# MUSEUM of censorship & freedom of speech

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# **MUSEUM** OF CENSORSHIP & FREEDOM OF SPEECH

#### title

Museum of Censorship and Freedom of Speech

#### description

Master Thesis Project Report on the design of the Museum of Censorship and Freedom of Speech

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## ABSTRACT

#### ENGLISH

The master thesis project outlines an archi- Dette afgangsprojekt består af et arkitektectural response to the peculiar nature of tonisk respons, på dualiteten mellem censur censorship and freedom of speech. These og ytringsfrihed. Disse to terme, hvis indtwo terms, which are growing to be more flydelse samt fylde i den daglige politiske- og and more present in the daily socio- and po- sociologiske debat, er udgangspunktet for et litical agenda and press, are the main topics nyt museum, Museet for Censur & Ytringsin the Museum of Censorship and Freedom frihed. Det er museets ambition at udfordre of Speech. It is the ambition of the museum den besøgendes egen holdning til censur og to challenge the users own individual stance ytringsfrihed, som begge er mekanismer on censorship and freedom of speech, as i samfundet, der har spillet, og spiller en mechanism of society, and to educate on the væsentlig rolle i nutidens Danmark. importance and sociological influence these two terms has and have had.

#### DANISH

## MOTIVATION

I keep hearing this infamous one-liner: "Architecture is about increasing the quality of life". Which is a good ambition. But I think it's is being executed in a very literal and narrow fashion. I will carefully in a childish manor, select an example: Is turning an Incinerator-plant into a skiing-slope, in order to increase awareness of global warming, really problem-solving? Is this utilizing the problem-solving element of architecture to its maximmum capacity? In a sense I would claim, that every problem can become the focus point of a design process. And what problems designers involve themselves with, are also a mix of opportunity and momentum.

I am of the opinion, that one of the most significant societal problems today in our world, is the notion that 'because we are different, we are not going to like each other'. In its many variations, in present and past time: Racism, Xenophobia, anti-Semitism, Islamophobia, Fundamentalism, etc. throughout time, we've seen many examples of cultures colliding: Scientific and Religious, West Germany and East Germany, Scotland and England, Sunni and Shia, American and Iraqi, American and Syrian, American and Afghani, Roman Empire and the World, Left Wing and Right Wing etc. Of course in the aforementioned examples, there are many reasons as to why conflict occurs. And I do not like hypothesizing an *ultimate solution*, to eliminate all culture-related problems. But I do think that one thing, which might help the world progress, in peaceful co-existence, is to increase a common tolerance and a common understanding of different cultural values. And to understand, our history of our cultures colliding.

I think that a common tolerance, can come from a realization, that besides from the fact that you are a part of a culture, you are also a part of the world. And understanding, can come out of knowledge of other cultures. And to metaphorically, 'hit the nail on the head', I think the most crucial subject to discuss, among cultures in unity, is how we communicate, and what we communicate to each other. In theory, if we beyond human decency and humility, are aware of what we ought to say, and not say, and there is a common understanding, and simultaneously a tolerance of what people say and should not be saying, then I think we are closer to peaceful co-existance

Mike Dugenio Hansen STUD.MSCH.ARCH

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## PROLOGUE

Museums are an important part of a society, because of its ability, through artistry, to communicate and question anything from perceptions of beauty, morals, ethics, social values etc.

In the past years, the topic of Freedom of Speech has gained tremendous popularity, sparked by the controversy followed by the Muhammedtegningerne (the muhammed cartoons) "incident".

In the art world the concept of freedom of speech is also strongly present. In short, art is about expressing something. And it is one of its fundamental attributes to have the freedom to express whatever it desires. And likewise with freedom of speech, it questions what you can say, and what you should say?

What binds these two together, is a museum. The Museum of Censorship and Freedom of Speech. This report illuminates the research and process behind the conceptualization of this museum.

## READING GUIDE

terms of communication and perspective

#### FORM

This report is divided into several chapters, namely: *Introduction, Analysis, Room Programme, Design Development, Presentation* and finally *Appendix*. The report tries to imitate as much as possible, the chronological order of the actual design process. However in *Design Development*, this is a little problematic, which will be explained further later. Each chapter is initiated with a short introduction, setting the prerequisites, and is finalized with a conclusion.

#### LANGUAGE

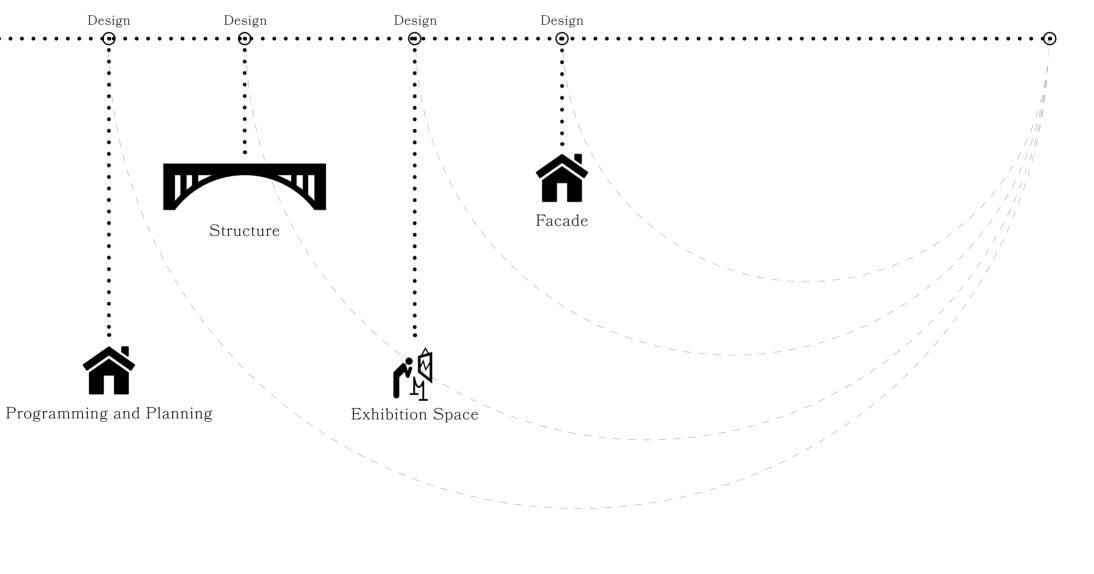
The language of this report, differs from what might normally be considered an academic articulation. The report in all its chapters, balances between *objective writing*, and *subjective writing*. This is to acknowledge, that the substance that is being presented, also undergoes a reflective process by **me**. For example, in the chapter on **Freedom of Speech**, there will be an objective presentation on the term, but likewise I will also reflect upon its meaning to *me*, and it's relevance to *me* in an architectural and design context. In the actual formulation, the greatest of effort has been made to clearly distinct between the two. References are included in the text, both in the formulation, and in the end of a particular sentence, a label indicating the reference will have the form equivalent to that of the Harvard referencing system ie. (Hansen, 2016). In the References (p. 184) list of this report, it is possible to explore further the exact information on a particular reference.

#### DISCLAIMER

Due to the nature of this report, dealing with sensitive subjects. I think it is important to declare that Aalborg University does not necessarily condone the opinions and/or imagery used in this report. And from my perspective, I do not include opinions or imagery with the intentions to provoke or hurt – but to cast light on a problem, and to understand the nature of the problem in question.

# PROJECT ANATOMY Analysis Analysis Analysis Analysis Motivation $\odot \cdot \cdot \cdot \odot \cdot$ Museum Freedom of Speech Design Development Intro Censorship Vision Programme Site Analysis

Presentation



# PROJECT COMPASS

#### DIRECTION, FIELDS OF INTEREST, WIDTH

Any architectural project will have a degree of connectivity to other fields of interest. But for this project, there is a need for a clear distinction and focus of which fields of interest are not only relevant, but necessary to give the problem the appropriate amount of substance.

#### SOCIOLOGY

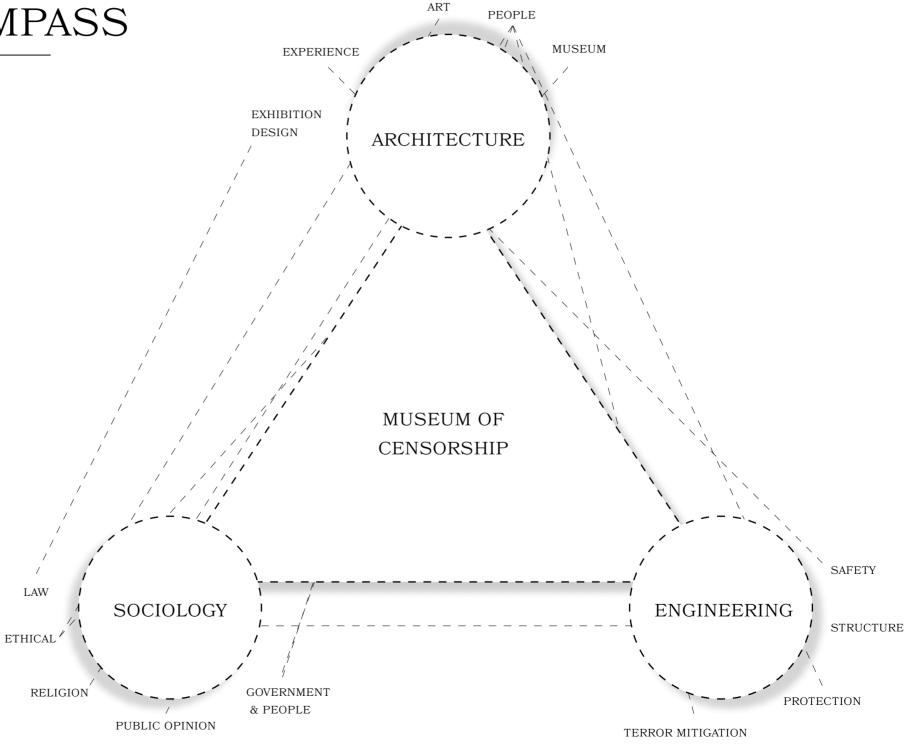
"How is society influenced by freedom of speech/censorship?"

#### ARCHITECTURE

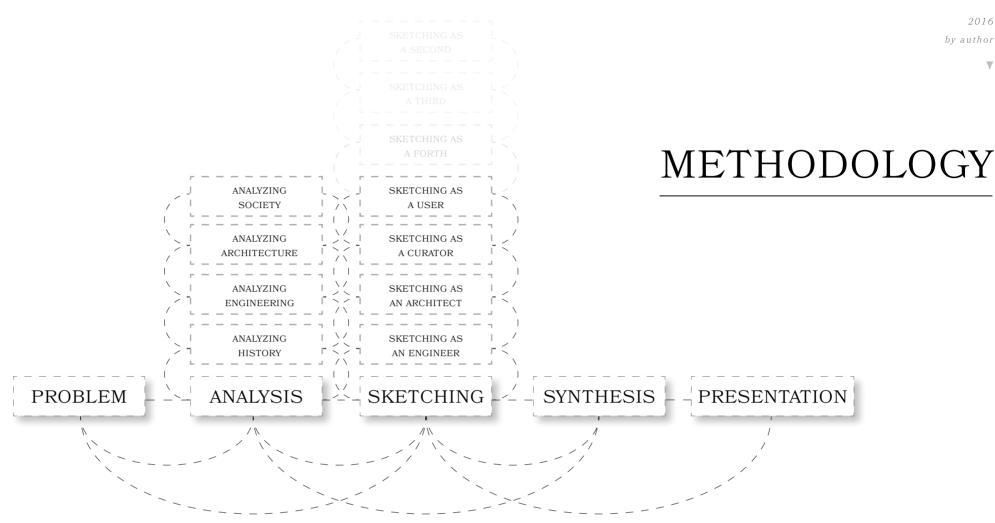
"How can a museum, *teach* the historical influence, and importance of freedom of speech and censorship in the future?"

#### ENGINEERING

"How can does architecture react to the notion of terror-mitigation? And how is this implemented?"



#### MASH-UP DIAGRAM WITH (KNUDSTRUP, 2004)'S IDP PROCESS DIAGRAM AND OVE ARUP'S ABC APPROACH



At Aalborg University, one of the most prev- In Tectonic Culture, the notion of tectonic builder, understanding construction, mate- The tools in order to create this project is of, alent methodologies to control the design design, has since its origin and throughout rials, gravity, space and the physical reali- and will be used in a great variety. The analprocess of architecture, is the *Integrated De*- its evolution, always ascertained a particular ty, and  $\mathbf{C}$  being the Caretaker, taking care of sign Process (IDP). This process authored focus on structure (however its definition) people, their needs, their wishes and under- and theory studies, creating supplementary by Mary-Ann Knudstrup, describes a de- and structure's relation to other elements of stand their use (Arup, 2012). sign process, wherein the designer investi- architecture. gates the design, from both and aesthetical and technical point of view. In a simplified And the notion that the structure in architec- signer also has to try and emulate different of the site, through photography, and other manner would could say it is both the per- ture, is an integral part of the sensory experi- persons. A mild schizophrenia. As a designspective of the architecture, and the engi- ence of architecture, and not merely means er, you have to be both an architect, and an neer that in unity, creates a holistic design and to keep the building stable, but means engineer, but you also have to be every per- The design phase will include a various (Knudstrup, 2004).

Sketching, Synthesis, Presentation. And in an iterative loop order, the design and In Sir **Ove Arup**'s *Philosophy of Design*, project grows by redefining itself by the data it keeps investigating. This method is to be adapted and applied in this project.

Arup describes an ABC in Building Design, saying that in order to design, one must ad- this building? Etc. This idea of a 'multi-mindjust into different roles. A being the artist, finding an aesthetic that works, and inspire admiration though experience. **B** being the

to create an enhanced spatial experience son who uses the building. How is the **cu**through structure's presence. This focus on **rator** going to use the exhibition spaces? Through five phases: **Problem**, **Analysis**, structure, will also be present in this project. How is the **visitor** going to find the emerset', is something this project will strive for.

vsis phase will focus primarily on literature diagrams to convey, interpret, or illustrative different topics. The site will be investigat-What I like about this idea, is how the de- ed through mappings of different elements investigative measures.

number of studies, view, volume plan and programming studies. Simulations of daylight, shadows, structure, wind, rain etc. gency exit? Or the toilet? How is the **restau**-Sketching, diagrams, 3D-modelling, modrant-chief going work in his kitchen? How is el-making, will help inform the design. And someone in a wheelchair moving around in the later stages, the project will be presented through text, architectural drawings and diagrams, visualizations to convey atmospheres and so forth.



# 1

## ANALYSIS I - FREEDOM OF SPEECH & CENSORSHIP

In order to create a solid foundation for the project. The analysis phase is initiated with an exploration of two core concepts for the project: **Freedom of Speech** and **Censorship**. These two phenomenon will be the central focal point of the museum – therefor the exploration of them will also help to inform and inspire to how these concepts should be manifested architecturally. The main investigation is to create an understanding, of how these two are related to eachother.



### Ancient Year 399 B.C.E.

The philosopher Socrates is by a court of trial, sentenced to death for 'speaking against the Gods of the State'. (Linder, 2002)



Early Censorship

(Green & Karolides, p. 131, 2005)

The council of Ephesus bans 'ACTA PAU-

Ll' a 'religious romance' book about virgini-

Year 150

0

ty and religion.

Middle Ages Year 681

The Council of Constantinople orders the destruction (burning) of 'heretical works'. The first case of The Church ordering the actual destruction. (Green & Karolides, p. 132, 2005)



 $\odot$ 

0

#### Hebrew Texts Year 1239

Pope Gregory IX orders all copies of **Talmud** removed. (Talmud is an affiliate text to Tora) The Tora can, in a narrow view and formulation, be described as the Jewish equivalent of the Bible. (Green & Karolides, p. 133, 2005)

#### Book Ban Year 1348

Parisian Nicholas d'Autrecourt has his 'theological propositions' condemned by Pope Clement VI. Nicholas was forced to destroy his own work. (Green & Karolides, p. 133, 2005)



#### Book Ban Year 1487

Pope Innocent VIII issues a bull (Papal Bull: an early type of patent-writing) to regulate the department of printing at the University of Cologne. This is one of the first 'orders' from the Papacy (Papacy: the office of the Pope – Roman Catholic Church) to suppress theisms. and notions of anarchism and nihilisms. ideologies that certainly are not in the favor of the church, were condemned as *immoral*. Consequences were fines, excommunication and book burning. (Green & Karolides, p. 134, 2005)



#### The *Dialogo* Year 1564 Based on early observa-

tions by Nicholas Copernicus (1473), Galileo indulges in work that suggests and theorizes that the **Earth is not** the center of the universe, but is simply revolving around the sun, as are our neighbor planets. Unlike Copernicus, Galileo could scientifically base his theory of his invention: the telescope. In june 1633 the Roman Inquisition orders Galileo to condemn his own work and false. His work The *Dialogo* was formally banned. Until 1864.

#### (Green & Karolides, p. 211, 2005)

#### **BRIEF HISTORY OF CENSORSHIP**

The goal with this diagram is to give an insightful overview of how Censorship and Freedom of Speech has influenced critical points in our history, and how it effects the entire world. Censorship and Freedom of Speech has a massive influence and effect, so only certain focus points are selected here, and there are unarguably a vast amount of other examples in addition, that are not being shown here, but just as crucial.

\*The timeline is not in scale.



#### Book Burning Year 1933

 $\odot$ 

On May 10<sup>th</sup> 1933, german students march onto the square in front of the University of Berlin, and ignite a bonfire of books, approximately **20.000 books**. The reason being that the books "*act subversively on our future or strike at the root of German thought, the German home and the driving force of our people.*" (Green & Karolides, p. 90, 2005)

# $^{\circ}$

#### "Cogito ergo sum -I think therefor I am" Year 1637

René Descartes, acclaimed founder of modern philosophy, and with his works Discours de la méthode (1637, Méditations philosophiques (1641), Principia philosophia (1644) and Traité des passions de l'âme (1649) has had a vast influence on cognitive thinking and philoso**phy.** With the rumor of being pro-Galileo. Both the Church in 1772 and the communist government of the USSR in 1926 condemned his works. (Green & Karolides, p. 172, 2005)



#### Bauhaus Year 1933 Walter Groni

Walter Gropius founded the Bauhaus, an architectural movement focused on a particular modern aesthetic. Visited by the Nazi police Gestapo on April 11<sup>th</sup> 1933, and shut down on the basis that it was "a breeding place of cultural Bolshevism". The Nazis didn't not share the same appreciation for The Bauhaus aesthetic, claiming that it was an architecture only fit for factory buildings, and that flat roofs were oriental, and oriental meant Jewish. The Nazi Party tried to enforce, that only architects fond of the Neo-Classical style where allowed to practice or teach. (Green & Karolides, p. 64, 2005)



#### Democratic People's Republic of Korea (DPRK) Year 1948

North Korea is one of the most controlled countries in the world when it comes to freedom of speech and press. Nearly all political, social, economic, and academic groups and activities are under firm surveillance. The Korean Workers' Party (KWP) control all of the media in the country. Where most press is revolving the continued propaganda framing South Korea and the U.S. as enemies, and glorifying personalities like Kim Jong II, and the North Korean army and country. All writers must be members of the Union of Writers and Artists, which currently holds 350 members. (For perspective the population of North Korea is approximately 24 million (Adlakha & West, 1997)).

(Green & Karolides, p. 421, 2005).



