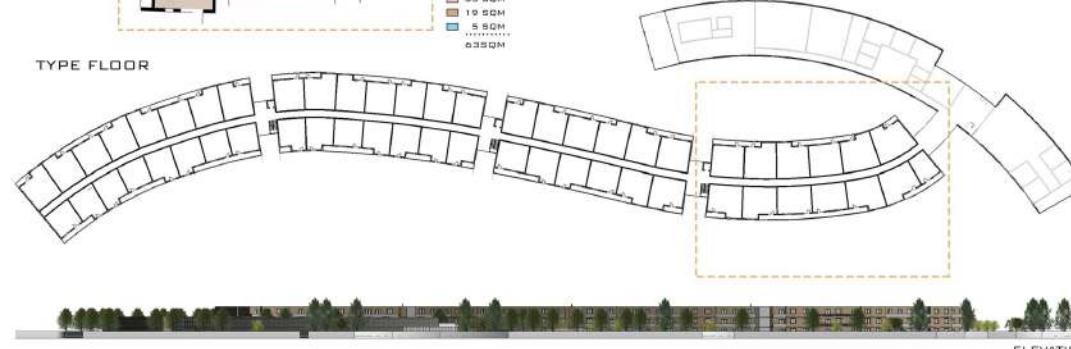
AREAS

TOTAL AREA 23387.55 SQM
BUILT AREA 5687.26 SQM
BUILT UP PERCENTAGE..... 25%

RESIDENTIAL
BUILT AREA 4098.26 SQM
FLAT AREA 58 SQM
NUMBER FLATS FLOOR 55
FACILITIES
BUILT AREA 1589 SQM



TYPE FLOOR



MEANINGFUL ACTIVITIES

FOLLOWING WITH THE PREVIOUS OBJECTIVE, A SPECTRUM OF ACTIVITIES SHOULD BE PROVIDED TO KEEP THE USERS BUSY AND OCCUPIED. ACTIVITIES SHOULD BE MEANINGFUL, BOOSTING THE PATIENTS' SELF-ESTEEM. OCCUPATIONAL THERAPY HELPS PATIENTS KEEP THEIR BRAIN ACTIVE, IMPROVING THEIR LIFE. THE MOST IMPORTANT ACTIVITIES ARE:

- GAMES SUCH AS BOCC
- POP-UP SHOPS THAT CAN BE RUN BY NURSES SUPERVISING THE ELDERLY
- WHEELCHAIR FRIENDLY PLANTING BEDS, AND
- THE OCCASIONAL INTERACTIVE COMEDY SHOW.
- SITTING IN THE SHADE AND PEOPLE WATCHING

IT IS IMPORTANT THAT THE LOCATION AND CURRENCY OF THESE ACTIVITIES IS FIXED AS CHANGE IS DIFFICULT FOR DEMENTIA PATIENTS TO COMPREHEND.



SAFETY

PAVING MUST BE FLAT AND FREE OF INTRICATE TEXTURES, WITH DIFFERENT COLOURS AT BOUNDARIES AND RAMPS. THE SHADING DEVICES USED ARE CHOSEN TO PROVIDE SOFT, HOMOGENEOUS SHADOWS AND PREVENT GLARE. THE 1:20 RAMPS ARE INTEGRATED INTO THE DESIGN SO THEIR PURPOSE IS MORE THAN JUST FUNCTIONAL. VEHICULAR ACCESS IS PROVIDED THROUGH A CONCEALED EXIT WITHIN A TRELLIS SO AN AMBULANCE CAN ENTER AND EXIT THE GARDEN THROUGH A LOOP.



- MANUFACTURING -

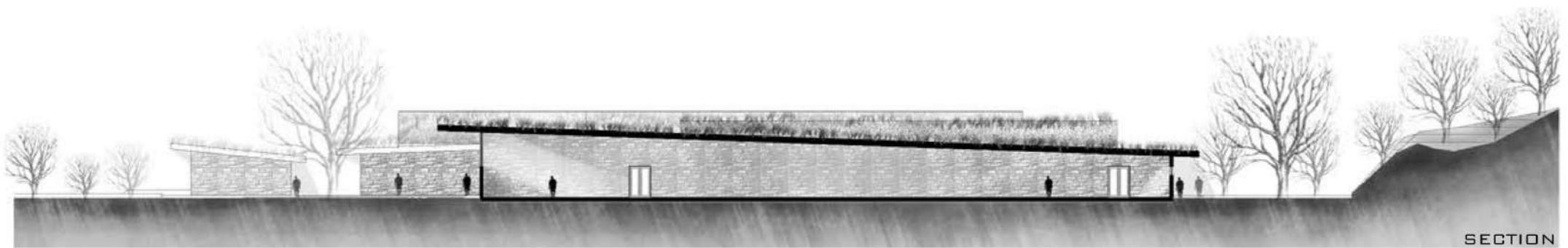
GOZO



THE PROJECT TRY TO BE INTEGRATED AND SENSITIVE WITH ENVIRONMENT.

THROUGH THE CREATION OF NATURAL AND OUTDOOR SPACES OF INTERRELATION AND ROOF GARDENS.

THE PROPOSED INCLUDED 6 VOLUMES WITH DIFFERENTS ACTIVITIES



- EXTENSION AND RESTORATION
EXISTING FARMHOUSE -
GOZO





EXTENSION AND RESTORATION EXISTING FARMHOUSE



- COLLECTIVE BUILDING -
CONCEPT -MALTA

