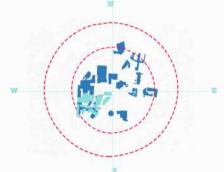
THE URBAN CATALYST: THERAUPTIC COMMUNITY HUB

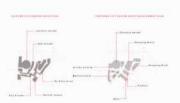


SHINU SHIBU M ARCH ARCHITECTURE 9704161

Module Title: Pesign Thesis Module Gode: 7044AAP JANMAY







CASE STUDY: PHOENIX INITATIVE, COVENTRY

- Hew gall way to consects used conferenced and hybre (the group bridge).
 A place where foured can stay to expedience the assumes of the city.
 Croste new focus for the city.
 Inserting vertex of comments new public spaces.



CITY CENTER DEVELOPMENT

surviving buildings































PRIMARY STUDY

THE URBAN CATALYST: THERAUPTIC COMMUNITY HUB

SHOPPING QUARTER:







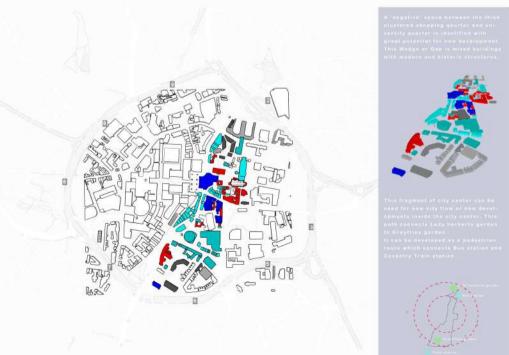
CIVIC AND UNIVERSITY QUARTER:



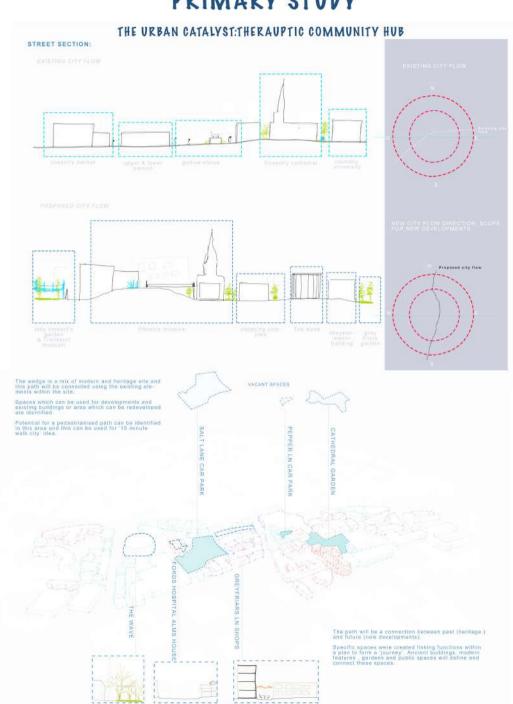








PRIMARY STUDY



SITE ANALYSIS



The post war development of coventry city center is mainly focusing on shopping qarter and civic /univeristy quarter. By analysing the city planning of coventry city center, there is a wedge inside the city center which divides the two quarters have much more oppurtunity than the exsiting city center. The appurtunity of this area is the intimacy with city since it is having organic planning when compared to existing city center.



GIBSON PLANNING

GIBSON

The site which i have selected is in between a green route which is starting from Greyfriars green memorial park .so the existing green path is potential area for development. The ford hospital in the green path is selected as a main development space, due to its historical and functional values. The wave , which is a modern building used as a water amusement park is a nera by building. The wave is one of the main foacl point inside the wedge area.

THE WEDGE

The green space and the devvelopments within this area will act as a catalyst to activate this wedge and can be developed into a new city attarction. The site have a great oppurtunity than any other spaces inside the city

center including the proposed city center south development.

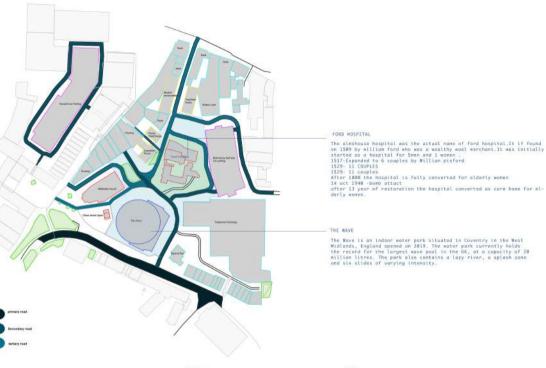
The site include the wave, ford hospital and near by car park area like salt lane and barrack.