## The Satanic Verses Year 1988

On September 26th 1988, The Satanic Verses by Salman Rushdie were published in England. Focusing on the foundation of Islam, the book grew a reputation of being offensive to the Muslim community. **The book was later banned in India, Pakistan, Saudi Arabia, Somalia, Egypt, Sudan, Malaysia, Indonesia, Qatar and South Africa.** (Green & Karolides, p. 515,

105)

#### SELECTED CASES OF FREE OF SPEECHS INFLUENCE ON DANISH HISTORY

It is undeniable, that the Freedom of Speech has always had a presence in history, globally as well as in Denmark. In this timeline, certain milestones within the history of Freedom of Press, in a Danish context is presented, to give an impression of its influence and origin. \*The timeline is not in scale.

lacksquare



## 1683 Danske lov

#### **Protecting God**

As a point of departure, and a display of the status of freedom of expression in the 1600th century. A segment from Danish Law from 1683:

"

Whom is proved, to have burdened God, or blasphemed his holy name, word, and communion. Ought to have their tongue, living, cut out of their mouth, thereafter hit on the head, and further more the tongue should be put on a stick for public display

11

Hvem som overbeviises at have lastet Gud, eller bespottet hans hellige Navn, Ord og Sacramenter, hannem skal Tungen levendes af hans Mund udskæres, dernæst hans Hoved afslaaes, og tilligemed Tungen sættes paa en Stage

#### Translated from Danish to English by author.

(Bärens, 1797) (secondhand source)

#### 1770 Johann Friedrich Struensee For good and for bad

In the early dawn of the age of Freedom of Press, Johann Friedrich Struensee, a politician and royal doctor of the time. In a short period Struensee implemented complete Freedom of Speech and Press, which set the milestone for Denmark to be one of the first countries in the world to declare this.

However, it was heavily rumored that Johann Friedrich Struensee, also was the 'lover' of Queen Caroline Mathilde. Struensee would now suffer a serious backslash, as anonymous publications, who slandered both him and the royal family, would flood the public realm. On the 7th of October 1771. The freedom was withdrawn. And publications would have to clearly state the name of the author, in order to me publicized.

#### Total freedom survived for a year and a month.

(Bricka, p. 501-515, 1905)

#### 1799 Freedom of Press Regulation Protecting the King

In 1799, Crown Prince Frederik the 7th inaugurates the Freedom of Press Regulation (Trykkerifrihedsordningen af 1799), which exemplifies to which extent the Law, The Royal Family, can be criticized. Which is none. The following is from the first paragraph of it:

99 \$1: Who, through the means of publications or writings, implies or advices to changing, in the law, or form of government, or oppression towards The King, or his recommendations - ought to have life discontinued.

<sup>7</sup> §1: Hvo, som befindes, i noget ved Trykken udgivet Skrift, at tilskynde eller raade enten til Forandring i den, ved Fædrelandets Grundlov bestemte, Regieringsform, eller til Opstand imod Kongen, eller til at imodsætte sig Kongens Befalinger bør have sit Liv forbrudt.

Translated from Danish to English by author.

(AU, 2015) (secondhand source)

#### 1848 Kong Frederik 7. A global freedom

The birth of 'The Young Democracy' is initiated by Kong Frederik 7th whom inaugurates the first Constitutional Act of Denmark (Grundloven), in which the §77 implementes Freedom of Speech, under the condition that you might be subjected to the court of law. (Sleiborg, 2016)

"

§77: Any person shall be at liberty to publish his ideas in print, in writing, and in speech, subject to his being held responsible in a court of law. Censorship and other preventive measures shall never again be introduced.

The constitutional Act of Denmark

#### 1940 Nazi-germany Press against Occupation

In 1940 during the occupation of Denmark by Nazi Germany. The Danish was restricted to not publish any information about military positions in Denmark, or anti-German propaganda. The illegal publishing, and distribution of publications becomes an integral part of the assimilation of the rebellion against the Occupation.

(AU, 2015)

77

## . •

## Pornography Year 1969

The Danish parliament abolished all laws relating to printing obscenity. Liberating Pornography in Denmark, resulting in a drop of approximately **50%** of pornography in circulation. (Green & Karolides, p. 169, 2005)



#### The First Amendment

**??** Congress shall make no law respecting an establishment of religion, or prohibiting the free exercise thereof; or abridging the freedom of speech, or of the press; or the right of the people peaceably to assemble, and to petition the Government for a redress of grievances. 99

First Amendment to the United States Constitution

#### The Universal Declaration of **Human Rights**

#### Article 18

<sup>??</sup> Everyone has the right to freedom of thought, conscience and religion; this right includes freedom to change his religion or belief, and freedom, either alone or in community with others and in public or private, to manifest his religion or belief in teaching, practice, worship and observance. , , ,

The Universal Declaration of Human Rights by United Nations. 2008-2009.

#### Freedom of Speech

**??** The right to express any opinions in public. This right became part of American law under the First Amendment. If the opinions expressed are false or damage a person's reputation, however, that person can take legal action under US law. In Britain, people are free to express most opinions, but it is against the law to express some ideas, e.g. ideas that aim to cause racial hatred. 11

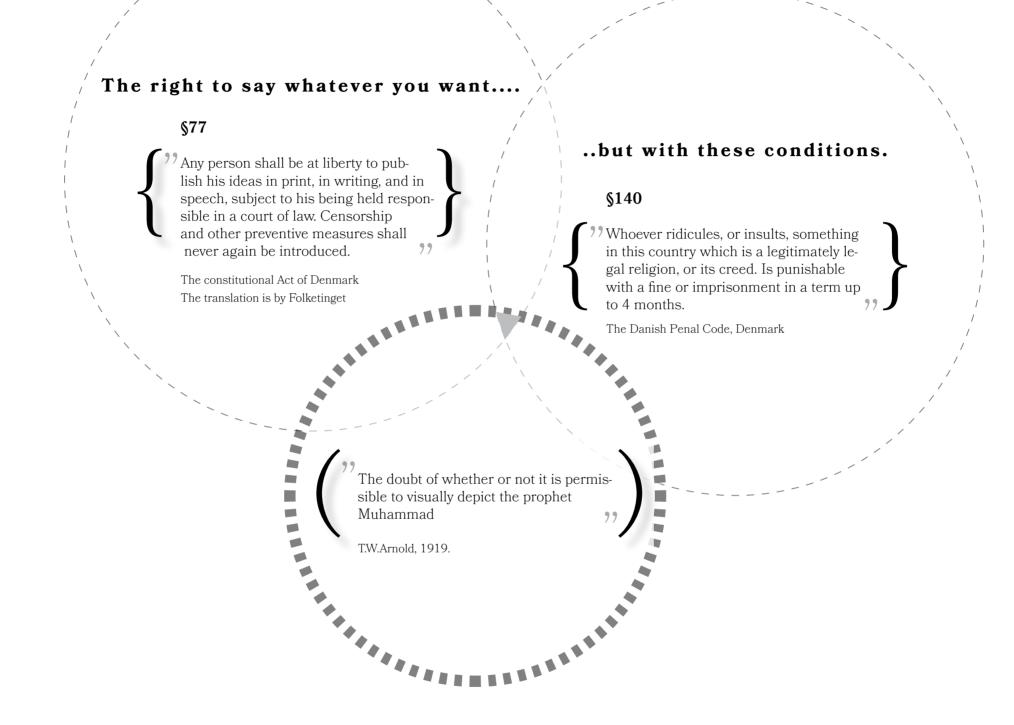
Oxford Advanced Learner's English Dictionary 2015

#### FREEDOM OF SPEECH

Jyllands-Posten back in 2005.

Within the last decade, the expression Eastern figure, with the sigil of The Proph-figure of Islam) and terrorism. Freedom of Speech has gained an in- et Muhammad on a turban, which is also a What is most interesting with this happen. An appropriate approach to try to undercrease in popularity in the public con- bomb. Thereby in a symbolic gesture, literal- ing, is how the 'artwork' can be put in juxta- stand this Conundrum, is to create a **defini**sciousness. A series of caricature drawing ly drawing a connection between the bomb, position with our current definitions of *Free*- tion dissection. of Muhammed, in the Danish newspaper which is a symbol for terrorism/destruction, dom of Speech and our legal definition of In a Danish context (The constitutional and The Prophet Muhammed. Thereby im- blasphemy. Because it exemplifies perfectly, Act of Denmark), and an American context The most infamous cartoon is the one by plying there is a connection between Islam how the dilemma occurs both in public opin- (The first Amendment). There exists a fun-Kurt Westergaard, depicting a male Middle (The Prophet Muhammed being the central ion, but also from a legal point of view.

damental right, legally, to be able to express



oneself freely. But with the condition that tively contradictionary to eachother, creates of pure objectivity, and regard the Muham- phemy paragraph §140 protects any reli-

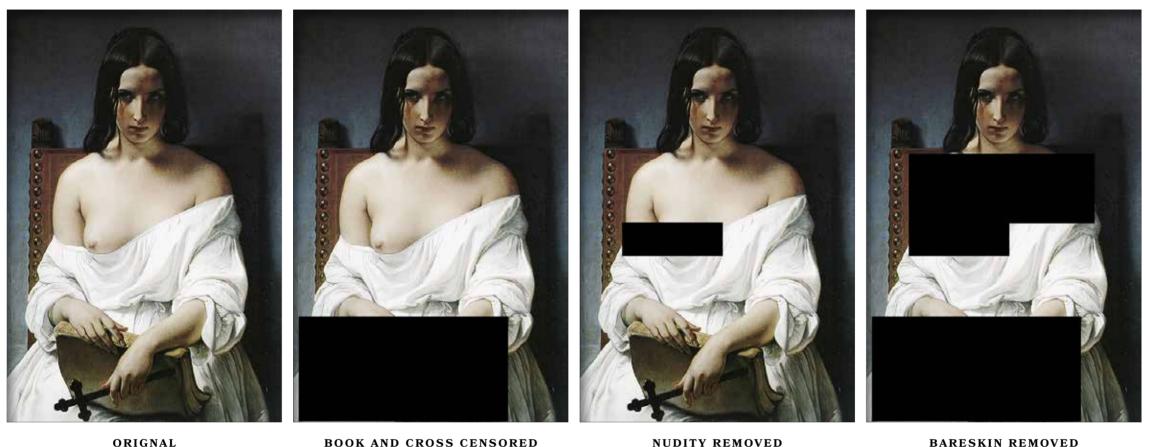
This predicament, together with a very loose is 'permissiable' or not.

has the perfect conditions to exist.

we are not to ridicule or insult 'somebody'. this grey-area where uncertainty and doubt mad-cartoons as a work of art, one cannot gion. And §77 protects 'Any person'. But it deny its ability to question how we as a so- is still relative whether or not, any particular ciety can live, together when we have con- religion allows depictions of their 'main proand relative definition of whether or not cre- As Klaus and Mikael Rothstein writes, "The tradictory elementals in both your global ating depictions of the prophet Muhammad muhammed-cartoons started as a crisis, but governing system of law, together with our ended as a case of principle". (Rothstein, personal world views and beliefs. What adds This threesome of directions that are rela- 2015). If one would obtain a perspective more confusion into the mix, is that the blas-

tanogists' in their religion.

LA MEDITAZI / THE MEDITATION 1851 Hayez, Francesco Partially modified by author



ORIGNAL

#### **BOOK AND CROSS CENSORED**

suggested religous book and symbol removed, thereby is the connection between obscene behavior and religion removed.

despite the partial censorship, the nudity is still on a 'suggestive' state.



no presence of obscene behavior nor religious symbolism to protect the religion.

#### **CENCORSHIP**

vanced Learner's English Dictionary as *"The suppression or prohibition of any parts"* Jonathan Green and Nicholas Karolides ar- Kolides, 2005) gue that that the origin of all types of cen-

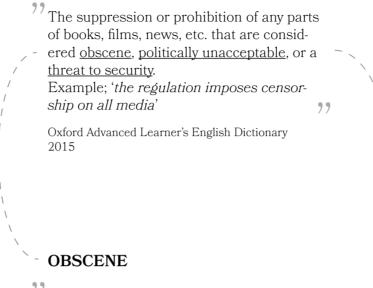
is one single entity - fear. (Green & Karo- hurt you'. And that the idea in censorship Francesco Hayz's 'The Meditation' from Censorship is defined by the Oxford Ad- lides, 2005). The first usage of the concept that you find the part that you don't like, you 1851. The elements in the art work are of censorship was motivated by purely politi- censor that, and leave the rest – and now ev- clear; nudity, woman, the holy book, A Chriscal reason. The Roman Catholic Church is erything will be okay. For example: "I hate tian Cross. You can derive through observaof books, films, news, etc. that are consid- regarded as the first cultural censor, in order Danish People". This is offensive. I censor tion that the offensiveness of this image ocered obscene, politically unacceptable, or a to maintain their position in terms of power, the bad part. "I threat to security." (Oxford, 2015). Authors in Europe until the Reformation. (Green & what? What is the meaning now? And who Religion and Female Nudity. The dilemma

determines which parts are to be censored, now occurs, which of the parts does one and still remain the integrity of the meaning censor? The interesting dynamic of Censorship is of the sentence.

sorship (governmental, cultural, and private) the premise that 'what you don't know, can't Consider the nearby illustration. We have Danish People". Or curs, in the connectivity between Christian

The obstacle in this situation, is that the

#### **CENSORSHIP**



<sup>**?**</sup> (Of the portrayal or description of sexual matters) offensive or disgusting by accepted standards of morality and decency 99

Oxford Advanced Learner's English Dictionary 2015

#### POLITICAL INCORRECTNESS

<sup>77</sup> The avoidance of forms of expression or action that are perceived to exclude, marginalize, or insult groups of people who are socially disadvantaged or discriminated against. 99 Example; not applicable.

church is a representative of morality, and in change is not really significant. that relation - nudity in this context is seen A closer observation into the more mod- ought to be censored. In correlation with Therefore the censorship of her nipples, as sinful. There is no question, that the integ- ern definitions of censorship. The diagram the definition of Political Correctness. One ought to be censored/removed – because it's rity of the art work has been compromised, above. and the question remains, is the censorship

working effectively? - Or is total censorship. We see how censorship is implemented as against the woman, as it conflicts with her the only option? - The problem with the par- a measure to block obscene and politically freedom to dress as she wants. tial censorship, is that it is still suggestive. unacceptable material. And that obscene is The black censorship block changes the in- connected to the term 'accepted standards And the fact that the female nipple is cen- speech and censorship, but also how they

woman, is a marginalization/discrimination exclusively.

terpretation from "there is a boob" to "May- of morality and decency'. This is a kind of sored in a much greater extent than the interact as social and linguistic devices. be there is a boob, but you cannot see it" this thought experiment. If one concludes that male nipple, can through some very strict

the woman's breasts in "The Meditation" rationalization been seen a discriminating. might hypothesize that the censorship of the politically incorrect to censor female nipples

> This is merely an example, to show the conundrum of the definitions of freedom of

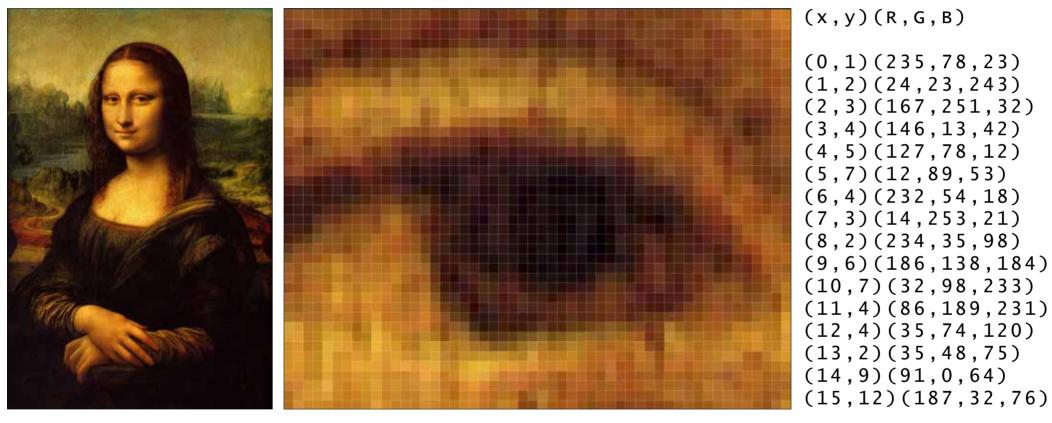
There is no definition of Politically Unacceptable in the Oxford Advanced Learner's English Dictionary. But there is a definition for Political Correctness. By inverting the definition of Political Correctness, (perhaps) there is a good foundation for Political Incorrectness.

#### POLITICAL CORRECTNESS

The avoidance of forms of expression or action that are perceived to exclude. marginalize, or insult groups of people who are socially disadvantaged or discriminated against.

Example; 'women like him for his civil rights stand and political correctness'

Oxford Advanced Learner's English Dictionary 2015



When a piece of art..

.. in its definition, can be described as ..

..a series of X , Y and RGB values

How can censorship be an instrument of objectivity?

Is it not purely through a reasoning of subjectivity that it can be implemented? Perhaps this is the reason as to why censorship and freedom of speech is so hard to govern through law.



LA MAJA VESTIDE - THE CLOTHED MAJA 1798-1800 Goya, Francisco LA MAJA DESNUDA - THE NUDE MAJA 1798-1800 Goya, Francisco

Or should it be an obligation for the artist, to create parallel versions of his work. One for the public, and one for the gallery?



#### **CENSORSHIP & ART**

Freedom of Speech is not only the antithesis of Censorship, but also a means to combat each other. There a numerous example out in the world where the confrontation beis met. Wikileaks exposing government cen-

ish and leftist material by the Nazi Party Moriah, 2009) during the world wars (Green & Karolides, But the relationship between Ai Wei Wei tablishments (Weiwei, 2011). Art has the 2005). Breastfeeding in public (Politiken, and the Chinese Government shows how 2012). Etcetera.

