

# MATCH

## DISCLOSING THE MILITARY CITY LISBON



STUDENT NUMBER 4021738  
JUNE 2017

# MATCH

## DISCLOSING THE MILITARY CITY LISBON

MASTER THESIS

HERIETAGE & ARCHITECTURE 2017  
TECHNICAL UNIVERSITY DELFT

STUDIO LISBON

GRADUATION STUDIO 'DISCLOSING THE MILITARY CITY LISBON'  
LISBON, PORTUGAL  
MANUTENÇÃO MILITAR COMPLEX

STUDENT NUMBER 4021738

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JUNE 2017

## THE GRADUATION PROJECT

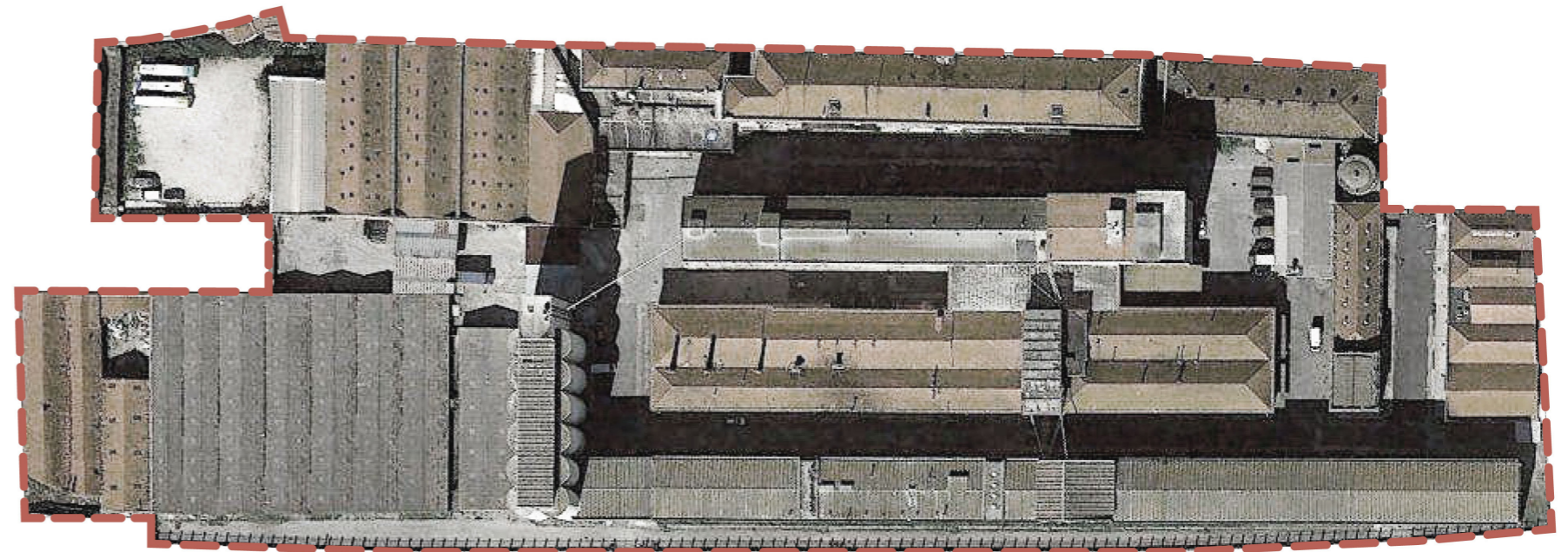
MY PROJECT INVOLVES A FORMER MILITARY SITE LOCATED IN THE EDGE OF LISBON. THE PROJECT IS LOCATED IN THE DISTRICT BEATO LOCATED NEAR THE HARBOR NORTH OF THE CENTER OF THE CITY. THIS PROJECT IS CLOSELY RELATED TO THE STUDIO OF HERITAGE & ARCHITECTURE AS IT IS NOT ONLY WORTH KEEPING, BUT CAN AND NEEDS TO BE USED TO IMPROVE THE QUALITY OF THE NEIGHBORHOOD. WITH THIS PROJECT WE FIND A NEW USE AND PURPOSE FOR THE UNUSED SITE AND NEAR URBAN SURROUNDINGS. WE ANALYZE THE AREA AND USE THIS KNOWLEDGE TO CREATE A FUNDED DESIGN THAT SHOWS THE QUALITY OF THE EXISTING AND THE FUTURE. THIS PROJECT IS A SOCIALLY RELEVANT PROJECT AS IT IS BEING REDEVELOPED AT THIS MOMENT BY THE MUNICIPALITY OF LISBON.

## PERSONAL INTEREST

I STARTED THIS GRADUATION PROJECT IN SEPTEMBER 2016. I CHOSE THIS STUDIO DUE TO MY LONGTIME INTEREST IN ADAPTIVE RE-USE OF OLDER BUILDINGS. WHAT I LIKE THE MOST IS THE SEARCH FOR LOOKING AT A BUILDING AND FIND OPPORTUNITIES WHERE OTHERS ONLY SEE A DECAYED BUILDING. MOST OF THESE BUILDINGS CONTAIN LOTS OF STORIES, HAVE A HIGH CULTURAL VALUE THAT WAIT TO BE EXPLOITED.

AS A DESIGNER AND FUTURE ARCHITECT I LIKE THE POSSIBILITIES GIVEN BY EXISTING PROJECTS THAT NEED A NEW BOOST IN ORDER TO BECOME RELEVANT ONCE MORE. I AM CONVINCED THAT IN THE FUTURE HERITAGE WILL PLAY AN IMPORTANT ROLE FOR SOCIETY AND IT WILL BECOME MORE POPULAR TO INVEST IN OLD BUILDINGS. THEREFOR THIS GRADUATION PROJECT IS SUITED TO MY PERSONAL INTEREST IN THE FIELD OF ARCHITECTURE.

WHAT FASCINATED ME FROM THE BEGINNING IS THE SOCIAL ASPECT THAT IS PART OF THE SITE. WE HAVE THIS LARGE MILITARY SITE, A LOCAL COMMUNITY AND A SOUTH EUROPEAN CULTURE THAT OFFER HIGH VALUE TO SOCIAL CONNECTION. THIS BECAME CLEAR WHEN I VISITED THE CITY FOR THE FIRST TIME AS I EXPERIENCED MYSELF HOW DIFFERENT THIS IS FROM THE NETHERLANDS. SINCE THEN THIS HAS BEEN A THEME AND FOCUS POINT DURING MY DESIGN PROCESS.





### THE GRADUATION DESIGN

THE GRADUATION PROJECT HAS RESULTED IN A CONTEMPORARY DESIGN. THIS DESIGN HAS A COMPLEXITY LEVEL THAT IS IN NEED FOR ELABORATION. AS A SUMMARY OF THE PROJECT IT INCLUDES THE MASTERPLAN SCALE, AN ENSEMBLE THAT HAS THE FOCUS POINT AND A BUILDING THAT IS WORKED OUT INTO DETAIL.

### THE MANUFACTURING COMPLEX

THE MANUFACTURING COMPLEX IS THE NAME FOR THE NEW PURPOSE OF THE PROJECT. THE COMPLEX CONSISTS OUT OF AN UPPER FLOOR ZONE WITH SEMI-PRIVATE FUNCTIONS LIKE CREATIVE WORKSPACES, SCHOOLS, CONFERENCE ROOMS, HOTEL, CRAFT BREWERY AND WINERY. THE GROUND FLOOR IS A PUBLIC AREA WITH PUBLIC SPACES, CRAFT SHOPS AND A MUSEUM.

THE AREA CAN BE USED BY LOCAL INHABITANTS, YOUNG SKILLED ENTREPRENEURS AND EVENTUALLY TOURISTS. THE SITE HAS ZONES WHERE THE DIFFERENT TARGET GROUPS CAN CONDUCT THEIR DAILY ACTIVITIES. THE UPPER PART WILL OFFER CONTEMPORARY HOUSING FOR NEW USERS.

### THE MEETING SPOT

THE FOCUS OF THE DESIGN IS IN AND AROUND THE OLD WAREHOUSE. THIS AREA IS A MEETING SPOT WHERE ALL USERS AND TARGET GROUPS CAN COME TOGETHER AND ENJOY AND EXPERIENCE THE QUALITIES OF THE COMPLEX. THIS AREA IS FOCUSED ON RECREATIONAL AND CULTURAL ACTIVITIES LIKE A MARKET SQUARE, EXPOSITION SPACES, A FOOD HALL, TASTING ROOMS, SPORT CENTER AND ACTIVITY CENTER. THIS AREA IS THE MAIN ENTRANCE OF THE ENCLOSED COMPLEX. THIS RESULTS IN A DESIGN THAT IS THE MEDIATOR BETWEEN THE OUTSIDE WORLD AND THE MANUFACTURING COMPLEX.

### MATCH

THE OLD WAREHOUSE HAS A NEW PUBLIC USE. THIS BUILDING LOCATED IN THE MEETING SPOT IS AN OLD BUILDING WITH A NEW PURPOSE WHERE THE OLD CAN BE SEEN, TOUCHED AND EXPERIENCED. THE FOCUS OF THE BUILDING DESIGN IS ON THE RELATION WITH THE SURROUNDINGS, THE STRENGTH OF THE BUILDING CHARACTERISTICS AND THE RELATION BETWEEN OLD AND NEW.

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THE PROJECT HAS BEEN CONDUCTED IN A SPAN OF ONE YEAR. THIS REPORT FOCUSSES MAINLY ON THE FINAL PHASE OF THE PROJECT. THIS ILLUSTRATES HOW THE ANALYSIS, VALUE ASSESSMENT, TRANSFORMATION FRAMEWORK AND REFLECTION LED TO THE FINAL DEISGN.

THE DESIGN IS BASED ON RESEARCH BASED ON LITERATURE, REFERENCE PROJECTS, TECHNICAL LITERATURE AND ANALYSIS BY OBSERVATION AND ANALYSIS BY RESEARCHING AVAILABLE SOURCES.

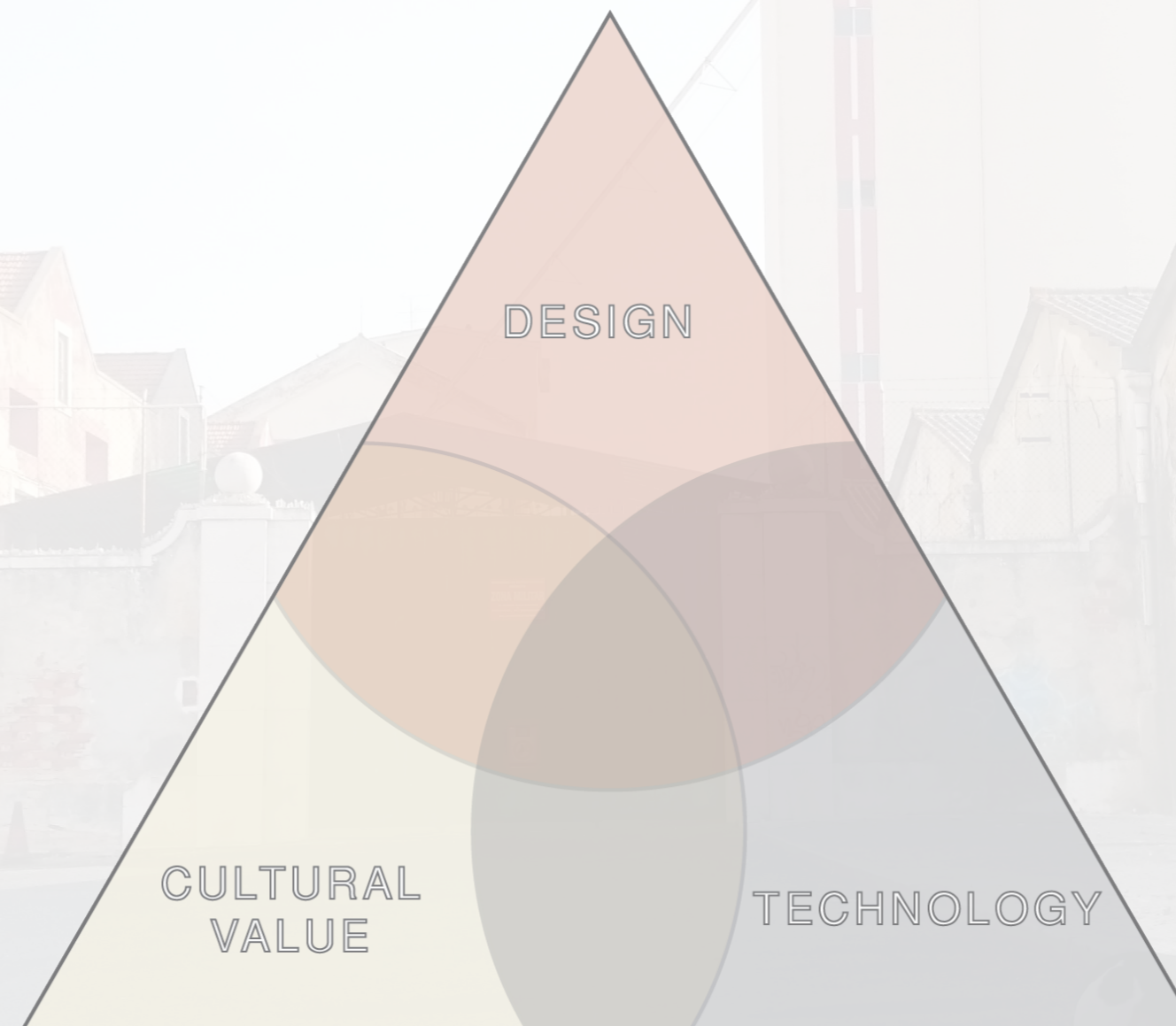


THE PROJECT IS CATEGORIZED BY THE MILITARY COMPLEX THAT USED TO BE A VIBRANT ATMOSPHERE. THIS PIECE OF HERITAGE IS NOW IN DIS-USE AND IS IN NEED FOR A NEW PURPOSE TO REVITALIZE THE DISTRICT OF BEATO.



# MATCH

## DISCLOSING THE MILITARY CITY LISBON



THE EMPTY MILITARY COMPLEX IS TRANSFORMED IN THE LISBON STUDIO. THE DESIGN TASK IS TO DEVELOP AND FIND A NEW PURPOSE BY RESPECT & RE-USING THE EXISTING. THIS IS DONE WITH THE HELP OF CULTURAL VALUE AND TECHNOLOGY IN ORDER TO CREATE A WELL BALANCED DESIGN.

THE DESIGN SOLUTION IS NAMED **MATCH** WHICH IS THE NAME OF THE BUILDING THAT HAS BEEN FOCUSED ON.



THE DOCOMOMO INTERNATIONAL WORKSHOP WAS THE KICK-OFF FOR THE PROJECT. IN A WEEK TIME THE GROUPS RESEARCHED THE AREA AND CAME UP WITH DESIGNS FOR THE COMPLEX. THIS WAS THE BASIS FOR THE PROJECT IN DELFT.





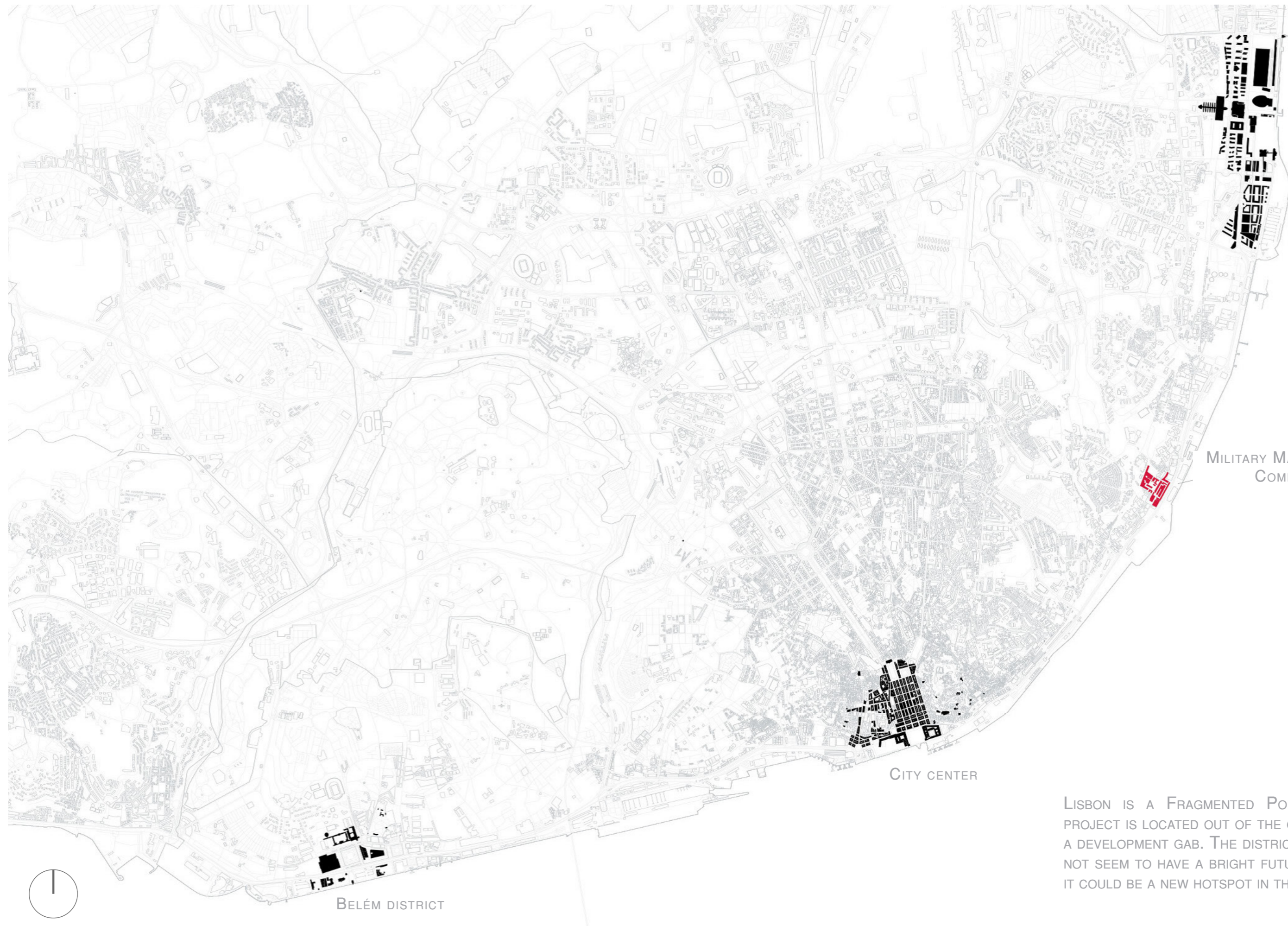
THE CITY CAN BE SUMMARIZED AS A CULTURAL CITY. A VERY COLORFUL & DIVERSE CITY WITH LOTS OF ACTIVITIES DAY AND NIGHT. ALTHOUGH IT IS NOT SEEN AS A CITY OF EQUAL TO THE OTHER CAPITOLS OF EUROPE, IT DEFINITELY DESERVES A PLACE AMONG THEM.

THE CHARACTER OF THE CITY IS DETERMINED BY ITS INHABITANTS. THEY ARE HAPPY, GENEROUS PEOPLE. THIS RESULTS IN A VIBRANT PLACE WITH GOOD INTERACTION IN THE PUBLIC REALM.



MILITARY CITY





EXPO '98  
AREA

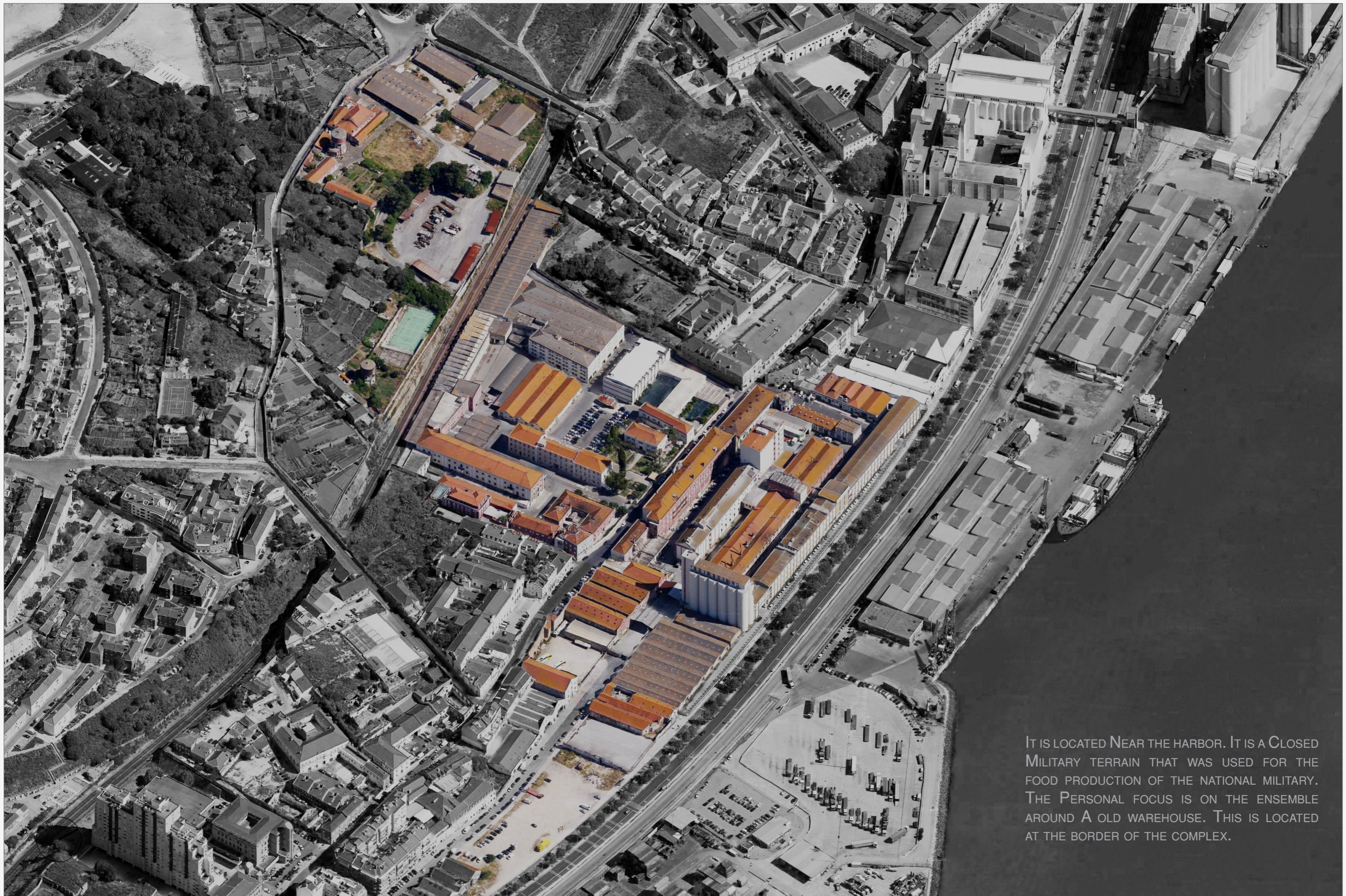
MILITARY MAINTENANCE  
COMPLEX

CITY CENTER

BELÉM DISTRICT

LISBON IS A FRAGMENTED PORT CITY. THE PROJECT IS LOCATED OUT OF THE CITY CENTER IN A DEVELOPMENT GAB. THE DISTRICT BEATO DOES NOT SEEM TO HAVE A BRIGHT FUTURE, ALTHOUGH IT COULD BE A NEW HOTSPOT IN THE CITY!

LISBON CITY, PORTUGAL



IT IS LOCATED NEAR THE HARBOR. IT IS A CLOSED MILITARY TERRAIN THAT WAS USED FOR THE FOOD PRODUCTION OF THE NATIONAL MILITARY. THE PERSONAL FOCUS IS ON THE ENSEMBLE AROUND A OLD WAREHOUSE. THIS IS LOCATED AT THE BORDER OF THE COMPLEX.

MMC: MANUTENÇÃO MILITAR COMPLEX, BEATO



## SITE

THE MASSIVE INDUSTRIAL BUILDINGS SHAPE THE ATMOSPHERE ON THE SITE. THIS ENCLOSED SITE HAS NO CONTACT WITH THE DISTRICT.

PUBLIC AND PRIVATE SPACE WITH EDGE MMC (GROUPS ANALYSIS)



MILITARY BUILDINGS, MMC



BORDER, MMC



POTENTIAL GREEN AND PRIVATE AREAS (GROUPS ANALYSIS)

DISTRICT

THE AREA HAS LOTS OF POTENTIAL DUE TO URBAN GREEN, THE LOCAL VILLAGE ATMOSPHERE AND THE POSSIBLE CONNECTION THAT COULD BE MADE WITH THE DISTRICT.



URBAN GREEN, BEATO



DISTRICT BEATO



## BUILDING

A MYSTERIOUS OLD  
WAREHOUSE LOCATED AT THE  
EDGE OF THE BORDER IS  
THE FOCUS OF THE PROJECT.  
THIS IS ONE OF THE OLDEST  
BUILDINGS ON THE SITE.

LOCATION CHOSEN BUILDING IN RELATION TO SITE (GROUPS ANALYSIS)

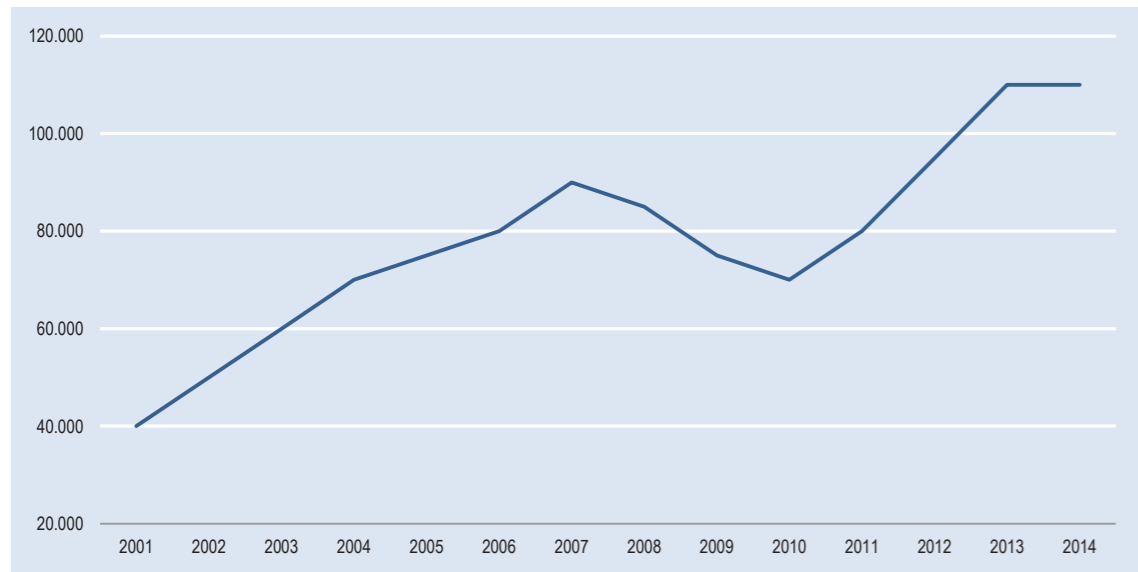


OLD WAREHOUSE



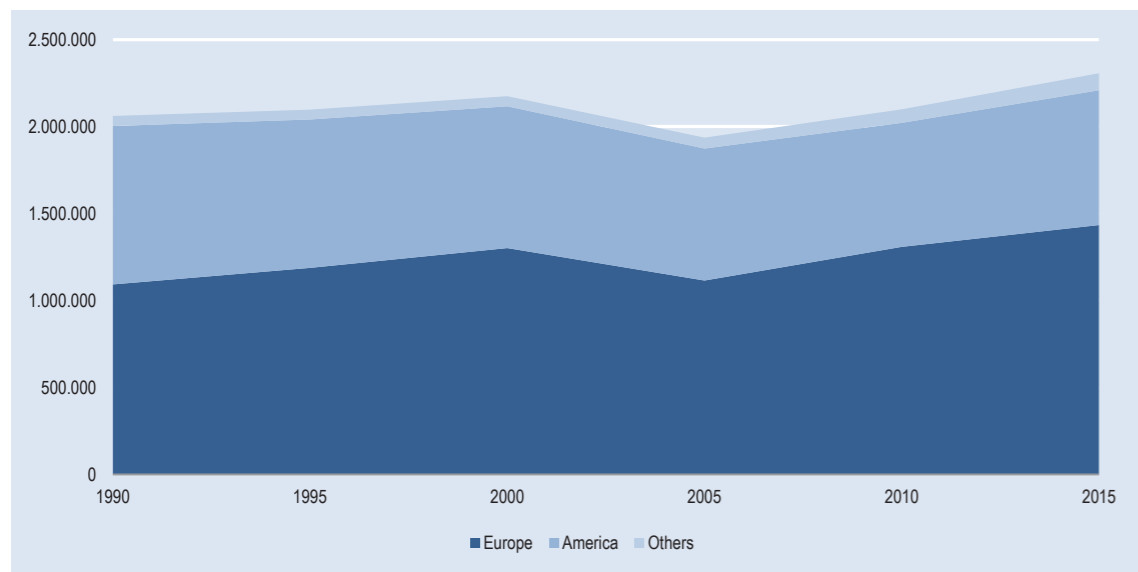
THE BASEMENT

Chart 1.2 OEm estimates of the outflows of Portuguese emigrants, 2001-2014



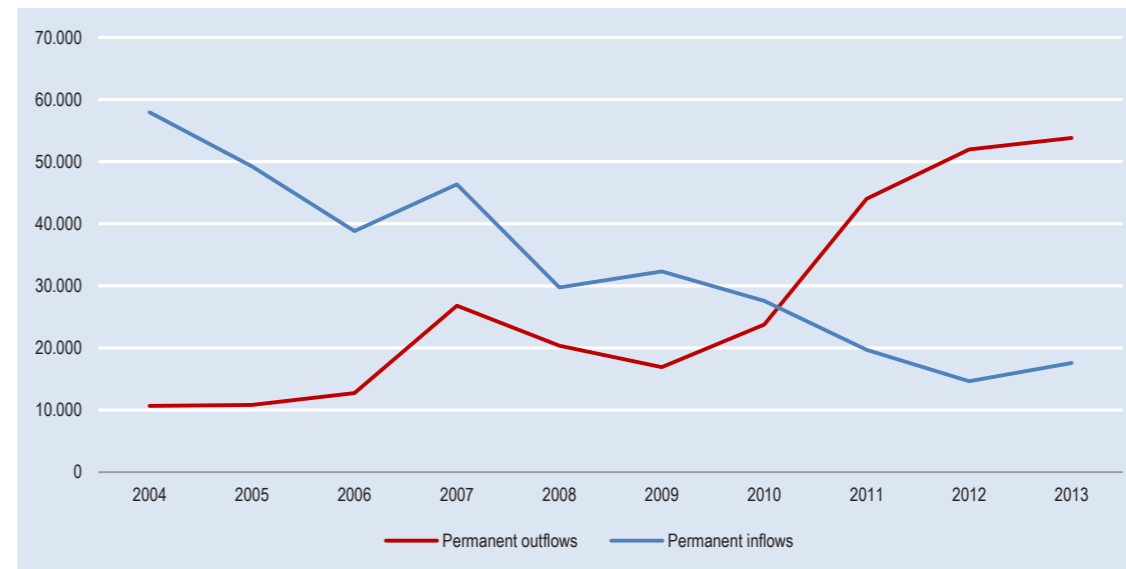
Source Chart by OEm, data from OEm, estimates based on destination countries permanent inflows data.

Chart 1.4 UN estimates of the stock of Portuguese-born emigrants, 1990-2015



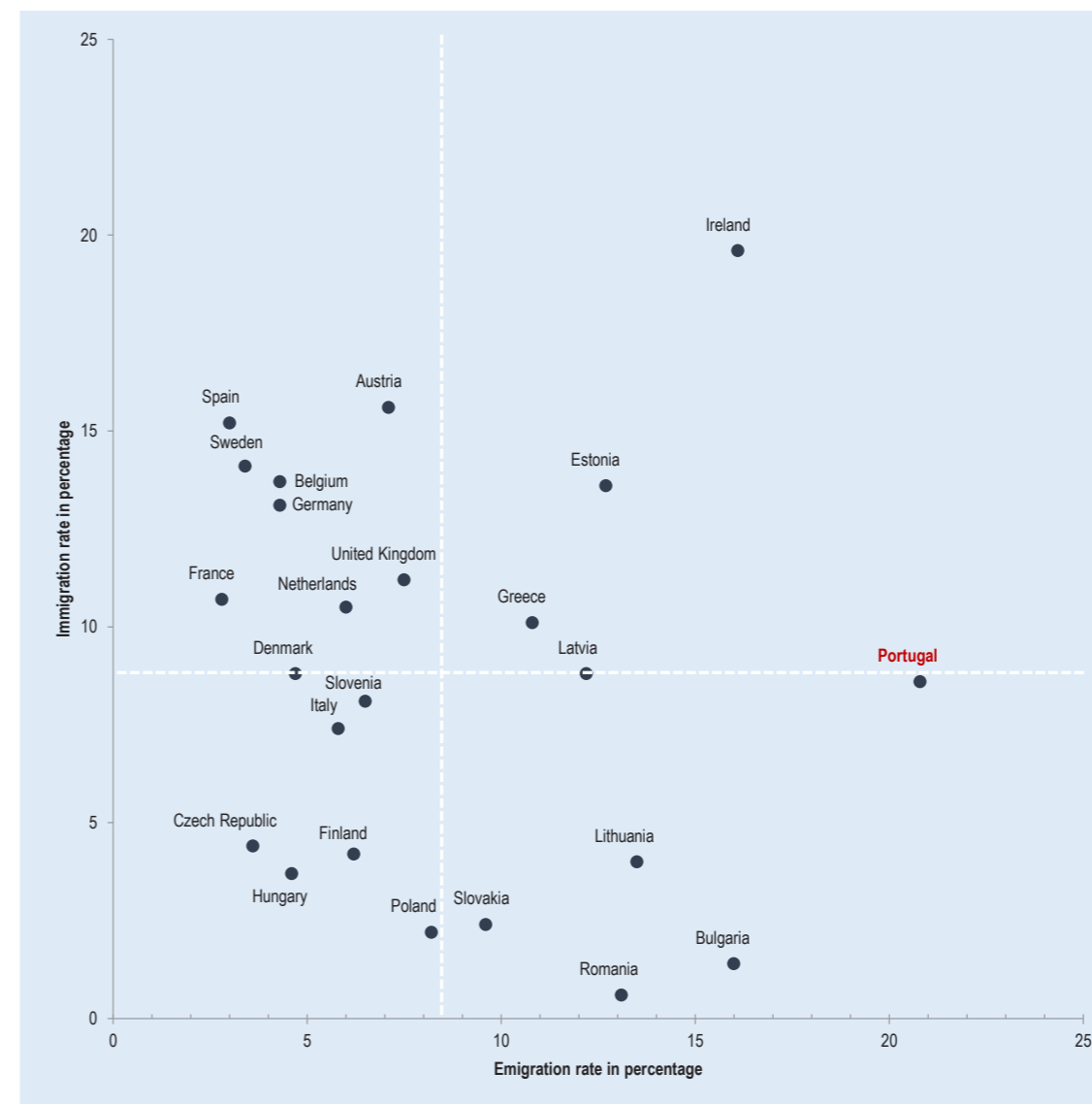
Source Chart by OEm, data from United Nations, Department of Economic and Social Affairs, Population Division (2015), Trends in International Migrant Stock: Migrants by Destination and Origin (United Nations database, POP/DB/MIG/Stock/Rev.2015).

Chart 1.3 Eurostat estimates of Portuguese net migration, 2004-2013



Source Chart by OEm, data from Eurostat, database on population and social conditions.

Chart 1.9 Emigration and immigration rates in EU countries, 2010



Note Only countries with more than one million inhabitants.

Source Chart by OEm, data from the World Bank, Migration and Remittances Factbook 2011, second edition.

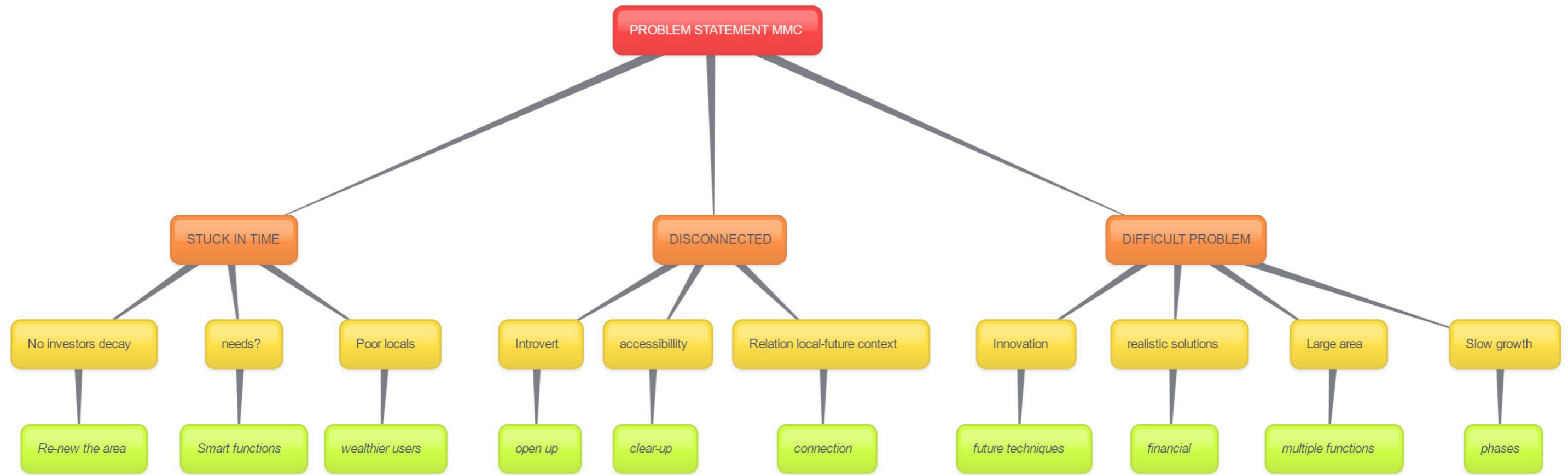
CITY PROBLEM

PEOPLE LIVE OUTSIDE LISBON AND COME AND WORK INSIDE THE CITY.

THE NUMBERS SHOW HOW BIG THIS PROBLEM IS.

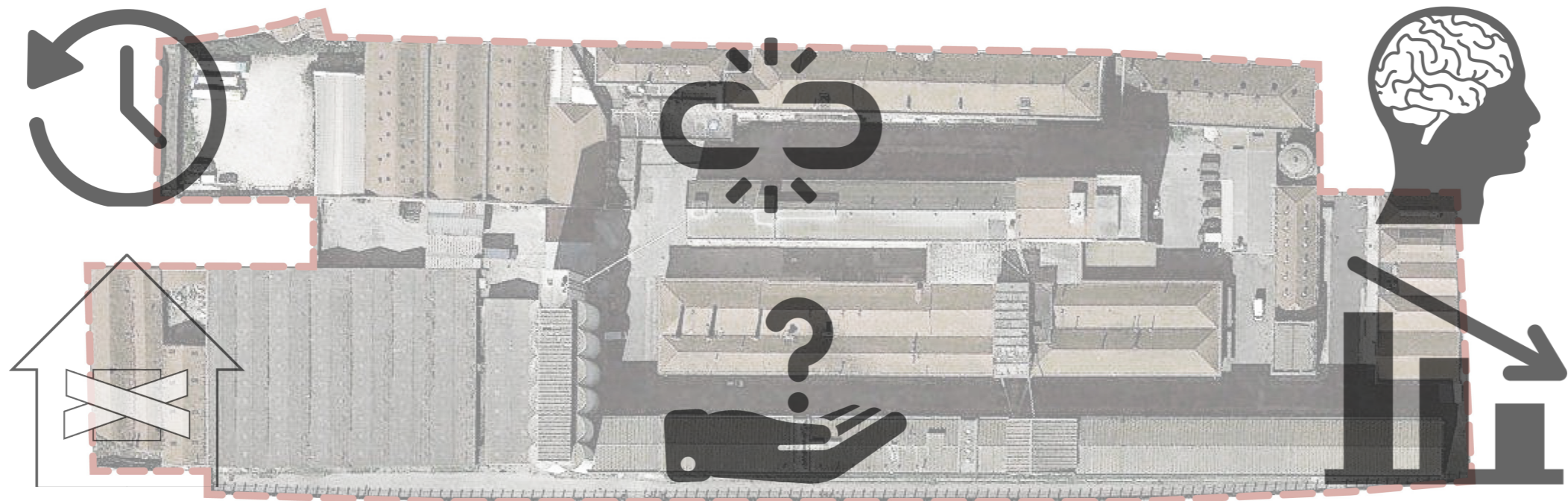
THIS WAS THE INPUT TOWARDS A PROBLEM STATEMENT AND RESEARCH DIRECTION.

SOURCE: INDEX PORTUGAL EMMIGRATION RATE

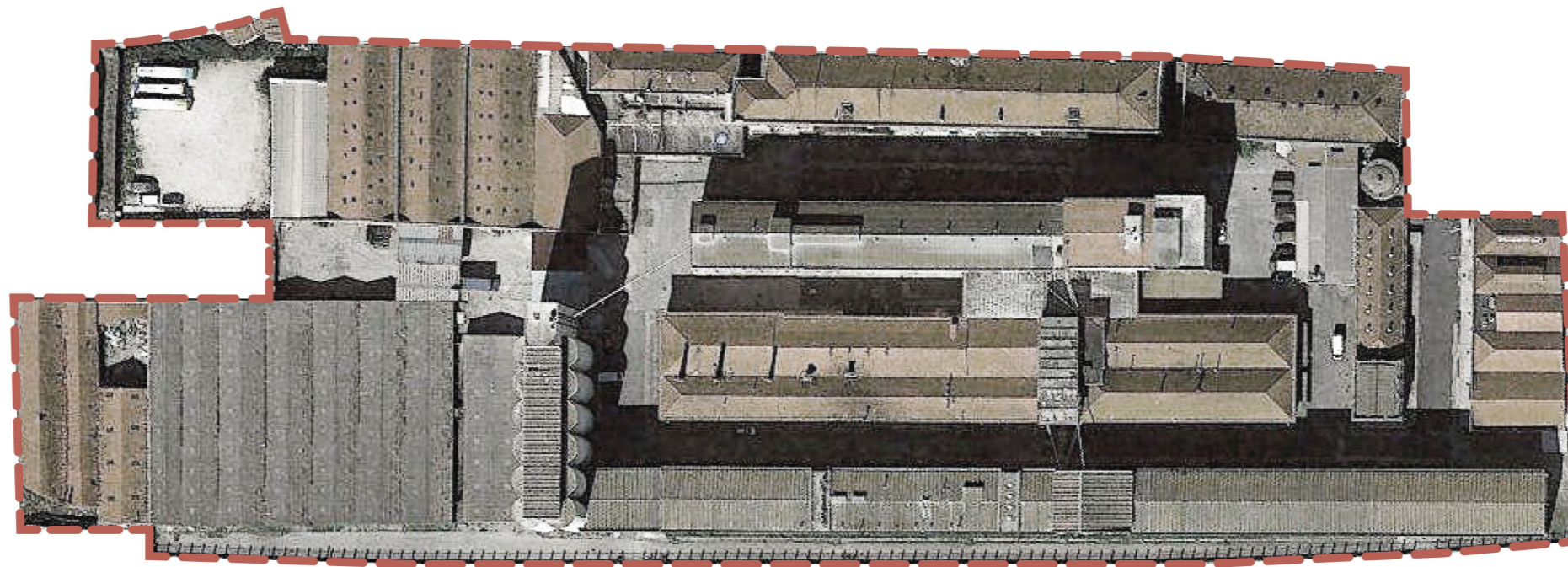


THE PROBLEM OF THE DISTRICT CAN BE SUMMARIZED AS A DEVELOPMENT GAB THAT IS STUCK IN TIME. THE COMPLEX IS A DISCONNECTED ENCLAVE.

TOGETHER WITH A CITY PROBLEM A PROBLEM STATEMENT IS USED FOR A RESEARCH QUESTION. THE MIGRATION OF SKILLED GRADUATES IS A PROBLEM THAT NEEDS TO BE TACKLED IN ORDER TO IMPROVE THE FUTURE OF LISBON. A NEW PURPOSE IS NEEDED FOR THE SITE AND THE DISTRICT.



HOW CAN AN **ENCLOSED INDUSTRIAL AREA**  
WORK TOGETHER WITH THE **URBAN SURROUNDINGS**  
AS A TOOL TO BECOME A **RECONNECTED**  
INCUBATOR FOR **FUTURE DEVELOPMENTS**



THE GOALS ARE TO RECONNECT AND CONNECT TO THE SURROUNDINGS



# A MODERN MANUFACTURING COMPLEX

## FOR ART, TECHNOLOGY, CULTURE & HERITAGE

### RESEARCH & ANALYSIS

DEVELOPMENT COMPLEX  
CULTURAL VALUE  
TRANSFORMATION FRAMEWORK

### A MODERN MANUFACTURING COMPLEX

STRATEGY  
FUNCTION & USE  
DESIGN CONCEPT

### MATCH

DEVELOPMENT BUILDING  
TECHNICAL VALUES  
SPATIAL VALUES  
DESIGN CONCEPT  
FUNCTION & USE  
DESIGN EXPRESSION

### THE MEETING SPOT

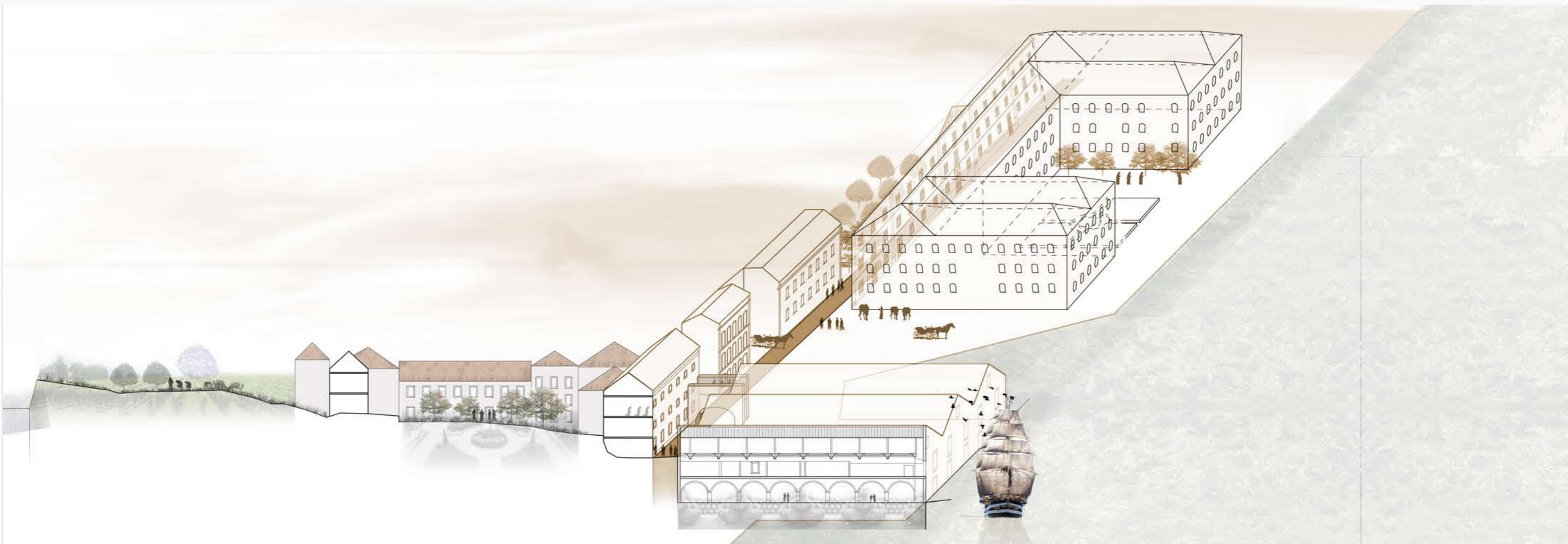
SOCIAL VALUES  
STRATEGY  
SOCIAL COHESION  
FUNCTION & USE  
DESIGN CONCEPT

### TECHNIQUE

TRANSFORMATION VALUES  
TRANSFORMATION CONCEPT  
REFERENCE  
TRANSFORMATION DESIGN  
CLIMATE DESIGN

### CONCLUSION

REFLECTION  
SOURCES

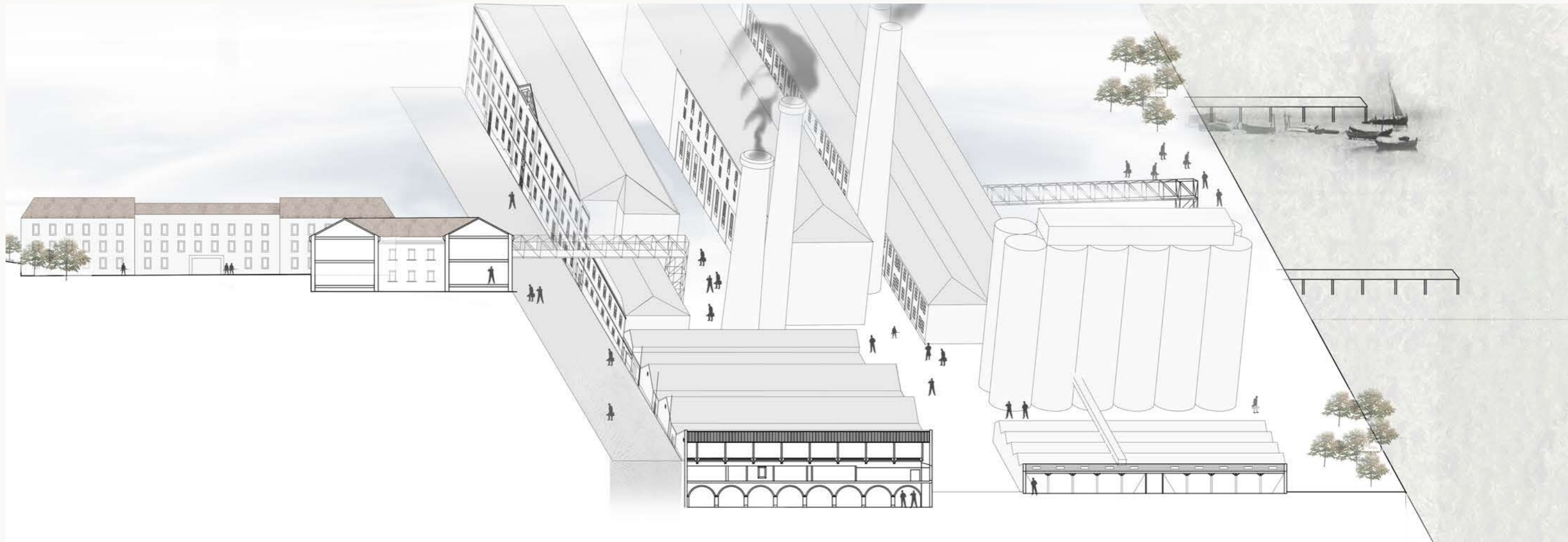


DISCOVERY & PARISH ERA 1600 - 1800 (GROUPS ANALYSIS STREET)



THE COMPLEX WAS USED BY MONKS. THE URBAN AREA WAS LOCATED NEAR THE WATER. THE BUILDING WAS ALREADY VISIBLE IN THAT PERIOD.