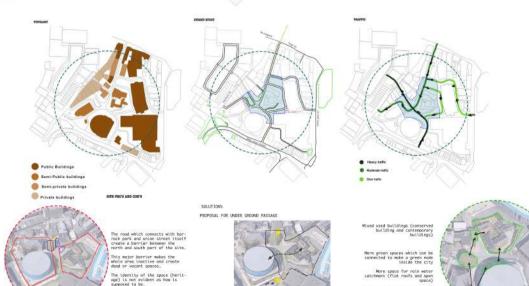
Wave is a water amusement center with modern construction , where as ford is a heritage building which buit on

1509 by william ford for eledrly people and now it works as a care for elderly women.

DESIGN DEVELOPMENT

THE URBAN CATALYST: THERAUPTIC COMMUNITY HUB





DESIGN DEVELOPMENT

THE URBAN CATALYST: THERAUPTIC COMMUNITY HUB

Most of the buildings inside the site are public and the main road which is passing through the site is connecting barrack car parking to union street, this is one of the main obstacle inside the site, this barrier need to be removed to get full site for the proposed development.

The green nodes and the shrub walk inside the site will act as a part of the green network which is porposed inside the area. In an urban space everything is co-related and dependent to each other, likewise, in this area every existing elements will act as a networking factors for the development. The existing elements like ford hospital and the wave is connected for creating a urban design, so connecting heritage and contemporary buildings with a common gathering space, which will act as a catalyst for activating the whole area, so this juxtapose deisgn should be public, connect with existing urban context and will be a sustainable deisan. able deisgn.

I started analysing the pools in coventry . Creating a pool near to wave is to bring the closed public space to open public domain, which will be benificial to all the site users. The next tool for this design is communal garden , which is a design response to existing historic context of site

Operating heritage and contemporary building with a common gathering space, which will set as a contalyst for activating that whole are. So the intervention

PUBLIC COMECT WITH EXISTING UNION CONTEXT SISTEMATICS









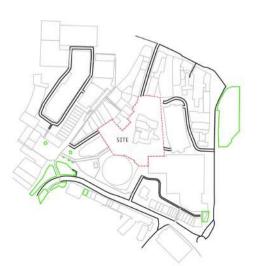
COVENTRY AND SWEMMENG POOL

17 + Swimming pools History of pool culture

The proposal establish a center of urban resilliance, connecting local communities and the issues they faces to existing expertise that can facilitate



URBAN POOL AND COMMUNAL GARDEN

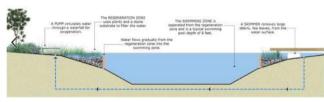


NATURAL POOL



f Soil and Water: King's Cross Pand Club was be UK's first meer, won-made natural seisming

NATURAL POOL FILTERATION



ommunity gardens allow for the creation of social ties and build a greater feeling of community. Here the local community and the care home residents will be part of this communal garden. Grey water from WAVE will be used for agriculture.

Spitalfields city farm Landon





sale and training

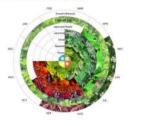






The relationship to noture is an important part of schooling. The order maniferement presents significant healthings for children, such as discouraging physical exercise and increasing exposure is or you library, assess the respective. Reducing exposures to times negative environmental factors can have great benefits on a child's well-being and lower their risk of developing chronic discoss later in life. There is increasing evidence that suggests that the presence of urbon green space can offer benefits to human health and early leight.

COMMUNITY GARDEN PLANT CYCLE:





BUILDING MATERIAL

PESIGN TECHNOLOGY

THE URBAN CATALYST: THERAUPTIC COMMUNITY HUB

THERMOWOOD CONSTRUCTION DETAILS:

The main technologies used for these deisgn are using thermo wood and blue glass panels as building materials. The design technologies will be rain water horvesting from roof top and chlorine water filteration for irrigation.

Natural pools are used as main urban pool inside the site the water for this pool is collected using rain water horvesting method.

Thermo woods helps to insulate the builtiding and its easily merge with the existing site condition.

Channel vertical cladding is used for external and internal wall.