But one of the more prominent rivalries are own right to express himself freely. Through tween Freedom of Speech and Censorship between Chinese artist Ai Wei Wei, and the a medium of art, to create awareness and anything. So freedom of speech is not min-Chinese Government (The People's Repub- generate opinions about his subject. sored classified material (Politiken, 2015). lic of China). The Chinese government has Although it is a quiet obscene gesture Ai condition, but also has a degree of positivi-Dan Park's controversial race-focused art a notorious reputation on its ability to con- Wei Wei is posing in the image. What Ai Wei ty in that it seeks to improve and evolve the (Politiken, 2015). The book burning of Jew- trol freedom of speech and press. (Chu. Lau. Wei does is prompt the viewer to evaluate topic at hand.

an artist, can criticize his government's ability to allow freedom of speech, through his through that generate criticism and discus-

their unquestioned deference to forms of escapability to steer public opinion and consciousness onto a particular subject, and sion, which are essential for improvement of imized to the state of criticizing the current

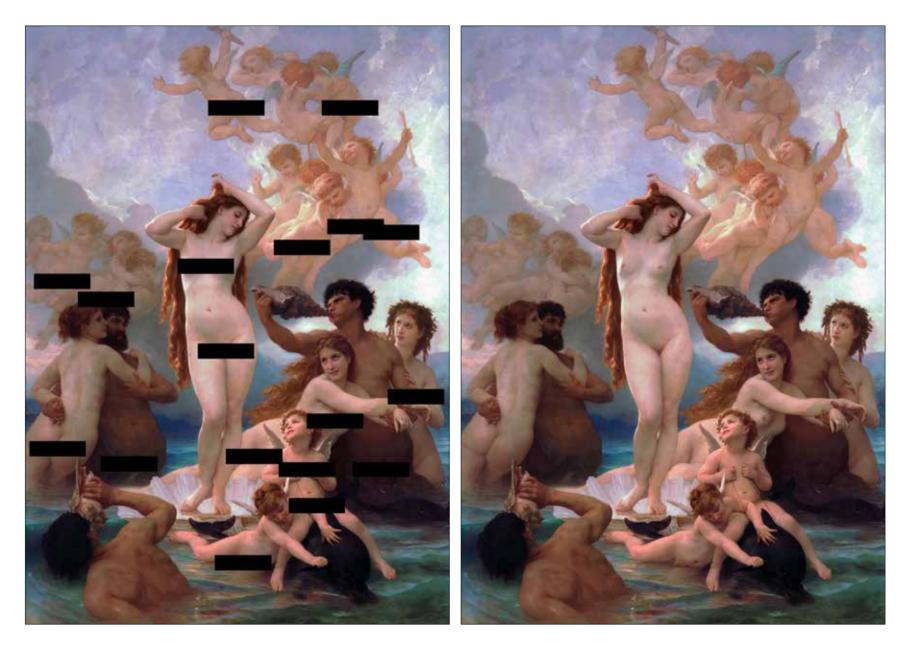
POPULAR INTERNET IMAGE: USER EXPERIENCE VS DESIGN Location Unknown Left side photographer: Unknown

w



A popular internet image among the design community, that shows the discrepancy between what the designers design, and how users use the design. To show that there is a clear misunderstanding, in bad design, of how users will use it... ..But this can also be told in this context. There might develop a gap, between how the government think they can regulate their citizens expressions, and how and what the citizens actually express.

27



THE BIRTH OF VENUS 1879 Bouguereau, William-Adolphe Partially modified by author

An example of how censorship might be applied, in a modern manner, to an older painting. THE BIRTH OF VENUS 1879 Bouguereau, William-Adolphe

#### Presidential Candidate Barack Obama greets Hillary Clinton Compassion Forum. Messiah College Grantham. PA.

Left side photographer: Unknown



PRESIDENT BARACK OBAMA GREETING HILLARY CLINTON

PRESIDENT BARACK OBAMA DOING SOMETHING TO HILLARY CLINTON

#### CONSEQUENCE OF CENSORSHIP

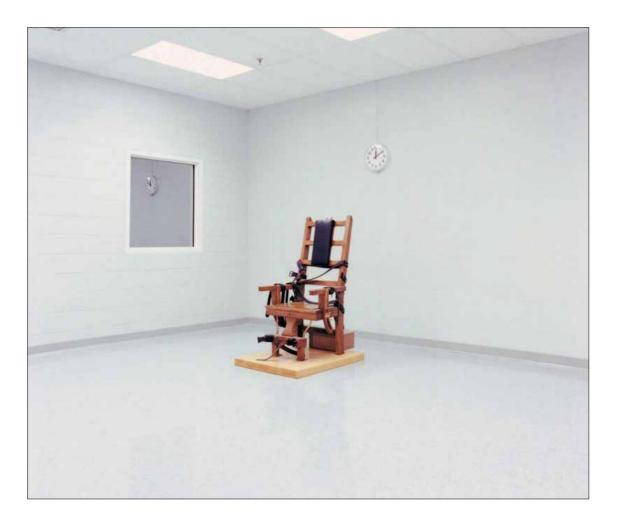
shows how the integrity and composition of the artwork clearly is "disturbed", by implementing censorship on critical areas displaying the nude body. It's very simple. You apply censorship, you lose richness of the artwork. You don't and it doesn't.

where the narrative of the image gets dis- clarify, what is being expressed. Another ex- ception. "People withstood a moderately to how society is dealing with it. torted into another narrative. What is shown ample of the benefit of not applying censor-strongly painful stimulus for significantly

is that when the censorship block is imple- ship can be told via Maggie Zellner's study longer if they repeated a swear word rather can't hurt you' is not always true in all cases. curse words.

mented visually onto the image, it opens op into swearing. In our daily lives, we apply a than a nonswear word" (Zellner, 2009).

The example with 'The Birth of Venus' for interpretation. If we do not know what degree of censorship on ourselves, for ex- This is basically also the premise of psychohappens behind the box of blur, then any- ample if you are with your boss, you do not therapy – you engage in dialog about your thing can happen behind the box of blur – share intimate sexual experiences. If you 'crisis', and as you talk about it, you learn to perhaps the saying 'what you don't know, are among children, you refrain from using cope with it (Grohol, 2015). Metaphorically: expressing yourself has a healing effect What is shown here, is that there is a pos- A study (Zellner, 2009) has shown that ex- perhaps it can be hypothesized that creatitive element in not applying censorship. pressing swear words, like fuck or shit, ac- ing a dialog about Censorship and Freedom But in the above example, there is a situation That honesty in the image has the ability to tually increases pain tolerance and pain per- of Expression, can have a healing effect on THE ARCHITECTURE OF CAPITAL PUNISHMENT Electric Chair, Greensville Correctional Facility, Jarratt, Virginia Photograph by Lucinda Devlin



Exert from **Sigmund Freud's** 'Mass Psychology, And Other Writings' Reprint 2004.

What constitues the special value of religious ideas? We have spoken of hostility to culture, engendered by the pressure that a culture exerts, the libidinal renunciations that it demands. Imagining its bans lifted, a man is free to choose any woman he wishes as sexual object; hey may without compunction strike his rivals for the wman dead or kill anyone else who stands in his way, and he may help himself to any of his neighbour's goods without asking permission. How splendid, what a string of satisfactions life would then have to offer! Before long, of course, the next problem emerges. Everyone else has precisely the same desires as myself and will give me no more quarter than I give him. Basically, this means that only a single individual can derive unrestricted happiness from such a removal of cultural restrictions, a tyrant, a dictator who has grabbed all the instruments of power for himself, and even he has every reason to hope that others will respect at least one cultural ban: the one saying 'you shall not kill'.

(Freud, 2004) Please note. This is intentionally a direct copy. Not to be confused as plagerism

## CONCLUSION

### CENSORSHIP AND FREEDOM OF SPEECH

The brief insight into Censorship and Free- tity, a grey cloud that constantly develops been used as an instrument, in order for the never the same as any situtation B. "supreme power", or "ethical power" to maintain their position as powerful. The **paradox** But that does not mean that we should also cally and from a legal point of view.

There is one thing that is quite evident, which is that in every culture, at any point of **We cannot have total censorship, and** time, there is a group of taboos. A quick ex- we cannot have total freedom of speech. ample could be that in Europe, it is okay to **They have to co-exist, with the same am**make fun of The Prophet Muhammad, but bition - to protect us from extremities, is it okay to make fun of The Holocaust? but still allow us to progress. - The general tendency would be No.. The general understanding, as a society, of what we regard as "okay to talk about", is an en-

dom of Speech, shows how censorship has through time. And any situation A is almost

of censorship is also shown, in how censor- be able to make fun of **The Holocaust** – No. ship can be used as a tool of oppression Even though you can see in the History of - like how the Nazi Movement burned Jew- **Censorship** that prohibiting certain things, ish book material, in order to marginalize actually in a sense slowed our progress. I the influence of Jewish literature. But also would still argue, that we ought to maintain how Censorship is also applied in your pe- our ability to censor things. Another hypothnal code, as a **tool to protect** us from ver- esis could also be that perhaps sometimes bal abuse (racism, blasphemy, bigotry), in a it a sign of progress as a society that we are sense to maintain a sober communication. able to say, for example, **child pornography**, This paradoxical ambiguity between **Cen**- which is an extremity, is not allowed in an sorship and Freedom of Speech, is funda- ethical society. Or sources of information on, mentally, what makes it hard to grasp, ethi- for example, how to make a Molotov Cocktail Bomb, is probably a good thing to keep a secret, in order to sustain a safe society.



2

## ANALYSIS II - MUSEUM

The beginning will introduce the term Tectonics, following a brief description of it, and then reflected upon.

The architectural typology of the project is The Museum, there for the second part of the analysis phase explores what the origin of the Museum is, and what the future might hold for the museum. Furthermore, there will be an exploration of what kind of space the Museum is, not in the physical sense, but in terms of the mental process of the visitor.

Lastly an exploration of four architectural works, in the form of case studies, namely of: Anne Holtrop's The Trail House, Peter Zumthor's 2011 Serpentine Pavilion, Rye Nishizawa and Rei Naito's Teshima Art Museum, and Mies Van der Rohe's Barcelona Pavilion.

## **TECTONICS**

definition, critique, atmospheres

#### TECTONICS

been critiqued and developed by numerous <sup>2</sup> Heart, <sup>3</sup> Framework/Roof, <sup>4</sup> Enclosing arate elements of architecture as a whole. theoreticians and philosophers. The point Membrane. Where Earthwork can be in- Whether you address the columns, or the of departure is from Karl Bötticher's 'Die terpreted as topography, Heart as the mo- earthwork, or the entablature, or the Heart Tektonik der Hellenen' from 1843 where rality of the built, and Framework together etc. It is the the act of addressing more and Bötticher divides the term into **Kernform** with Enclosing Membrane as **The Tectonic**. more elements, into the architectural whole. [eng: Core-form] which can be interpreted as Function. And Kunstform [eng: Artform] which can be interpreted as 'Symbolism' (Bötticher, 1852). Here one can sense a small echo from Vitruvius's Trinity on Architectural Aesthetic.

Before this, Marc-Antoine Laugier, considered as one of the first modern architectural philosophers, in his literary work 'Essai sur l'architecture' [Essay on Architecture] shared his idea The Primitive Hut on an elemental architecture, based on nature, focusing on three key elements: <sup>1</sup> De la Colonne [The Column], <sup>2</sup> De l'Entablement [The Entablature] and <sup>3</sup> Du Fronton [The Pediment]. (Laugier, 1753). With very specific instruction on how these different elements ought to be defined, in order to attain the most beautiful setup. For example: "The Column must be round, because Nature does nothing square" (Laugier, p.16, 1753).

(Semper, 1851)

#### CRITIOUE

The architectural theories of Bötticher, ATMOSPHERE Laugier, Semper, and later Heidegger, **Frascari**, Sekler, and of course Framp- Peter Zumthor, in Atmospheres, sets up a ton. Are in their sum a tremendous basis framework of an architecture that is also fofor an architectural aesthetic. However in cusing heavily, on the emotions evoked by a contemporary context. I would claim that the architecture, and inclusion of sensory these are rough simplifications of a much experiences. more complex situation. I also think that the notion of an 'Ultimate Recipe' for architec- Zumthor addresses twelve subject (two apture, is a utopian dream, that denies how pendixes), that compose an atmosphere: relative and flexible architecture. On the Body of Architecture, Material Compatiopposite page, there is an image from the bility, Sound of a Space, Temperature of Venice Architecture Biennale. Which shows a Space, Surrounding Objects, Compohow the 'elements of modernity' (air-condition- sure and Seduction, Levels of Intimacy, ing, lightning etc.) have invaded the space. The **The Light of Things**, Architecture as surkey here is of is the process of integrating. roundings. Coherence, and The Beautiwhich the **Methodology** section also briefly **ful Form**. (Zumthor, 2006). It is the atmo-

ture, has undergone a substantial transfor- mentals of Architecture, reinterpreted it as correlation I find in the theories of tectonic a high priority for Zumthor, the Magic of the mation. Its definition has since its origin, consisting of four focus points: <sup>1</sup> Earthwork, architecture, is the notion of treating the sep- Real.

> And architecture is also not merely a one-way-communication, there is a recipient present.

The term tectonic in relation with architec- Later, Gottfried Semper, in The Four Ele- talks about, but in relation to Tectonics. The sphere, that the architecture emits, that has

**Complexity**, is a word that again reoccurs in my response to these theories. Likewise with the terms Censorship and Freedom of Speech, there is a 'relativity-ness' to them that both legitimizes and condemns them. I could not hypothesize that architecture is only about Atmosphere, or only about Structure. One could claim that it is about every single aspect of architecture, from the physicality, to the emotional, from personal to sociological. From birth to death. But this complexity is almost infite. I think the dilemma occurs in the fact that architecture is, what Zumthor calls "an applied art" (Zumthor, 2006).

And that good art, seldom can conform to a recipe, or tradition, in order to be of high quality, but is usually the breaking of the norm, that progresses art.

It is a mixture of the **quantifiable** (structure, construction), and the qualitative (atmosphere, emotion). But they are not a duality, they exist in unity. Which in my mind ultimatively is what gives birth to the complexity.

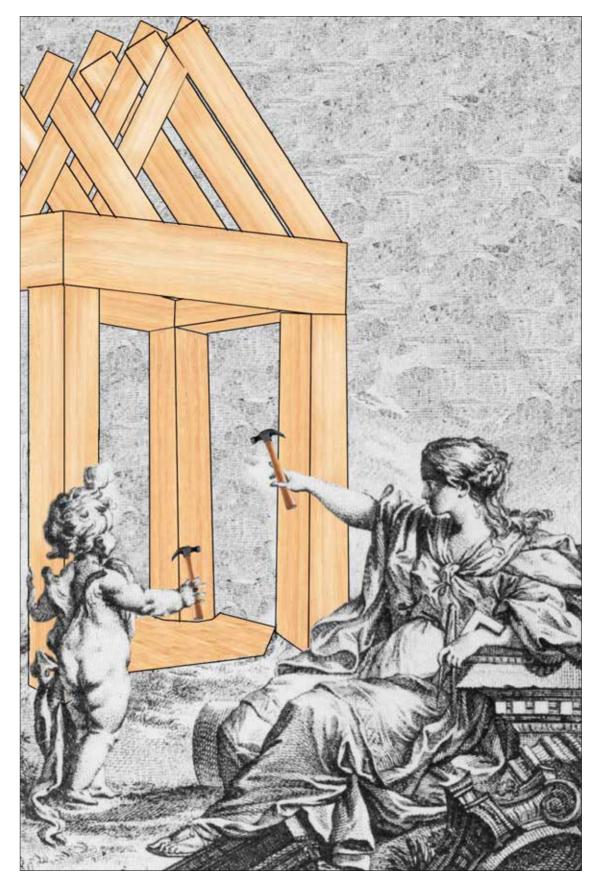
#### tectonic

Greek tektonikós pertaining to construction, equivalent to tekton- (stem of tékton) carpenter Collins English Dictionary

atmosphere

a surrounding or pervading mood, environment, or influence

Collins English Dictionary



DISCREPANCY BETWEEN THEORETICAL IDEA AND REALITY

#### HOLDING CELL YUKONOK, OKLAHOMA POLICE DEPT, HOLDING CELL Unknown Photographer

## MUSEUM

history, future, object & space

#### PAST AND FUTURE

The use and influence of Museums has use its surrounding culture, as a tool to im- crease, which means that the museum has MUSEUM SPACE the Neo-Babylonian Empire, from circa 530 antiquity, thought by her father, that eventually become a gallery like setup, with 'museum-labels', describing the work at hand in In a report named 'Museums & Society um would have to appeal to an again 'wid- versation with somebody, or when you are different language. (Wilson, 2009)

Since, the museum as a function has grown widely popular, globally. The case of Ennigaldi-Nanna's museum, shows the very traditional role of it. The role of where the collectables are collected, preserved, researched, and displayed for public viewing. But the very early museums were elitist, A summary of some selected topics con- the cost of preservation? And in which ways where only the educated were allowed, and the general public exluded (Arinze, 1999).

A point of irony occurs, where now in a more contemporary context, museums are very much involved in Education. Before only for the educated, now in order to educate. Critical for development for both a It is self-evident that the population is grow- development and influence of technology society, but also on an individual level, is of course education. One of the fundamental objectives for a museum, is to educate its ferent age groups change. AAM projects in order to remain time consistent and relevisitors. Museums also have the ability to that the 'senior' and 'elderly' group will in- vant. (AAM, 2008)

changed drastically since its conception. prove self-consciousness, self-esteem and to increase its appeal to a wider (older and One of the earliest examples of museums, sense of citizenship of its visitors (Milano, younger) audience. was that of Ennigaldi-Nanna, a young prin- 2013). But also to engage the visitor, into cess and daughter of King Nabonidus, of a spatial experience that will teach them The notions of multi-ethnicity and multicul- erotopian space. Heterotopia is a term Fouabout a certain topic, and induce a mentality turalism will grow, as immigration and the cault uses to describe spaces that have em-B.C.E. The motivation was an adoration for of criticism, and reflectivity upon what they population grows. The content of museums, bedded layers of meaning. Where the sense are experiencing.

> 2034: Trends and potential futures.' The er' audience, in terms of their cultural back- looking at yourself in the mirror. Or when American Association of Museums (AAM) ground. This also poses the question of, how you are thinking about a dream. There is a in conjunction with **Center for the Future** can a museum become a place for intercul- discrepancy between mental and physical of Museums, conduct an evaluative study of tural dialogue? occurring future trends, and how that *may* affect museums in the future. (AAM, 2008)

cerning the future of museums are:

- Population Growth
- Multi-ethnicity
- The Energy Revolution
- The Growth of Technology

ing. One of the consequences of this for and media, will create new experiences that museums is that the projected size of dif- the museum will have to adapt and utilize

are usually a product of the cultures of their of actual geographical location is lost. Examcommunities. This means that the muse- ples could be when you are in a phone-con-

consumption, will focus attention on what ety with a wealth of heterotopian space. are the museums operating costs, what is as a means to have an escape from represare museums consuming energy on a global scale, throughout its entire lifecycle.

The influence of technology will have a massive influence museums ability to utilize technology, but also combat for example ideas like Digital Museums. The continued

In 1984, Michel Foucault, in his essay 'Of Other Spaces', denotes a museum as a Hetsense of place (Foucault, 1984).

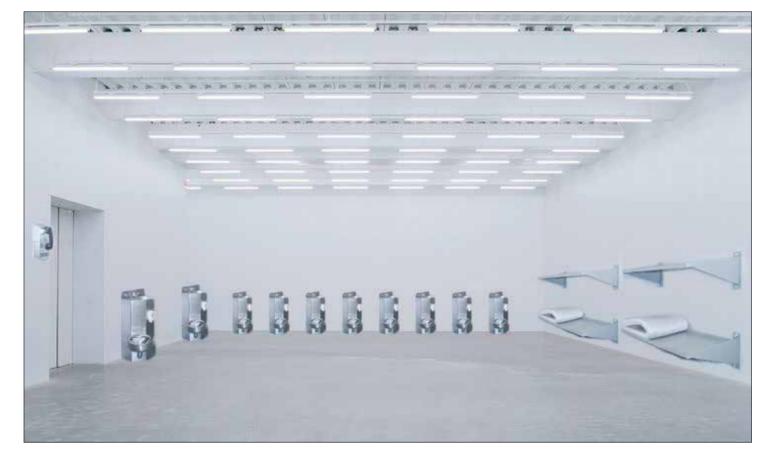
The imminent change of the global energy Foucault expresses his wishes for a soci-



YUKONOK, OKLAHOMA, POLICE DEPT. HOLDING CELL

#### museum

The word museum has classical origins. In its Greek form, mouseion, it meant "seat of the Muses" and designated a philosophical institution or a **place of contemplation**. Use of the Latin derivation, museum, appears to have been restricted in Roman times mainly to places of philosophical discussion. (Lewis, 2016)



sion and authoritarianism (a slighy refer- one particular object in focus, and then creence to Stalinism). And states that **a society** ate this experience for visitors. Museums without heterotopian spaces, is a repres- create an environment, where anything can sive society (Foucault, 1984). Foucault de- be subjected to public opinion/criticism/ scribes museums as a 'Heterotopia of time', scrutiny. Another important element of mubecause of the manner in which museums seum- exhibition- and displaydesign is also take certain objects and isolate them in a the relationship between the architecture style- and timeless space.

