

P5
Graduation Studio: FARO
Heritage and Architecture
Sao Francisco, Faro
winter 2023
TU Delft

RESEARCH

REVEALING BUILT HERITAGE THROUGH SOCIAL MEDIA

Comparing the attributes and values conveyed by locals and tourists

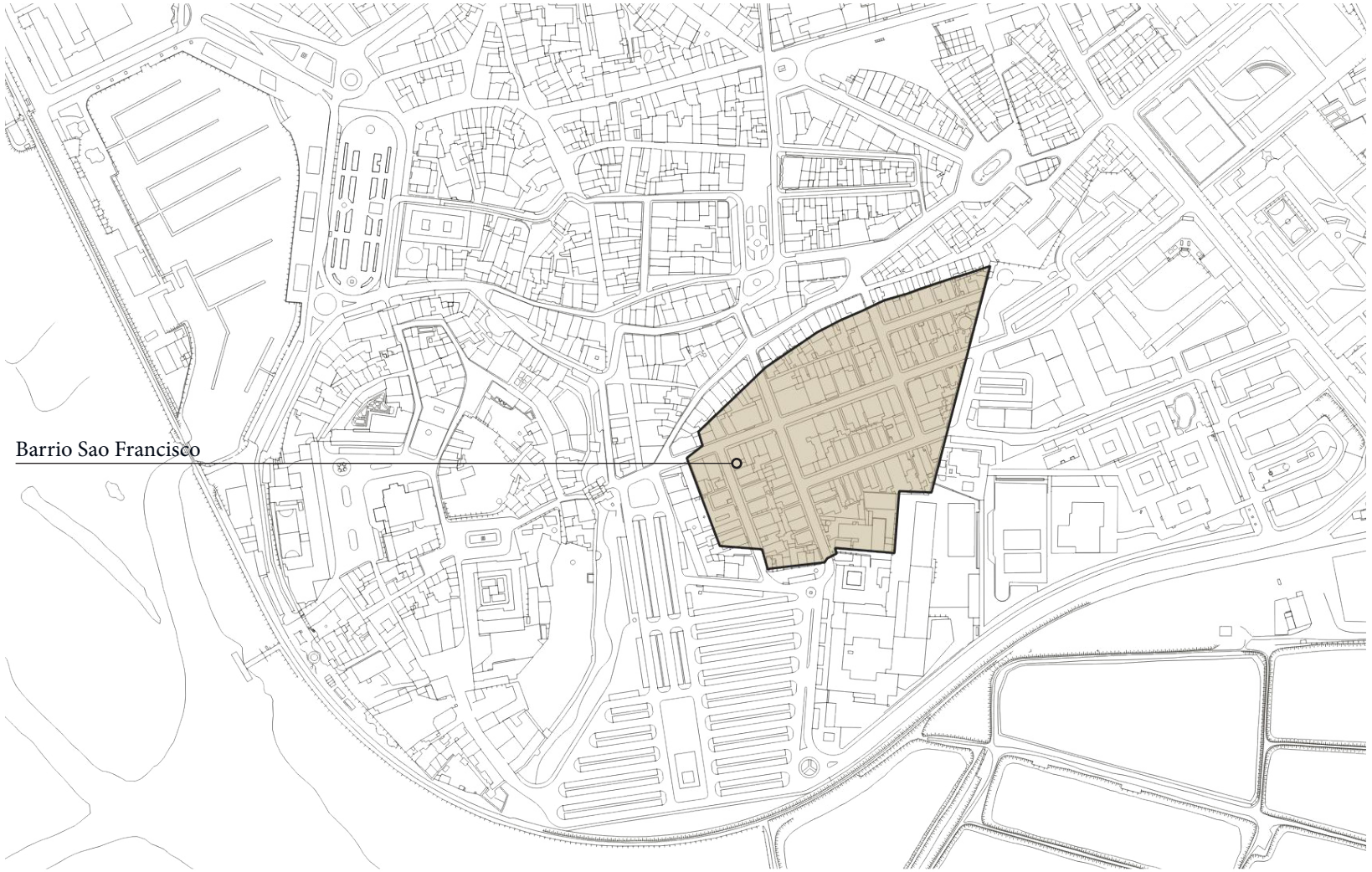
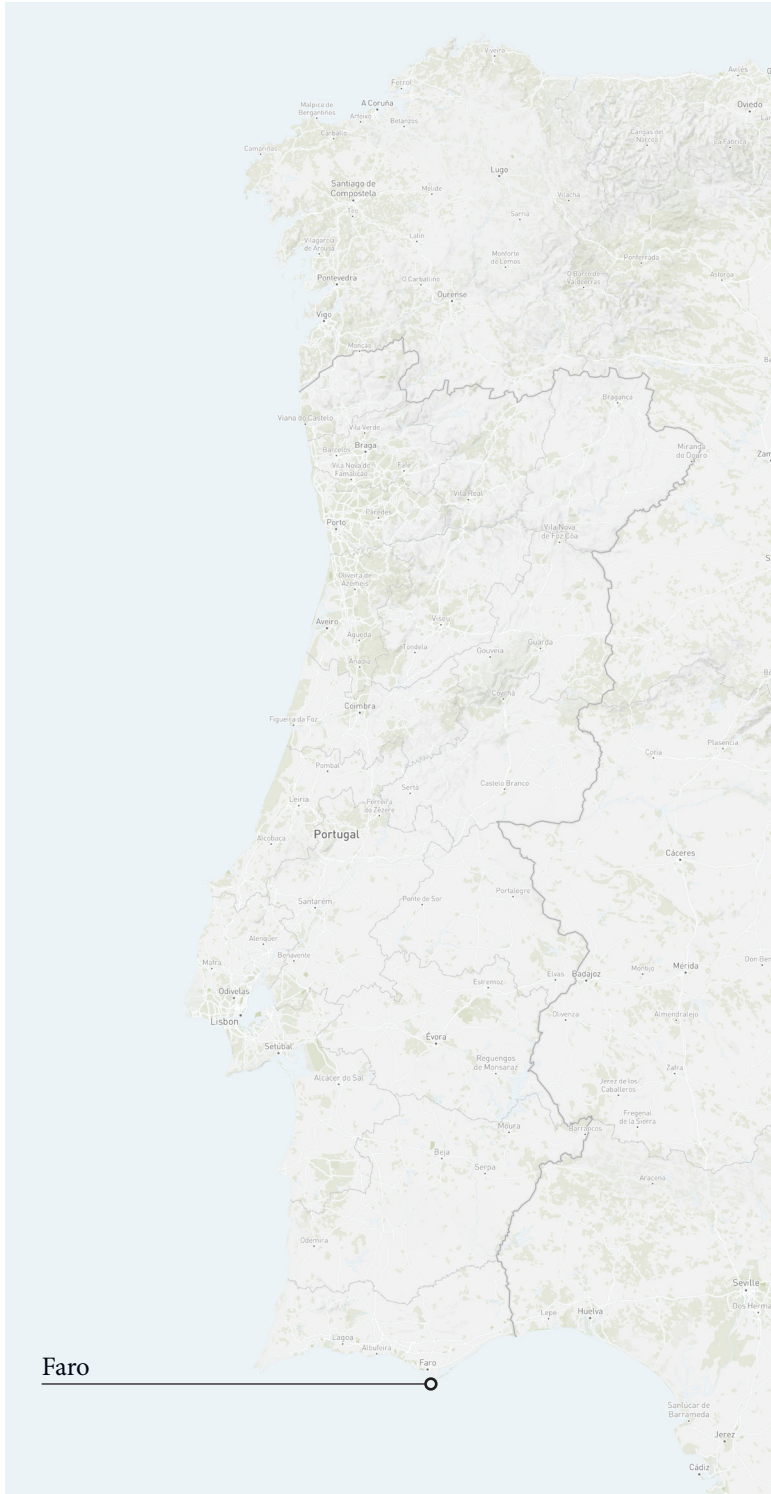
Subject: P5	2
File: Presentation	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
	Date: 17/01/23

REVEALING BUILT HERITAGE THROUGH SOCIAL MEDIA

Comparing the attributes and values conveyed by locals and tourists

Barrio Sao Francisco, Faro.

Portugal



Subject: P5	3
File: Presentation	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
Tourism Group GIS Map Google Maps	Date: 17/01/23



Problem Statement

- Society conveys values to cities and their buildings.
- Faro Convention
- The tools available today remain predominantly expert-based.
- Unbalance between locals and tourists' needs leading to:

Suinformação

Regional ▾ Economia ▾ Política Cultura ▾ Ambiente Ciência ▾ Educação ▾ Opinião Desporto ▾ Vida Boa ▾ Newsletter Pesquisar ... 🔍

ALJEZUR SEMPRE 12 meses à sua escolha 12 months to take your pick
uma relação natural +Info: www.cm-aljezur.pt

OPINIÃO

Turistificação e gentrificação na cidade de Faro

Por António Covas • 8 de Setembro de 2022 - 18:00

A qualidade de vida e a reputação de uma cidade mede-se também pela forma inteligente como trata os seus cidadãos mais vulneráveis e desfavorecidos e como respeita a sua dignidade como pessoas e cidadãos

[Twitter](#) [Partilhar](#) [Partilhar 233](#) [Imprimir](#)



APP SUL INFORMAÇÃO:

DISPONÍVEL NO **Google Play** **Descarregar na App Store**

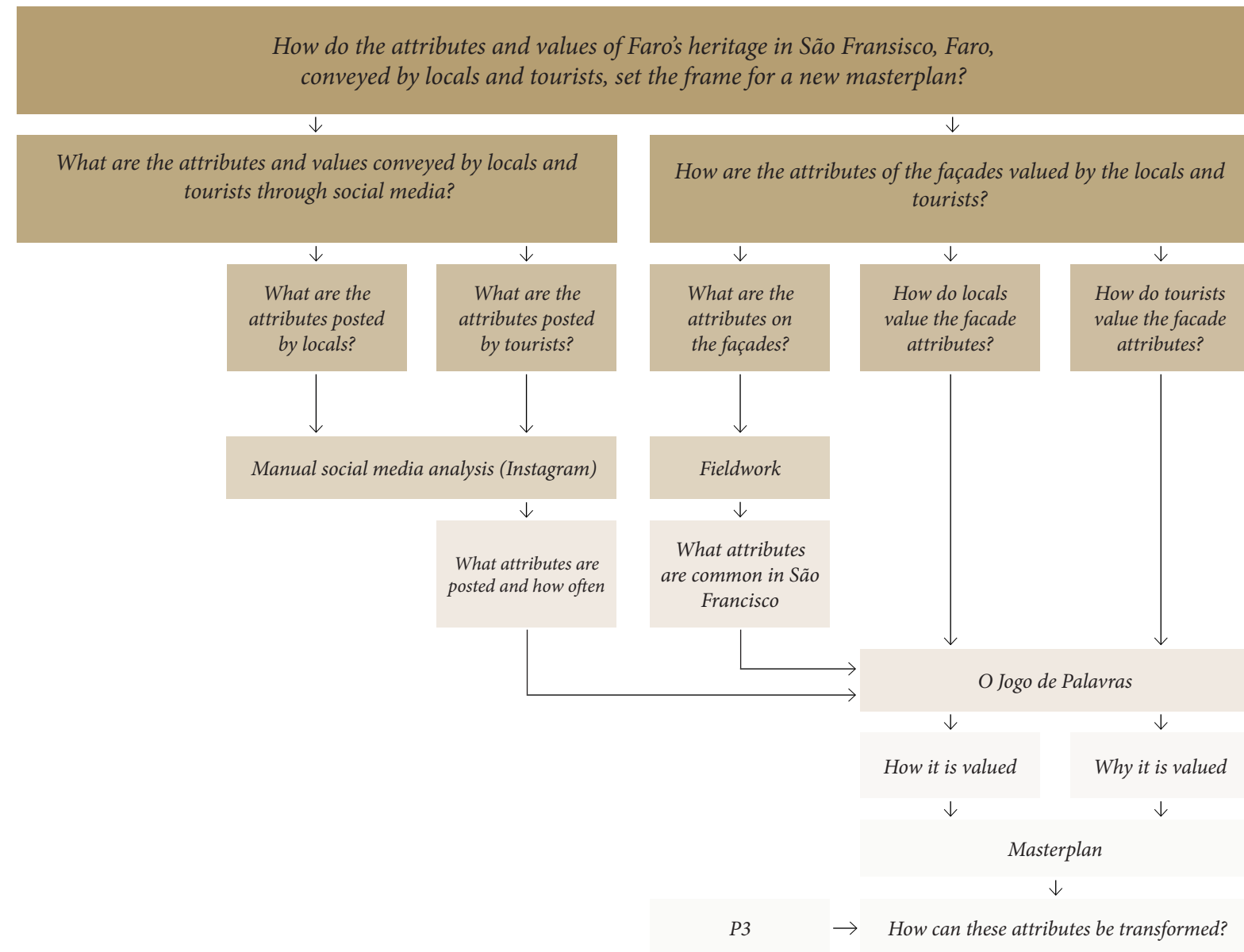
Centro Expositivo da Fortaleza de Sagres
Fortaleza de Sagres Exhibition Centre

Aberto todos os dias
Open all day

Fortaleza de Sagres
37° 0' 23" N 6° 56' 21" O

monumentodofaro.pt

Subject: P5		4
File: Presentation	https://www.coe.int/en/web/culture-and-heritage/faro-convention	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	https://www.cm-faro.pt/ https://www.sulinformacao.pt/2022/09/turistificacao-e-gentrificacao-na-cidade-de-faro/	4631641
		Date: 17/01/23

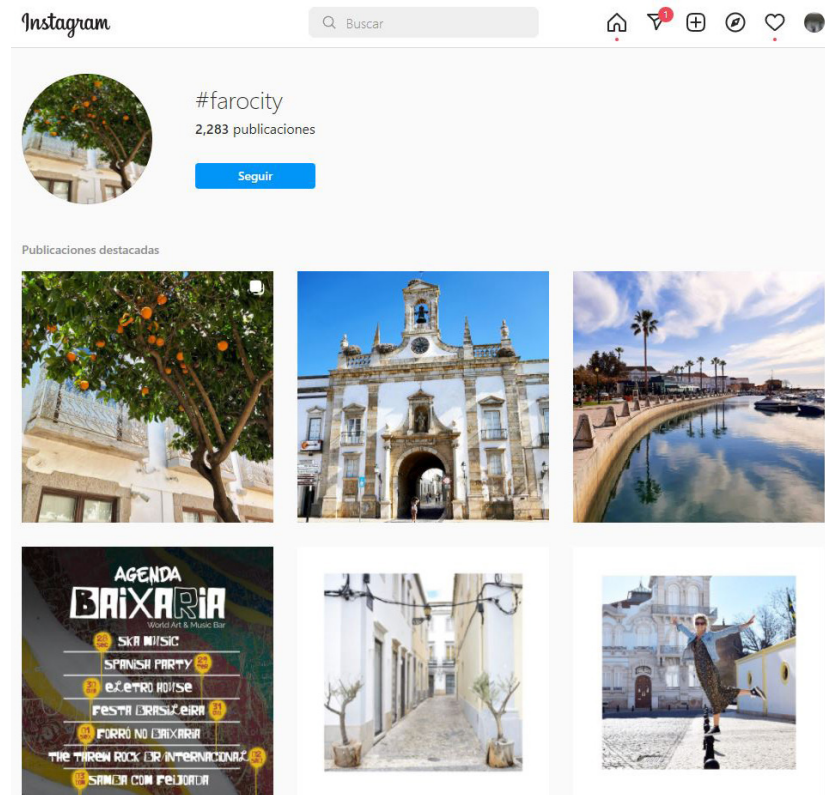


Research Question

Method divided into three stages:

1. manual analysis of social media posts on instagram
2. analysis of pictures taken of specific attributes from the facades in the Sao Francisco neighborhood
3. the game O jogo de palavras

Subject: P5	5
File: Presentation	Tourism Group Map Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
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nr.	Local (o) / Tourist (1)	Hashtag of Origin	Post	Location	Nationality of Origin	Caption	Caption Translated	Source language caption	Hashtags	Attribute	Post Date	Post Season	Links
1	o	#tourismodefaro		Museu Municipal de Faro	Portuguese	Já conhece o Antigo Convento de Nossa Senhora da Assunção e que, atualmente, é a "casa" do @museumunicipaldefaro ? No Dia Internacional dos Monumentos e Sítios serão organizadas visitas orientadas a este notável edifício quinhentista. Para participar basta aparecer no dia 18 de abril, entre as 11h30 e as 16h, na entrada do Museu Municipal (Largo D. Afonso III).	It already knows the former convent of Our Lady of the Assumption and which is currently the "house" of @museum Cultuildefaro ? on the International Day of Monuments and Sites will be organized guided visits to this remarkable 16th century building. To participate, just appear on April 18, between 11:30 and 16h, at the entrance of the Municipal Museum (Largo D. Afonso III).	pt	#MunicipiodeFaro #CityBreak #Algarve #Portugal #Europe #TurismoDeFaro #FaroAlgarve #FaroPortugal #VisitFaro #IgersFaro #Faro #MuseuMunicipalDeFaro #Convento #Convent #Museu #Museum #Museo	Building detail	14 april 2022	spring	https://www.instagram.com/p/CcSvjERLYMO/
2	o	#tourismodefaro		Praça Dom Marcelino Franco, Faro	Portuguese	O centro histórico de Faro revela-nos muitas surpresas e uma delas é o Palacete Belmarço, um exemplo raro da arquitectura revivalista e arte-nova no Algarve, projectado em 1912 por Norte Júnior para um rico comerciante de café.	Faro's historic center reveals us many surprises and one of them is the Belmarço Palace, a rare example of revivalist architecture and a new art in the Algarve, projected in 1912 by Norte Júnior to a rich coffee merchant.	pt	#faroportugal #turismodefaro #algarve #visitportugal #super_portugal #wow_portugal #olhar_de_portugal #amar_portugal #olhoportugues #portugal_lovers #amar_portugal #portugalemperspectiva #brasileirosemportugal #exploringportugal #diasdeportugal #beautifuldestinations #seemycity #bestcitybreaks #travelpassion #visiteurope #map_of_europe #incredible_europe	Building	5 february 2022	winter	https://www.instagram.com/p/CZmodhLsnLe/

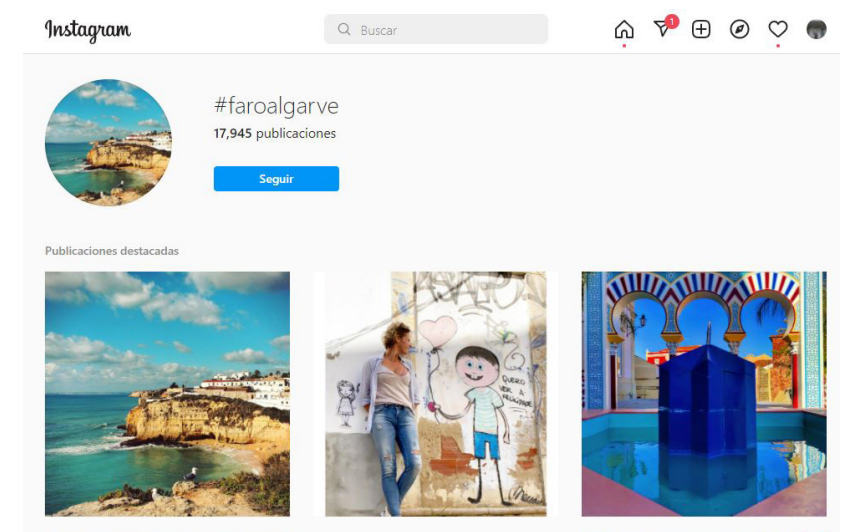
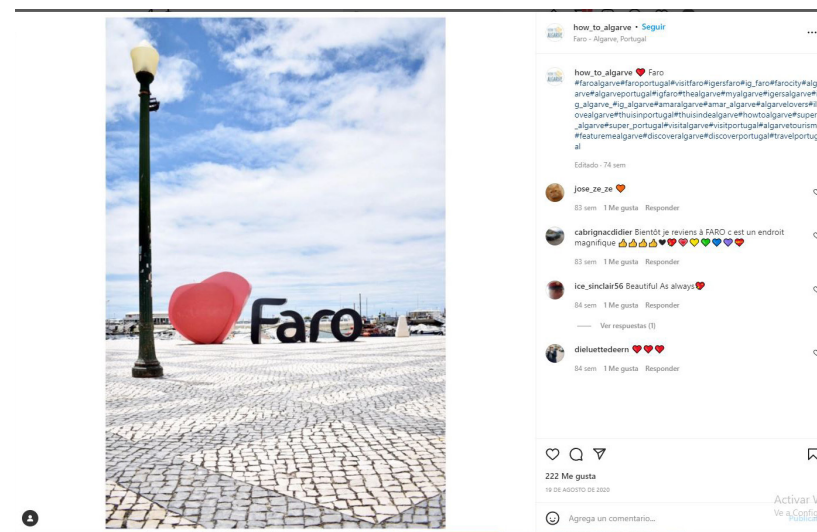
SOCIAL MEDIA ANALYSIS

INSTAGRAM Footprint, convenience and familiarity

Hashtags Gathering points, common topics, location

Categorization Local/Tourist post, language, location, attribute type, etc

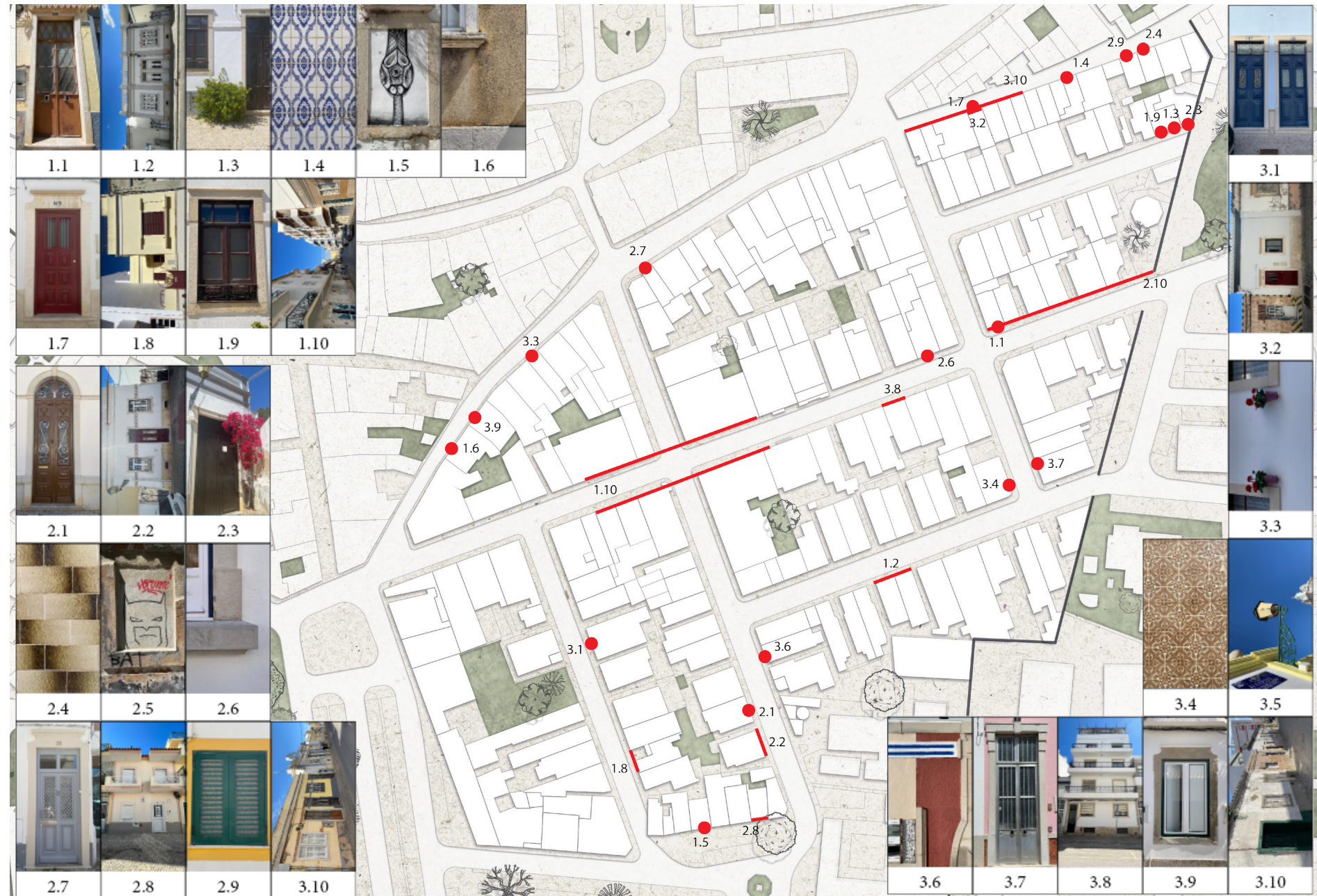
Scraping and deleting Due to irrelevance for research and timeframe. Past year only.



Subject: P5	6
File: Presentation	https://www.instagram.com/ Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
	Date: 17/01/23

Pride
 Memories
 Cheap
 Expensive
 Affordable
 Legal
 Illegal
 Typical
 Classic
 Beautiful
 Ugly
 Authentic
 Modern
 Aged
 Healthy
 Sustainable
 Innovative

ECOLOGICAL ESSENTIAL ENVIRONMENTAL [COLE.2275]	SOCIAL EMOTIONAL (IND.) EMOTIONAL (COLL.) ALLIANCE [SPAR.1877]	ECONOMIC USE NON-USE ENTERTAINMENT ALLIANCE [COE.18]
AGE ESSENTIAL ENVIRONMENTAL [SPAR.1877]	VALUES OTHER [1877-2005]	POLITICAL EDUCATIONAL MANAGEMENT ENTERTAINMENT DYNAMIC [BOMOS.196]
SCIENTIFIC TECHNOLOGICAL CONCEPTUAL [HBA.1904]	AESTHETICAL ARTISTIC VISUAL CONCEPTUAL ENVIRONMENTAL [SPAR.1877]	HISTORIC EDUCATIONAL HISTORIC-ARTISTIC HISTORIC-CONCEPTUAL DYNAMIC ARCHAEOLOGICAL [SPAR.1877]



O JOGO DE PALAVRAS

WORDS / HASHTAGS

Sao Francisco Facades attributes

Game Mechanics

Subject: P5	7
File: Presentation	Tourism Group Map
Location: Sao Francisco, Faro. Portugal	Student: Krist Van Herck
	4631641
	Date: 17/01/23

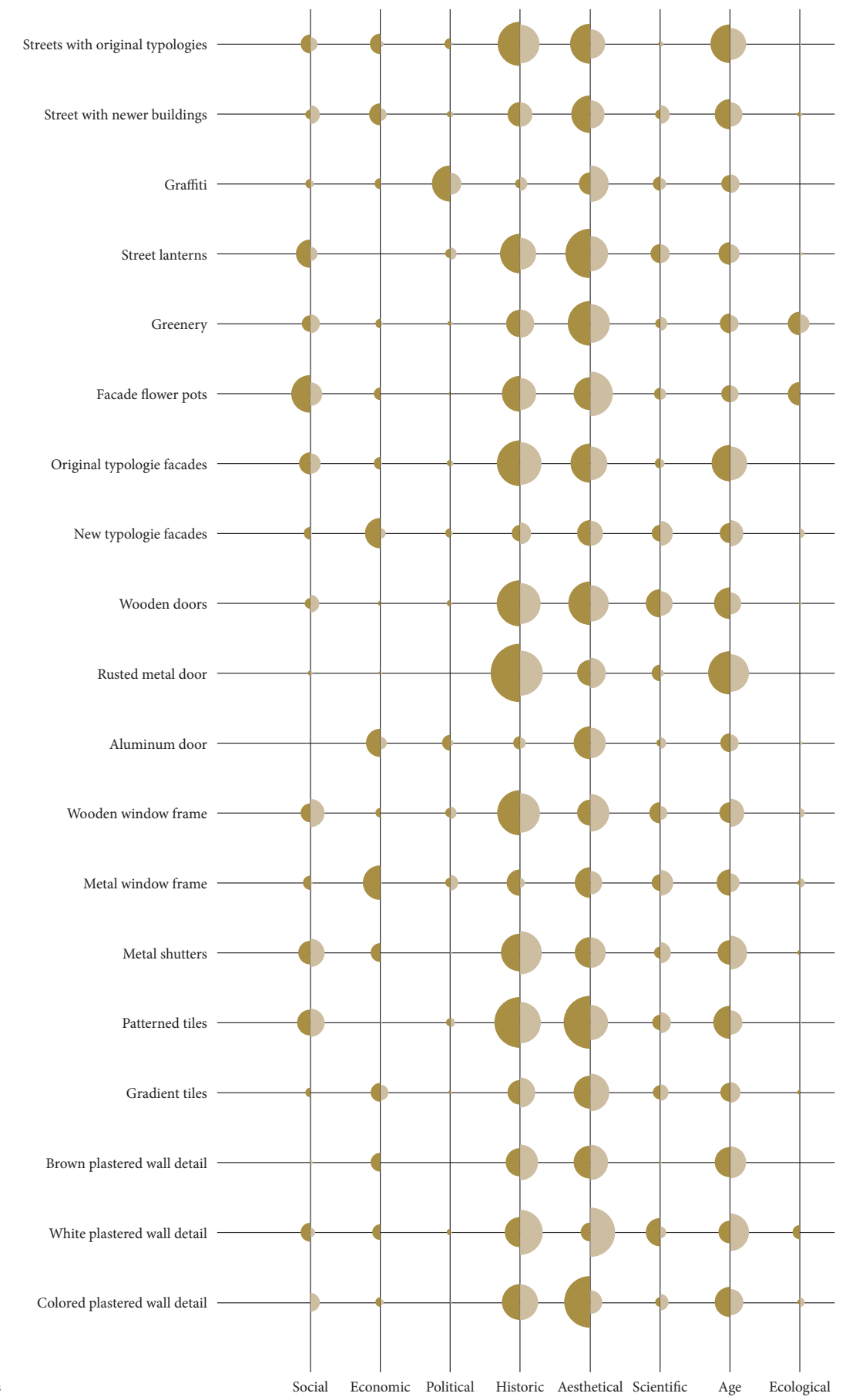


GAME RESULTS

- Local and tourist difference in approach
- Not everyone wants to join
- Short game was convenient for local workers

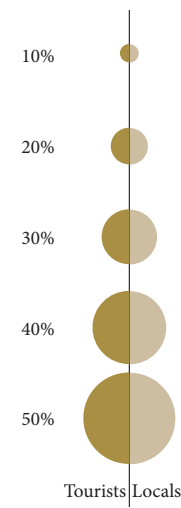
Hashtag	Value	Value	Value	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals
Pride	Social	Political				20,00%	6,67%	6,67%	6,67%	6,67%	6,67%	6,67%	20,00%	13,33%	6,67%		6,67%
Memories	Social	Historic		6,67%	6,67%		26,67%		40,00%	6,67%	6,67%	46,67%	20,00%	13,33%	26,67%	20,00%	13,33%
Expensive	Economic											13,33%			6,67%	6,67%	
Cheap	Economic			6,67%	6,67%							6,67%	13,33%		6,67%	6,67%	
Affordable	Economic											6,67%		33,33%	6,67%		13,33%
Legal	Political							6,67%				6,67%		6,67%		13,33%	6,67%
Illegal	Political							6,67%									
Typical	Historic	Aesthetical	Age	33,33%	40,00%	40,00%	53,33%	53,33%	26,67%	40,00%	53,33%	53,33%	46,67%	66,67%	26,67%	26,67%	26,67%
Authentic	Historic	Aesthetical	Age	33,33%	6,67%	80,00%	20,00%	46,67%	33,33%	20,00%	46,67%	33,33%	13,33%	33,33%	6,67%	26,67%	26,67%
Beautiful	Aesthetical			6,67%	6,67%	13,33%	40,00%	66,67%	33,33%	26,67%	33,33%	6,67%		6,67%	33,33%	53,33%	
Ugly	Aesthetical				33,33%		6,67%			13,33%			20,00%	40,00%	33,33%	6,67%	6,67%
Classic	Historic	Scientific		46,67%	20,00%	86,67%	60,00%	66,67%	46,67%	26,67%	26,67%	13,33%	13,33%	20,00%	13,33%	20,00%	26,67%
Innovative	Scientific	Age									6,67%		6,67%				
Aged	Age	Historic		86,67%	86,67%	6,67%	13,33%			20,00%	20,00%	60,00%	73,33%	33,33%	60,00%		
Modern	Age	Scientific				6,67%	13,33%			26,67%							
Sustainable	Ecological	Scientific									6,67%					20,00%	20,00%
Healthy	Ecological														33,33%	26,67%	

Value	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals
Social	1	1	3	5	1	7	2	2	8	6	4	5	3	3		
Economic	1	1					4		2		6	3	3	1		
Political			3	1	1	3	2	1	2	4	2	1	2	2		
Historic	31	24	32	26	25	22	17	23	31	25	25	20	14	14		
Aesthetical	11	13	20	18	25	14	15	20	14	12	21	11	14	17		
Scientific	7	3	13	10	12	7	8	6	2	3	3	2	6	7		
Age	23	20	19	14	17	9	16	19	22	21	20	14	8	8		
Ecological								1					8	7		



GAME RESULTS

- Agreements and disagreements standing out
- Historical & Aesthetical recurrence
- Ecological and Political rare
- Tourist group focused on Economical
- Local group focused on building details



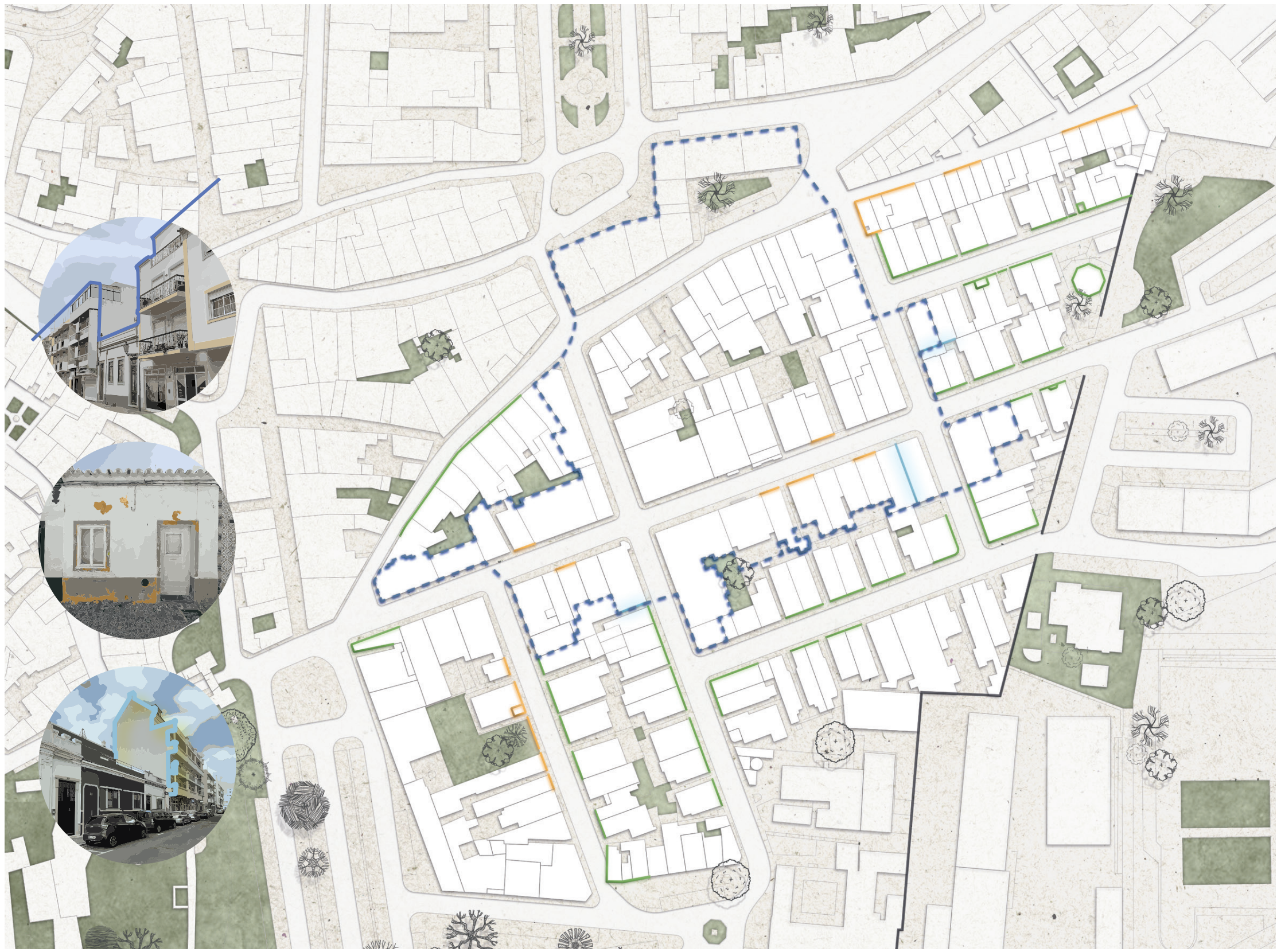


Figure 7. The Masterplan

■ highrise area
 ■ Potential
 ■ Conserve
 ■ Opportunity for street art

Masterplan

Starting point for design

Result of research and fieldwork

Subject: P5	11
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DESIGN

RETHINKING THE RUIN

Redesigning based on values conveyed by locals and tourists in Faro, Portugal

Subject: P5	12
File: Presentation	Tourism Group Pictures Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
	Date: 17/01/23

Ruin
Definition

Noun

The broken parts that are left of an ancient building or town

Cambridge Dictionary

Every building must be able to become a smart ruin, this means that the architect must develop the vision that transcends its time

Bob van Reeth

Smart
Definition

Adverb

In a clever and effective way

Cambridge Dictionary

Subject: P5	13
File: Presentation	https://dictionary.cambridge.org/dictionary/english/ruin Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	https://dictionary.cambridge.org/dictionary/english/smart 4631641
	Date: 17/01/23



La Fabrica

Barcelona

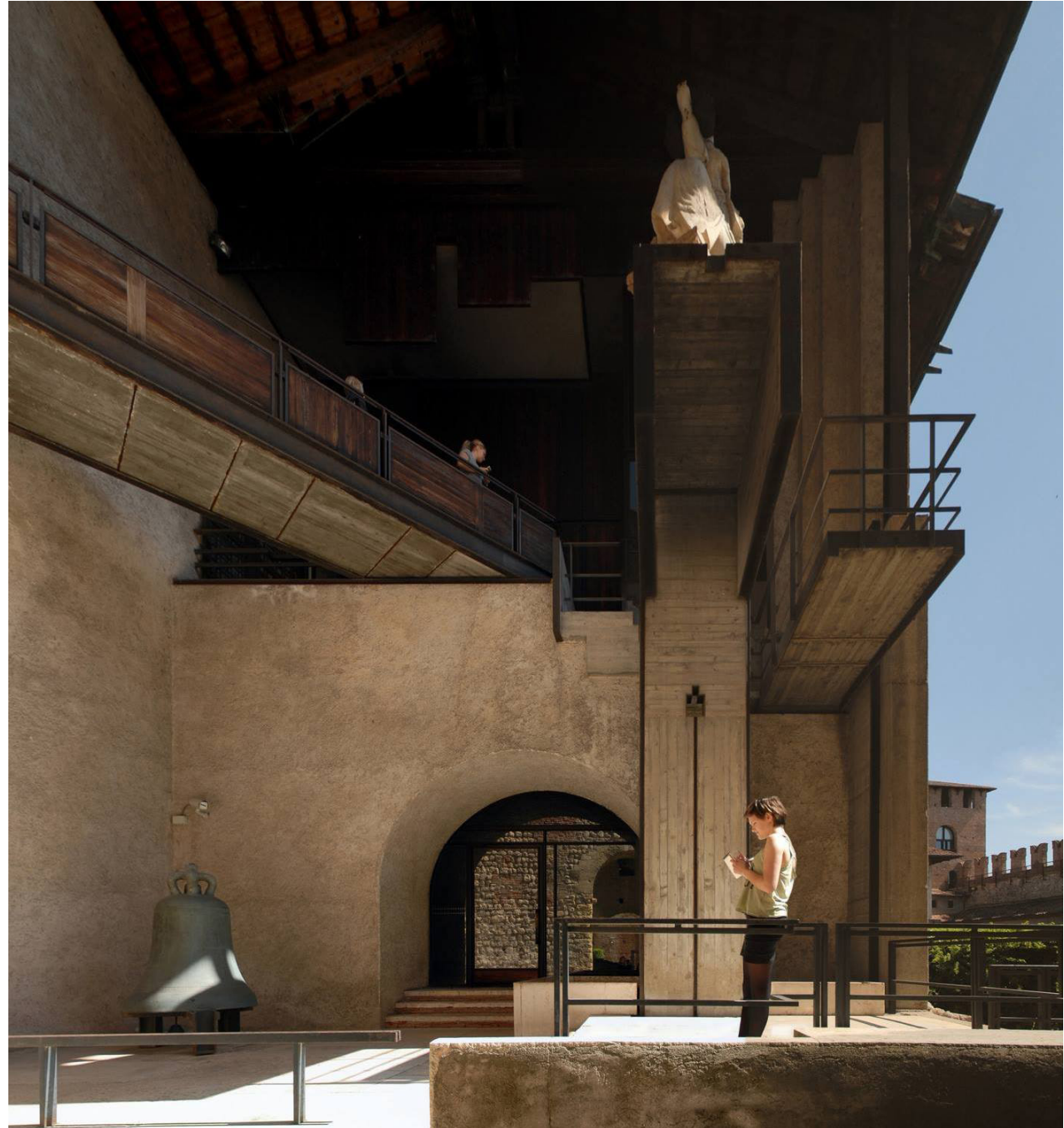
Ricardo Bofill

Home and Atelier

From polluting industrial settlement to laboratory of ideas.