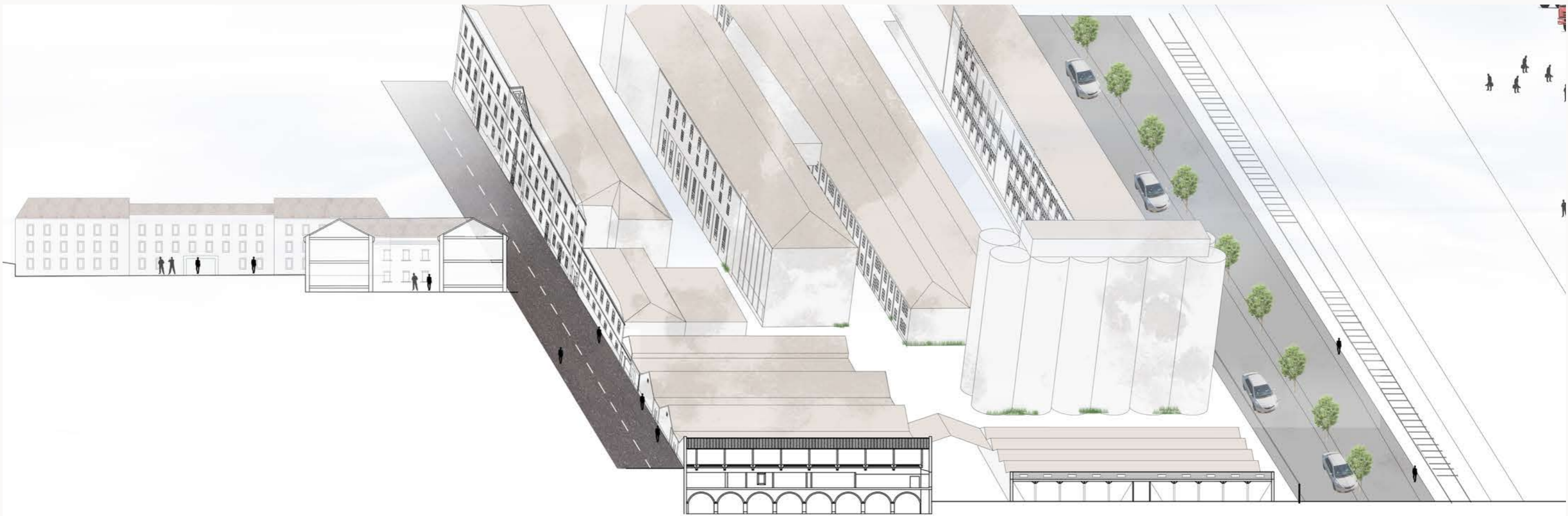
INDUSTRIAL & MILITARY 1800 - 1960 (GROUPS ANALYSIS STREET)



THE THEN ENCLOSED VIBRANT AREA WAS CATEGORIZED BY A WORKING ATMOSPHERE. LOCAL WORKERS USED THE SITE AND LIVED IN BEATO AS WELL. ALTHOUGH THE WORKERS DID NOT LIVE A PROSPEROUS LIFE, THEY DID SEEM TO ENJOY IT.

THE CONNECTION WITH THE WATER IS FADING AWAY AS THE EXPANSION TOWARDS THE SEA IS PRESENT.

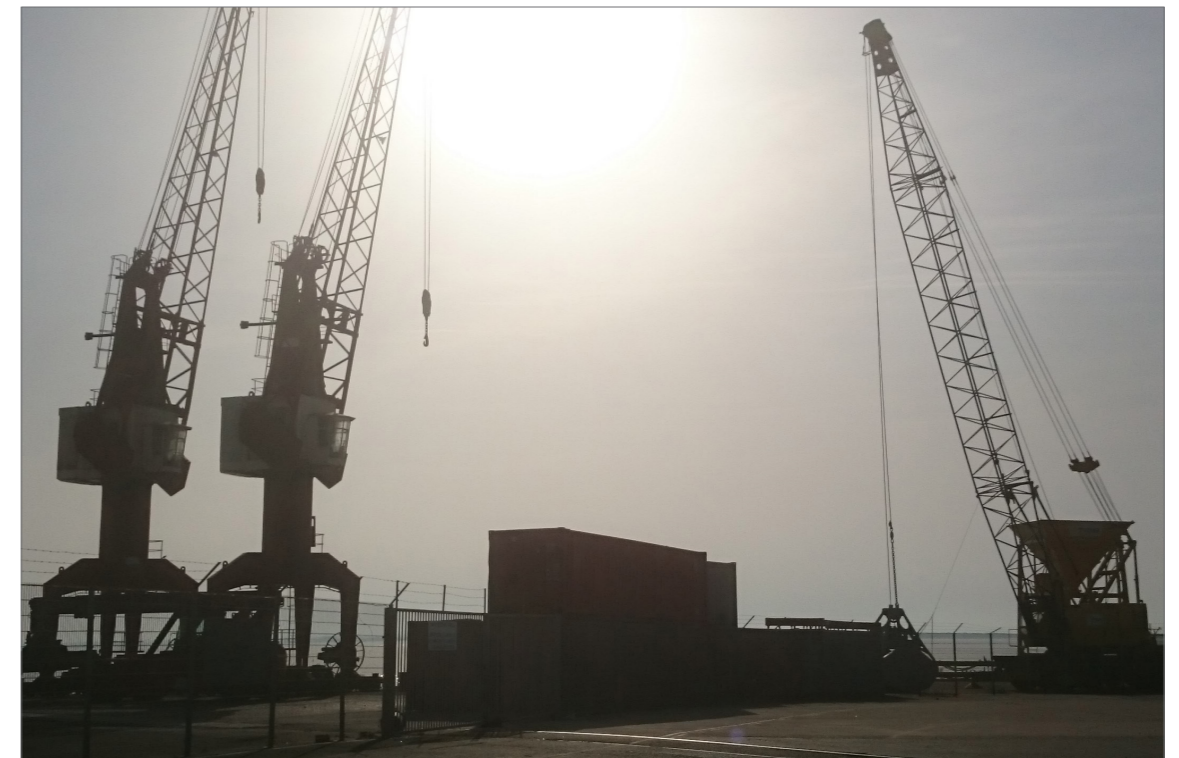




DISUSE & DECAY 1960 - 2015 (GROUPS ANALYSIS STREET)



THE PRESENT SITUATION IS DETERMINED AS A DECAYED SITE THAT SERVES AS AN ENCLAVE IN THE DISTRICT. THE HARBOUR IS FORCED UPON THE AREA AS A UNWANTED QUEST. THIS

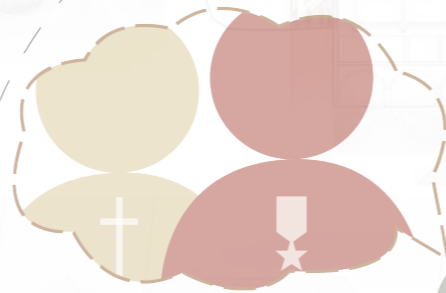


### 3D MAPPED VALUES: HISTORICAL (INTANGIBLE)

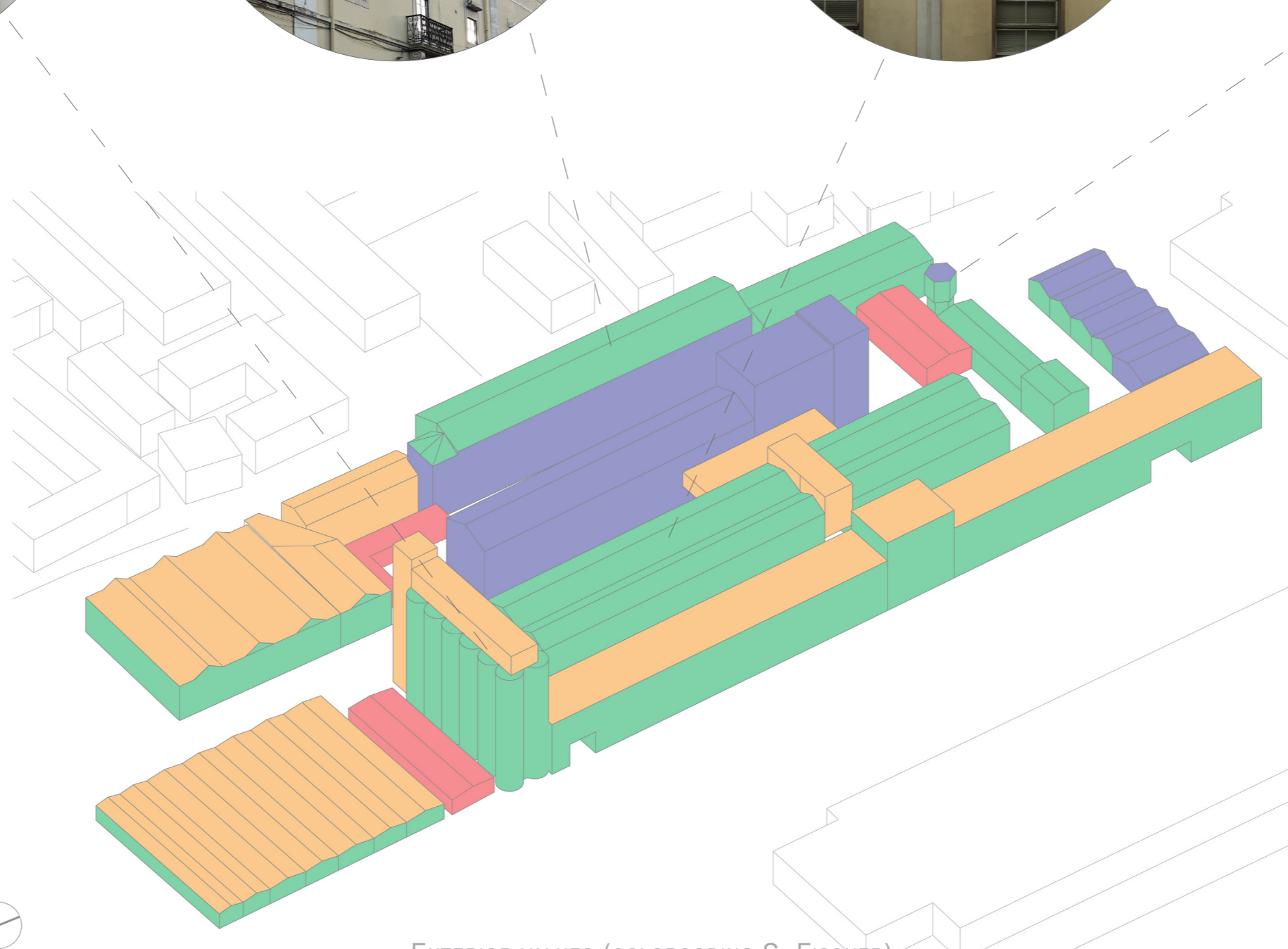
THESE ARE THE VALUES BASED ON HISTORY. THE GREEN BUILDINGS CANNOT BE DAMAGED TO MUCH. THE RED HAVE A LOT OF FREEDOM FOR CHANGE. EVERYTHING IN THE MIDDLE NEEDS ARGUMENTATION FOR CHANGE. THIS IS MAINLY OUT OF HISTORICAL POINT OF VIEW.

THIS RESULTED IN A FIRST THEME FOR THE PROJECT BASED ON RESTORATION.

RESTORATION OF THE ATMOSPHERES OF THE PAST FOCUSES ON CONSERVING AND BRINGING THESE BACK. IN THIS WAY THE SITE MAINTAINS ITS HISTORIC CONNECTION.



**RESTORATION OF THE FORMER ATMOSPHERES**

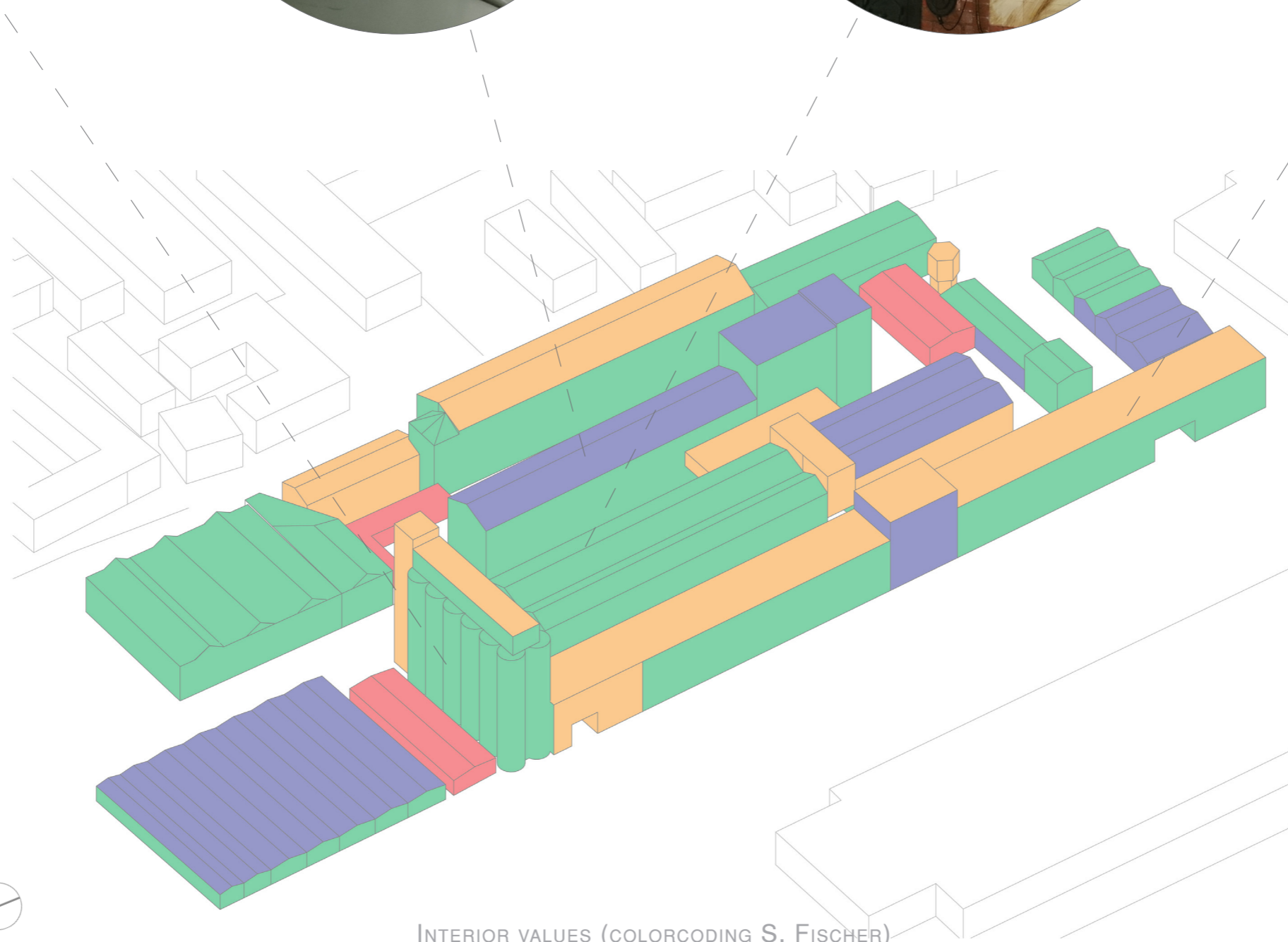


### EXTERIOR VALUES

THESE ARE THE VALUES BASED ON EXTERIOR QUALITIES. THE GREEN BUILDINGS CANNOT BE DAMAGED TO MUCH. THE RED HAVE A LOT OF FREEDOM FOR CHANGE. EVERYTHING IN THE MIDDLE NEEDS ARGUMENTATION FOR CHANGE. THIS IS MAINLY OUT OF EXTERIOR POINT OF VIEW.

- HIGH VALUE
- LOW VALUE
- DISRUPTIVE VALUE
- NEUTRAL VALUE

EXTERIOR VALUES (COLORCODING S. FISCHER)



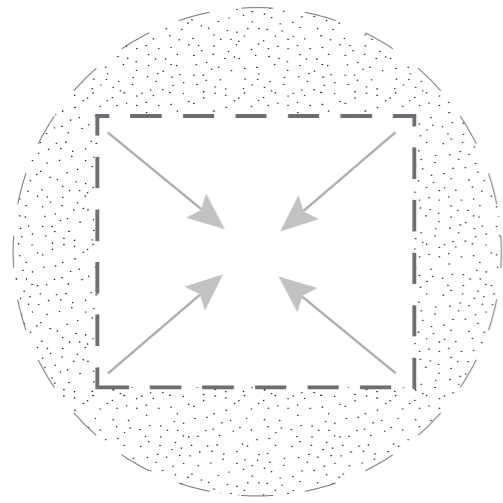
VALUES INTERIOR

THESE ARE THE VALUES BASED ON INTERIOR QUALITIES. THE GREEN BUILDINGS CANNOT BE DAMAGED TO MUCH. THE RED HAVE A LOT OF FREEDOM FOR CHANGE. EVERYTHING IN THE MIDDLE NEEDS ARGUMENTATION FOR CHANGE. THIS IS MAINLY OUT OF INTERIOR POINT OF VIEW.

- HIGH VALUE
- LOW VALUE
- DISRUPTIVE VALUE
- NEUTRAL VALUE

INTERIOR VALUES (COLORCODING S. FISCHER)

**OPENING ENCLAVE WITHOUT LOOSING ENCLOSUREMENT**



DILEMMA INTROVERT VS OPEN UP

**PRESERVATION STRENGTH OF MILITARY CHARACTER**



DILEMMA STRENGTH CHARACTER

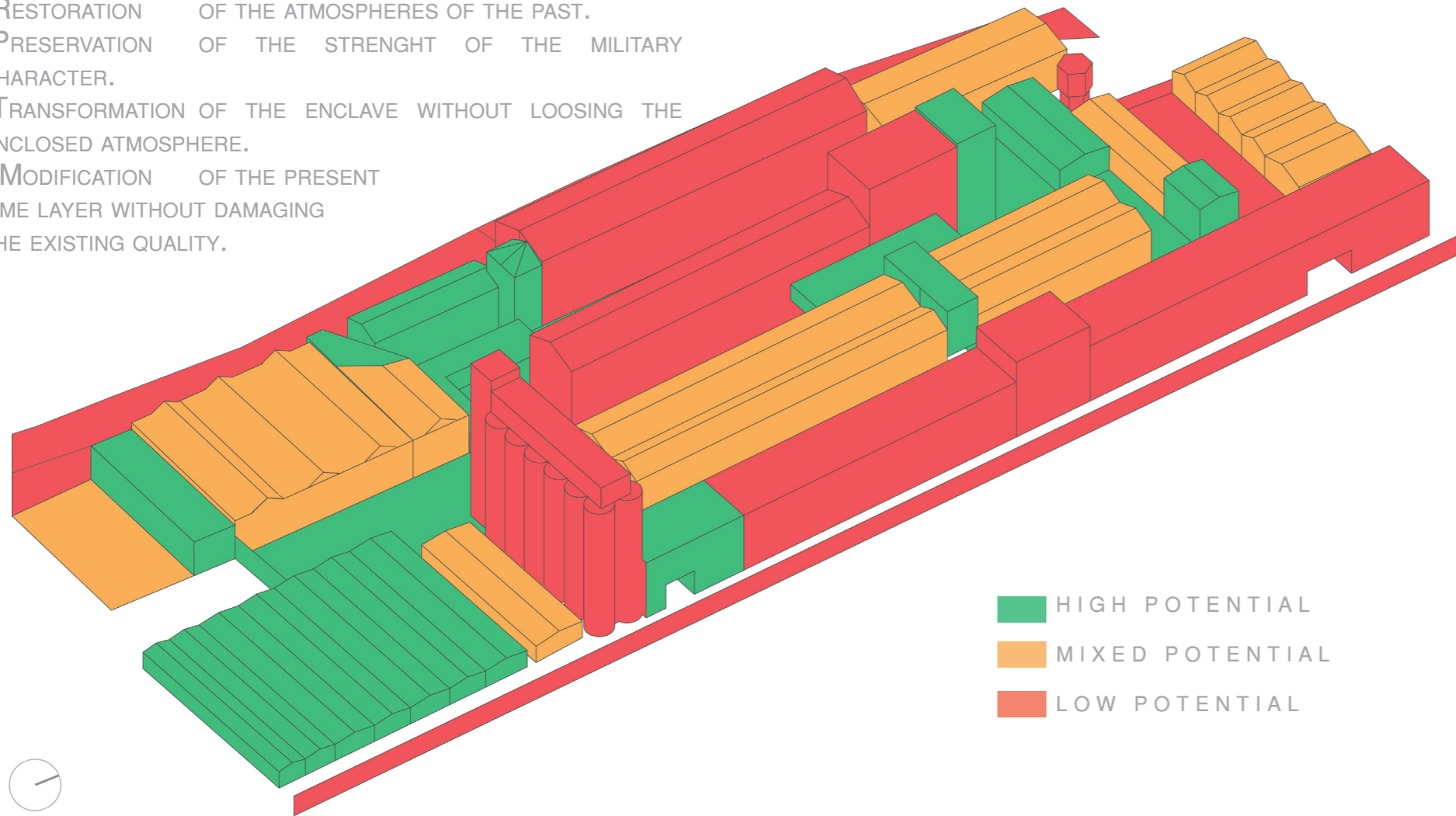
**MODIFICATION PRESENT TIME LAYER WITHOUT DAMAGING EXISTING**



DILEMMA TRANSFORM TIME LAYERS

**THEMES:**

- RESTORATION OF THE ATMOSPHERES OF THE PAST.
- PRESERVATION OF THE STRENGTH OF THE MILITARY CHARACTER.
- TRANSFORMATION OF THE ENCLAVE WITHOUT LOOSING THE ENCLOSED ATMOSPHERE.
- MODIFICATION OF THE PRESENT TIME LAYER WITHOUT DAMAGING THE EXISTING QUALITY.



POTENTIAL FRAMEWORK (COLORCODING W. DE JONG)

**ATTRIBUTED VALUES MASTERPLAN**

THE VALUES FOUND IN THE MASTERPLAN SCALE EACH HAVE THEIR OWN IMPORTANCE. THESE ARE EXPLAINED AS TEXT IN THE CULTURAL VALUE MATRIX ITSELF. TOGETHER THEY FORM FOUR THEMES THAT WILL BE USED DURING THE DESIGN PROCESS. THE FOUR THEMES ARE MAINTAINING THE ATMOSPHERE OF PAST ERAS, STRENGTHEN THE INDUSTRIAL CHARACTER, KEEP AN ENCLOSED CHARACTER AND REMOVE THE DECAY PERIOD WITH A NEW LAYER OF TIME.

THE ATMOSPHERE FROM THE PARISH AND INDUSTRIAL ERA WILL BE MAINTAINED OR MADE MORE VISIBLE. ESPECIALLY IN THE ENSEMBLE AROUND THE CHOICE OF BUILDING HAS ITS ROOTS IN THIS ERA. BY HOLDING ON TO THESE VALUES THIS ATMOSPHERE CAN BE USED IN THE DESIGN. FOR INSTANCE THE CONNECTION BETWEEN THE CONVENT AND THE WAREHOUSE (FORMER SUPERMARKET) WITH BEATO WAS IMPORTANT. THE SOCIAL ENGAGEMENT HAS BEEN VERY ALIVE DURING THE MMC PERIOD BETWEEN WORKERS, BUT ALSO DURING THE PARISH ERA WITH THE NUNS.

THE STRENGTH OF THE MILITARY PERIOD IS IN MY OPINION VERY IMPORTANT. THIS WAS THE SUCCESS OF THE SITE AND ITS MOST PROSPEROUS PERIOD. ALSO MOST TRACES LEFT REFER TO THIS TIME ERA. THE CONSTRUCTION, MACHINES, THE PRODUCTION PROCESS, THE TRAIN AND OTHER TRANSPORTATION METHODS, THE INDUSTRIAL LANDMARKS AND THE STRONG VOLUMES ALL SHAPE ITS CHARACTER. I THINK THAT THIS CAN BE COMBINED WITH THE TRACES FROM BEFORE THE MILITARY PERIOD, BECAUSE THEY USED IT AS A BASIS FOR DEVELOPING THIS MILITARY AREA.

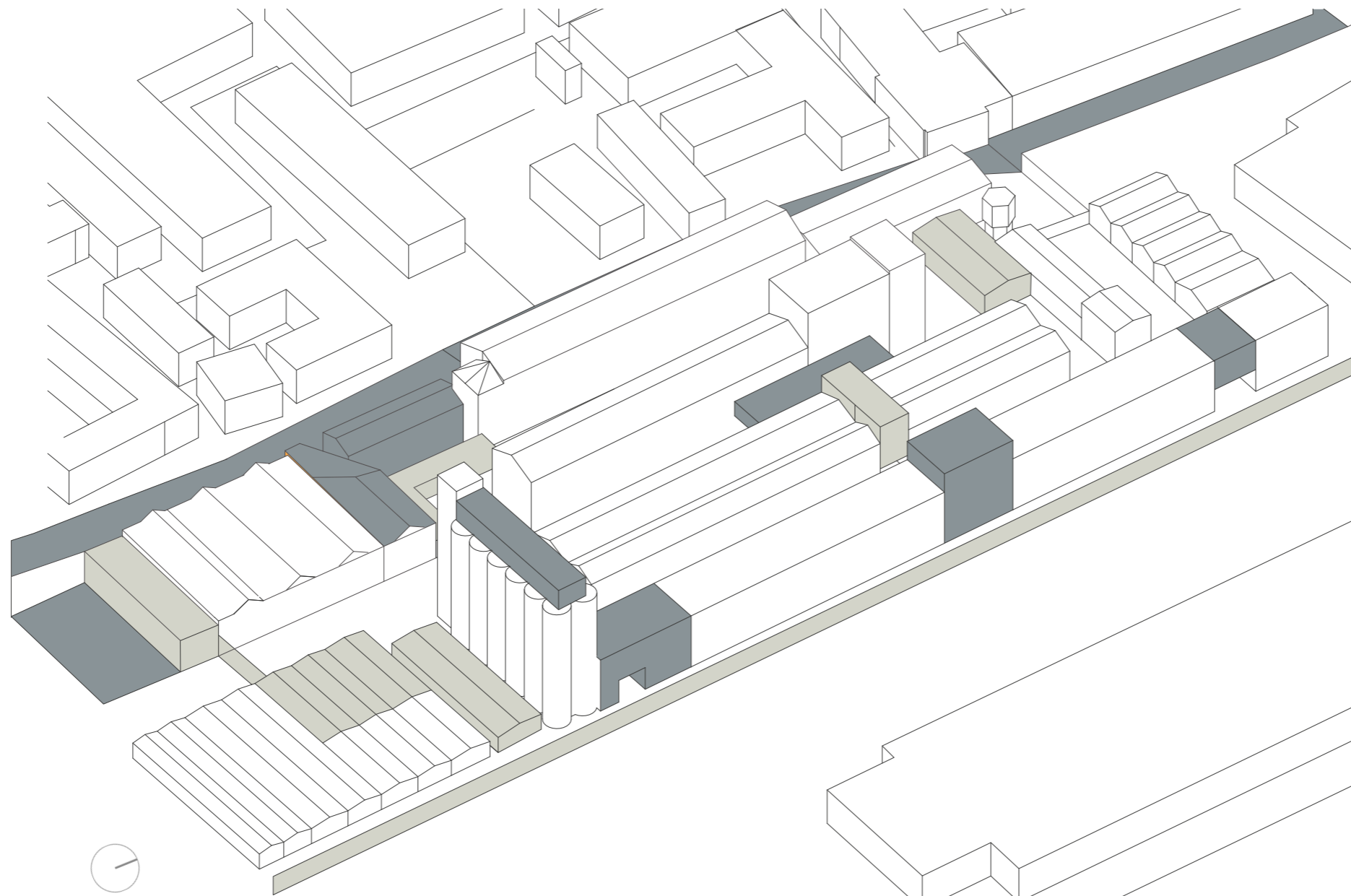
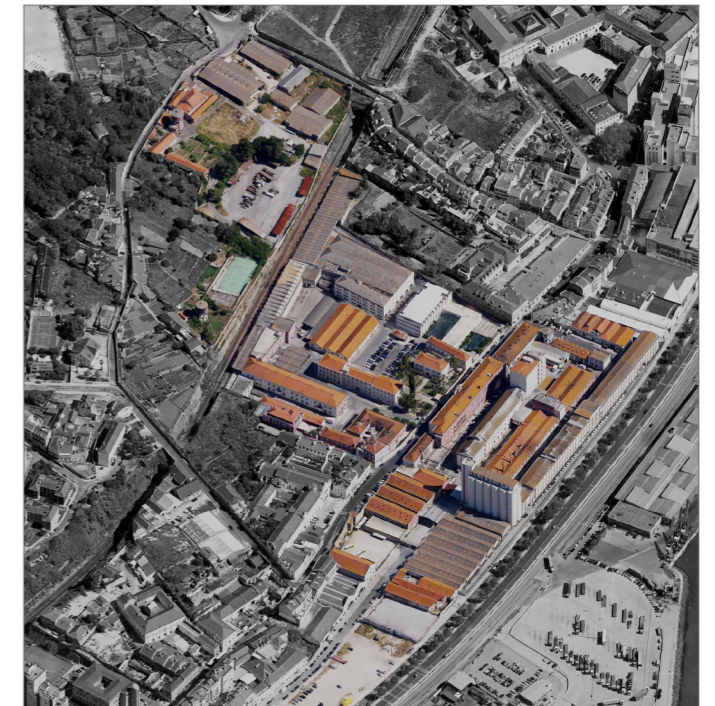
THE ENCLOSED CHARACTER IS ONE IMPORTANT CHARACTER FROM THE MILITARY ERA THAT MAKES THE PLACE UNIQUE. YOU CAN FEEL HOW YOU ENTER THIS DIFFERENT AREA THAT IS ALMOST A CITY ON ITS OWN. THIS ENCLAVE IS DUE TO THE EDGE, THE OPEN SPACES INSIDE THIS AREA, THE BIG BUILDINGS CLOSE TO EACH OTHER, ITS FORMER FUNCTION AND SIGHTLINES BETWEEN BUILDINGS AND STREETS. THIS IS NOW ALSO SEEN AS NEGATIVE, BUT CAN BECOME AN ASSET FOR THE FUTURE USE.

THE DECAY PERIOD CAN BE SEEN AS SOMETHING UNIQUE LIKE THE WALL NEAR THE CONVENT THE GRILOS. MOST OF THE DECAY IS NEGATIVE AND DO NOT CONTRIBUTE TO THE QUALITY OF THE URBAN FABRIC. THERE IS A LACK OF GREEN AND SOME OF THE BUILDINGS ARE IN VERY BAD STATE THAT DOES DAMAGE TO THE INDUSTRIAL CHARACTER.

**THEMES**

THIS POTENTIAL FRAMEWORK RESULTED IN THE OTHER THEMES. THESE ARE DILEMMA'S THAT HAVE BEEN DETERMINING DESIGN DECISIONS ON THE MASTERPLAN LEVEL, ENSEMBLE AND BUILDING LEVEL. THE DILEMMA'S ARE: HOW OLD STRENGTH ENHANCED? HOW OPEN UP BUT NOT LOOSE ENCLAVE? CHANGE CURRENT LAYER WITHOUT DAMAGING OLD

PRESERVATION STRENGTH OF MILITARY CHARACTER



CONSEQUENCES FOR THE DESIGN STRATEGY

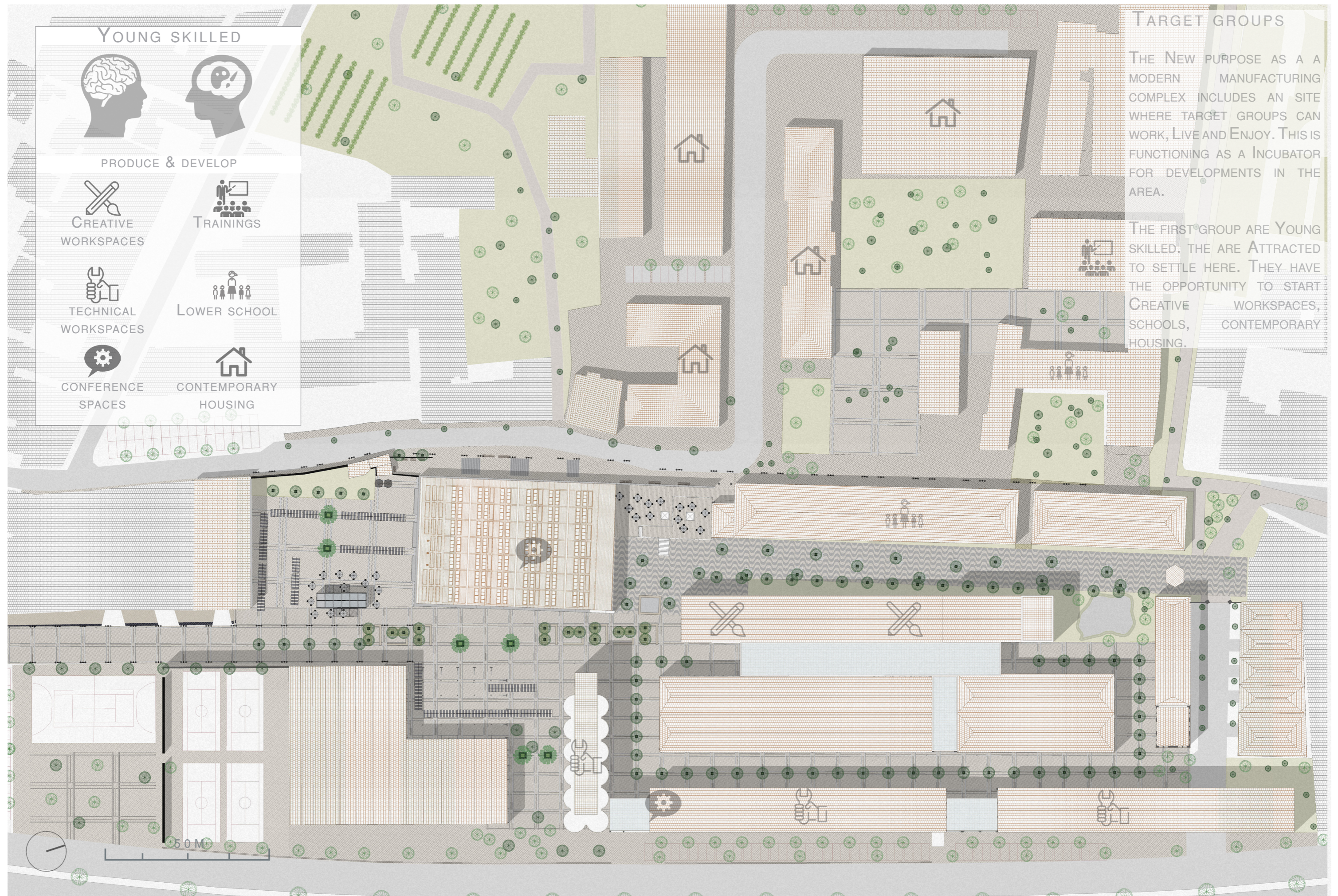
THIS THEMES WILL BE PURSUED AND HAVE A CONSEQUENCE FOR THE DESIGN STRATEGY. KEEPING THE HISTORICAL RELATION AND FORMER CHARACTER WILL BE ACTIVELY PART FOR THE TRANSFORMATION. THIS MEANS THAT THE VALUES FOUND ARE IMPORTANT AND EFFECT THE STRATEGY FOR RE-USE. THIS WILL HAVE A MORE CONSERVATIVE APPROACH, IN ORDER TO FIND THE STRENGTHS WITHIN THE EXISTING FABRIC INSTEAD OF CREATING A NEW MODERN AREA WITH ALMOST NO RELATION TO ITS PAST.

STRATEGY

THE ATTITUDE TOWARDS EXISTING COMES FROM VALUE PER BUILDING. THE FIRST STEP IS TO SUBSTRACT CERTAIN ELEMENTS. THIS IS DONE IN ORDER TO INCREASE QUALITY OF THE MORE VALUED BUILDINGS. IN OTHER WORDS; SUBSTRACT TO ENHANCE

- SUBSTRACTION
- TRANSFORMED

MASTERPLAN SUBSTRACTION MAP

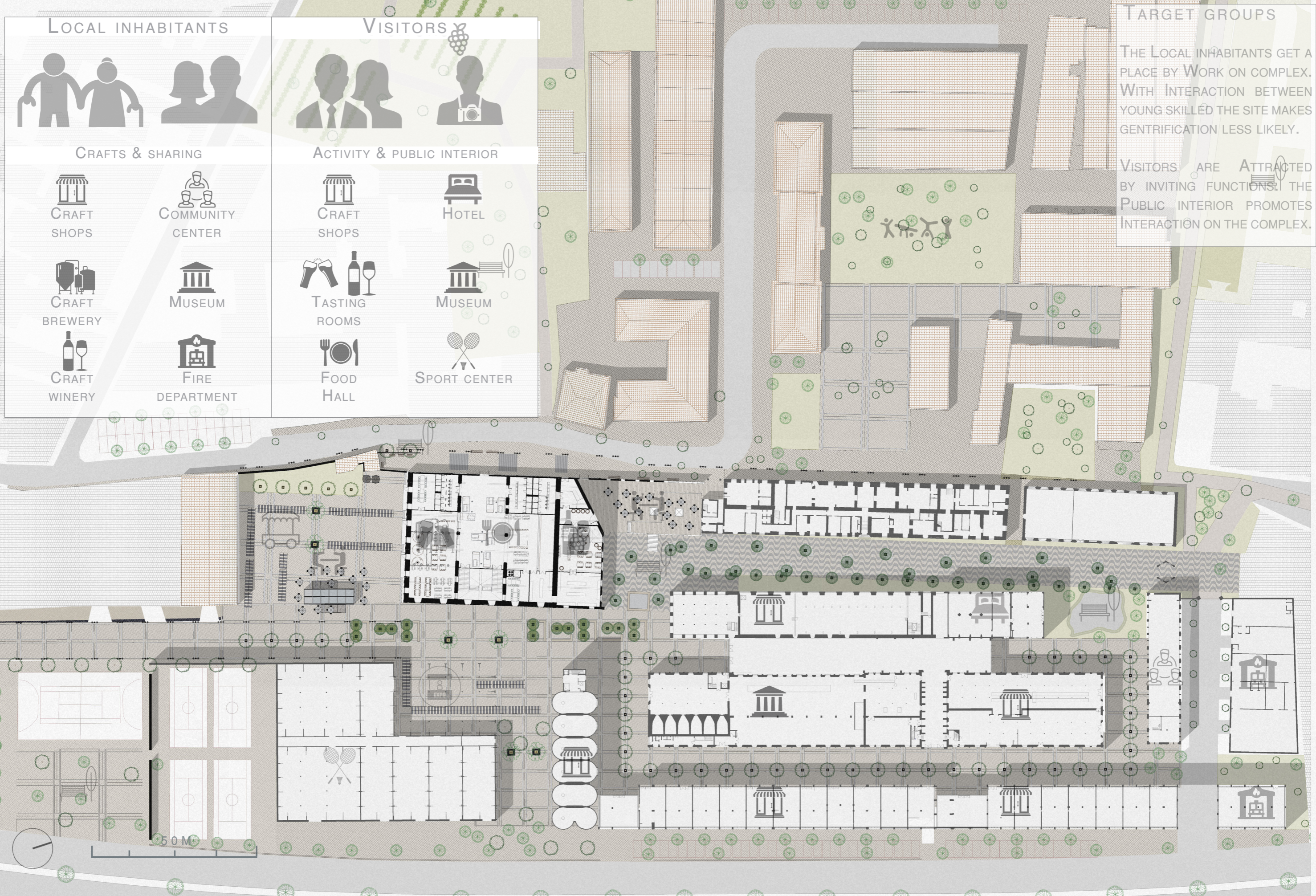


**TARGET GROUPS**

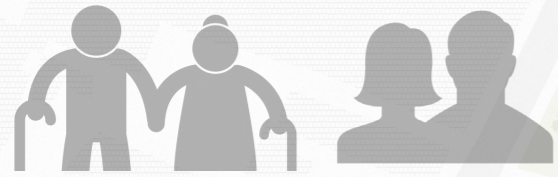
THE NEW PURPOSE AS A MODERN MANUFACTURING COMPLEX INCLUDES AN SITE WHERE TARGET GROUPS CAN WORK, LIVE AND ENJOY. THIS IS FUNCTIONING AS A INCUBATOR FOR DEVELOPMENTS IN THE AREA.

THE FIRST GROUP ARE YOUNG SKILLED. THEY ARE ATTRACTED TO SETTLE HERE. THEY HAVE THE OPPORTUNITY TO START CREATIVE WORKSPACES, SCHOOLS, CONTEMPORARY HOUSING.

UPPER FLOOR PLAN (SEMI-PRIVATE)



LOCAL INHABITANTS



VISITORS



**TARGET GROUPS**

THE LOCAL INHABITANTS GET A PLACE BY WORK ON COMPLEX. WITH INTERACTION BETWEEN YOUNG SKILLED THE SITE MAKES GENTRIFICATION LESS LIKELY.

VISITORS ARE ATTRACTED BY INVITING FUNCTIONS. THE PUBLIC INTERIOR PROMOTES INTERACTION ON THE COMPLEX.

CRAFTS & SHARING

- CRAFT SHOPS
- COMMUNITY CENTER
- CRAFT BREWERY
- CRAFT WINERY
- MUSEUM
- FIRE DEPARTMENT

ACTIVITY & PUBLIC INTERIOR

- CRAFT SHOPS
- HOTEL
- TASTING ROOMS
- MUSEUM
- FOOD HALL
- SPORT CENTER

LOWER FLOOR PLAN (PUBLIC)

**ACCESSIBLE**



**PUBLIC SPACE**

FARMERS MARKET



PARC ROUTE



EXPOSITION SPACE



WINE FIELDS



PLAYGROUND



TERACCES




**ACCESSIBILITY**

THE PUBLIC GROUND FLOOR PROVIDES PLAZAS, PLAYING SQUARES.

THE CONNECTION WITH THE SURROUNDINGS IS MADE WITH A PARC ROUTE. THE WINE FIELDS ARE USED FOR THE WINERY ON THE SITE.



LOWER FLOOR PLAN (PUBLIC)



**DEVELOPMENT LAYERS**

TIME LAYERS DEFINED WITH OWN ATMOSPHERE. THESE SHOW THE CHARACTERISTICS DETERMINED BY THE ERAS. THE ATMOSPHERE THAT WAS ATTRACTIVE ARE THE OLDEST.

THE NEW TIME LAYERS ARE MAINLY SEEN AS DIS-USE & DECAY AND HARBOUR ZONE. THESE ARE FORCED UPON THE AREA AND HAVE A NEGATIVE AFFECT ON THE AREA.

DEVELOPMENT SITE

SITE DEVELOPED OVER TIME WHICH LEFT LAYERS. NOW COVERED UP BY THE CHANGES MADE ON BUILDINGS.

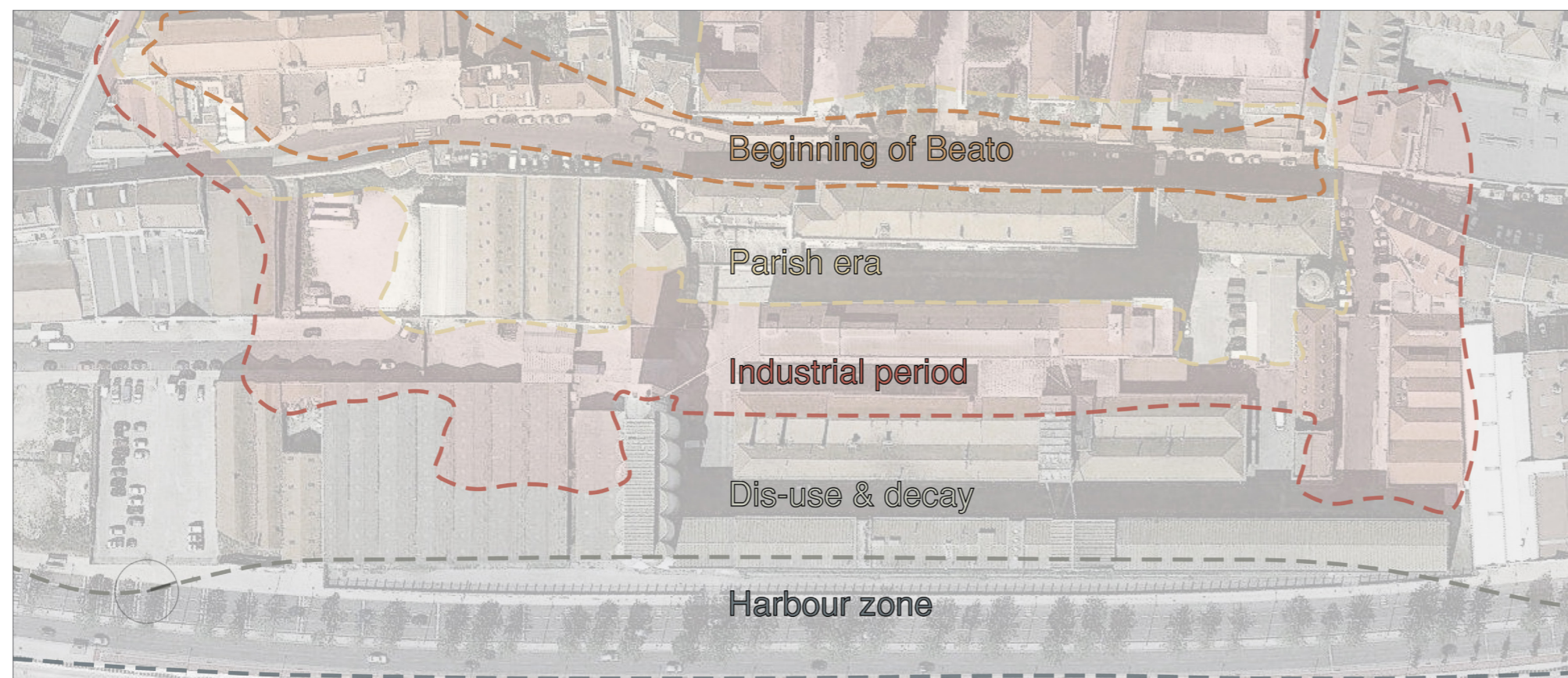
1. RUE DE GRILLO AND THE CONVENT DU GRILLO ARE THE MARK FOR THE BEGINNING OF BEATO.
2. THE CONVENT AND WAREHOUSE WITH THE OLD WALL SHOW THE PARISH ERA
3. THE INDUSTRIAL ERA IS CHARACTERIZED BY THE AREA WITH A PLEASANT ENCLOSED ATMOSPHERE WITH LOTS OF USERS
4. THE DIS-USE PERIOD SHOWS HOW BIG THE SPACE AND THE BUILDINGS ARE.
5. THE NEW LAYER IS THE BUSSINESS CARD TOWARDS THE STREET. THIS FORCED ON HARBOUR LAYER CAN ONLY BE EMBRACED AND THEN FUNCTION AS A INCUBATOR FOR DEVELOPMENTS. IN OTHER WORDS, PRODUCTION & PROGRESS.

CONCEPT MASTERPLAN

BRING BACK ATMOSPHERES. WHILE GETTING CLOSER TO THE WATER THE STREETS SHOW THE DIFFERENT TIME LAYERS. THE ATMOSPHERE MATCHES THE DEVELOPMENT PERIODS.

AS BEFORE IT WAS NOT CLEARLY VISIBLE HOW THIS TIME LAYERS WERE PRESENT IN THIS AREA. AFTER THE DEVELOPMENT THESE ARE NOTICABLE DUE TO THE SEPERATION OF TIME LAYERS ON THE SITE.

1. LOCAL USE, NO FAST TRAFFIC
2. LOTS OF GREEN AND URBAN ATMOSPHERE
3. ENCLOSED SPACE WITH PUBLIC BUILDINGS ON EACH SIDE
4. LONG SIGHT LINES, STRAIGHT LINES
5. MAINTAINED BORDER THAT LOOKS INVITING.