#### **OBJECT AND SPACE**

ism, and how museums can be used to put ture that encompasses it?

and the object. If one where to imagine a typical museum space: white, light, and a piece of art (sculpture) on a display mount. What are the relationship, between the expressive This is a quiet interesting notion, that the values of the art (sculpture), and the aesthetmuseum space has this element of escap- ical and atmospheric setup of the architec-

#### THE GENERIC WHITE GALLERY

#### Exert from Brian O'Doherty's Inside the White Cube, The Ideology of Gallery Space, 1986

A gallery is constructed along laws as rigorous as those for building a medieval church. The outside world must not come in, so windows are usually sealed off. Walls are painted white. The ceiling becomes the source of light. The wooden floor is polished so that you click along clinically, or carpeted so that you pad soundlessly, resting the feet while the eyes have at the wall. The art is free, as the saying used to go, 'to take on its own life.' The discreet desk may be the only piece of furniture. In this context a standing ashtray becomes almost a sacred object, just as the firehose in a modern museum looks not like a firehose but an esthetic conundrum. Modernism's transposition of perception from life to formal values is complete. This, of course, is one of modernism's fatal diseases. 99

#### (O'Doherty, 1986) Please note. This is intentionally a direct copy. Not to be confused as plagerism

## MUSEUM

behaviour, perception, energy

#### HOW MUSEUMS ARE EXPLORED

Museum: An Empirical Study' by Alessandro Bollo and Luca Dal Pozzolo, they investigate how visitors spend time in museums. Fundamentally it is a study exploring how much time and attention that visitors give. One of the first terms they introduce is the notion of Hot and Cold Zones, respectively areas where visitors spend a lot of time versus little to no time. (Bollo & Pozzolo, 2005)

In general it can be hard to point out exactly the reason, as to why visitors spend more time at a certain place. But general reasons for cold areas include: limited visibility/accessibility of the objects, crowding together of the showcases, long or demanding read- And in order to create a fluid motion, these ing material. And on the contrary emergence in the environment, a particular lightning, or the focus on some emotionally involving obiects.

An observation they made, was that in prominent architectural positions, like crossroads, junctions, intersections etc. Visitors expect to find artwork or information that are consistent with the peculiarity (Bollo & Pozzolo, 2005). – In another sense, when the tention. The visitors also expect, that when (Bollo & Pozzolo, 2005)

In *Analysis of Visitor Behaviour inside the* a seating arrangement is placed in a space, the direction the seating is facing, is something of importance. Therefor the ability to direct attention, is an important resource in order to improve communication and experience.

> Looking at the flow of moment for the museum visitors, there is in the study expressed a particular importance to create a clear flow in the museum. When visitors move in museums, they have to maintain two orders of perception.<sup>1</sup> The Narrative of the Exhibition, and <sup>2</sup> The Path through the Exhibition, that will control the order in which you experience particular things in the exhibition.

ought to be easily understand- and perceivable. (Bollo & Pozzolo, 2005)

Likewise with the architecture, the actu- 1930s show that museum visitor interest al showcase or "box" in which an art object towards exhibits decrease as the visit promight be in, also creates a somewhat pre- gresses. (Davey, 2005) And furthermore a dictable pattern. Showcases that might con-variety of observations have been made on tain 'many' art works, are sometimes prone the topic. That as a particular space increasto be ignored, due to the fact that they are es the number of paintings presented, so did being perceived 'all in one'. And showcas- the visitor's interest decrease. The generales that only show for example one particu- ized attention span of the visitor, is usually architecture puts attention in a space, we lar item, tend to generate a lot of attention around **30 minutes** where the attention will expect something there to attract our at- among viewers, as if it was very important. peak, and beyond that the attention will de-

And finally, in a comparison setup between a tendency to progress from an initial slow the actual time visitors used in a museum, set against their perceived time spent in the museum, show that 53% of the people did ly (Bollo & Pozzolo, 2005). Of course total precision is not expected, but in some cases there was a considerable difference between the two measures of time. Bollo & Pozzolo argue that this might be due to the fact that it is a 'tiring' process - because the experience is both physically active, whilst there is a sensorial hyper stimulation (all dependent on the art of course).

#### **MUSEUMS FATIGUE**

Gareth Davey has authored an article on the phenomenon of Museums Fatigue. With research dating from as early the 1920s and crease. The movement of the visitor also has

movement, to a 'cruising around' being selective about what they look at, and skipping items of no interest (Davey, 2005). This signot assess the duration of their visit correct- nifies the importance of proper exhibition and display design. And that there is a connection, between the perceptions of the art work, and how it is presented, and not only what it is. The appropriate metaphor for this is that we do judge books, by it covers.

> Davey generalizes his extensive referencing to other studies on Museums Fatigue, and summarizes them into four main observations:

- · Visitor interest decreases as visit progresses. Peak point is first 30 minutes.
- Visitor interest decreases within smaller areas.
- As visit progresses, visitor does relatively rapid rates of viewings, without rest, and increased selectivity towards end of exhibition.
- These patterns, are generally constant and predictable among many museums. (Davey, 2005).

#### fatigue

Weariness or exhaustion from labor, exertion, or stress Merriam Webster Dictionary, 2016

'VOLGA BOATMEN' VS MUSEUM VISITORS PAINTING DATE: 1870-1873 Original Painting by Ilia Efimovich Repin (1844-1930) - Mashup by Mike Dugenio Hansen



'FATIGUE' AS AN EMOTION - PORTRAYED BOTH IN THE ARTS AND MUSEUM VISITORS

initiatives, that will attract and prolong visi- mation is presented. tor attention:

• Increase exhibit distinctiveness. (size, visitor attention, maintain inertia, main- agery, handouts, etc. tain right turn bias.

studies that he include in his article series of stand exhibits by considering how infor- breaks.

contrasting background, line of sights, by asking questions, correcting miscon- the visitor. placements, coordinated flow, hotspots of ceptions, interesting content, mental im-• Minimize distractions such as sounds from 'competing' exhibitions.

Likewise Davey also provides, based on the • Reduce mental effort required to under- • Provide opportunities for visitors to take

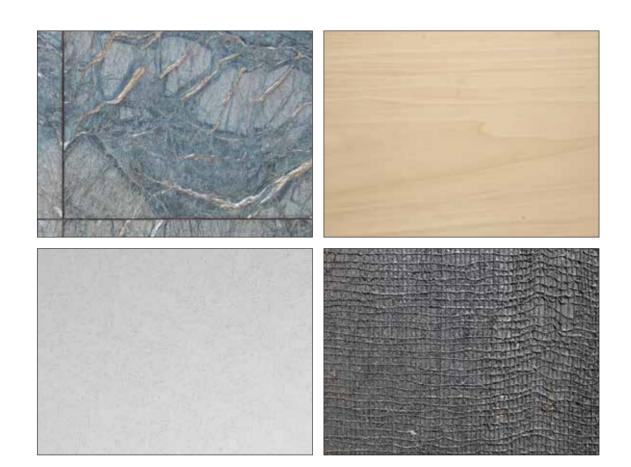
#### (Davey, 2005)

In a sense, exhibition and display design is • Motivate visitors to engage with exhibits the careful consideration of the attention of

#### THE PRIMARY MATERIALS USED IN THE FOUR SELECTED CASESTUDIES

MARBLE (TOP LEFT), POPLAR (TOP RIGHT),

WHITE POLISHED CONCRETE (BOTTOM LEFT), ASPHALT + NET (BOTTOM RIGHT)



2

### ANALYSIS II - CASESTUDIES

In order to understand the type of environment the Museum creates, four case studies of different types of architecture are carried out.

The case studies are not of Museums, but of what can only really be classified as *Pavilions*. The reasoning for this, is to find a platform of architecture, where there is a high focus on the spatial experience of the space, without any real function besides that of occupation and exploration. *For me* this is relevant in the sense that *I* think that museums ought to have a rich spatial experience, even without any particular objects to occupy the space. Therefor it is relevant to observe spaces that do not revolve their main attention to a specific object in the space, but the space itself.

The overall hypothesis that all these case studies try to understand, is how the architectural body, light and object influence the space, and how it is related to a museum setting?

The anatomy of the case studies are a short introduction to the case at hand, followed by reflection, similar to Peter Zumthor's 12 subjects presented in Atmospheres (Zumthor, 2006). But in varying degrees, since the pavilions deals with these subjects in different ways and priorities. And the concluding with a reflection of the particular case's ability to imitate an **Art Space**.

Photographed by Bas Princen

# CASESTUDY

Architect: Anne Holtrop Year: 2009 Type: Pavilion Location: Almere (NL)

#### THE TRAIL HOUSE

Architect/Artist Anne Holtrop created this pavilion in connected with an exhibition called Unknown Territory. It is a temporary 1:1 model of a greater scheme. The pavilion's organic shape, which mimics the surrounding gravel paths around the nearby museum, work as the primary concept.

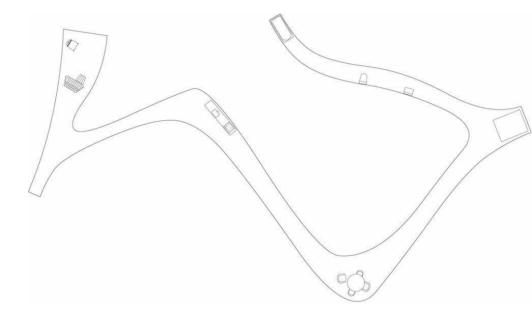
```
<sup>?</sup> I want to look freely - more or less
   without a plan - at material gestures
   and found forms and let them per-
                                          99
   form as architecture
   Anne Holtrop
   (Holtrop, 2009)
```

The pavilion investigates of model for residential architecture. Where the ordinary rules of connectivity, comfort, visibility etc. are in jeopardy.

#### **MOVEMENT**

There is an incredible sense of movement in this architecture, and this feature is transferred directly to the users of this space. What these long poplar cladded pathways are inducing, is an inviting gesture. The long pathways, which ends are not being revealed immediately, invites exploration. Another incitement to promote movement, is also the abstractness of it. In terms of 'readability', the shape (plan), requires the user to fully move around it and see it from as many angles as possible, to get an entire impression of the pavilion. Image 'The Trail'.

One could also ask, not only is movement



narrow hallways, and the 'blind angle's oc- warm, even in cloudy weather as on the im-

curring at every 'turn' in the shape, make age 'Passage of Light'.

#### the building promotes a very slow move- BODY

this not ideal for running, by that rationale,

ment.

VIEW

On the image 'Exterior Aesthetic', the body of architecture has a very anonymous char- ART SPACE acter, there is no direct indication of en- In reference to the pavilion as an art space, Momentary rectangular 'windows' open up trance. No real separation of 'window', there is a clear distinction between 'moveviews to the surroundings, frame images of 'door', 'roof', 'floor' etc. There is a kind of bias ment' and 'observe', and they are balanced the context. These simultaneously provide towards reading it all as one wall. The en- evenly along the entire path of the pavilthe light into the spaces, and allows a de- tire architecture, from that particular point ion. The Trail House has by relative simple gree of transparency, which also accentu- of view, seems objectified, as an isolated el- means, (simple construction), created a rich ates the entrance. The light is in its abun- ement. But the 'depth' of the body, has in a spatial experience, which offers a multitude dance, and captured by the surfaces of the very modest expression, some indication of of spatial dimensions, even though it derives poplar wood pavilion, creating a very soft the organic. In other words, you might look from a simple concept. gradient light, that moves along the surfac- at it as a square thing, but in the edge of the

promoted, but what kind of movement? The es, and the tone of the light becomes very body, you get reminded of its organic form.

The sporadic nature of the form of this architecture, allows it to be very diverse, when seen from different angles.



PASSAGE OF LIGHT

THE TRAIL

SERPENTINE GALLERY PAVILION 2011 London

Photographed by Walter Horfst (transition), John Offenbach (entrance), Peter Zumthor (garden, detail)

# CASESTUDY

Architect: Peter Zumthor Year: 2011 Location: London (UK) Type: Pavilion



For the Serpentine Pavilion in London for 2011, Peter Zumthor was invited by the curators of it, to create a pavilion. It is the first piece of architecture by Zumthor in the United Kingdom. The concept of the pavilion, is about creating focus point for nature. A central garden.

#### BODY

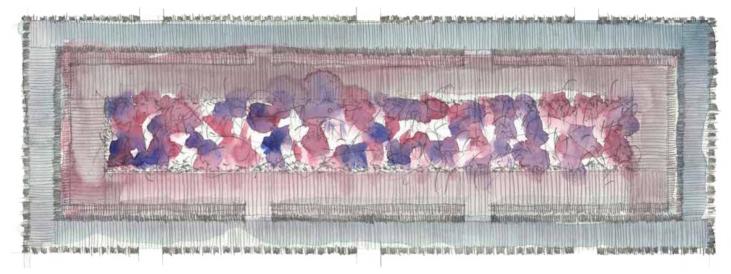
Approaching the pavilion from the outside, you are met with a black monotone box with a very uninviting and anonymous expression. The landscape and small holes in the façade, articulate the entrances. The position of the entrances also denies the possibility, to view directly into the center-space ways through a 'ziq-zaq'-movement that one pavilion frames the skylight. In a similar lan- from context, it could possibly be located to isolate the garden, it is hardly context-re- light. lated, but more center-related.

#### **OBJECT**

From the exterior, the pavilion as a whole really stands out as a foreign object. But as one enters the pavilion, the garden in the center really becomes the object in focus.

#### **MOVEMENT**

Entering the pavilion, there is first a narrow maze-like corridor, separating strongly the transition from outside to inside. It is al-



from the outside. The body is very simple, enters and leaves the pavilion. And once you with a slight decline of the roof plane in or- are inside the main space, you can never skylights. The form of the pavilion, helps dider to make the roof visible from the inside, be in the center of the space, there is only rect and centralize the light directly upon ART SPACE which is otherwise hidden from the outside. a movement around the space. The sudden the focuspoint - which is nature. The incline of the roof, also transports rain- change is light, also create a bodily reaction, water unto the center of the pavilion direct- where ones eyes in a quick burst, have to rely to the flowers. The body has a great ability spond to the sudden lack and abundace of There is strong notion of view in this pavil- of the light, and by the placement of nature –

#### LIGHT

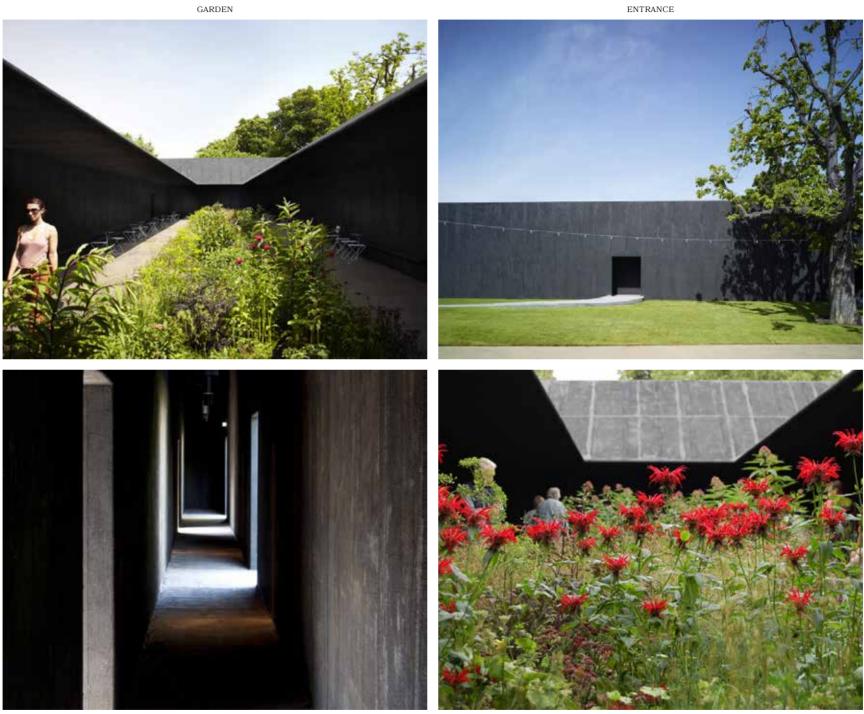
In a movement from outside the pavilion to inside the pavilion. There is a radical shift of 'embracing' a view. With the indication of viewing the nature. By excluding descripin the light that you experience. Upon entering, you enter a dark, artificially-lit corri- the users are never prompted to step onto other kinds of information - it becomes an dor that accentuates a claustrophobic expe- the nature, or to be in the center. The users easy experience, that does not require the rience, but also by being dark, highlights the are 'pushed' to the circumference of nature, user to engage in reading long texts, or any next set of entrance to the center-space. It is and kept at a distance in order to look at it. purely a transition space, with a drastic contrast in the light, to highlight the movement In a sense the architecture is a mechanism, nese zen gardens. It becomes a very confrom in to out. Entering the main space, the for observing nature, and by independence templative space.

guage as to how James Turrell highlights any other place.

#### VIEW

ion, since the core activity to do as a user, is in conjunction with being unable to perceive to look at nature. In a sense the architecture what is happening outside the pavilion. Crecreates the view of nature, but not in the tra- ates a very introvert setup. And by pushing ditional sense of 'framing' a view, but more visitors out, it encourages a calm experience of seating arrangements around the nature, tions of the flowers put in the center, and all

The pavilion has a great ability, to focus attention, to a particular thing (nature). By the geometry of the architecture, the articulation kind of critical intensive thinking. It also has a strong reference to the **Ryogen-in** Japa-



TRANSITION

DETAIL

Photographed by Iwan Baan

# CASESTUDY

Architect: Ryue Nishizawa+Rei Naito Year: 2010

Type: Museum

Location: Teshima (IP)

#### **TESHIMA ART MUSEUM**

The Teshima Art museum, by Ryue Nishizawa and Japanese artist Rei Naito, was realized in 2010 for the Setouchi International Art Festival. It serves as a gallery space/experience space.

#### BODY

Upon first gaze, there is immediately a fascination of the body of this architecture. It seems more precise to label the body as a surface, rather than a form. The typical notions of 'wall', 'door', 'roof', 'floor' all fluidly sewn together in one, that creates a very elemental architecture. And the typical dichotomy of Structure and Cladding, are merged together in a single entity. The surface is a 25cm thick concrete shell, with reinforced steel. (Archdaily, 2011)

This merge, creates an architectural body that seems very minimal or reductive. The shells thickness also has a strong influence in its expression of weight. It adds, despite its enormous scale, and very light sensation, together with the polished white concrete, gives it a cloud-like characteristic. The body seems as one total fluid motion. There is a lack of scale. Except for the scale in the texture of the concrete, there are no real relatable indications of scale.

#### LIGHT

Furthermore, the light concrete helps the diffuse light to fill up the 'cave'. The pavil-



'WINDOW', in the empty space without any out in contrast to the white world, and beobjects, it transform the light into a sculp- come sculptures themselves in the space. ture, likewise the before mentioned case study of Zumthors pavilion. It highlights at- MOVEMENT tention to the primary views to the outside, With its openness, there is a big freedom of that when you as a human, have entered the which is through the windows. Which besides the entrance-opening, is the only views low, or places that you cannot be in. It is to- or the art in the space, you are also looking to the outside.