Pure volumes, revealing themselves broken and raw.





Castelvecchio

Verona

Carlo Scarpa

Very smart ruin

The castle, built between 1354 and 1356.
Scarpa's intervention 1957.

New regulations are established in accordance with post-war restoration theories.

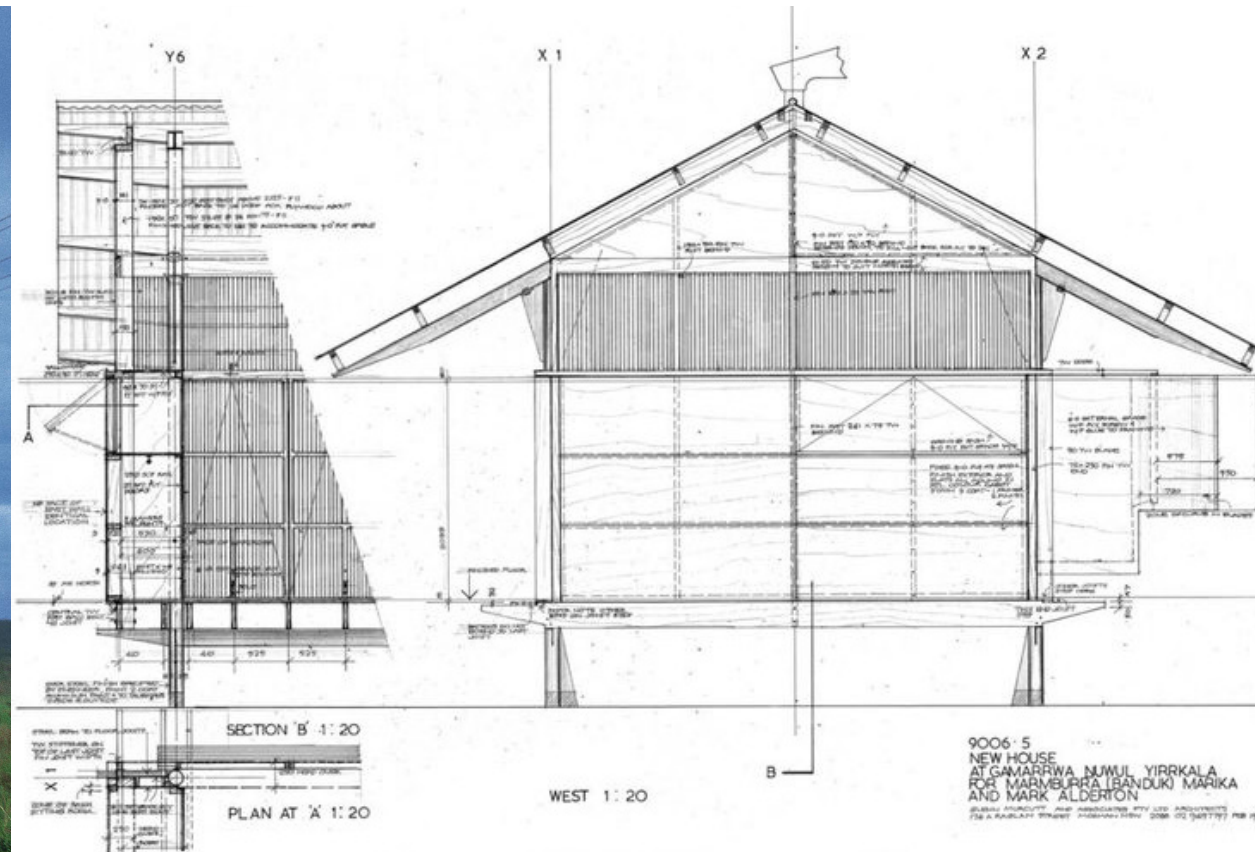
New access roads

New walkways and stairs

New lighting and heating system.

Combination of ancient and modern architecture.

Solutions of great architectural quality to highlight some outstanding points.



Marika Alderton House

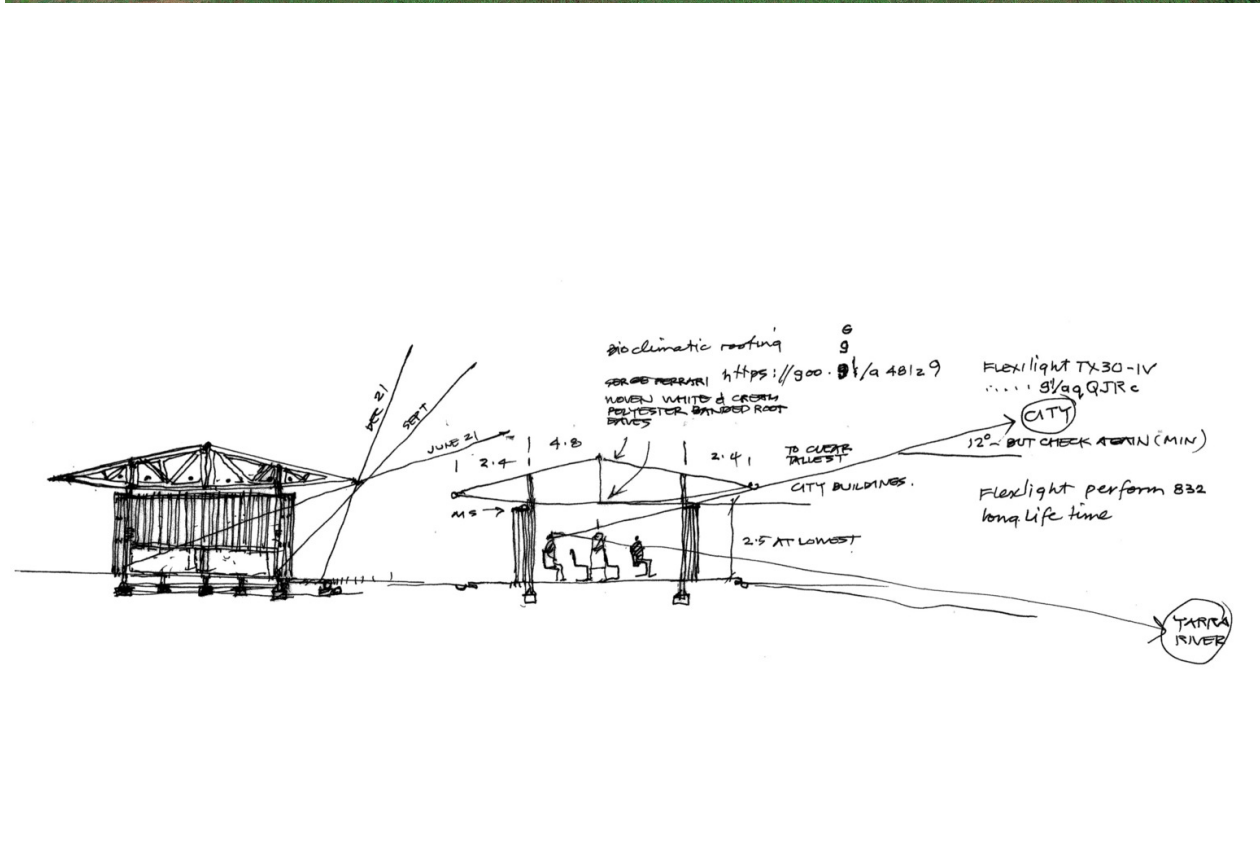
Australia

Glenn Murcutt

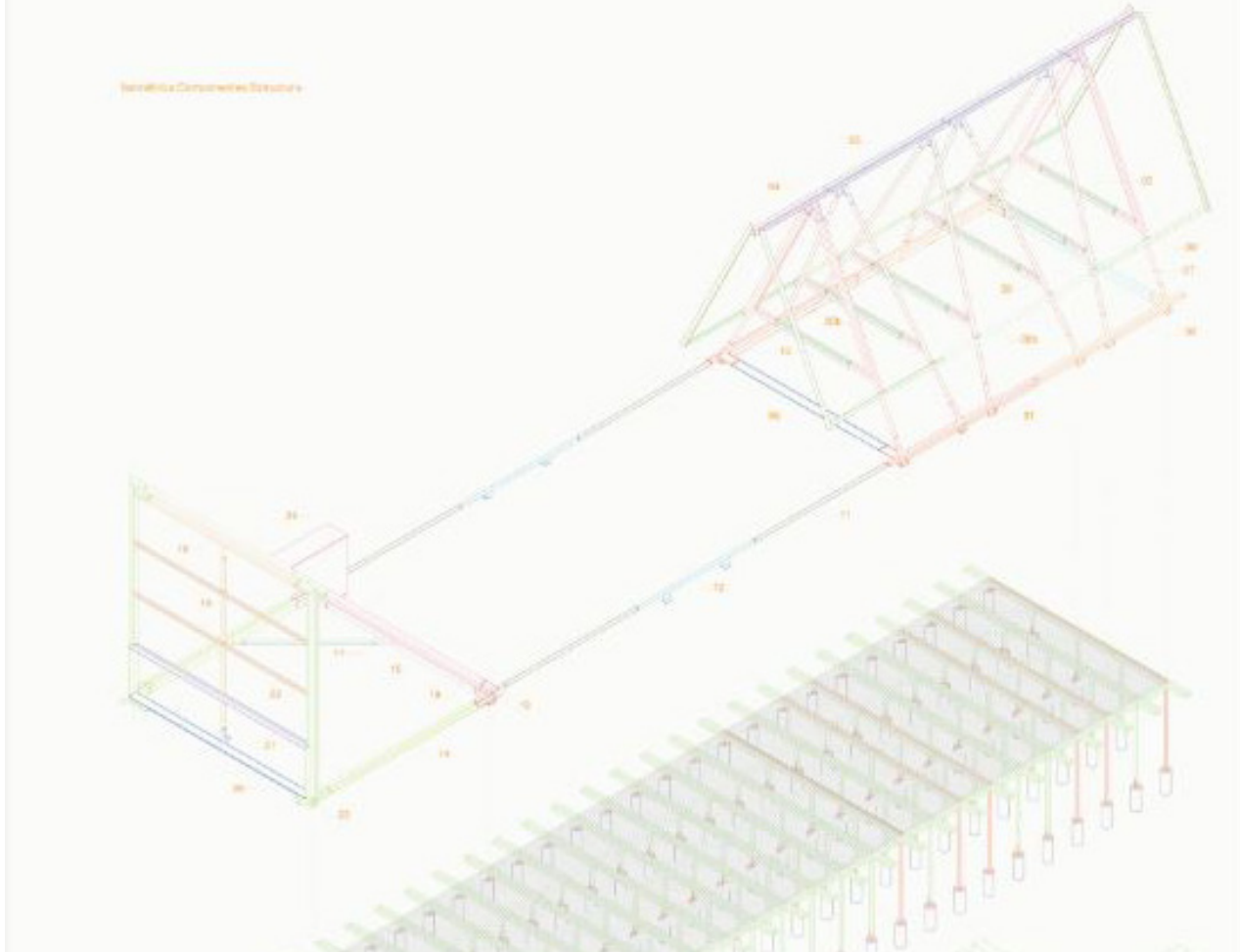
Touching the earth lightly

Self sufficient unit

High performance Detailing



Subject: P5	16
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	Date: 17/01/23



Casa Prisma

Chiloé, Chile

Smiljan Radic

Contrast

Views

Simple shapes

Wooden Frame Repetition

Rythm

Subject: P5

File: Presentation

Location: Sao Francisco, Faro. Portugal

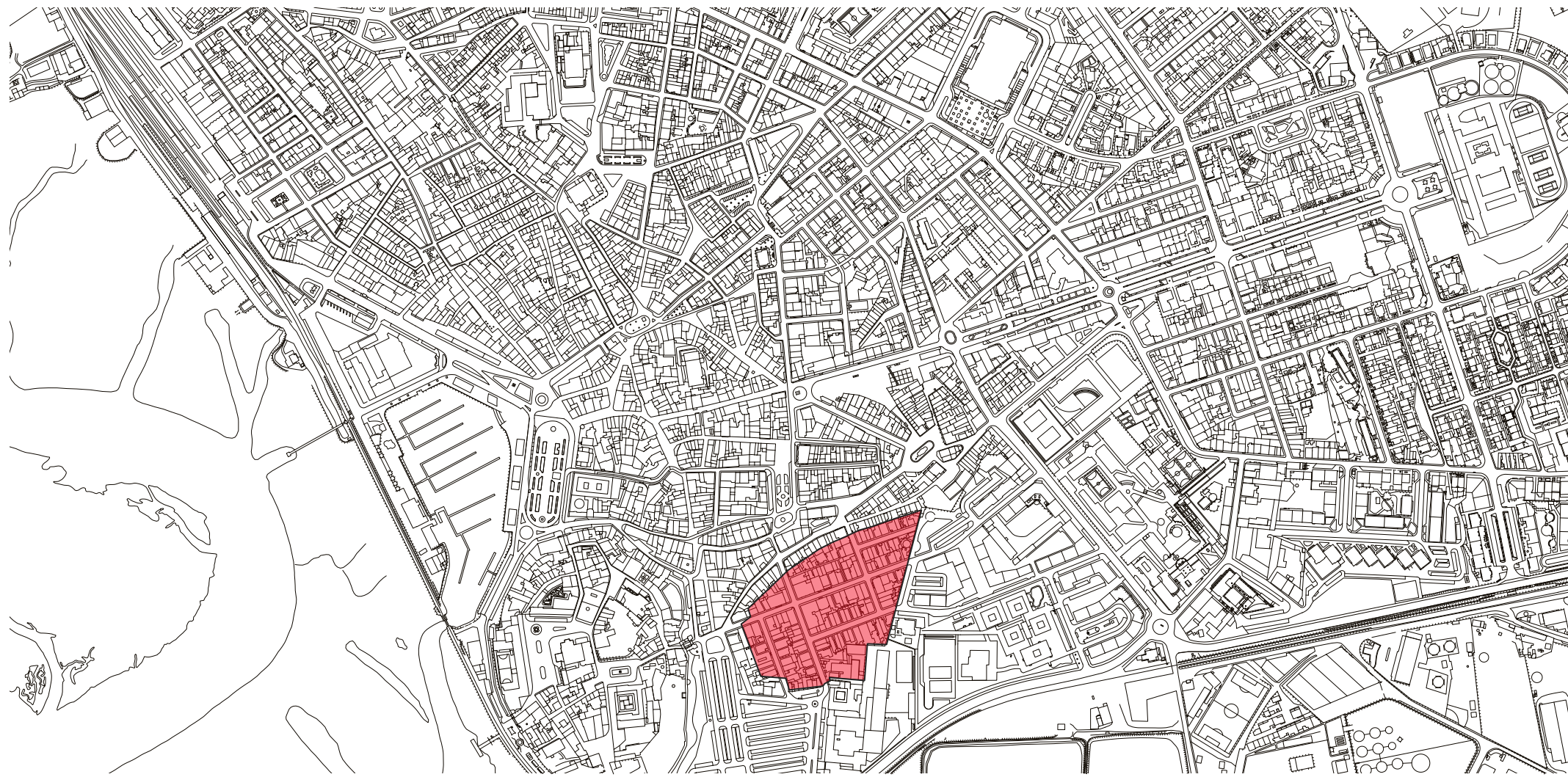
17

<https://www.dezeen.com/2020/09/11/prism-house-room-smiljan-radic-conguillio-chile/>

Student: Krist Van Herck

4631641

Date: 17/01/23



Sao Francisco, Faro



Subject: P5

File: Presentation

Location: Sao Francisco, Faro. Portugal

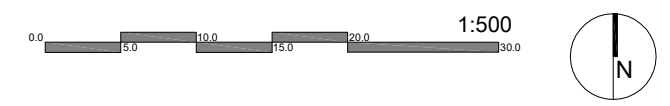
18

Tourism Group Pictures

Student: Krist Van Herck

4631641

Date: 17/01/23



Subject: P5
File: Presentation
Location: Sao Francisco, Faro. Portugal

Own drawing
Student: Krist Van Herck
4631641
Date: 17/01/23

Own Illustration



Plots to intervene



Pictures in site



Subject: P5

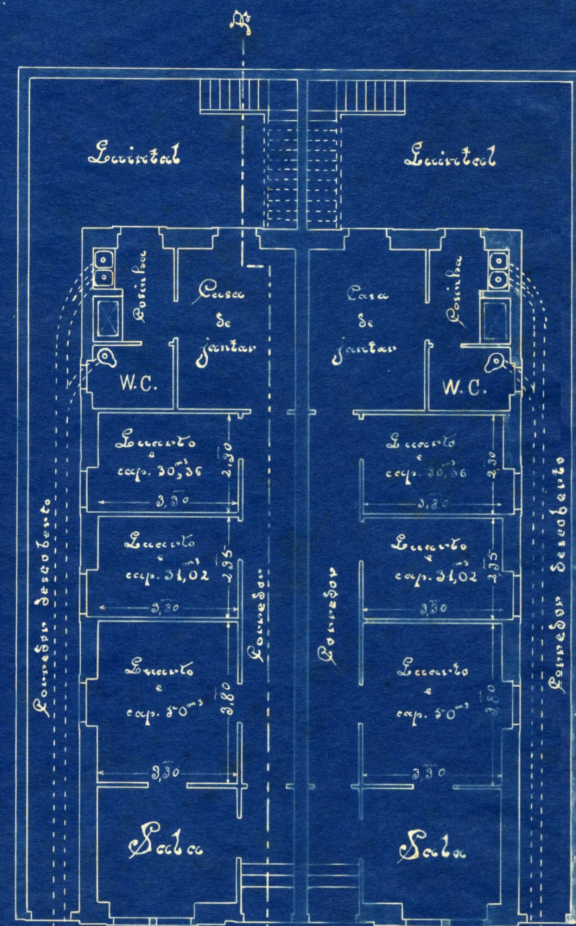


File: Presentation
 Location: Sao Francisco, Faro. Portugal

Tourism Group Pictures / Google maps	20
	Student: Krist Van Herck
	4631641
	Date: 17/01/23

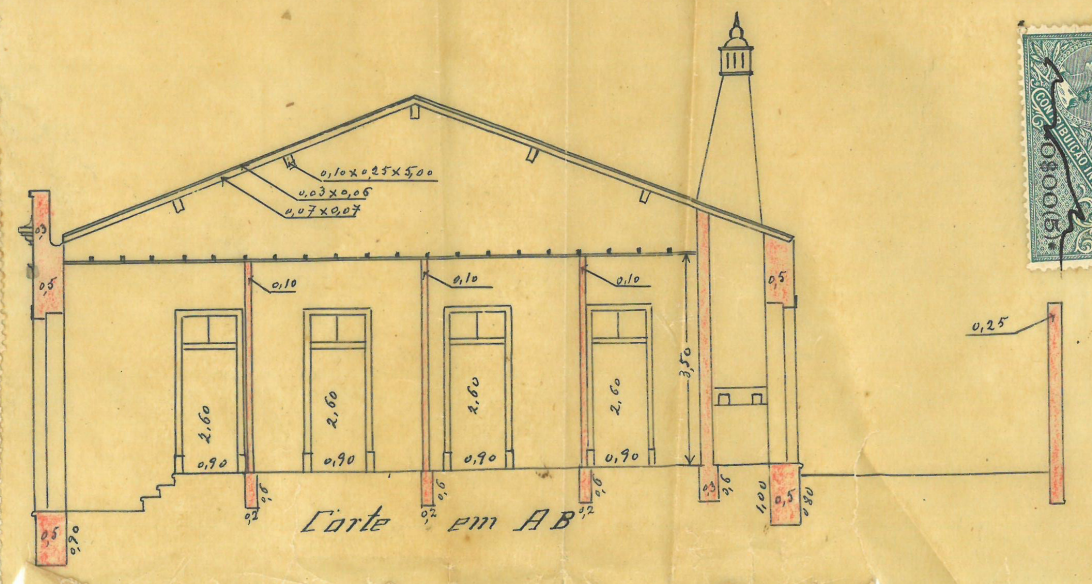
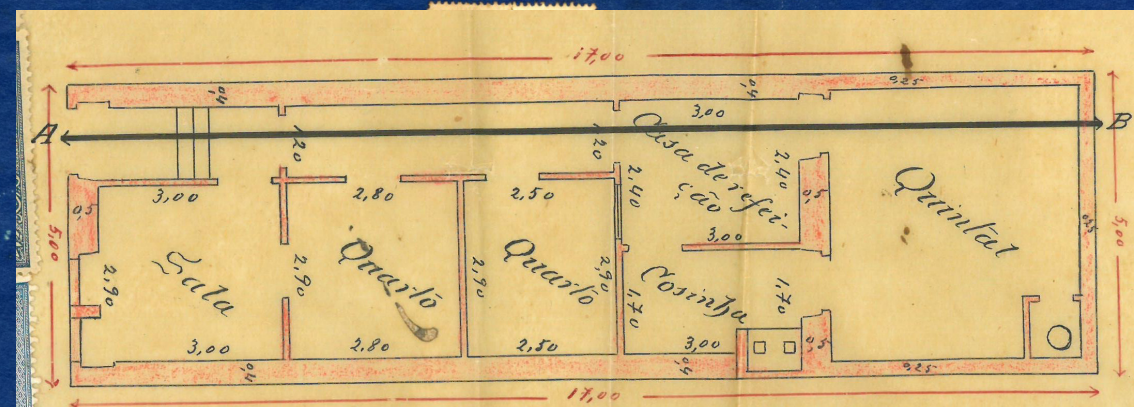
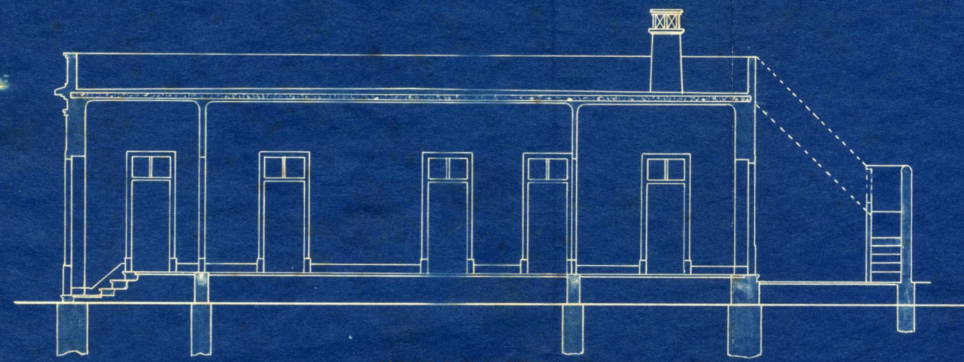
Projecto de dois jardins que o Sr. José Filipe Paixão deseja construir no terreno que possui na rua projectada N.º 6 no bairro de S. Francisco freguesia da Sé em Faro.

Planta

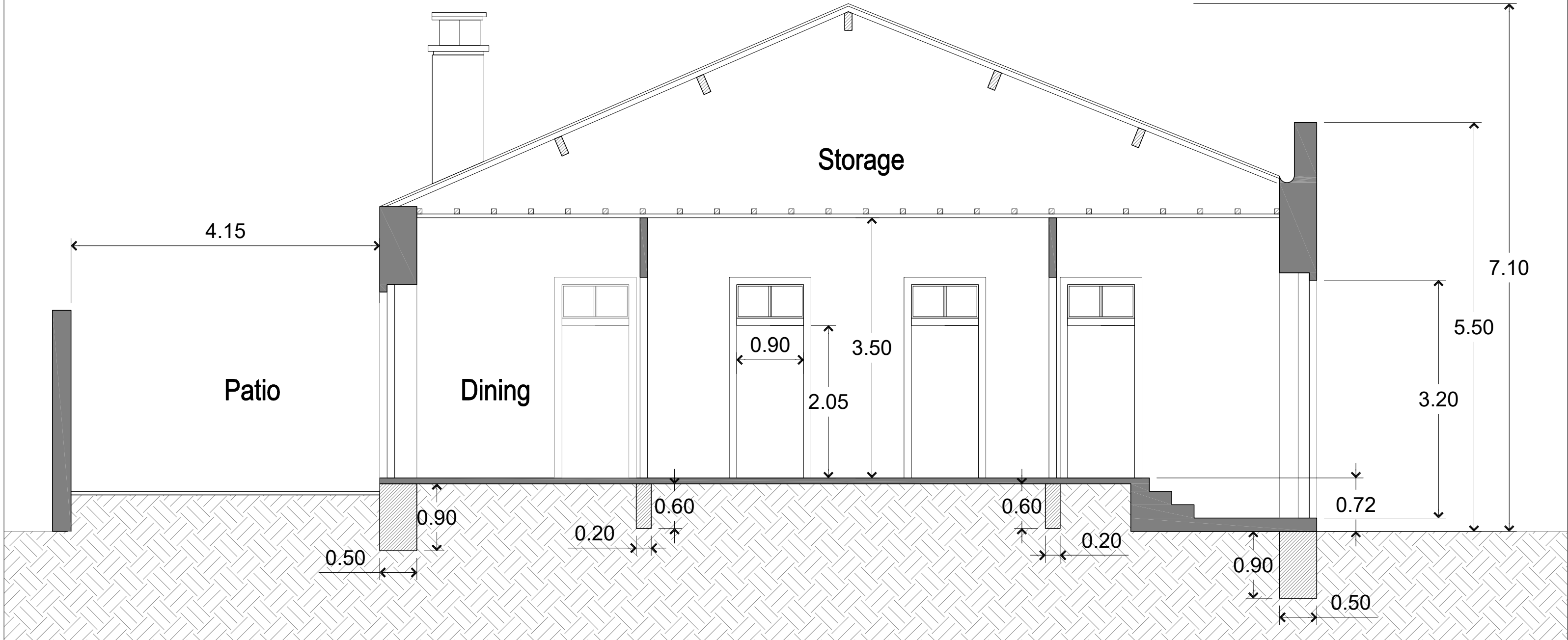


180

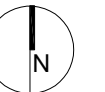
Corte longitudinal por A. B.

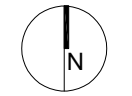
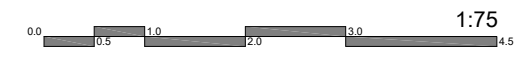
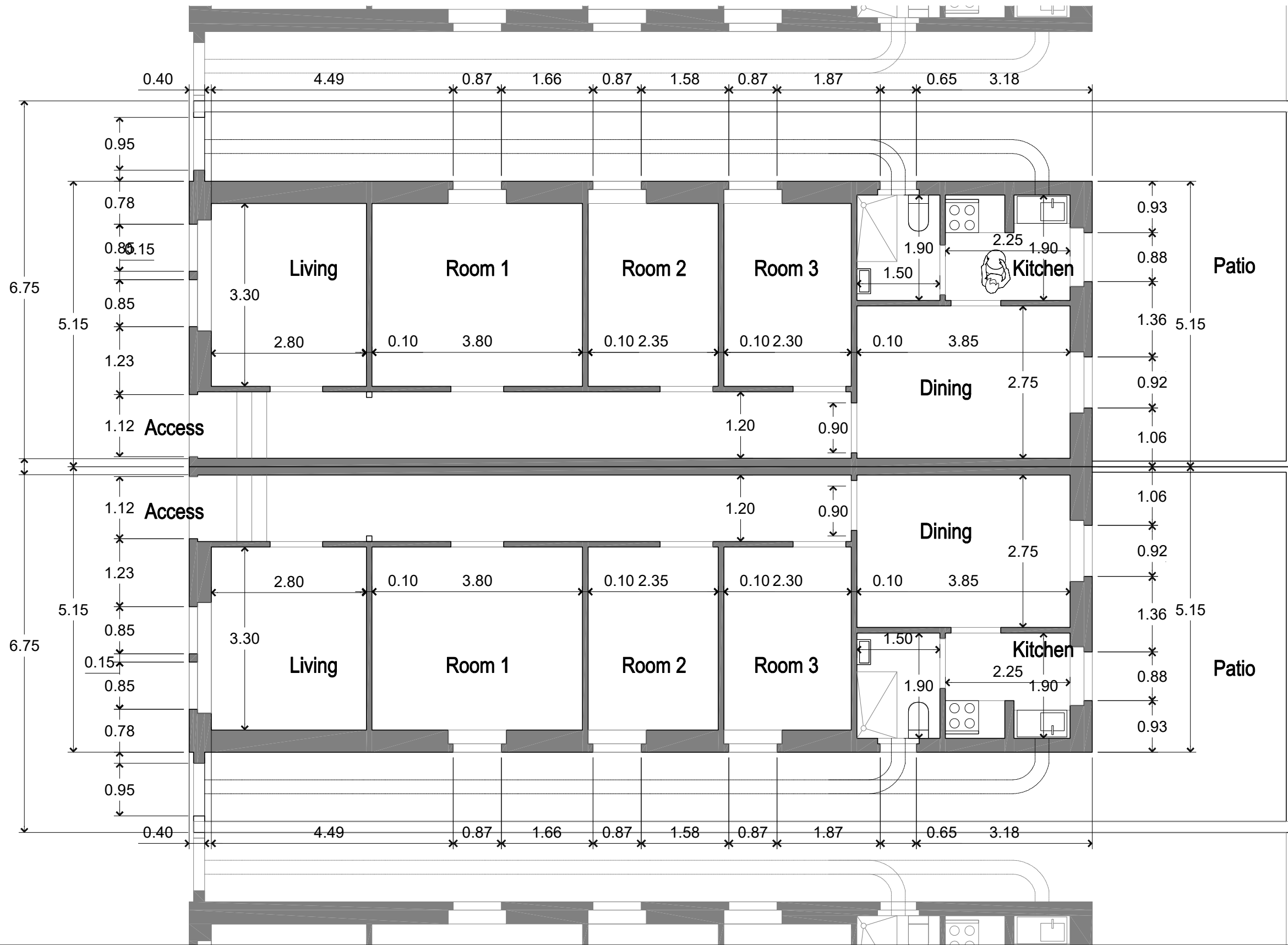