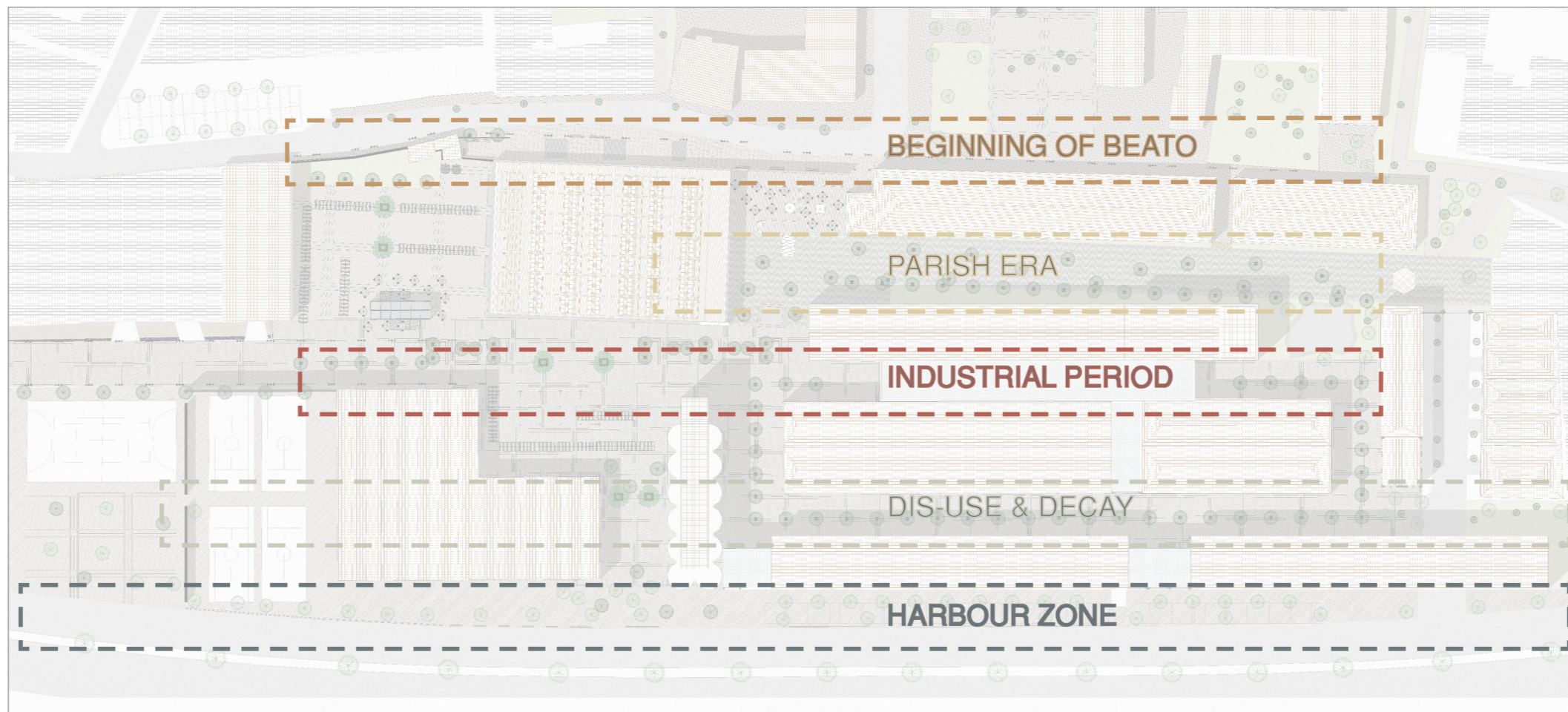


CONCEPT TIME LAYERS



DEVELOPMENT LAYERS

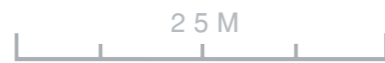
THE DEVELOPMENT LAYERS ARE THE REASONING FOR DESIGN DECISIONS. THE FUNCTIONS THAT ARE NEAR THE AREA FIT IN WITH THE ATMOSPHERE OF THE STREET AND THE BUILDING.



CONCEPT TIME LAYERS NEW VERSION



SECTION TOWARDS SOUTH



DEVELOPMENT LAYERS

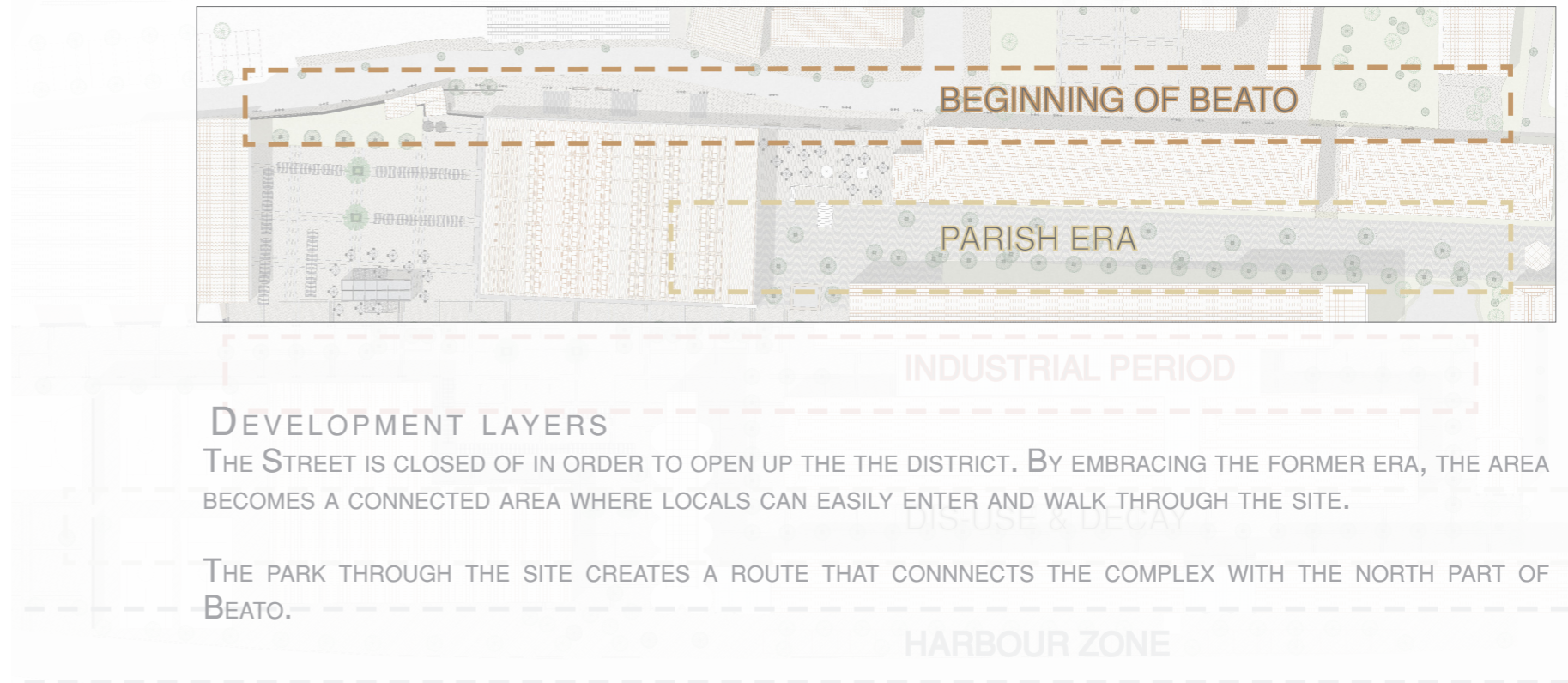
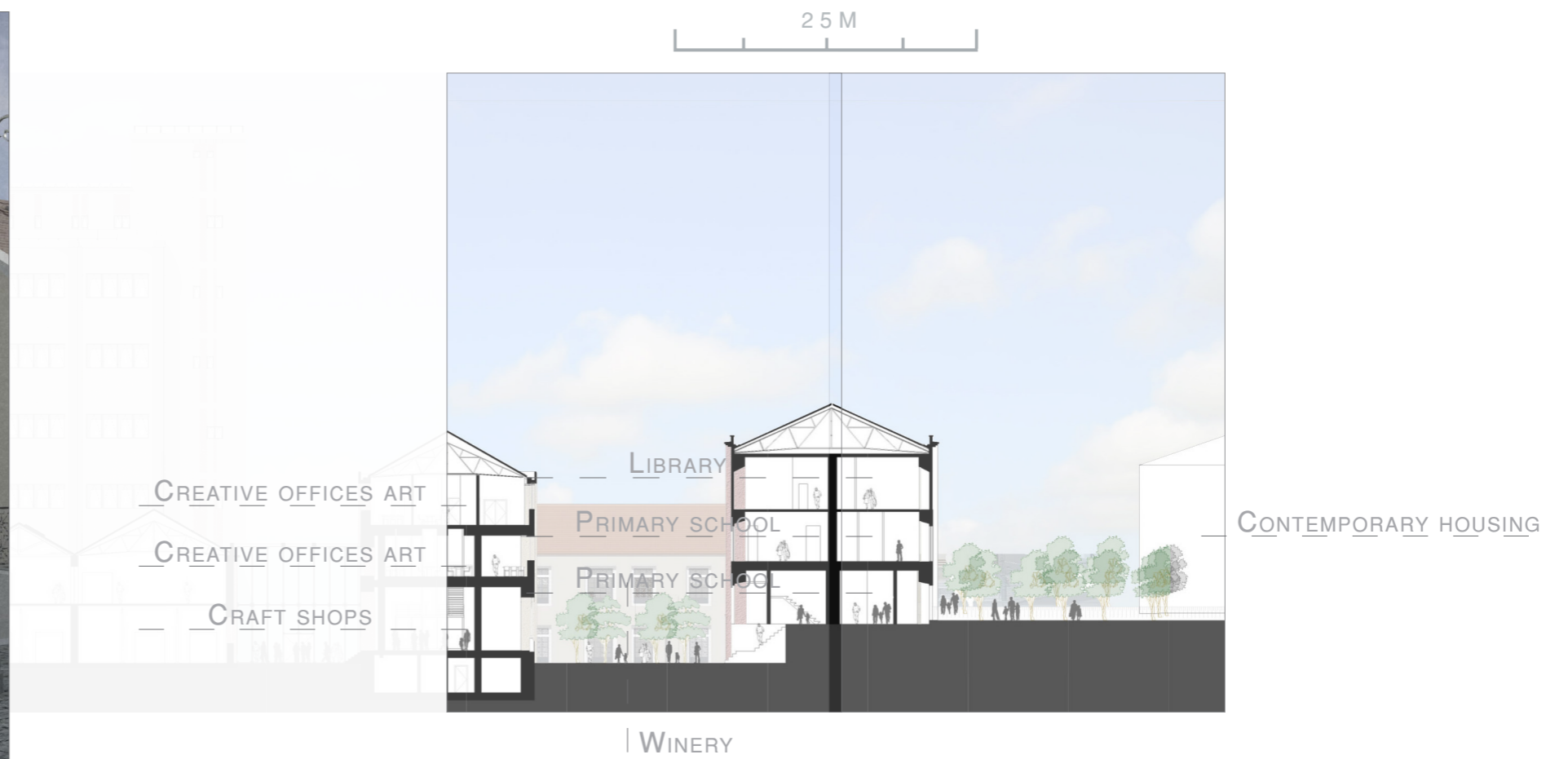
FUNCTIONS FITTING WITH CHARACTER OF STREET AND BUILDING.

CREATES BALANCE BETWEEN NEW USE AND HISTORICAL RELATION.

ZONES UPPER AND LOWER FLOOR



LOCATION SECTION



**DEVELOPMENT LAYERS**

THE STREET IS CLOSED OF IN ORDER TO OPEN UP THE THE DISTRICT. BY EMBRACING THE FORMER ERA, THE AREA BECOMES A CONNECTED AREA WHERE LOCALS CAN EASILY ENTER AND WALK THROUGH THE SITE.

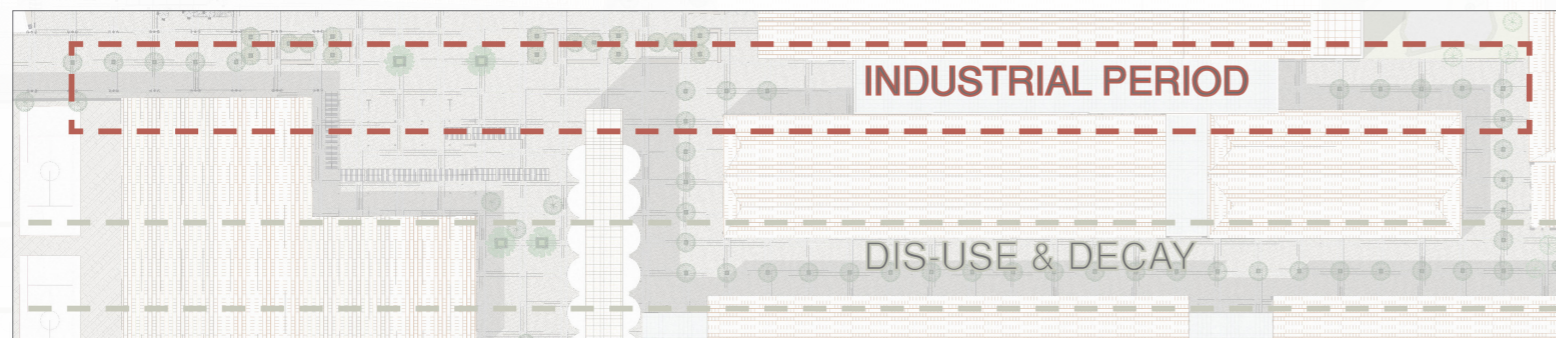
THE PARK THROUGH THE SITE CREATES A ROUTE THAT CONNECTS THE COMPLEX WITH THE NORTH PART OF BEATO.



**DEVELOPMENT LAYERS**

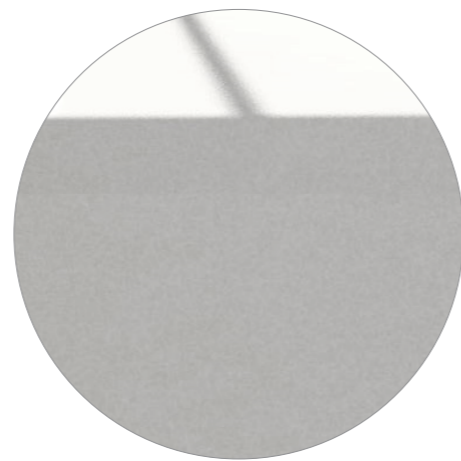
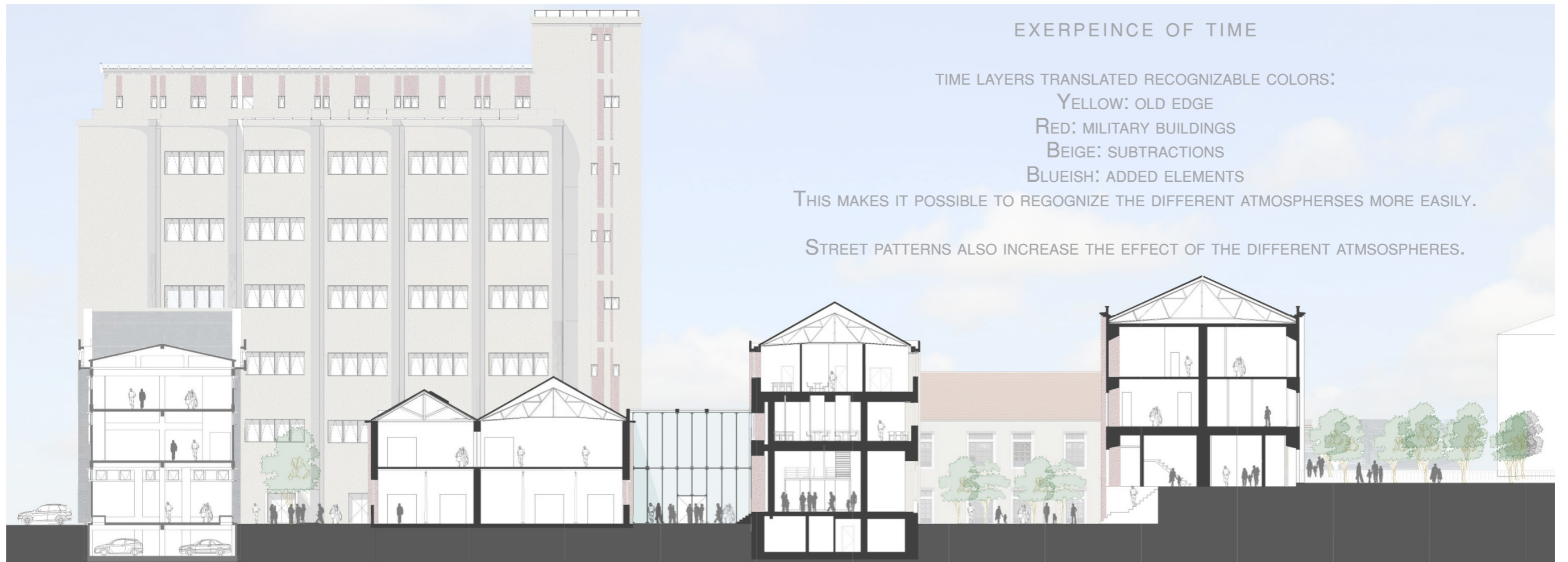
THE ENCLOSED VOLUME IN THE MIDDLE OF THE COMPLEX SHOWS HOW THE ATMOSPHERE WAS IN THE PERIOD OF THE MILITARY ERA.

THE SPACIOUS SHOPPING STREET CONSERVES THE DECAY ERA AS THIS WAS ALSO PART OF THE DEVELOPMENT OF THE AREA. THIS CREATES A CONTRAST BETWEEN THE OTHER AREAS AND SHOWS THE MASSIVE DISTANCES OF THE SITE.



HARBOUR ZONE

TIME LAYERS IN DESIGN



# THE MEETING SPOT

## ENJOYING & UNITING IN THE PUBLIC REALM

### RESEARCH & ANALYSIS

SOCIAL VALUES  
STRATEGY  
SOCIAL COHESION

### A MODERN MANUFACTURING COMPLEX

DEVELOPMENT COMPLEX  
CULTURAL VALUE  
TRANSFORMATION FRAMEWORK  
STRATEGY  
FUNCTION & USE  
DESIGN CONCEPT

### THE MEETING SPOT

FUNCTION & USE  
DESIGN CONCEPT

### MATCH

DEVELOPMENT BUILDING  
TECHNICAL VALUES  
SPATIAL VALUES  
DESIGN CONCEPT  
FUNCTION & USE  
DESIGN EXPRESSION

### TECHNIQUE

TRANSFORMATION VALUES  
TRANSFORMATION CONCEPT  
REFERENCE  
TRANSFORMATION DESIGN  
CLIMATE DESIGN

### CONCLUSION

REFLECTION  
SOURCES



LOCAL WORKERS, 20TH CENTURY



BORDER AROUND MMC



MILITARY ERA MMC, 20TH CENTURY

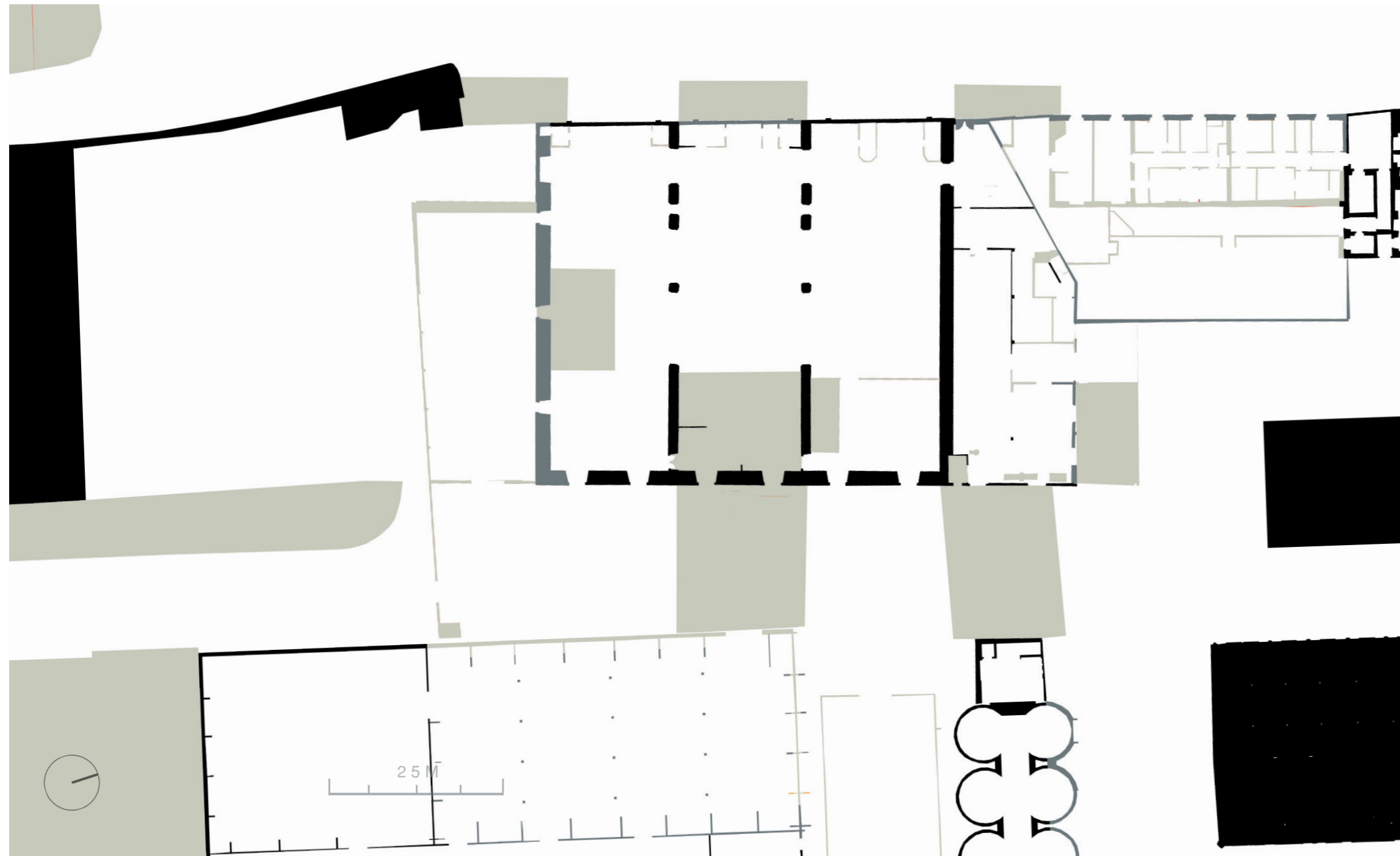
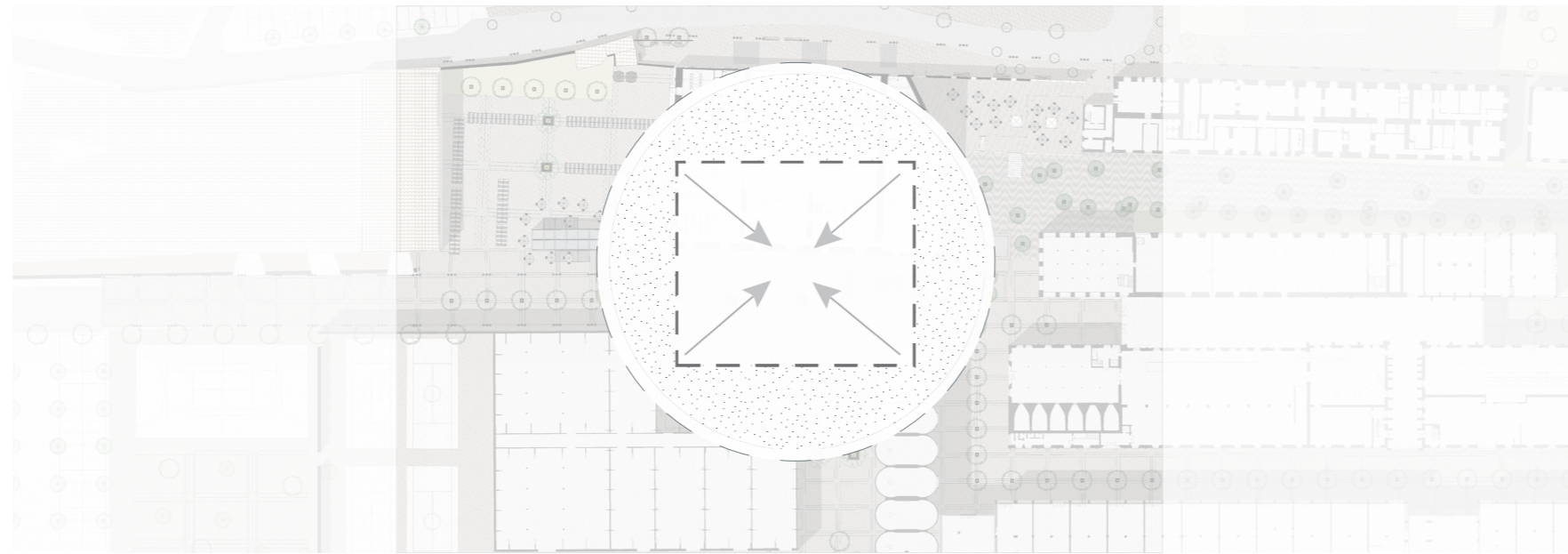
SOCIAL VALUES

INTANGIBLE VALUES ARE NOT VISIBLE. NON THE LESS THESE ARE VERY IMPORTANT FOR THE DESING OF THE ENSEMBLE.

THE FORMER ATMOSPHERE ON THE SITE IS HIGHLY VALUED. THIS NEEDS TO BE BROUGHT BACK AS THIS CREATES QUALITY FOR USING THE BIG COMPLEX.

THE BORDER AROUND THE SITE IS NEGATIVE. ALTHOUGH IT DOES DETERMINE THE SITE AS A SEPARATE AREA. THIS IS VALUED POSITIVE AND CAN'T BE REMOVED COMPLETELY.

ALSO THE AREA WAS ACTIVE AND A OPEN SITE WHICH IS NOW GONE.



SUBTRACTION

THIS WAS INPUT TO LIGHTEN UP THE AREA. THIS RESULTS IN A OPEN SPACE PLAN. IT REVEALS VALUED ELEMENTS. THE SUBTRACTION OF DISRUPITVE ELEMENTS CONTAIN THE WALL. IT IS ALSO KEPT AROUND COMPLEX AS A TRANSITION ZONE.

- SUBTRACTION
- TRANSFORMED

ENSEMBLE SUBTRACTION MAP

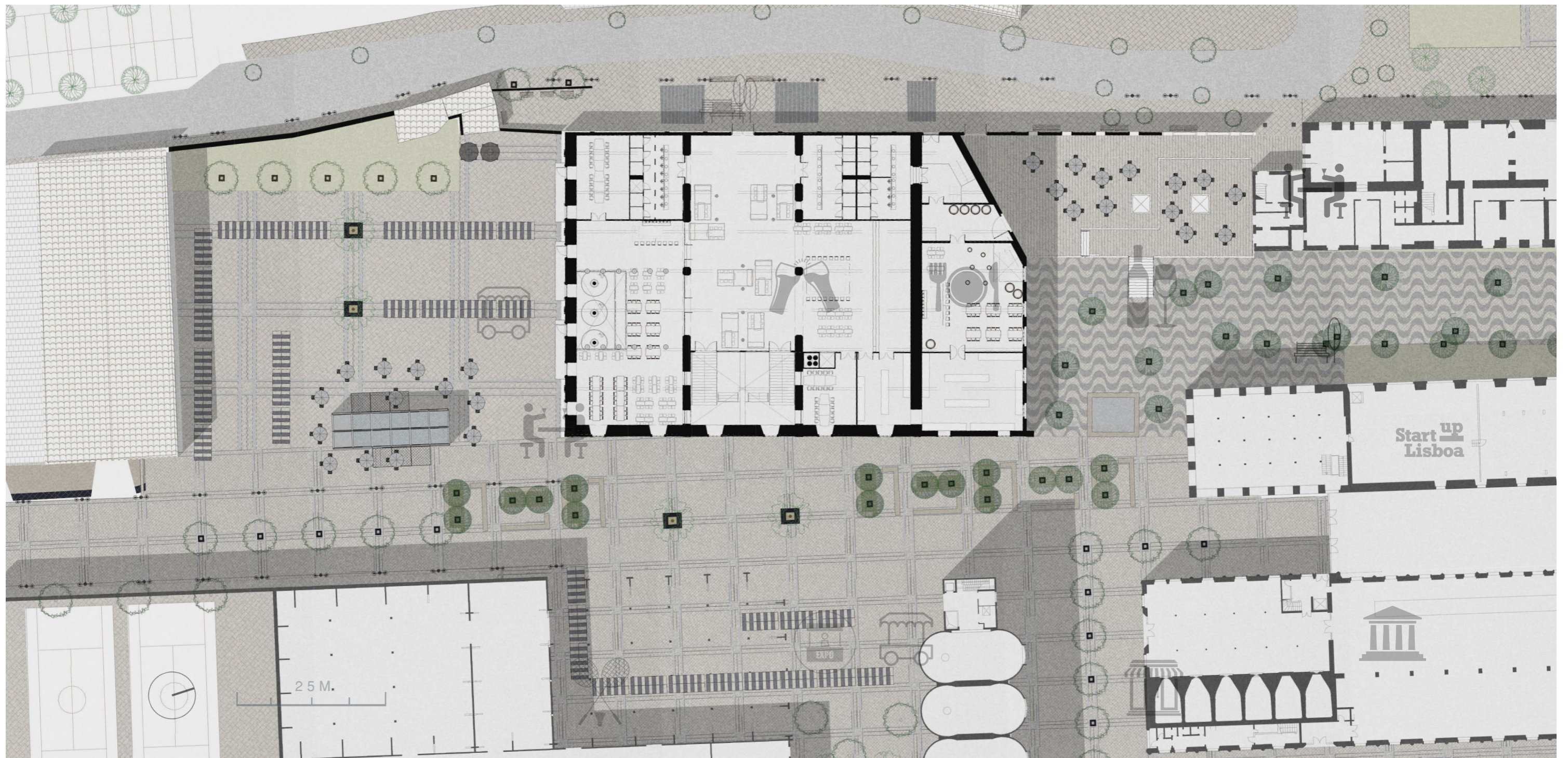


SECTION TOWARDS WEST

### NEW PURPOSE

NEW PURPOSE IS A MEETINGSPT. THIS FOCUSES ON LEISURE, DOWN-TIME FUNCTIONS.

THIS IS EXPLAINED MORE INTO DETAIL WITH THE THEME UNITE.



ENSEMBLE GROUND FLOOR PLAN

THEME

THE THEME OF SOCIAL COHESION HAS BEEN RESEARCHED WITH ADDITIONAL LITERATURE. THIS REPORT IN DUTCH IS ADDED AS A APPENDIX

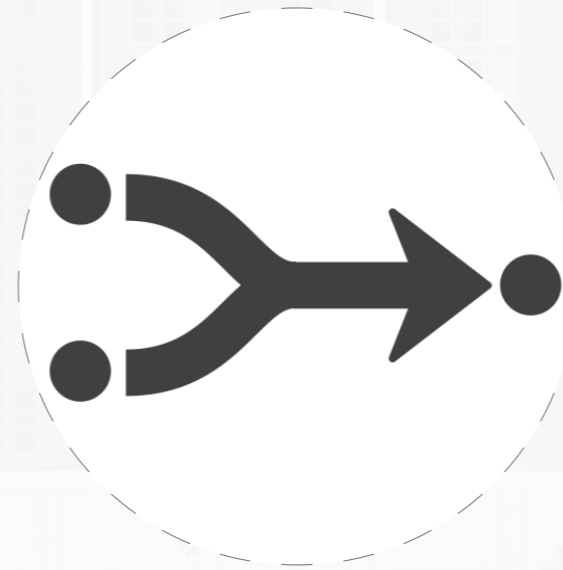
CLEAR ROUTE



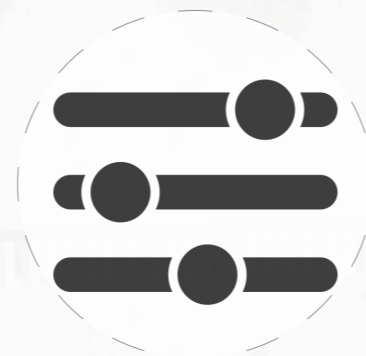
SHARED PUBLIC SPACES



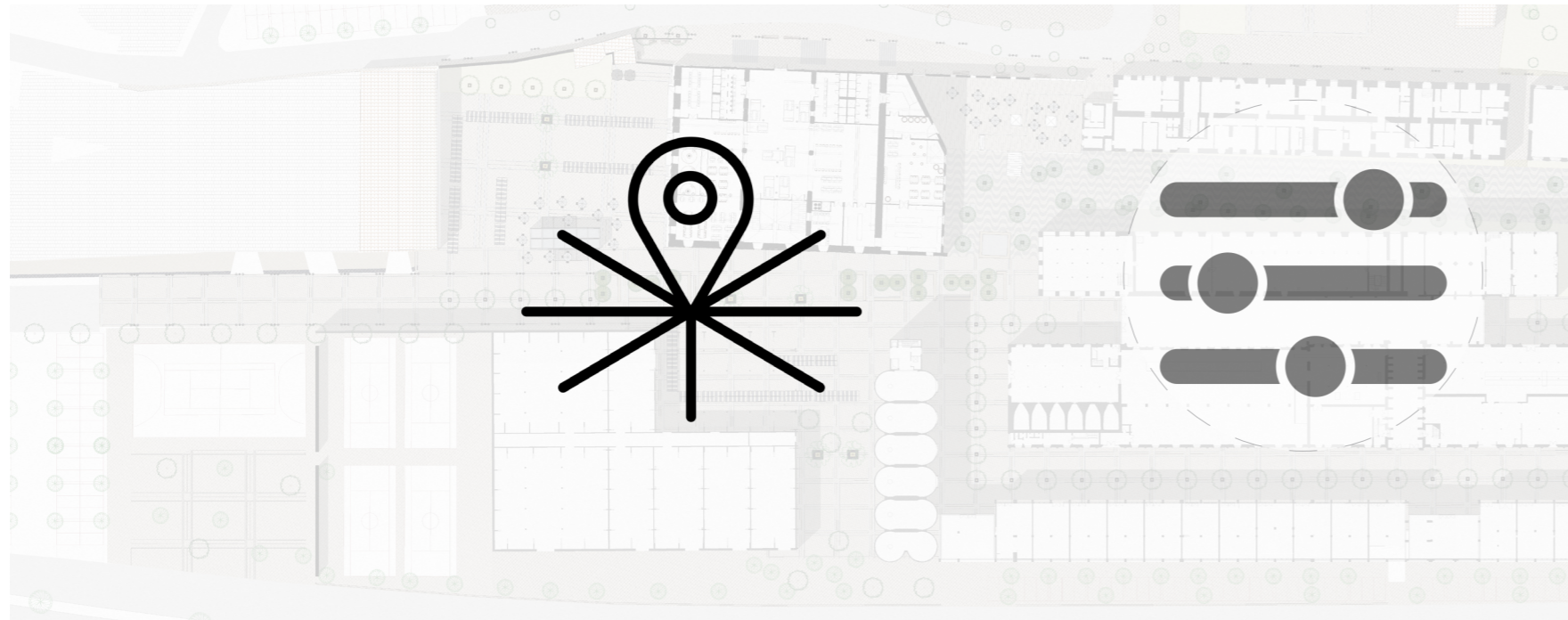
PREVENT EXCLUSION OF LOWER CLASS



FEELING OF SAFETY



POSSIBILITY TO DO YOUR OWN THING



**NEW PURPOSE**

NEW PURPOSE AS A MEETINGSPT.

POSSIBILITY TO DO YOUR OWN THING IS A IMPORTANT ASPECT FOR THE MASTERPLAN.

THE TARGET GROUPS CAN EASILY PROVOKE CONFRONTATIONS.

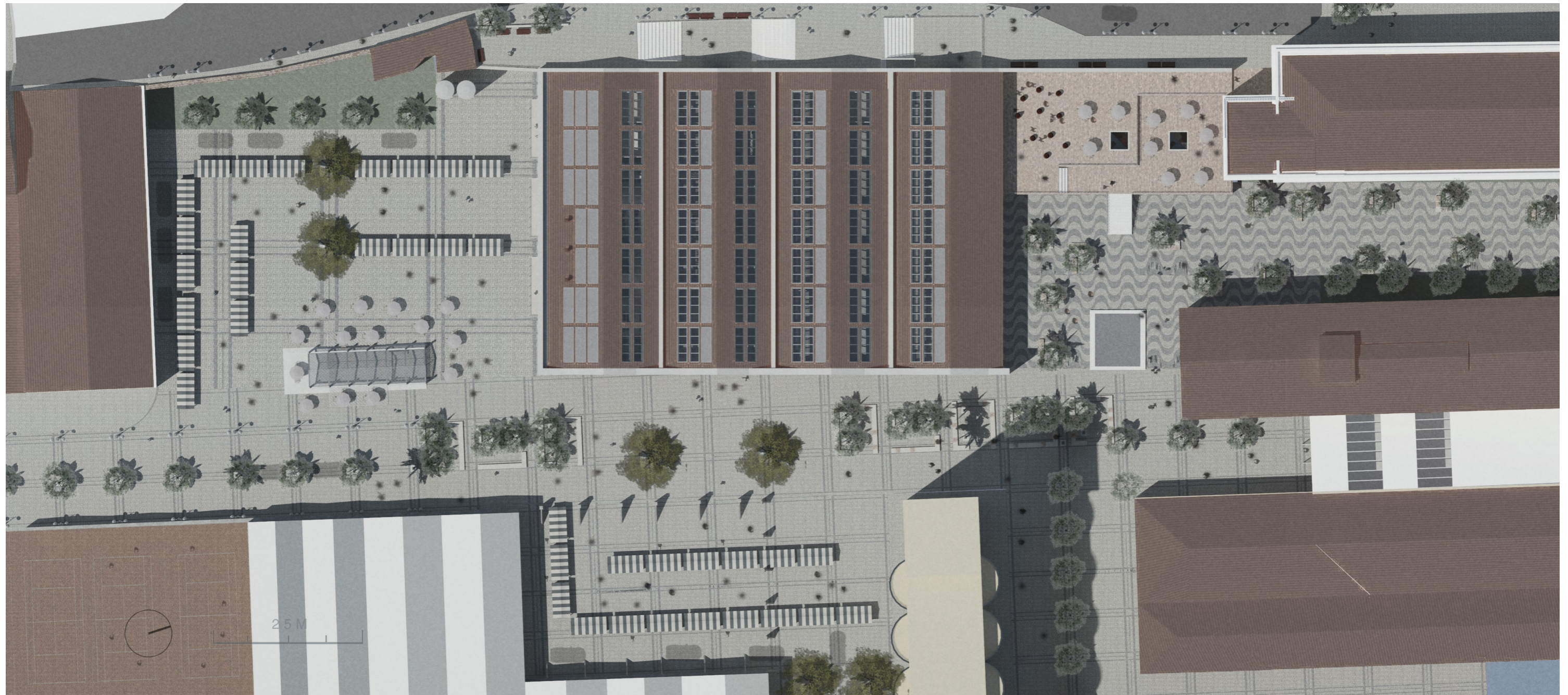
- ZONES FOR FUNCTIONS
- MEETINGSPT COME TOGETHER

PUBLIC USE: MARKET SQAURE USED BY LOCALS, NEW INHABITANTS AND TOURISTS.  
 TYPE OF MARKETS DIFFER THROUGH THE WEEK DEPENDING ON THE TYPE OF USERS.  
 MARKETS CAN BE SET UP AND BROKEN DOWN. ALSO TAKE THE SPACE THEY NEED ON  
 A SECOND SQUARE.

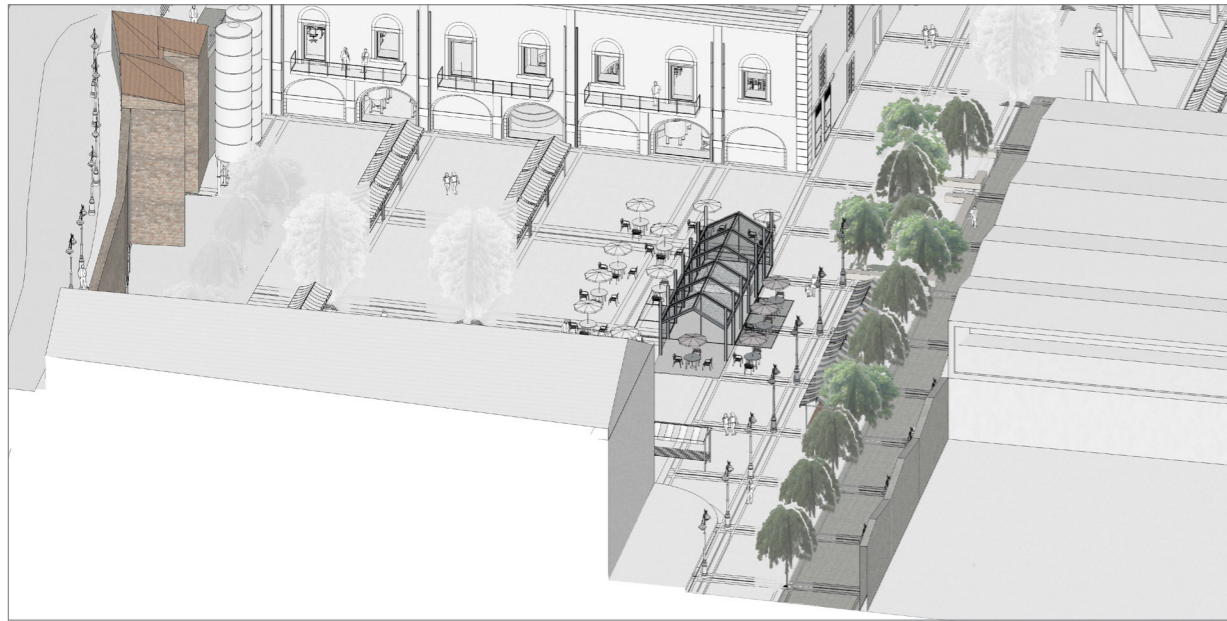
WEEK:ORGANIC FOOD MARKET, WEEKMARKET

WORKDAYS: LOCAL REPAIR

WEEKENDS: FOODTRUCKS, ANITQUE



ROOF PLAN ENSEMBLE



ROUTE

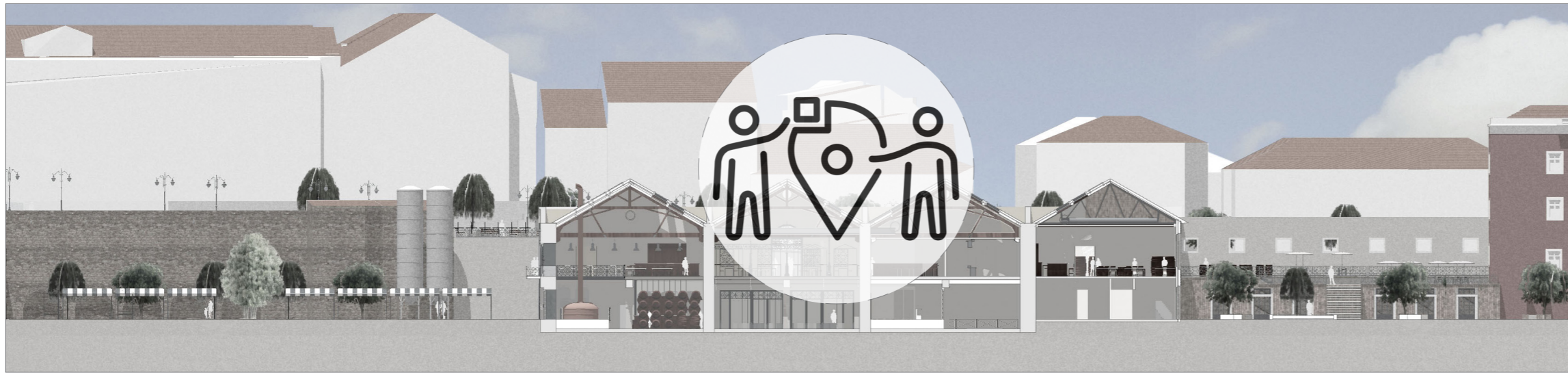
VISIBLE ROUTING WITH A PHYSICAL BORDER AND CHANGING STREET PROFILES. A TRANSITION WITH LAYERS ALSO CREATE A ENTRANCE NORTH OF THE ENSEMBLE.

PAROCHIAL DOMAIN: FEELING SAFE  
 TRANSITION ZONES: INCREASE FEELING OF SAFETY

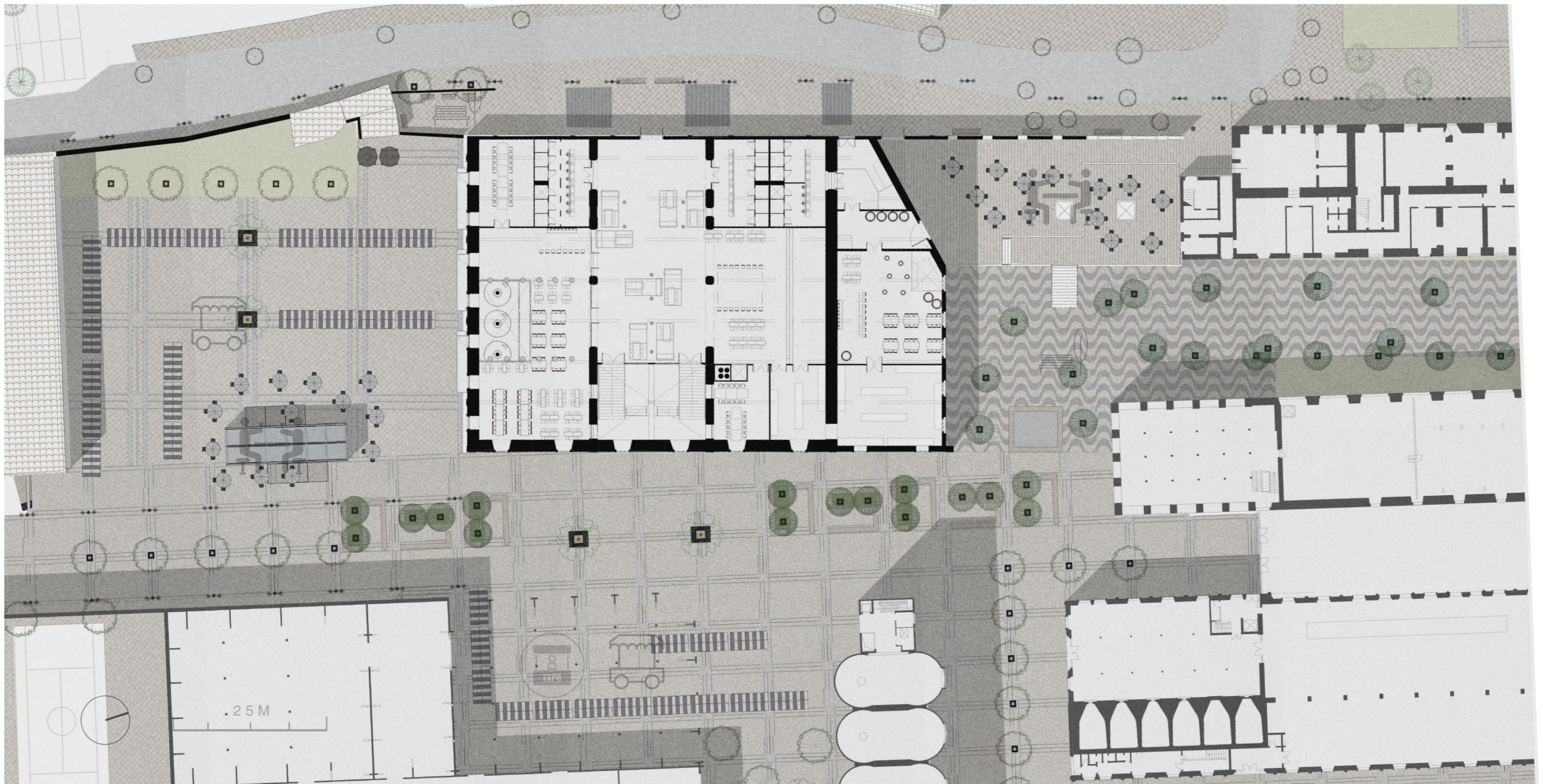
DIFFERENT STREET PATTERN  
 LAYERED TRANSITION, CHANGE IN ELEMENTS SITE, PAVILION AS BORDER ZONE.



TRANSITION ZONE SOUTH



- FUNCTIONS**
- SHARED PUBLIC SPACES**
- MARKET SQUARE: LOCALS, TOURISTS, NEW TARGET GROUP
  - EXPOSITION SPACES
  - PARC
- THESE DECREASE EXCLUSION OF LOWER CLASSES IN THE AREA.
- MAIN ROUTE**
- INTERCONNECTED PUBLIC SPACES**
- SQAURE, PLAZA, PARC
  - PUBLIC INTERIOR
- ENTRANCE ZONE: FEELING SAFE**

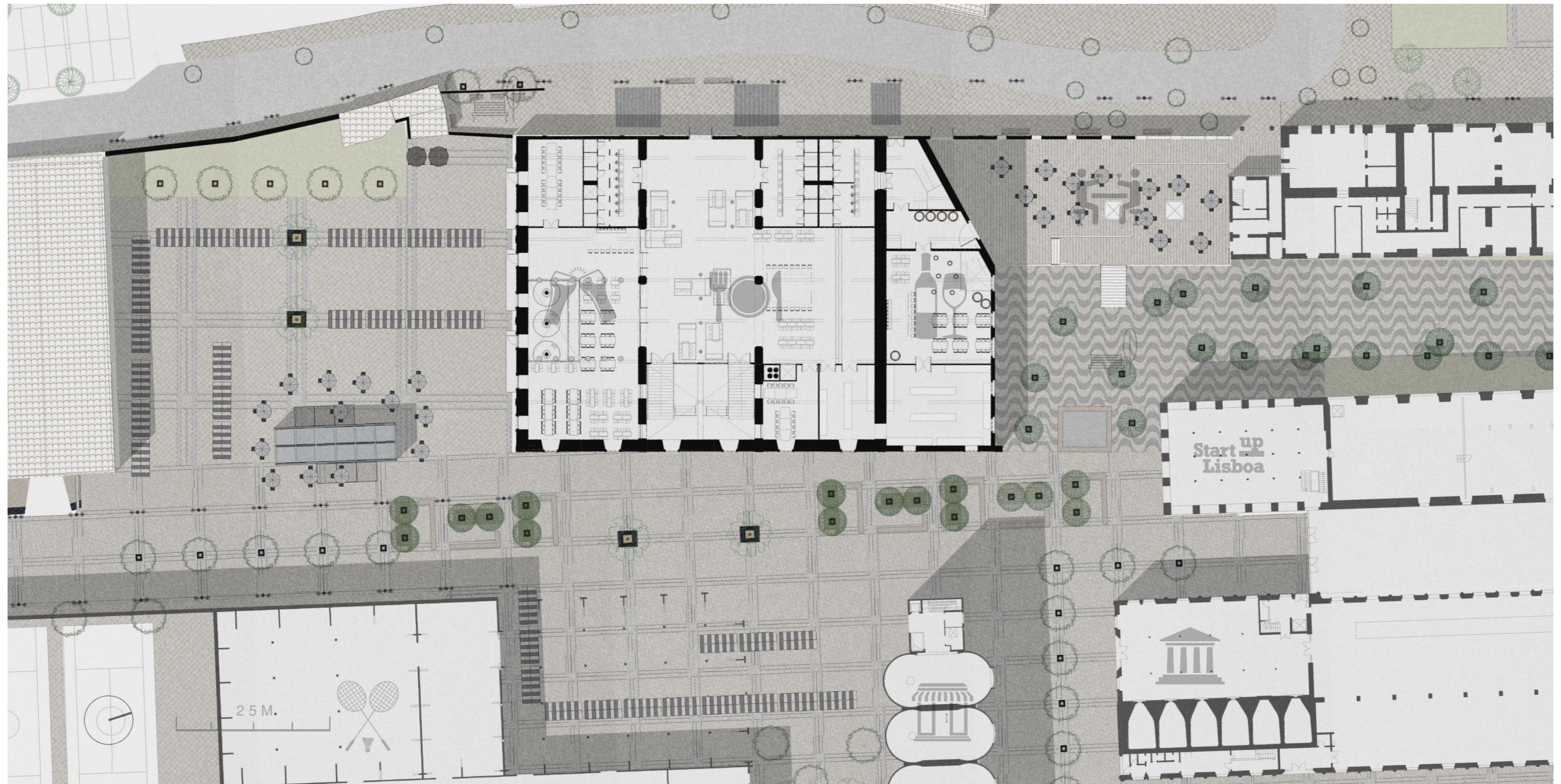


ENSEMBLE GROUND FLOOR PLAN



FUNCTIONS:

- COME TOGETHER: CULTURAL ACTIVITIES
- PREVENT EXCLUSION OF LOWER CLASS
- o INTERACTION AROUND AND IN BUILDINGS
- o INCREASE INTERACTION BETWEEN CLASSES:
- FOOD HALL



ENSEMBLE GROUND FLOOR PLAN



**EXCLUSION**  
 BALANCE BETWEEN TARGET GROUPS :  
 WINERY BY LOCALS. THIS MAKES SURE  
 THE LOCALS AND VISITORS OR NEW  
 INHABITANTS CAN MEET EACHOTHER. THIS  
 IS A PUBLIC SPACE AND NOT ONLY FOR THE  
 WINERY.