EXTERNAL WALL THERMO WOOD CLADDING DETAILS:



EXTERNAL CORNER (OPENING)

DETAIL -A



WALL LINE

DETAIL -B

INTERNAL THERMO WOOD WALL CLADDING DETAILS:







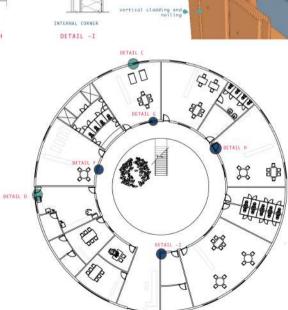
DETAIL -G



WINDOW REVEAL

DETAIL -C

DOOR REVEAL DETAIL -H



t week. Here is provide as new manying launderstand derhand to respectively, event will. (By to lapsical shaded of its for the Trape is not to a provide by get and helds of provide the west time partie by an America amagin an one of statement.

DETAIL -D

1 9 0 N B



FIXING DETAILS:

Stainless steel noils are used to fix Thermollood, because ploted noils can be demoged during fixing staining the area or could be noiled. A less visible lower gauge noil can also be used but lower pull-through strength should be noted, head or "siding noils" are suitable for Thermolloob to "out of the noiled or "siding noils" are suitable for Thermolloob to "cound-head" or "siding noils" are suitable for Thermolloob to "cound-head" on ils offer greater holding power



Kinderkrippe Nursery School HAMBURG, GERMANY Architects: KRAUS SCHÜNBERG ARCHITEKTEN Area: 428 m² Year: 2015

Childrinsted water, such as that from a pool is not suitable for watering plants. High levels of chlorine are toxic to plants. However, water compositions with law childrine contents may be used, and even grow helpful for the plants.

how to dechloringte eater and use it sofely to irrigate a gorden.

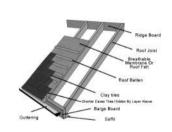
See adding any chemicals to the cool water, and the seemed to the construction of the conserved unioning pool. The cool water and the control chemicals to discussed from the conserved unioning pool.

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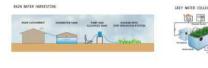
WALL SECTION AND VENTILLATION DETAIL:



SLOPPING ROOF SECTION:

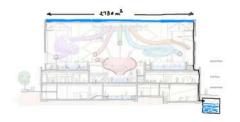


ENVIRONMENTAL



CONSTRUCTION







DESIGN DEVELOPMENT

THE URBAN CATALYST: THERAUPTIC COMMUNITY HUB

DESIGN CONCEPT Community hubs are an incredibly diverse group of entities, ranging from communal garden whech to multipurpose community centres. Community hubs are buildings (or need. They are led and run by the community and are open and accessible to averyone. This also means their purpose can change over time to be available to people. SITE BOUNDARY BUILDING RELATION: VISUAL RELATION: - Facilities for the use of the local community to ensure a healthy, active and economically thriving population.

- Services for the local community, directly or indirectly.

- Opportunities for community engagement of local people.

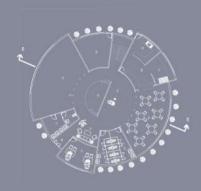
- The "added value" of a thriving community hub which meanness community life, e.g. providing a facel point for local people, providing a sense of community, providing spaces for people to meet, etc. PROPOSED SITE PLAN : SITE PLAN AT UNDER GROUND PASSAGE LEVEL: EXISTING COMPONENTS: PROPOSING COMPONENTS: 1. SKILL DEVELOPMENT (ENTER 2. COMMUNITY WITCHEN 3. MEETING SPACE 4. KIDS CARE CENTER (NURSERY) 5. COMMUNITY GARDEN BUBBLE DIAGRAM SITE ZONING THE WAVE BUILDING COMMUNITY KITCHEN & SKILL TRAINING CENTER NURSERY

1000

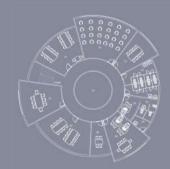




COMMUNITY KITCHEN AND SKILL DEVELOPMENT CENTER



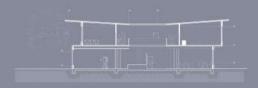
GROUND FLOOR PLAN (COMMUNITY KITCEHN



FIRST FLOOR PLAN (SKILL DEVELOPMENT TRAINING CENTER)