#### SPACE

ion has two distinct spherical openings that And because of its very homogenous materi- can see everything – so you know what you can be regarded as windows. The spherical al selection, every object that enters, wheth- are moving towards. There is no mystery to shape frames the light, as seen on the image er it being art or humans, immediately stand be discovered.

movement. There are no forced paths to fol-space. You are not only looking at the light tally accessible. And through this freedom, at other humans looking at light. So a part there is only one path to follow – which is of the total experience of the space, is also to whatever path the visitor intuitively wants to observe how other humans interact. Which The scale and the light creates a very open explore. If you are a child, you are free to is ultimately the greatest asset of art - the space. There is visibility to every 'edge of choose whatever tempo you desire, you can way we react to it, emotionally and physicalthe room', creating a very democratic space, run, walk, climb or crawl. Or if you are an el- ly. where anyone can see anyone, no corners derly, you can walk as slow as you want, you to hide - which produces a very safe space. are not going to miss anything, because you

#### **ART SPACE**

A noticeable quality of this space, is the freedom. There is also an interesting dynamic,



FORM

INSPIRATION

# CASESTUDY

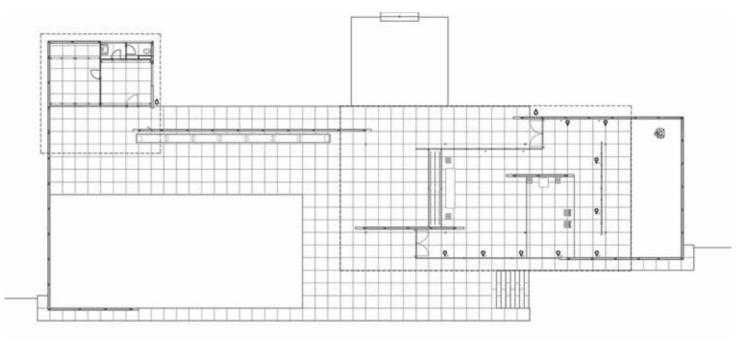
Architect: Mies van der Rohe Year: 1929 Location: Barcelona Type: Pavilion

### THE BARCELONA PAVILION

Mies van der Rohe's Barcelona Pavilion from 1929, has had a profound place in modern architectural history, as one of the landmarks of Modernism. The Barcelona Pavilion was intended as a symbol for a nation that now had the opportunity to reinvent itself (post World War One). (Unwin, 2015) Within one year, Mies Van der Rohe completed the project. But a few years after the completion, The National Socialist movement, led by Adolf Hitler, rejected Modernism, because 'only austere and monumental classicism was the expression of German identity'. In 1936 when the Nazis came to power, Mies van der Rohe moved to the United States.

#### **MOVEMENT**

Entering the pavilion is initiated by a se- VIEW ries of stairs. Which marks the arrival. The There is a strong presence of axiality in the Plainly speaking the objects present in the A good observation from The Barcelona Pamovement in the Barcelona Pavilion is hard Pavilion. Observing the plan of it (Plan Draw- pavilion are the statue and the furniture in vilion is the maze-like plan. The maze, by to generalize, which I believe is also one of ing by Mies van der Rohe), the right and left the pavilion. the primary ideas behind it. The Pavilion has side of the pavilion, are fairly closed. Both a very open composition of partition walls, pools being enclosed by travertine and mar- But if we are to bend the definition of 'ob- that forces you to move, in order to explore. and the transparent glass walls allows quick ble walls. But the top and bottom part, are ject' a little, there is also an articulation. This condition, creates a very rich experiorientation and overview of the pavilion. But wide open connecting to the city (bottom), of the surfaces in the pavilion, which then ence, where whenever the user turns a new despite the openness, movement through and the forest area (top). This is a testament, also become objects in the space. The mar- corner, a new experience of the space will the pavilion is a constant switch between to the careful arrangement of the user's at- ble walls, the pools and the columns, all be- emerge - and consequently. A new detail narrow and open spaces. The two pools sig- tention, by Mies van der Rohe. The statue in comes objects. nify areas much more open – and with des- the top of the pool located in the right side ignated seating arrangements, the pools in- of the plan drawing, is not intended to com- It is through the refinement of detail - the tion. This is in my opinion, a good mechavite for a relaxed moment of observation. pete for attention with anything else. There- pebbles and travertine edge to the pool, the nism to retain the attention of the user. By But in between the pools, are big marble for the user finds her in a more isolated ar- 'mirrored' veins in the marble, the helix col- repeatedly presenting the user to new views, walls, which squeezes the users closer to- rangement. The views both manipulate the umn. All become objects that require a lit- new explorations, new details – by their gether, in a gesture to get the users closer attention of the users, while integrating the tle more attention than what is usually re- movement. to the material, to appreciate its complexity. pavilion into the context.



#### **OBIECTS**

quired.

#### **ART SPACE**

definition, tries to distort your sense of orientation as much as possible, and through or art piece might present itself, which then acts as a conclusion to the user's explora-

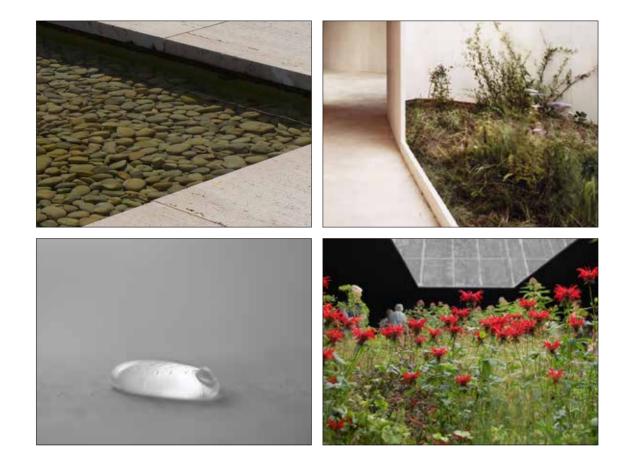
48



PARTITION WALLS : GLASS

PARTITION WALLS : MARBLE

DETAILS FROM THE FOUR SELECTED CASESTUDIES



# CONCLUSION

### MUSEUM, CASESTUDIES

Through a literary study of **Tectonics and** of place, keeping the visitor aware of his sur-Atmosphere in architecture, there is an ac- roundings by activating his senses, and creknowledgement that in order to produce at- ating measures that will focus his attention. mosphere, there ought to be an activation of On the topic of attention, we have acquired our senses. In what way and to which de- knowledge about how Museums Fatigue grees, are of course up for debate, but in or- works as a phenomenon, and what meader to create an experience, they must find sures can be taken, in order to keep 'fight each their place respectfully.

The complexity interwoven between archi- to **create excitement**, by accentuating them tectural spatial relations, coupled with the architecturally. sensory palette of the users in the architecture is to be explored further.

future museum, ought to embrace the evolv- each other. The knowledge acquired from ing trends in our society. It's important that the case studies, can be used further in the the museum has a very flexible nature. And design development of exhibition spaces, to that the exhibitions are reflecting on the re- link the architectural setup with the desired ality that is being produced daily, and does user intentions. not exclusive look at the past.

ture also can contest, by promoting a sense which should be in attention and so forth.

boredom'. These measures can also be used, not only to **prevent boredom**, but also

The case studies provides us with a toolbox of how arrangements of movement, light, We've come to the understanding, that the form etc. are working in relationship with

For example, a similar setup to Peter The museum should embrace 'nowness', Zumthor's Serpentine Pavilion can be set both as a theme, but also in its architec- up in an exhibition context, to create a space ture. As mentioned in the analysis, Fou- that focuses on one particular area of the cault denotes museums as *Heterotopian* space, by using the same measures as the space (Foucault, 1984), his argument being pavilion; isolating the surroundings, workthat your sense of place is out of your phys- ing a material palette that directs focus on ical place. This is a notion that the architec- the colorful, allow light to illuminate that



DENMARK Map of Denmark (partial) 3

# ANALYSIS III - SITE

Following the progress of the project, the next subject to investigate is the site. The site analysis will consist of the following: *Choice of site* – Which will discuss the reasoning behind the choice of site and its potentials. In *Buildings and Places of Interest* – there will be, through simple registrations there will be an overview of the functions around the site, and a reflection upon how that will affect the site. *Past and Future* will take a brief look at the history of the site and Slotsholmen, and a look at the future of the site. In *Observations* there will be a closer look at the site, and the elements in and around it that compose the site, together with the conditions of the site.

### CHOICE OF SITE

country, context, culture, decision

#### SLOTSHOLMEN

thoughts of this project. The process of actu- have the ability to easily visit it, which I think ture Center), which is just besides my cur- neste) or FET (Forsvarets Efterretningstjeally choosing the site is quiet special, since is very important. that in the real world, architects/design-(Master Thesis, AAU), the choice is relativity free. This then opens up for the question, ly know what is vet) And on what basis? (A mixture of subjective and objective observations)

The choice of site was one of the first initial sion. By choosing a place in Denmark, I also The site of the new DAC (Danish Architec- police force, PET (Politiets Efterretningstje-

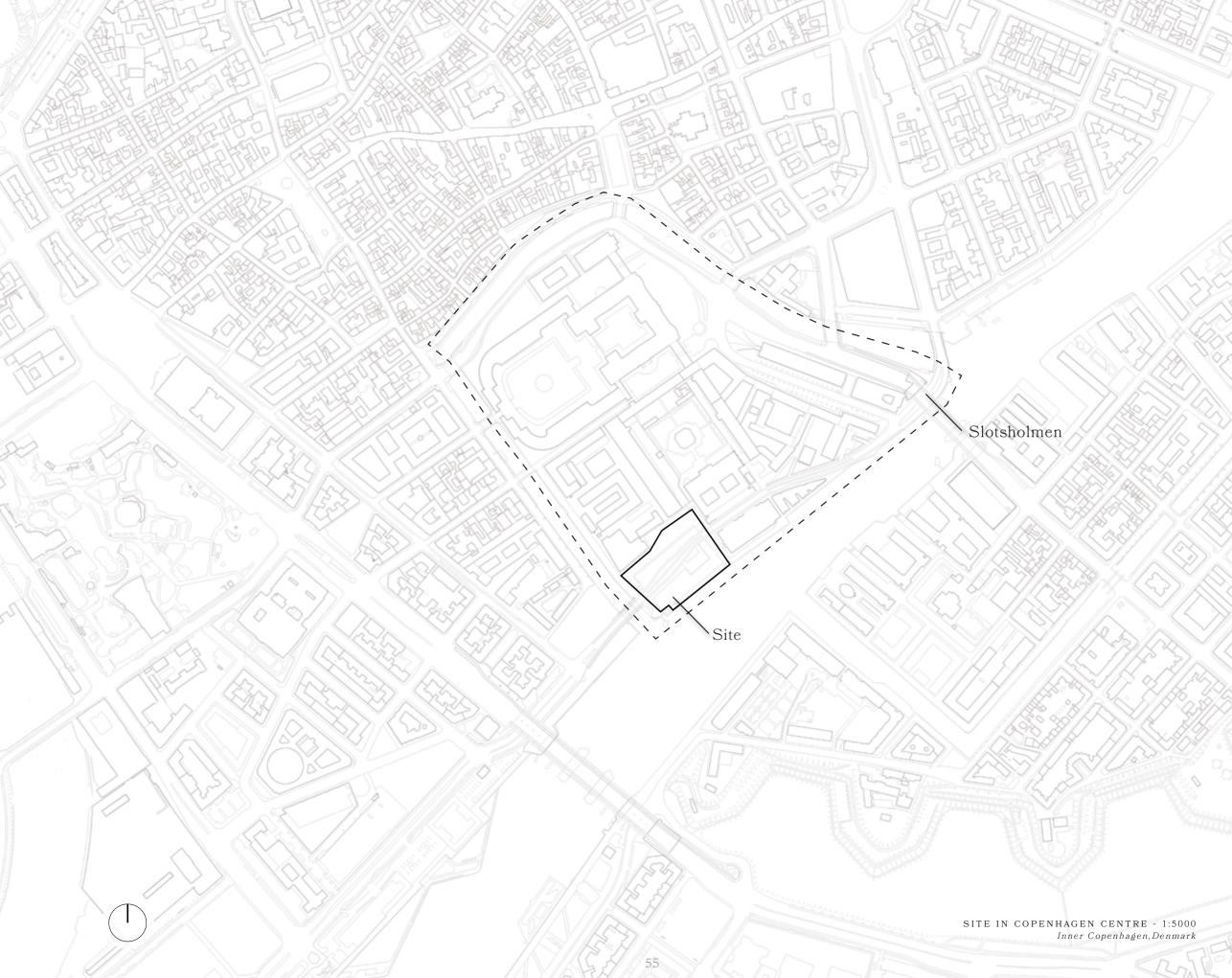
ers are often given sites (of their clients), to Next is the city of Copenhagen, which al- Then I saw the site, the site that I am using, there is little to none information on this, obthen design accordingly. But in this situation ready has a big art scene, but nonetheless and started to rationalize it being the site. gives a potentially very big audience/amount of visitors. Which has a very diverse demo- The site is fairly close to the headquarters of because if I were to make a provocative muwhich kind of site would be favorable for graphic. It is also a much visited tourist city. the Copenhagen police force, which is signifthis project? (A project which I don't real- And apparently is also one of the happi- icant in terms of security, because the buildest cities in the world, which perhaps is a ing itself has an 'embedded surveillance' good condition, for making a building with a factor. This also goes for the other buildings The proximity to Copenhagens Harbor, is provocative nature.

mark. Denmark has a quiet high degree of ty. So I was looking for Islands in Copenha- (The Danish Parliament), The Ministry of (Den Sorte Diamant), is also a nice gesture, personal freedom, and is quiet modern in its gen, as central as possible. The Paper Is- Justice, The Ministry of Environment, The being close to "a place of information". democracy and welfare-system. And Den- land (Papirøen) was also a candidate for a Ministry of Trade and Growth and The mark also has a very notorious global posi- site at some point, but was dismissed since **Ministry of Finance** all are under a kind of tion, when it comes to freedom of expres-Slotsholmen was closer to the central city. specialized surveillance by the Copenhagen

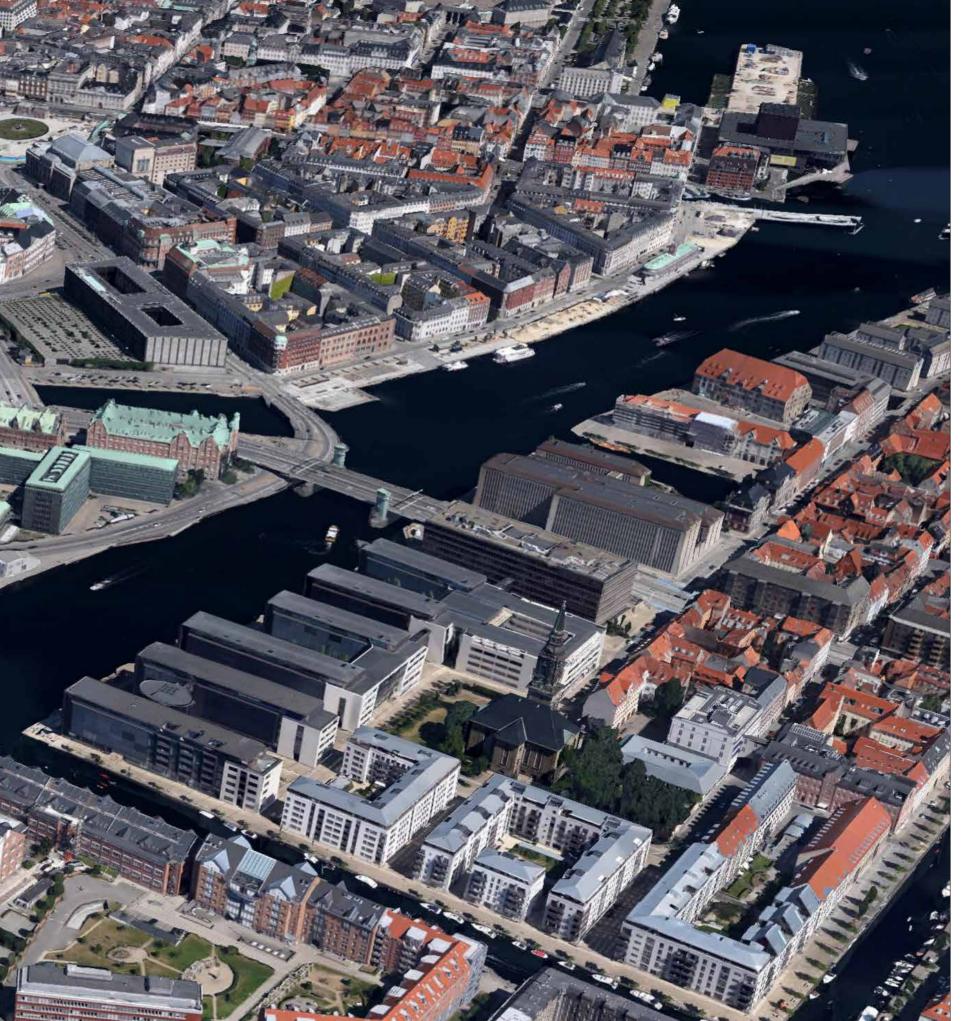
rent site, was also a candidate. But if **DAC** neste) (the two main public government inis going to be build there, then why would I? telligence agencies in Denmark). Of course,

viously not public, but I think it's fair to suggest. And this I saw as a positive potential. seum, it would be favorable to place it next to other high security buildings.

on the Slotsholmen site. Even though I have a nice quality to work with, and gives the no source of information, I think it is fair to building a good potential "face" or "orienta-The first choice was on the country, Den- Next I knew I wanted to work with securi- suggest that the buildings like Folketinget tion". The close relation to the Royal Library