**FEELING OF SAFETY**  
 PAROCHIAL DOMAIN ON SITE:  
 TRANSPARENT BORDER  
 TRANSFORMED INTO TRANSITION ZONES:  
 - ENTRANCE ZONES TO SITE  
 CONTROLLED  
 - LAYERED, TRANSPARENT

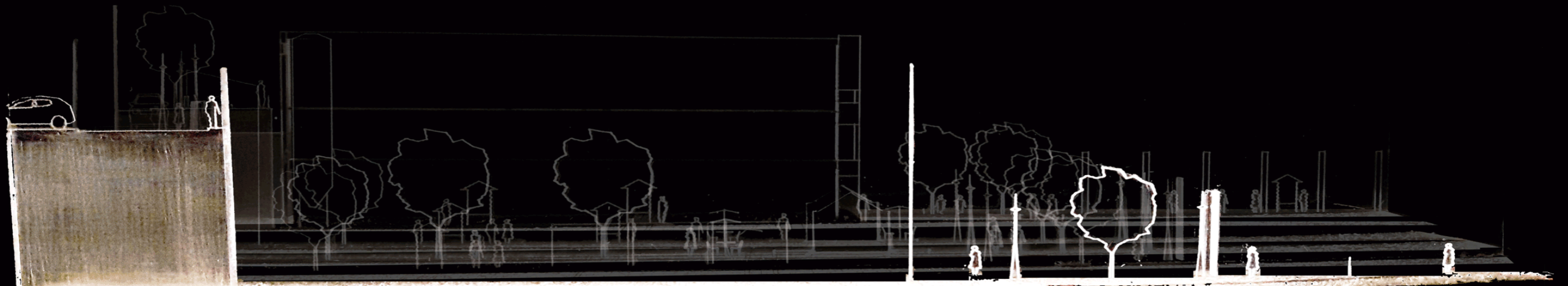
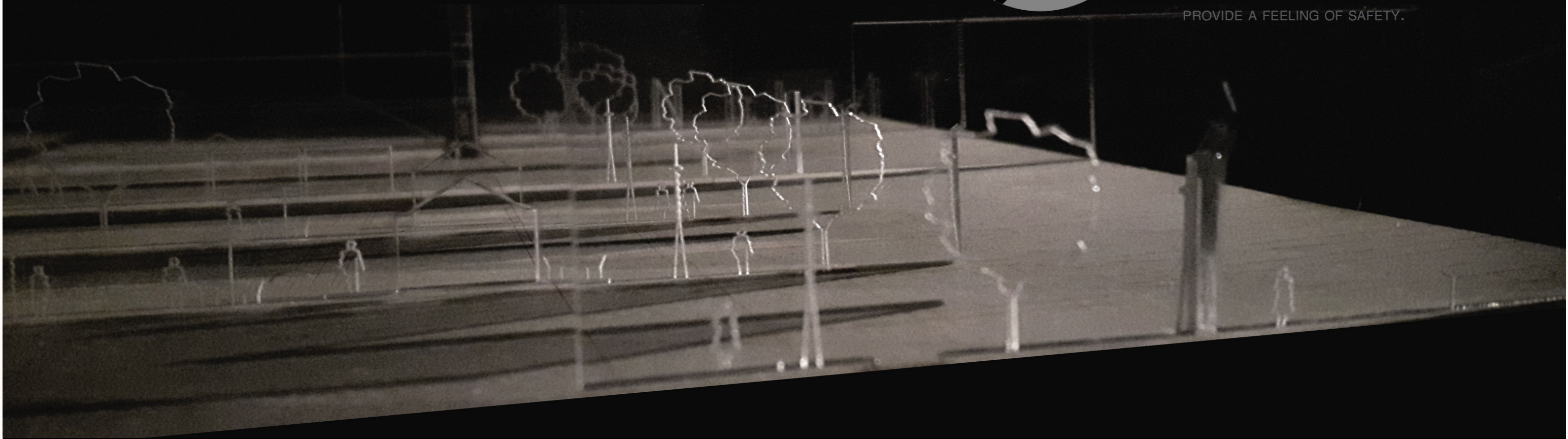


FEELING OF SAFETY

TRANSITION ZONE: LAYERD AND CONTROLLED WITH ELMENETS DESIGNED.

PHYSICAL SIGNS OF ENTRANCE: PAVILION TO DETERMINE THIS IN A PHYSICAL WAY.

SHARED SPACES RATIO BETWEEN LOCALS/NEW USES AND WIDE SPACES FOR COMFORT ALSO PROVIDE A FEELING OF SAFETY.



MAQUETTE PUBLIC SPACE SOUTH

# MATCH

MEETING | ART | TECHNOLOGY | CULTURE | HERITAGE

## RESEARCH & ANALYSIS

DEVELOPMENT BUILDING  
TECHNICAL VALUES  
SPATIAL VALUES

## A MODERN MANUFACTURING COMPLEX

DEVELOPMENT COMPLEX  
CULTURAL VALUE  
TRANSFORMATION FRAMEWORK  
STRATEGY  
FUNCTION & USE  
DESIGN CONCEPT

## MATCH

DESIGN CONCEPT  
FUNCTION & USE  
DESIGN EXPRESSION

## THE MEETING SPOT

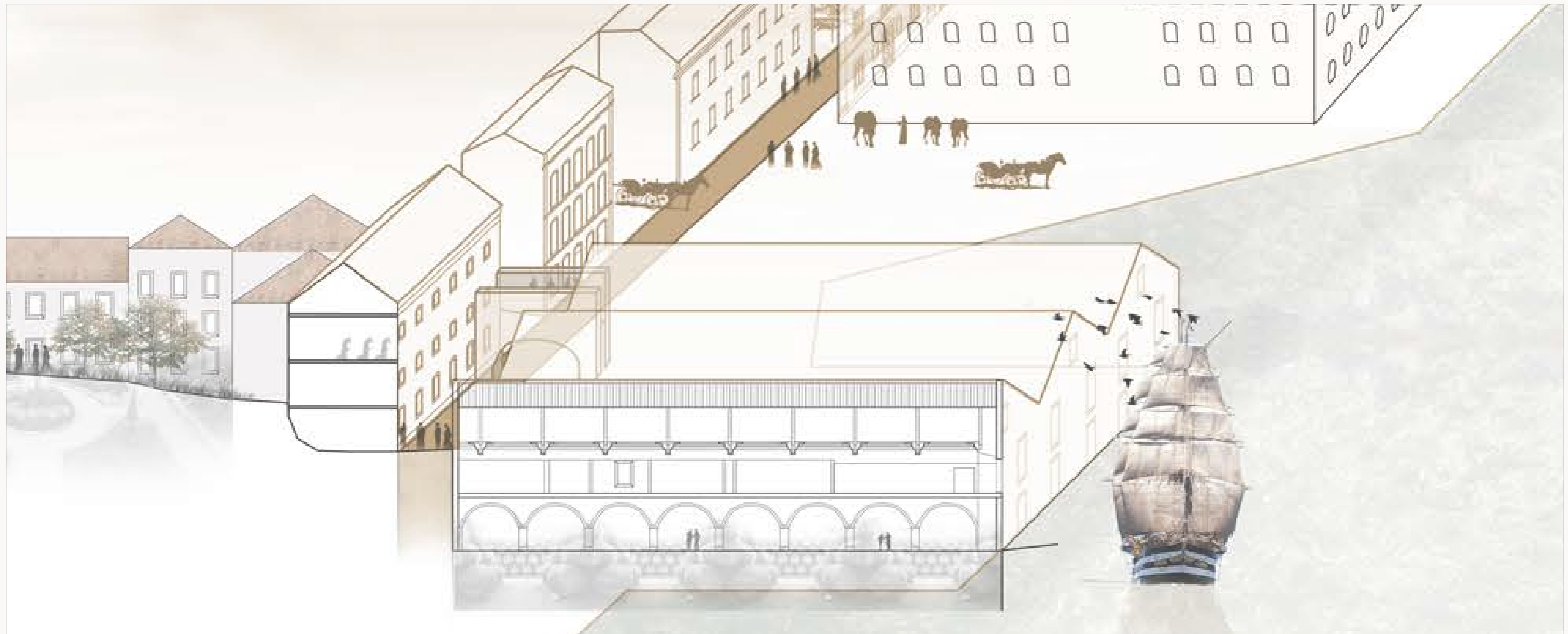
SOCIAL VALUES  
STRATEGY  
SOCIAL COHESION  
FUNCTION & USE  
DESIGN CONCEPT

## TECHNIQUE

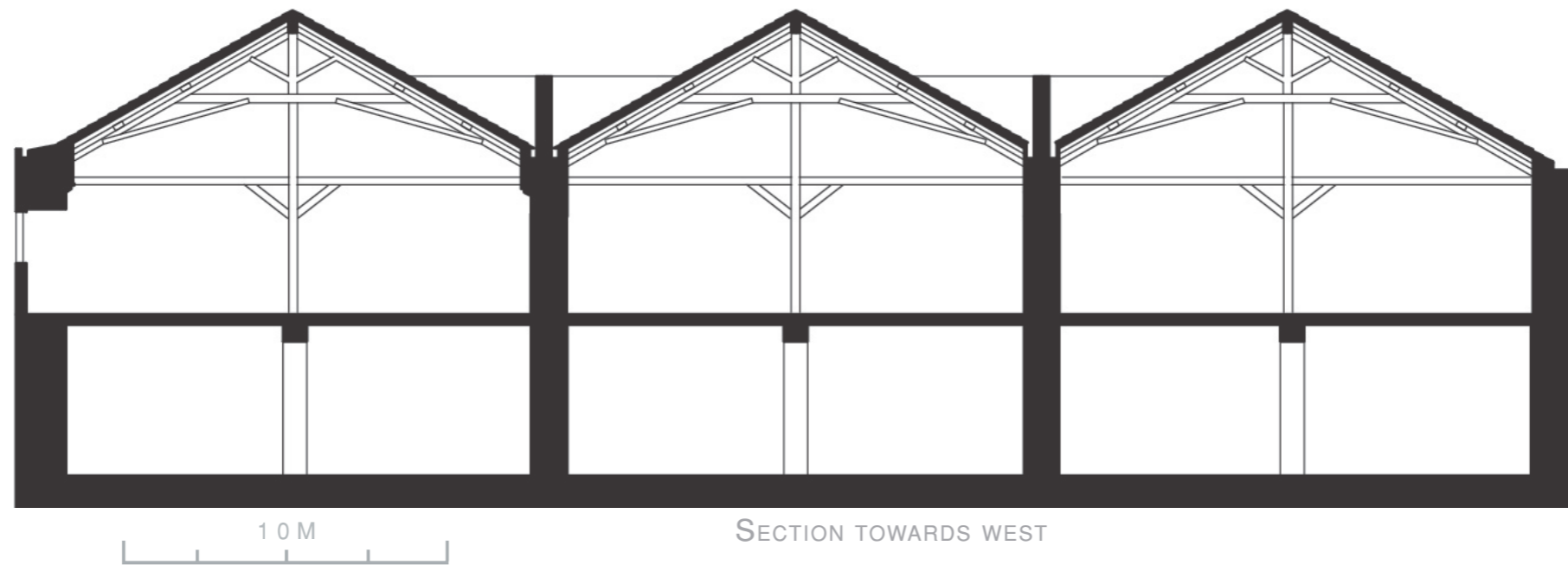
TRANSFORMATION VALUES  
TRANSFORMATION CONCEPT  
REFERENCE  
TRANSFORMATION DESIGN  
CLIMATE DESIGN

## CONCLUSION

REFLECTION  
SOURCES



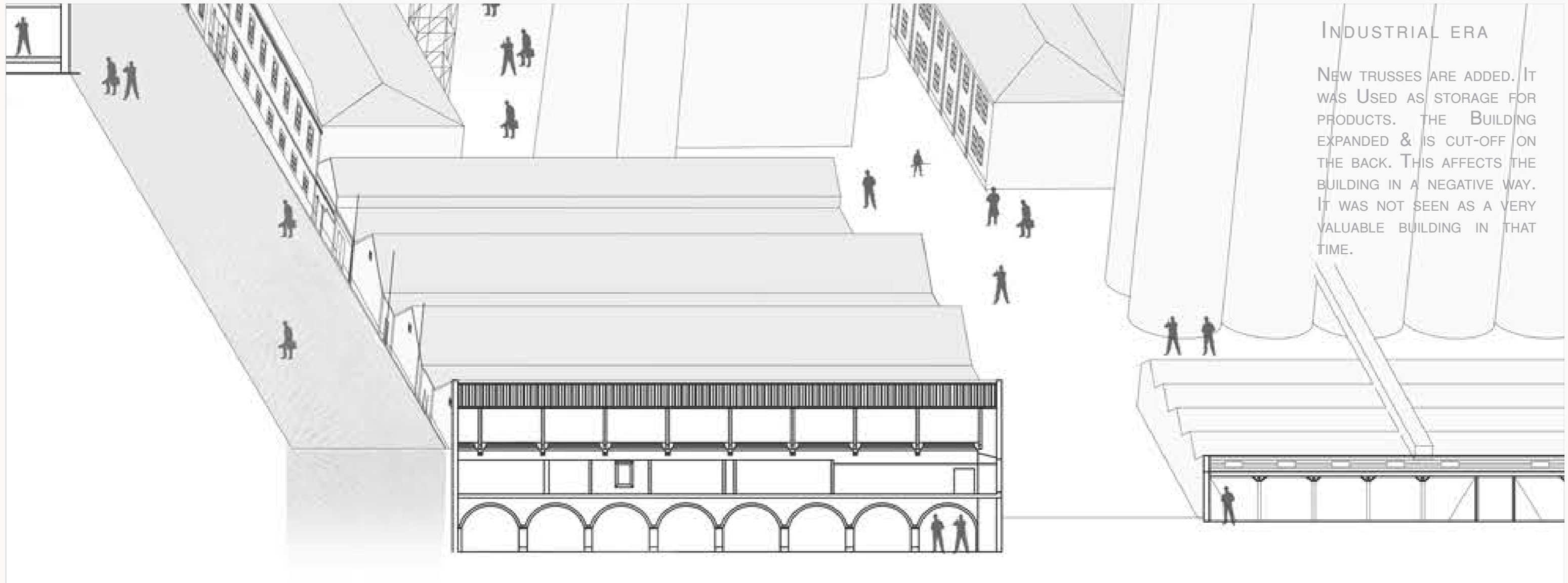
DISCOVERY & PARISH ERA 1600 - 1800 (GROUPS ANALYSIS STREET)



SECTION TOWARDS WEST

### PARISH ERA

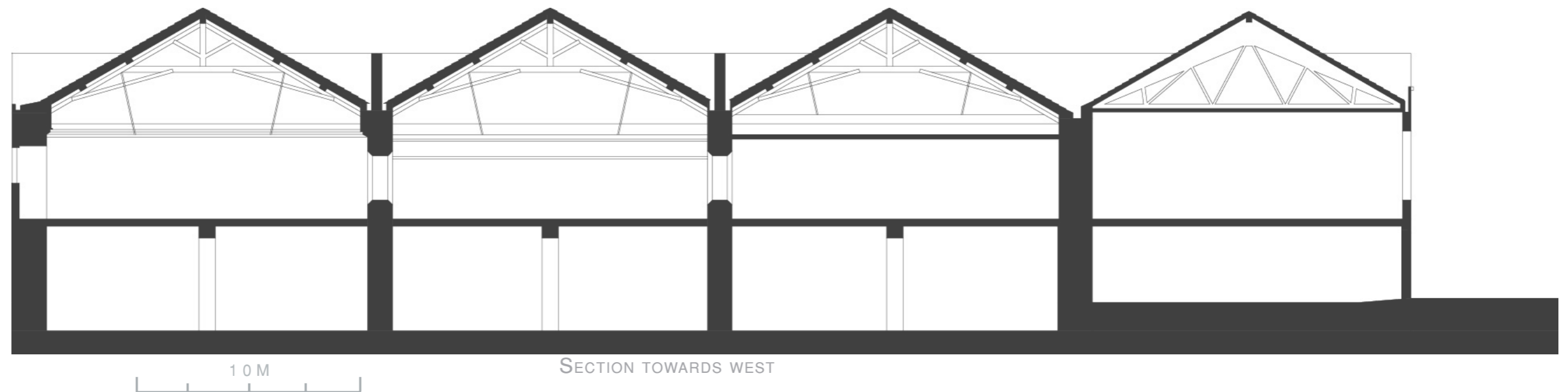
BEAUTY OF ARCHES, BUILDING STANDS CLOSE TO THE WATER AND THE FACADE IS ON THE EDGE. THE BUILDING HAS AN IMPORTANT ROLE IN THE DISTRICT.

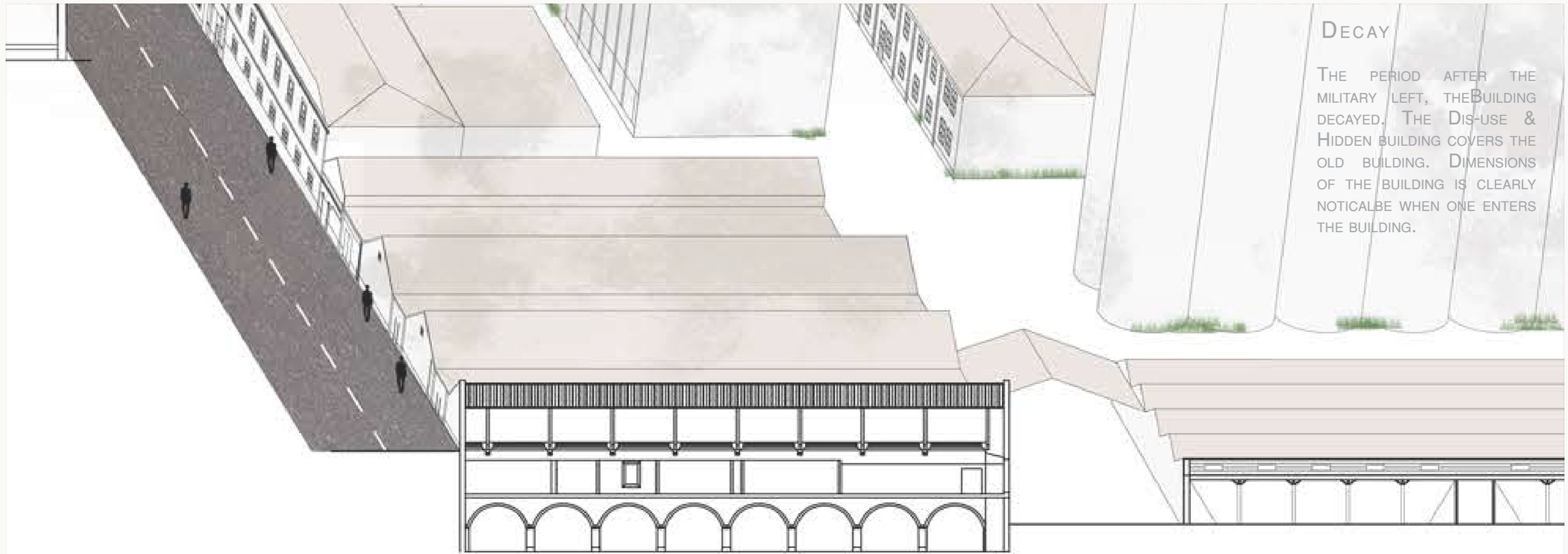


INDUSTRIAL ERA

NEW TRUSSES ARE ADDED. IT WAS USED AS STORAGE FOR PRODUCTS. THE BUILDING EXPANDED & IS CUT-OFF ON THE BACK. THIS AFFECTS THE BUILDING IN A NEGATIVE WAY. IT WAS NOT SEEN AS A VERY VALUABLE BUILDING IN THAT TIME.

INDUSTRIAL & MILITARY 1800 - 1960 (GROUPS ANALYSIS STREET)



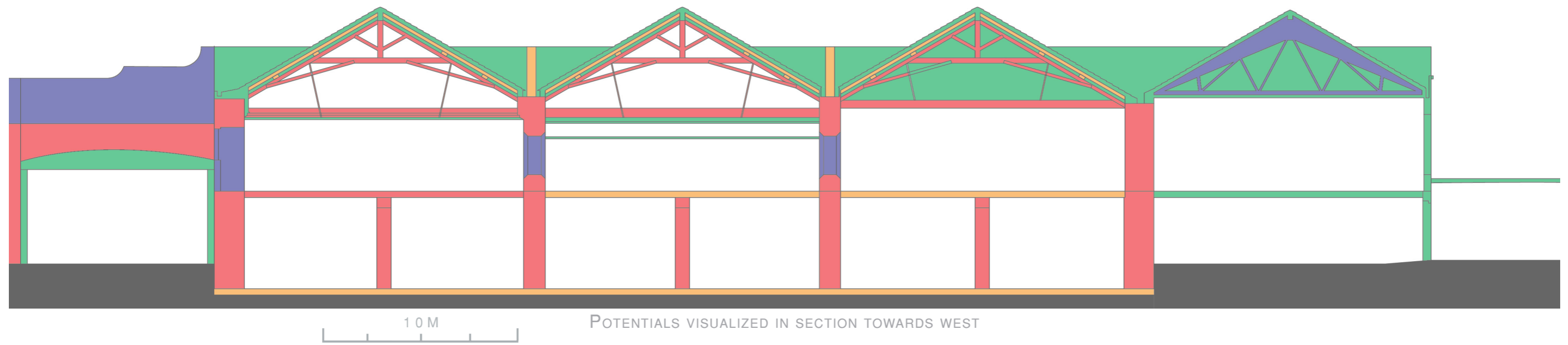


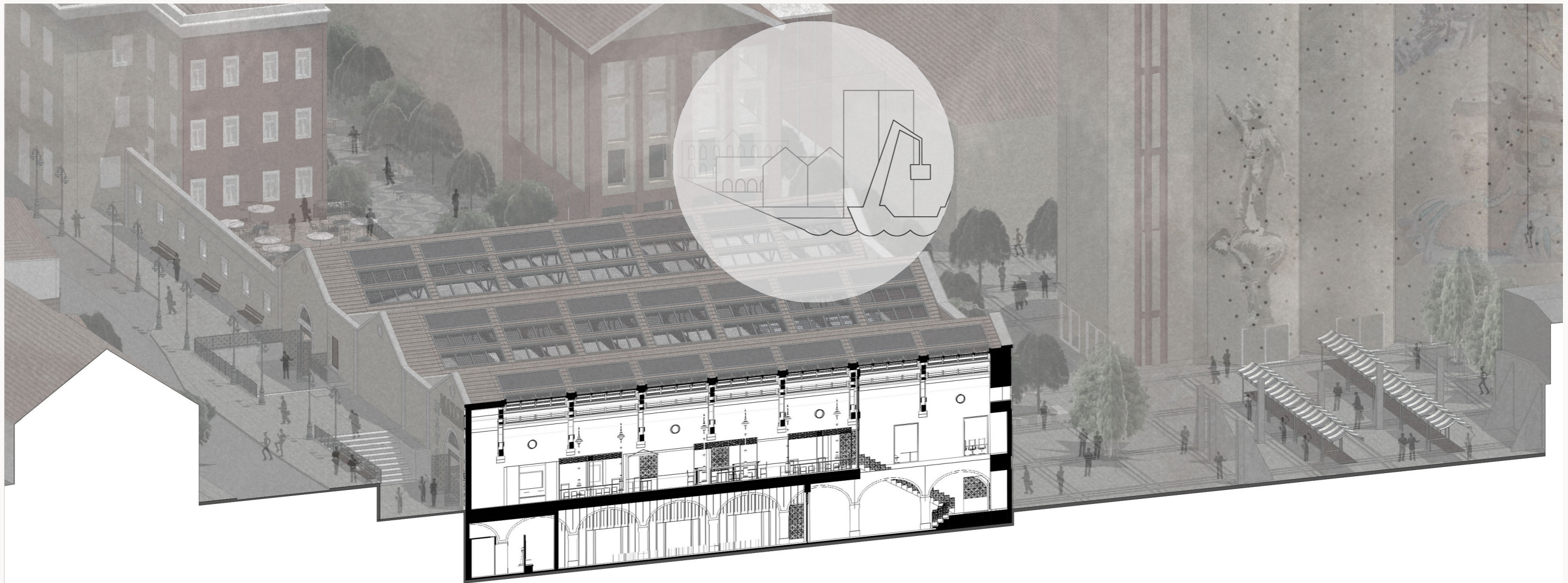
DECAY

THE PERIOD AFTER THE MILITARY LEFT, THE BUILDING DECAYED. THE DIS-USE & HIDDEN BUILDING COVERS THE OLD BUILDING. DIMENSIONS OF THE BUILDING IS CLEARLY NOTICABLE WHEN ONE ENTERS THE BUILDING.

DISUSE & DECAY 1960 - 2015 (GROUPS ANALYSIS STREET)

- HIGH POTENTIAL
- MIXED POTENTIAL
- LOW POTENTIAL
- LIMITED POTENTIAL



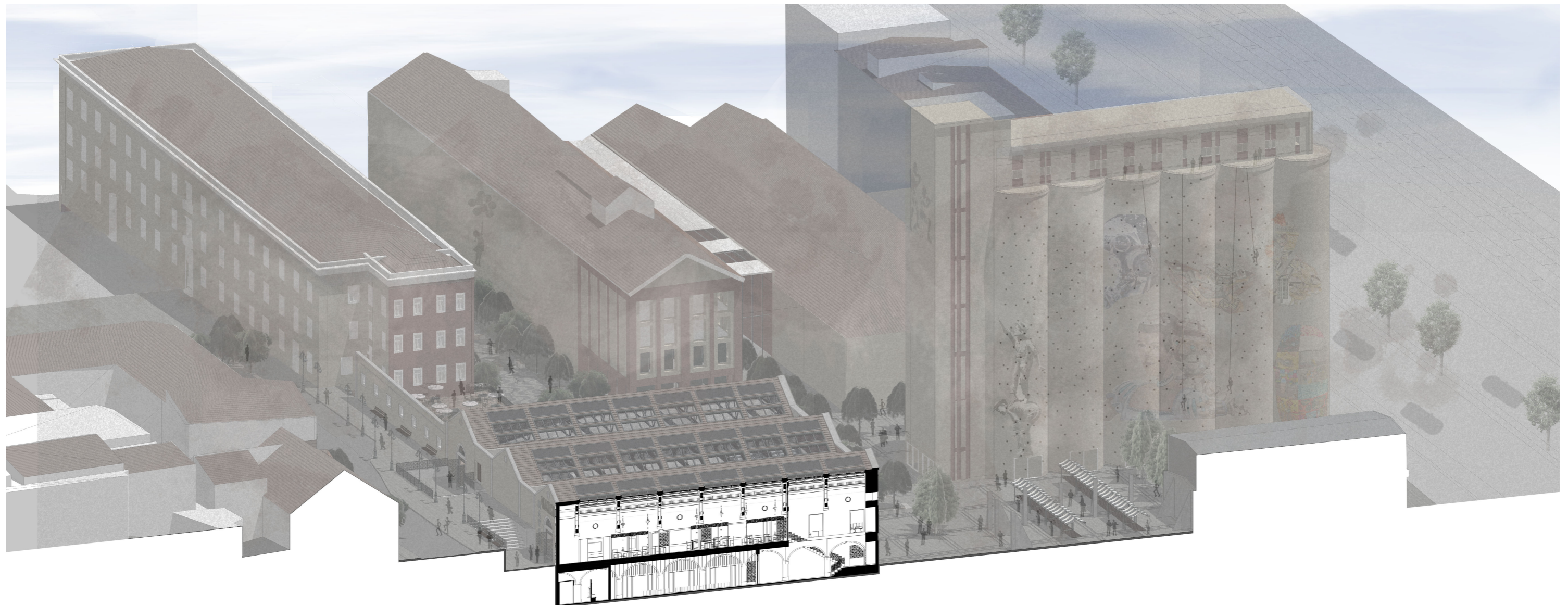


FUTURE TIME LAYER 2025

FORMER LAYERS VISIBLE IN THE RE DESIGN. THE HARBOUR IS FORCED UPON AND NOW USED FOR A VIBRANT NEW CHARACTER. THE PASSAGE THROUGH THE BUILDING CONNECTS IT WITH THE OUTSIDE WORLD.



SECTION TOWARDS WEST FUTURE TIME LAYER



MATCH

THE BUILDING IS LOCATED IN A ACTIVE AREA WITH DONWTIME FUNCTIONS.





EXPERIENCE OF BUILDING

- DAYLIGHT ATMOSPHERE
- RYTHEM OF TRUSSES



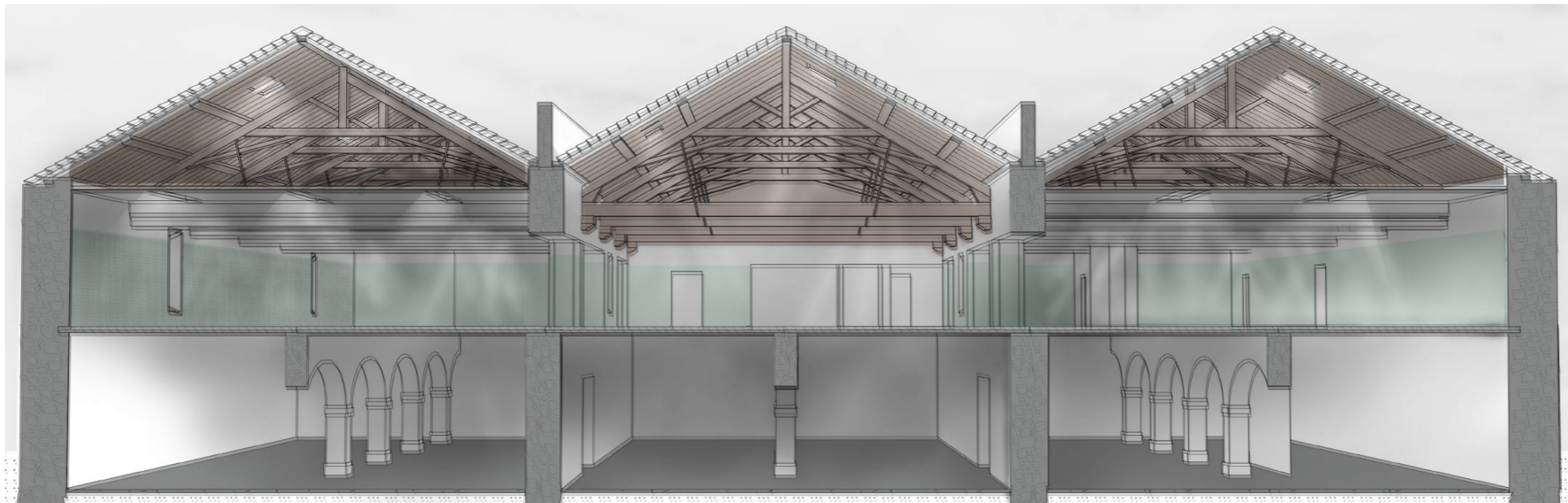
SPACE

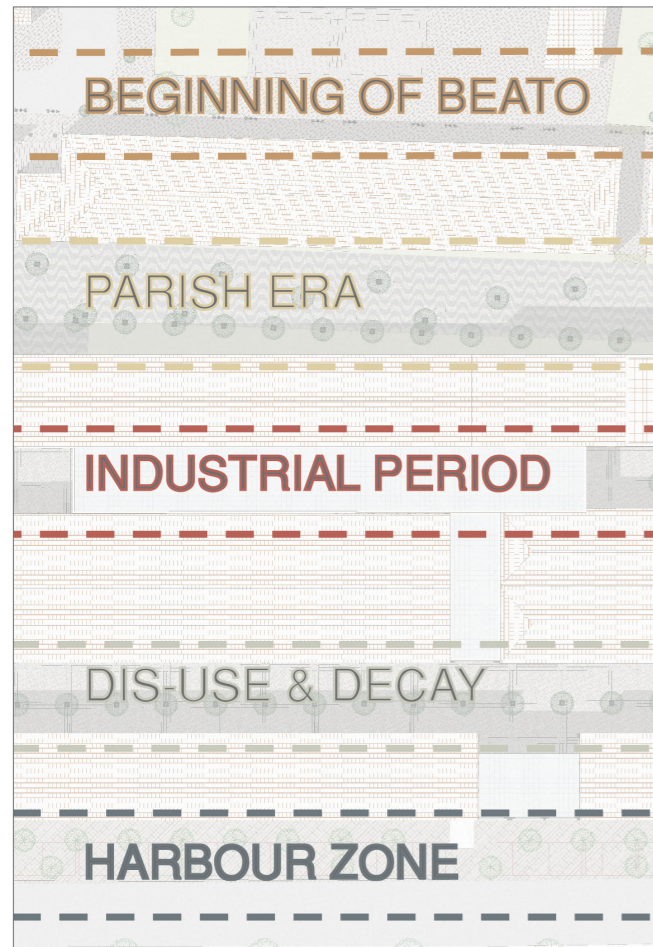
- INTROVERT
- WIDE SPACE



DECAY

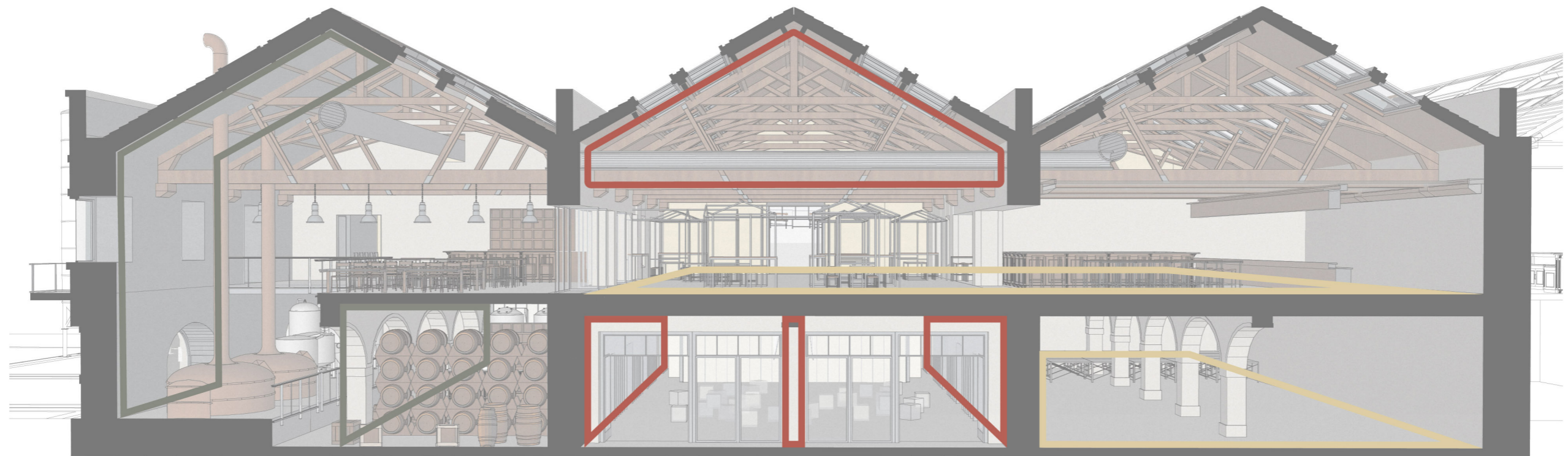
- HEIGHT BUILDING
- ATMOSPHERE BY DECAY





DEVELOPMENT VISIBLE INSIDE BUILDING. THIS IS TRANSLATED IN TO ZONES WITH DIFFERENT ATMOSPHERES.

LEFT TO RIGHT THE BUILDING FOCUSES ON: THE HEIGHT, THE STRUCTURE OF THE BUILDNG AND THE HORIZONTALITY.





TASTING ROOM BREWERY



PASSAGE HALL WITH LUNCH SPACE



FOODHALL WITH FRESHLY COOKED FOOD FOR QUICK LUNCH OR DINNER



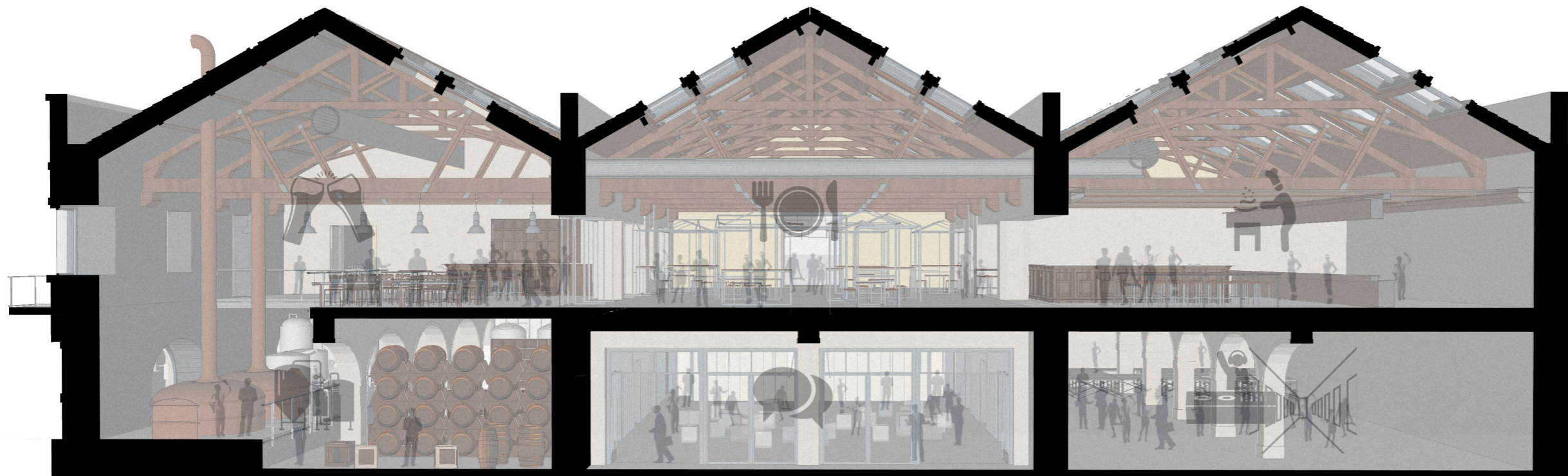
BREWERY WORKSPACE WITH BAR



FOYER CONCERT HALL / EXHIBITION SPACE



CONCERT HALL / EXHIBITION SPACE / CONFERENCE SPACE

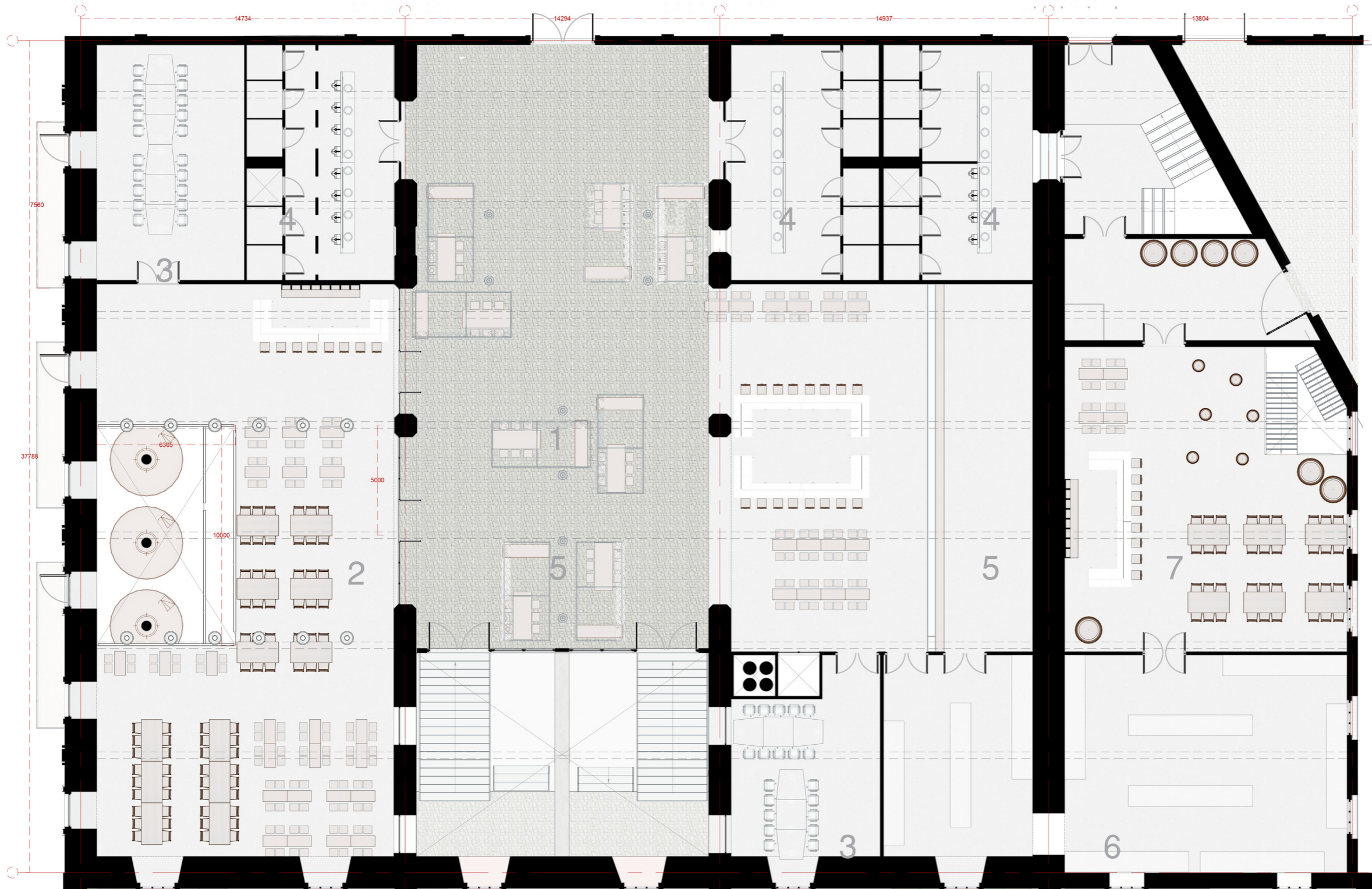


MAIN FUNCTION

FITTING WITH CHARACTER BUILDING:  
PUBLIC BUILDING FOR LOCAL USE  
BREWERY, FOODHALL, CONCERTHALL, EXHIBITION SPACE, WINERY

ATTRACT DIFFERENT USERS

- PUBLIC FUNCTIONS
- PASSAGE



FUNCTION & USE

PUBLIC BUILDING WITH ROUTE THROUGH THE MIDDLE. VIDE WITH STAIR CASE FOR ENTERING THE BUILDING.

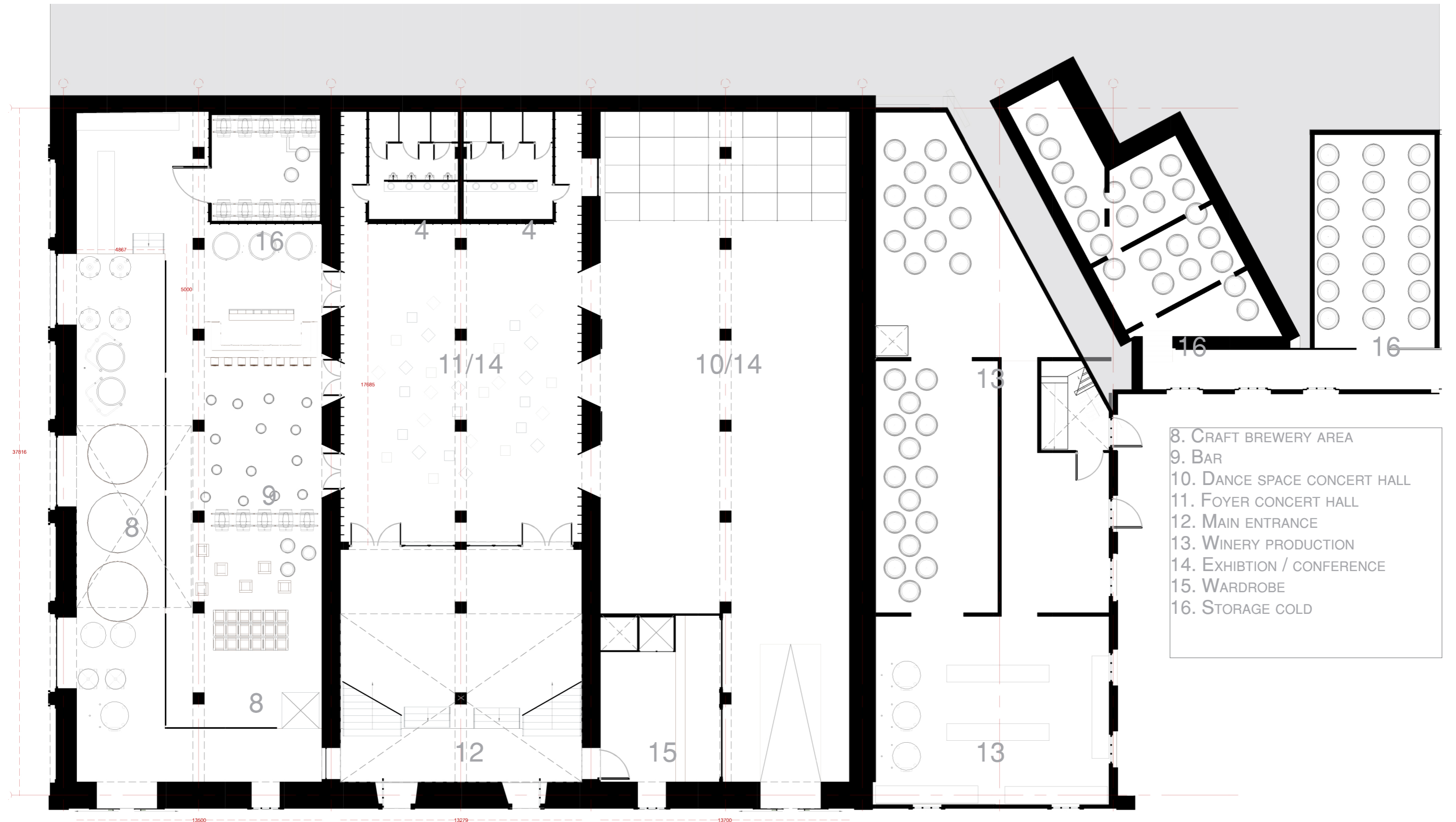
CRAFT BREWERY WITH SEPARATE MEETING ROOM.

FOODHALL WITH TABLES STANDS. FOODSTANDS IN THE RIGHT VOLUME.

WINERY SEPERATED FROM THE OTHER BUILDING WITH ACCES THROUGH THE KITCHEN.

WINERY WITH VIEW ON THE CULTURAL ROUTE PASSING THROUGH THE SITE.