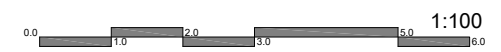
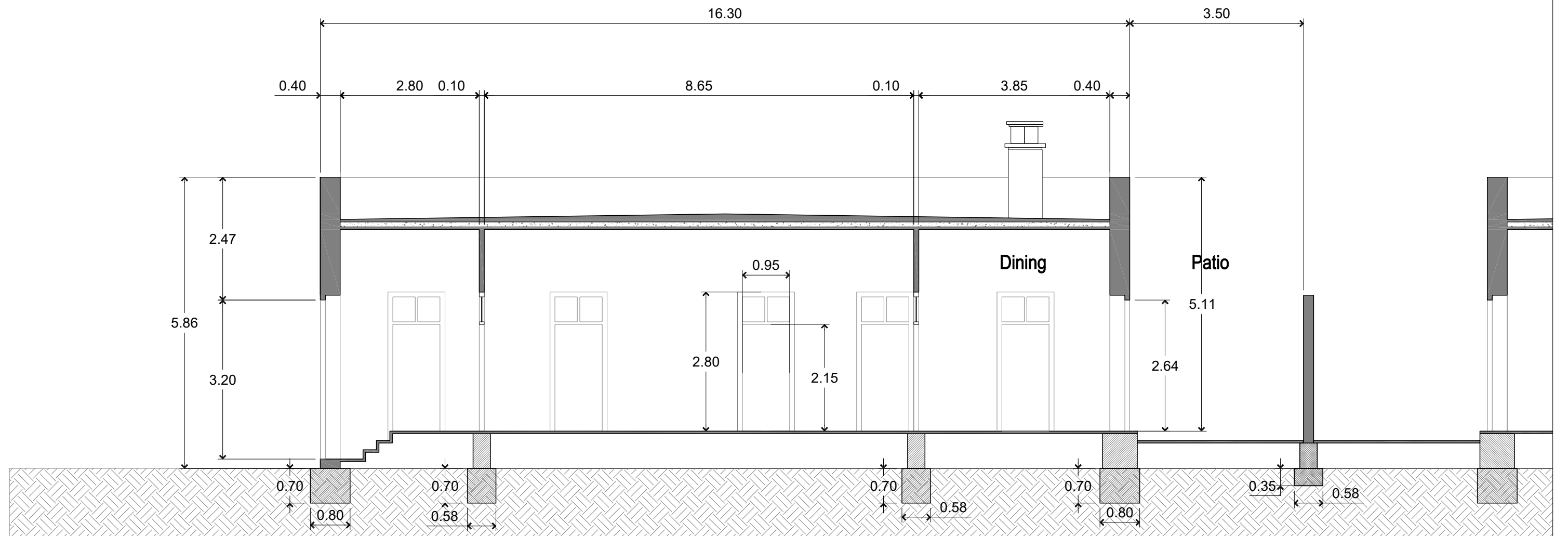
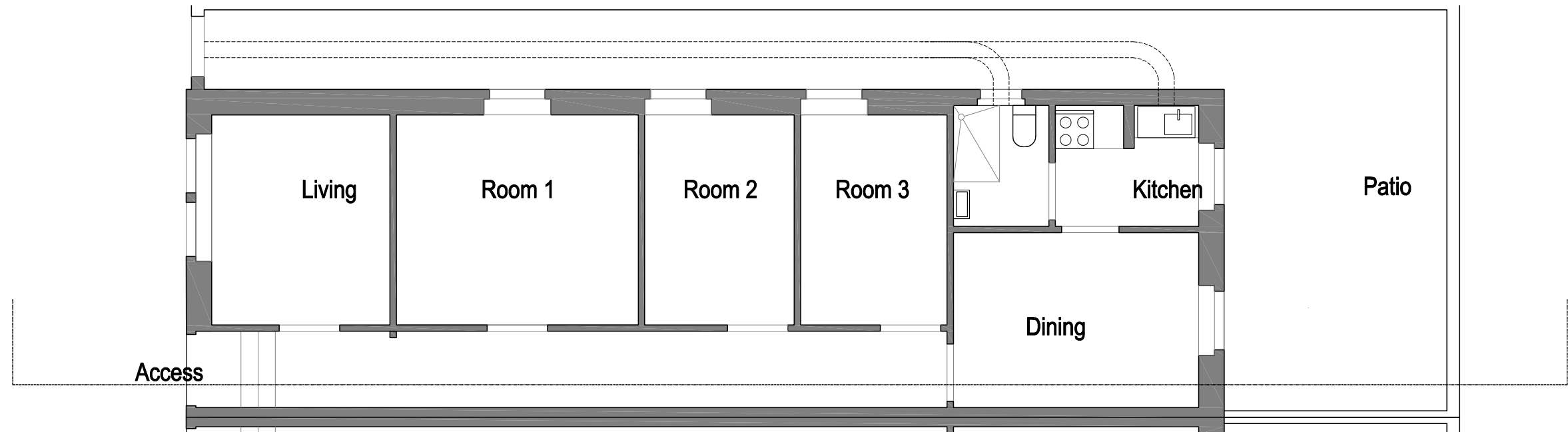


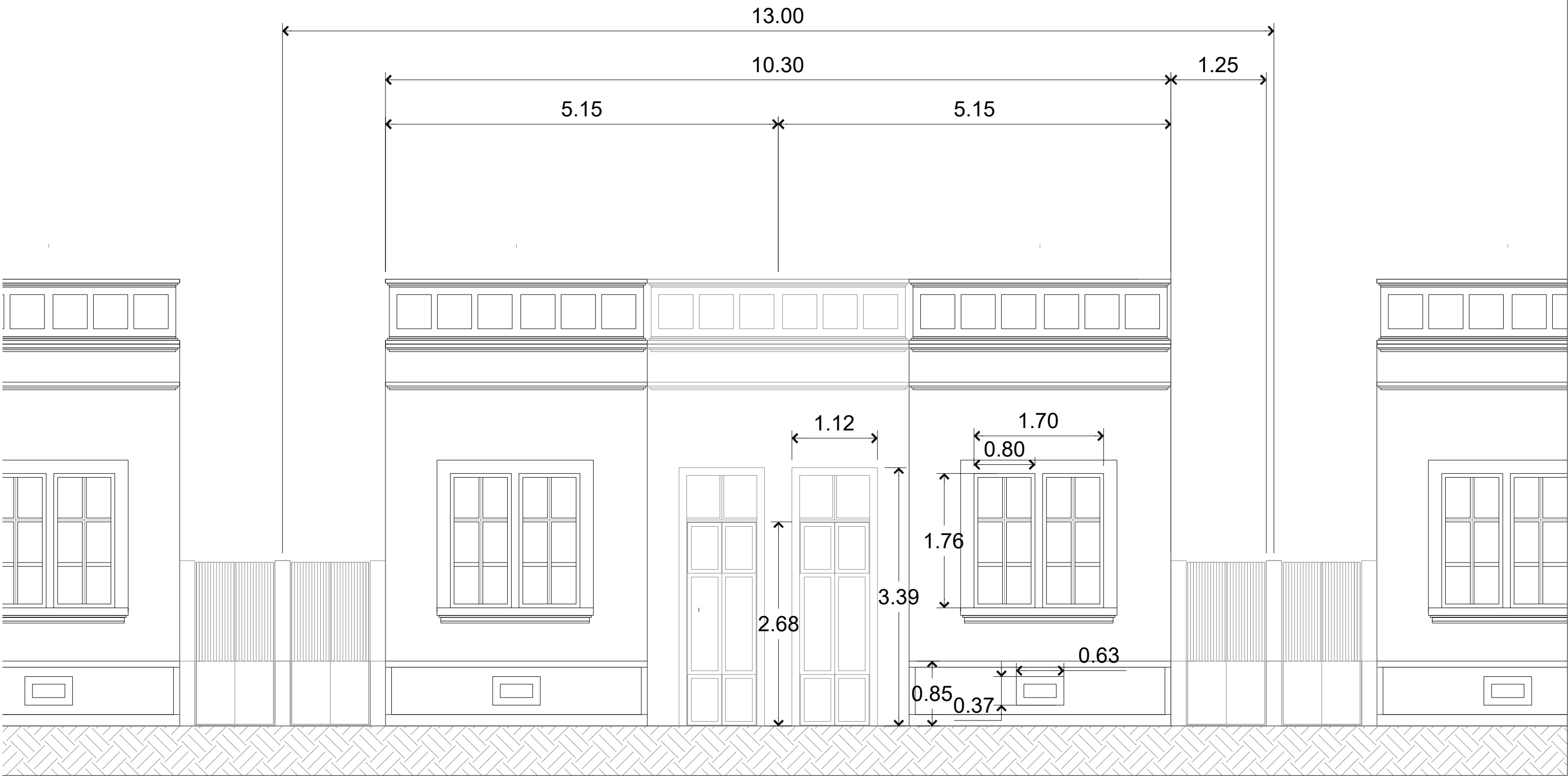


Subject: P5	24
File: Presentation	Student: Krist Van Herck
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	Date: 17/01/23

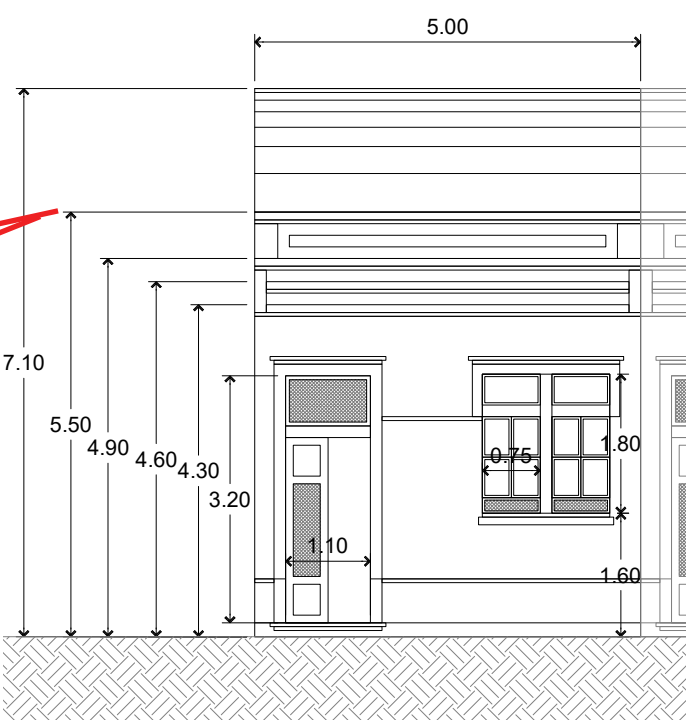
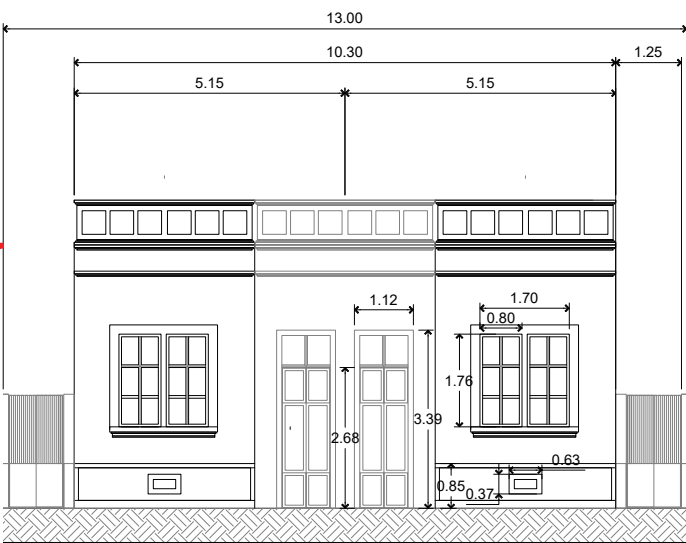




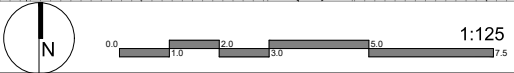




Subject: P5	Own Illustration	28
File: Presentation		Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal		4631641
		Date: 17/01/23



Current Situation

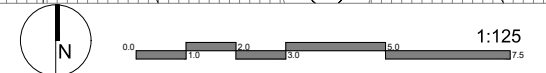


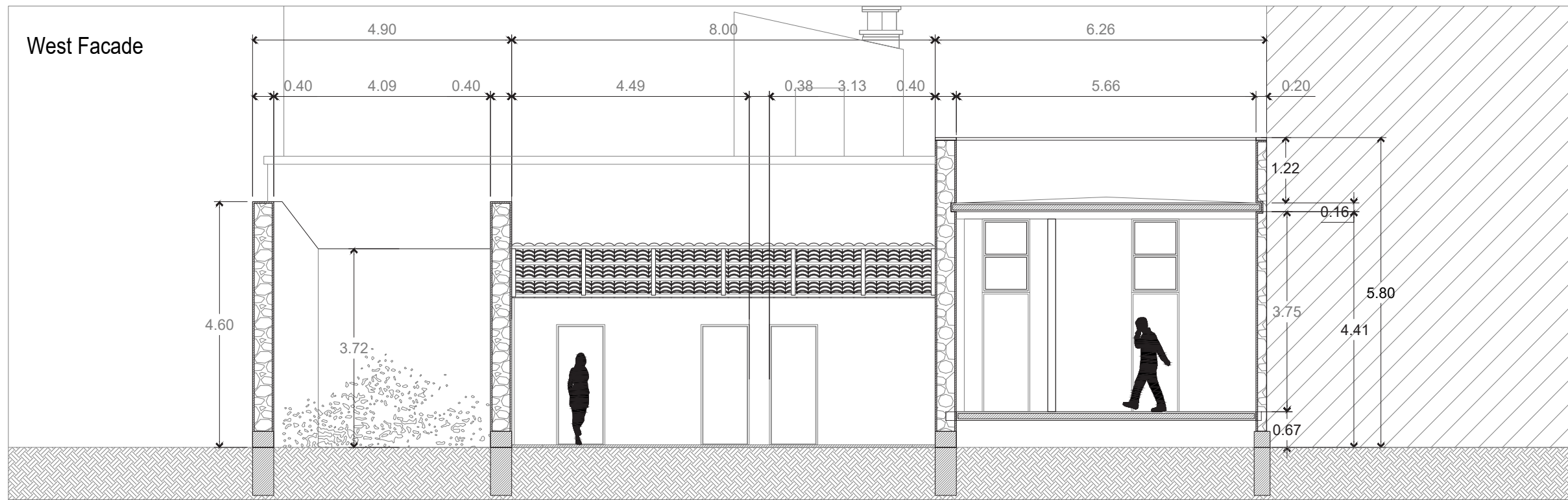
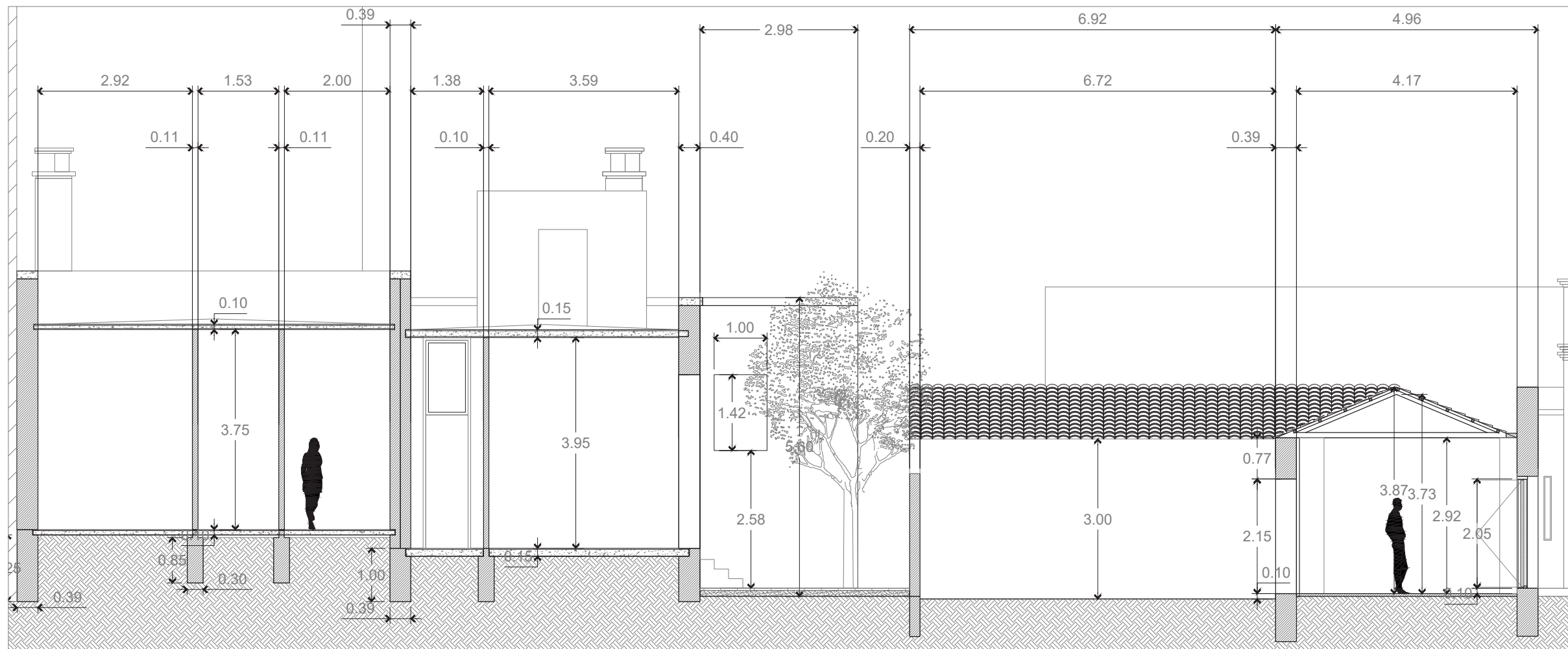
Subject: P5
 File: Presentation
 Location: Sao Francisco, Faro. Portugal

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Own Illustration	Student: Krist Van Herck
	4631641
	Date: 17/01/23

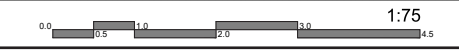


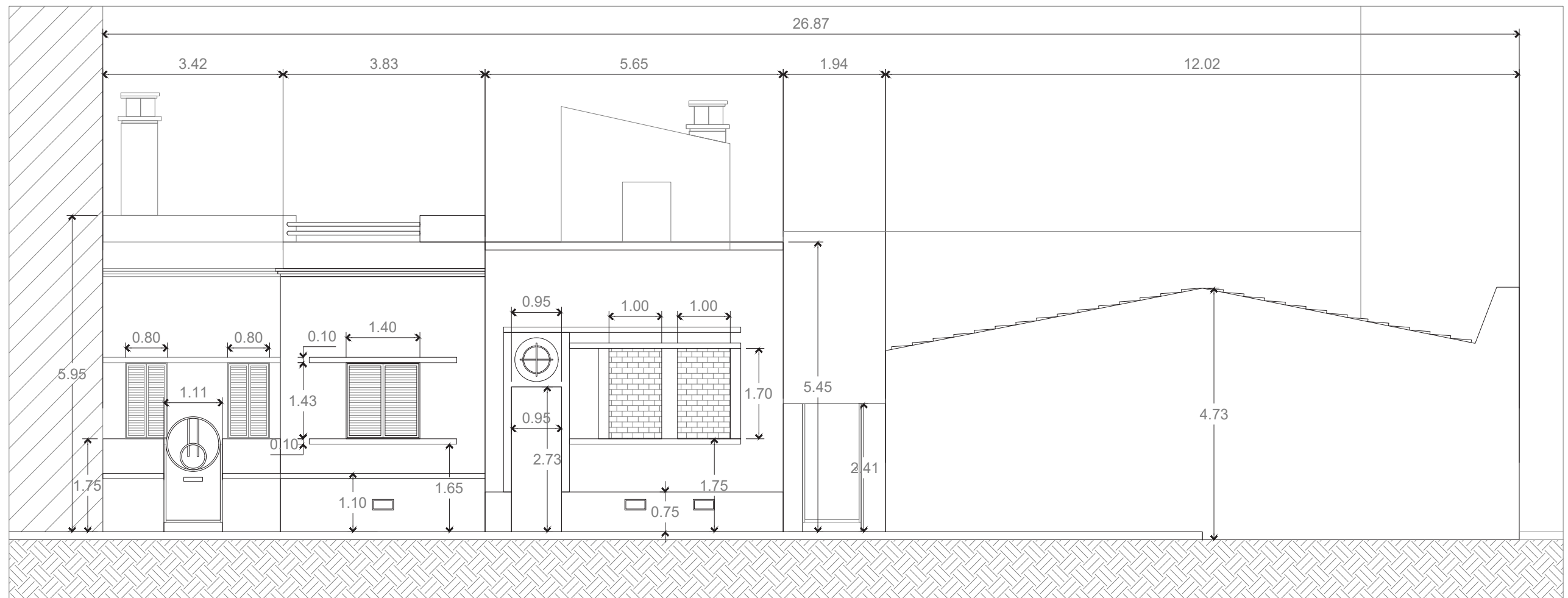
Current Situation



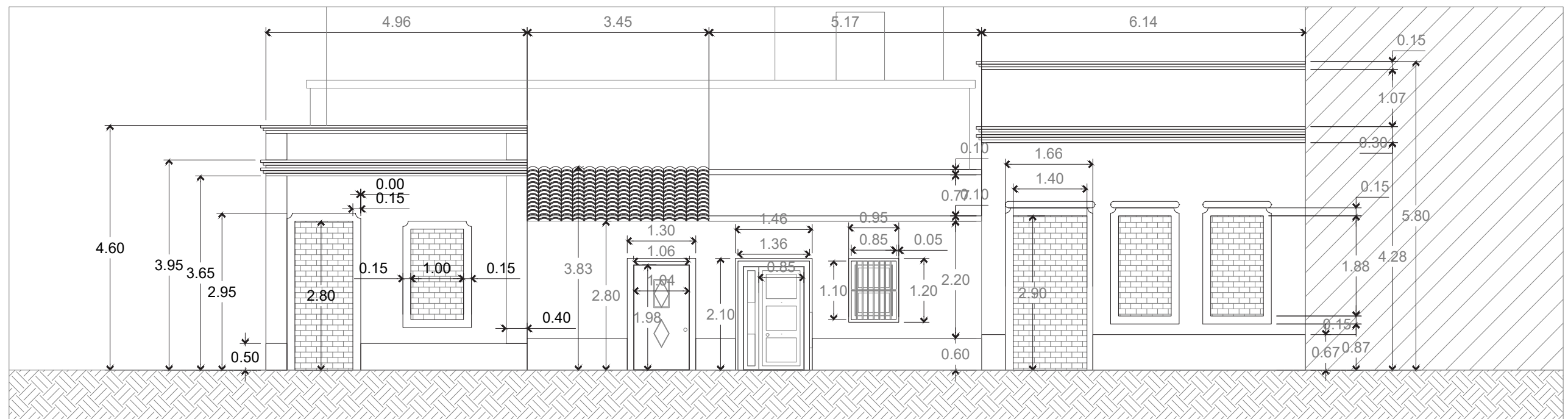


South Facade

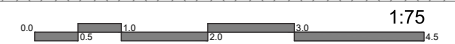


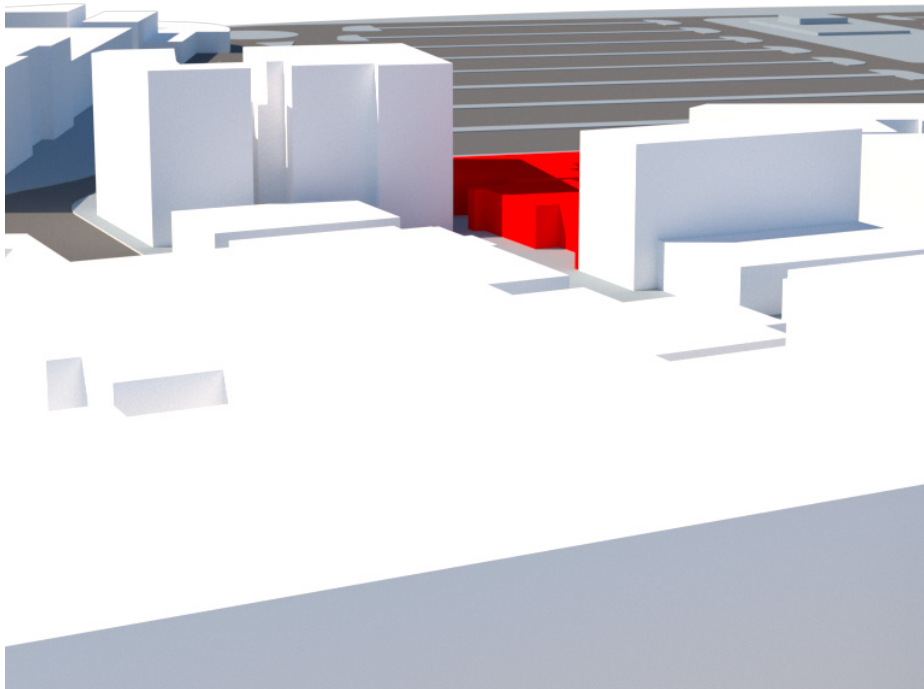
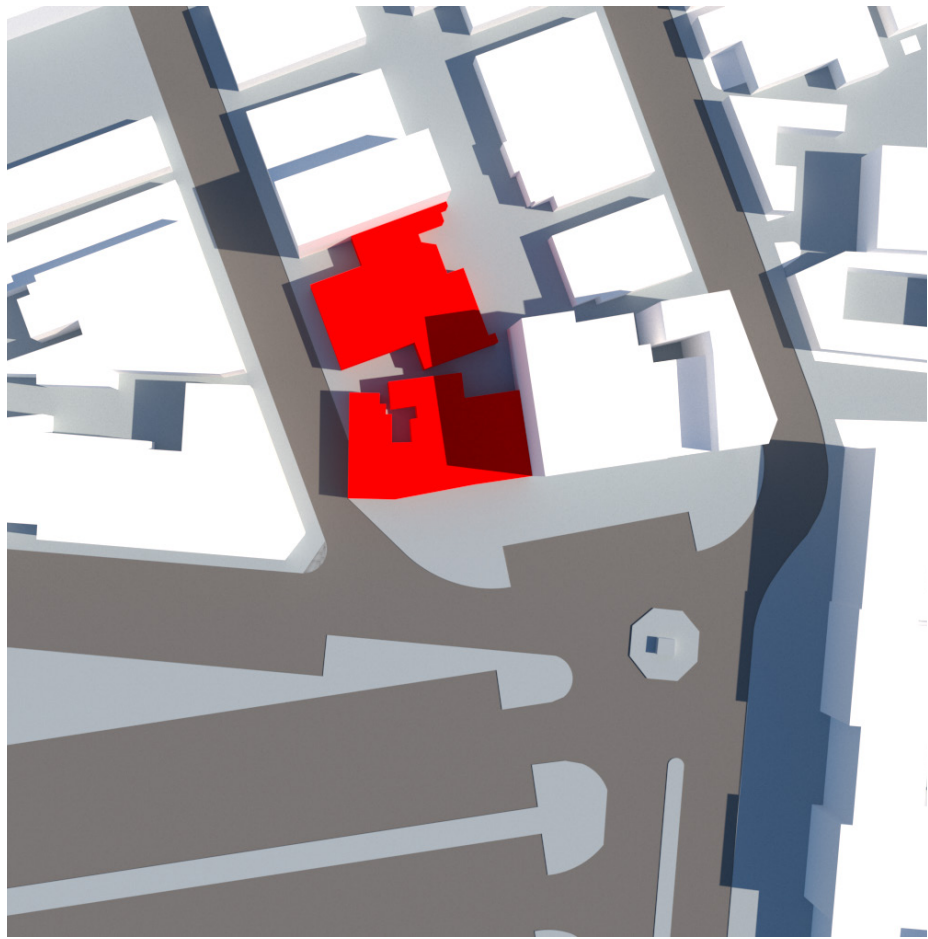
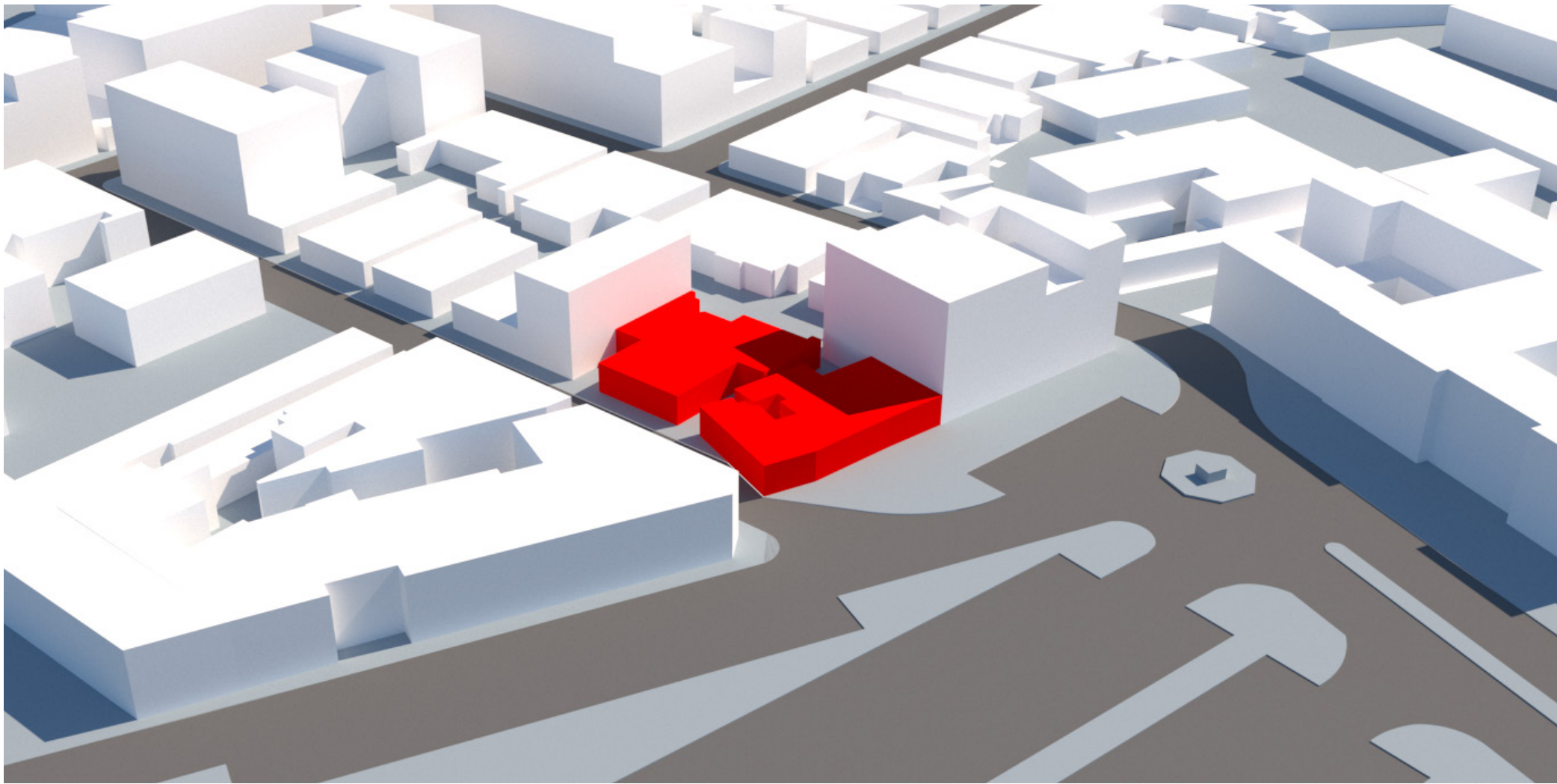


West Facade

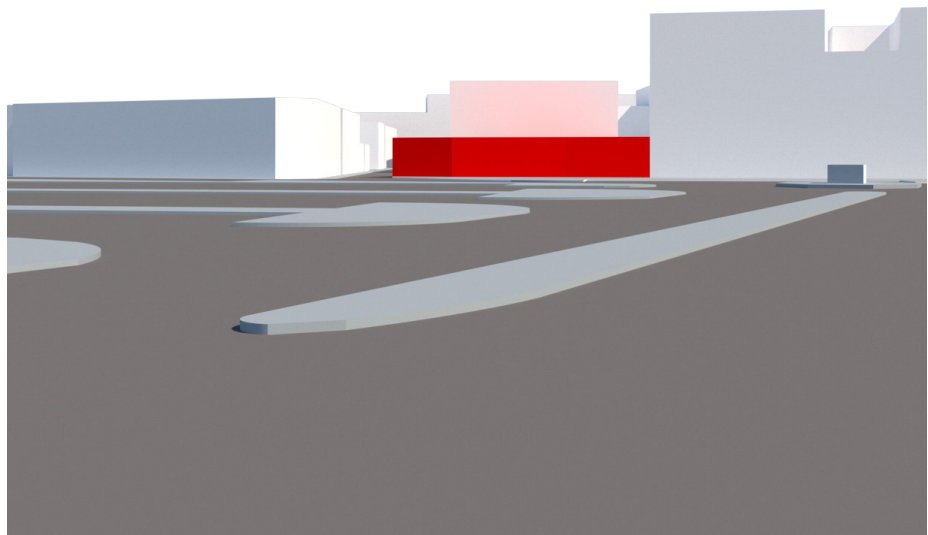
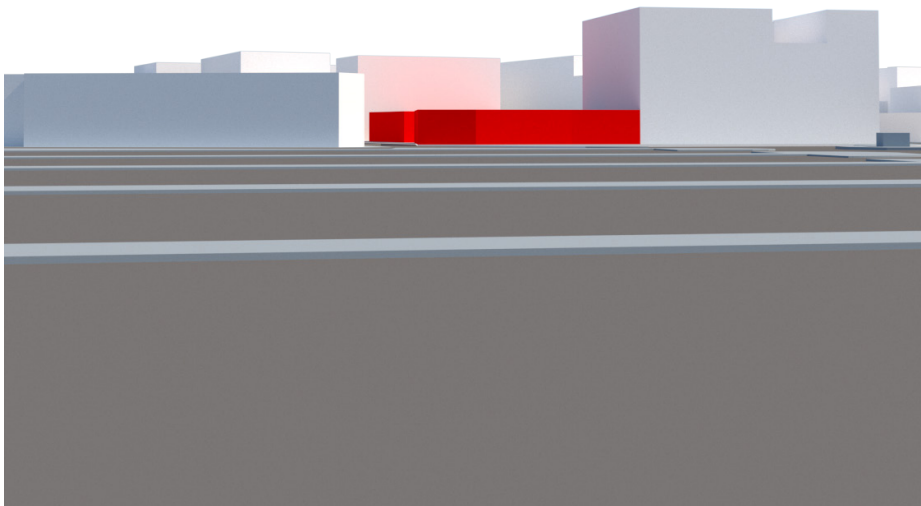