AERIEL VIEW OF SLOTSHOMEN AND SITE Copenhagen

Image courtesy of Google

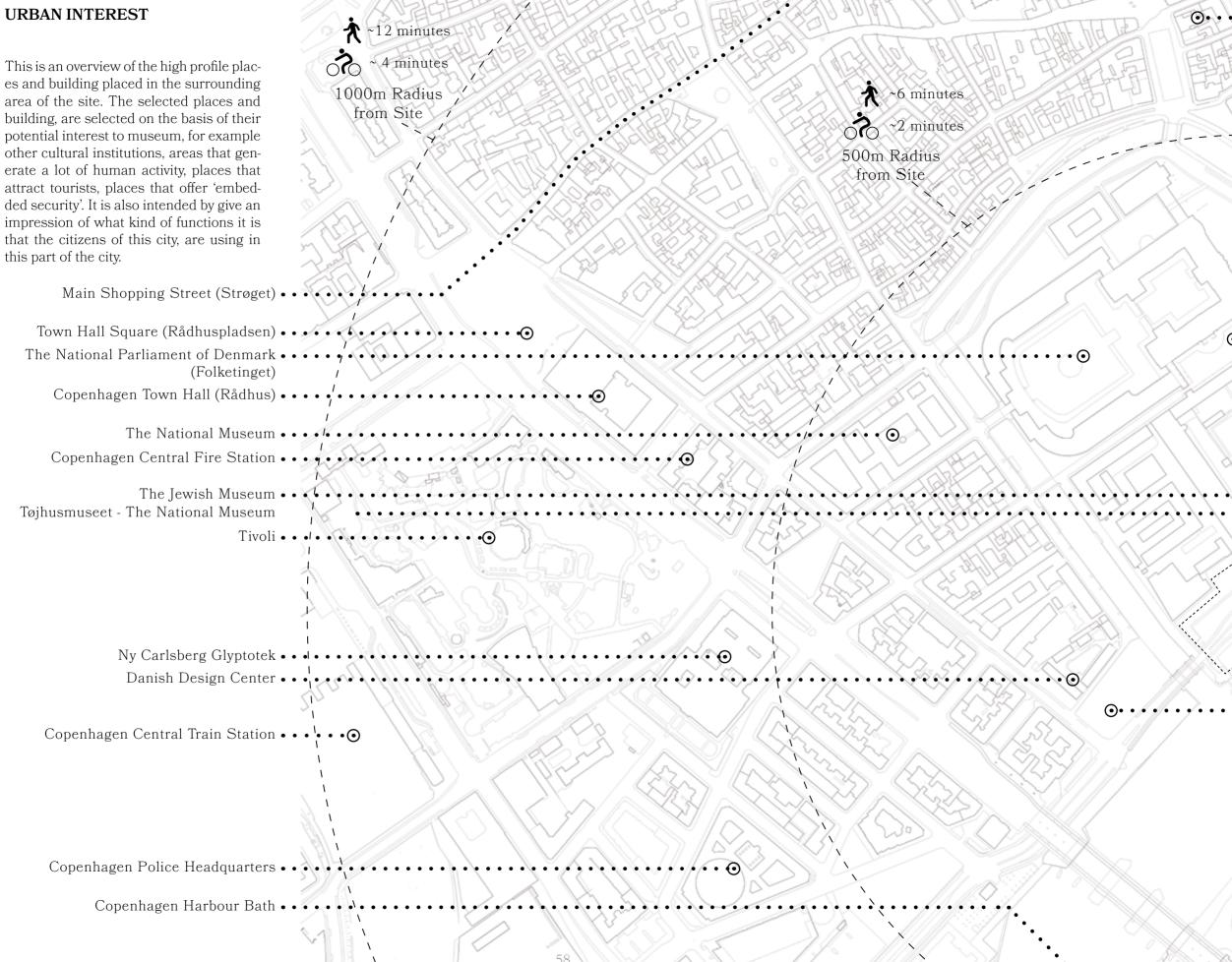
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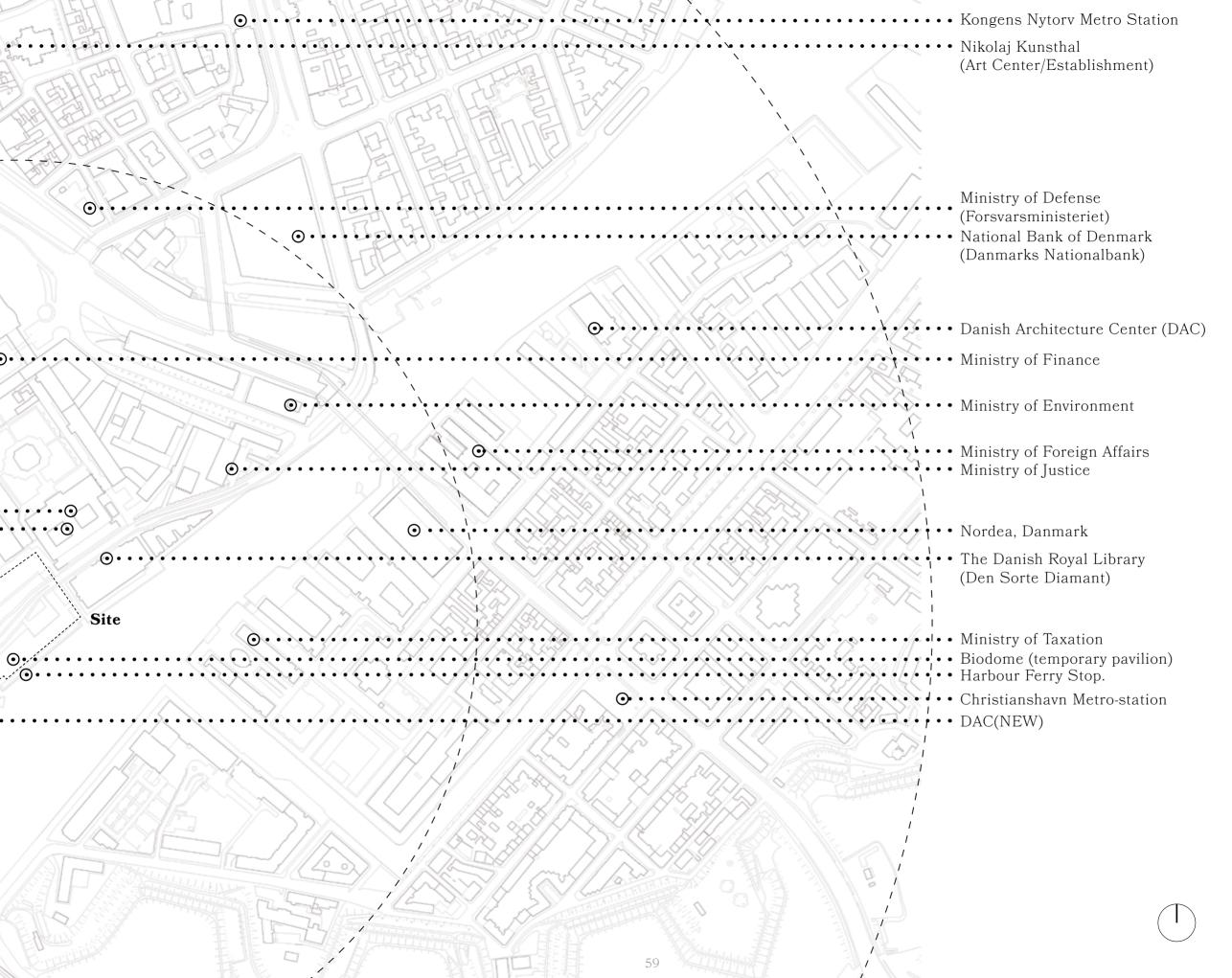
### THE ISLAND

This Arial view offers a look at Slots Holmen, and its 8 bridges connecting to the rest of Copenhagen. Notice the transition of materials, from the copper/zinc clad roofs of the north, transitioning towards south with red tile and brick buildings, and moving towards the Royal Danish Library

Latitude: Longitude: +55.67 (55°40'12"N) +12.58 (12°34'48"E)

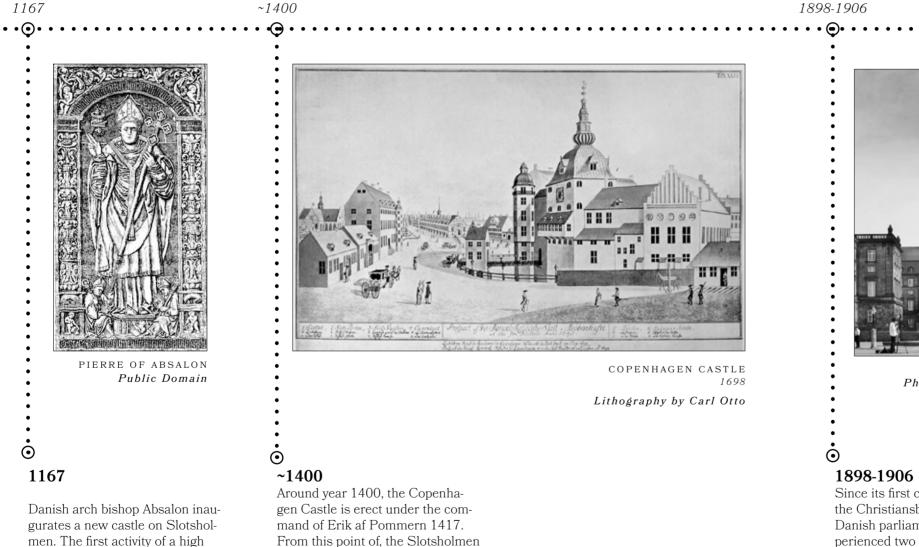
### **URBAN INTEREST**





## HISTORY & FUTURE

selected happening in the past and future of the site



.

profile building being placed on

the Island. The castle consisted

(Bramsen & Fogtdal, 1996)

es etc.

of churches, bakeries, bath hous-



FOLKETINGET Photography by Anders Hviid

### 8-1906

Since its first construction in 1745, the Christiansborg building, the Danish parliament building, had experienced two severe fires. This is why the current Christiansborg building is now the third version. It was drawn by Thorvald Jørgensen. (Bramsen & Fogtdal, 1996)

60

is now primarily used for residence

of the royals, and as main building

(Bramsen & Fogtdal, 1996)

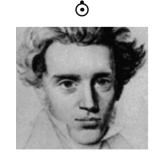
of the government.



1999

### 1999

Det Kongelige Bibliotek, The Danish Royal Library by Schmidt Hammer Lassen is inagurated.



1999

#### 1999 - Søren Kirkegaard

The site is named Søren Kirkegaard's Square, in connection with the inaguration of the Royal Danish Library



2013

 $\bigcirc$ 

#### Dome of Vision

The Dome of Vision, or Biodome is constructed at the site, as a part of a temporary/contemporary pavilion installation experiment. Acting as a multi-functional place, which and an 1:1 model of an investigation into indoor climate-conditions. (DOV, 2016)

### 2017

Danish Design and Danish Architecture Center

2017

On the opposite side of Frederiksholm Canal, the new Danish Architecture Center, and Danish Design Center will be located. In a new building by OMA.

### 2004

Jødisk Museum / Liebeskind

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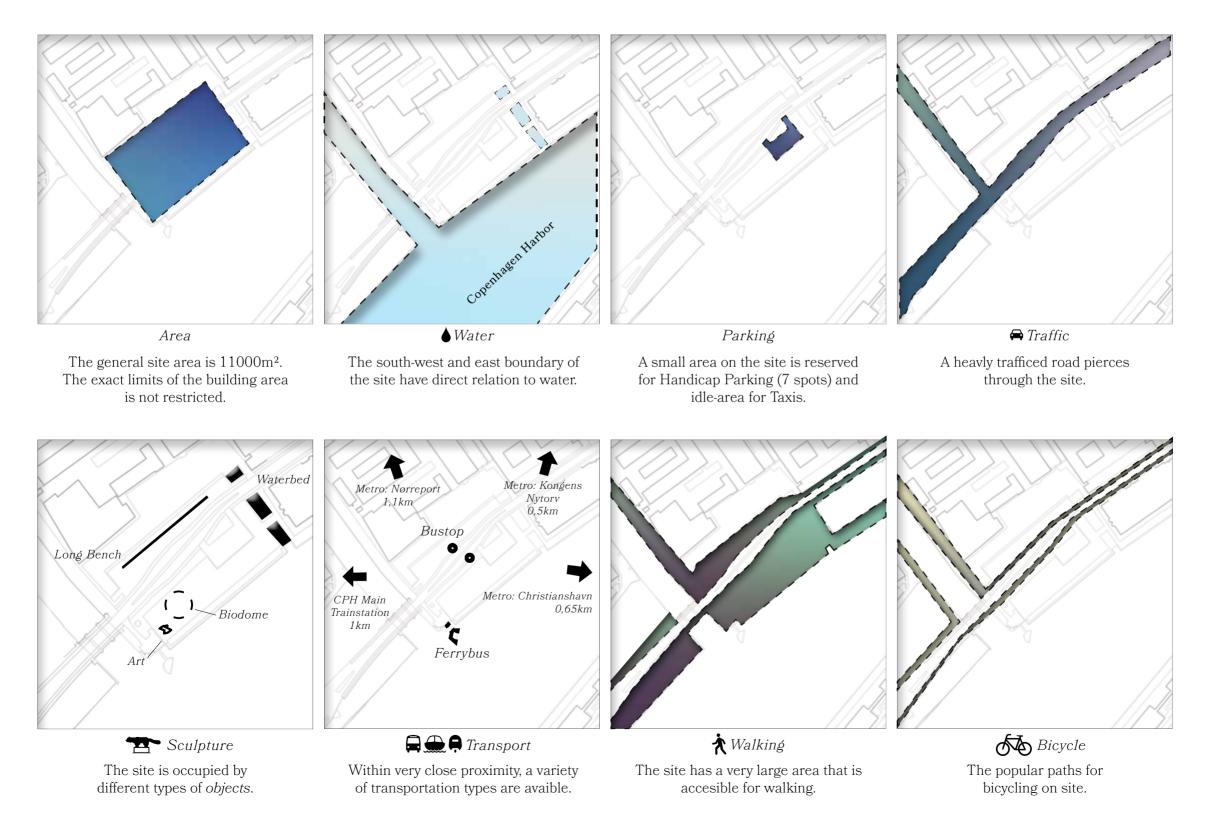
Inditall

2004

In Christian the 4th old gallery house, The Danish Jewish Museum is opened, with an refurbishment of Daniel Libeskind. It is a part of the Royal Library.

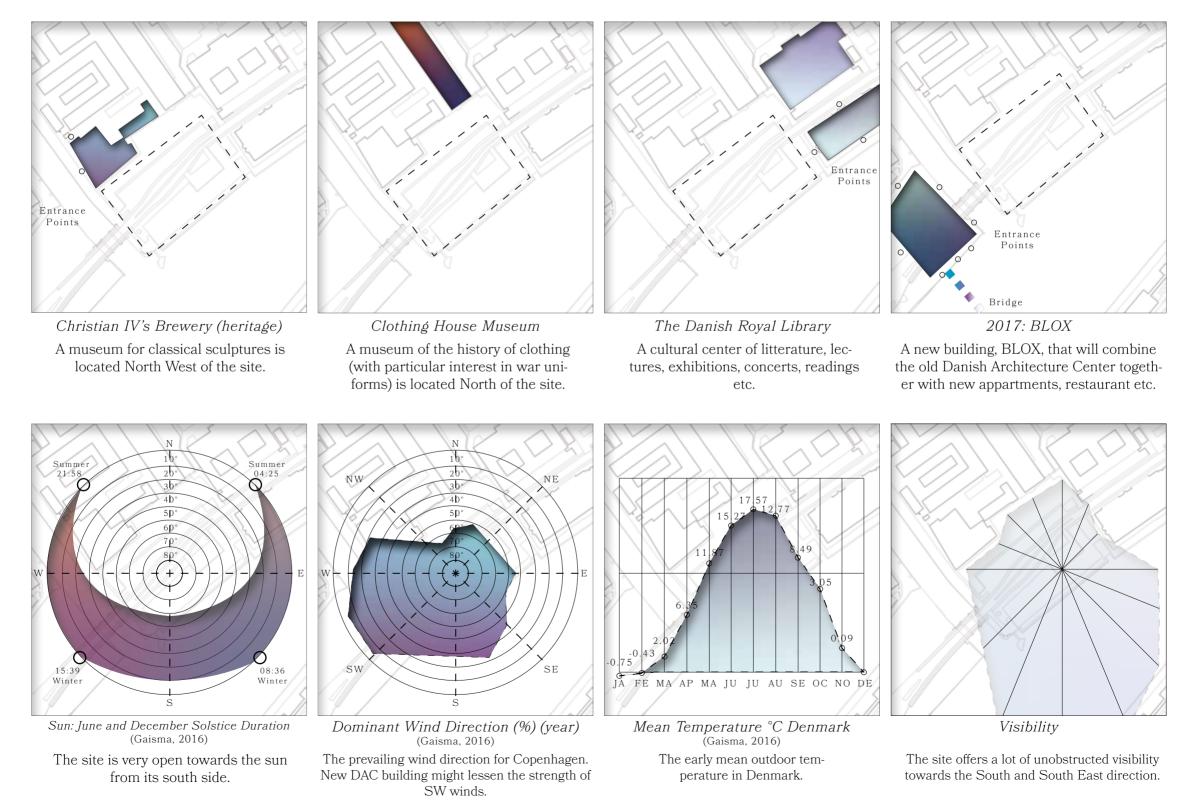
## **OBSERVATIONS**

object, areas and space



## CONDITIONS

physicalities of the site







## ARCHITECTURE

buildings in the vicinity of the site

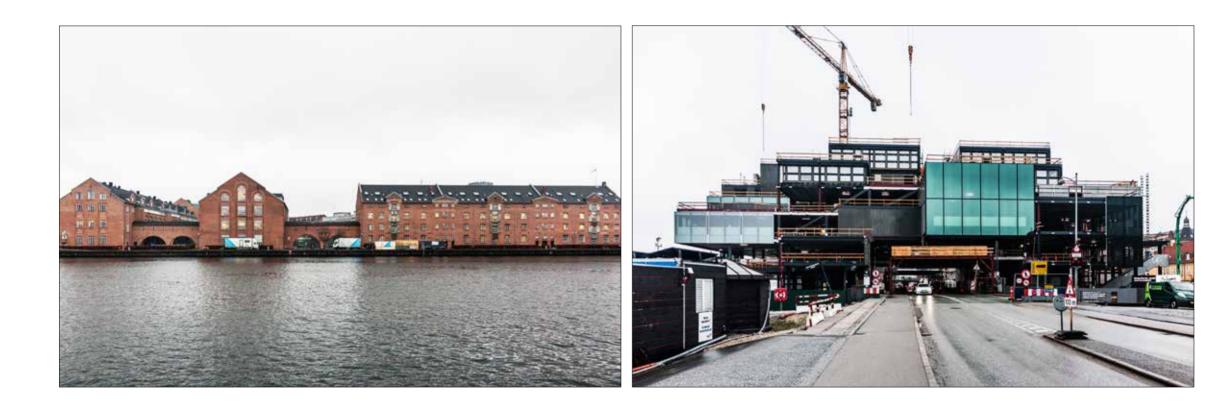


#### THE BLACK DIAMOND

The Black Diamond has a very **dominant presence** on the site. The black and glossy surfaces are lining directly up towards the buildable area of the site. And its presence is not only present in its vicinity, but from further down the Copenhagen harbor, and from a great distance, you can still see it because of its scale and color. But despite its **brutal** presence, the building shows a lot of refinement, when one passes through it via the flow of traffic. Two huge glass facades, connecting to each other via the flying corridors can be experienced. There is a dichotomy of black versus white, and closed versus open. As a reference to the diamond, the building is also one of the few, if not the only, that doesn't have vertically straight façade lines, which contributes to the unique-ness.

#### **CHRISTIAN IV'S BREWERY**

The former Brewery and now turned Museum, Christian IV's brewery has a very traditional presence on the site. Towards the site it shows an almost full masonry façade, only punctured by a few windows, and certainly possesses a degree of monumentality due to its scale. The patterns in the brick façade show how the windows have been replaced by new ones, by the arches above the windows. Being an older building that has found a new function, the building hardly shows, by its architecture or by signs, that it is a museum.



#### **COPENHAGEN HARBOR**

In the southern direction from the site, the Copenhagen Harbor is present. On the adjacent side of the harbor, is older mason building whom are now being used as business/offices buildings. The harbor offers an incredible view, and is ideal for a moment on contemplation. Harbor Ferries pass through this harbor.