- 1. PASSAGE HALL & FOODHALL
- 2. TASTING ROOM BREWERY
- 3. MEETING ROOM
- 4. TOILET
- 5. FOODHALL
- 6. KITCHEN
- 7. TASTING ROOM WINERY

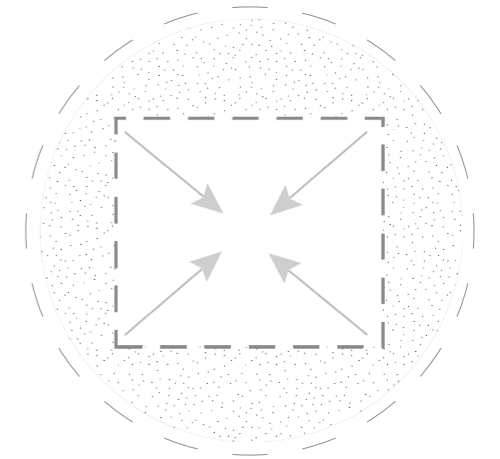


- 8. CRAFT BREWERY AREA
- 9. BAR
- 10. DANCE SPACE CONCERT HALL
- 11. FOYER CONCERT HALL
- 12. MAIN ENTRANCE
- 13. WINERY PRODUCTION
- 14. EXHIBITION / CONFERENCE
- 15. WARDROBE
- 16. STORAGE COLD

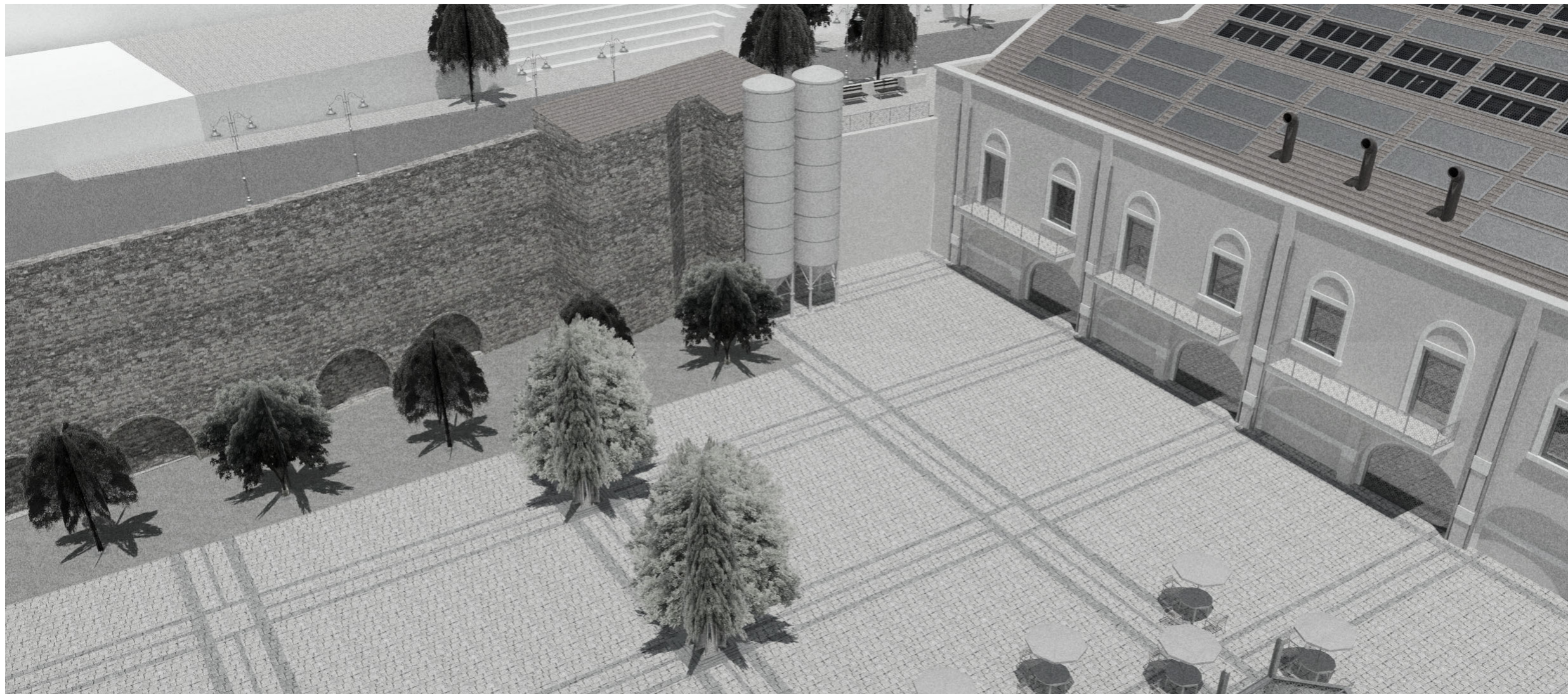


NORTH FACADE IS MORE APPEALING IN THE NEW DESIGN WITHOUT LOSING ITS INTROVERT CHARACTER.

SOUTH FACADE IS NOW MORE APPEALING TOWARDS THE SQUARE.

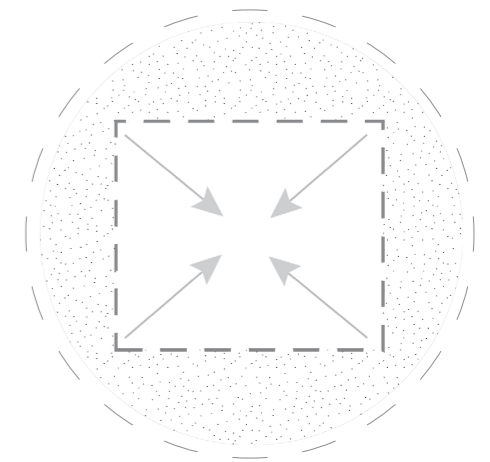


NORTH FACADE

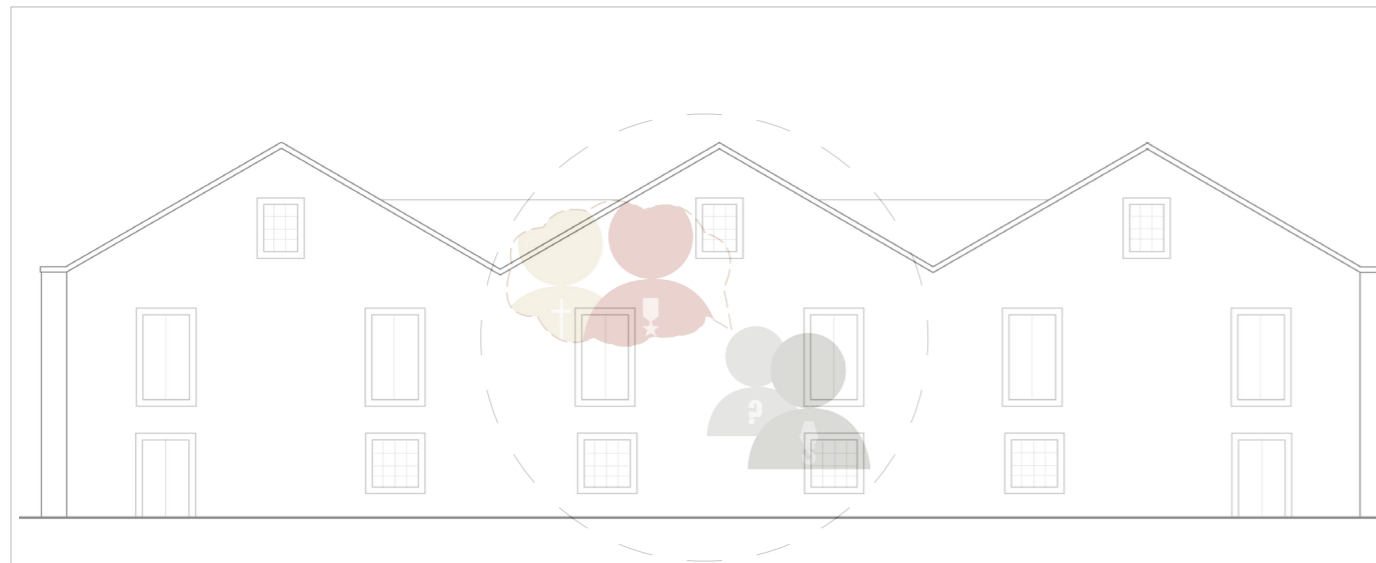


SOUTH FACADE

APPEALING TO SQUARE. NEW LARGE OPENINGS. THICK WALL MAKES POSSIBLE WITHOUT LOSING INTROVERT CHARACTER. THE STYLE IS BASED ON A MODERN STYLE AND BRINGING BACK THE FORMER ATMOSPHERE.



SOUTH FACADE



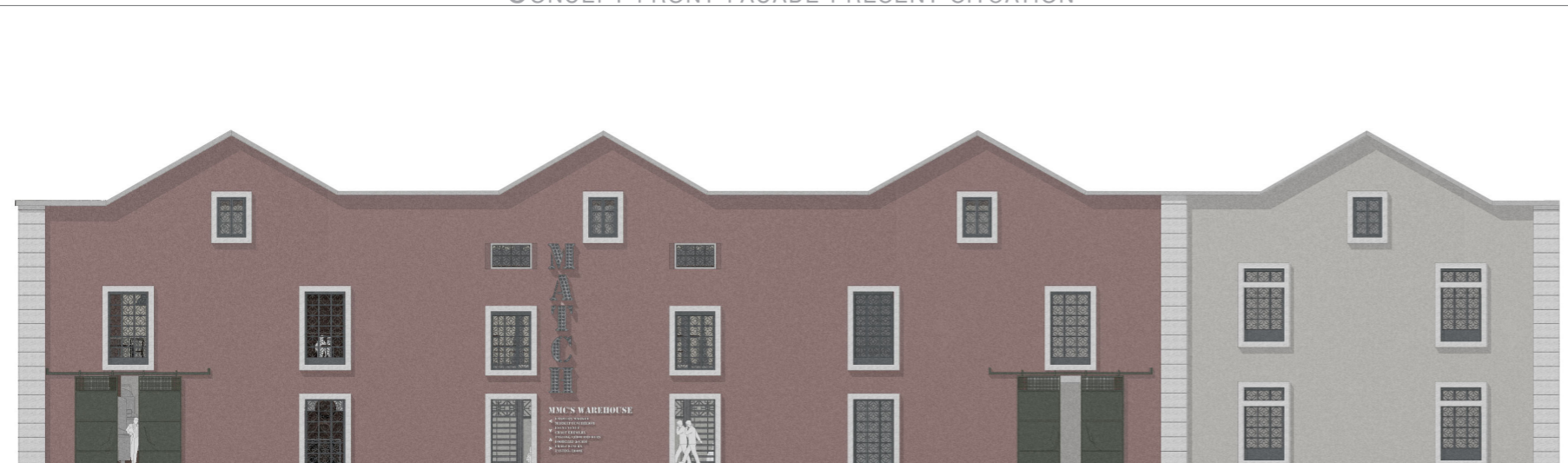
SPATIAL CHARACTER

Use DIRECTION  
 VOLUMES  
 MORE INVITING  
 EXTERIOR  
 FORMER FACADE WITH  
 OPENINGS TOWARDS THE  
 WATER. PITCHED ROOF  
 NOW: HIDDEN UNDERNEATH  
 ADDITIONS AND RUBBISH  
 New  
 CONCEPT: BRING BACK  
 FORMER ATMOSPHERE WITH  
 MODERN LOOK

CONCEPT FRONT FACADE PAST SITUATION



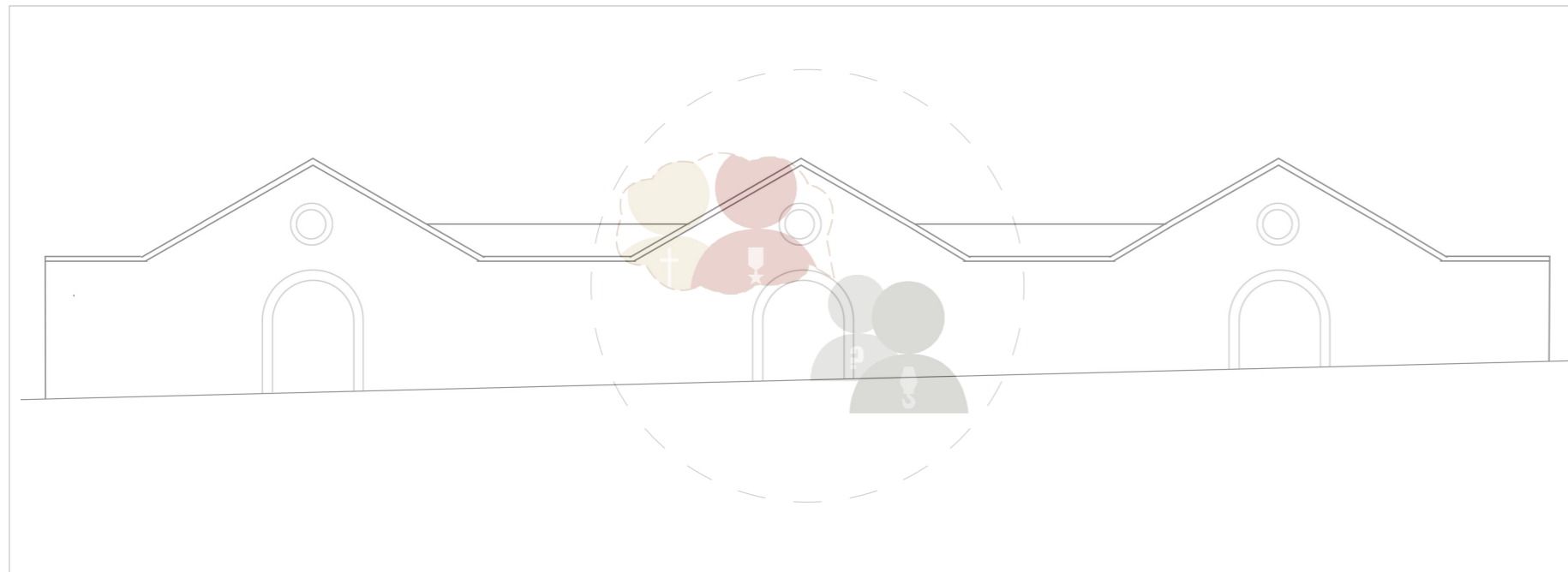
CONCEPT FRONT FACADE PRESENT SITUATION



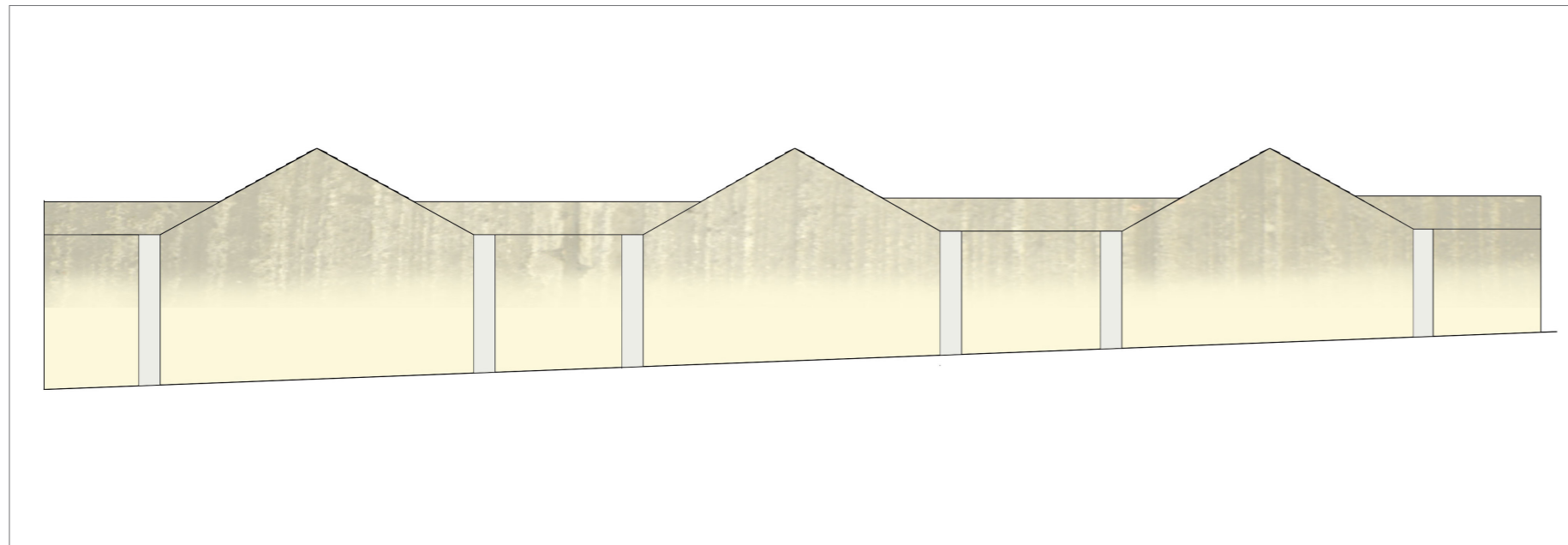
-FRONT: SPACE TO SHOW STRENGTHS  
 -BIG ENTRANCE WITH WINERY SEPARATED

CONCEPT FRONT FACADE NEW SITUATION





CONCEPT BACK FACADE PAST SITUATION

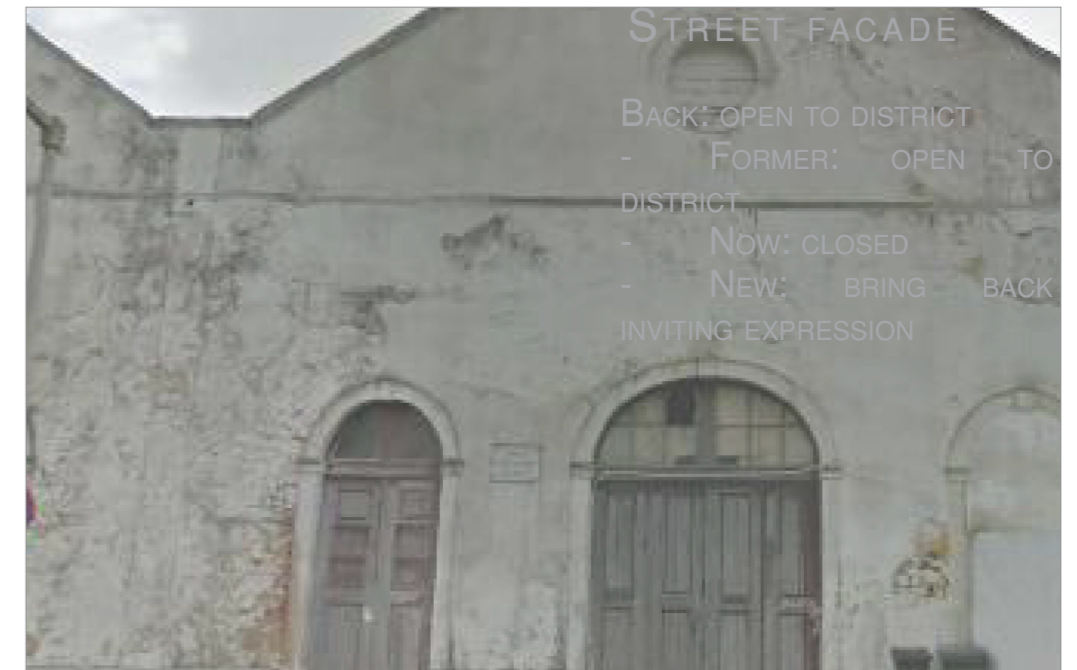


CONCEPT BACK FACADE PRESENT SITUATION



ACCES ROUTES CONNECTING IT TO THE STREET  
CONCEPT: BRING BACK FORMER ATMOSPHERE

CONCEPT BACK FACADE NEW SITUATION



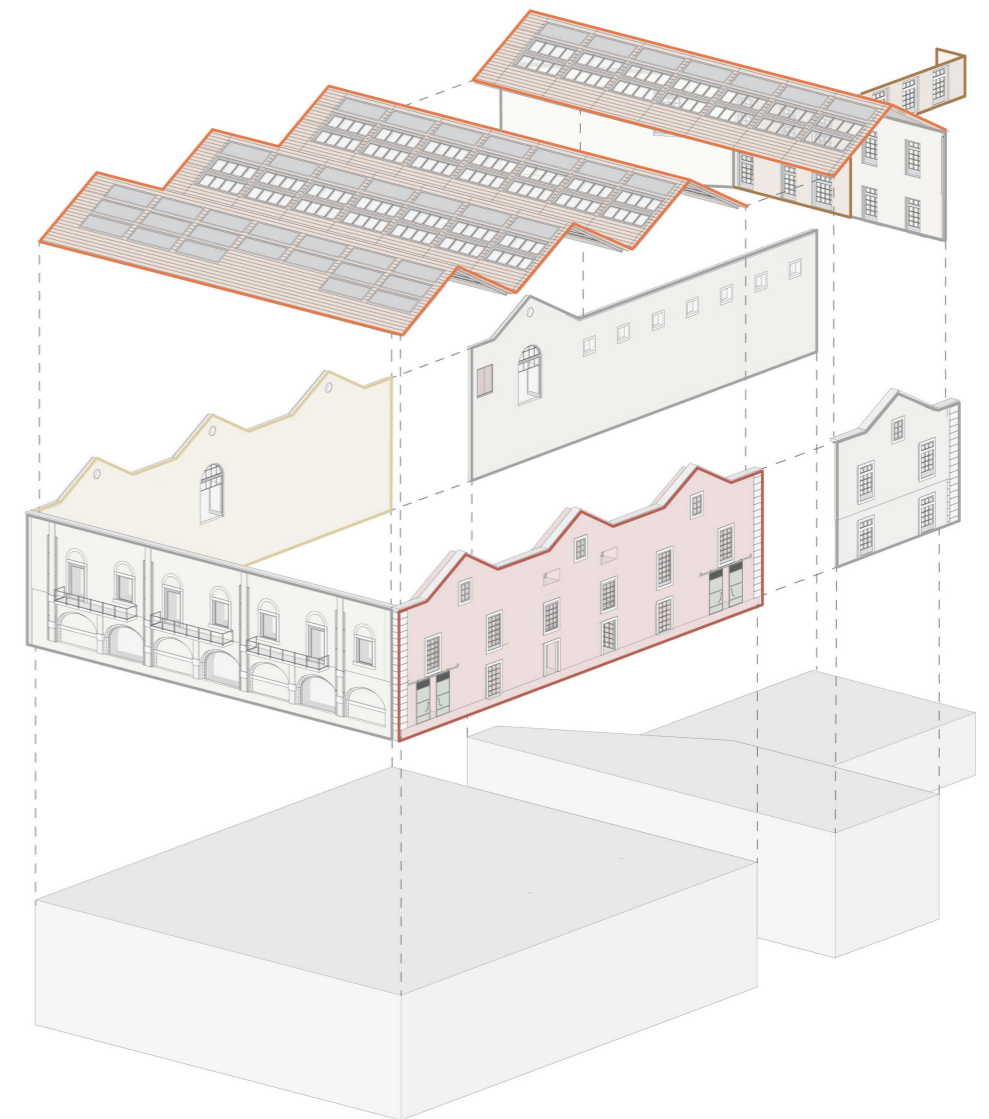
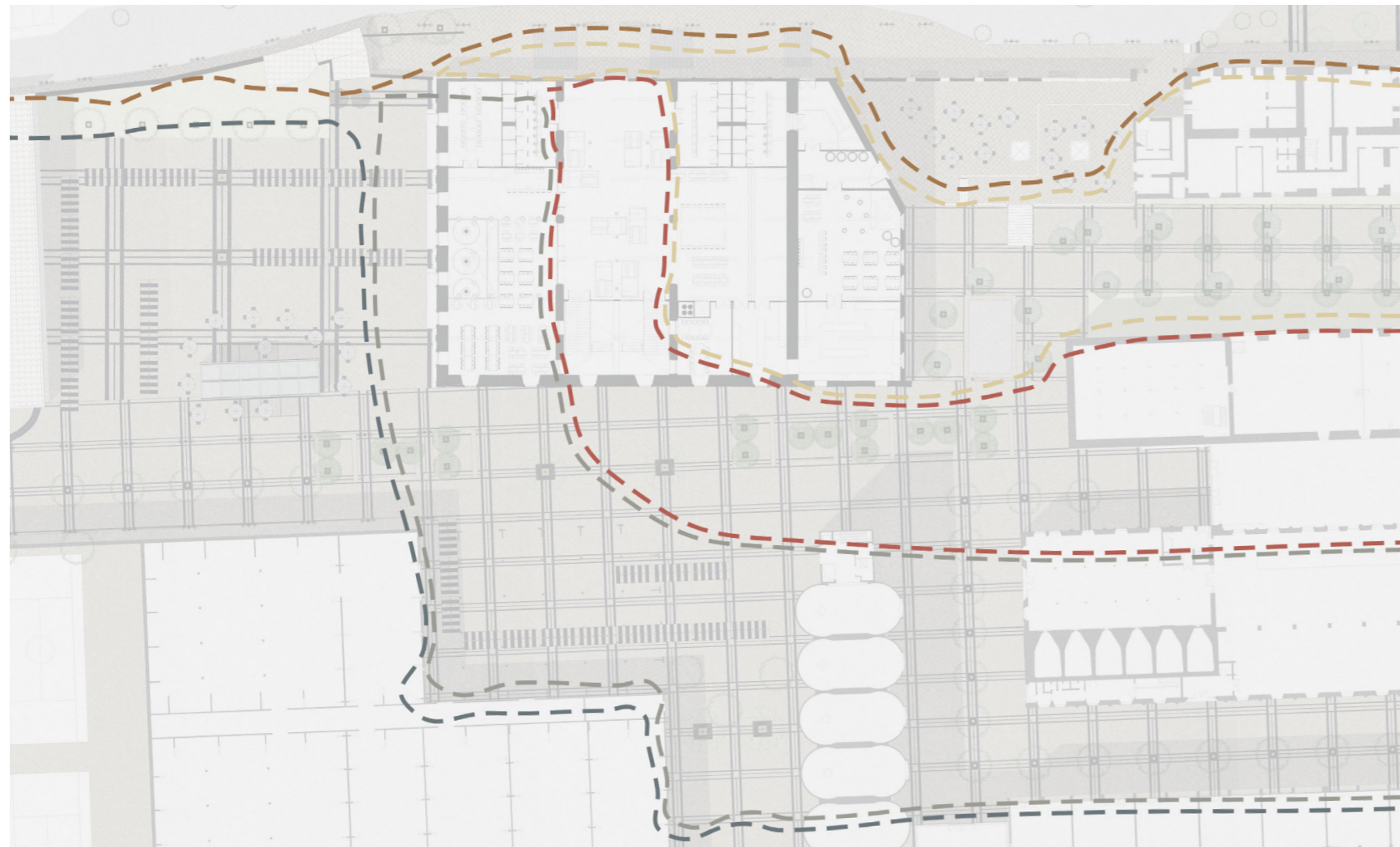
STREET FACADE  
 BACK: OPEN TO DISTRICT  
 - FORMER: OPEN TO DISTRICT  
 - NOW: CLOSED  
 - NEW: BRING BACK INVITING EXPRESSION





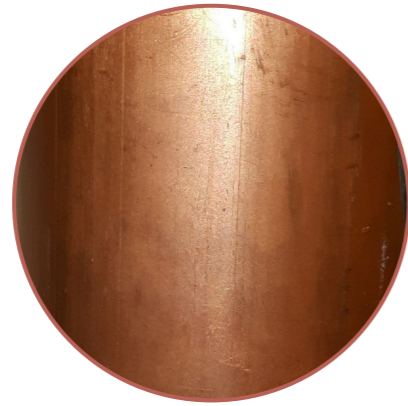
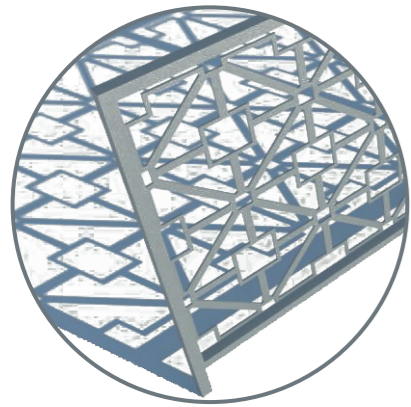
CONCEPT TIME LAYERS

CONCEPT TIJDLAGEN IN GEBOUW AND IN FACADES. CONCEPT MATERIALISATIE IS BASED ON TIME LAYERS TRANSLATED INTO MATERIALS.





SECTION TOWARDS WEST

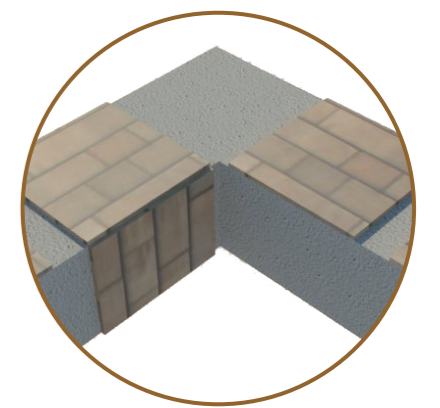
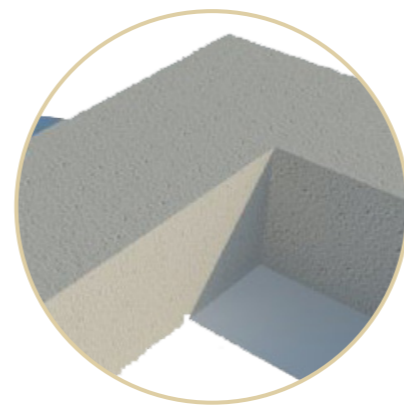
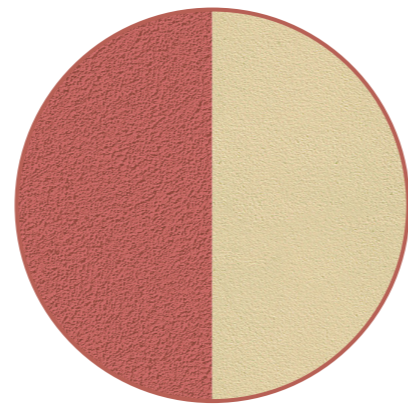
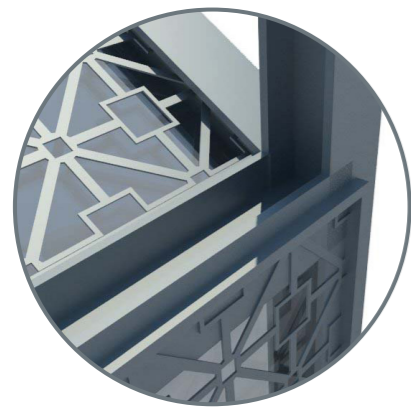


CONCEPT MATERIALISATION

ZONES TRANSLATED IN MATERIAL

WARM SOFT MATERIAL

ABSTRACT COLDER MATERIALS



# TECHNIQUE

## MATCHING TECHNIQUE, ARCHITECTURE & CULTURAL VALUE

### RESEARCH & ANALYSIS

TRANSFORMATION VALUES

### A MODERN MANUFACTURING COMPLEX

DEVELOPMENT COMPLEX  
CULTURAL VALUE  
TRANSFORMATION FRAMEWORK  
STRATEGY  
FUNCTION & USE  
DESIGN CONCEPT

### THE MEETING SPOT

SOCIAL VALUES  
STRATEGY  
SOCIAL COHESION  
FUNCTION & USE  
DESIGN CONCEPT

### MATCH

DEVELOPMENT BUILDING  
TECHNICAL VALUES  
SPATIAL VALUES  
DESIGN CONCEPT  
FUNCTION & USE  
DESIGN EXPRESSION

### TECHNIQUE

TRANSFORMATION CONCEPT  
REFERENCE  
TRANSFORMATION DESIGN  
CLIMATE DESIGN

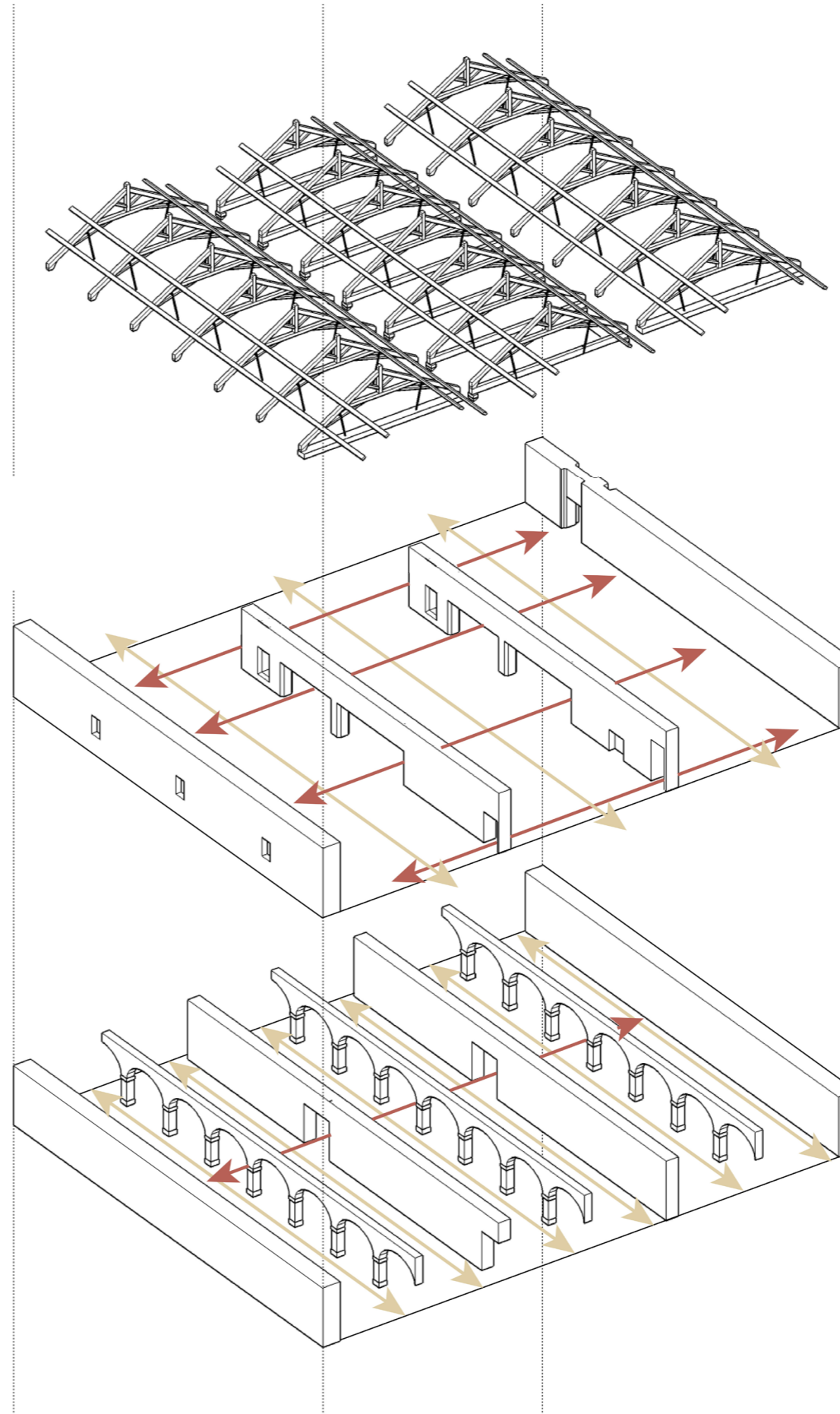
### CONCLUSION

REFLECTION  
CLOSING  
DISCUSSION

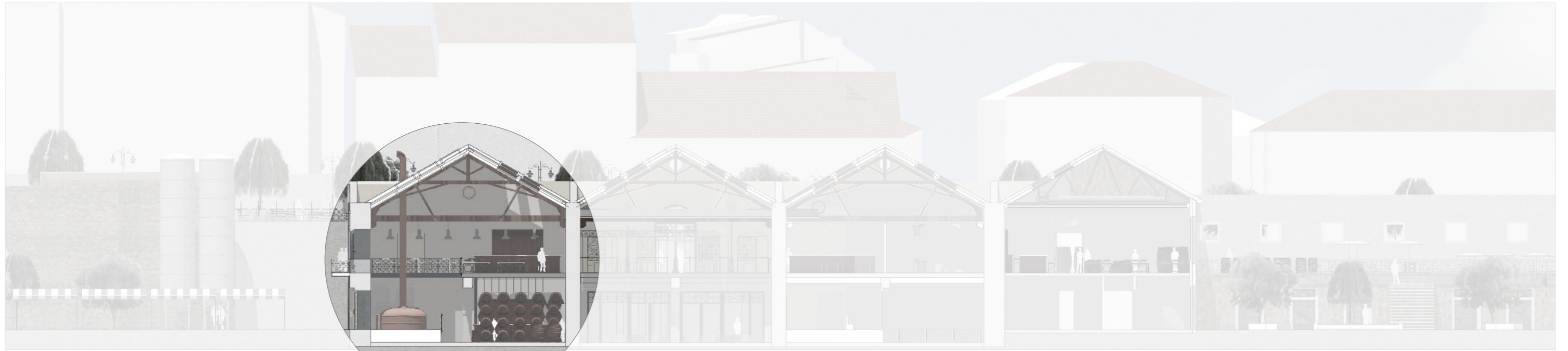
CONSTRUCTION

AUTHENTIC WOODEN TRUSSES, MASSIVE STONE WALLS, DIRECTION BY STRUCTURE ARE VALUED TECHNOLOGICAL ASPECTS.

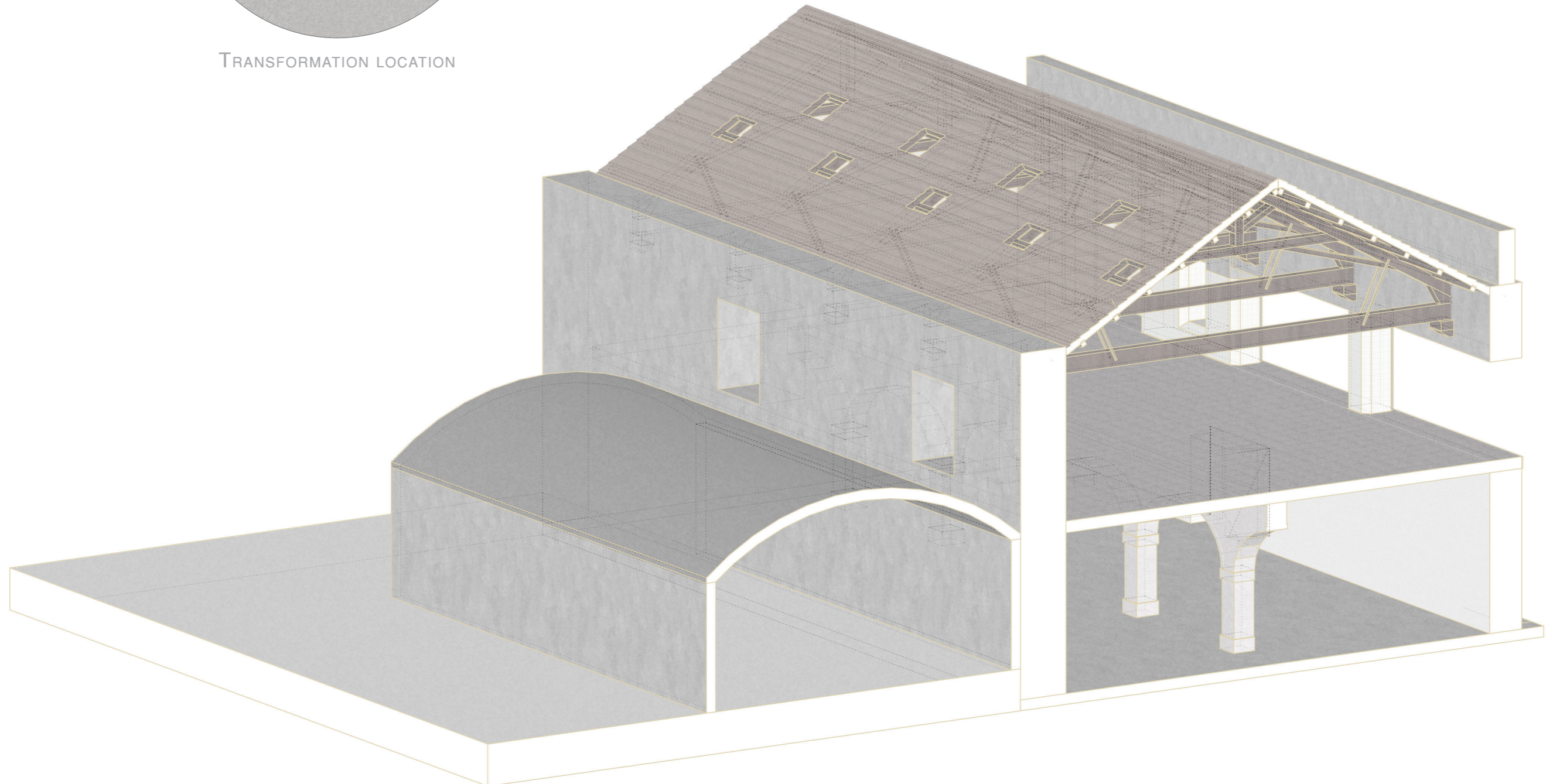
THESE ARE RESPECTED AND USED AS A CENTRAL PART OF THE DESIGN.



CONCEPT DRAWING CONSTRUCTION



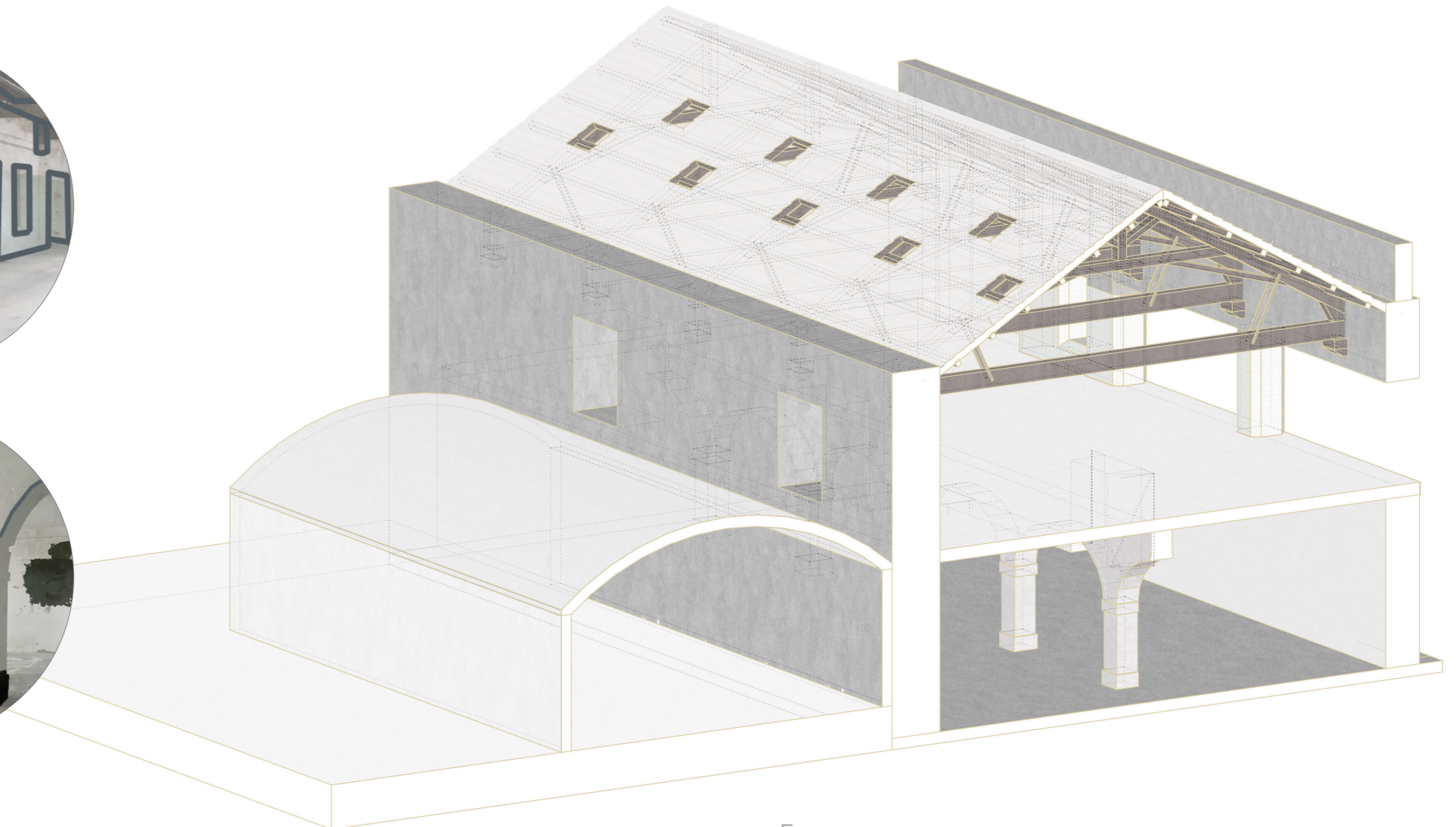
TRANSFORMATION LOCATION



CULTURAL VALUES  
TECHNICAL

\*UITLEG HOE DIE  
PUNTEN IN DE  
MAQUETTE ZITTEN

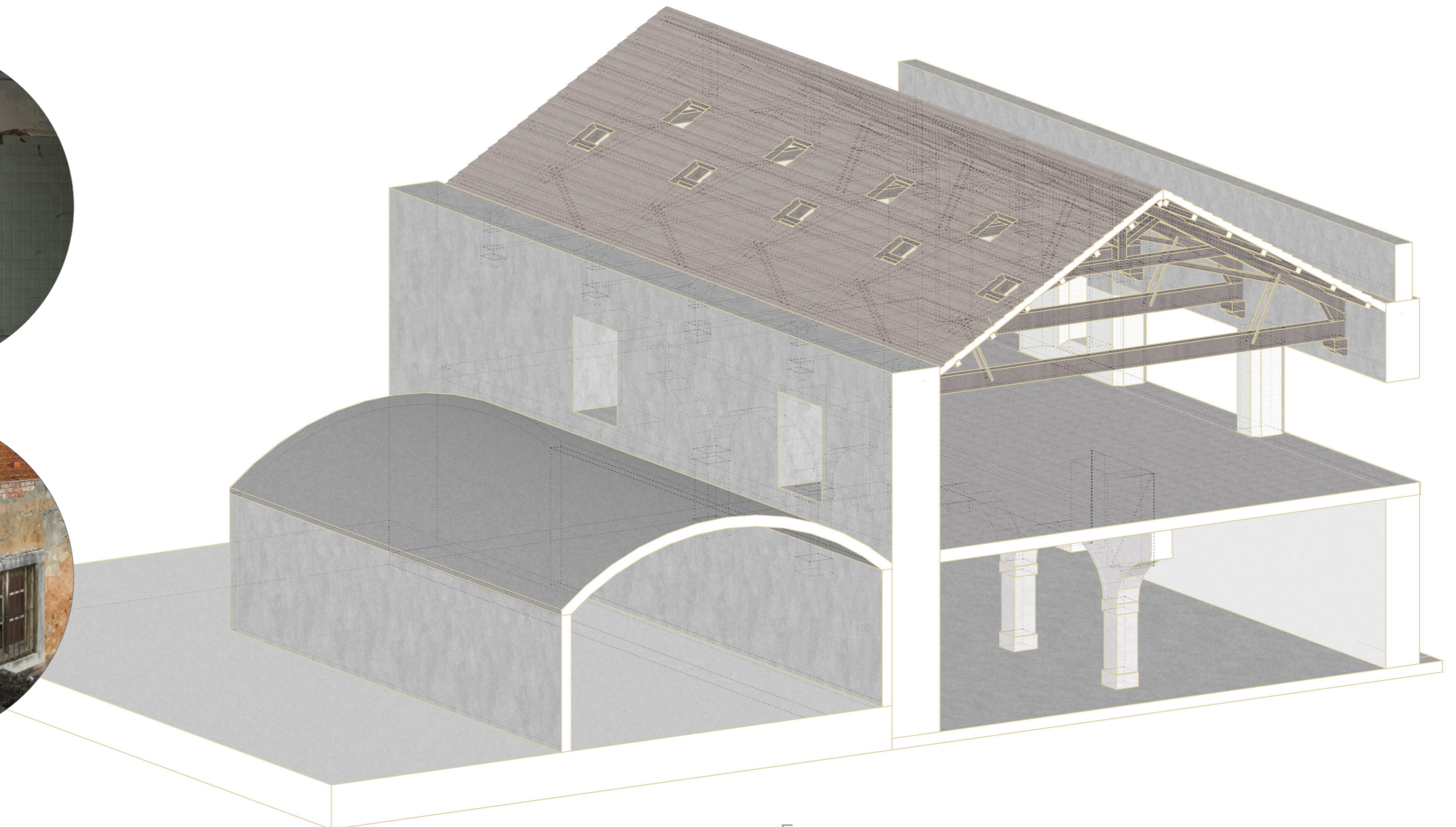
- PRIMARY CONSTRUCTION
- BIG DIMENSIONS
- TRADITIONAL BUILDING METHOD



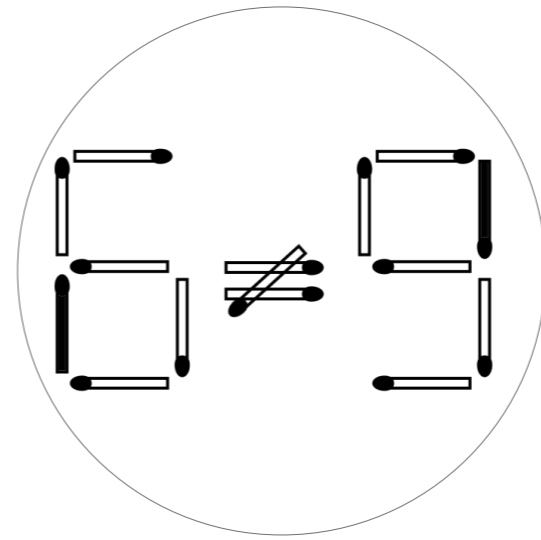
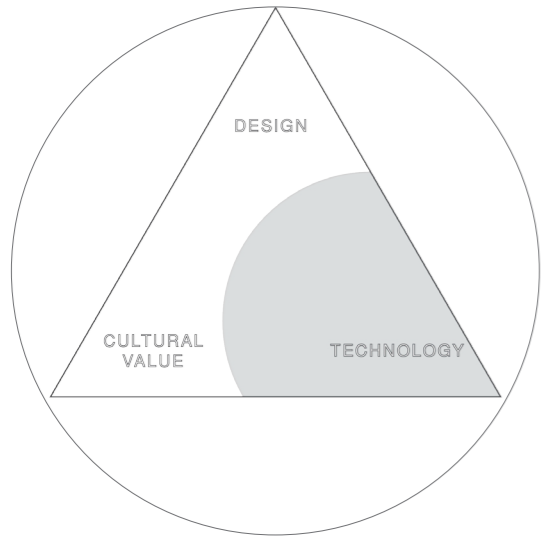
EXISTING SITUATION

D I S T R U P T I V E  
V A L U E S

- DISRUPTIVE VALUES
- COVERED UP BY SIDE VOLUME
  - SMALL WINDOWS
  - DAMAGED FAÇADE



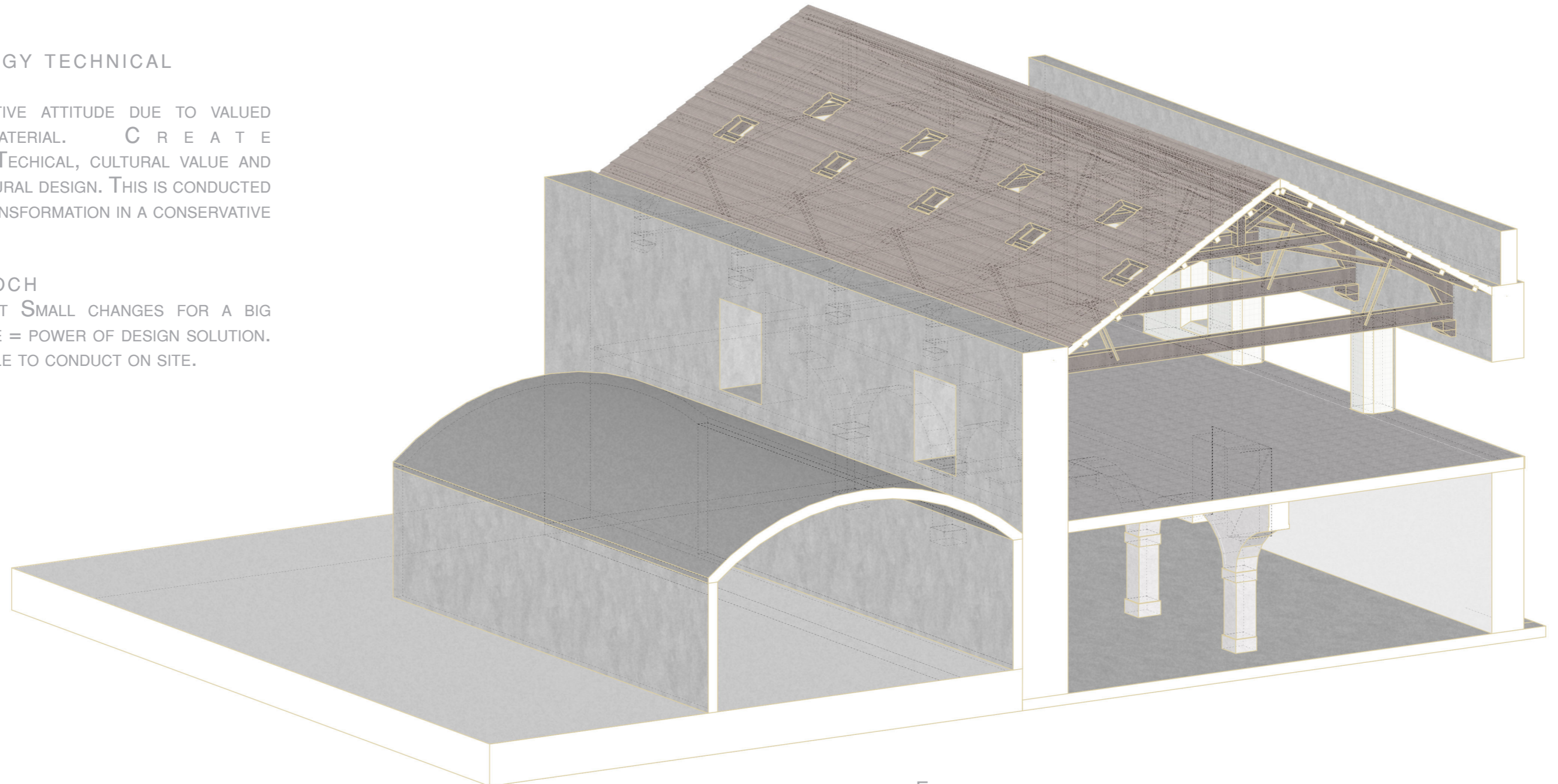
EXISTING SITUATION



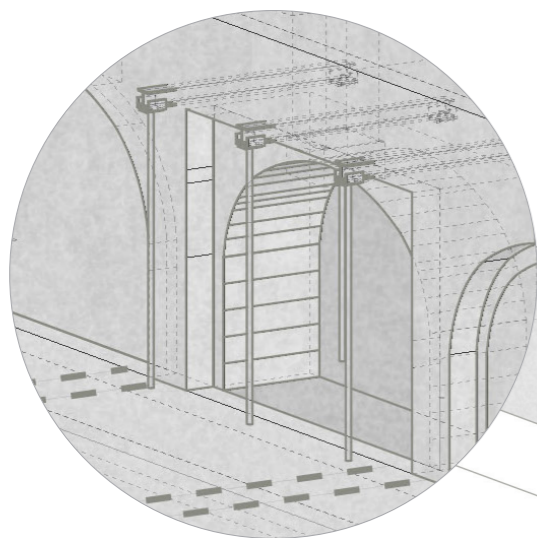
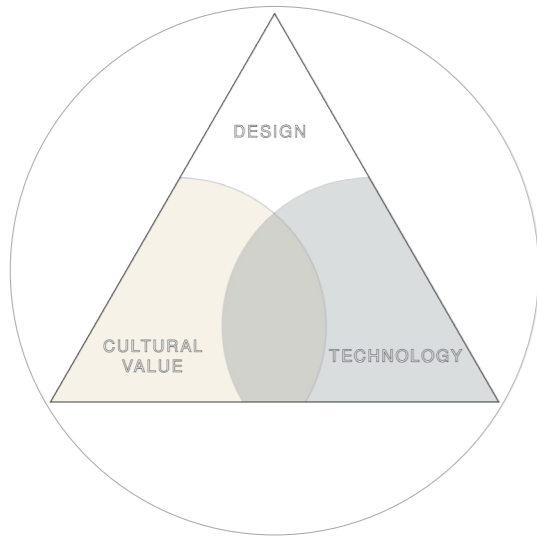
**STRATEGY TECHNICAL**

CONSERVATIVE ATTITUDE DUE TO VALUED TANGIBLE MATERIAL. **C R E A T E** RELATION TECHNICAL, CULTURAL VALUE AND ARCHITECTURAL DESIGN. THIS IS CONDUCTED BY THE TRANSFORMATION IN A CONSERVATIVE WAY.