South Facade



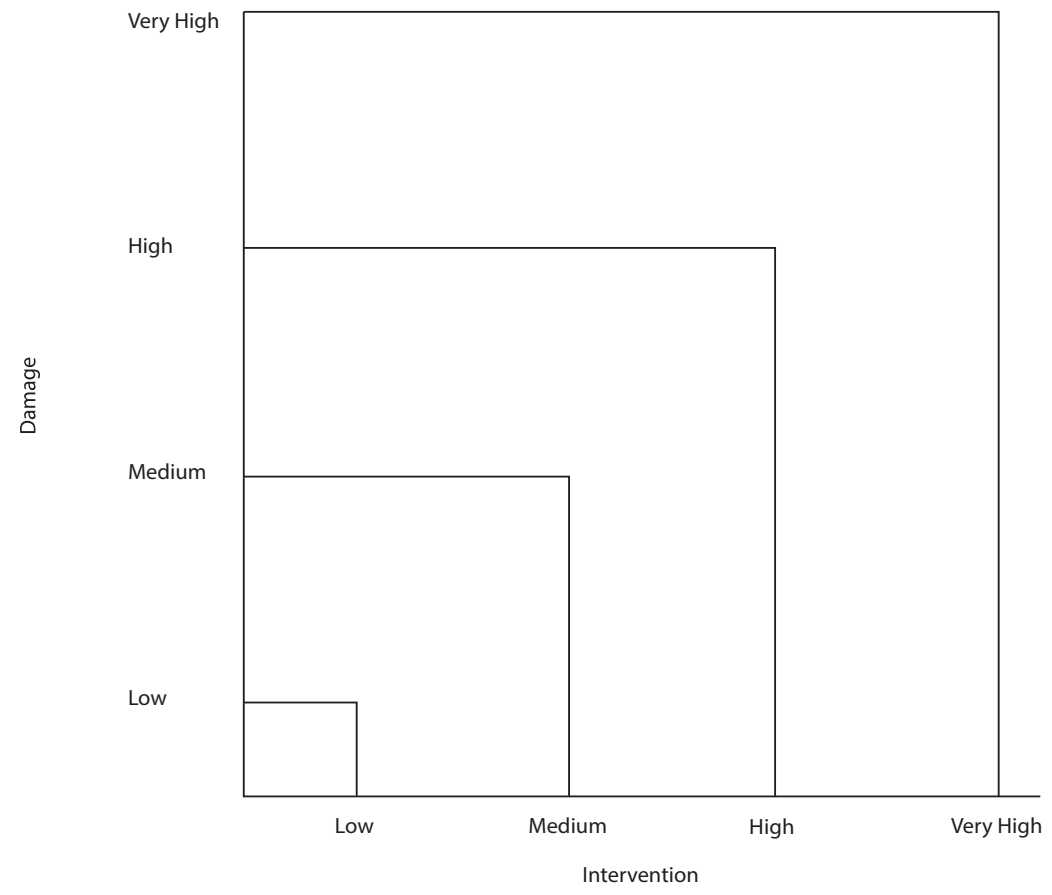


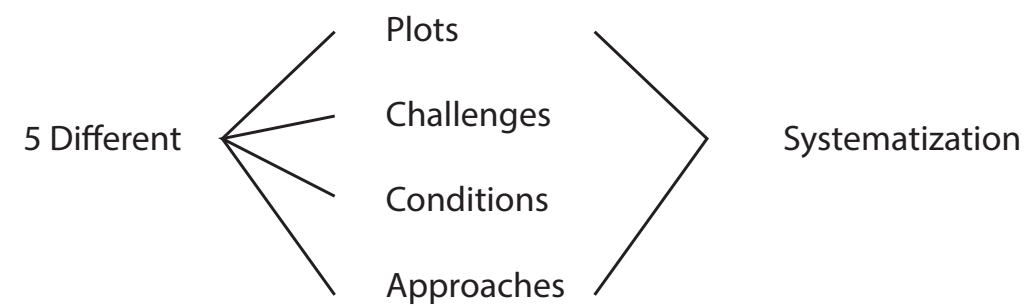
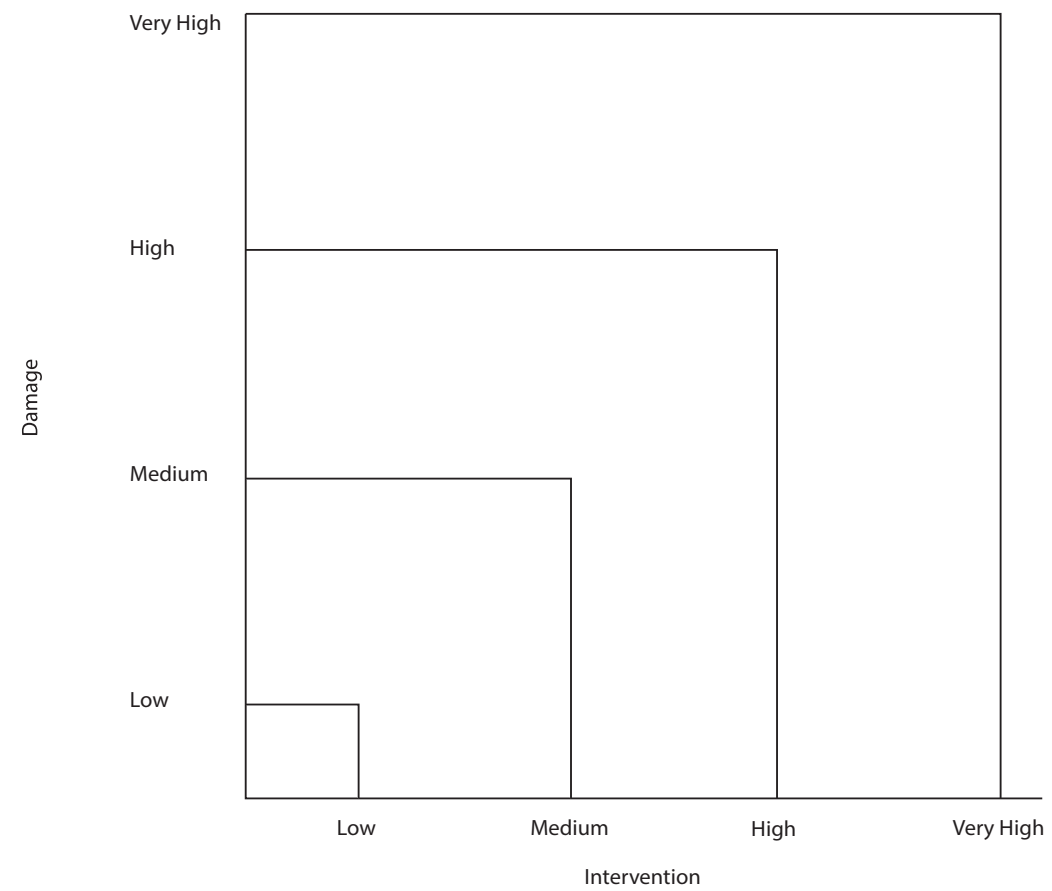
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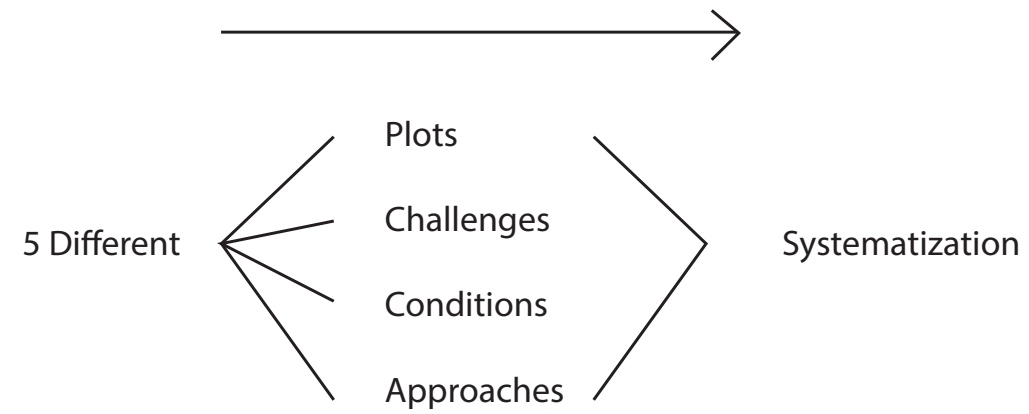
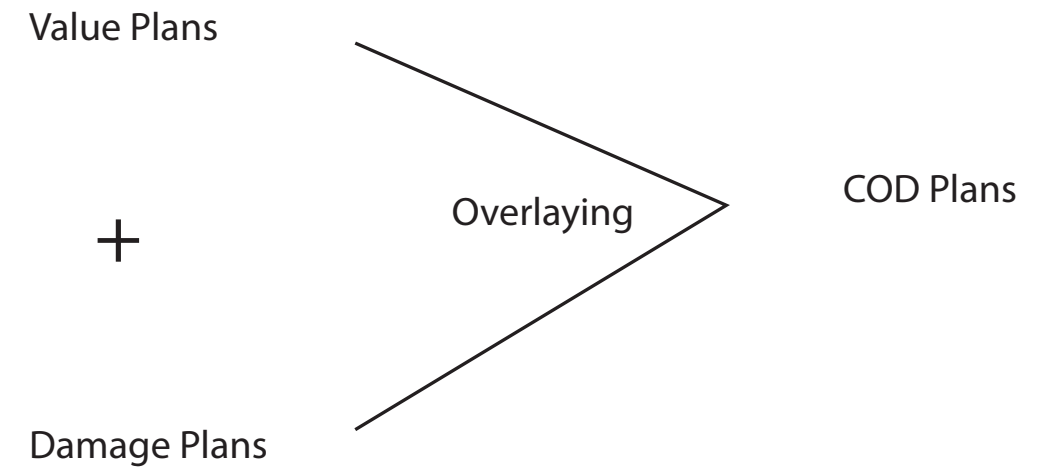
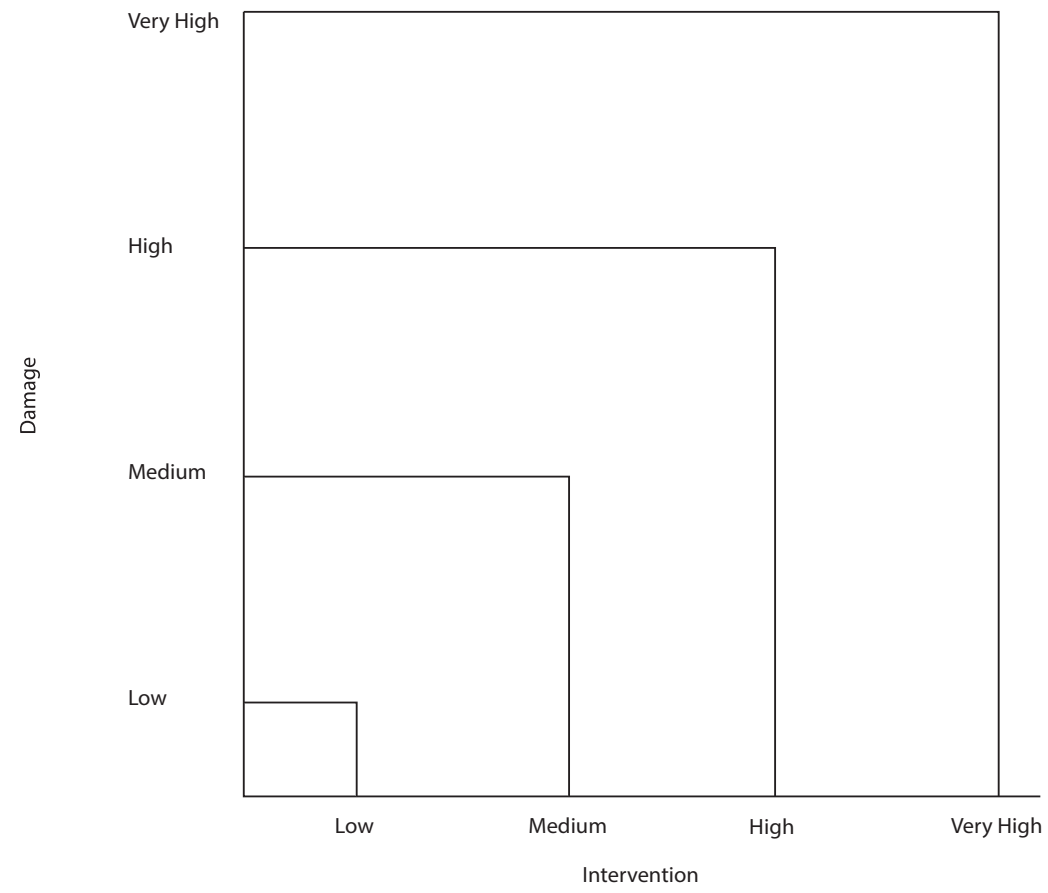


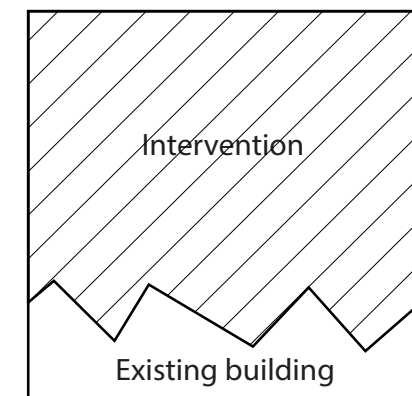
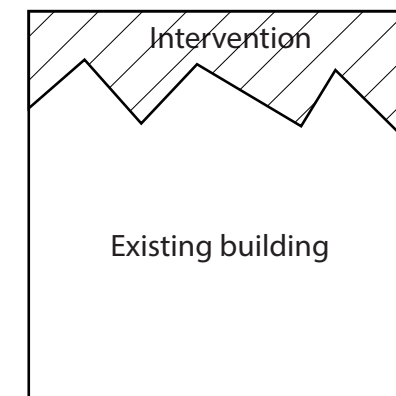
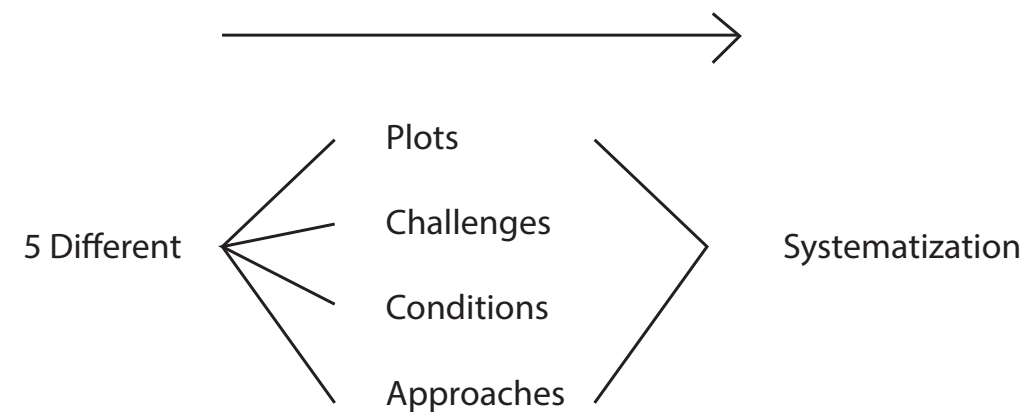
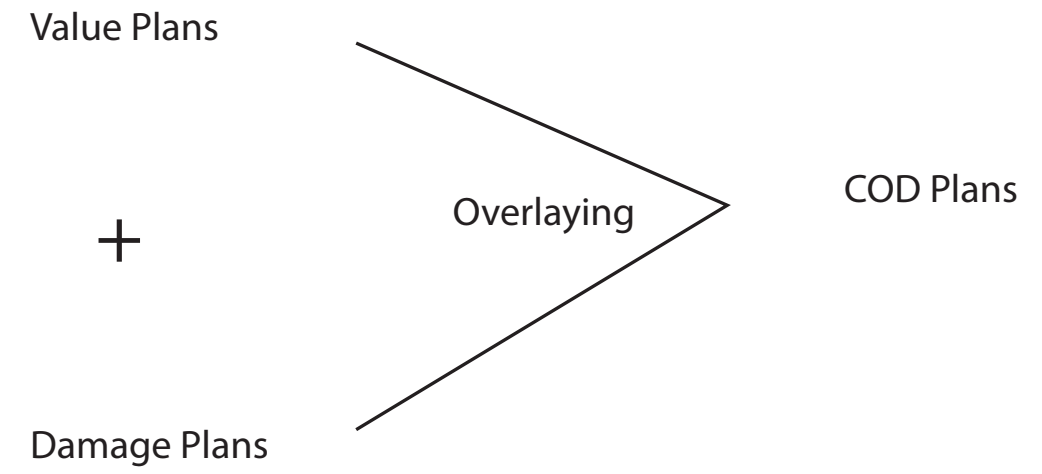
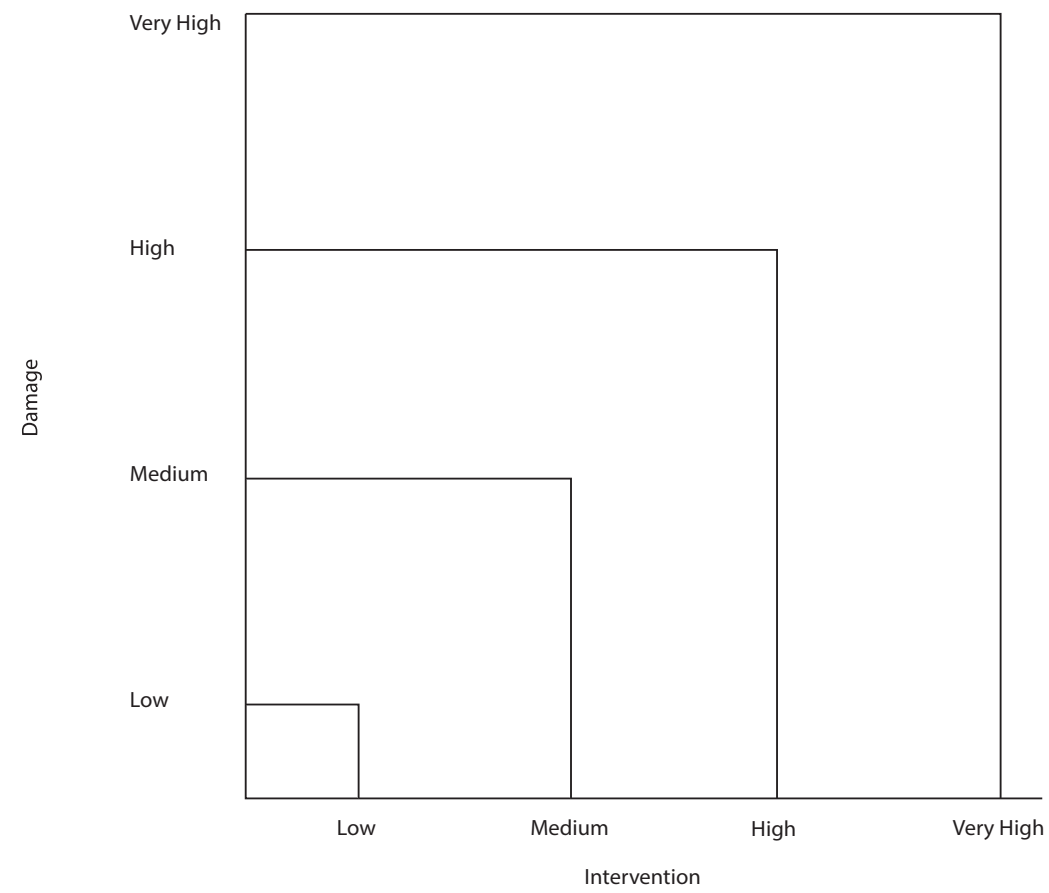
Subject: P5
 File: Presentation
 Location: Sao Francisco, Faro. Portugal

Own Illustration	33
	Student: Krist Van Herck
	4631641
	Date: 17/01/23

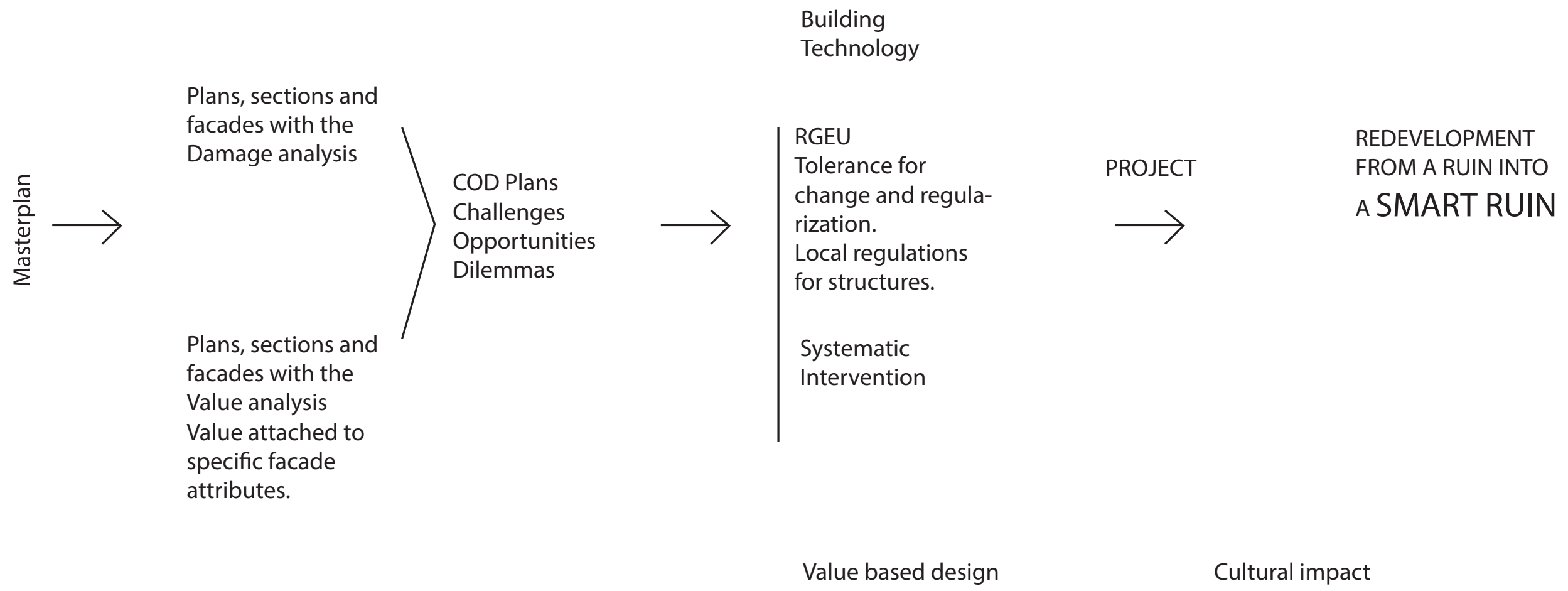




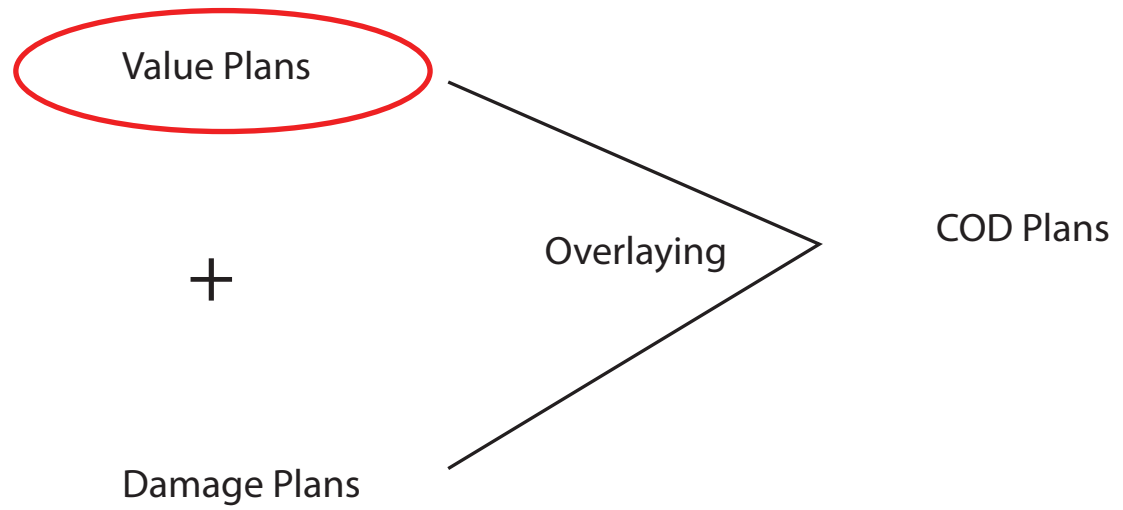


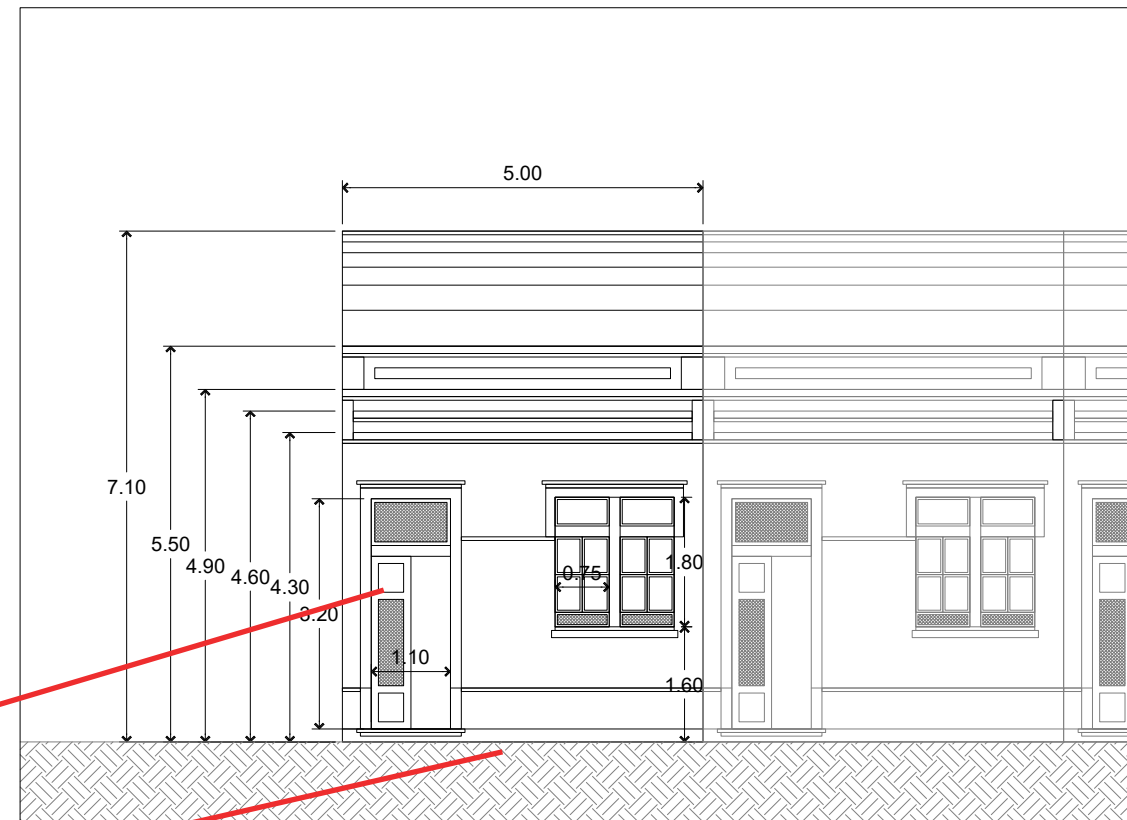
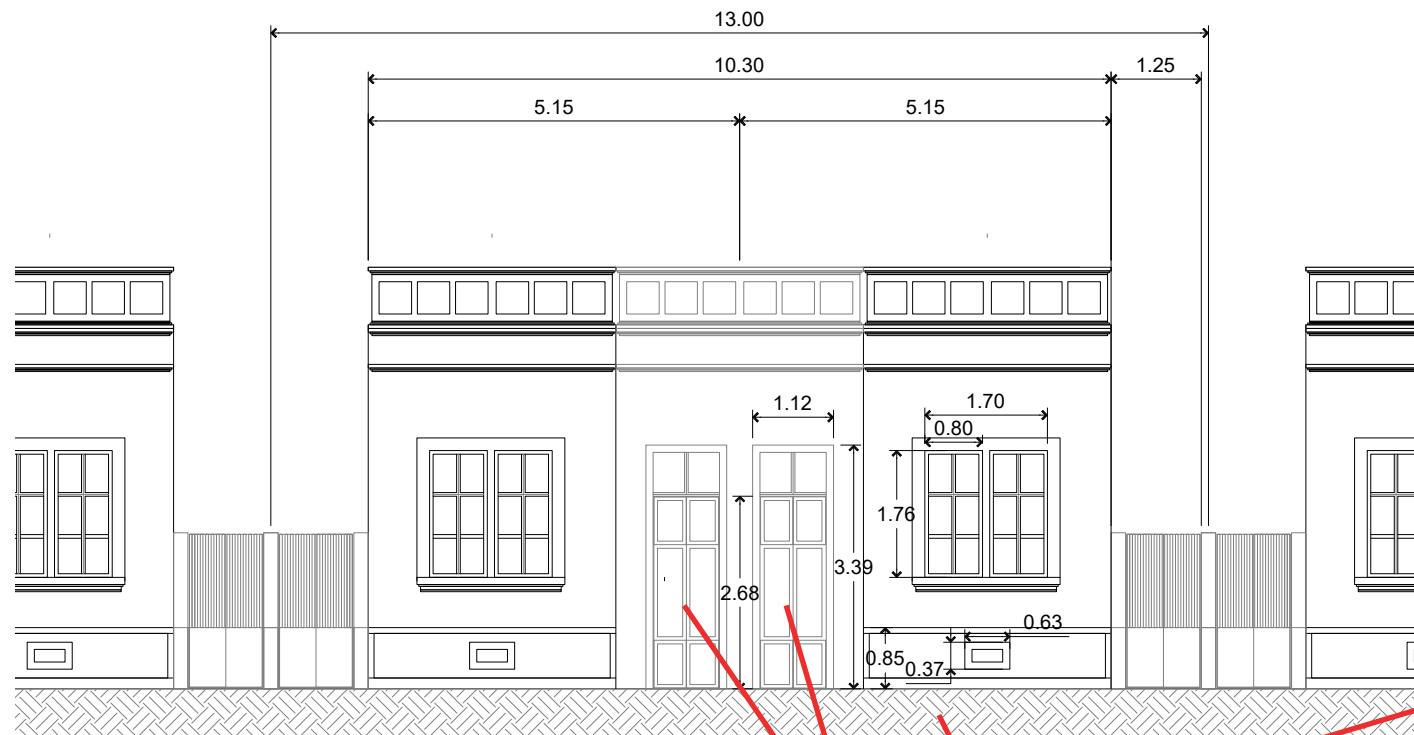


Intervention

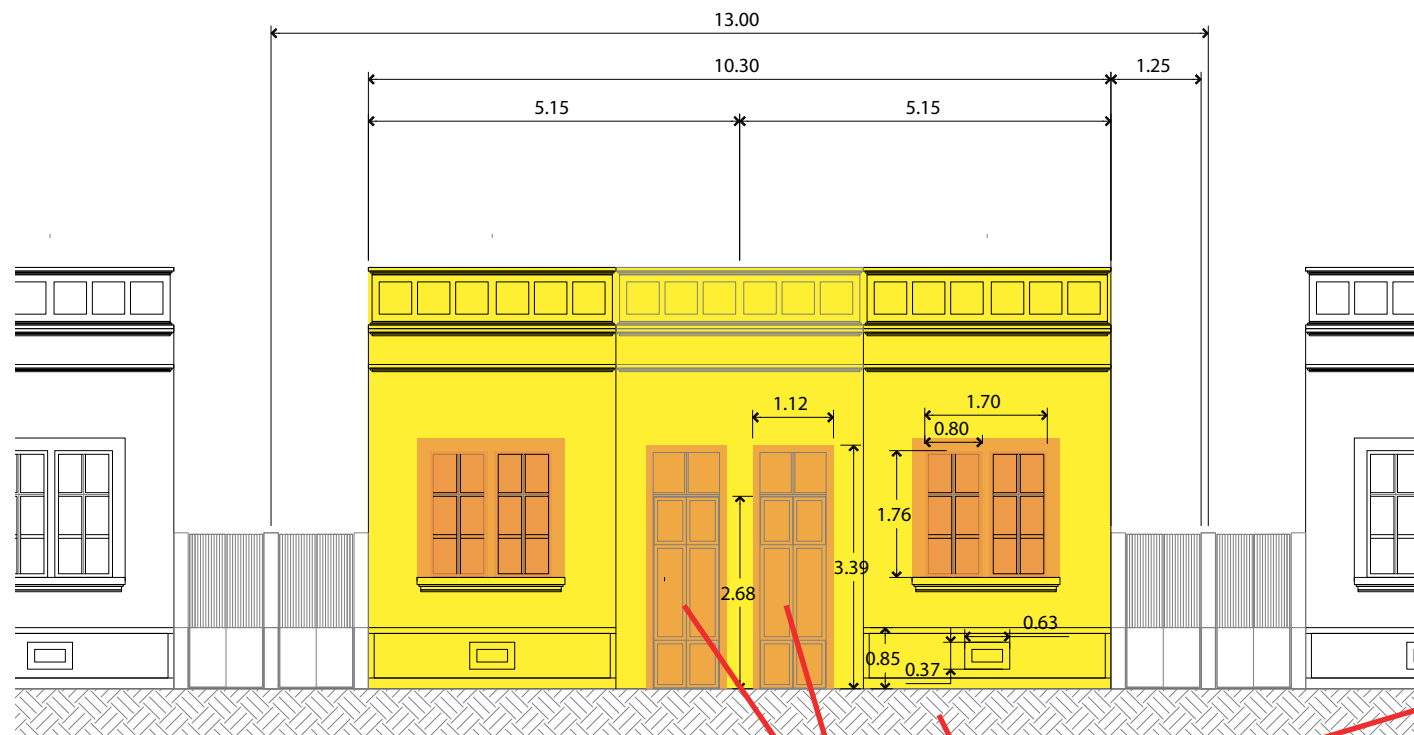


Subject: P5	38
File: Presentation	Own Illustration Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
	Date: 17/01/23



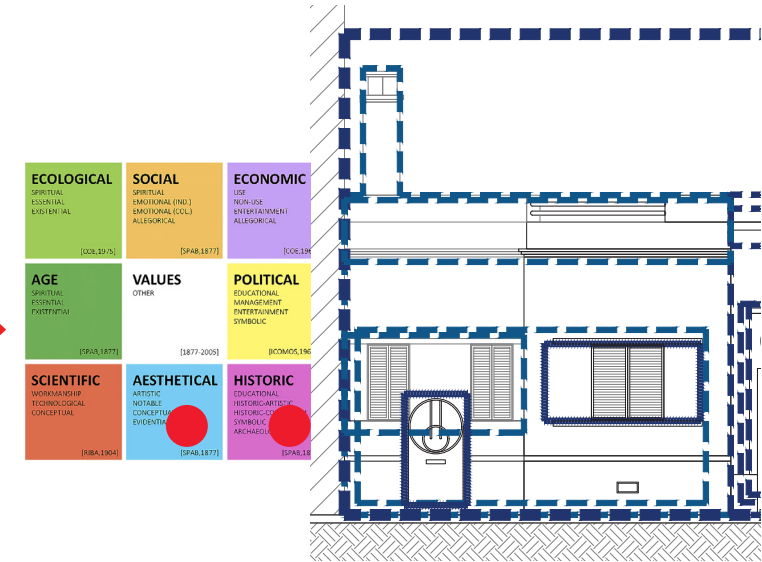
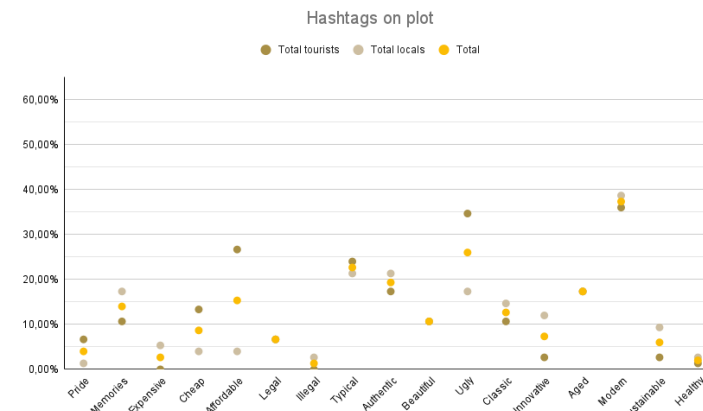
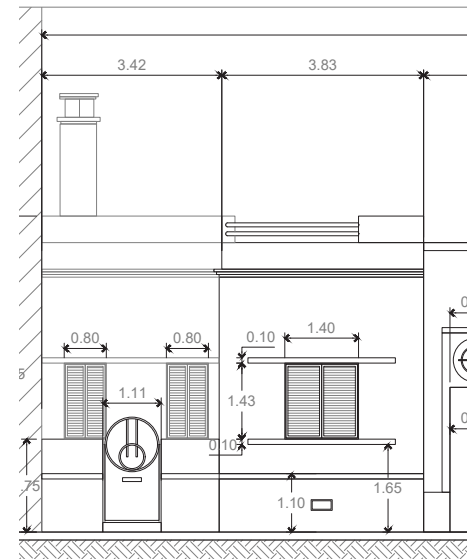