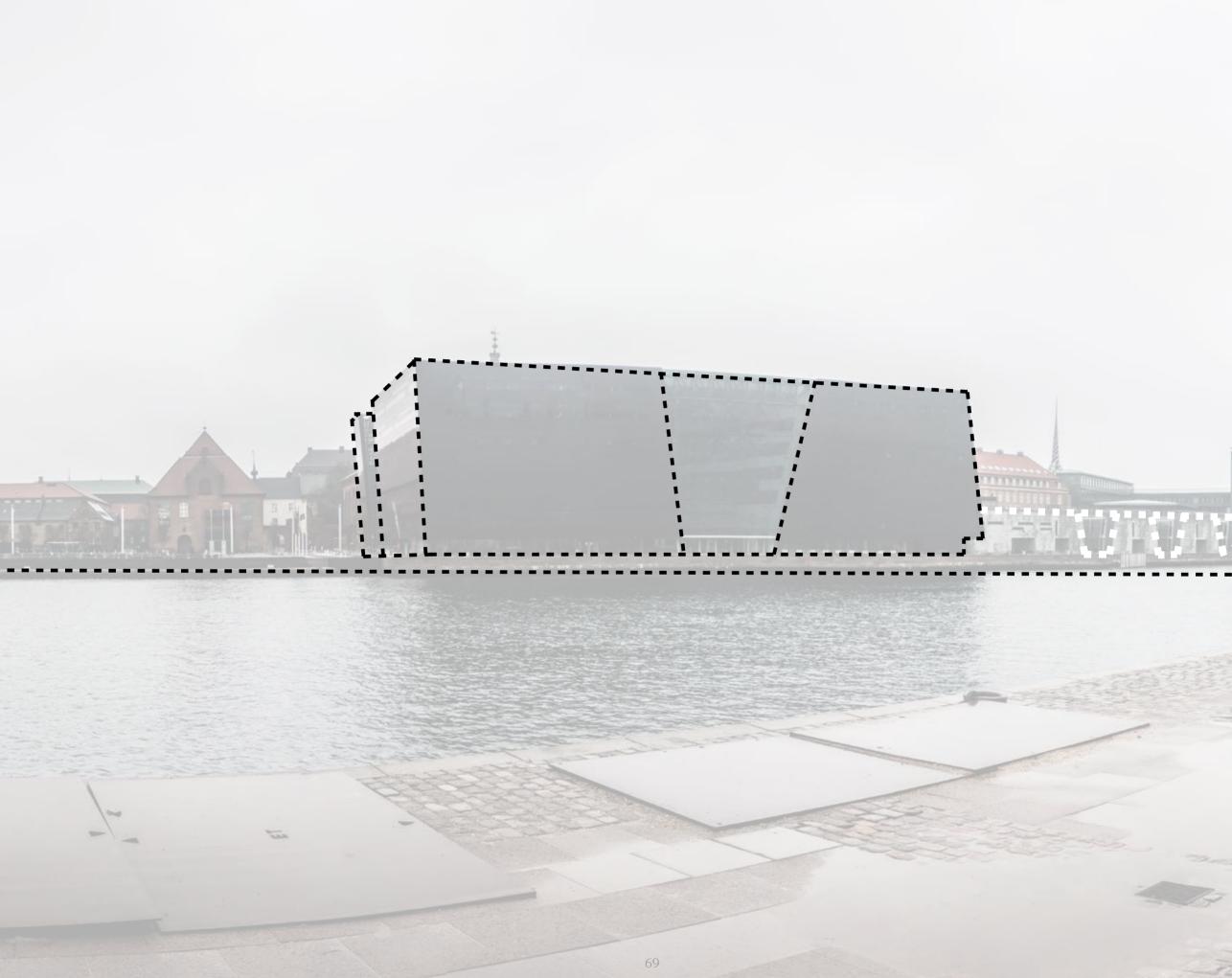
### BLOX

The BLOX building will host the new Danish Architecture Center, and is planned to be completed in 2017. The typology is in relation to the other neighboring building, is bit more complex. It can be read as a series a stack of horizontal boxes, with white and green glass panels, in a structure of steel and concrete. The BLOX building will most likely act as a magnet for human activity, with a particular interest in design and architecture, and will also be the closest residential area to the site, since there will be penthouses in the top of the building.



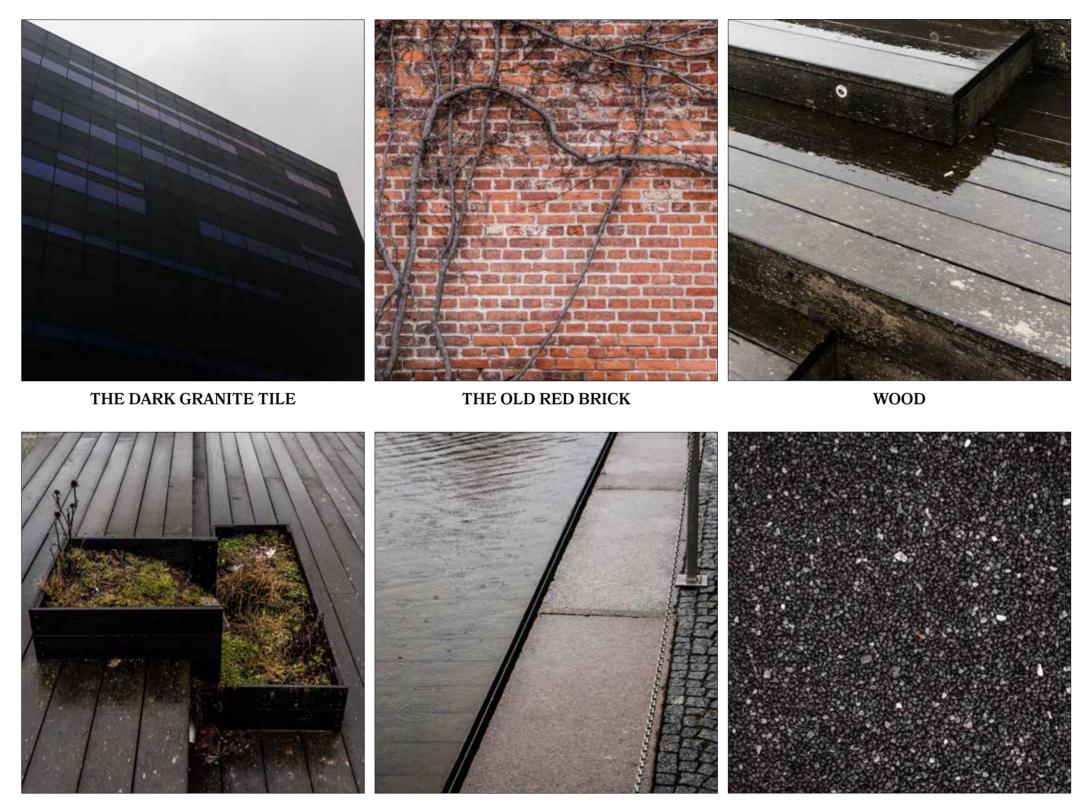
From the other side of the harbor, the site seems almost squeezed in between two very significant architectural icons. With one icon (right) having a strong and more monotone architectural expression, and the other (left) with the more "exploded set of boxes" impression. 1012-0

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## TEXTURE

the materiality in and around the site



WOOD AND VEGETATION(?)

WATER BED AND RAILING AT THE ROYAL LIBRARY PEBBLES



WATER

BLOX (2017)

PAVEMENT



WOOD AND STEEL (BENCH)

COBBLED WALKWAY

**GRANITE (DRAINAGE)** 



THE MINISTRY OF JUSTICE (LEFT), THE OLD BØRSEN (SPIRAL TOWER), AND CHRISTIANSBORG (PARLIAMENT)

Position: 55°40'28.9"N 12°35'08.7"E



THE NEW FACACE PANELS OF THE NEW DAC CENTER.

Position: 55°40'20.7"N 12°34'48.0"E



THE LANGELANDS BRIDGE

Position: 55°40'13.8"N 12°34'42.1"E

### THE COLOR OF OXIDATED COPPER

An observation on materials: The green colored glass facade panels of the new DAC center, are most likely inspirired by the presense of the Oxidated Copper rooftops of the public buildings around Slotsholmen.

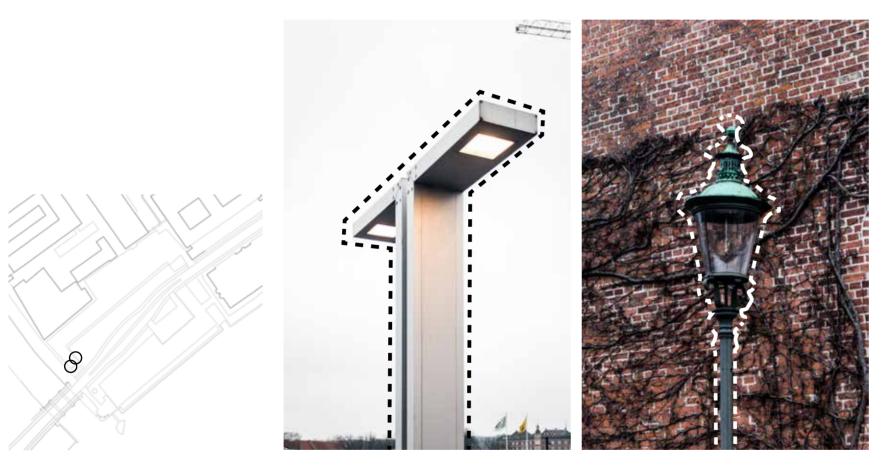


# OBJECTS OF THE SITE

distinct observations

### A CONTRASTIVE ENVIRONMENT

In an isolated view at the lampposts at the site. The newest lamppost (left), a minimalistic *colorless* expression. And the older lamppost (right), a heavily ornamented expression, a combination of steel, glass and and oxidized copper. No more than approximately 6 meters apart.



NEW MINIMALIST

OLD EXPRESSIONIST

Position: 55°40'21.7"N 12°34'48.0"E

### A MEASURE OF PROTECTION

At the south facing entrance to garden of the Royal Library, there is a moveable bollard, set to prevent unauthorized vehicles to enter the premisis. A contrast between the red extrados brick arch and wall, and the automated steel cylinder, among the big granite pavement.



THE BLOCKING BOLLARD

<u>Position: 55°40'25.4"N</u> <u>12°34'52.9"E</u>

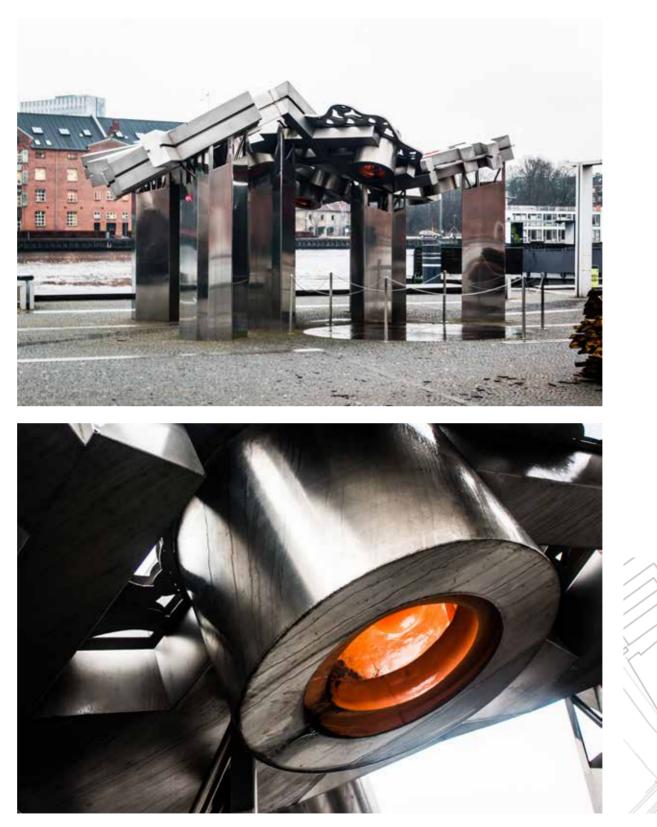
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### BIODOME

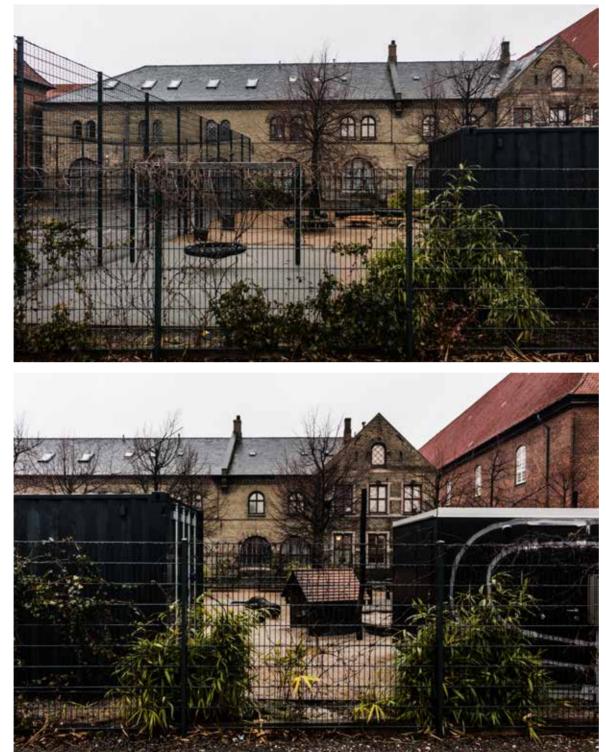
Ο

Currently on the site, is the Biodome. A temporary pavilion set to investigate indoor climate and building techniques of temporary structure. Functioning as a recreational space, the biodome has an ability to attract human activity. The pavilion is not set on a "permanent foundation" and can be moved. The exact future of this pavilion is unknown, intentionally ment as a temporary installation, has now turned, due to the popularity of it, into a more "permanent-temporary" pavilion.





Currently on the site, is this art sculpture. It's origin is not exactly specified, but it was erected in connection with the inaguration of the Søren Kirkegaards Square.



# 

### FENCED PLAYGROUND

In the northern part of the site, there is a fenced in playground, which in the time periode from 08:00 to 17:00 is reserved by the Children and Youth Administration of Copenhagen Municipality. This is a strange mix of *Play* and *Prison*, and seems very poorly maintained and hardly used.



# CLASSIC SCULPTURE

At the south facing wall of Christian IV's brewery building, a line of classical black statues, form a 'barrier' up against the building.



# CONCLUSION

### SITE ANALYSIS

the balanced of being surrounded by the two ing to be designed on the site, can feed of neighboring buildings: The Black Diamond the neighboring buildings ability to attract and the BLOX building. These two buildings human activity. But also in terms of coopalready possess a strong presence in the site eration between the BLOX building, which both in a spatial but also functional dimen- most likely will function as a "Architecture sion. The present functionality of these two House" showing exhibitions, hosting debuildings, ought to be respected in a manner bates etc. And the Black Diamond which which still holds them to fully function.

The site currently has a very minimal prac- building, which is ought to be designed on tical usage, being a parking lot for the Black the site. Diamond. And this functionality has to be able to continue. Likewise with the current The Biodome current holds the site, but the traffic opportunity that it now presents.

der to lionize the presence of the building. ion which is then relatable to BLOX. The BLOX building, as a series of stacked boxes, has some references to the copper clad roofing tradition of the nearby buildings, despite this it does leave a very modernist impression.

The most peculiar condition of the site, is There is a strong potential, that the buildholds an incredible amount of "data/knowledge". In is very likely that a Museum type

future of this "temporary" pavilion (almost permanent pavilion) is very unclear. The sce-In terms of materiality, the site is surrounded nario that is most likely to happen, is that by a very diverse and strong mix. The Black it will move towards the BLOX building, it Diamond presents itself as a big black gran- work in conjunction with it. Functioning as ite block, and it is assumed that this is in or- an outdoor experimental architecture pavil-



# INITIAL VISION

### PROJECT DIRECTION, FOCUS

A fundamental property of a vision, is its abstractness. There is an imaginative nature to a vision, it holds things together, but still allow for some empty space to be filled. The accumulated information from the analysis, helps inform and direct the architectural intentions. This form helps clarify how to evolve the project, and with what priorities.

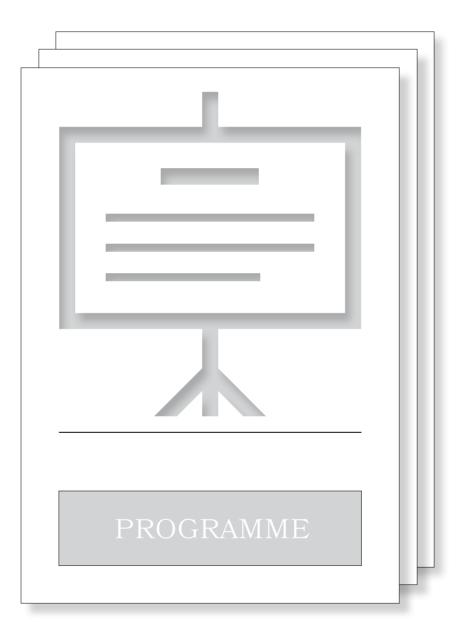
*The Analysis* 1<sup>st</sup> part, on **Censorship and Freedom of Speech**, informs about the main exhibition themes; the history, usage, misusage, the law, the culture, dilemmas and paradoxes revolving censorship and freedom of speech. This is the *substance* of the architecture.

*The Analysis 2<sup>nd</sup>* part, on Tectonics, Museums, and the case studies, informs us about how we should design exhibition space, to have an embracing architecture, rich of spatial experiences in order to combat museums fatigue, and to accommodate the future of museums. This is the *format* of the architecture.

*The Analysis 3<sup>rd</sup>* part, on site analysis and understanding, informs us on how the format of the architecture has to accommodate the site, in order to integrate the building into its context. There are the *conditions* of the architecture.

In summary, the ambition is to merge the substance, format and conditions.

I want the historical and future sociological influence of Censorship and Freedom of Speech to be expressed in a Museum, in which the exhibition design creates a significant experience for the visitor. With an architecture, which is integrated into the site in a respectful manner



3

# PROGRAMME

In this section the focus is on the programme of the proposed building. As for all buildings, there is a great variety of different spaces that are necessary in order to accommodate the daily life of a building. And each of the spaces, have their own functional and aesthetical requirements, in order to work as a space.

The objective of the Room Programme is to give an overview, over the different spaces both in a quantifiable and qualitative perspective. And there next to tell, what the relationships between the individual spaces? And what are the conditions of the spaces, in terms of being private or public? Lighting? Connectivity? Operating hours and so forth.