**APPROACH**  
SHOW THAT **S**SMALL CHANGES FOR A BIG DIFFERENCE = POWER OF DESIGN SOLUTION. ALSO SIMPLE TO CONDUCT ON SITE.



EXISTING SITUATION

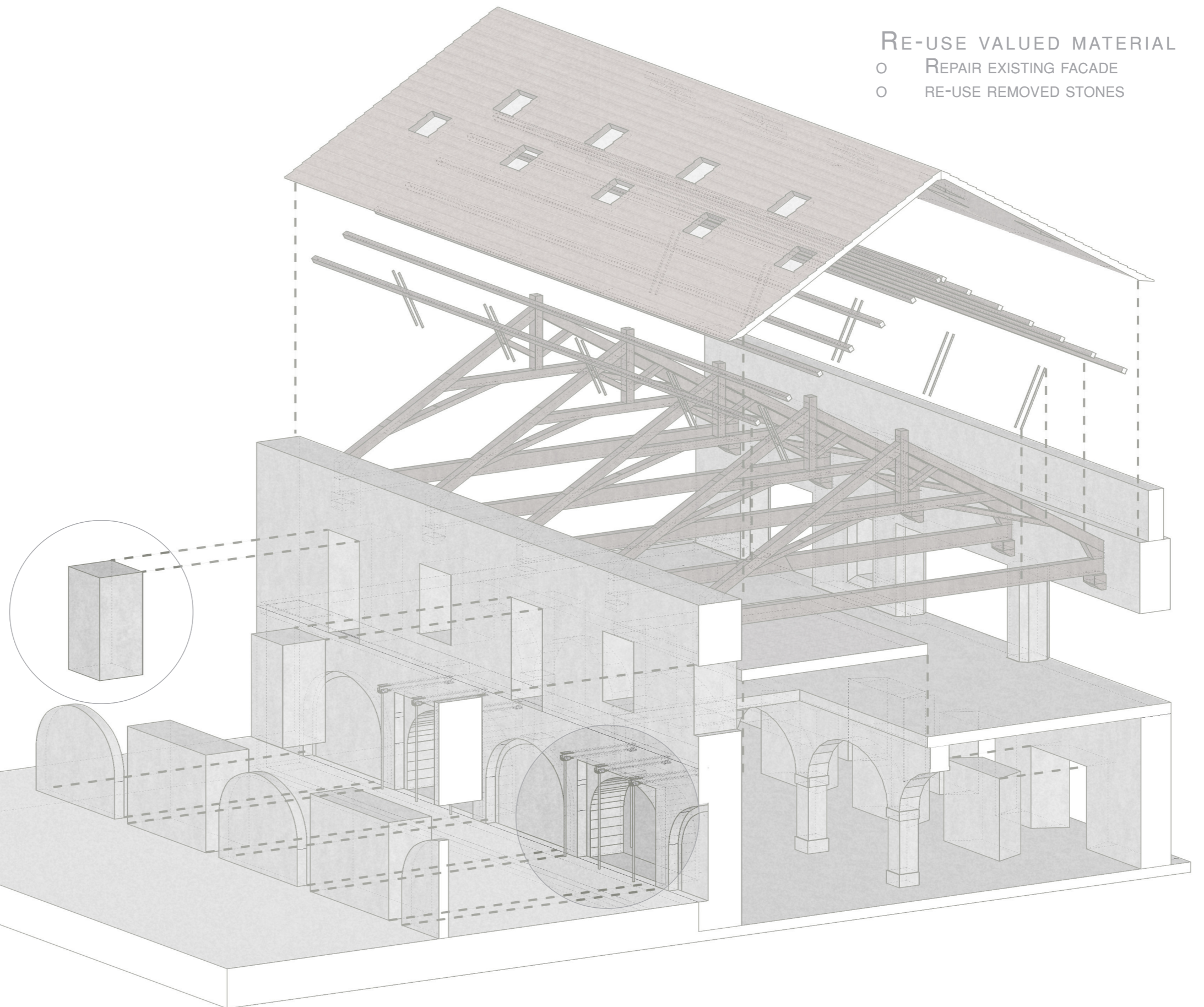


REMOVE ELEMENTS

- SUBTRACT TO ENHANCE HIDDEN QUALITY
- OPEN UP SIDE WALL

RE-USE VALUED MATERIAL

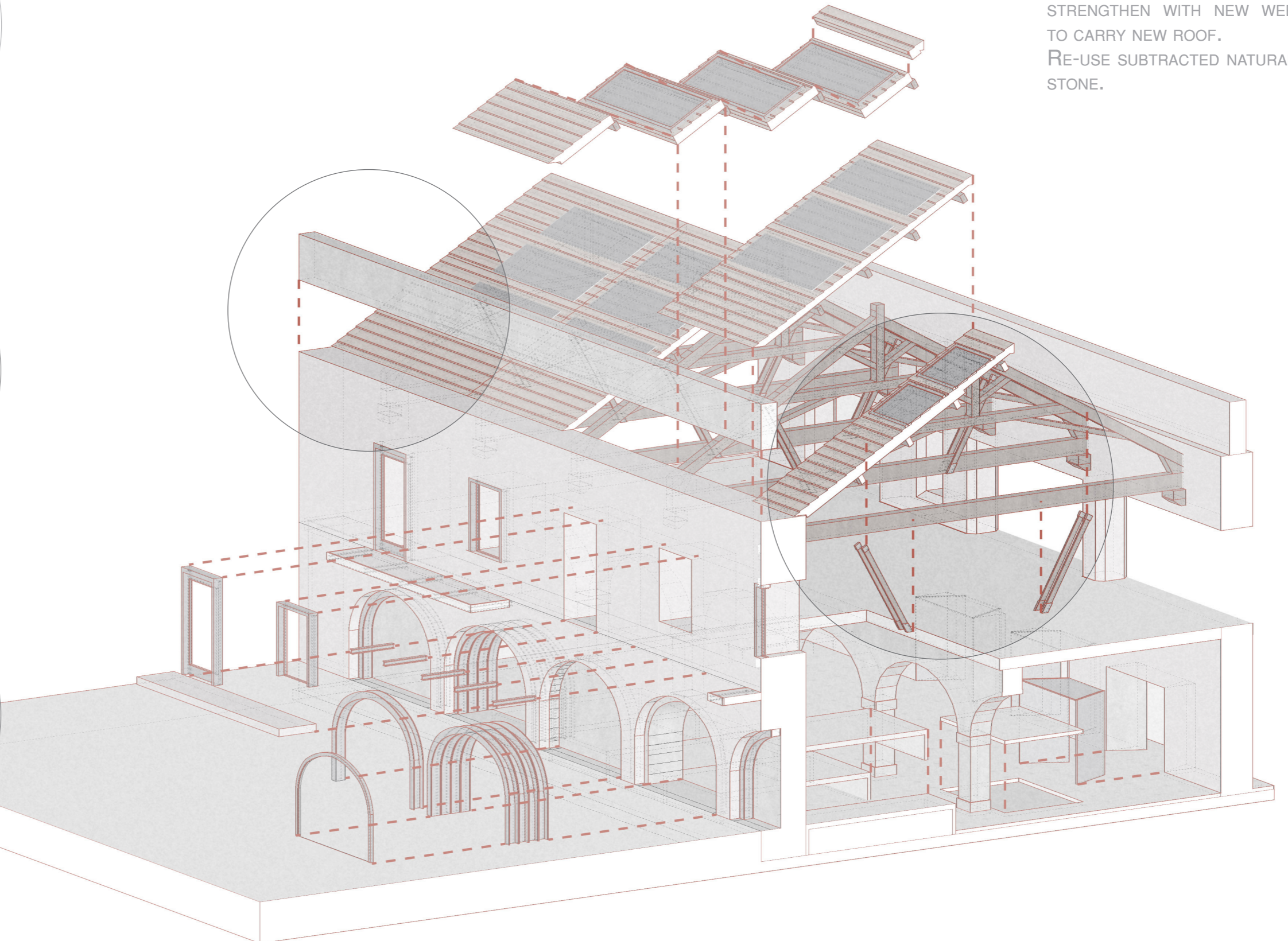
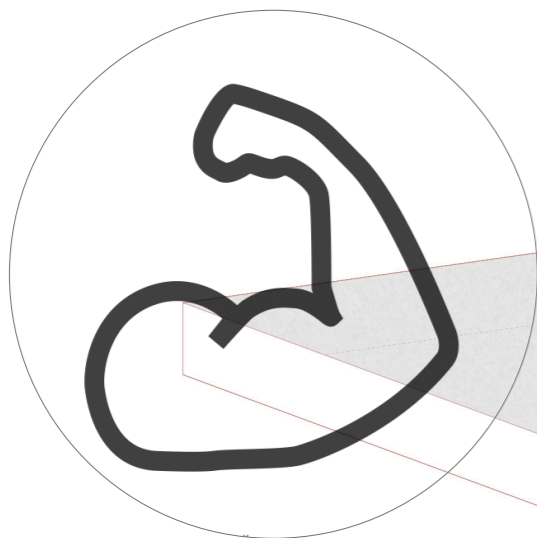
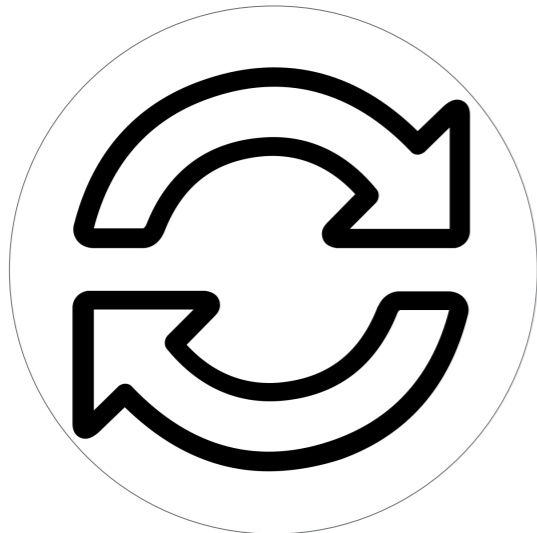
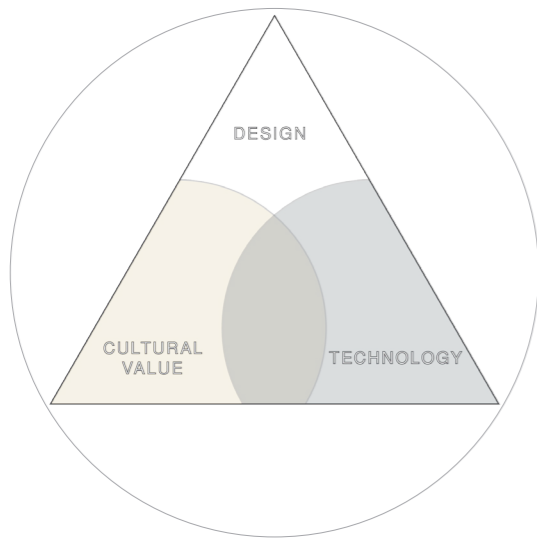
- REPAIR EXISTING FACADE
- RE-USE REMOVED STONES



SUBSTRACTION ELEMENTS

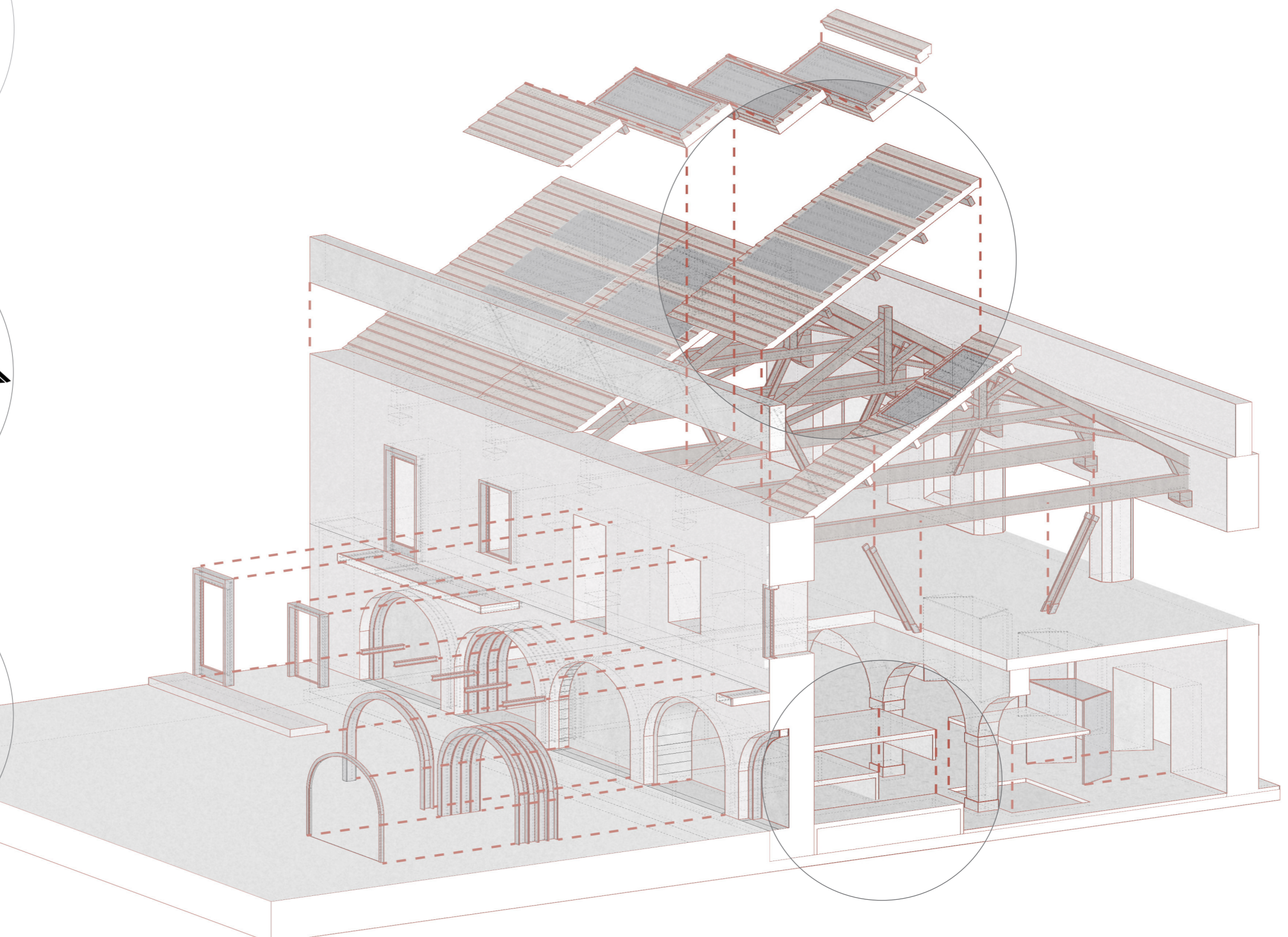
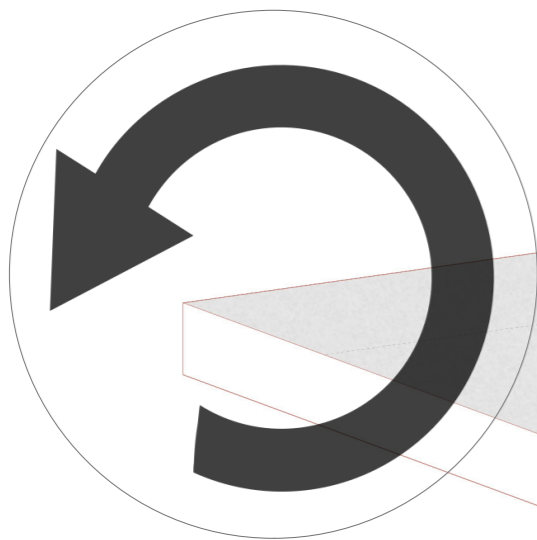
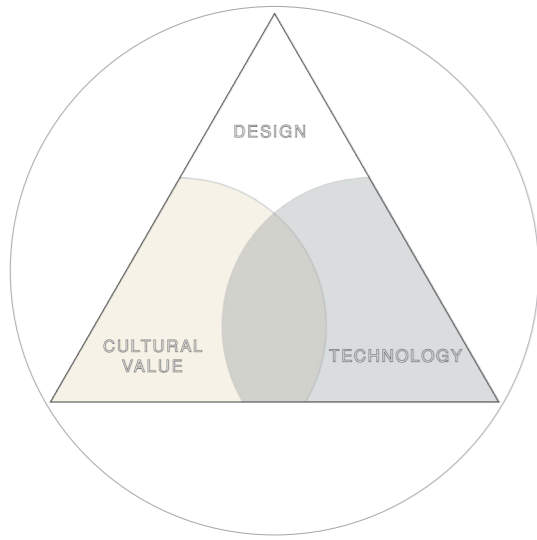
**METHOD**  
RE-USE & RESPECT EXISTING BUILDING.

**RE USE VALUED FABRIC**  
NEW CONSTRUCTION: SERVING VALUED EXISTING FABRIC.  
**IMPROVE TRUSSES ROOF:** STRENGTHEN WITH NEW WEB TO CARRY NEW ROOF.  
**RE-USE SUBTRACTED NATURAL STONE.**



ADDING ELEMENTS

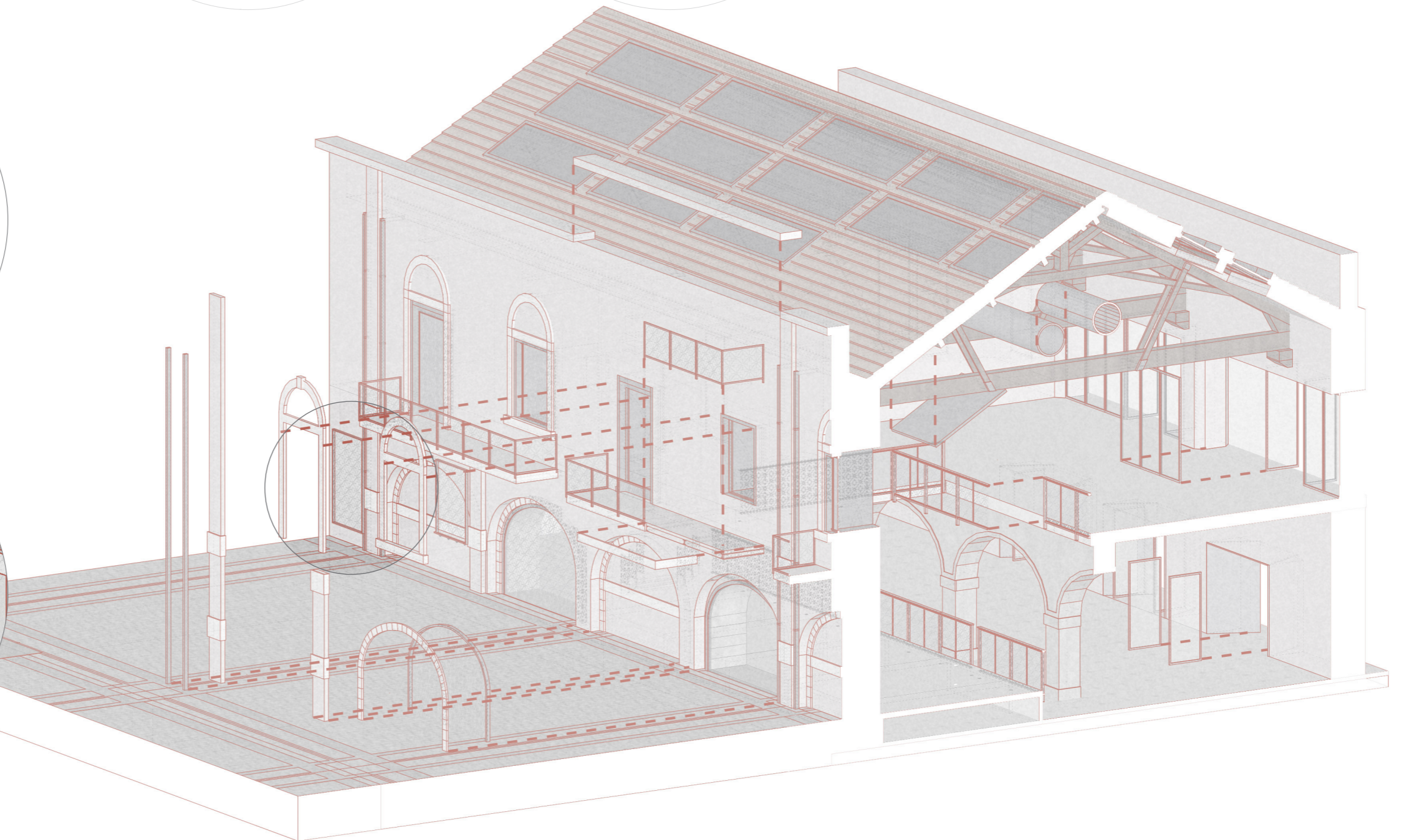
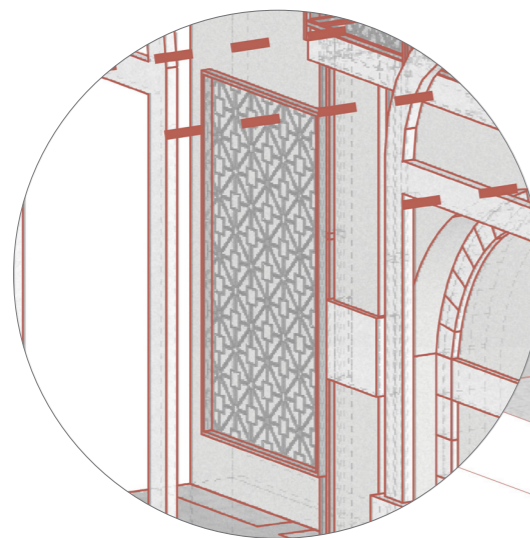
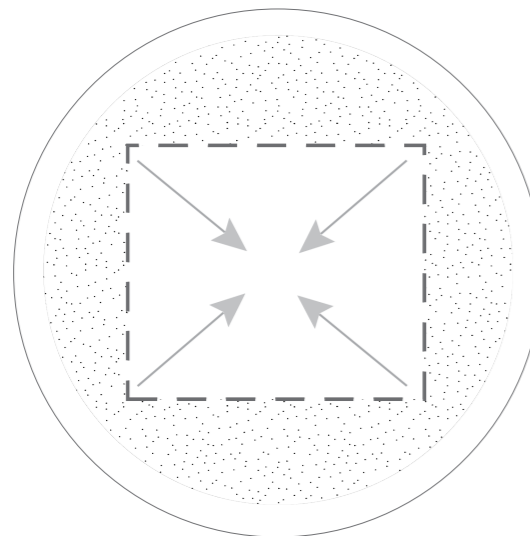
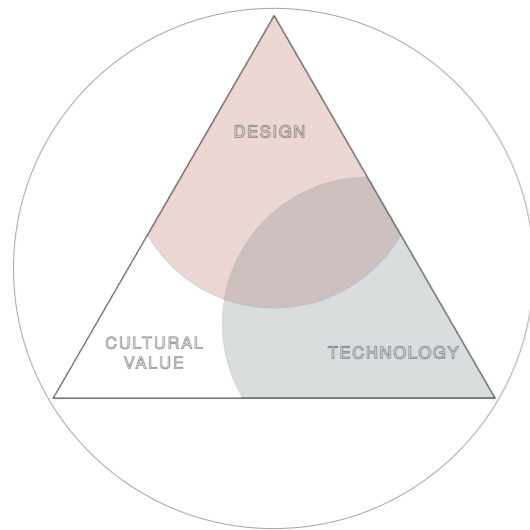
**CONCEPT**  
**PREFAB ELEMENTS:** SIMPLE TO CONDUCT ON SITE. **REMOVABLE:** LOOSE ELEMENTS SO IT CAN BE BROUGHT BACK TO ITS FORMER STATE WITHOUT DAMAGING THE EXISTING TOO MUCH.



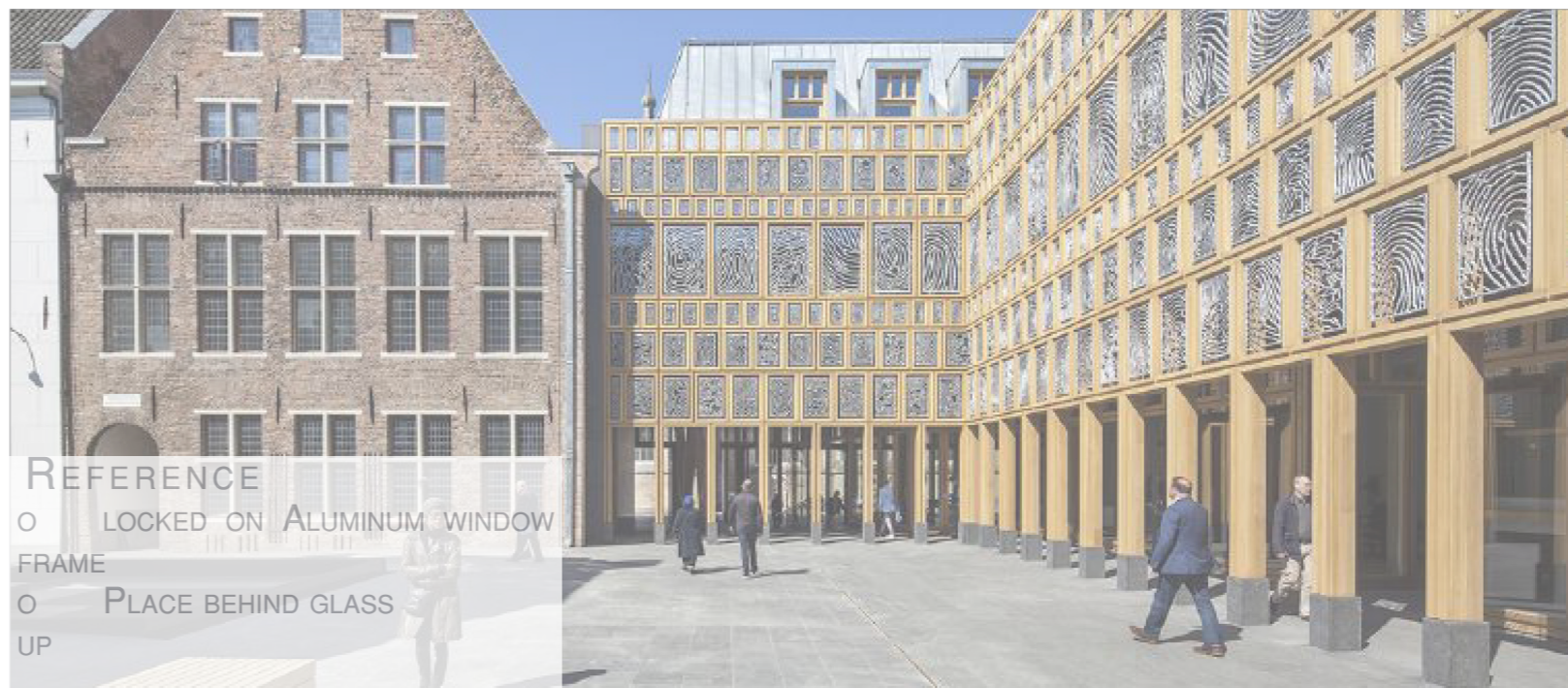
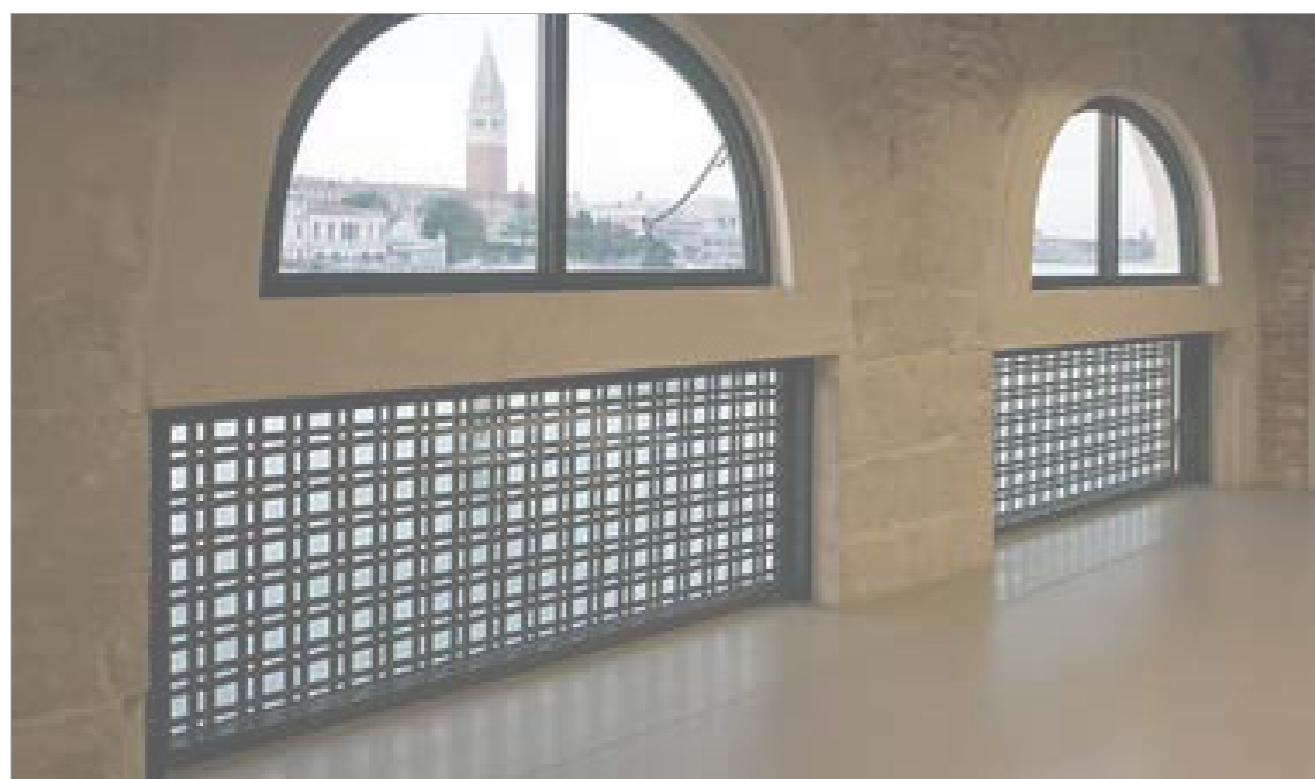
ADDING ELEMENTS

ADDING DETAILING  
EASILY MONTAGE ON SITE  
BY WORKERS. TECHNICAL  
SOLUTION SERVES DESIGN.

**BIG OPENINGS**  
OPEN UP & MAINTAIN  
INTROVERT CHARACTER WITH  
GRID SYSTEM FOR BALANCE  
CULTURAL VALUE & DESIGN.



ADDING DETAIL



REFERENCE  
 O LOCKED ON ALUMINUM WINDOW  
 FRAME  
 O PLACE BEHIND GLASS  
 UP





REFERENCE CONCEPT

- REFERENCE CONCEPT:
- BASED ON TILES PORTUGAL
- REFERENCE TO BARS
- BY DAY INTROVERT, BY NIGHT OPENS UP

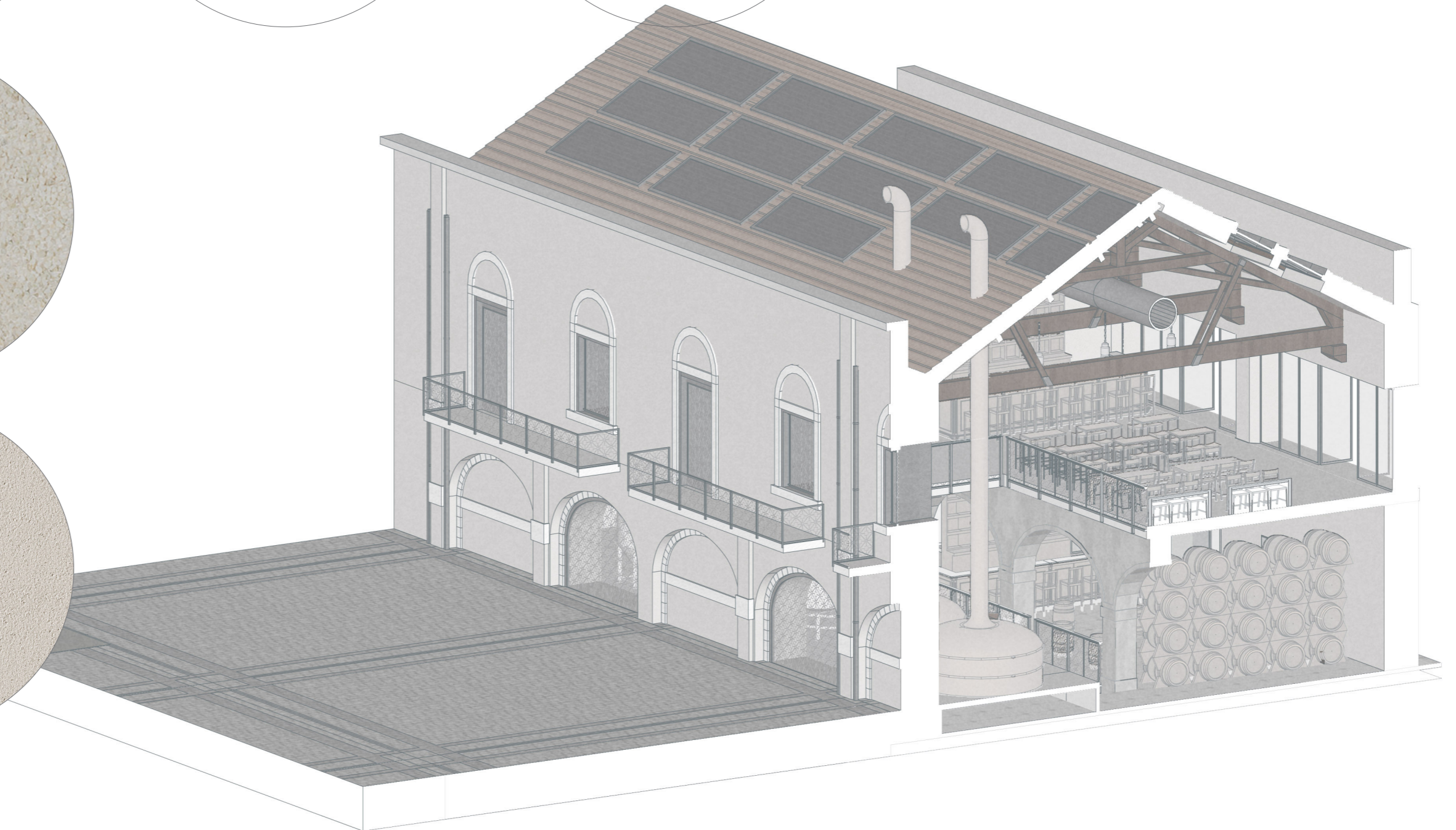
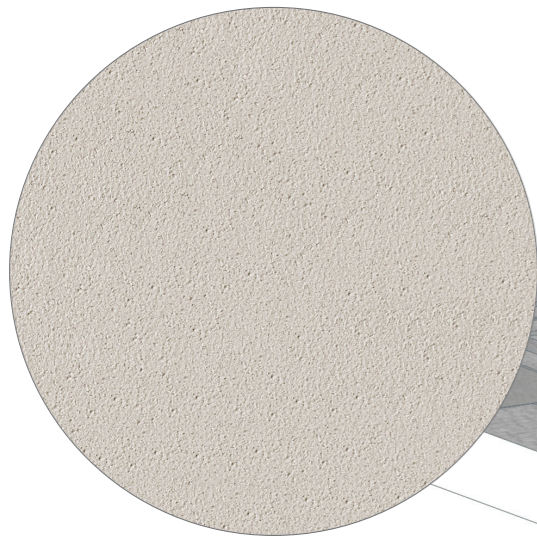
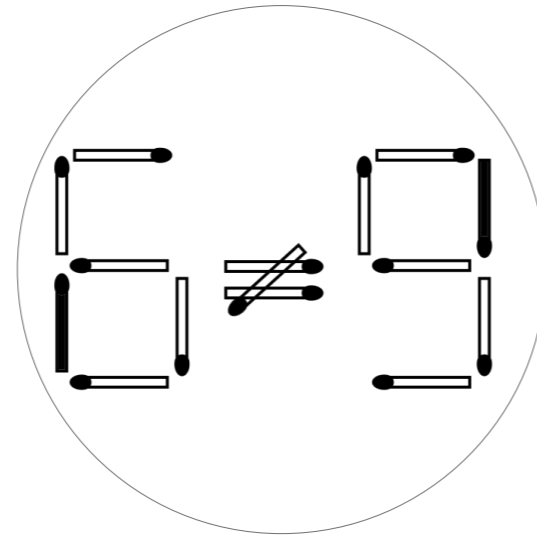
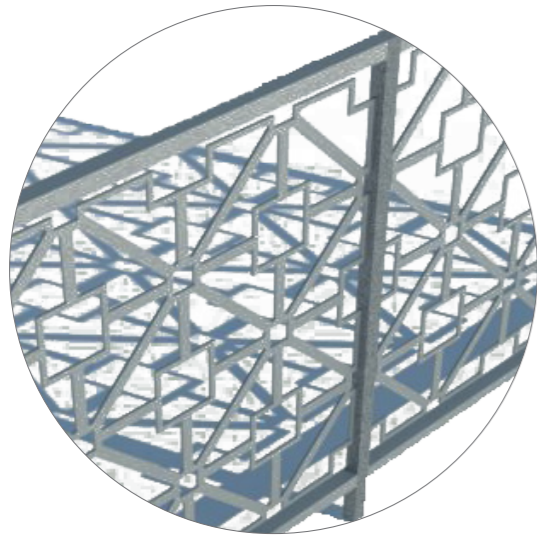


CONCEPT

RELATIVE SIMPLE  
TRANSFORMATION THAT IS  
RESPECTING THE EXISTING.

MATERIALIZATION

COLD MATERIALS: ALUMINUM,  
STUCCO & NATURAL STONE.



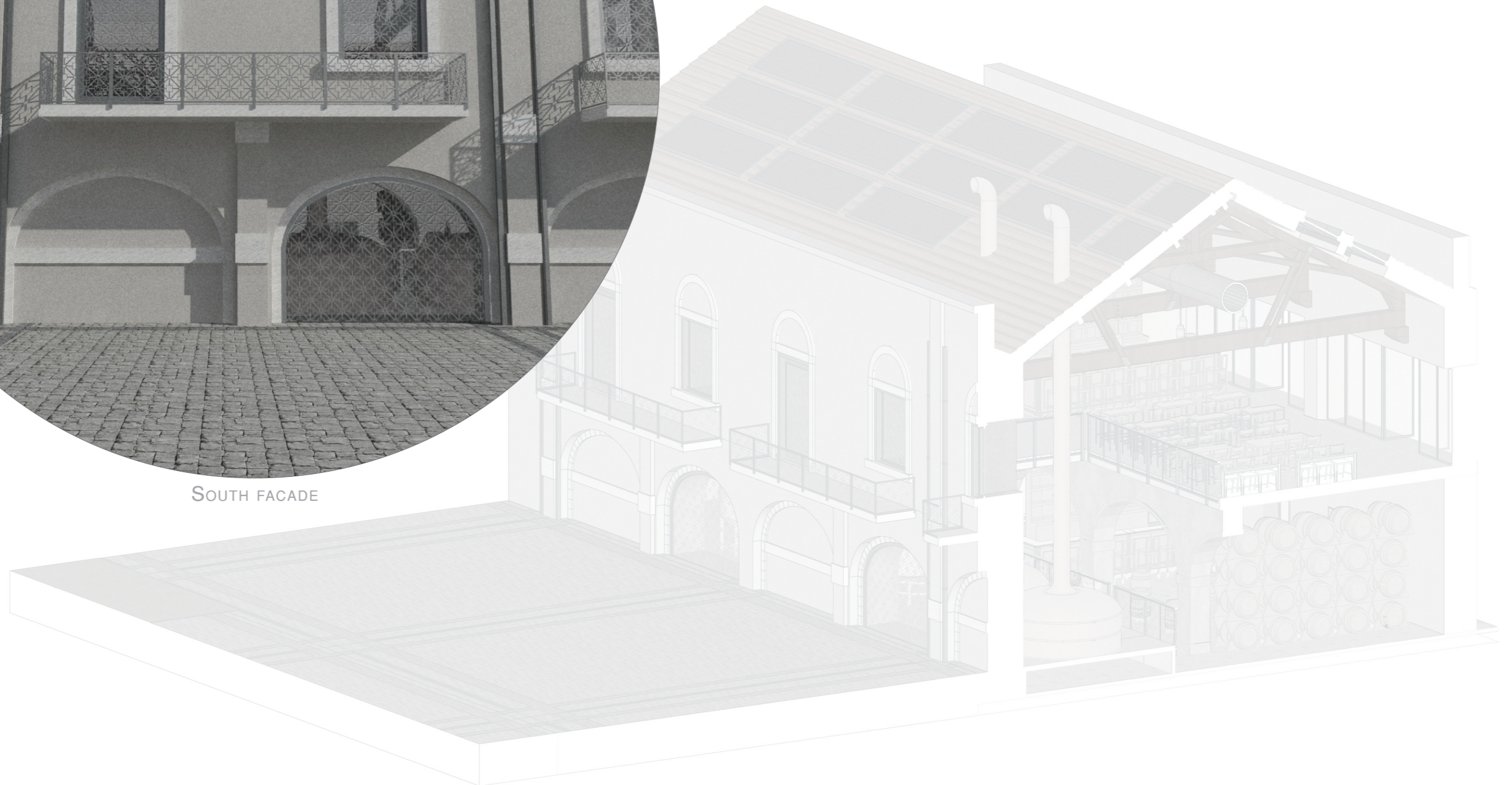
NEW SITUATION

STYLE

- OPENED UP TO SQUARE
- BASED ON MIX BETWEEN  
FORMER ATMOSPHERE & MODERN HARBOR STYLE
- RECOGNITION BELONGS TO THE BUILDING