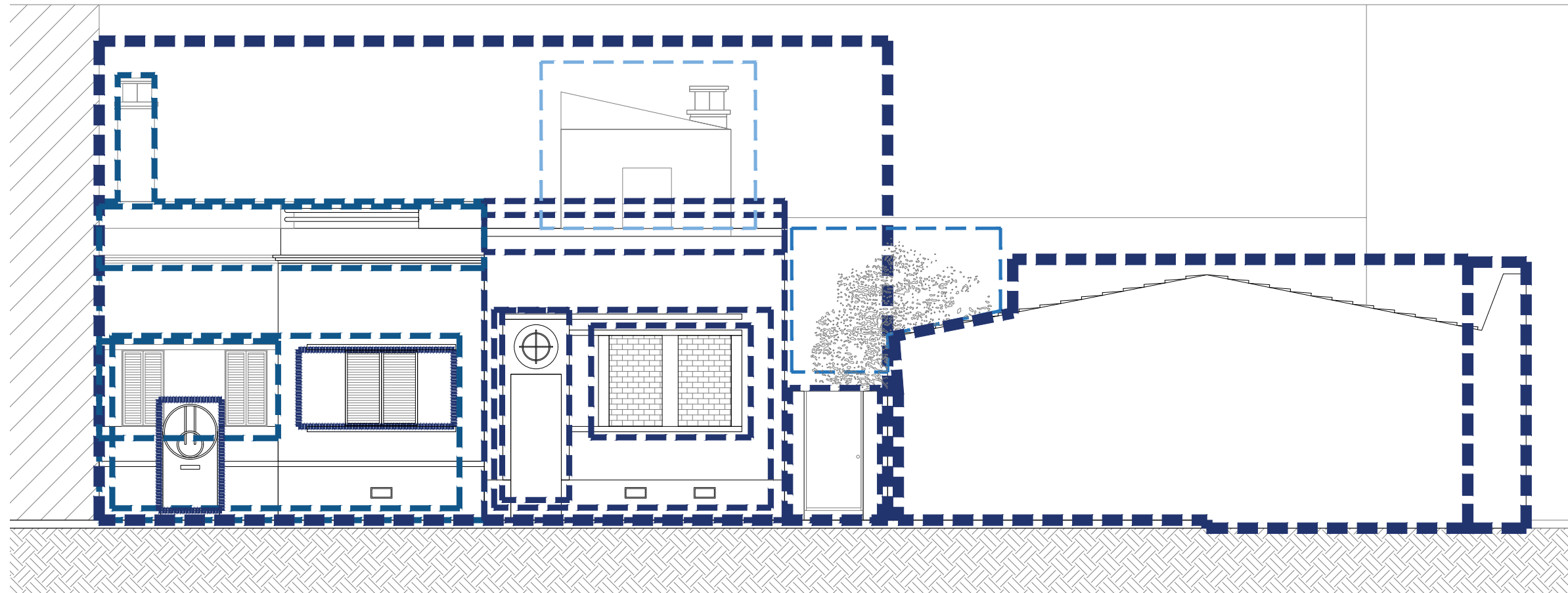
Hashtag	Value	Value	Value	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals						
Pride	Social	Political				20,00%	6,67%	6,67%	6,67%	6,67%	6,67%	20,00%	13,33%	6,67%	6,67%	6,67%	6,67%	6,67%	13,33%	26,67%					
Memories	Social	Historic		6,67%	6,67%		26,67%		40,00%	6,67%	6,67%	46,67%	20,00%	13,33%	26,67%	20,00%	13,33%	20,00%	26,67%	46,67%	33,33%	13,33%	20,00%	6,67%	
Expensive	Economic																								
Cheap	Economic			6,67%	6,67%					6,67%		13,33%		6,67%	6,67%			6,67%	13,33%	20,00%					
Affordable	Economic									6,67%		6,67%		33,33%	6,67%	13,33%		13,33%		6,67%					
Legal	Political									6,67%		6,67%		6,67%	6,67%		13,33%	6,67%							
Illegal	Political									6,67%															
Typical	Historic	Aesthetical	Age	33,33%	40,00%	40,00%	53,33%	53,33%	26,67%	40,00%	53,33%	53,33%	46,67%	66,67%	26,67%	26,67%	26,67%	20,00%	20,00%	20,00%	40,00%	33,33%	60,00%		
Authentic	Historic	Aesthetical	Age	33,33%	6,67%	80,00%	20,00%	46,67%	33,33%	20,00%	46,67%	33,33%	13,33%	33,33%	6,67%	26,67%	26,67%	53,33%	26,67%	26,67%	13,33%	46,67%	20,00%		
Beautiful	Aesthetical			6,67%	6,67%	13,33%	40,00%	66,67%	33,33%	26,67%	33,33%	6,67%		6,67%	33,33%	53,33%	60,00%	60,00%	40,00%	66,67%	46,67%	33,33%			
Ugly	Aesthetical			33,33%		6,67%				13,33%		20,00%	40,00%	33,33%	6,67%	6,67%	26,67%		6,67%	6,67%		6,67%			
Classic	Historic	Scientific		46,67%	20,00%	86,67%	60,00%	66,67%	46,67%	26,67%	26,67%	13,33%	13,33%	20,00%	13,33%	20,00%	26,67%		20,00%	26,67%	26,67%	53,33%	46,67%		
Innovative	Scientific	Age																							
Aged	Age	Historic		86,67%	86,67%	6,67%	13,33%			20,00%	20,00%	60,00%	73,33%	33,33%	60,00%			6,67%	13,33%	6,67%		26,67%	6,67%		
Modern	Age	Scientific								26,67%								6,67%	6,67%	6,67%		6,67%			
Sustainable	Ecological	Scientific																6,67%	6,67%	6,67%					
Healthy	Ecological																	33,33%	26,67%	6,67%		33,33%			
	Value			Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals
	Social			1	1	3	5	1	7	2	2	8	6	4	5	3	3	4	5	8	5	4	7		
	Economic			1	1					4		2		6	3	3	1	3	2	4			1		
	Political					3	1	1	3	2	1	2	4	2	1	2	2	1	1	1			2	4	
	Historic			31	24	32	26	25	22	17	23	31	25	25	20	14	14	15	16	19	17	26	23		
	Aesthetical			11	13	20	18	25	14	15	20	14	12	21	11	14	17	24	16	14	19	19	18		
	Scientific			7	3	13	10	12	7	8	6	2	3	3	2	6	7	2	5	5	5	8	8		
	Age			23	20	19	14	17	9	16	19	22	21	20	14	8	8	13	10	9	9	16	14		
	Ecological															8	7	2	1	5					



Hashtag	Value	Value	Value	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals						
Pride	Social	Political				20,00%	6,67%	6,67%	6,67%	6,67%	6,67%	20,00%	13,33%	6,67%	6,67%	6,67%	6,67%	6,67%	13,33%	26,67%					
Memories	Social	Historic		6,67%	6,67%		26,67%		40,00%	6,67%	6,67%	46,67%	20,00%	13,33%	26,67%	20,00%	13,33%	20,00%	26,67%	46,67%	33,33%	13,33%	20,00%	6,67%	
Expensive	Economic									13,33%				6,67%											
Cheap	Economic			6,67%	6,67%					6,67%		13,33%		6,67%	6,67%				6,67%	13,33%	20,00%				
Affordable	Economic									6,67%				6,67%		33,33%	6,67%	13,33%		13,33%		6,67%			
Legal	Political									6,67%		6,67%		6,67%											
Illegal	Political									6,67%				6,67%											
Typical	Historic	Aesthetical	Age	33,33%	40,00%	40,00%	53,33%	53,33%	26,67%	40,00%	53,33%	53,33%	46,67%	66,67%	26,67%	26,67%	26,67%	20,00%	20,00%	20,00%	40,00%	33,33%	60,00%		
Authentic	Historic	Aesthetical	Age	33,33%	6,67%	80,00%	20,00%	46,67%	33,33%	20,00%	46,67%	33,33%	13,33%	33,33%	6,67%	26,67%	26,67%	53,33%	26,67%	26,67%	13,33%	46,67%	20,00%		
Beautiful	Aesthetical			6,67%	6,67%	13,33%	40,00%	66,67%	33,33%	26,67%	33,33%	6,67%		6,67%	33,33%	53,33%	60,00%	60,00%	40,00%	66,67%	46,67%	33,33%			
Ugly	Aesthetical			33,33%		6,67%				13,33%		20,00%	40,00%	33,33%	6,67%	6,67%	26,67%		6,67%	6,67%		6,67%			
Classic	Historic	Scientific		46,67%	20,00%	86,67%	60,00%	66,67%	46,67%	26,67%	26,67%	13,33%	13,33%	20,00%	13,33%	20,00%	26,67%		20,00%	26,67%	26,67%	53,33%	46,67%		
Innovative	Scientific	Age									6,67%		6,67%						6,67%						
Aged	Age	Historic		86,67%	86,67%	6,67%	13,33%			20,00%	20,00%	60,00%	73,33%	33,33%	60,00%				6,67%	13,33%	6,67%		26,67%	6,67%	
Modern	Age	Scientific					6,67%	13,33%		26,67%									6,67%	6,67%	6,67%		6,67%		
Sustainable	Ecological	Scientific									6,67%								6,67%	6,67%					
Healthy	Ecological																		6,67%	6,67%		33,33%			

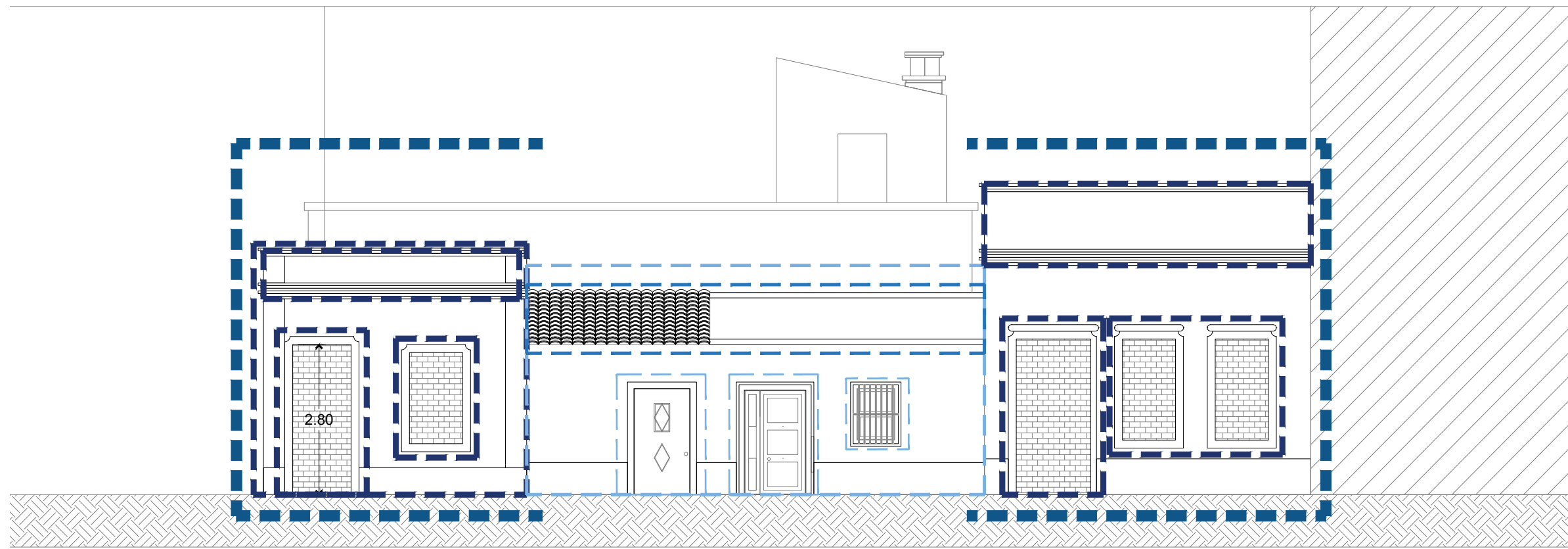
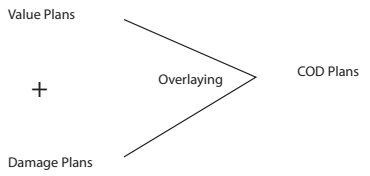
Value	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals	Tourist	Locals			
Social	1	1	3	5	1	7	2	2	8	6	4	5	3	3	4	5	8	5	4	7	
Economic	1	1					4		2		6	3	3	1	3	2	4			1	
Political			3	1	1	3	2	1	2	4	2	1	2	2	1	1	1			2	4
Historic	31	24	32	26	25	22	17	23	31	25	25	20	14	14	15	16	19	17	26	23	
Aesthetical	11	13	20	18	25	14	15	20	14	12	21	11	14	17	24	16	14	19	19	18	
Scientific	7	3	13	10	12	7	8	6	2	3	3	2	6	7	2	5	5	5	8	8	
Age	23	20	19	14	17	9	16	19	22	21	20	14	8	8	13	10	9	9	16	14	
Ecological								1					8	7	2	1	5				





West Facade

0.0 0.5 1.0 2.0 3.0 4.5 1:75



South Facade

0.0 0.5 1.0 2.0 3.0 4.5 1:75

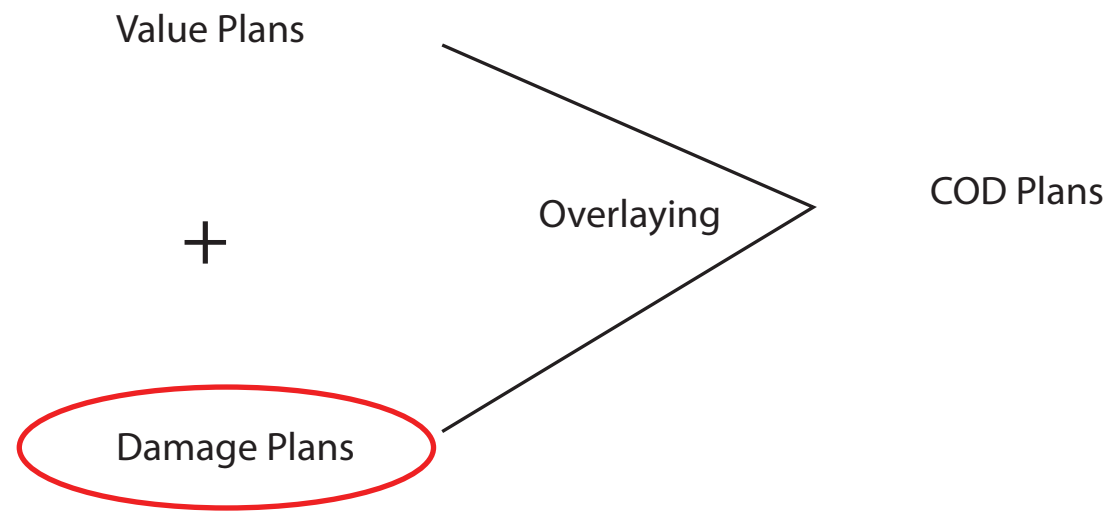
Coincidence %

+40% 

+30 

+20 

0-10% 

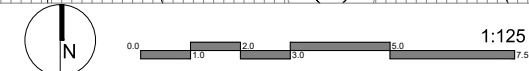


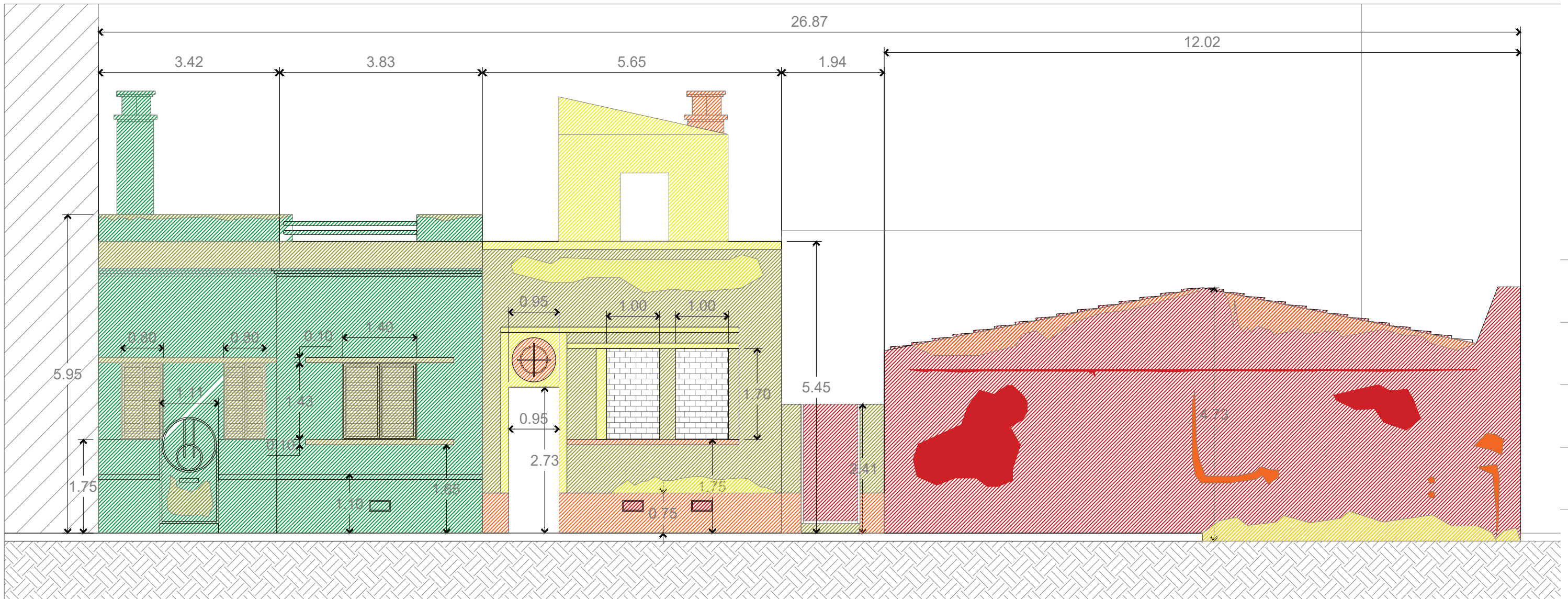
Subject: P5		48
File: Presentation	Own Illustration	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal		4631641
		Date: 17/01/23



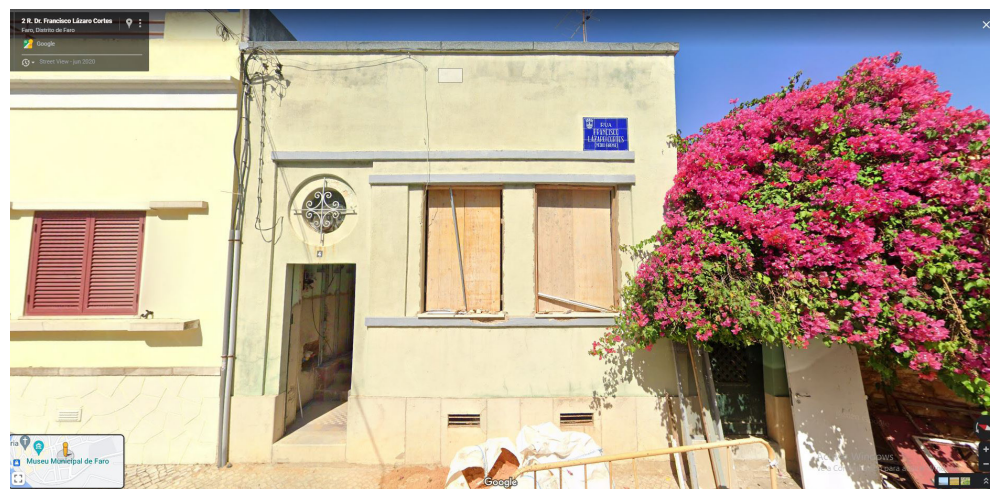
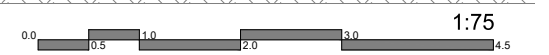
Damage	None
Superficial	
Structural	
Damage	Low
Superficial	
Structural	
Damage	Medium
Superficial	
Structural	
Damage	High
Superficial	
Structural	

Current Situation





West Facade



Subject: P5

File: Presentation

Location: Sao Francisco, Faro. Portugal

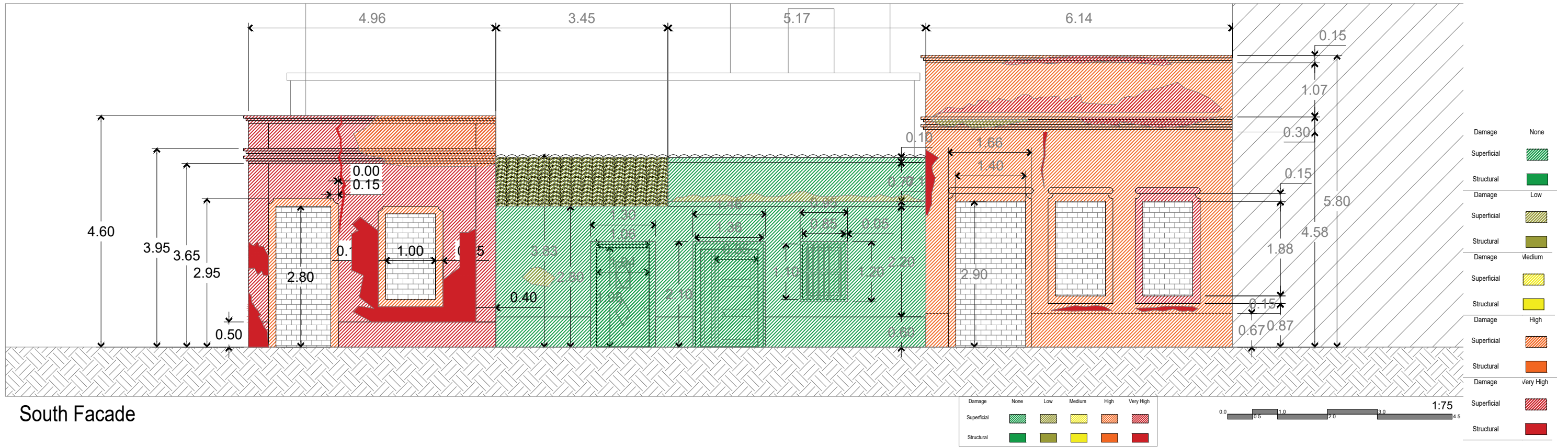
50

Own Illustration

Student: Krist Van Herck

4631641

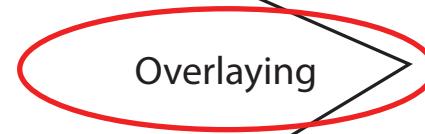
Date: 17/01/23



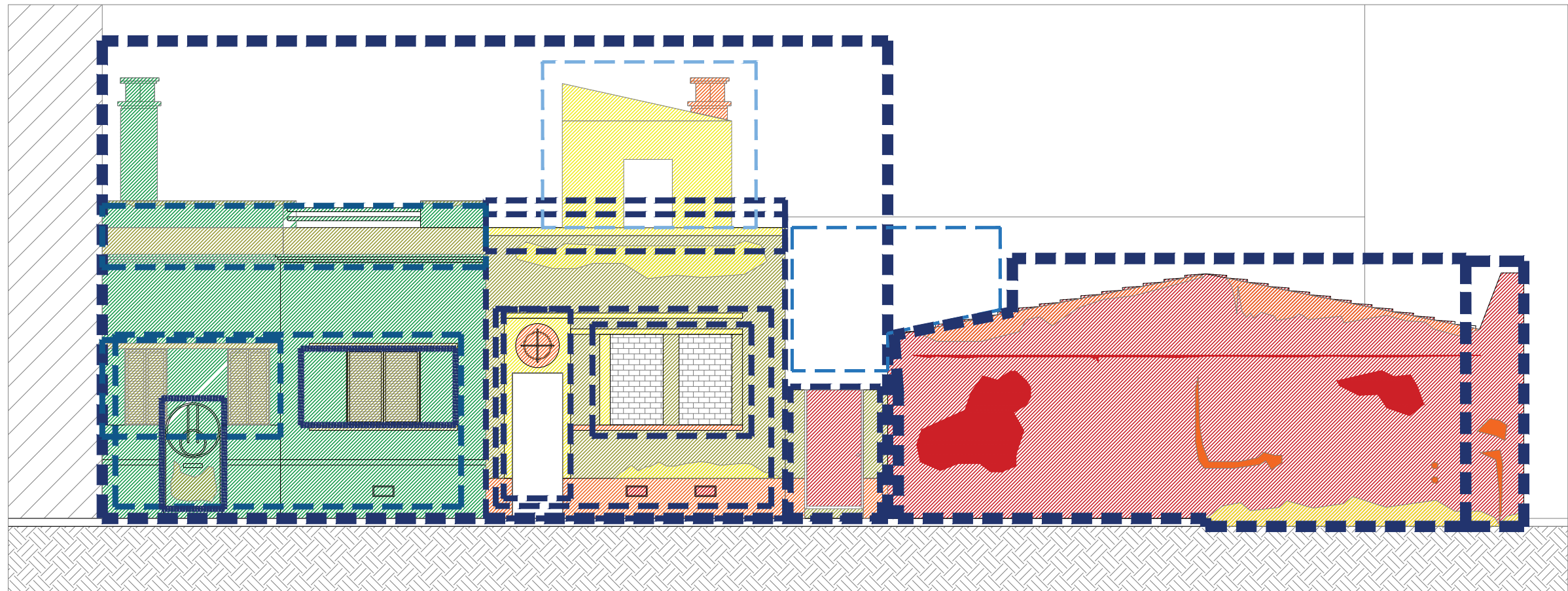
Value Plans

+

Damage Plans

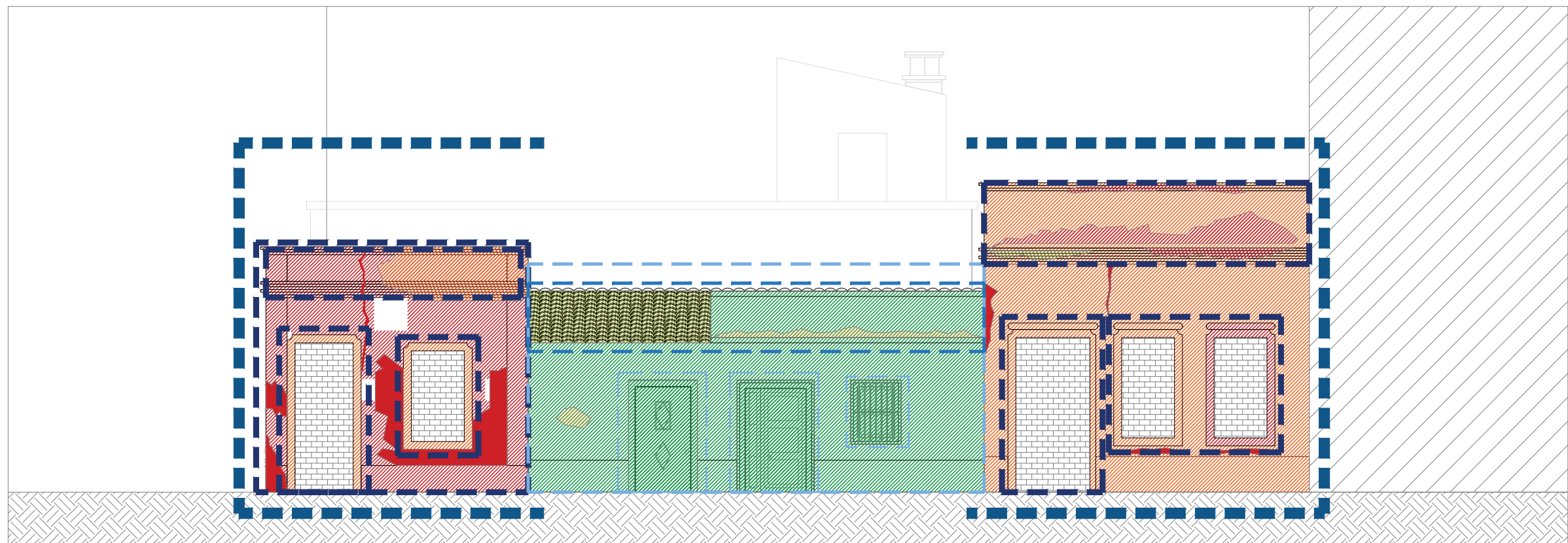


COD Plans



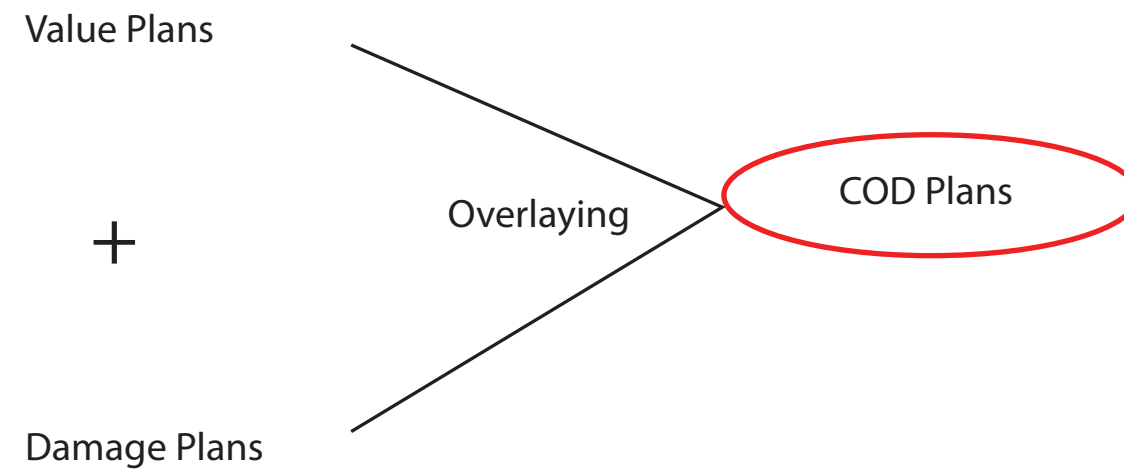
West Facade

0.0 0.5 1.0 2.0 3.0 4.5 1:75



South Facade

0.0 0.5 1.0 2.0 3.0 4.5 1:75



Subject: P5		54
File: Presentation	Own Illustration	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal		4631641
		Date: 17/01/23

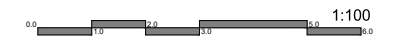


COD CODE

Challenge

Opportunity

Dilemma

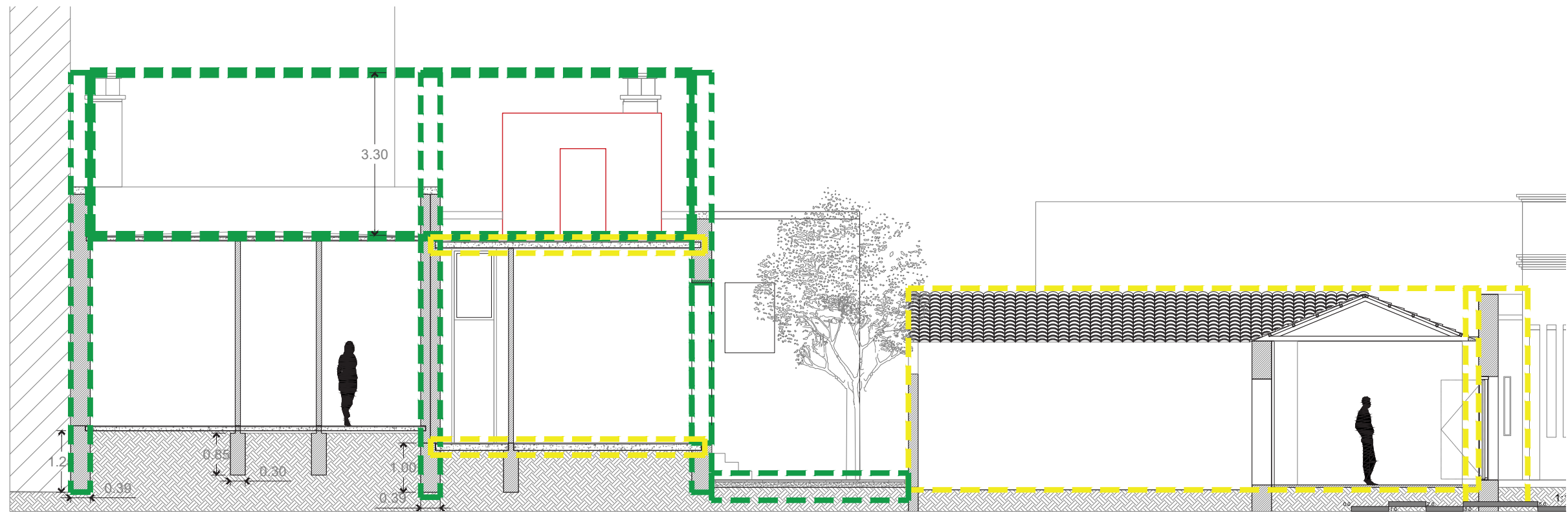


COD CODE

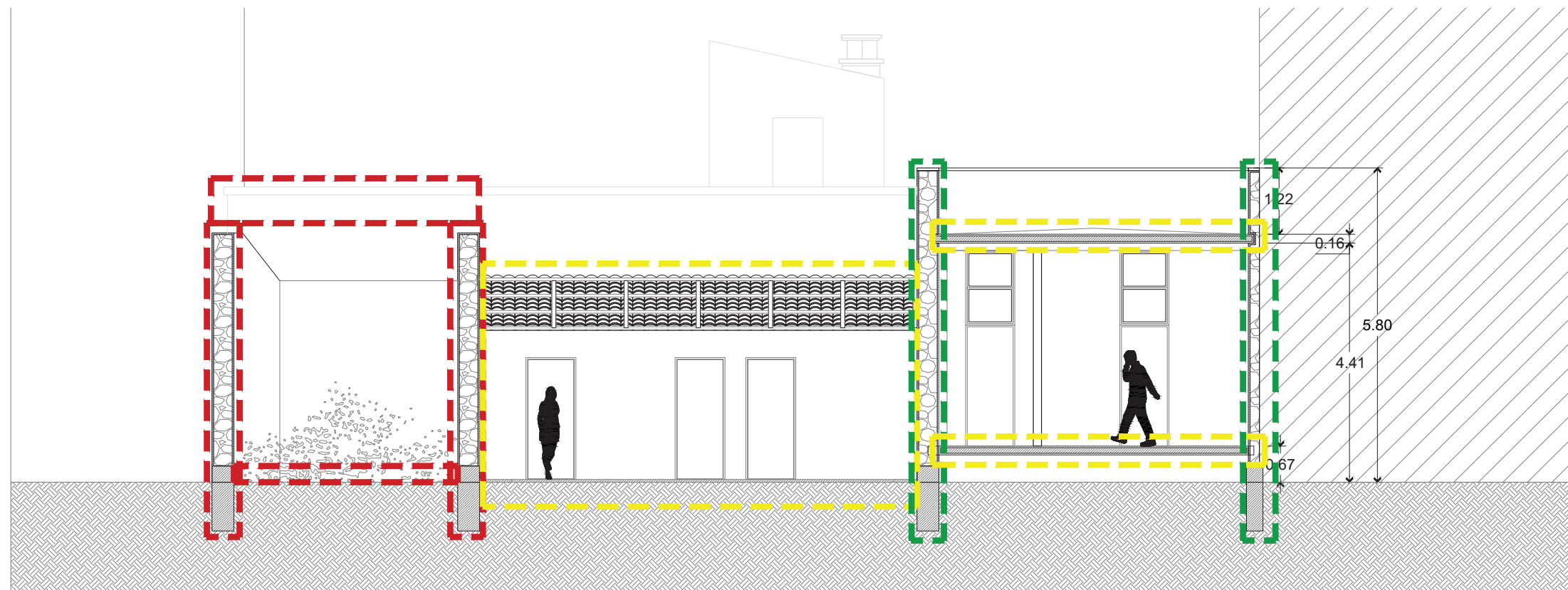
Challenge 

Opportunity 

Dilemma 



Section A



Section B

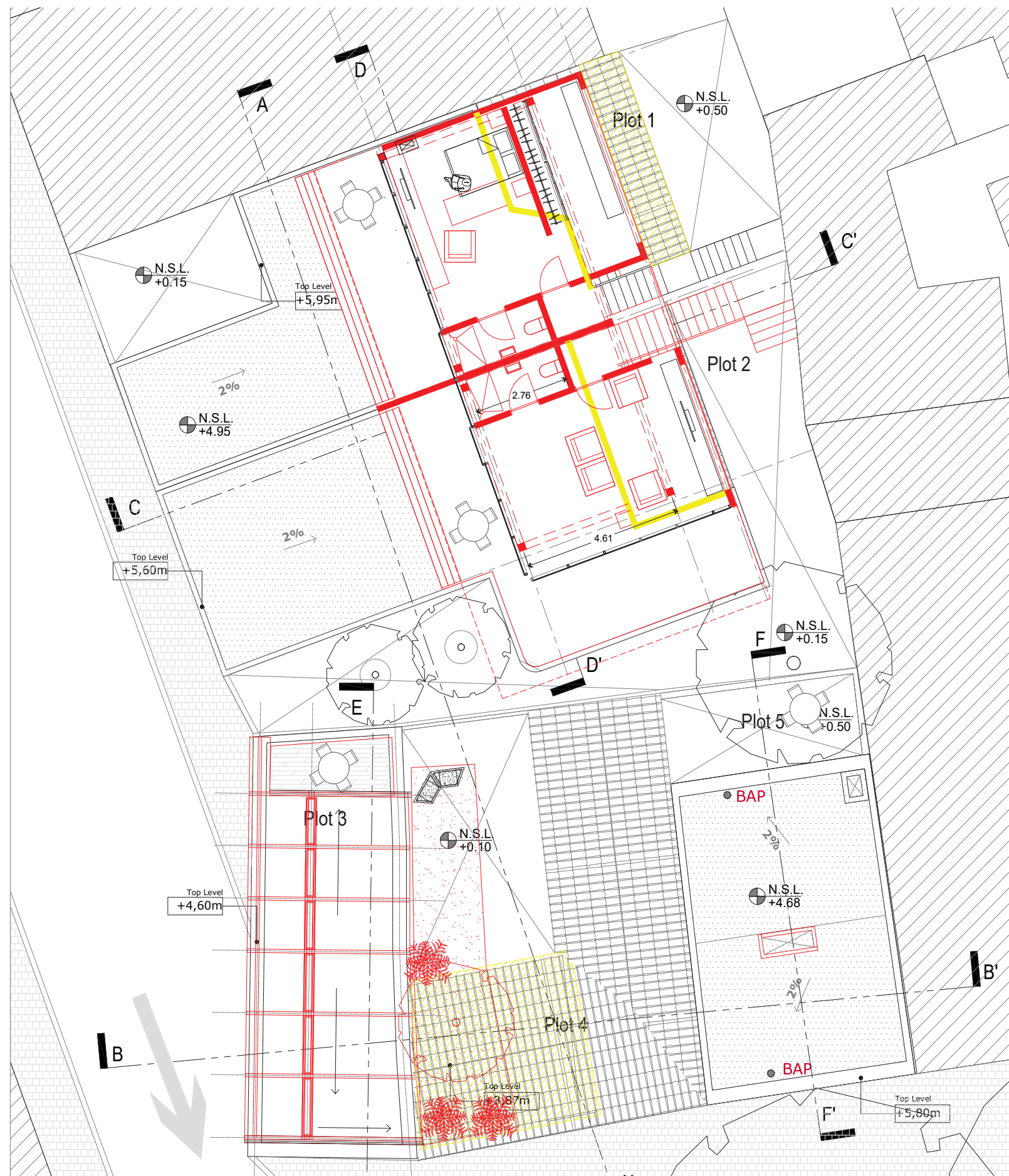
0.0 1.0 2.0 3.0 4.0 5.0 6.0 1:100

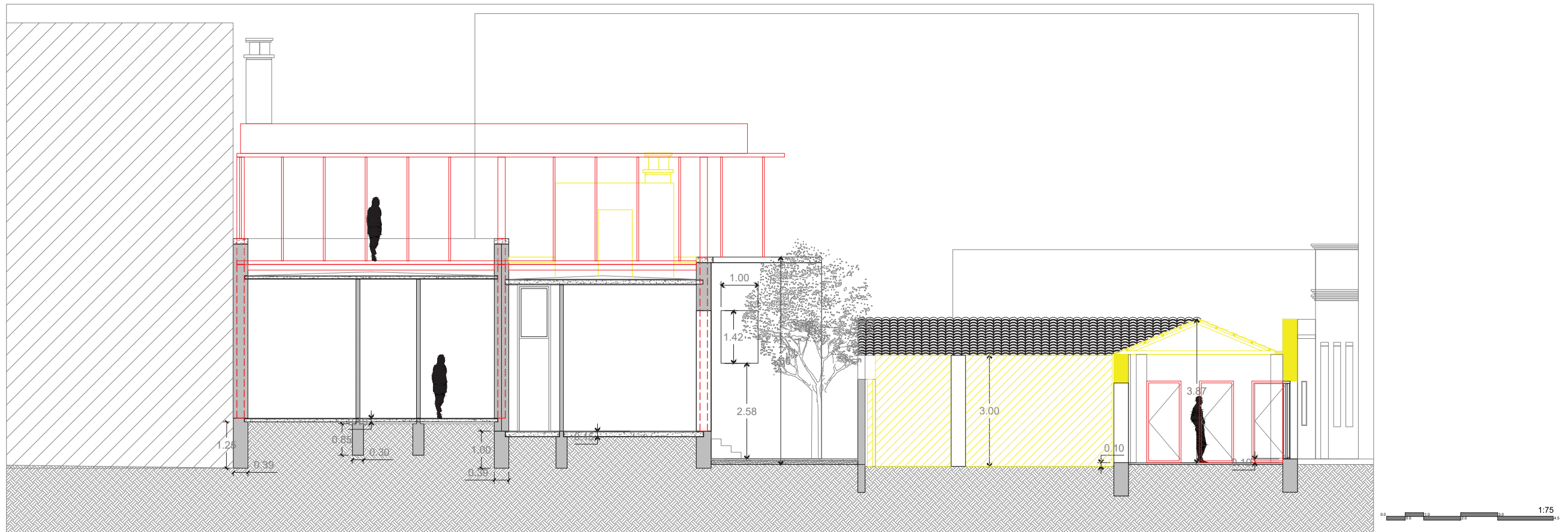
PROJECT

RED & YELLOW PLANS AND GOAL IMAGES

Subject: P5		57
File: Presentation	Own Illustration	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal		4631641
		Date: 17/01/23