- 81 LIBRARY
- AZ CLASS BOOM
- TOTLET
- 05 OFFICE ROOM
- 86. STAFF ROOM
- 07 WORKSHOP ROOM
- DO STAGE DANG
- a companies de com como
- LO. MULTIPURPOSE HALL
- CO MULTIPURPO
- 11. WASH ROOM
- TEL LVEST
- 13 OFFIC
- 14 DINING AR
- or precention
- E STACE
- 17. CODKING AN
- TO WACHTHE ABO
- to CEEN RELE

- D1. THERMONOOD CLADDING
- 82. GLASS WINDOW WITH WOODEN FRAM
- 83. SHRINGLE ROOFING
- 84. WATER COLLECTION FROM ROOF TO
- 05. TEMPERED GLASS ROO
- 86. FALSE CETLE
- 87. CARPET FLOORING
- 88. WOODEN FLORRING (DINING AREA)



BUILDING SECTION -BB

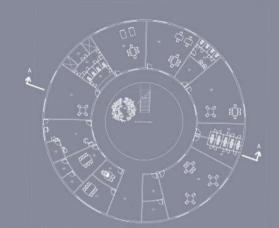
DESIGN

THE URBAN CATALYST: THERAUPTIC COMMUNITY HUB

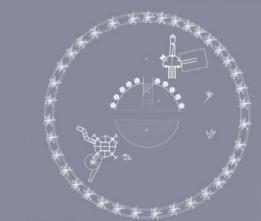
Skill development center and community kitchin space is one of the main design in community bub space. The building is fully in public space and thus the relation with it to surrounding land-scape is more, so the building is designed in an extrovert manner, Light and view is fully obsorbed from the designed surrounding landscape, large mindows are provided to optain maximum view.



NURSERY:



- 01. CLASS ROOM FOR 0 YRS
- 82. TOILE
- 03. BATHROO
- 84. MILK PREPARATION ROOM
- BE CLASS BROW FOR A VI
- 06. CLASS ROOM FOR 2 Y
- 87, TOY ROOM
- 05. MULTIPURPOSE HALL
- 89. CLASS FOR 3-SYR
- 18. STORAG
- 11. LAUNDE
- 12. LOBSY/ENTRANC
- 15. OFFIC
- 14. PRINCIPAL
- 15. STORE ROOM
- 16: STAFF ROO
- 17. KITCHEN
- 18. ACTIVE PLAY AR
- 19. SEEN BEL
- 20. ROPE MESH FRAME FOR PLAYIN





BUILDING SECTION AA

- 81. THERMOWOOD CLASDING
- 2. SOIL SPACE FOR PLANTING.
- ON WORDEN DIAY AREA ELDOR CLADRING
- 04. ROPE FRAME PLAYING AREA FOR KID
- OF HOOF CARDIN MATE OF ANTE
- ne woon Floreine
- 87. VERTICAL ROOF GARDEN SPAC

PESIGN

THE URBAN CATALYST: THERAUPTIC COMMUNITY HUB

Kids nursery is a building inside the community hub which will be a major attraction inside the community area. Nursery will act as a major link from broad gate street. The building designed for nursery is an intravert looking building designed specially for local kids. The building materials used for nursery are: thermomood clodding, modern flooring and carpet flooring are used for interior spaces.





COMMUNITY CAFE AND URBAN POOL







DESIGN

THE URBAN CATALYST: THERAUPTIC COMMUNITY HUB

Urban pool is an idea of creating a public gathering space for all age group. This natural swimming pool is a new concept of urban pool which is having a therauptic effect on users. It will be aesthetically and practically helpful for the users. Water-based exercises offers resistance training through the hydrostatic pressure of water across the whole body surface, which offers additional benefits for balance, coordination, and mobility. This light aerobic capacity of aquarobics can reduce the risk of heart disease, 2 an important consideration for seniors.

The pool is divided into two different area where west end is for public and east end is for elderly person from ford hospital. A seperate space for seniors with a priavte pool area where they can enjoy and get there own privacy at same time. The pool area is divide with a wooden over hanging bridge.









DESIGN



DESIGN WALK IN THROUGH VIDEO LINK

https://youtu.be/r9wHoXr6JBo

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Council, C., 2021. Coventry's history | Coventry's history | Coventry City Council, [online] Coventry.gov.uk. Available at: history [Accessed 30 April 2021].

SOFTWARES USED:

SKETCH UP AUTOCAD ADOBE ILLUSTRATOR PHOTOSHOP LUMION

DESIGN

THE URBAN CATALYST: THERAUPTIC COMMUNITY HUB