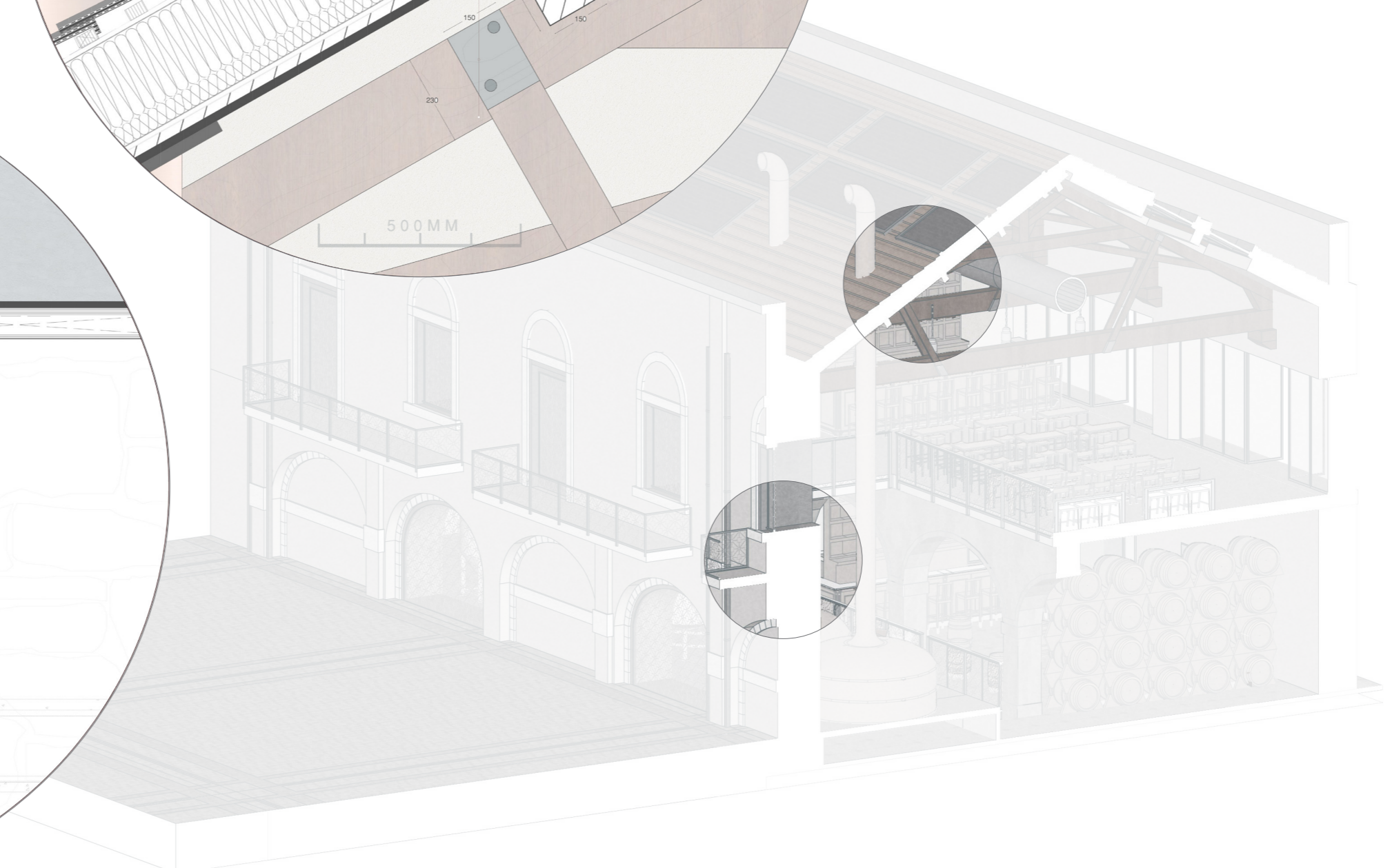
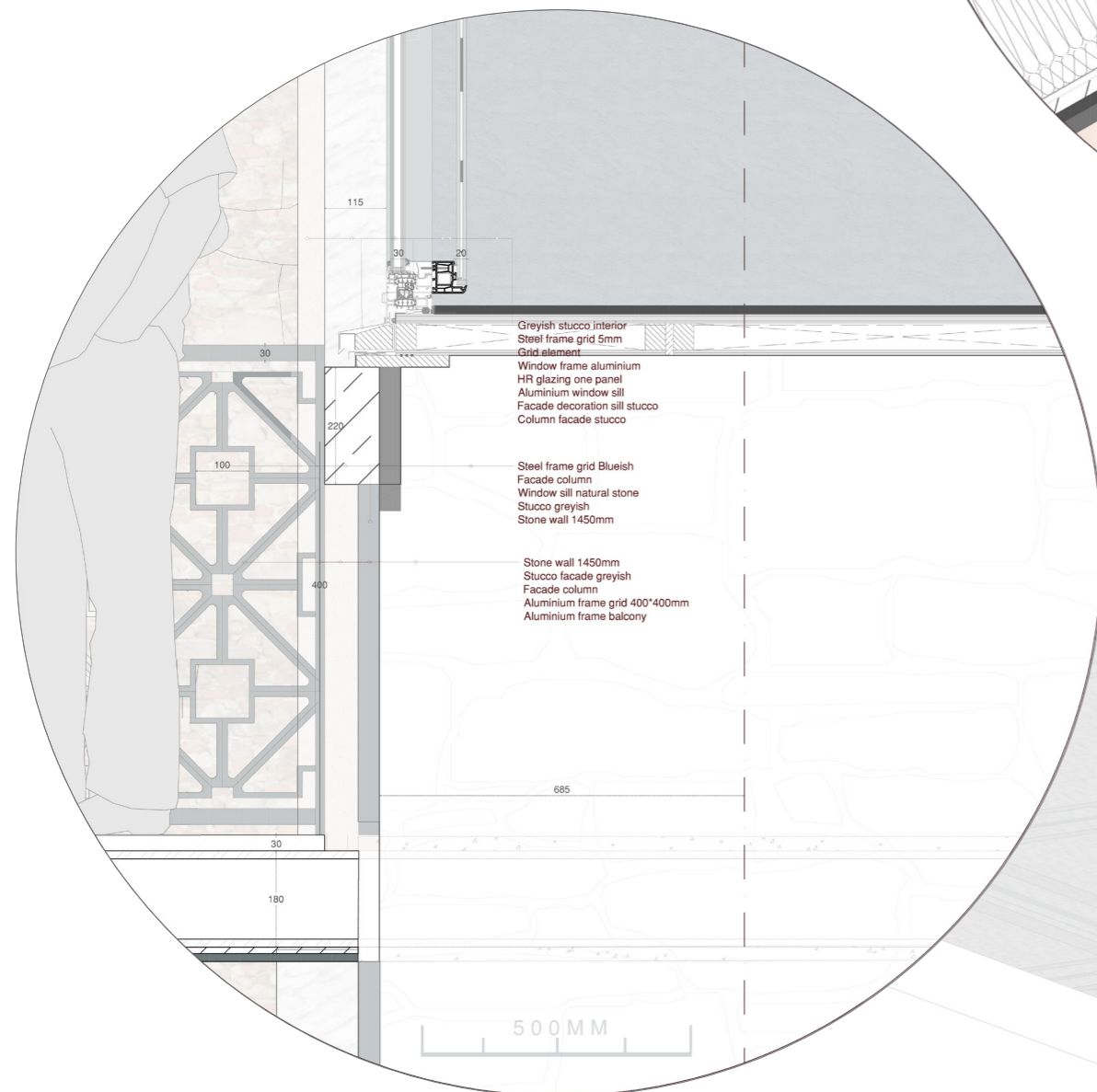
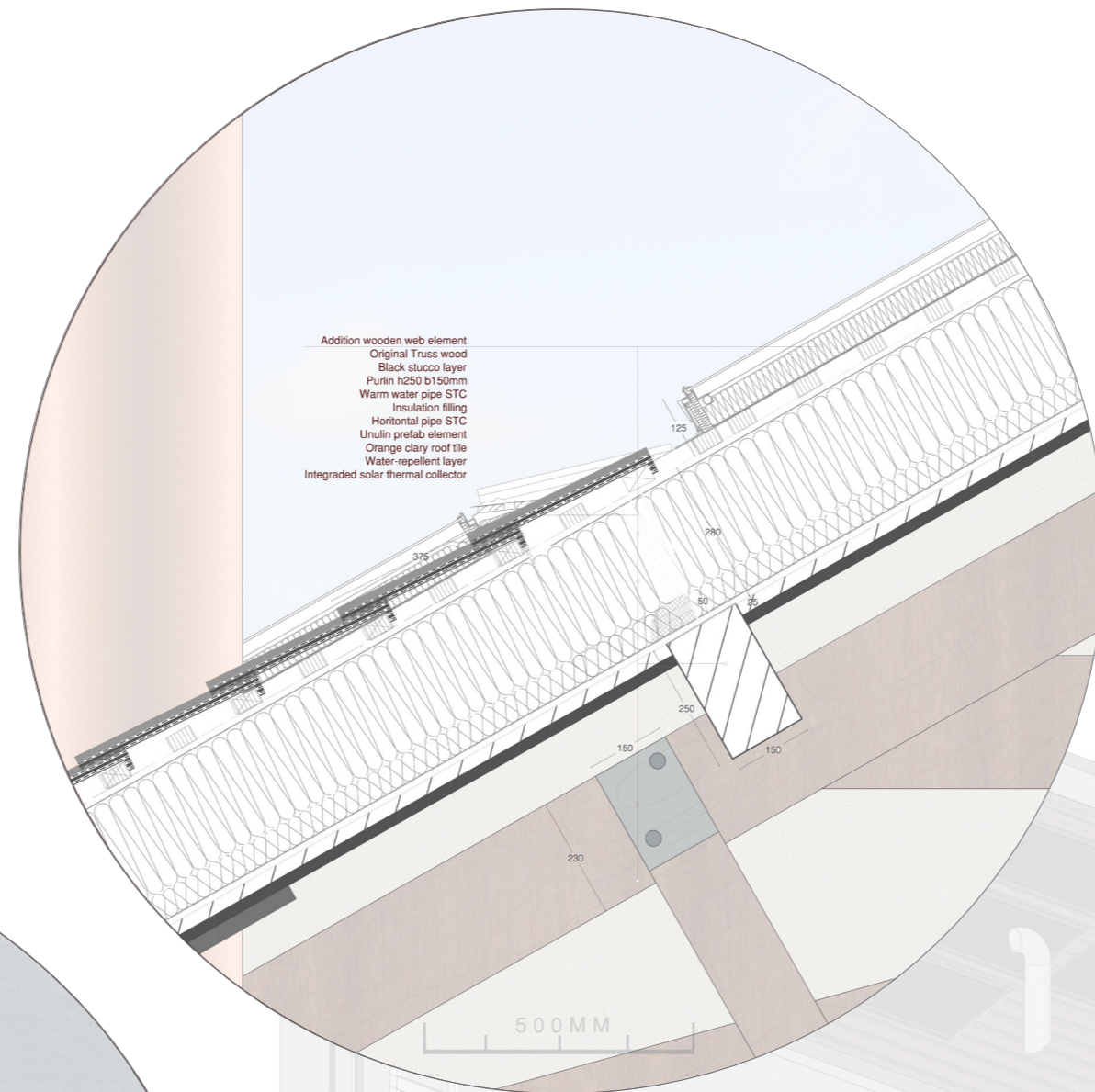
SOUTH FACADE



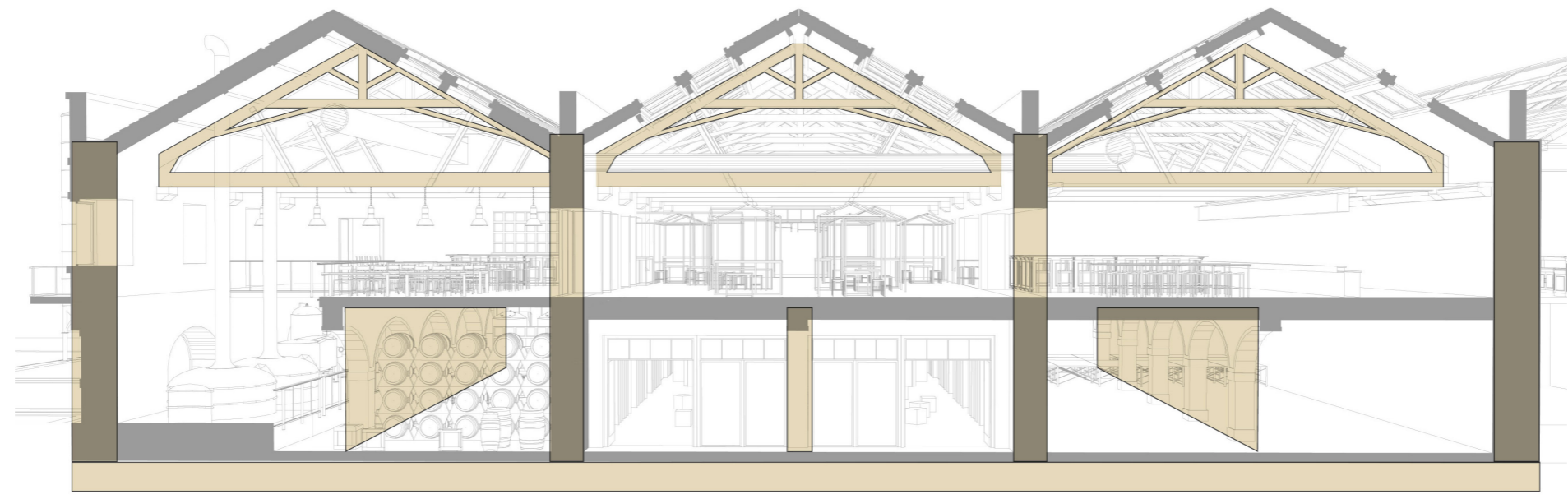
NEW SITUATION

**FAÇADE OPENING**  
 SMALL OPENINGS MAINTAIN  
 INTROVERT CHARACTER.  
 ALUMINUM FRAME AND  
 STUCCO FINISH LAYER.

**ROOF ELEMENT**  
 NEW ROOF CARRIED BY  
 ENFORCED WOODEN TRUSS.  
 ROOF ELEMENTS WITH  
 INTEGRATED SOLAR THERMAL  
 COLLECTOR



NEW SITUATION



PRESERVED CONSTRUCTION

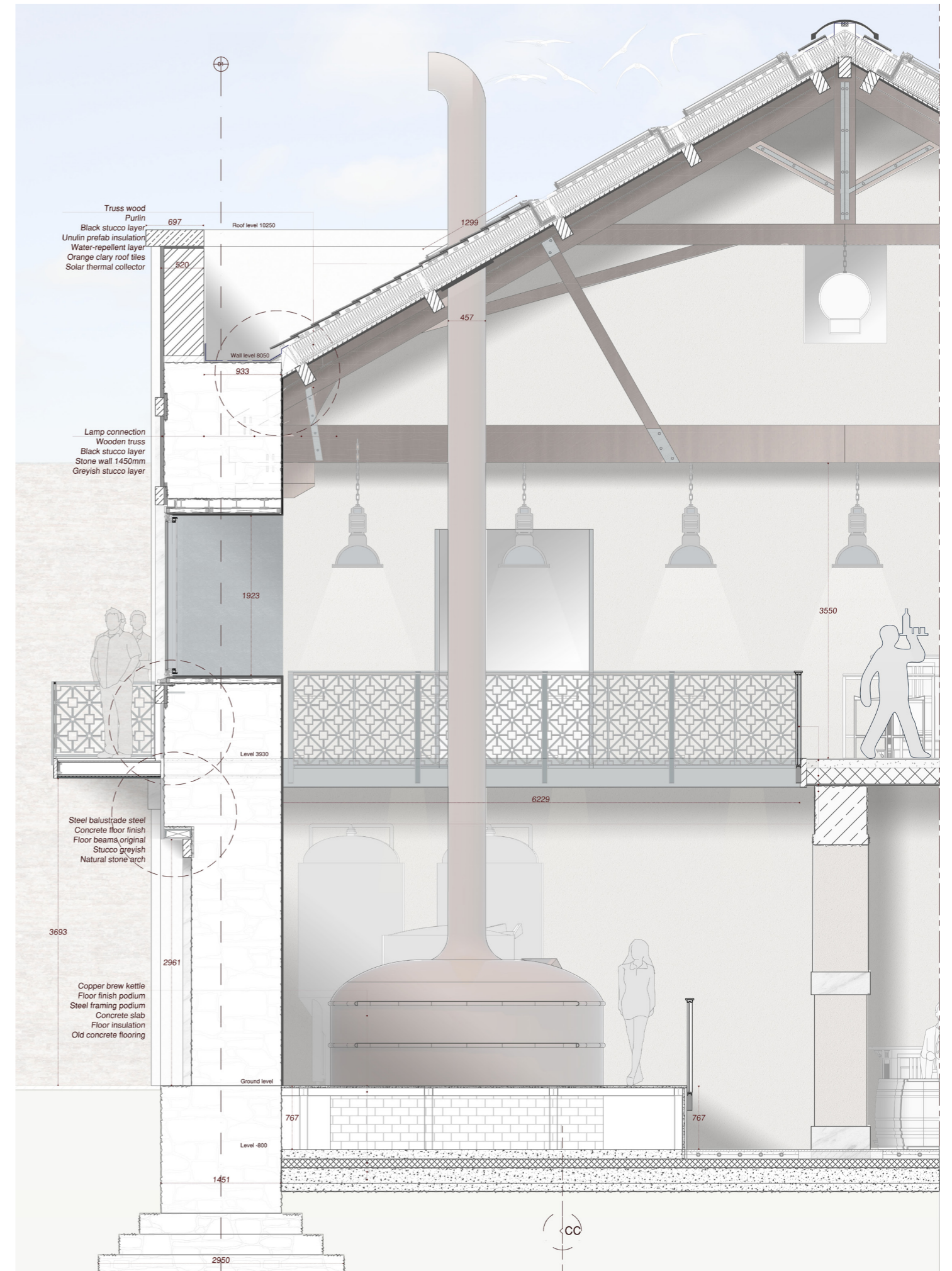
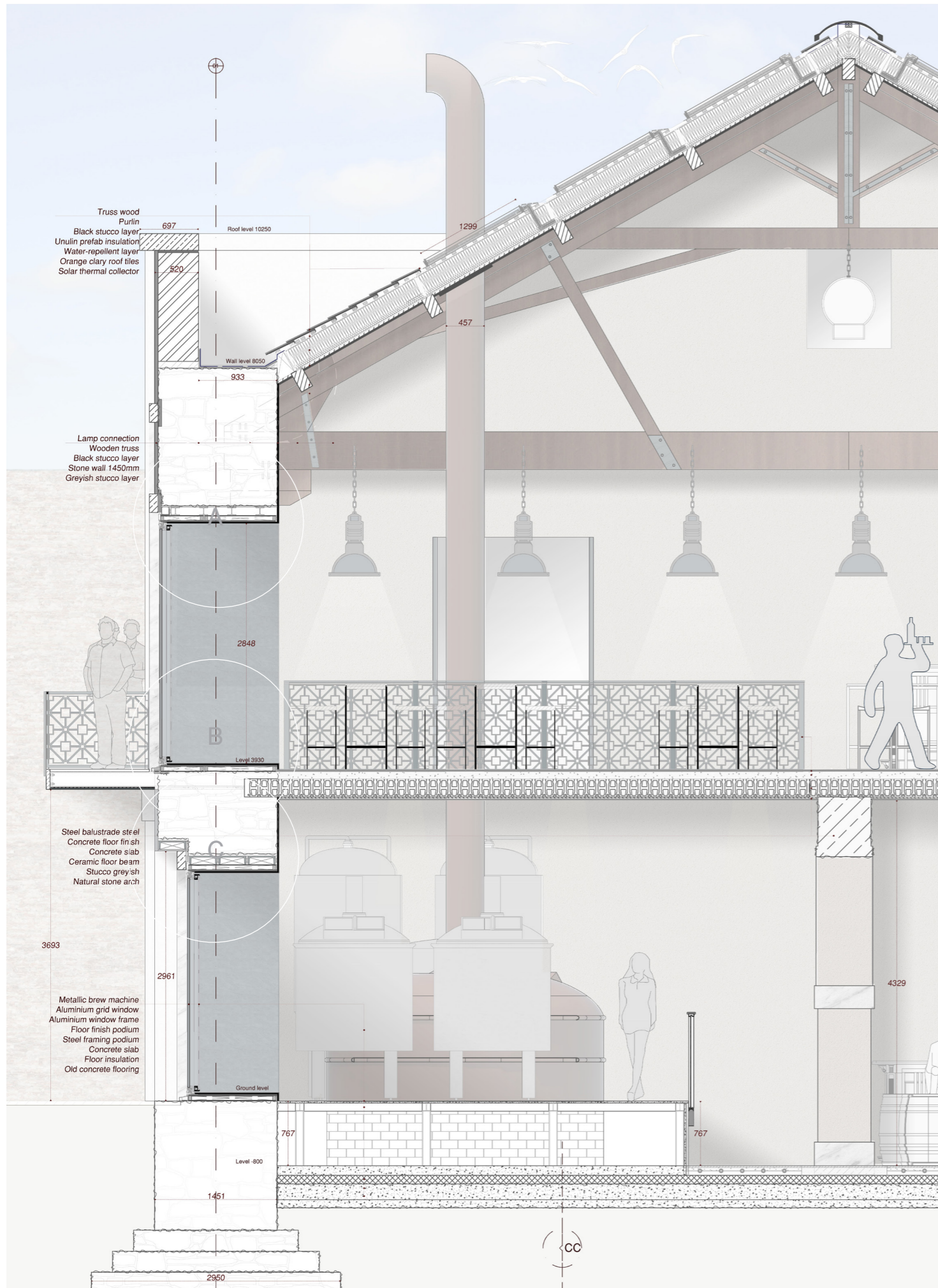


SUBTRACTED CONSTRUCTION



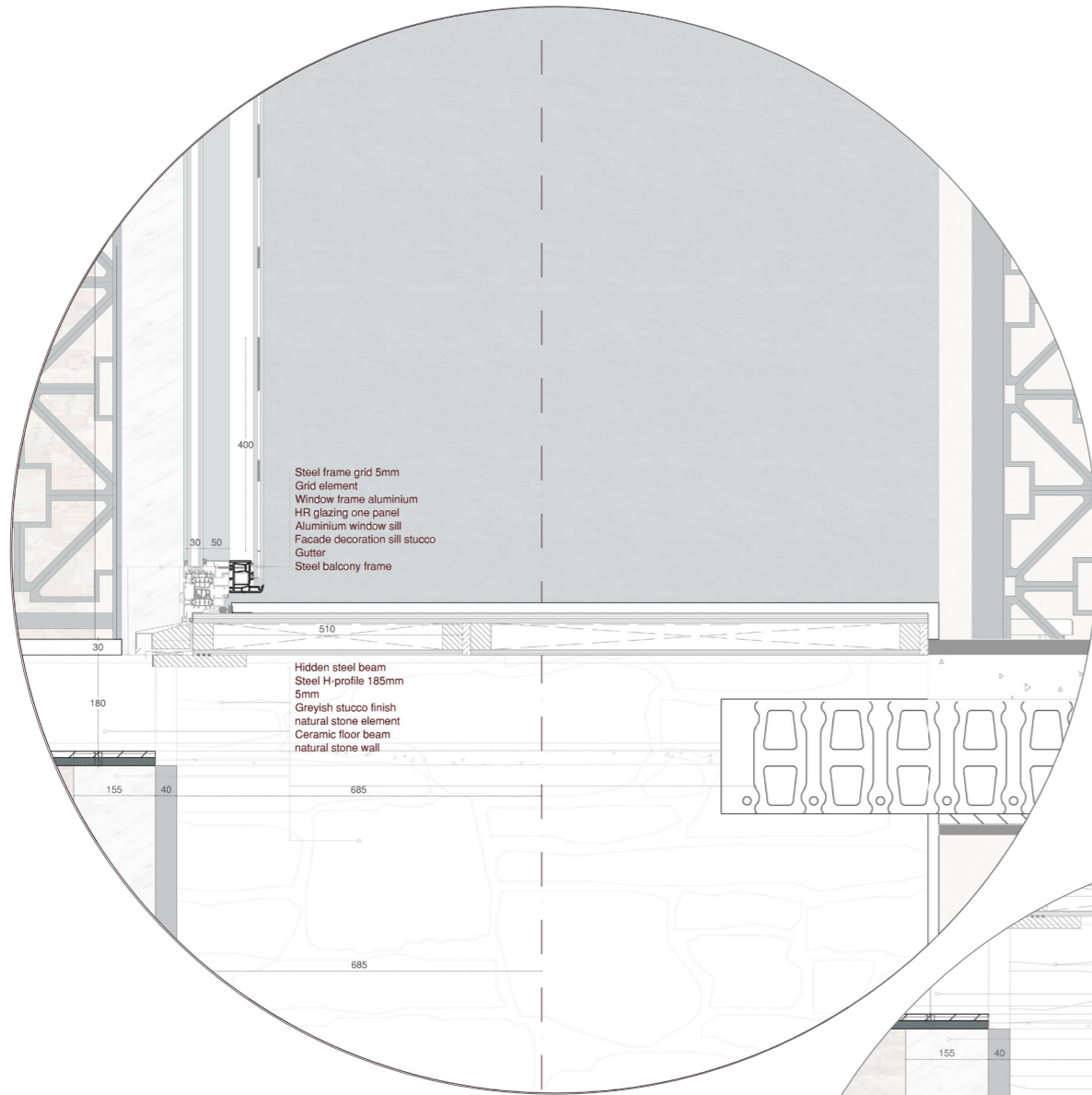
TRANSFORMED CONSTRUCTION



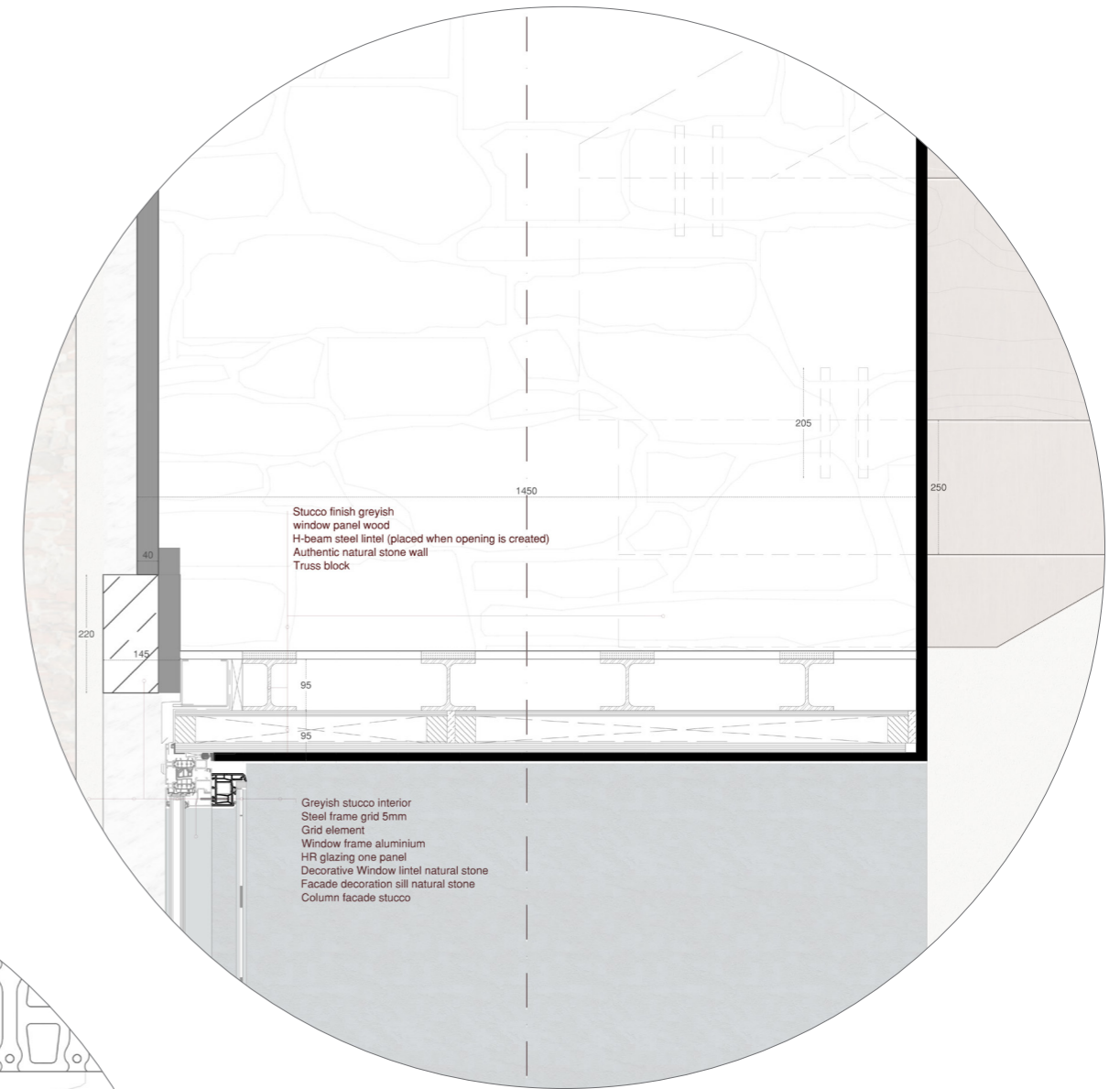


DETAILING

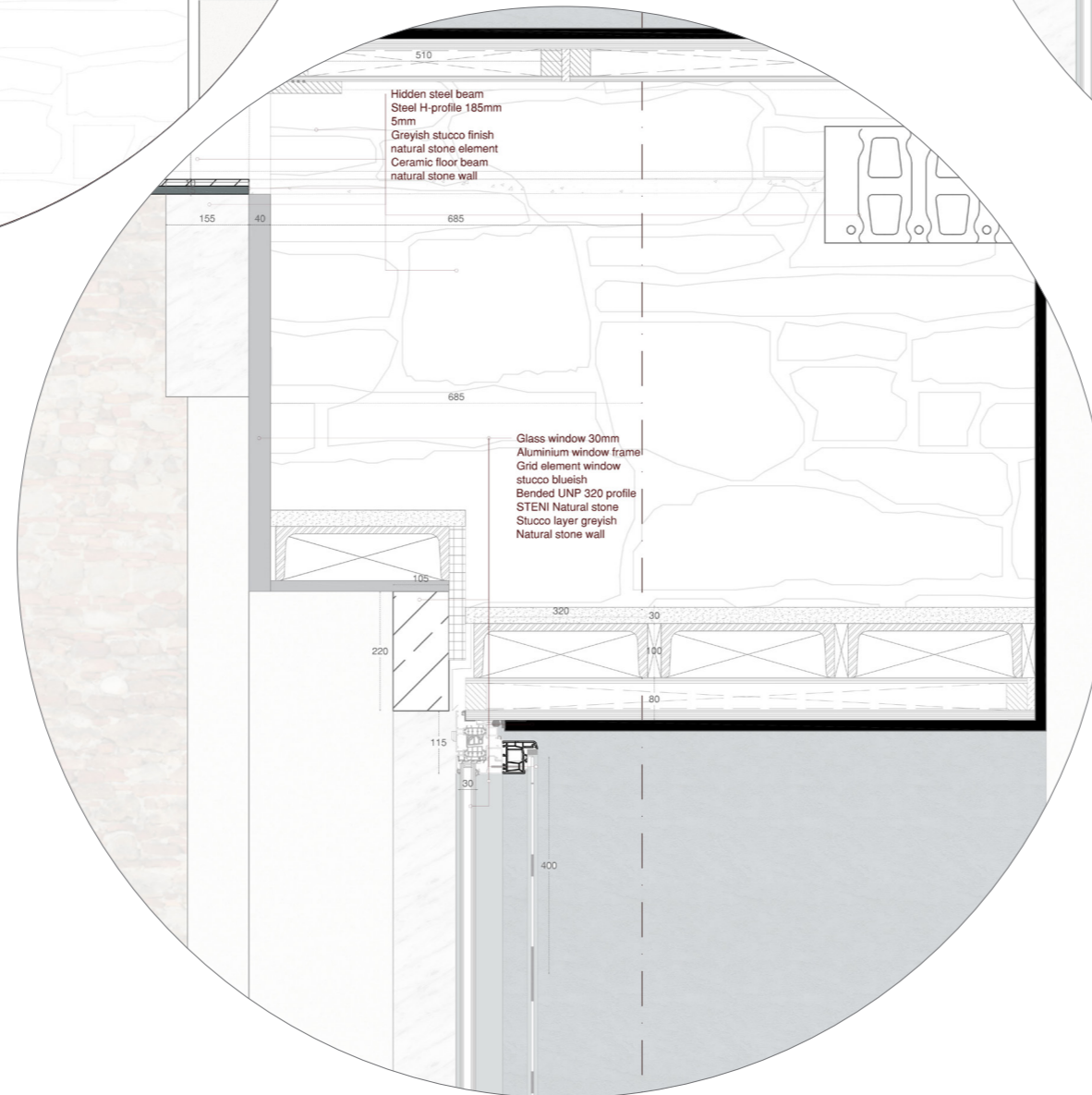
THE DETAILS ILLUSTRATE HOW THE SOUTH FACADE HAS BEEN ALTERED. THE OPENINGS ARE MADE IN SUCH A WAY THE THE BIG WALL CAN HANDLE THE FORCES. WITH NEW STEEL ELEMENTS THE OPENINGS ARE MADE POSSIBLE. A CLEAN DETAILING PROVIDES A MODERN LOOK MAKING IT RECOGNIZALBE AS DIFFERENT FROM THE OLD BUILDING.



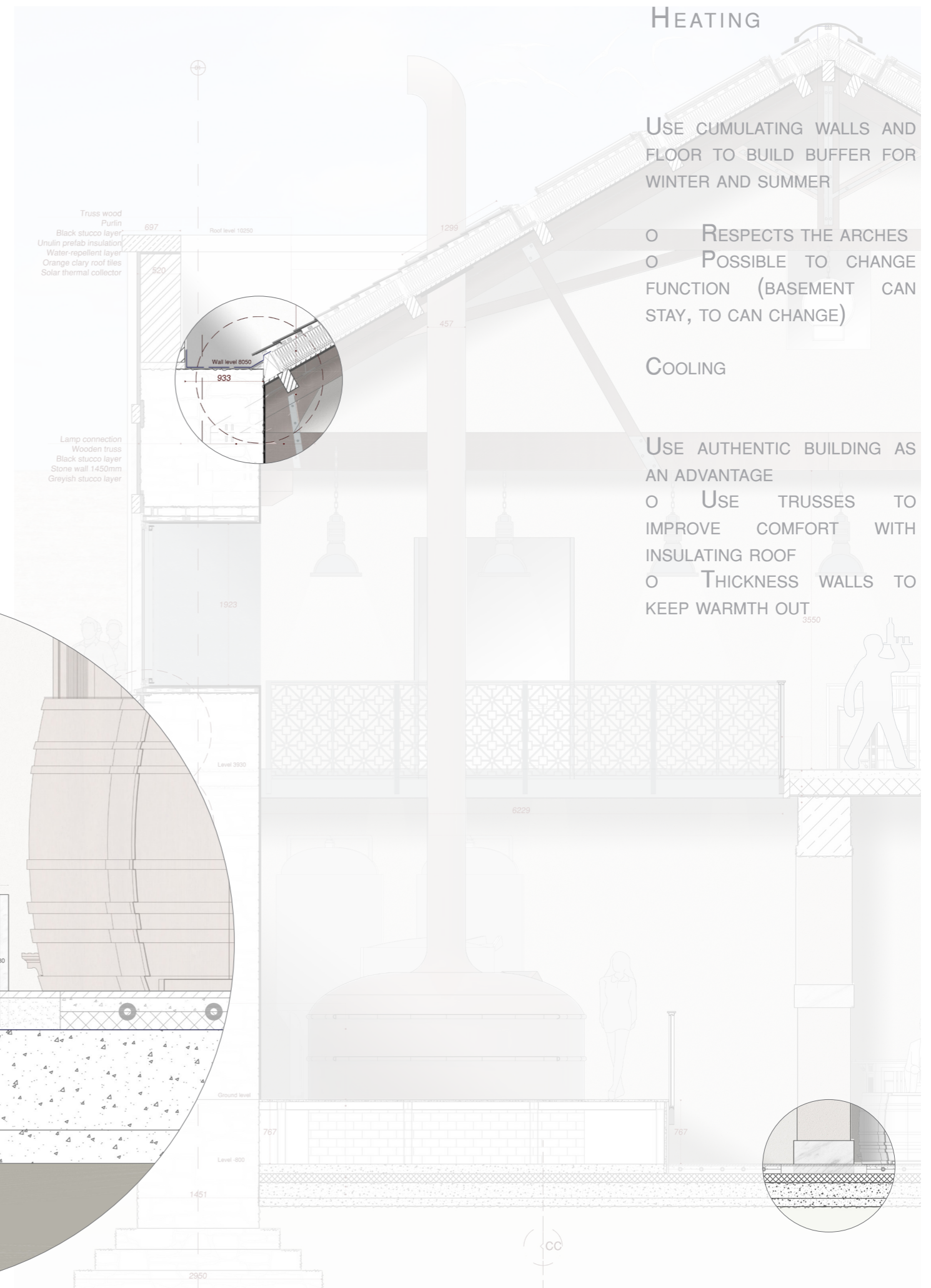
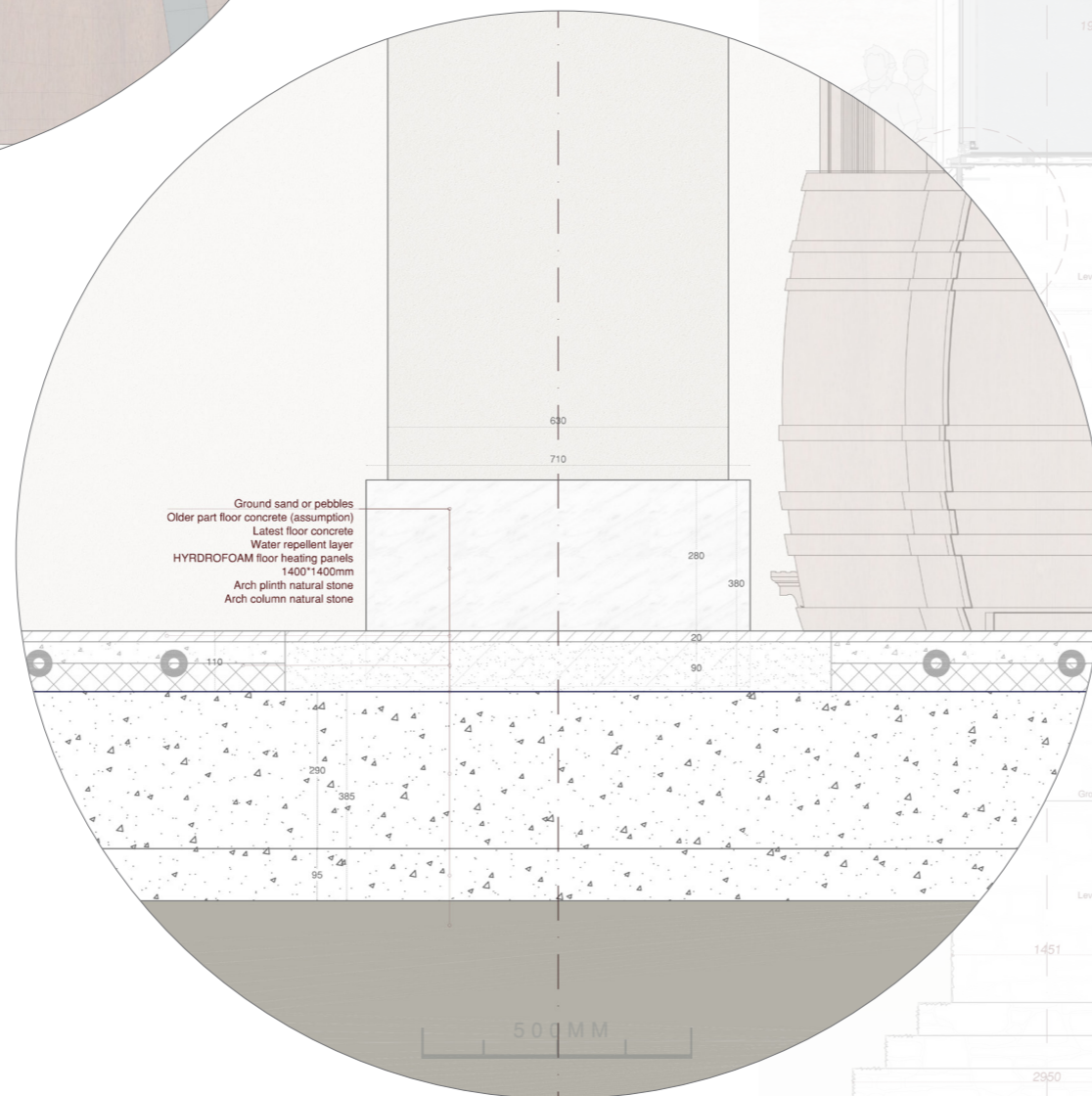
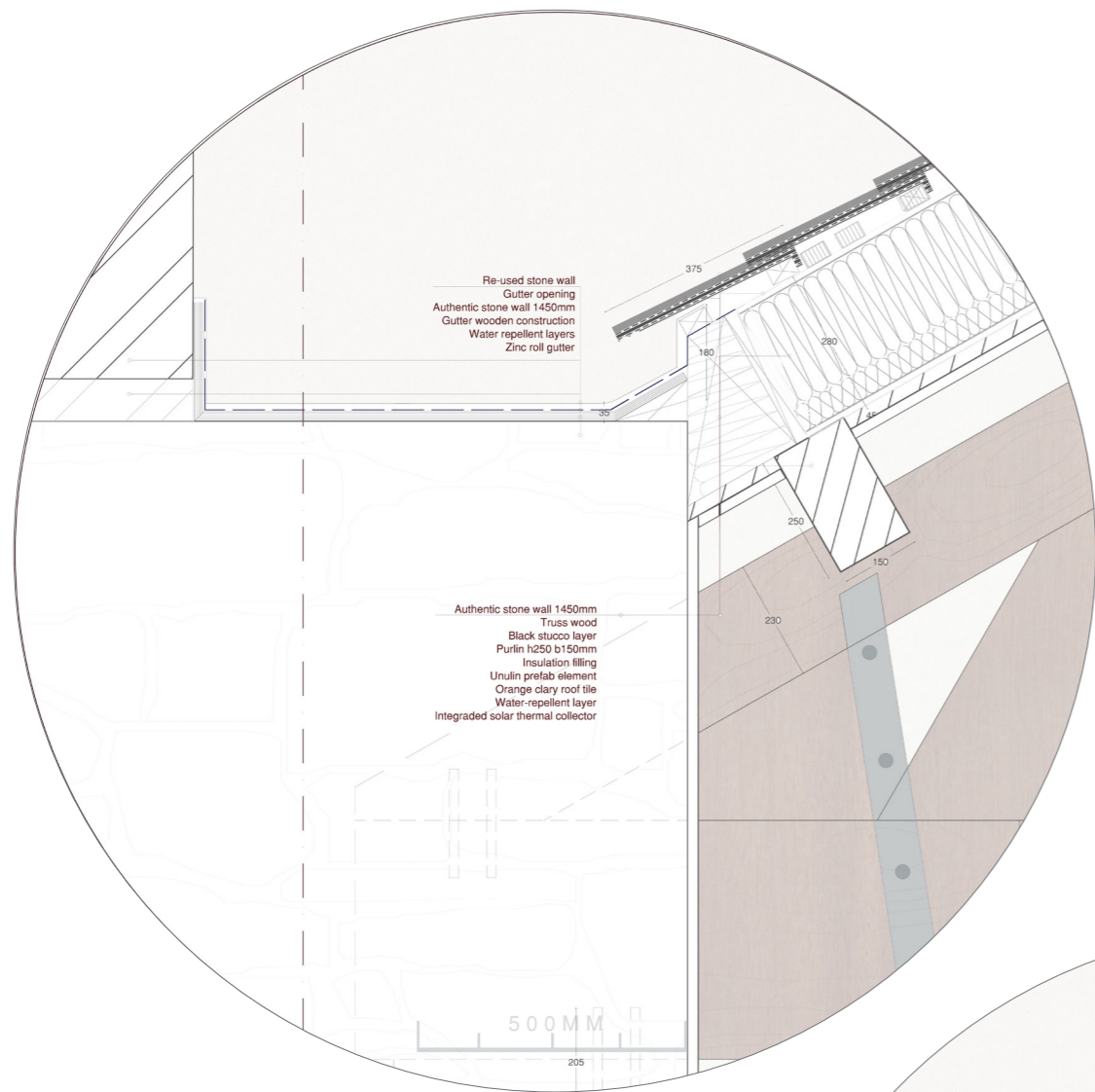
B

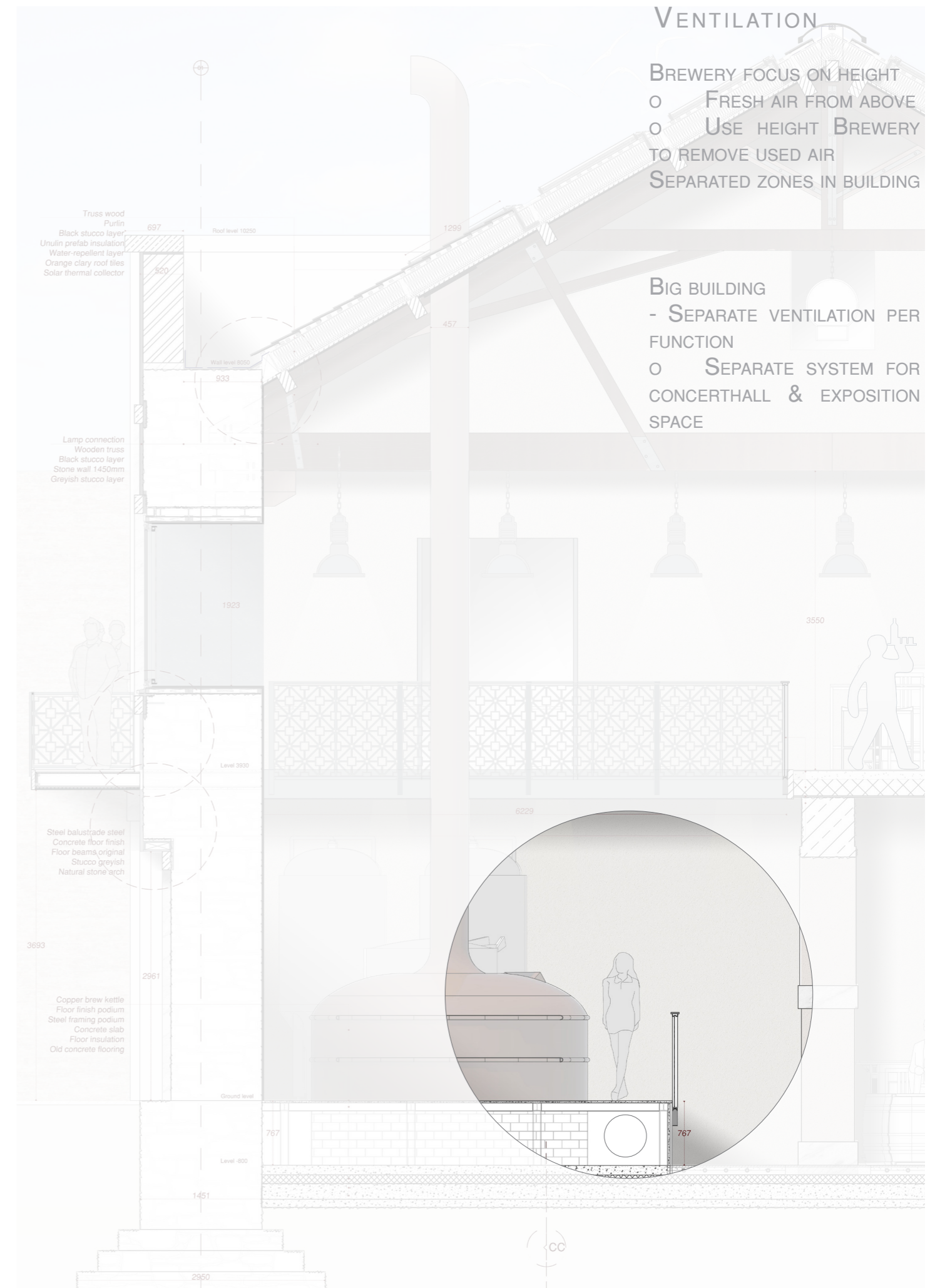


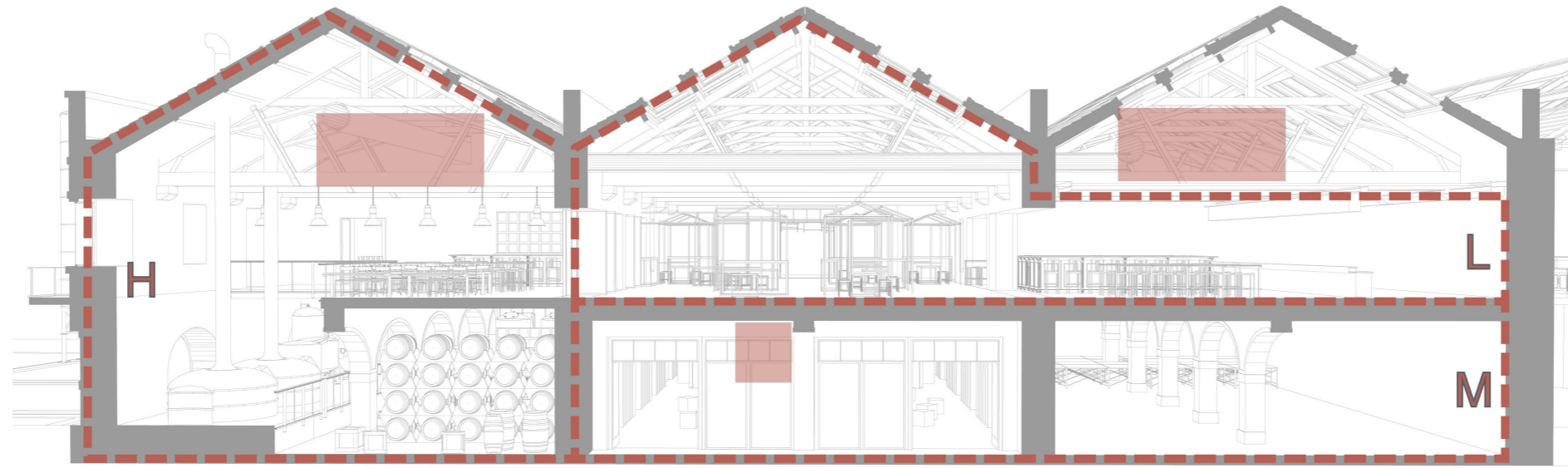
A



C







HEATING

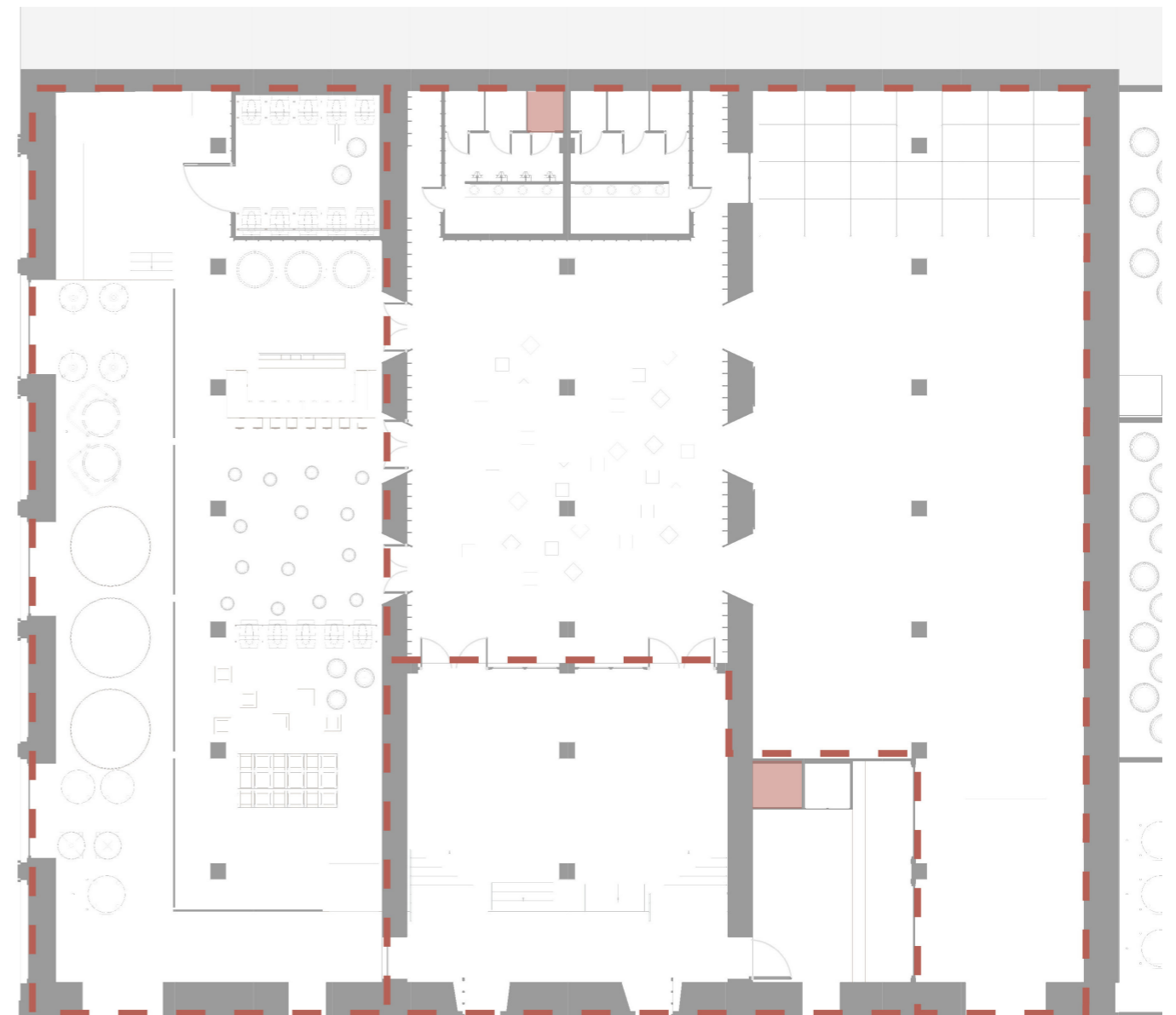
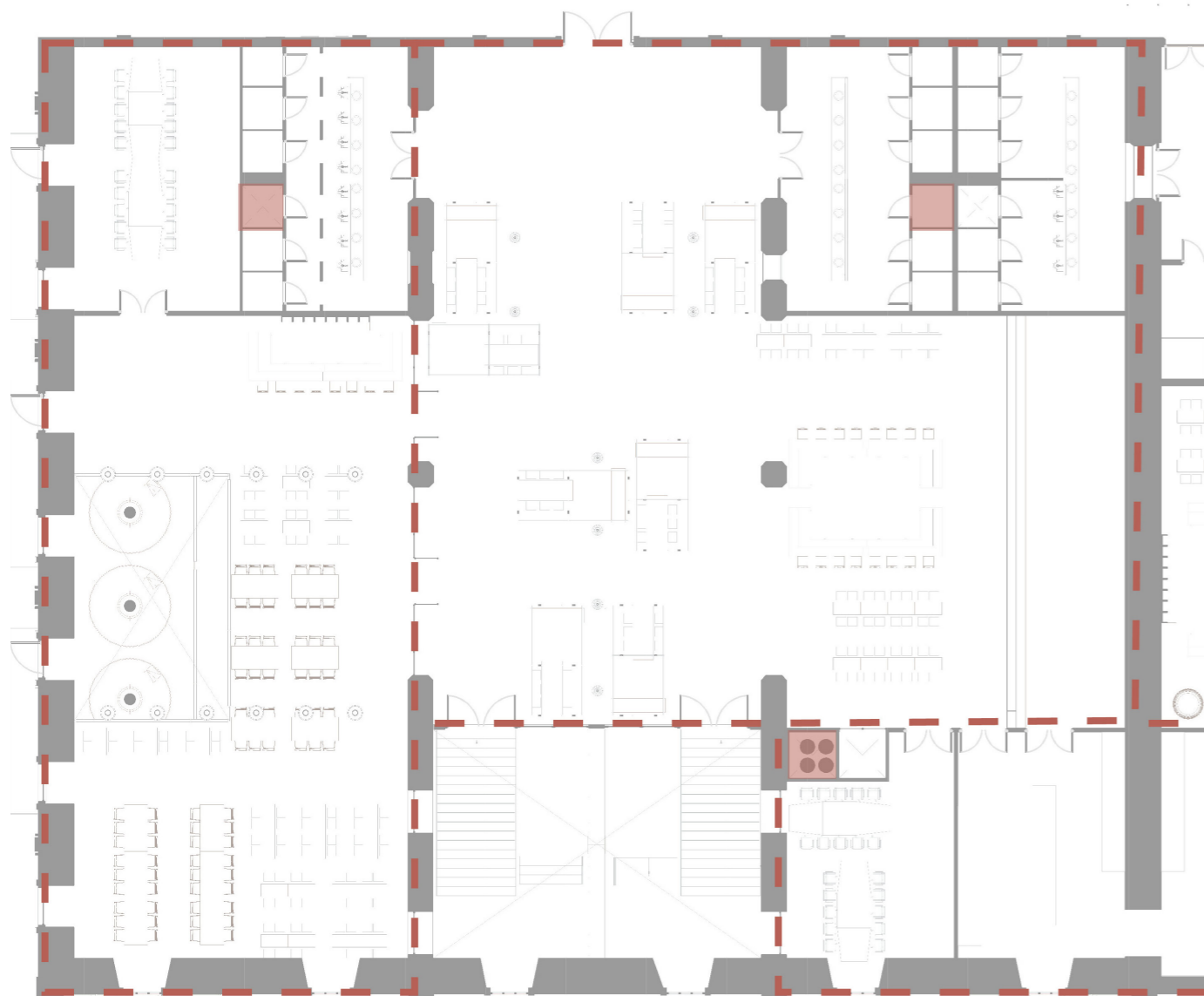
MAKE USE OF EXISTING:

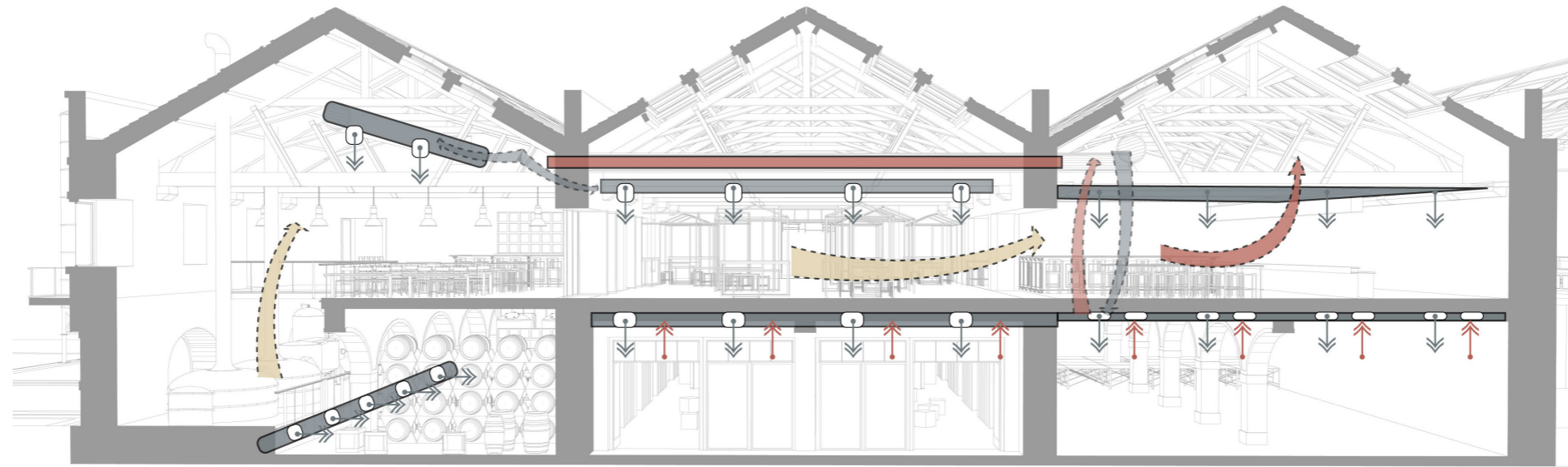
- THICKNESS WALLS + FLOOR
- AIR + FLOOR HEATING

PRINCIPLE

ZONES:

- HIGH : BREWERY
- MIDDLE : TEMPORARY USE
- LOW: PUBLIC TEMPORARY SPACE





VENTILATION

PRINCIPE VENTILATION:  
 PREHEATED AIR IN MIDDLE OF SPACE  
 FROM TOP  
 BREWERY FROM BENEATH STAGE

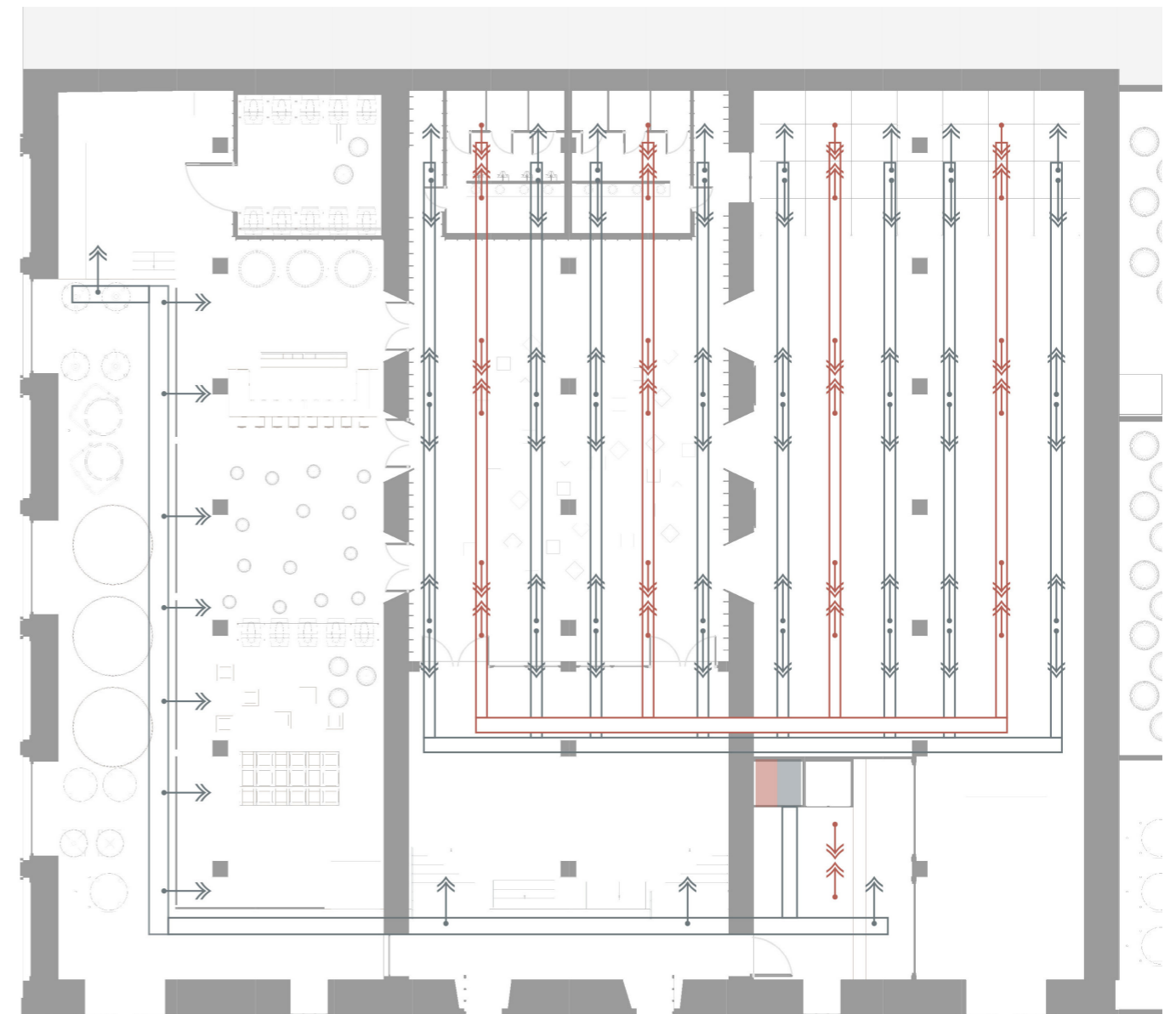
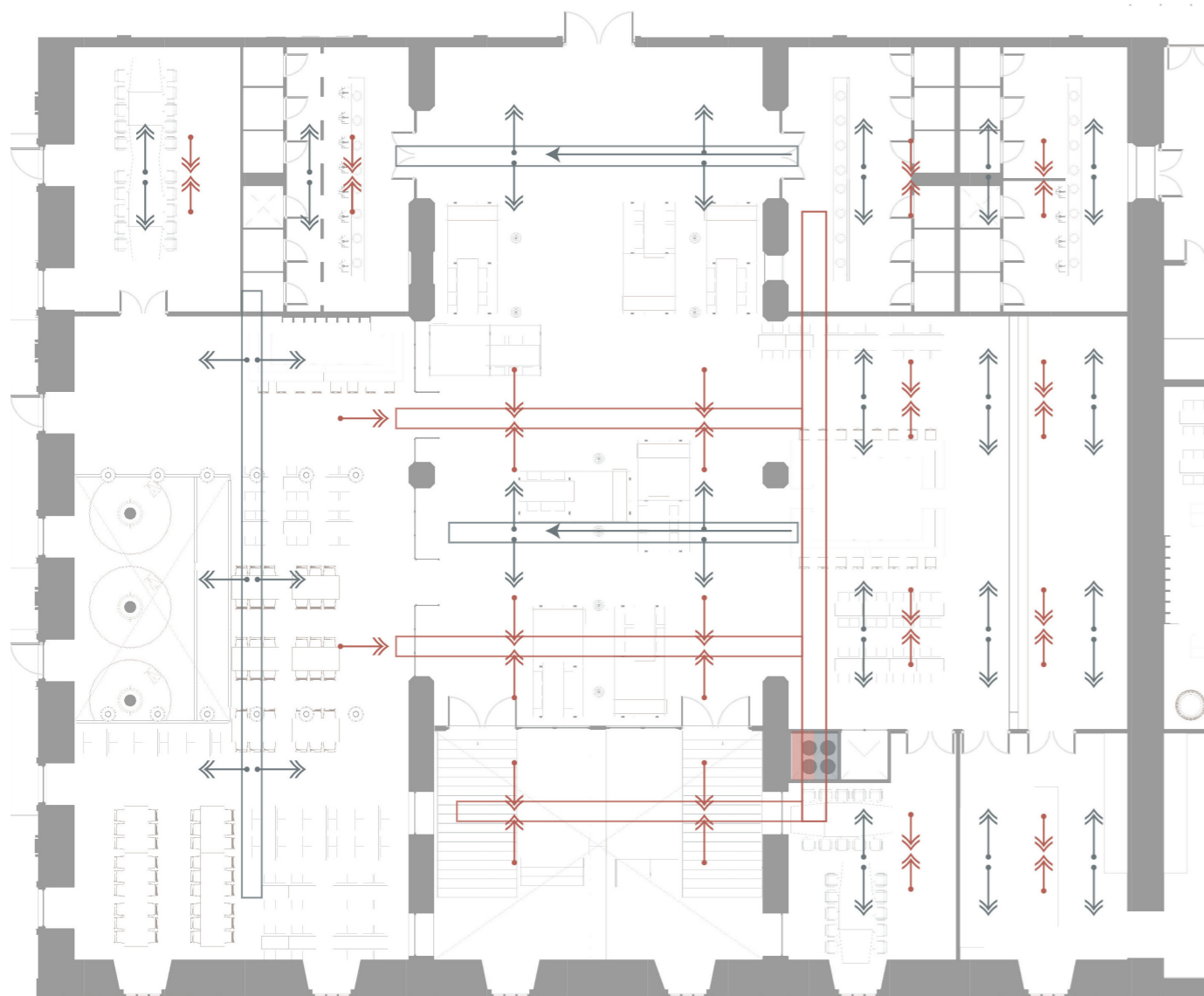
EXHAUST PULLING OUT AIR  
 (UNDERPRESSURE)

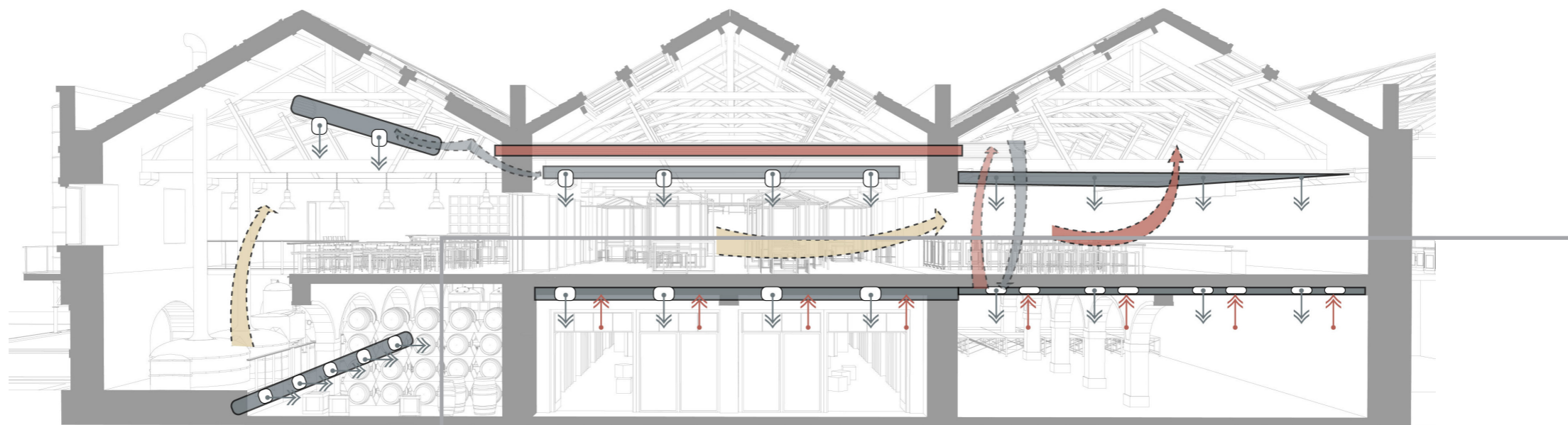
- RE-USE HEATE FOR FRESH AIR

VENTILATION

MAKE USE OF ZONES

- SEPARATE BUILDING VOLUMES PER NEED WITH OWN CLIMATE ROOM
- INLETS IN FROM DISTANCE NEEDS LESS MASSIVE SHAFTS



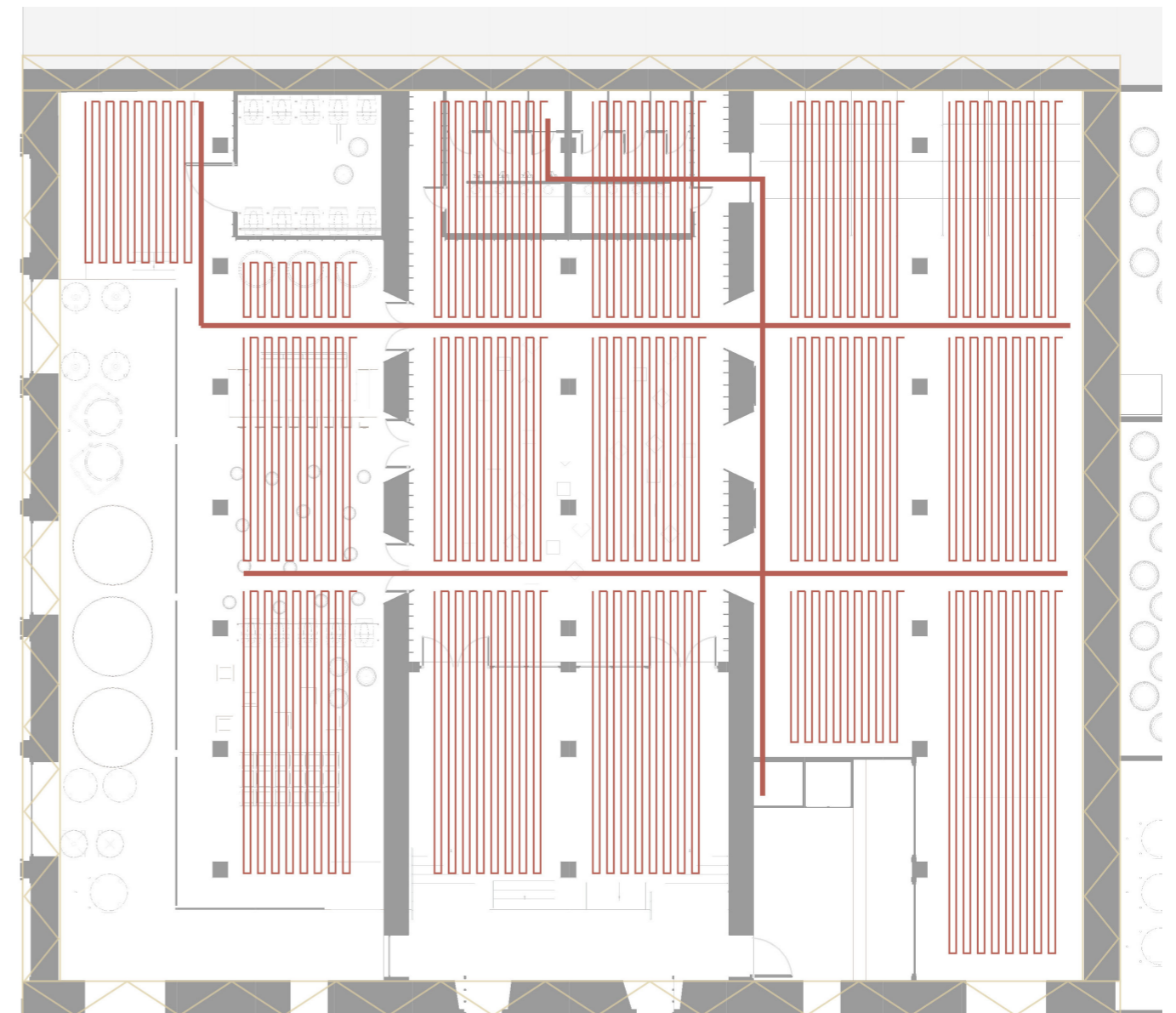
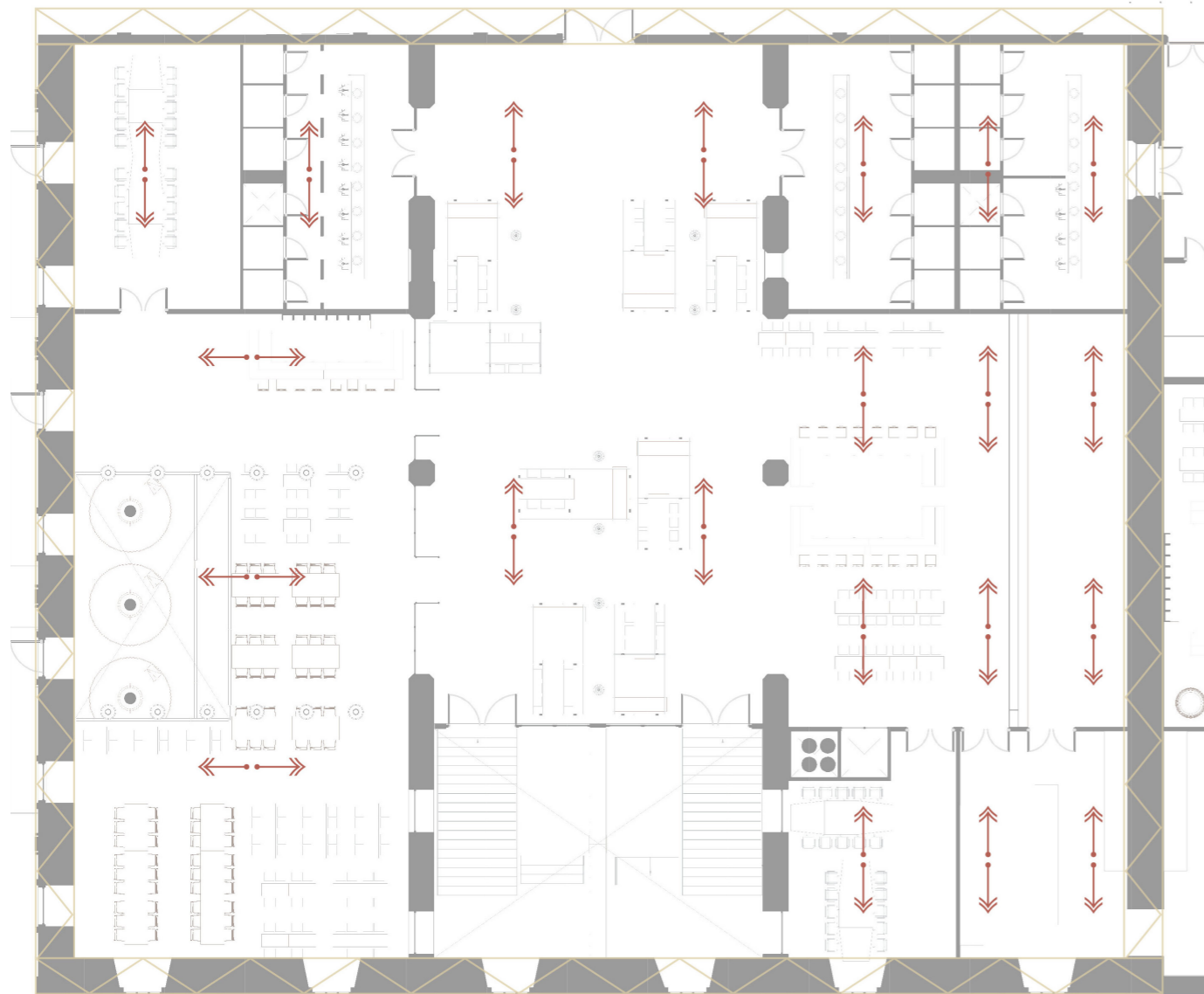
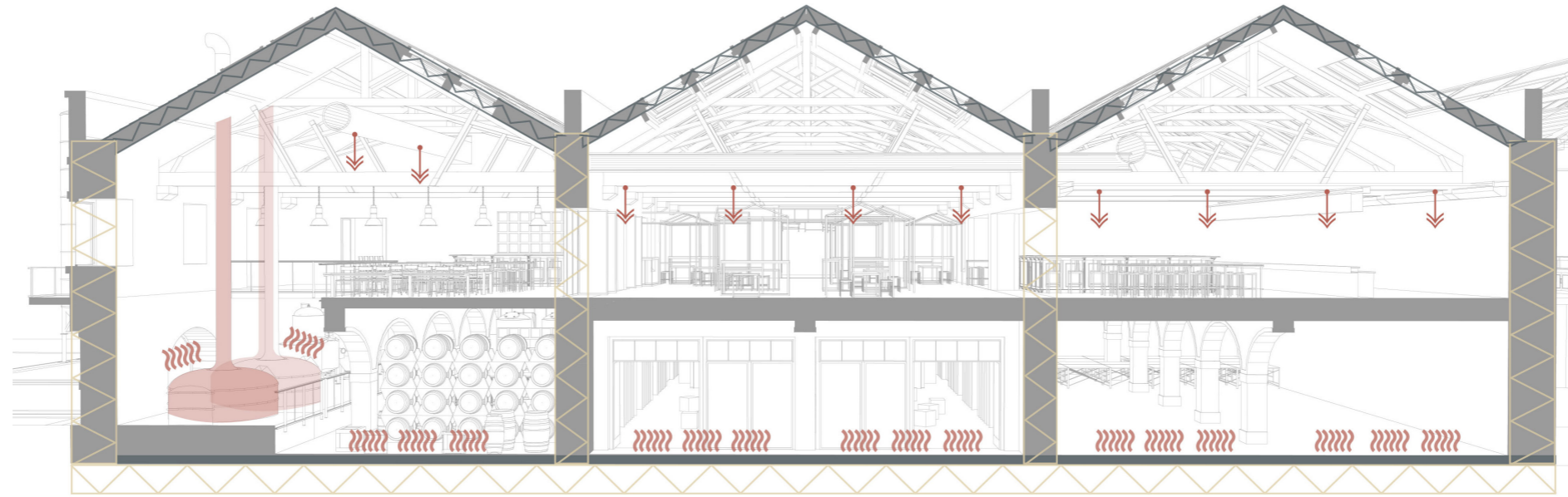


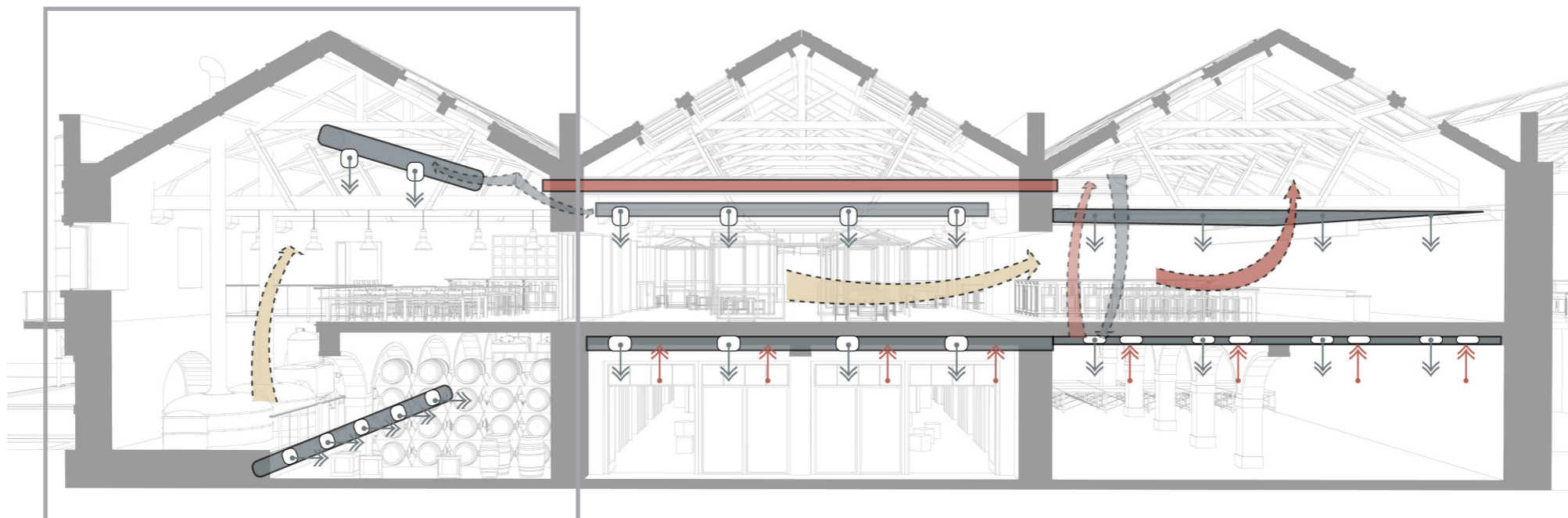
HEATING

ZONES

INZETTEN CUMULERENDE  
 WANDEN OUDE  
 NIEUW DAK VOOR VOORKOMEN  
 VERLIES VIA DAKGEVEL.

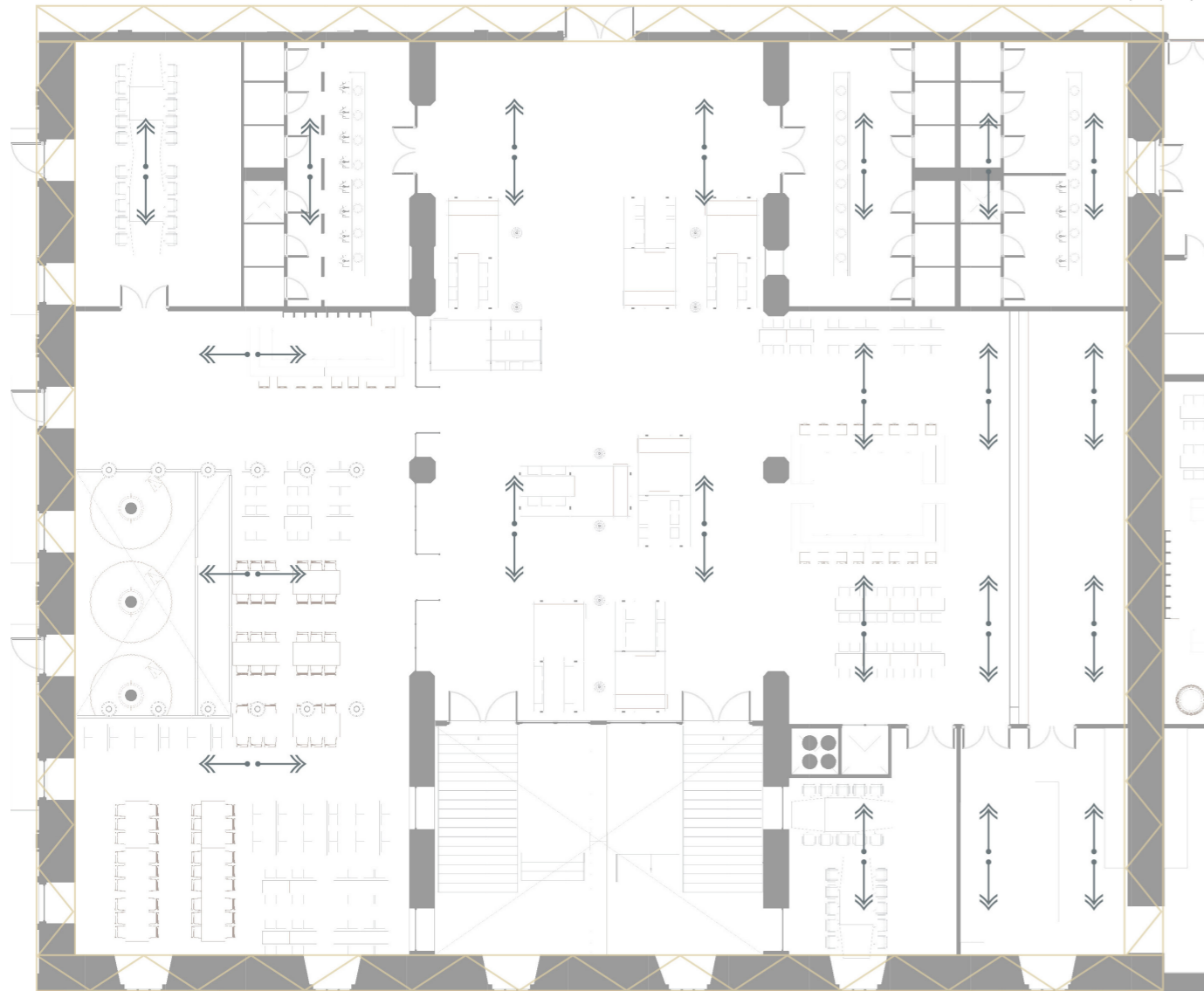
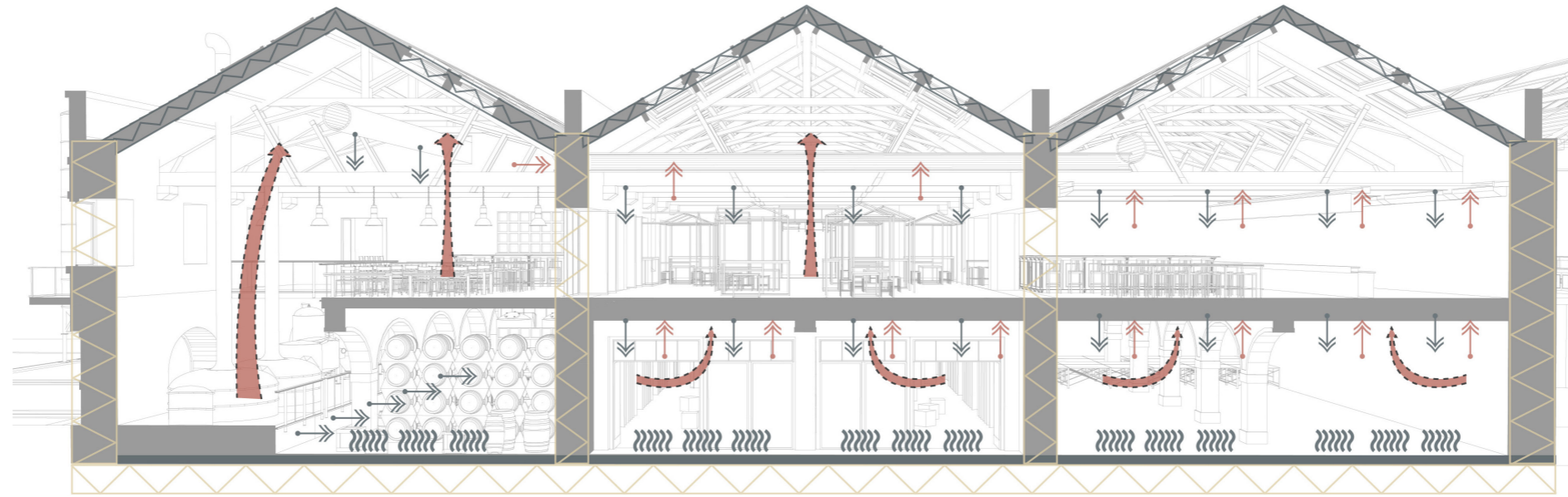
VOORVERWARMEDE LUCHT  
 VLOERVERWARMING  
 HERGEBRUIK WARMTE  
 BROUWERIJ

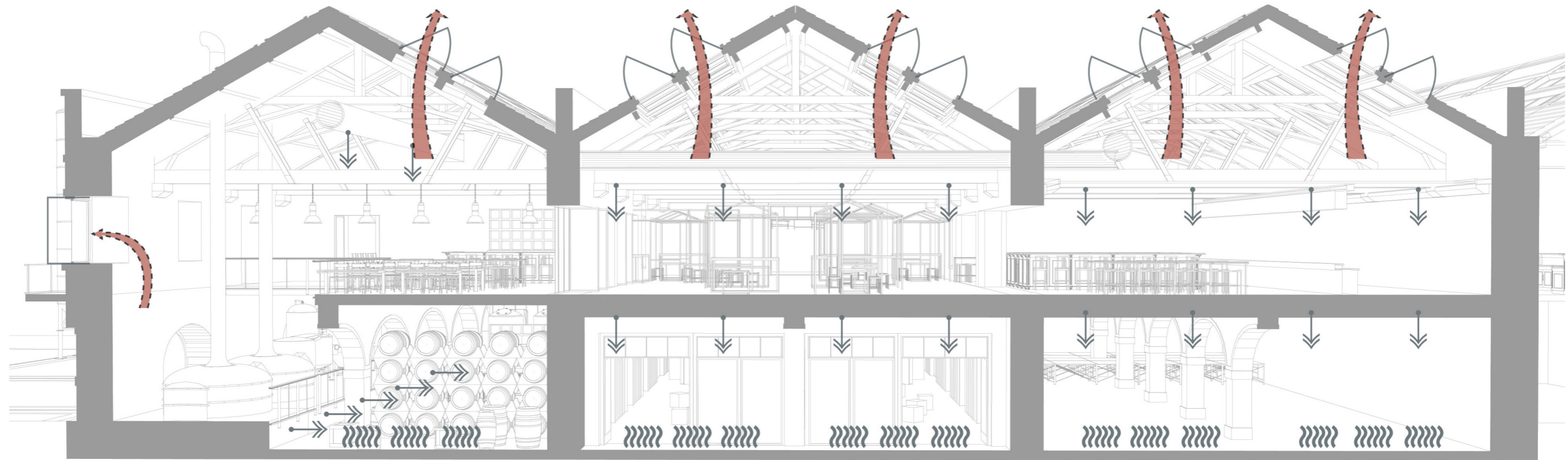




COOLING

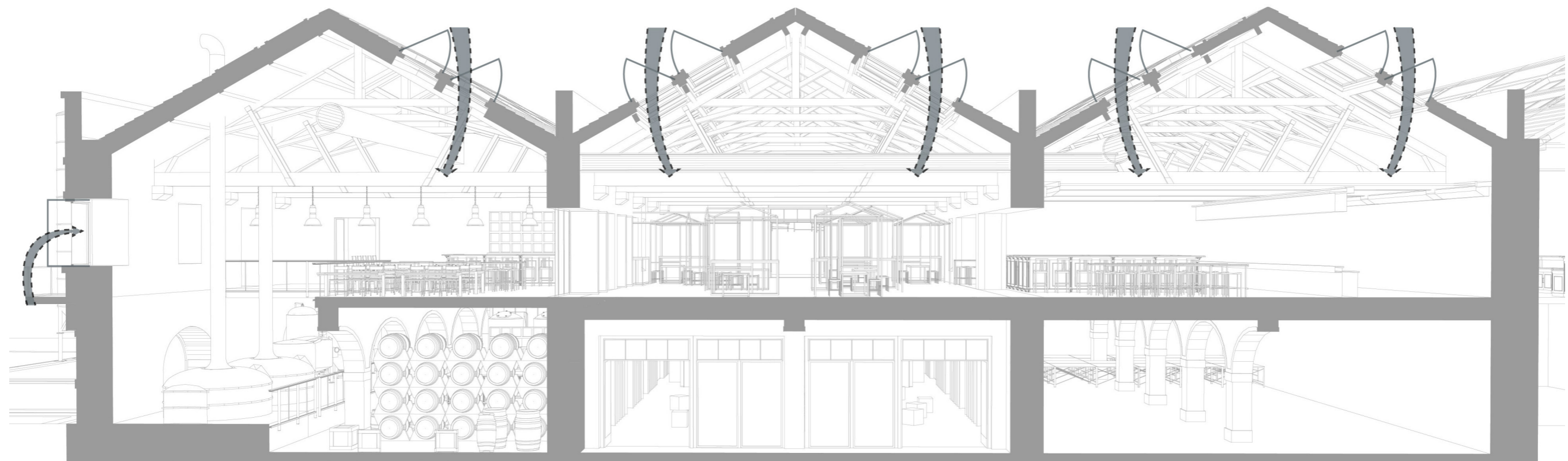
BUILDING IN NEED OF COOLING.  
 WITH HIGH DEMAND THE  
 SYSTEM WORKS AS FOLLOWS.  
 IN THE PERIODS OF LOWER  
 ACTIVITY THE SYSTEM WORKS  
 DIFFERENTLY





### COOLING

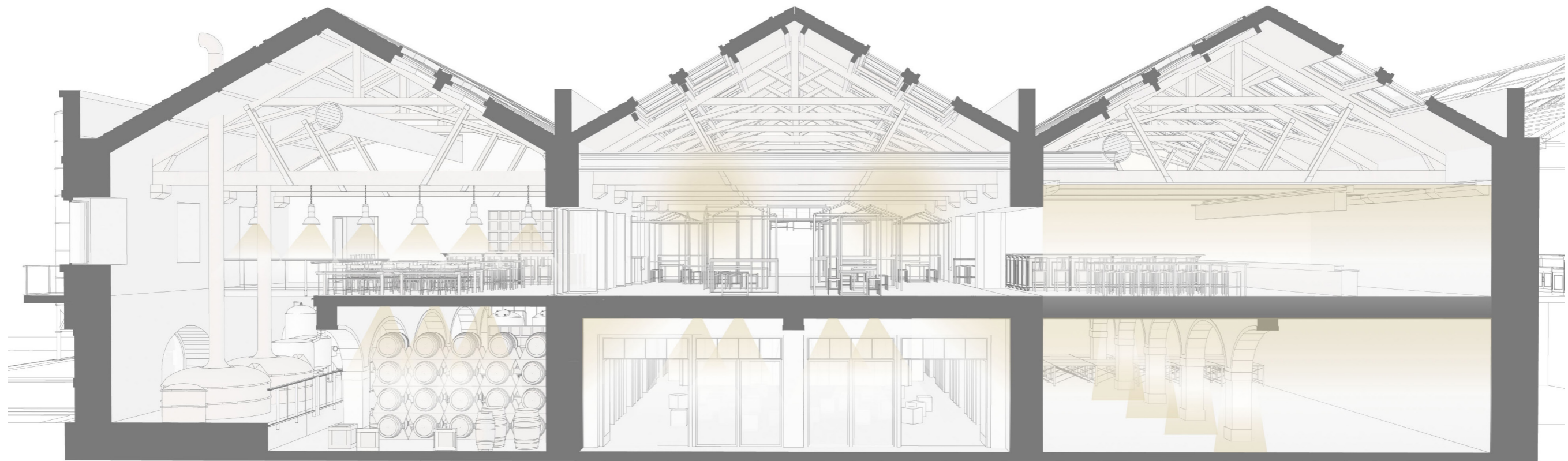
DURING THE DOWN TIMES, THE BUILDING IS COOLED IN A PASSIVE WAY. WITH THE ROOFLIGHT THE BUILDING IS VENTILATED. ALSO WITH NIGHTCOOLING THE BUILDING TEMPERATURE IS BROUGHT DOWN FOR THE NEXT DAY.





LIGHTING

NIGHT COPIED FROM DAYLIGHT. FITTING WITH THE ATMOSPHERES OF THE ZONES.



INTRODUCITON

RESEARCH METHOD  
WORKSHOP  
CITY IMPRESSION  
THE PLAN AREA

RESEARCH & ANALYSIS

CHARACTER PROJECT  
PROBLEM STATEMENT  
RESEARCH QUESTION

A MODERN MANUFACTURING COMPLEX

DEVELOPMENT COMPLEX  
CULTURAL VALUE  
TRANSFORMATION FRAMEWORK  
STRATEGY  
FUNCTION & USE  
DESIGN CONCEPT

THE MEETING SPOT

SOCIAL VALUES  
STRATEGY  
SOCIAL COHESION  
FUNCTION & USE  
DESIGN CONCEPT

MATCH

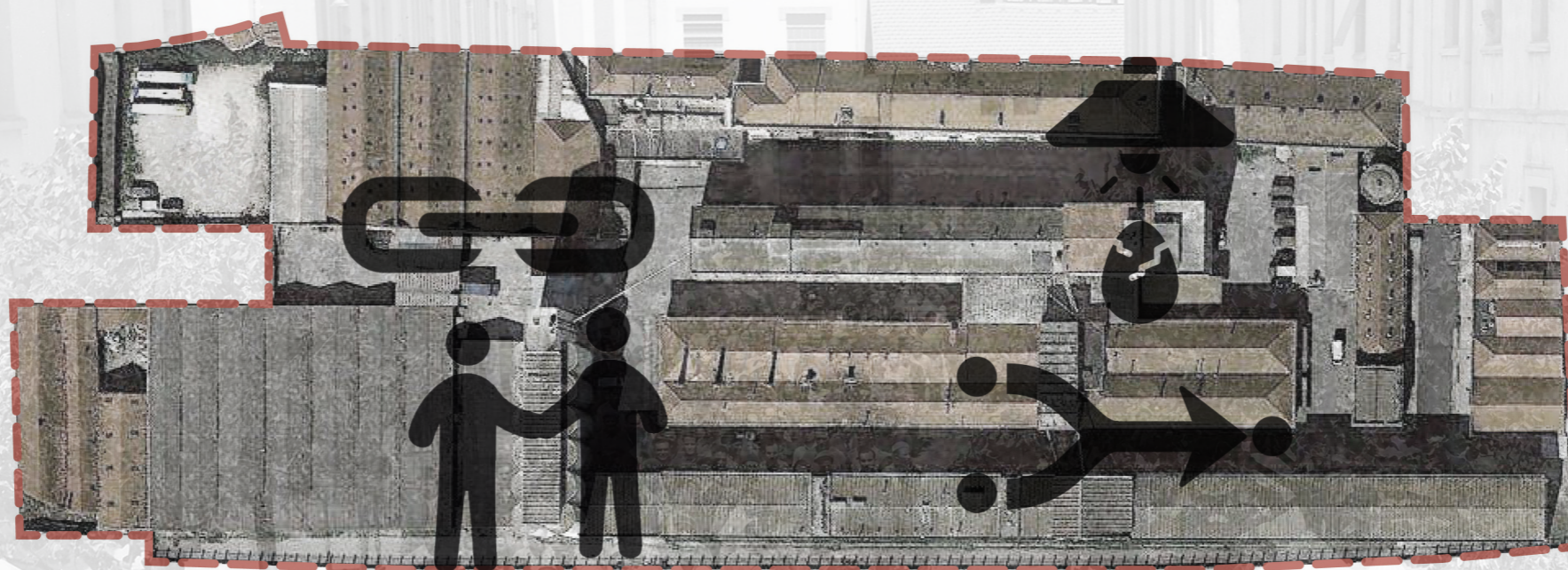
DEVELOPMENT BUILDING  
TECHNICAL VALUES  
SPATIAL VALUES  
DESIGN CONCEPT  
FUNCTION & USE  
DESIGN EXPRESSION

TECHNIQUE

TRANSFORMATION VALUES  
TRANSFORMATION CONCEPT  
REFERENCE  
TRANSFORMATION DESIGN  
CLIMATE DESIGN

CONCLUSION

REFLECTION  
SOURCES



HOW CAN AN **ENCLOSED INDUSTRIAL AREA** WORK TOGETHER WITH THE **URBAN SURROUNDINGS** AS A TOOL TO BECOME A **RECONNECTED INCUBATOR FOR FUTURE DEVELOPMENTS**

FUNCTIONAL RELEVANCE

- FUNCTION THAT WILL WORK:
- NEED FOR TECHNICAL WORKSPACES
- MUNICIPALITY ALREADY INVESTS IN START-UPS: INCUBATOR EFFECT
- GOOD WAY OF RECONNECTING WITH CITY
- NEEDS TIME TO GROW AND CHANCE IT WONT



CREATIVE HUB ON MMC VISITED BY MUNICIPALITY



START-UP COMPANY BY MUNICIPALITY

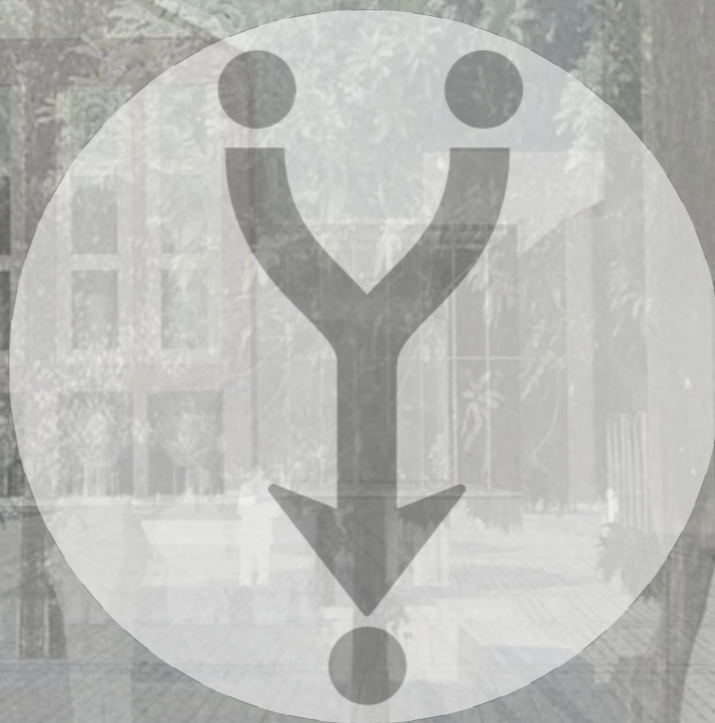
THEMATIC RELEVANCE

- HOW CONCEPT DEVELOPS IS UNCERTAIN
- CAN ONLY IMPLEMENT CONCEPT
- HOW WILL WORK OUT IS NOT POSSIBLE TO PREDICT
- MINIMIZE CHANCE FOR GENTRIFICATION:
- TEMPORARY USERS: SKILLED & TOURISTS
- PLACE FOR LOCALS

# MATCH

## DISCLOSING THE MILITARY CITY LISBON

A CHARACTERISTIC COMPLEX  
RESPECTS THE PAST  
RECONNECTS WITH THE CITY  
ENHANCES THE EXISTING



A MATCHING NEW PURPOSE

## PROJECT ANALYSIS &amp; RESEARCH

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  - *HOFSTEDE, GERT JAN. EXPLORING CULTURE – EXERCISES, STORIES AND SYNTHETIC CULTURES. THE WAY CULTURE WORKS WITH CASE STUDIES*
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