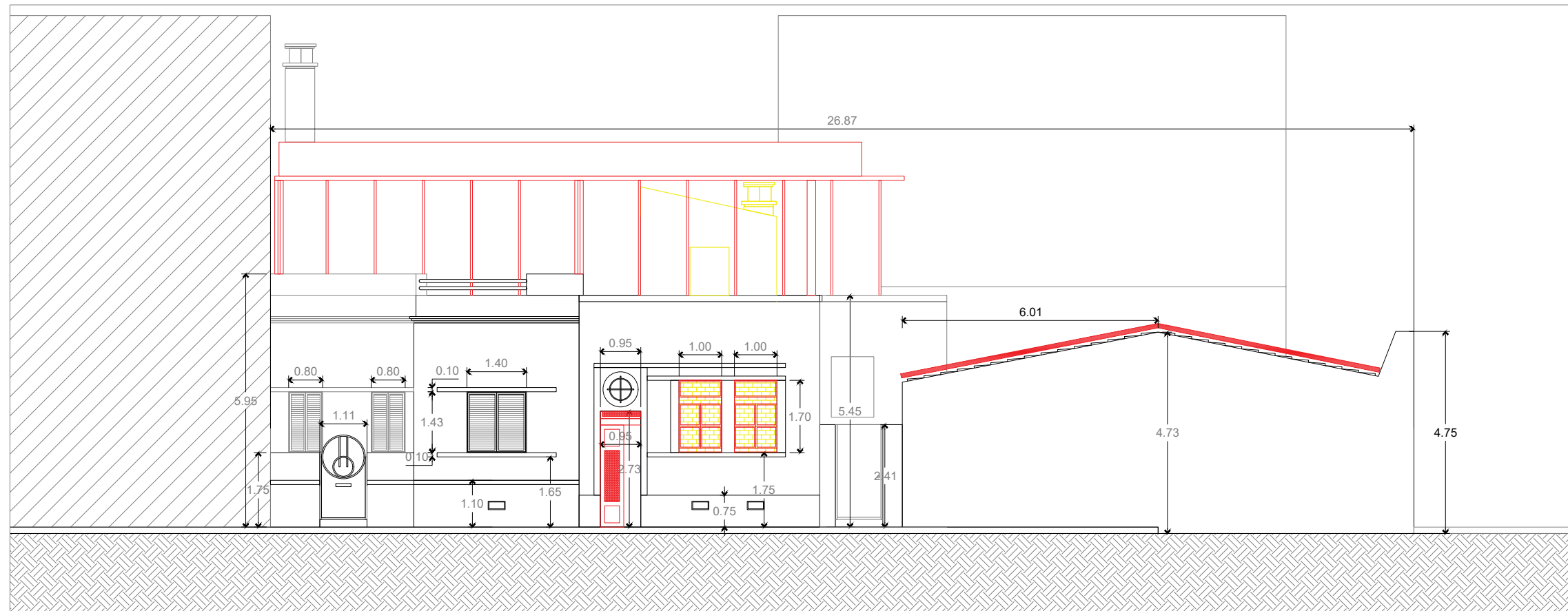


Section A - A'

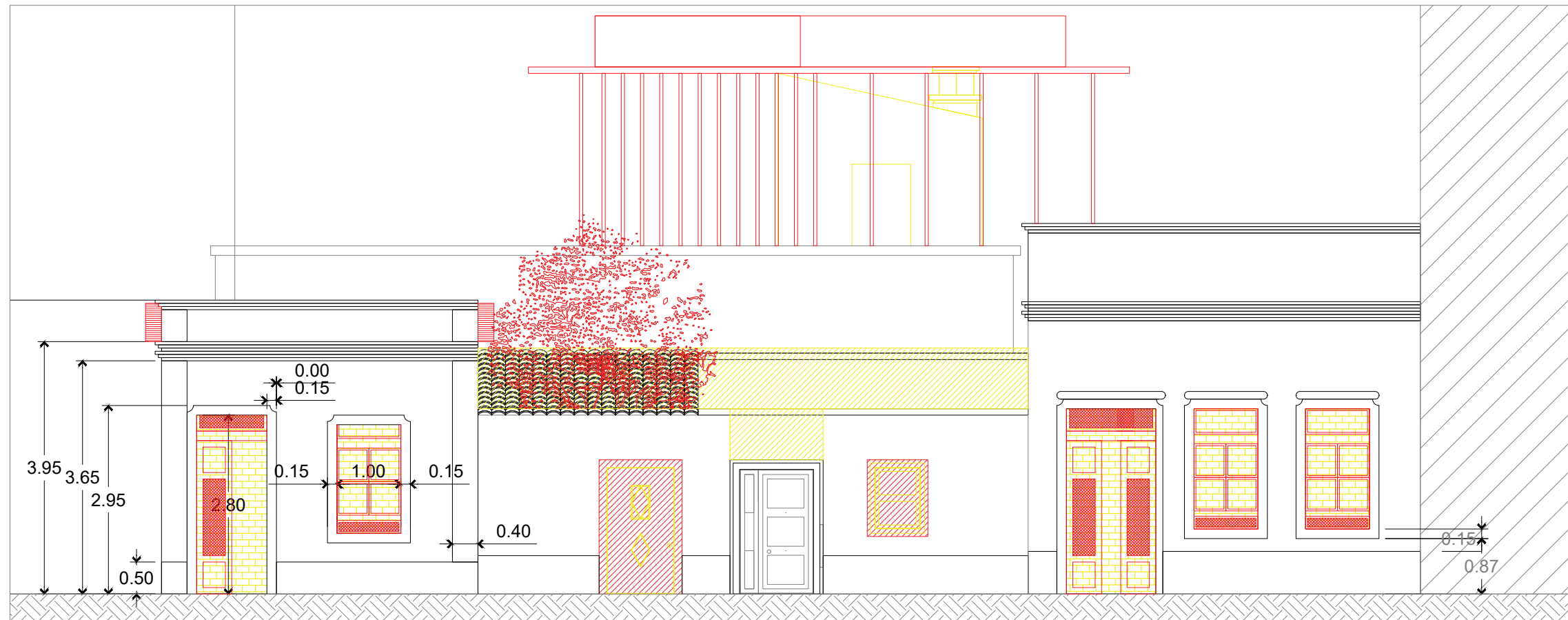


Section B - B'

Subject: P5	60
File: Presentation	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
	Date: 17/01/23

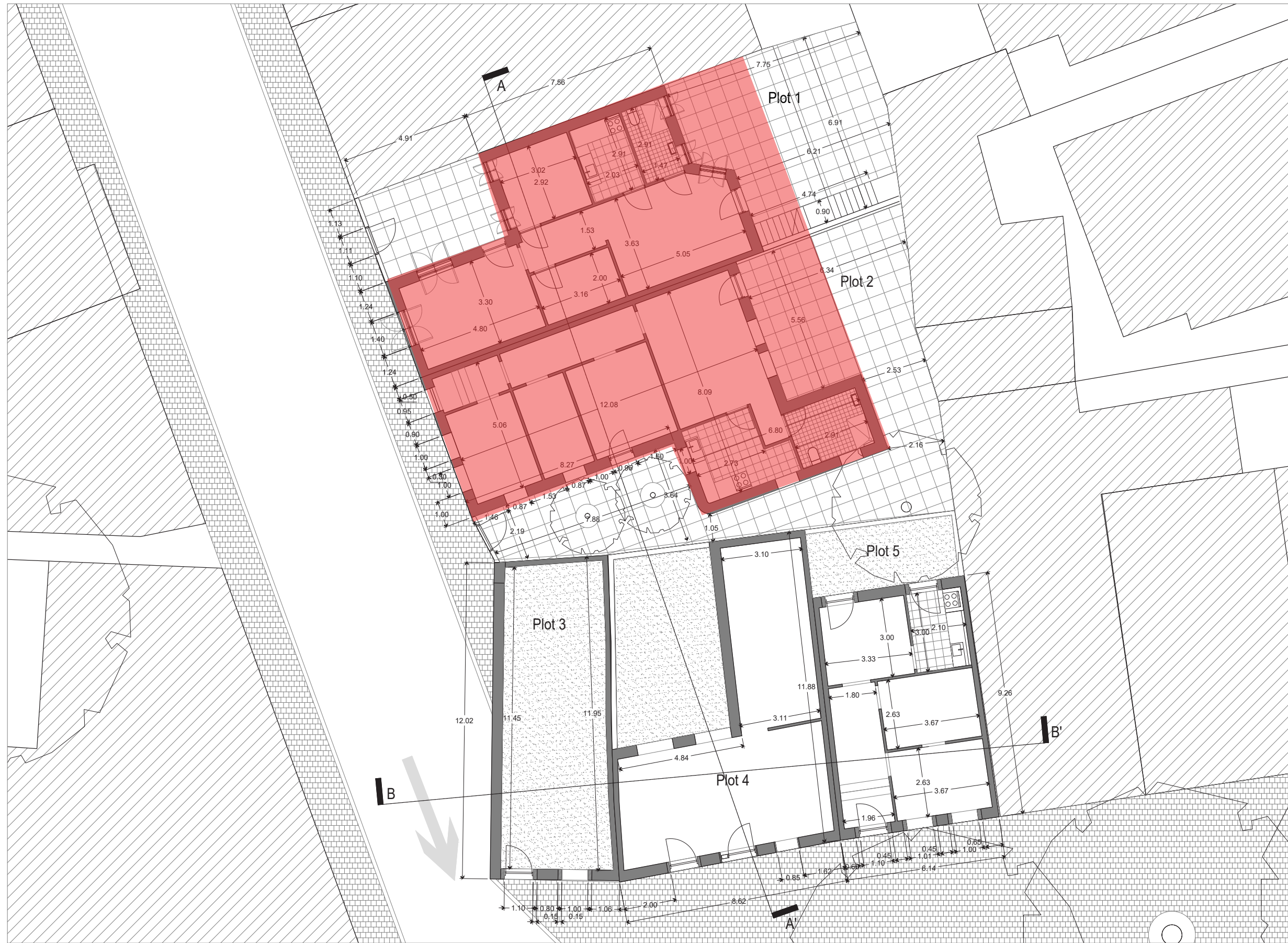


West Facade 1:75

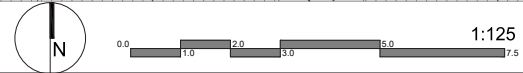


South Facade 1:75

Subject: P5	61
File: Presentation	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
	Date: 17/01/23



Current Situation

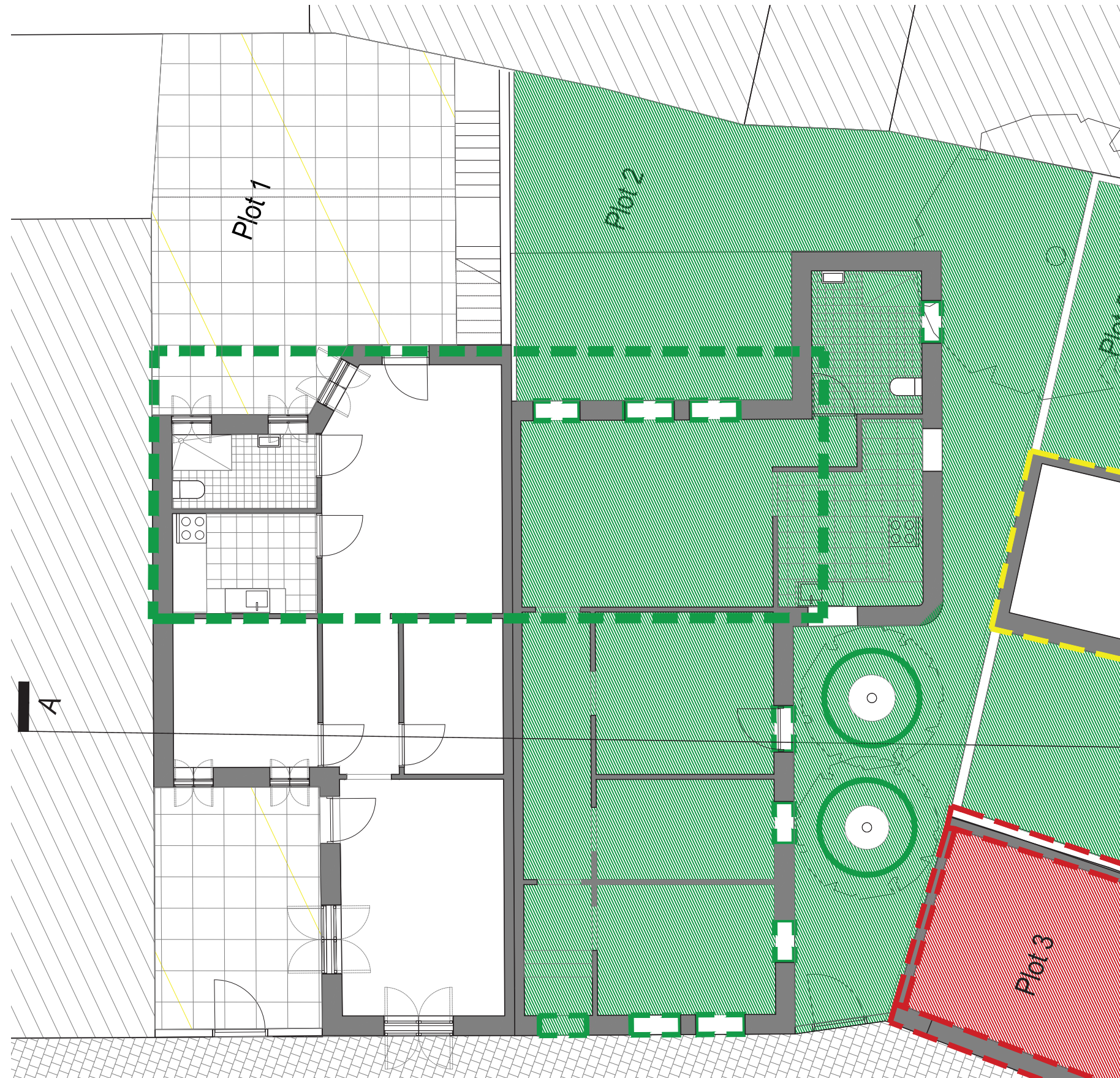


Own Illustration



1:125

Subject: P5	63
File: Presentation	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
	Date: 17/01/23

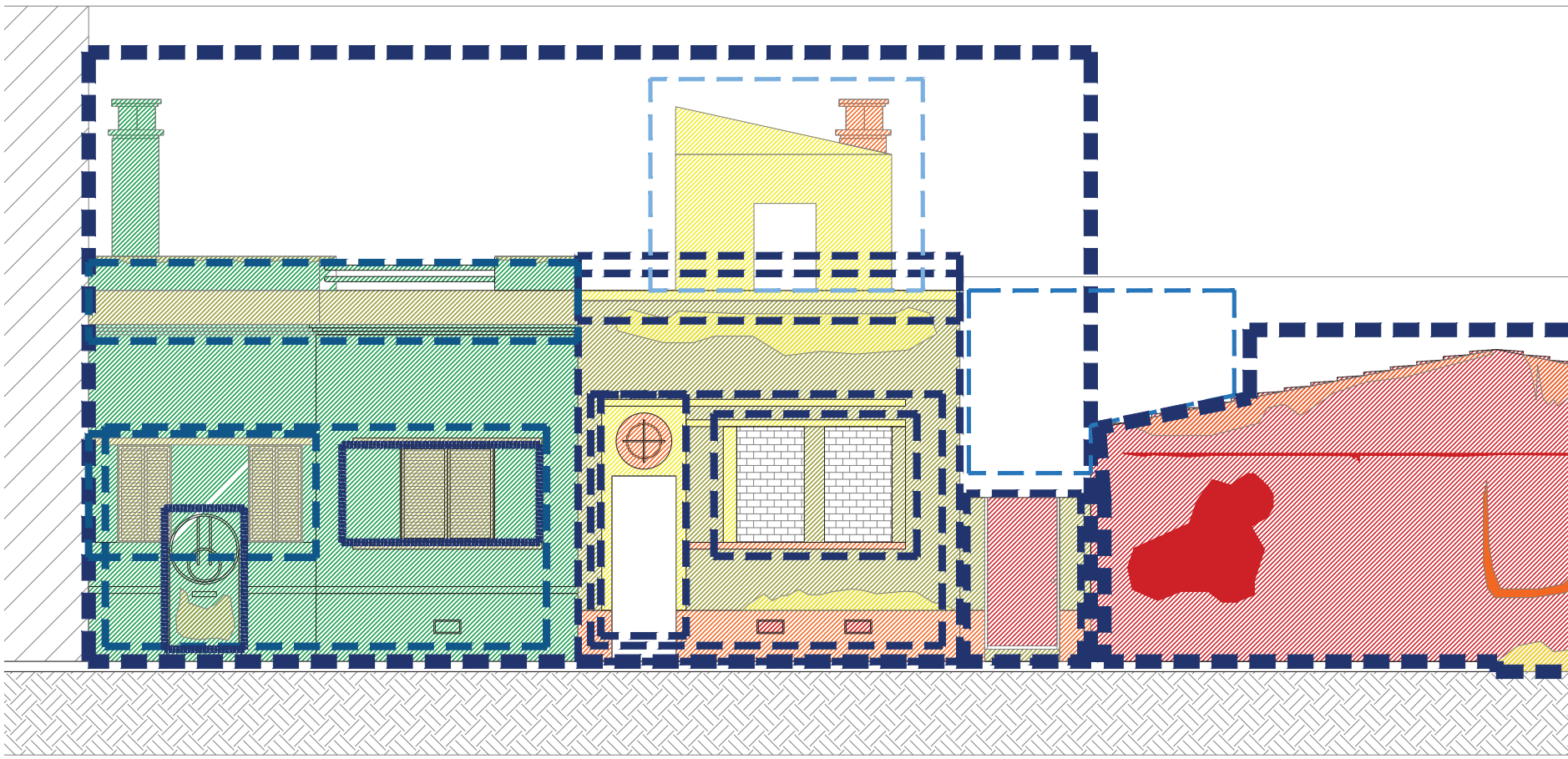


COD CODE

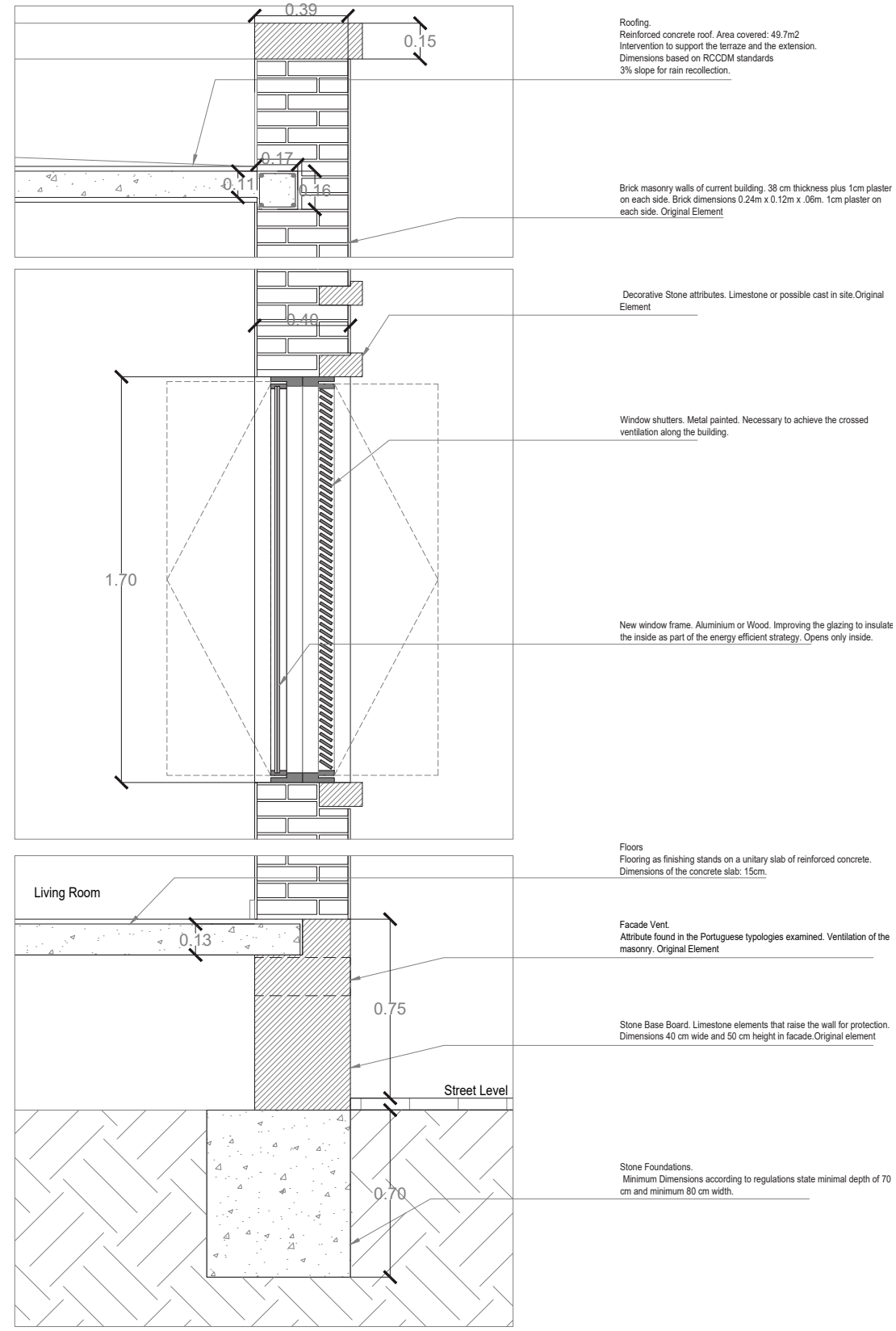
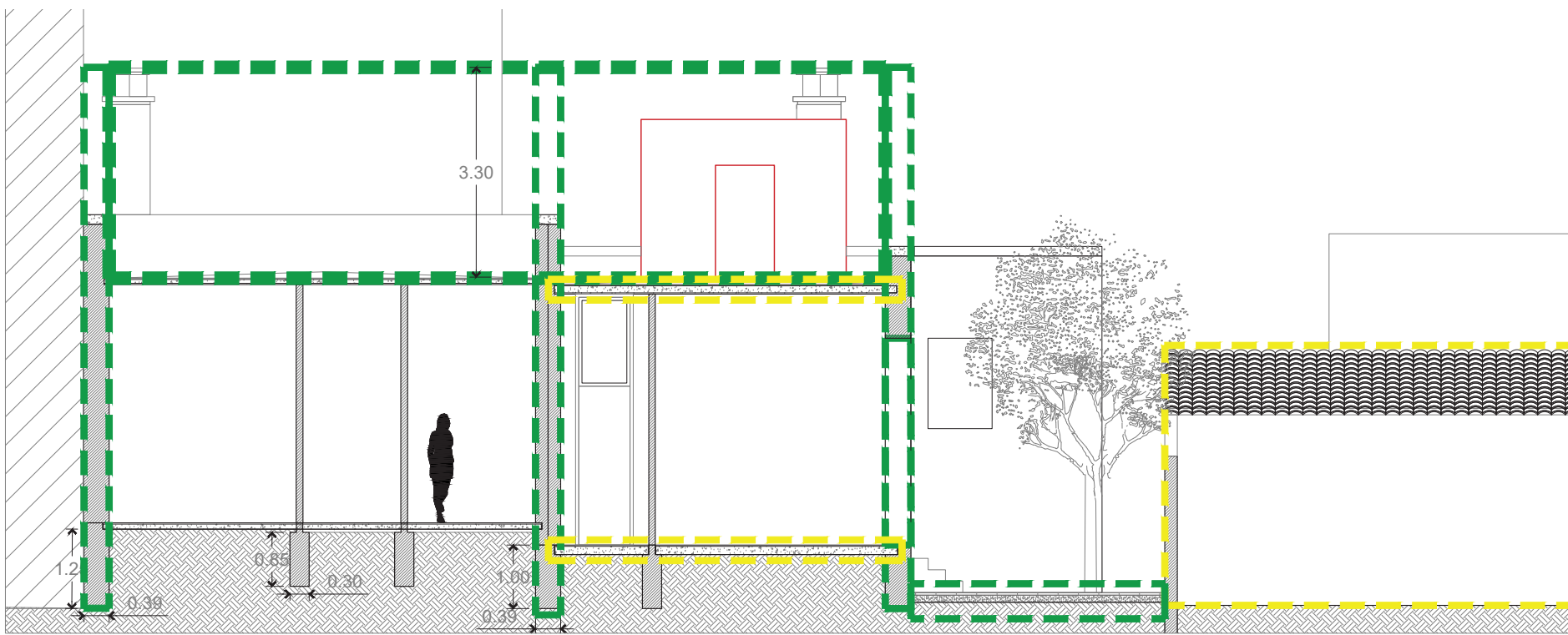
Challenge

Opportunity

Dilemma

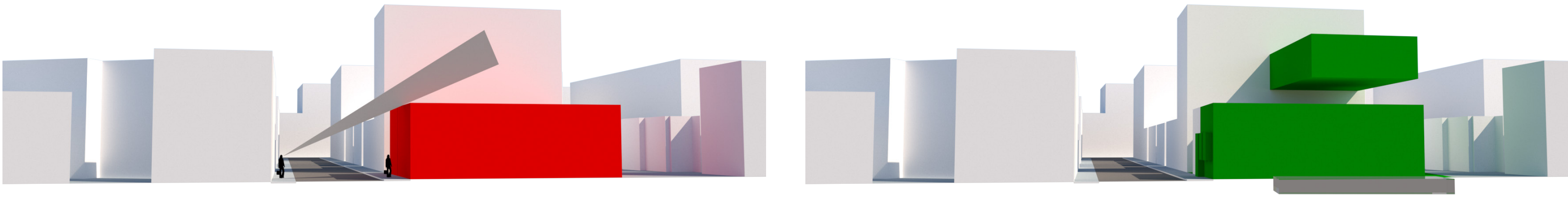


Vest Facade

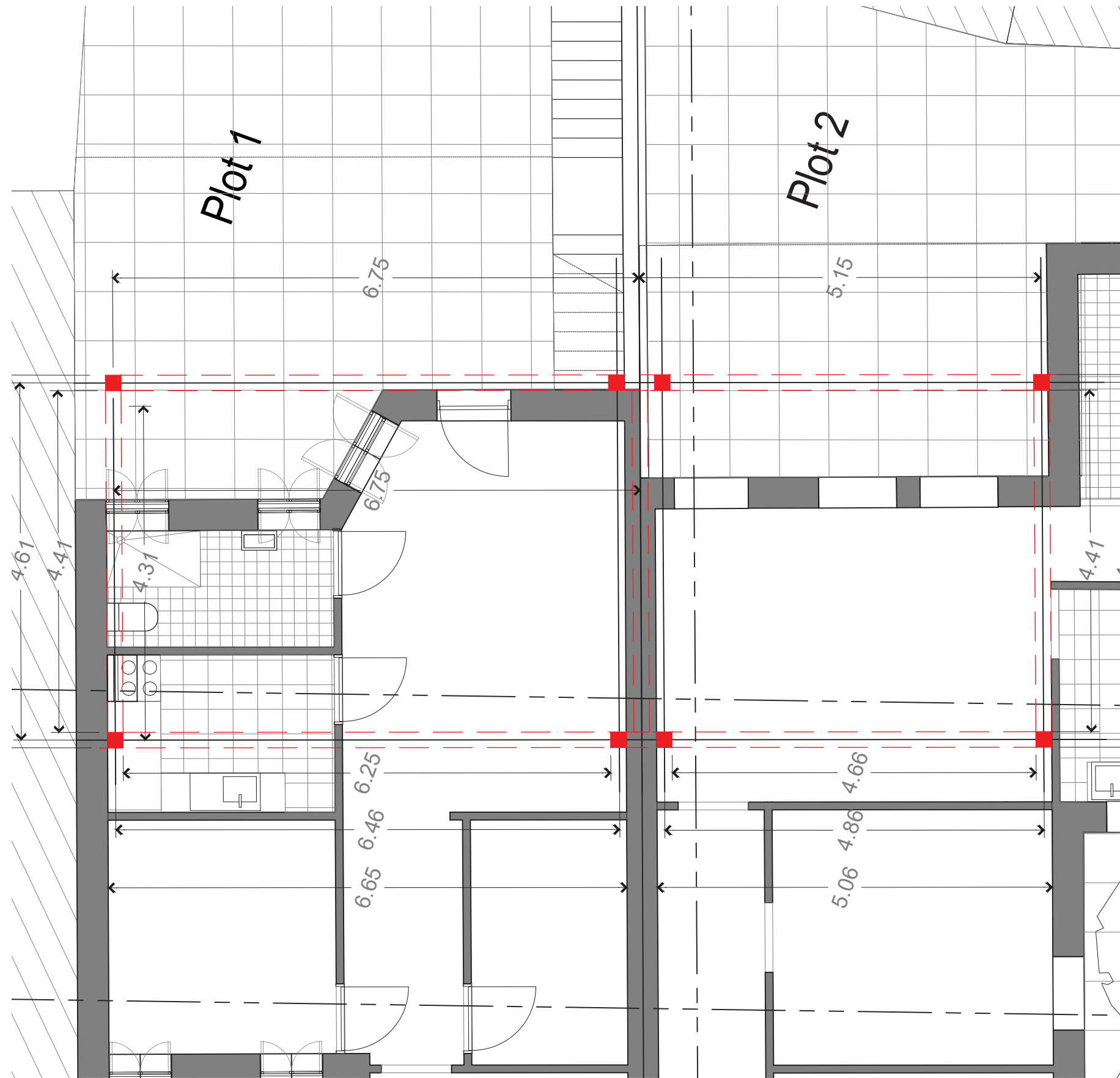


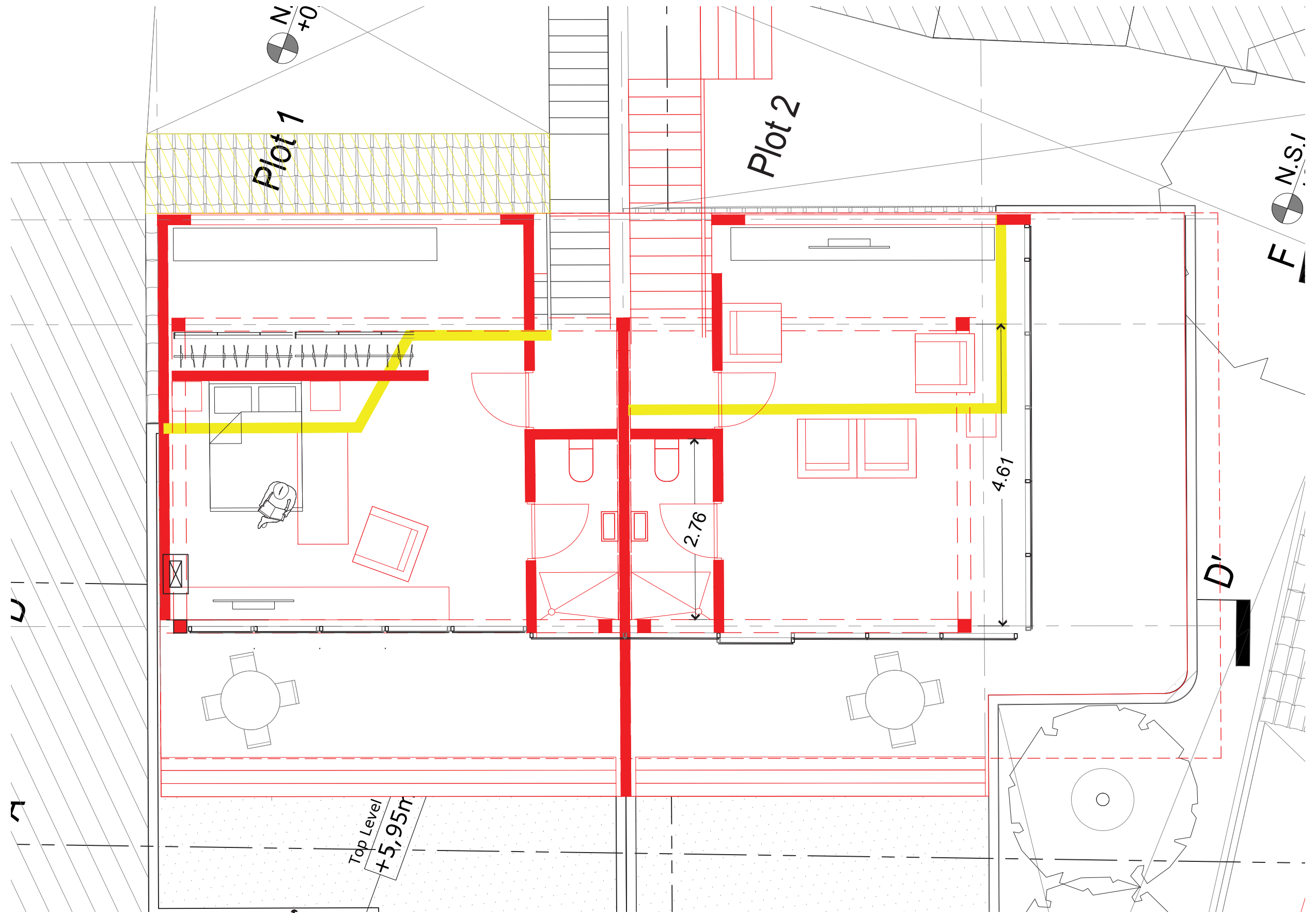
Plot 2 Detailed Section

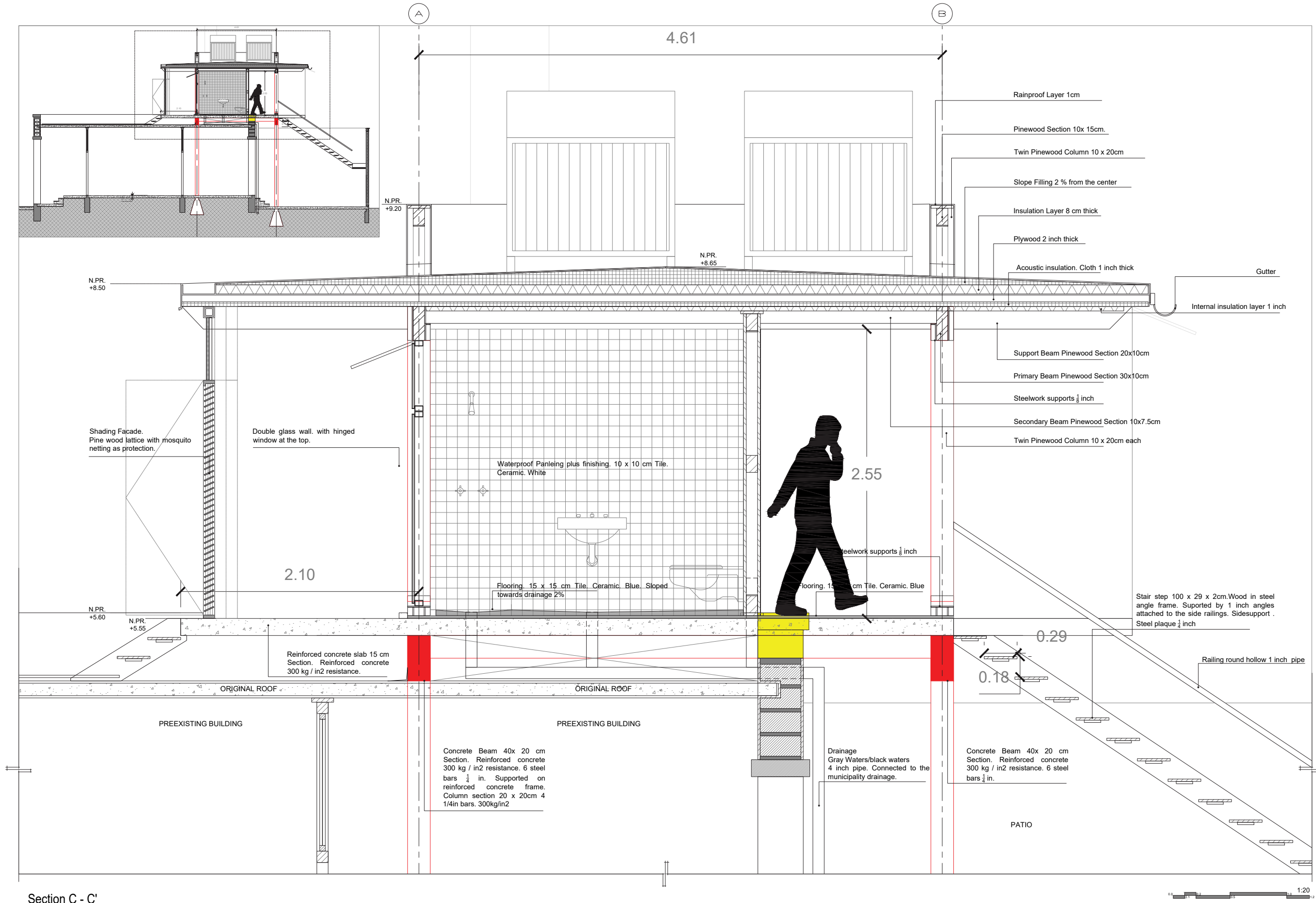
Subject: P5	65
File: Presentation	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
	Date: 17/01/23



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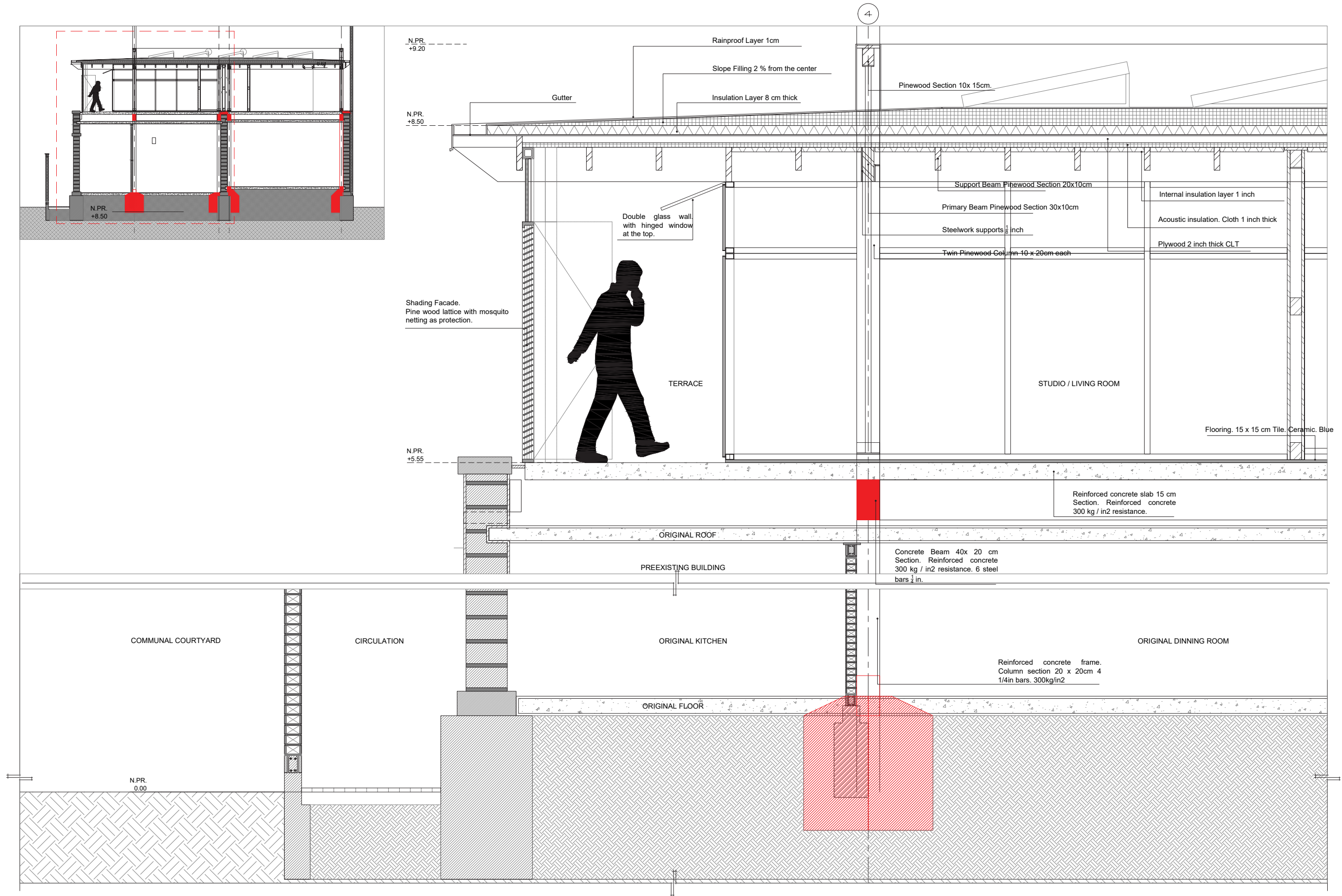




Section C - C'

1:20

Subject: P5	69
File: Presentation	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
	Date: 17/01/23



Section D - D' Detail Plot 2



Subject: P5	70
File: Presentation	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
	Date: 17/01/23

Subject: P5	71
File: Presentation	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
	Date: 17/01/23





Subject: P5

File: Presentation

Location: Sao Francisco, Faro. Portugal

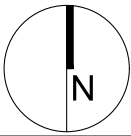
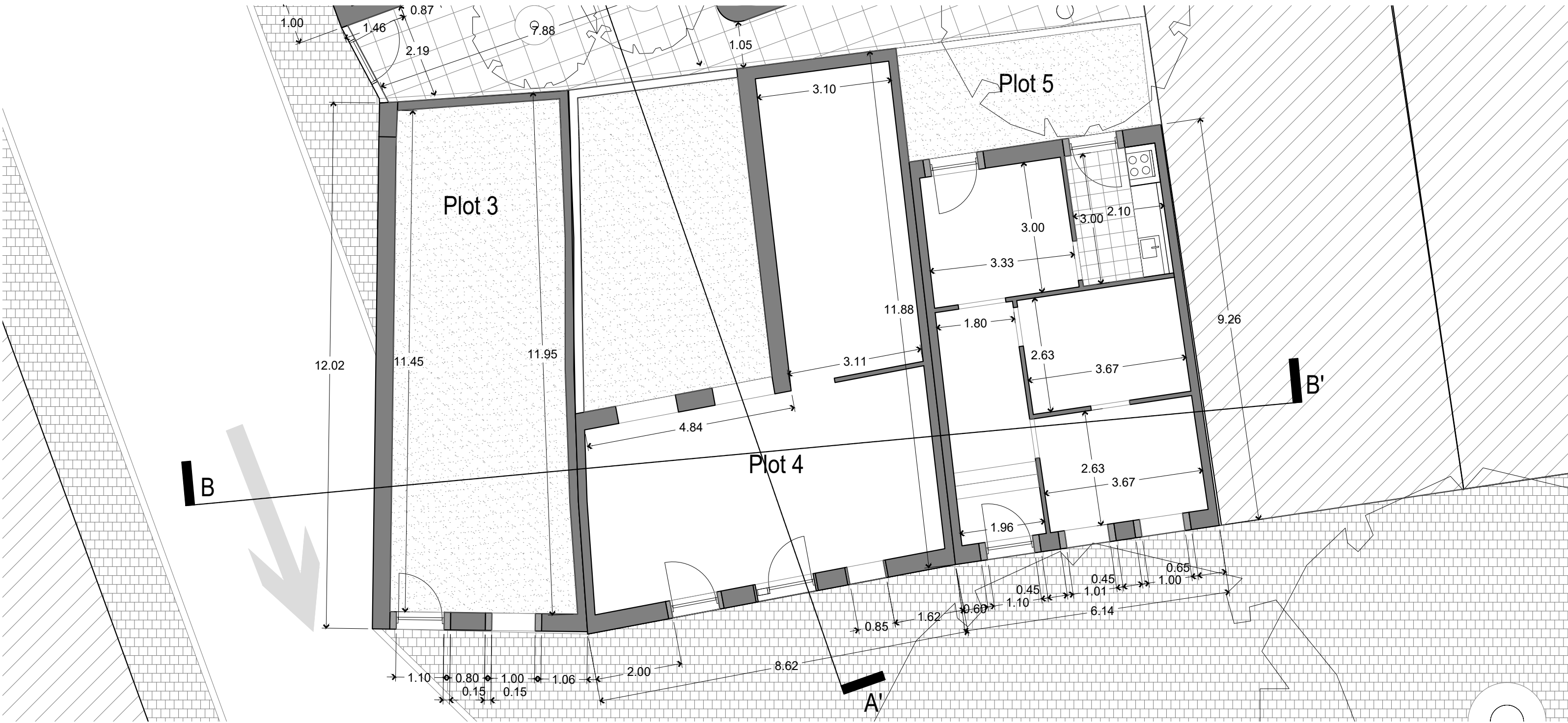
73

Own Illustration

Student: Krist Van Herck

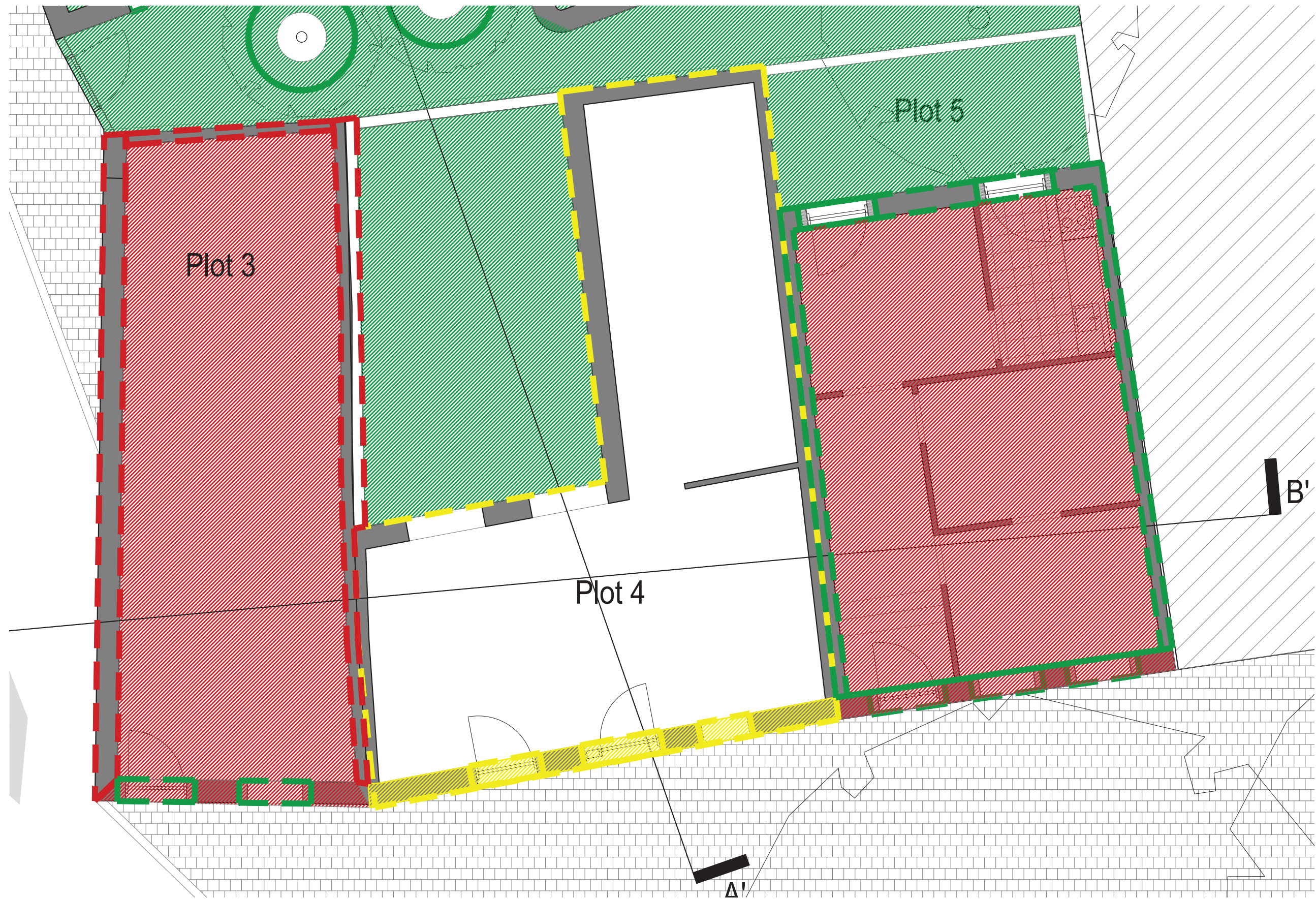
4631641

Date: 17/01/23



Subject: P5	75
File: Presentation	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
	Date: 17/01/23

Own Illustration

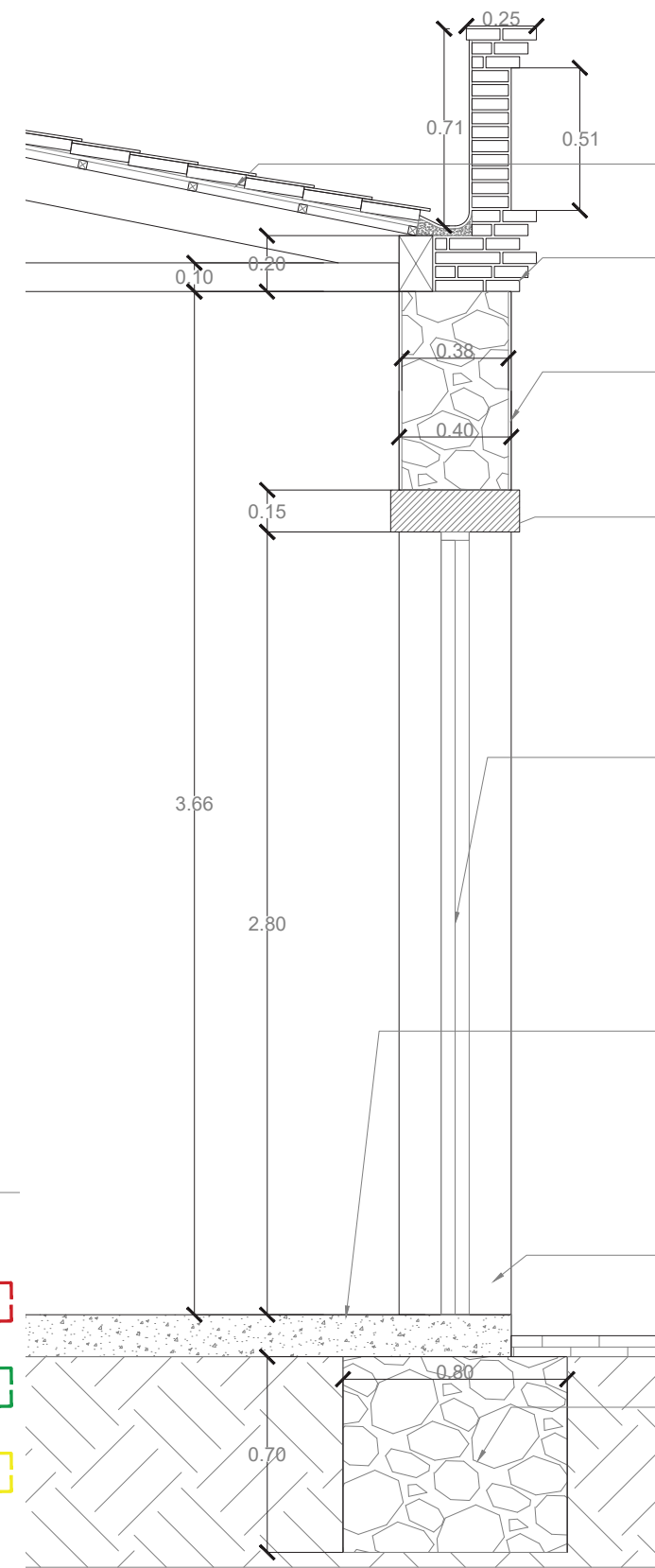
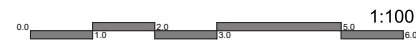
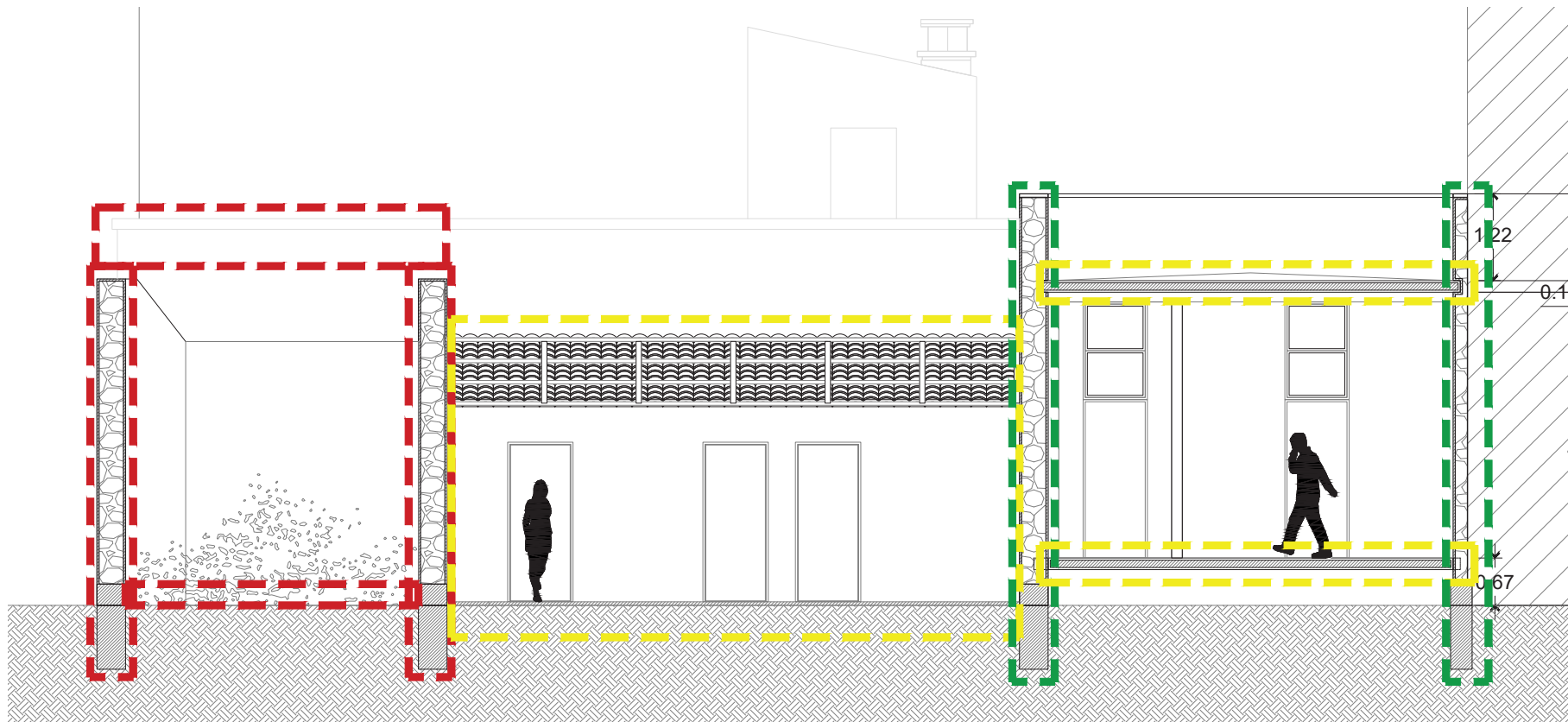
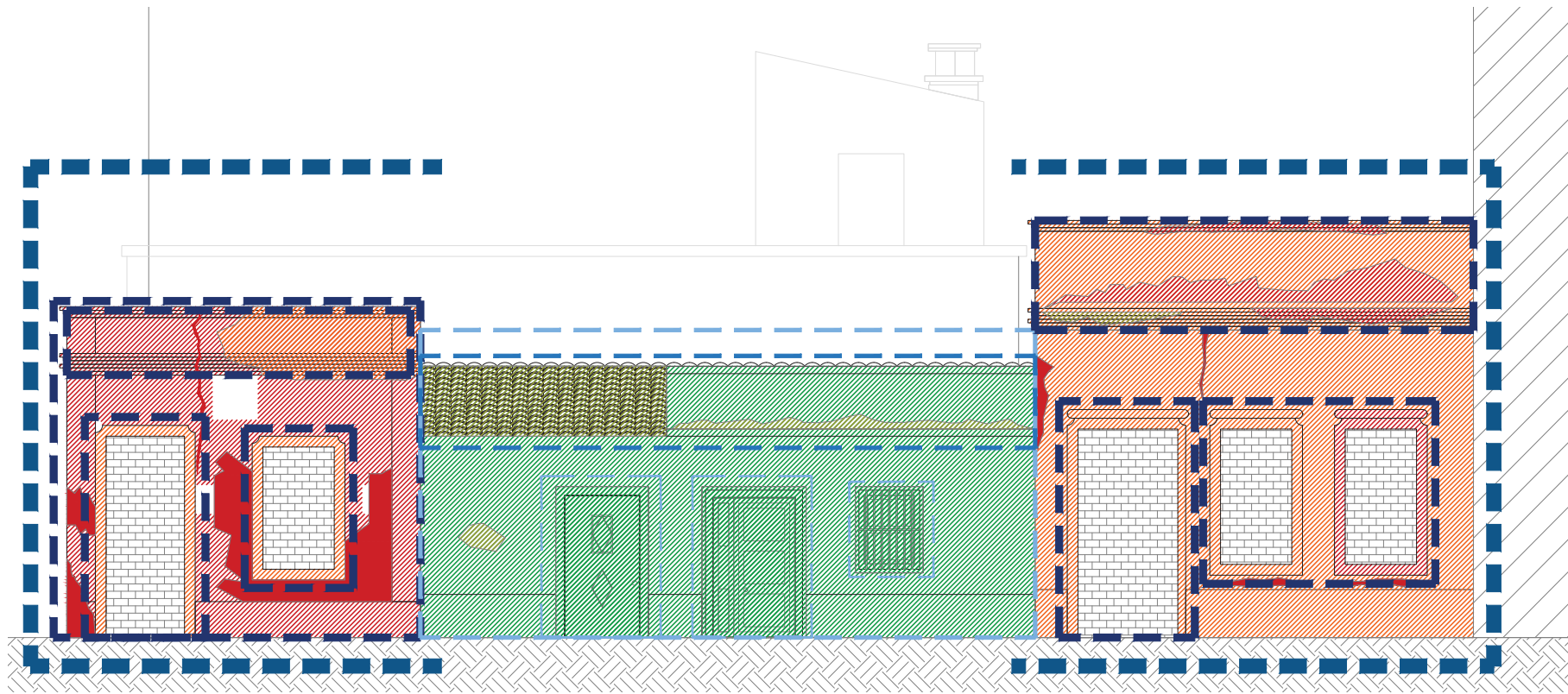


COD CODE

Challenge

Opportunity

Dilemma



Roofing
 Gable Roof. Area covered: 49.7m²
 Wooden beam structure sections:
 20cm x 12cm
 15cm x 15cm
 10cm x 10cm
 3cm x 3cm
 Roof tiles dimensions
 28cm x 26cm x 9cm
 Gutter

Brick masonry walls of current building. 38 cm thickness plus 1cm plaster on each side. Brick dimensions 0.24m x 0.12m x 0.06m. 1cm plaster on each side. Original Element

Stone masonry walls of current building. 38 cm thickness plus 1cm plaster on each side. Original Element

Stone door frame. Limestone. Dimensions 15cm around the frame, 46 cm deep. Original element.

Cancelled Main door. Currently covered with bricks

Floors
 Flooring as finishing stands on a unitary slab of reinforced concrete. Dimensions of the concrete slab: 15cm.

Stone Base Board. Limestone elements that raise the wall for protection. Dimensions 40 cm wide and 50 cm height in facade. Original element

Stone Foundations. Minimum Dimensions according to regulations state minimal depth of 70 cm and minimum 80 cm width.

30D CODE

Challenge



Opportunity



Dilemma

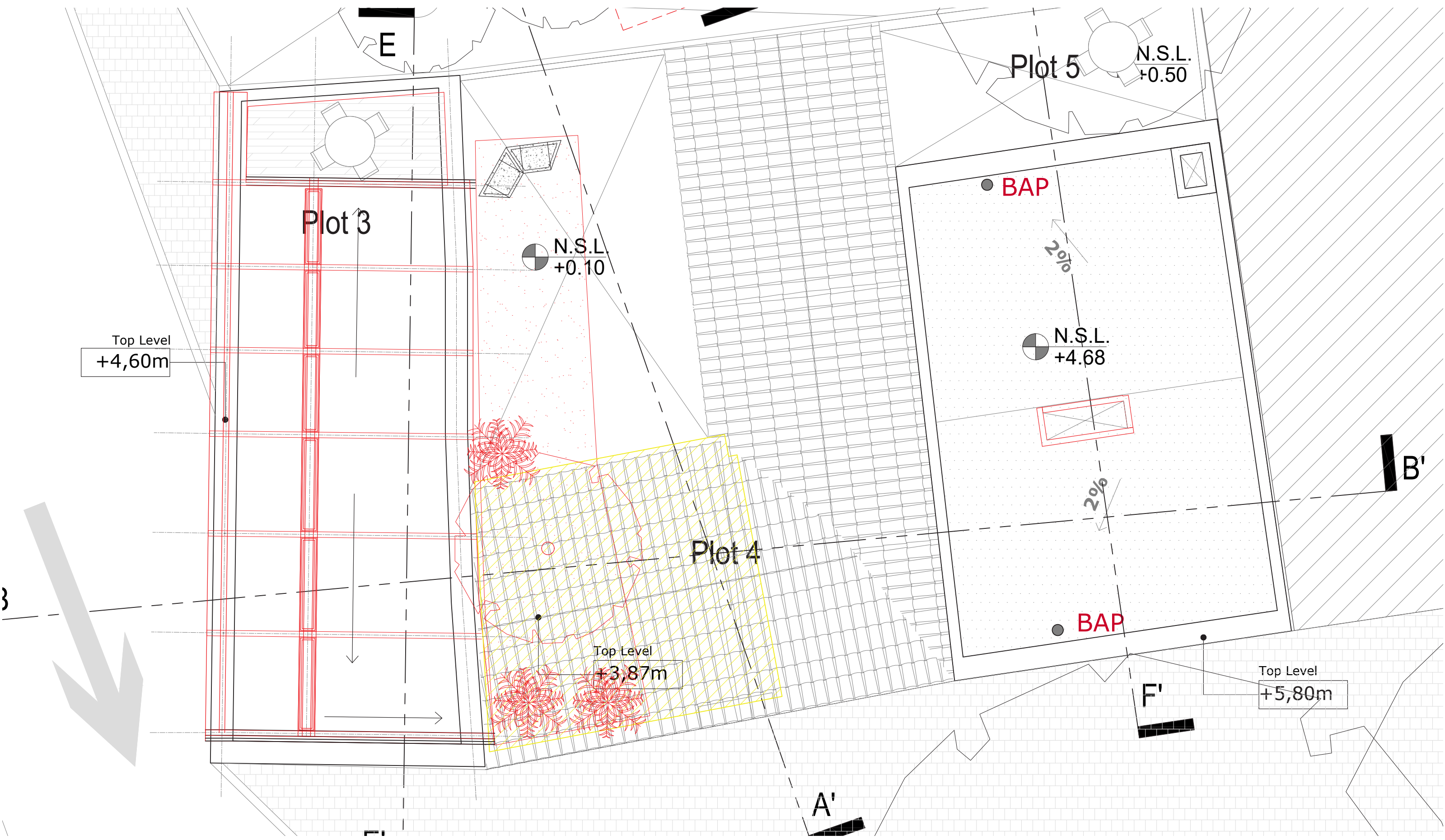


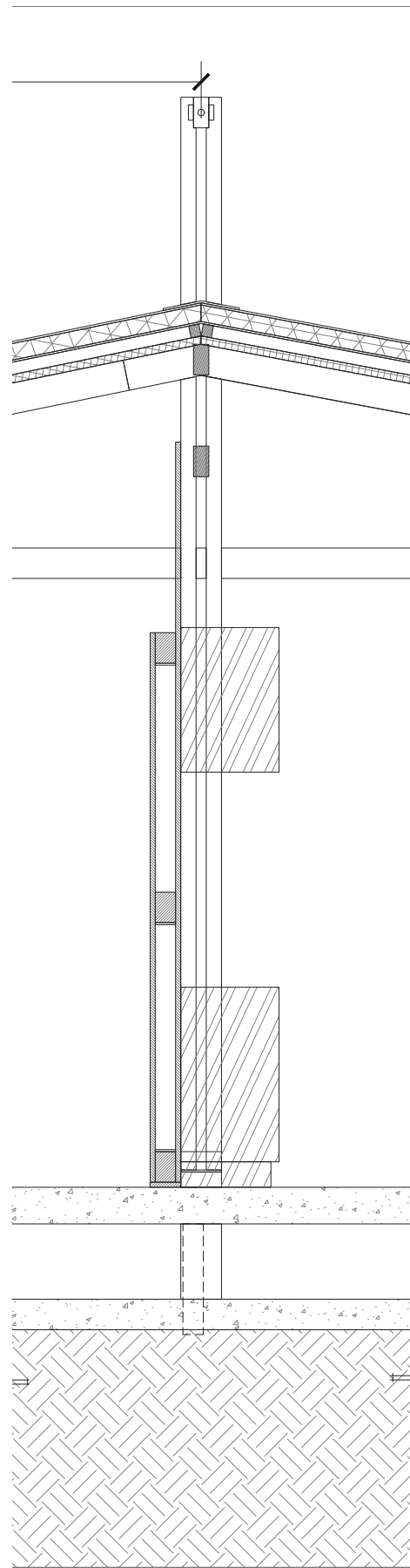
Plot 3 Detailed Section



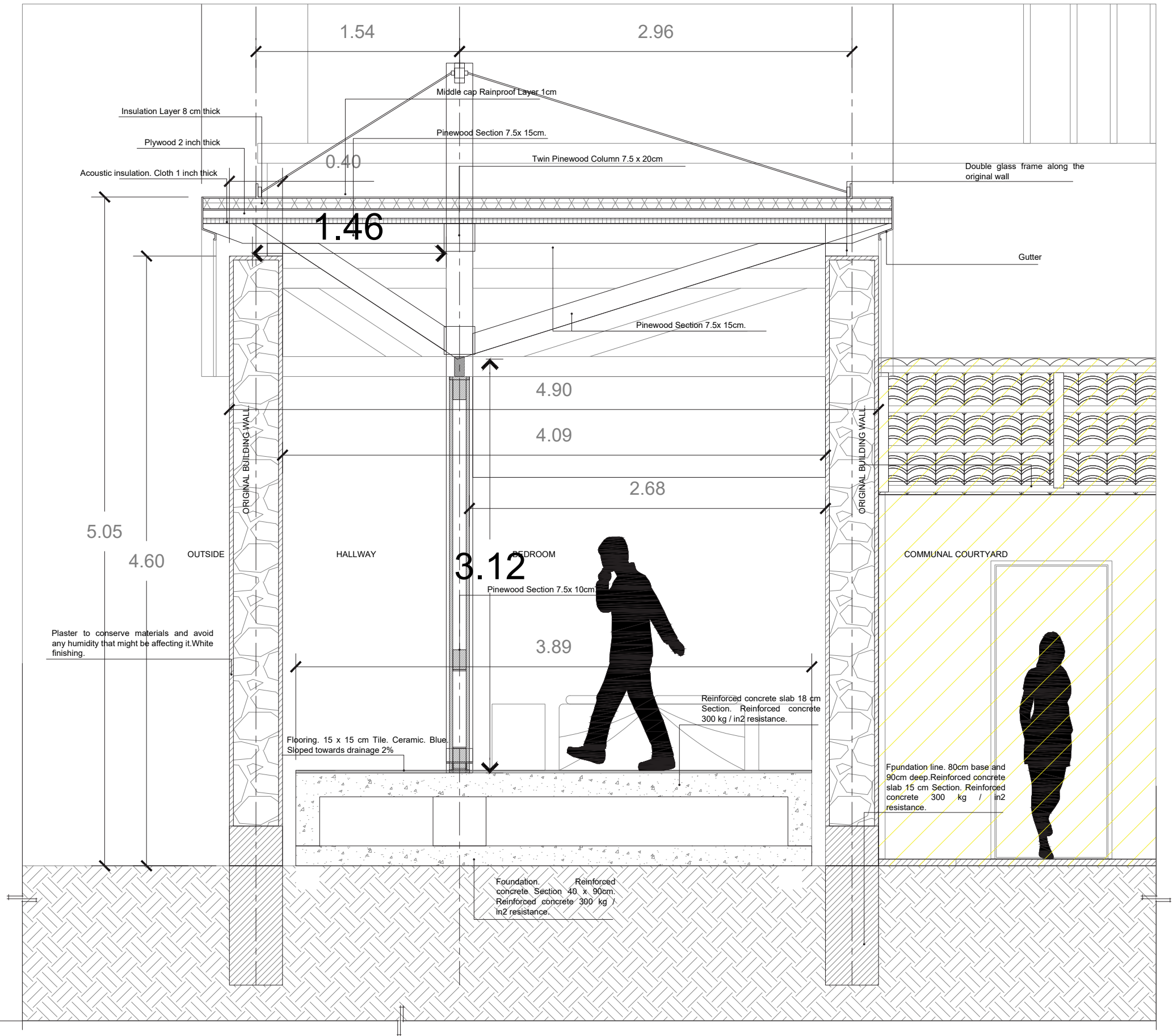


Subject: P5	78
File: Presentation	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
Own Illustration	Date: 17/01/23

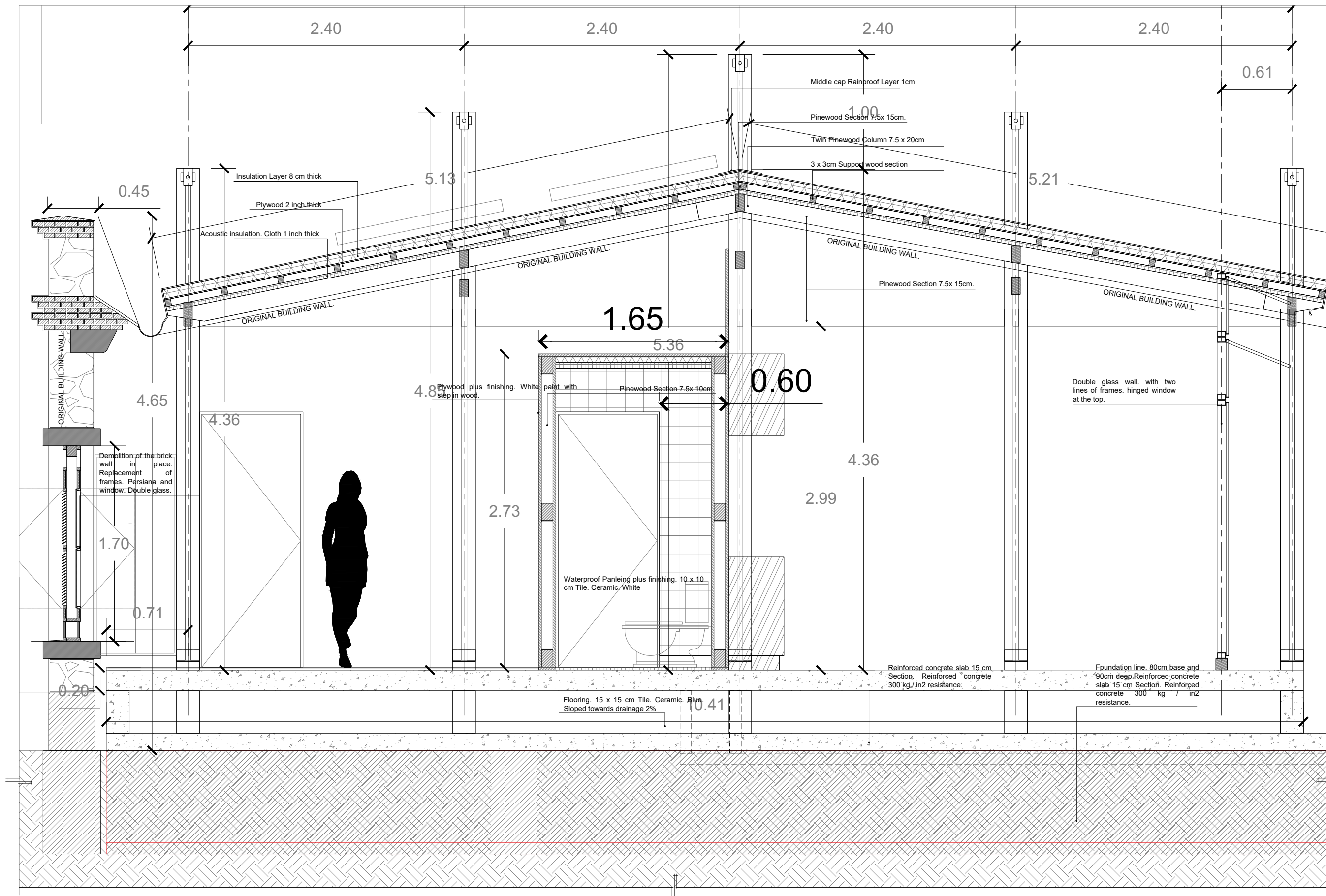




Section B Detail Plot 3



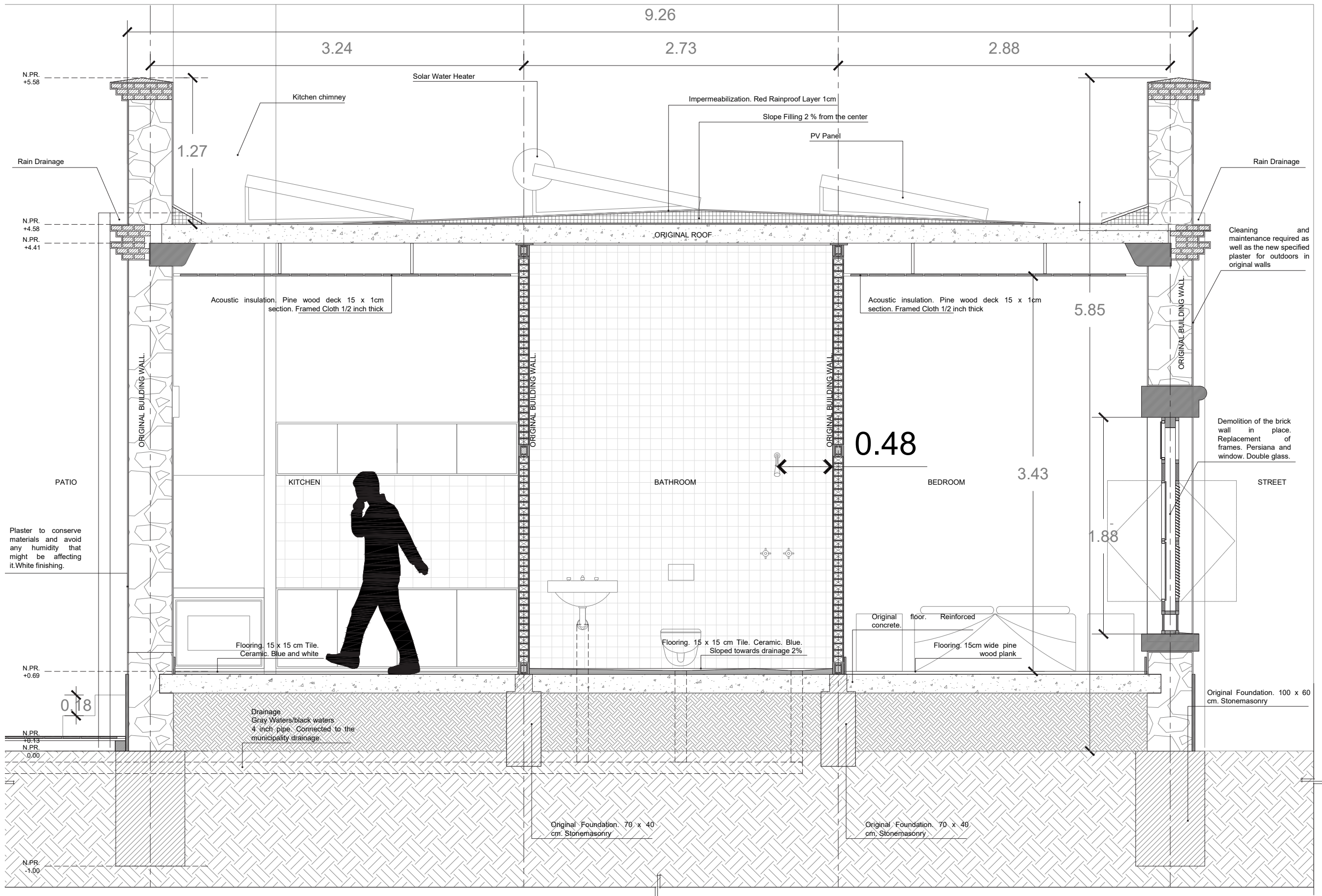
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Section E - E'



Subject: P5	81
File: Presentation	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
	Date: 17/01/23



Section F Detail Plot 5



Subject: P5	82
File: Presentation	Student: Krist Van Herck
Location: Sao Francisco, Faro. Portugal	4631641
	Date: 17/01/23







Subject: P5

File: Presentation

Location: Sao Francisco, Faro. Portugal

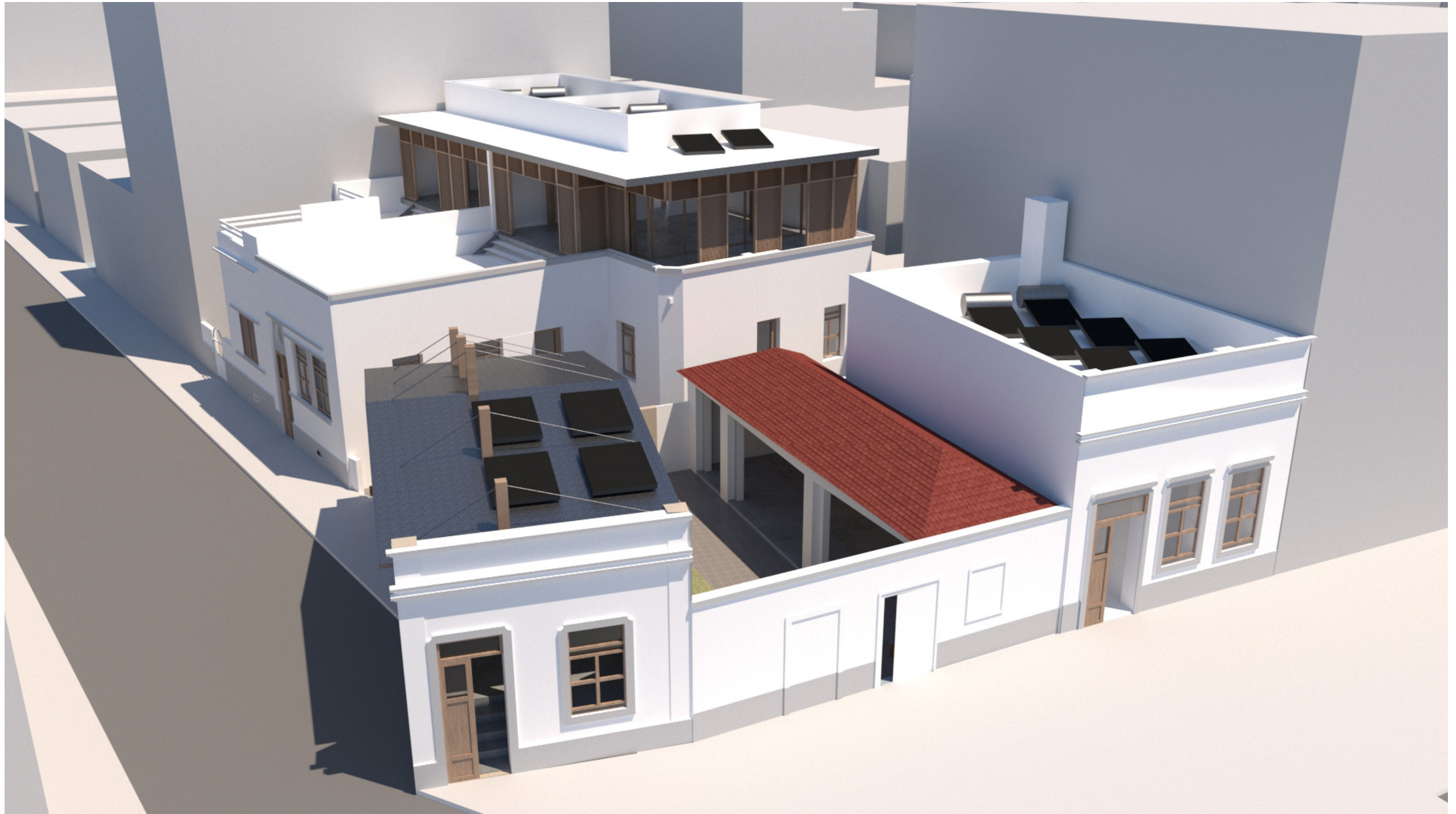
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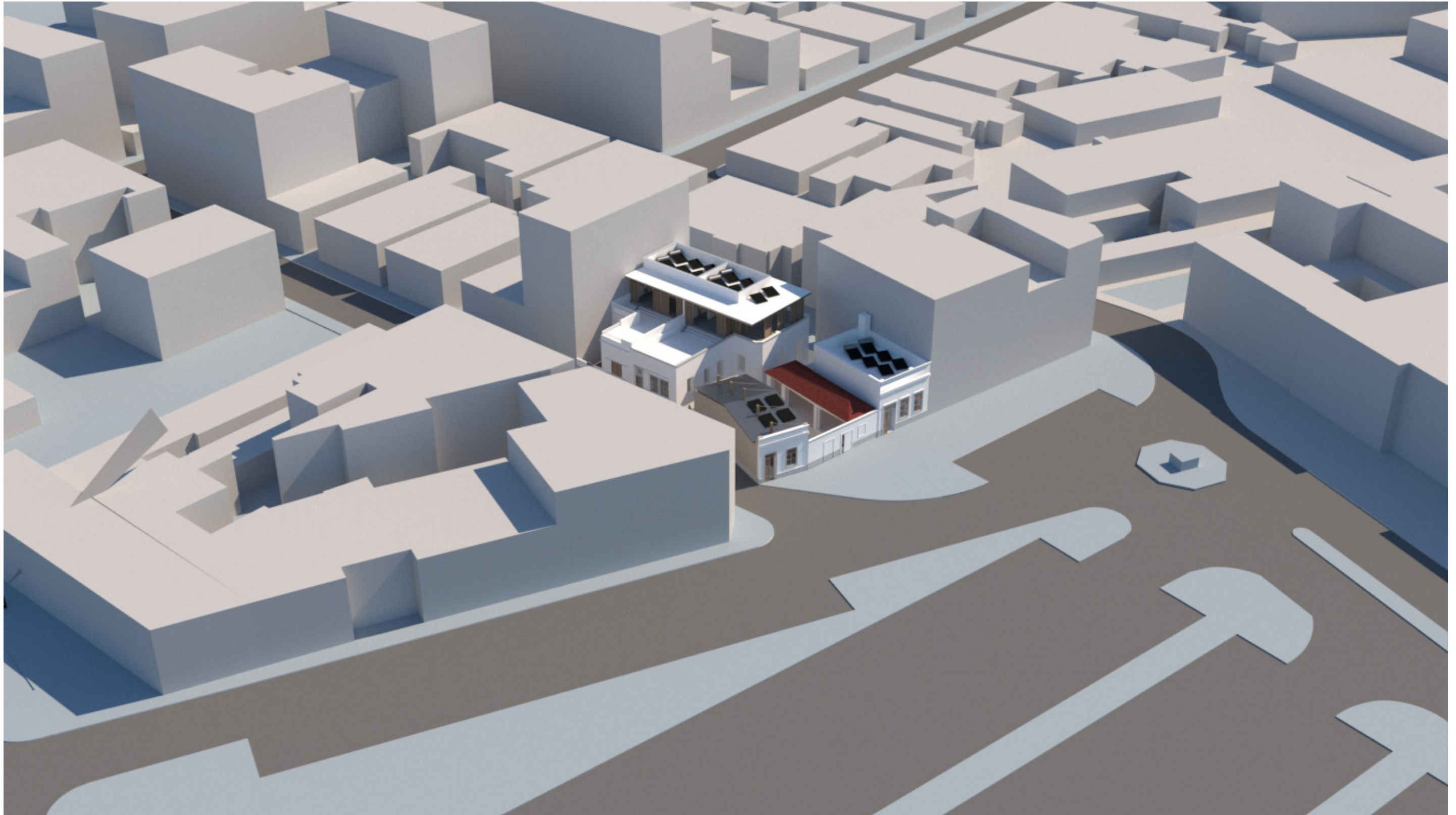
Own Illustration

Student: Krist Van Herck

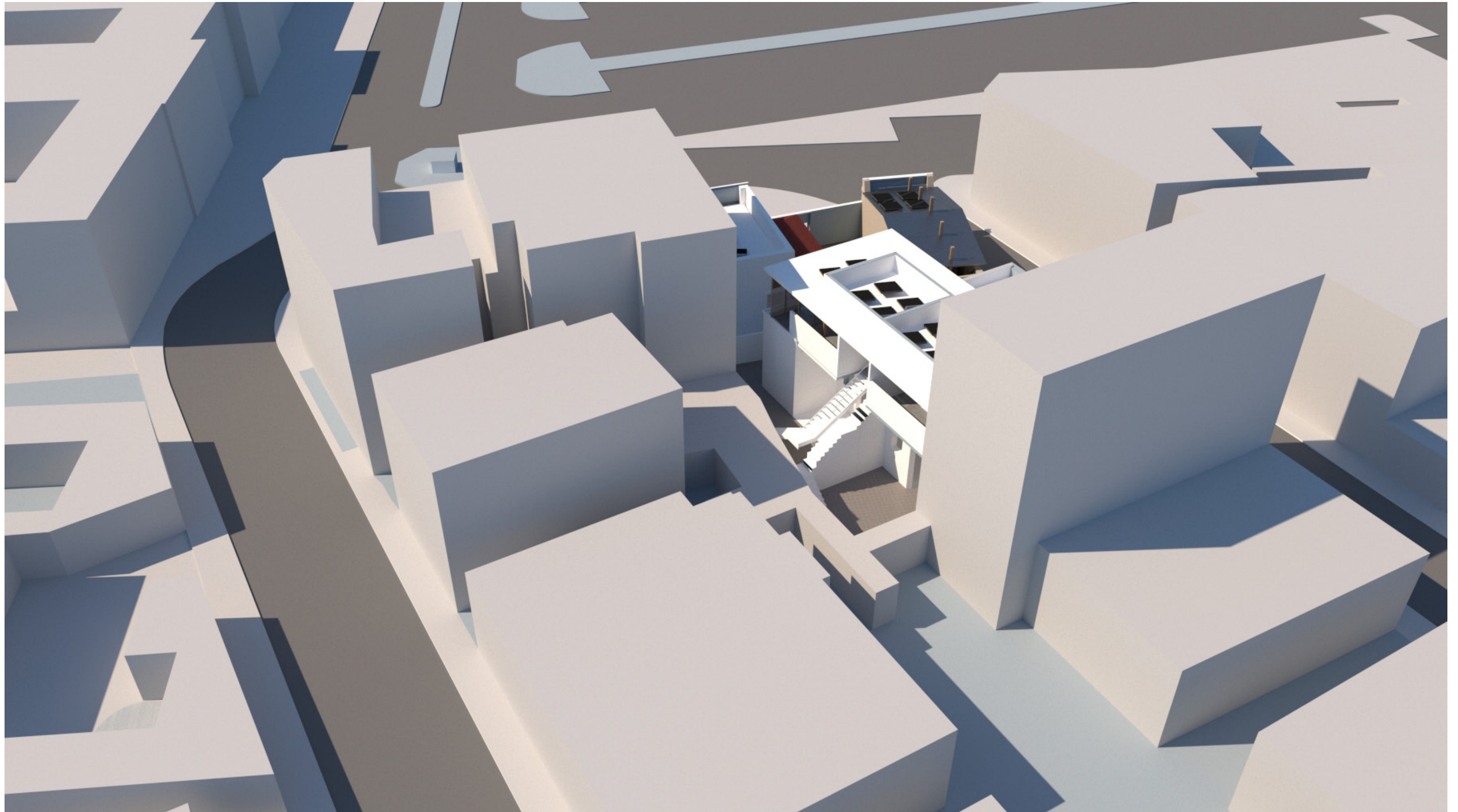
4631641

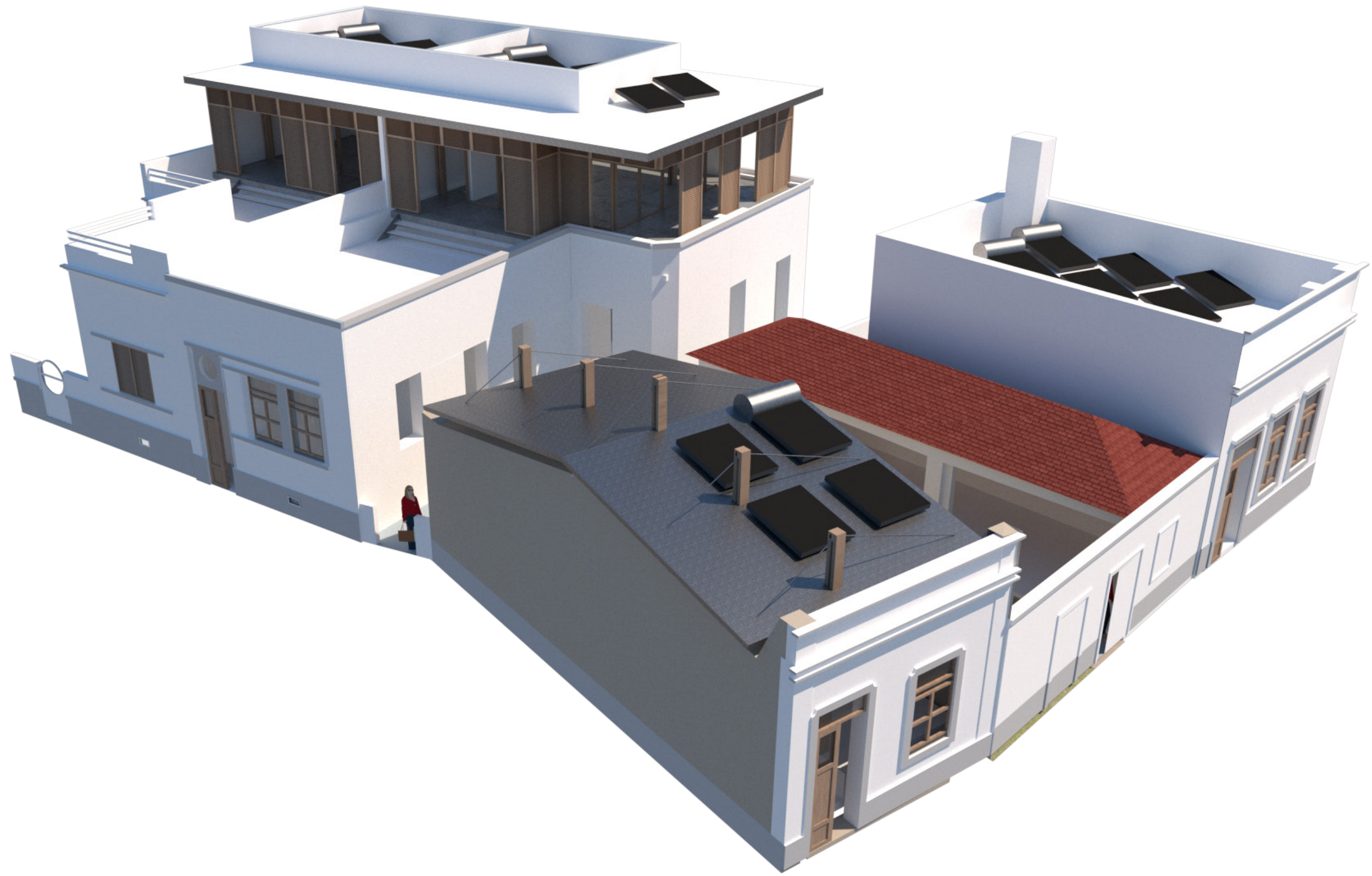
Date: 17/01/23















Conclusion

- Critique

Research stage

Other attributes: roofs, patios, 3Dplans

50/50 share of locals and tourists

Design stage

Design stage was shorter than research

- Tools developed and learned through the process

Plans, participation, Energy, Local architects point
of view: Netherlands/Portugal

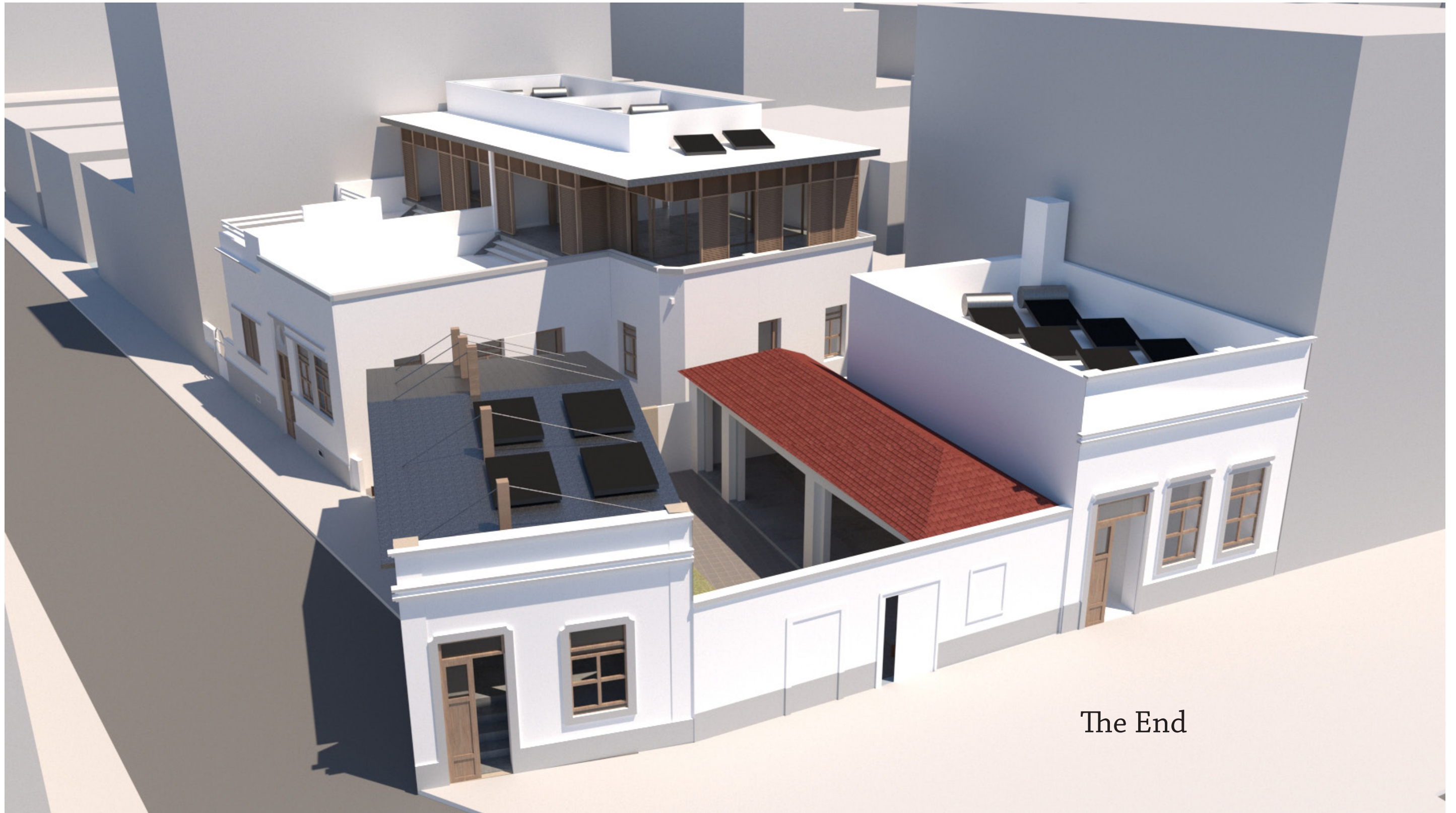
- Participation in the process

Round the process with local expert evaluation

- Red and Yellow

-Wooden Structures in heritage interventions

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The End

Climate design & Energy

The interventions respond to the warm climate of Faro

Vernacular techniques and materials can outperform the intervention in the aspect of climatic design.

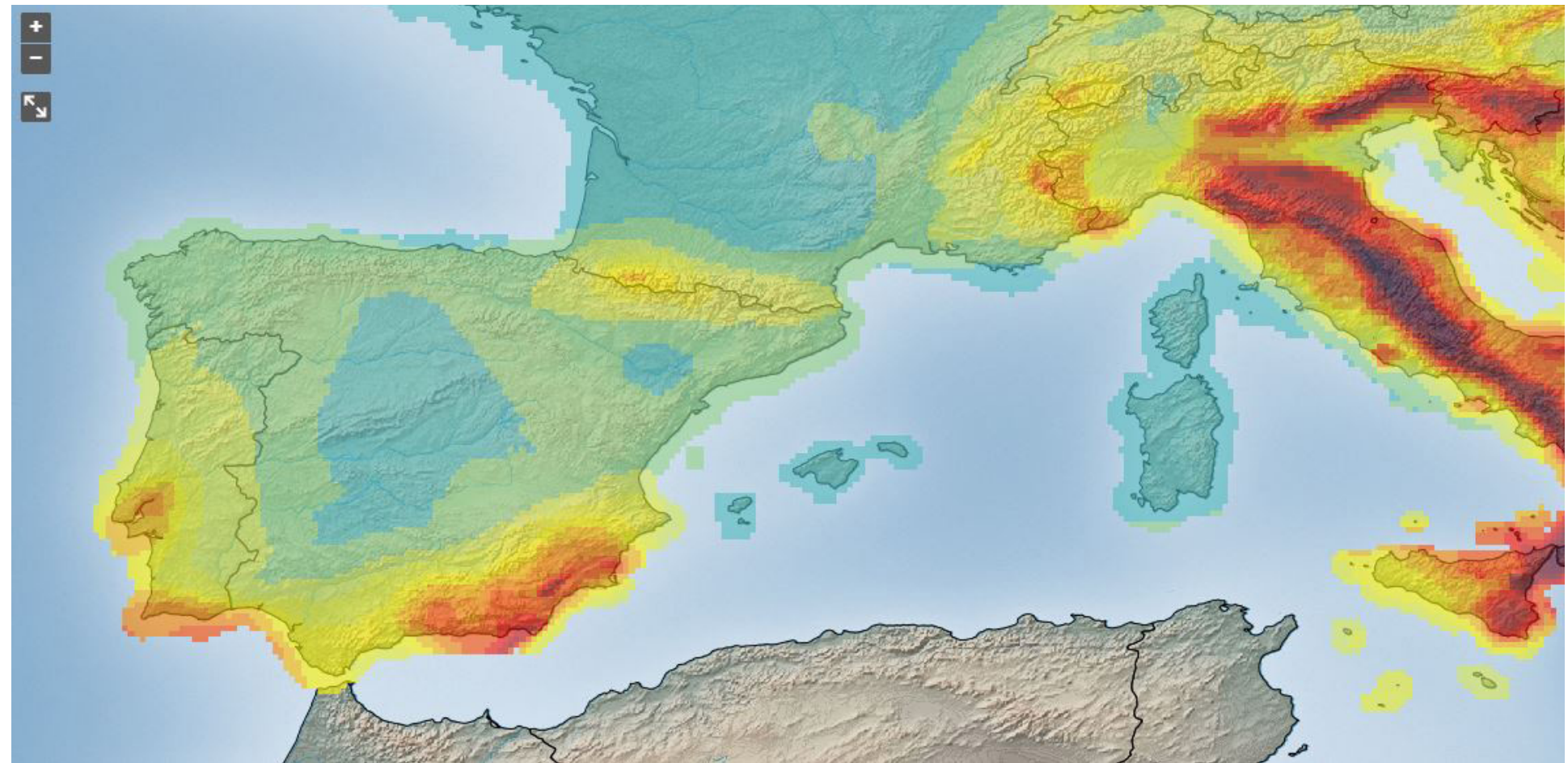
Crossed ventilation and Shading as climate strategies.

According to the INE, the daily consumption in a Portuguese home is about 3,272 kWh per year.

For example, in the province of Algarve the value of the average energy that affects throughout the year is 1700 kWh per m², while in the Norte of Portugal it is 1270 kWh per m².

Thus, in North Portugal we would need between 1 and 3 additional modules to obtain the same energy as in the Algarve Region

Faro 1800 kWh / m²
5 panels cover the consumption of an average home. Six are recommended to compensate for pitch and location issues.



Earthquakes

The 2020 Euro-Mediterranean Seismic Hazard Model (ESHM20)

Historical Earthquake Catalogue

Low risk but still risk

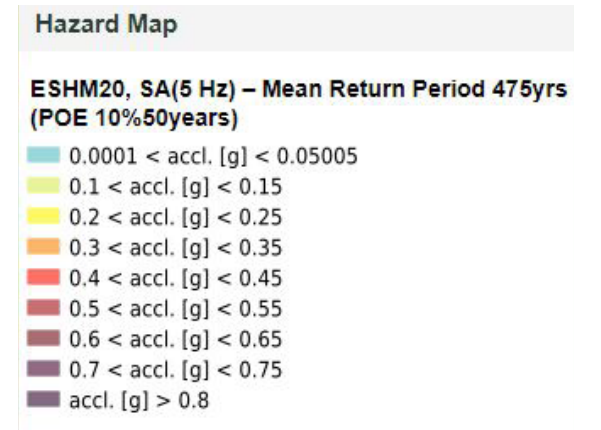
RGEU Structure requirements

Concrete skeleton

Resistance to stress forces
Tension and compression

Light structures on solid foundations

Wooden structures represent 1/5 the weight of a similar concrete structure



LOCAL REGULATIONS TO BE TAKEN INTO ACCOUNT

Bibliography:

RGEU REGULAMENTO GERAL DAS EDIFICAÇÕES URBANAS 2022

GENERAL REGULATIONS FOR URBAN BUILDINGS 2022

SOUTH REGIONAL DIRECTIVE COUNCIL

TITLE I Provisions of Administrative nature
Applicable articles and norms
Art. 1, 2, 3, 5, 6, 7, 8

CHAPTER I Generalities

The execution of new buildings or any civil construction works, the reconstruction, expansion, alteration, repair or demolition of existing buildings and works, as well as works that imply alteration of the local topography, within the urban perimeter and rural areas of protection established for the county seats and other locations subject by law to an urbanization and expansion plan shall be subject to the provisions of this regulation.

TITLE II General conditions
Applicable articles and norms

CHAPTER I Generalities
Art. 15, 16, 17

All buildings, whatever their nature, must be built with perfect observance of the best standards of the art of building and with all the necessary requirements so that they are guaranteed, in a lasting way, the most appropriate safety, health and aesthetic conditions. their use and the educational functions they must perform.

TITLE II General conditions
Applicable articles and norms

CHAPTER II Foundations
Art. 19, 20, 21, 22

The foundations of the buildings will be established on stable ground and sufficiently firm, by nature or by artificial consolidation, to safely support the loads transmitted to it by the construction elements, under the most unfavorable conditions of use.

TITLE I Provisions of Administrative nature
Applicable articles and norms
Art. 23rd to 34th

CHAPTER III Walls

The walls of the buildings will be built taking into account not only safety requirements, but also health requirements, especially with regard to protection against humidity, temperature variations and the propagation of noise and vibrations.

TITLE II General conditions
Applicable articles and norms

CHAPTER IV Floors and Roofs
Art. 35 to 44

In the construction of building floors, not only safety requirements must be met, but also health requirements and protection against the propagation of noise and vibrations.

TITLE III Special Conditions regarding the health of buildings and construction land
Applicable articles and norms
Art. 58 to 64

CHAPTER II Of building together

The municipal councils may condition the license to carry out important works in existing buildings to the simultaneous execution of the accessory works indispensable to guarantee them the minimum health conditions prescribed in this regulation.

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SOUTH REGIONAL DIRECTIVE COUNCIL

TITLE III Special Conditions regarding the health of buildings and construction land Applicable articles and norms
Art. 65 to 82

CHAPTER III Interior layouts of buildings and open spaces Minimum heights
Minimum housing compartments
Mandatory areas
Minimum dimensions
Transverse ventilation of the whole of each dwelling must be ensured
Minimum window measurements
Basement and attics regulations
Patos and external spaces regulations

TITLE III Special Conditions regarding the health of buildings and construction land Applicable articles and norms
Art. 83 to 100

CHAPTER IV Sanitary facilities and sewers All buildings will be provided with sanitary facilities appropriate to the destination and effective use of the construction and recognized as healthy, taking into account, in addition to the provisions of this regulation, those of the General Regulation of Sewage Pipelines.

TITLE III Special Conditions regarding the health of buildings and construction land Applicable articles and norms
Art. 19, 20, 21, 22

CHAPTER VI Evacuation of fumes and gases Compartments in dwellings and any other spaces intended for people to reside in which combustion heating appliances are expected to operate shall be provided with the necessary devices for their ventilation and complete evacuation of gases or fumes liable to harm health or well-being. being of the occupants.

TITLE IV Special conditions regarding the aesthetics of buildings Applicable articles and norms
Art. 121 to 127

Single chapter The constructions in urban or rural areas, whatever their nature and the purpose for which they are intended, must be designed, executed and maintained in a way that contributes to the dignification and aesthetic enhancement of the set in which they come to be integrated. No constructions may be erected that could compromise, through location, appearance or proportions, the appearance of villages or architectural groups, buildings and places of recognized historical or artistic interest.

TITLE V Special conditions regarding building safety Applicable articles and norms
Art. 128 to 134

CHAPTER I Solidity of the building The buildings will be designed and constructed in such a way as to ensure their solidity at all times, and will be permanently maintained in a state where they cannot pose a danger to the public safety and its occupants or that of neighboring buildings.

TITLE V Special conditions regarding building safety Applicable articles and norms
Art. 140 to 159

CHAPTER III Fire Safety All buildings must be designed and constructed taking into account the safety of their future occupants in the event of fire. The necessary provisions will be adopted to facilitate the extinguishing of the fire, to prevent or delay its spread and to avoid the spread to neighboring buildings.

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