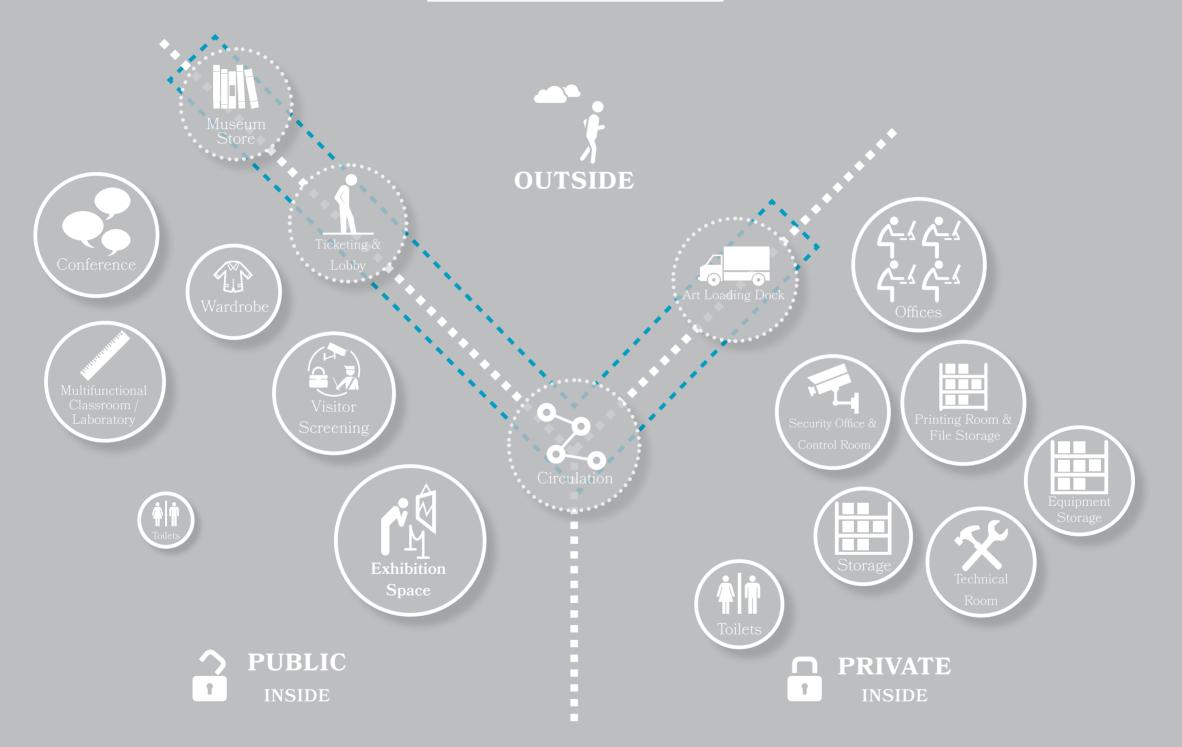
# AREA SCHEME

user	# function	size
	Entrance / Lobby / Wardrobe (Visitor and Staff)	
	🐔 Visitor Screening / Bag Check	
	👖 Ticketing / Info Desk	
	Museum Store (related Office and Storage)	
	🐔 Security Office / Control Room	
	Uncrating / Staging / Art Loading Dock	
	Crate Storage	
	🛠 Landscape and Grounds Maintenance Equipment	
Employees	🛠 Suppler, Equipment and Seasonal Furniture Storage	
	Art Storage	
	Equipment Storage	
	۲-۹ Technician Office	
	< Conference Room 30 seats	
	< Conference Room 10-15 seats	
	🖌 Multifunctional Classroom / Laboratory	
	र्द- Offices (Marketing and Development, Administrative, Boss, IT)	~200m²
Employees	र्द Offices (Curatorial, Exhibition Design, Publications, Archivist)	~120m²
Employees	ረግ Marketing and Development Offices	~80m²
	८ ८४ Administrative Offices	
	र्द- Department Head Office	
	Printing Room / File Storage (one near every office)	
Employees	La IT Server, IT Storage	~40m²
Employees	🛠 Technical Room (auditiorium)	~10m²
	🛠 Technical Room (exhibition space)	
	/ Shared Art Preparation/Conservation Studio and	
	Registrar, Conservation, Exhibition Design and Technical Offices	
	🖌 Exhibition Space (permanent, temporary, multihall)	
	📚 Circulation	
	🏟 Toilets (public, staff, restaurant)	

# CONNECTIVITY



# ACCESSIBILITY



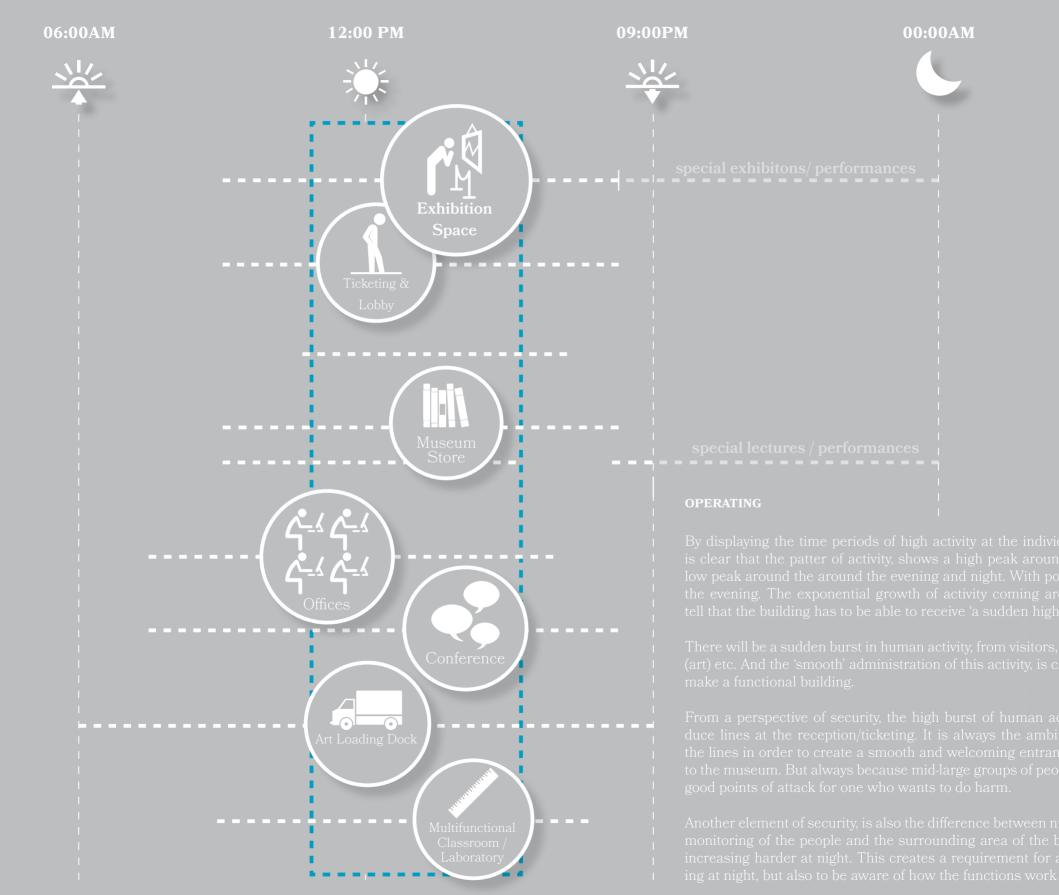
### ACCESSIBILITY

The separation from Public and Private Areas in the museum are crucial. Firstly for the visitor experience, the museum ought to promote the idea, that the visitor is free to explore the museum, without having to be concerned of 'breaching' into Private Area,

but also to keep the experience of the art spaces, consistent as in the same rhythm. Secondly from a security point of view, the integrity of the museum relies heavily on its ability to control and secure the spaces the visitors occupy. A visitor with possible bad intentions, breaching into restricted area could have very negative consequences

Besides showing art, the museum also proserves, repairs, and safeguards art. Art tha might be of high economic value, or hig historical value (or both) – and the ability t safely preserve the status of the art, is crucial. But in opposition to this strong separation of Public and Private, the building als nave to preserve an welcoming gesture, and not turn this wish to separate Public and Private into an aggravating experience for the visitor. And in order for the museum to function, there is also a need to connect outwards, and not only inwards. Metaphorically speaking it would have to be a prison that seems like an open dessert.

# ACTIVITY



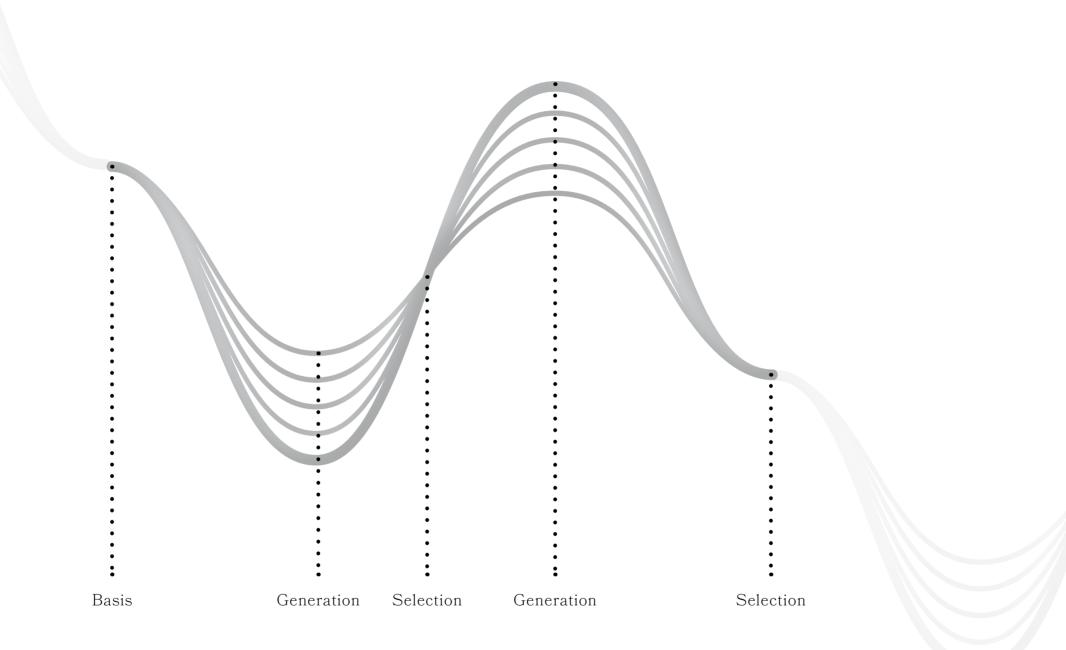


# 4

# DESIGN DEVELOPMENT

This chapter will highlight the process of the design of the new building, it will give an overview and insight into which parameters have been treated, and also in more detail how the actual process is shaped during the design process.



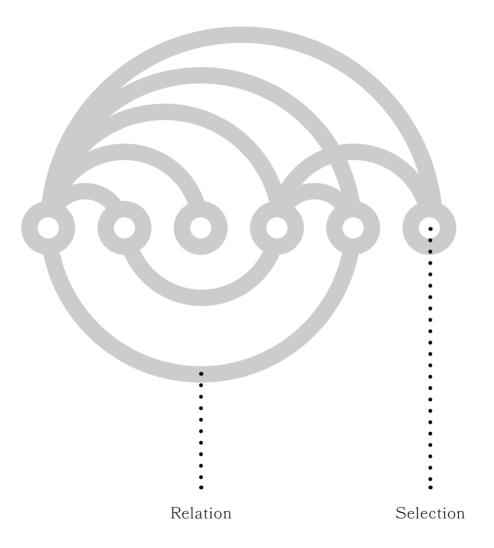


### **IDEA GENERATION**

dition of the idea generation. At the absolute infant stage of the design process, the ba-In conjunction with the integrated design sis consisted of the data acquired the analprocess, the process has been heavily dom- ysis of this report. The phase of Generation ination by a very repetitive approach, but is then built upon the basis, which then genthen as the process progresses. The point erates ideas which are reactionary to this of departure is the Basis, this is a represen- Basis. The direction of the Generation can tation on the beforehand knowledge or con- also be steered by different kinds of motiva-

that which seems to spur the most drama, this is despite this, the general tendency. but this only because the most vital part of the selection is that it can be reversed at any

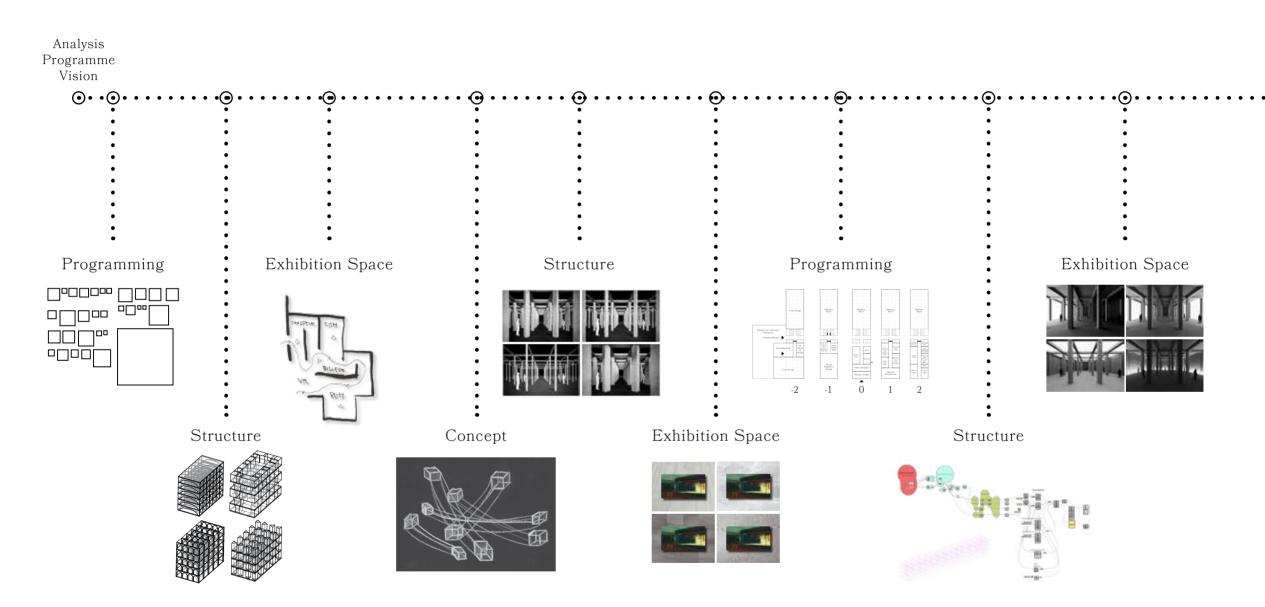
tions, or personal preferences etc. but the time, and that the reasoning behind the semain idea is to generate as many reactions lection, can be various. It is hard to generalor design options as possible, to both re-un- ize a vague fragile thing as design process, derstand the basis and to have a palette of because it has the capability to be logical, ildifferent solutions. The selection is usually logical, random, ordered, slow, fast etc. But



### SELECTION

What is of upmost importance, is the relation of the selection in accordance with other selections. When the judging parameters for a particular selection, stems from its relation to other design selections, there is a growth in the overall coherency of the design.

# TIMELINE



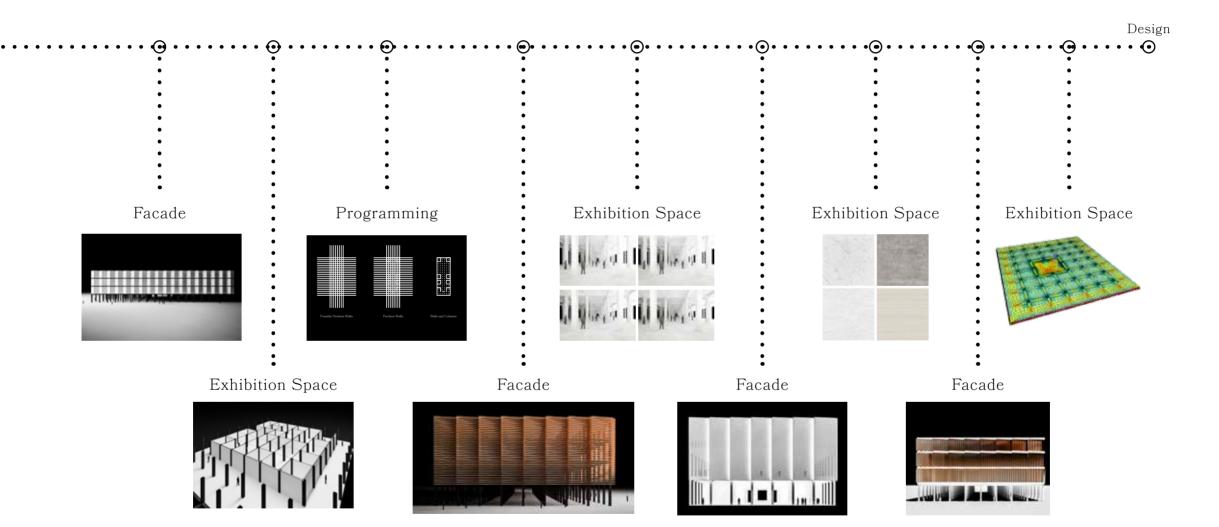
### **DESIGN DEVELOPMENT**

It is important to firstly address the hardship cess is not always like this. An appropriate of describing the design process. This is an metaphor for this, might be a long matheacademic report, which means that there is matical equation, where not every variable a necessity for a very coherent, clearly-un- is completely accounted for. derstandable formulation of the process of The process has primarily been driven, as a

personal experience, that the design pro-

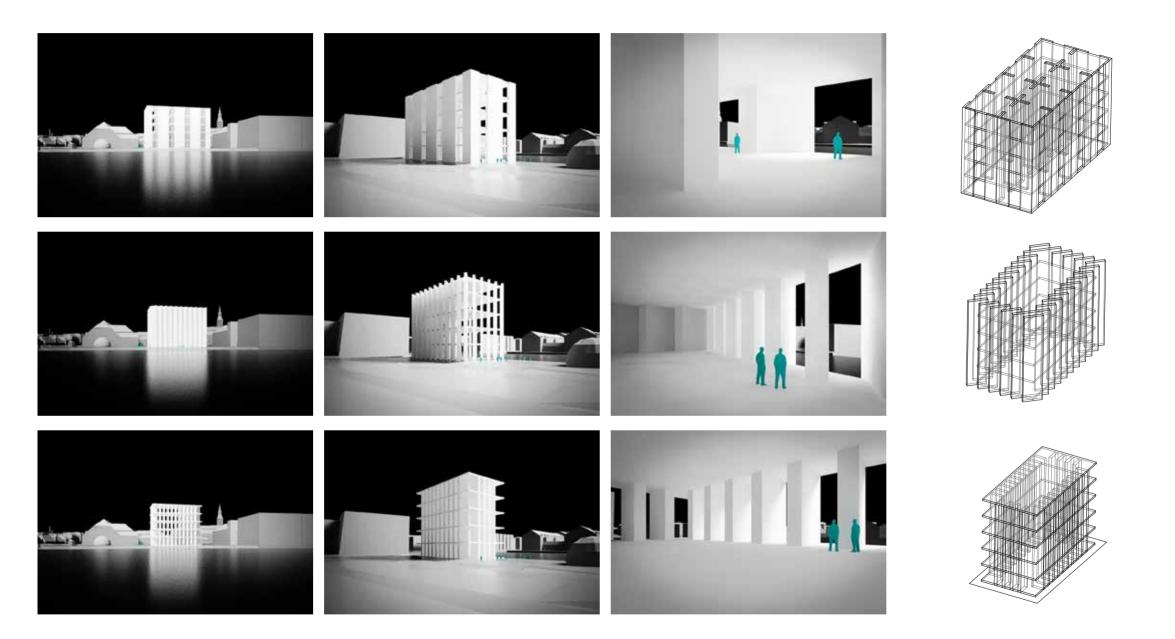
gramme of the building.

or elements within the design of the build- ent motivations and tangents have been exing. The point of departure, as mentioned plored, some get investigated more in depth, was the Analysis/Research, and Vision as- and some are treated in a more general apsociated with the project, together the pro- proach. As the design process progresses, the initial programme turns into a plan, the As with every design investigation, there structure turns from concept to materializadesign. But it is very typical, based on own series of investigations into different topics has been various tools in use, and differ- tion. A transgression from conceptualization to detail.



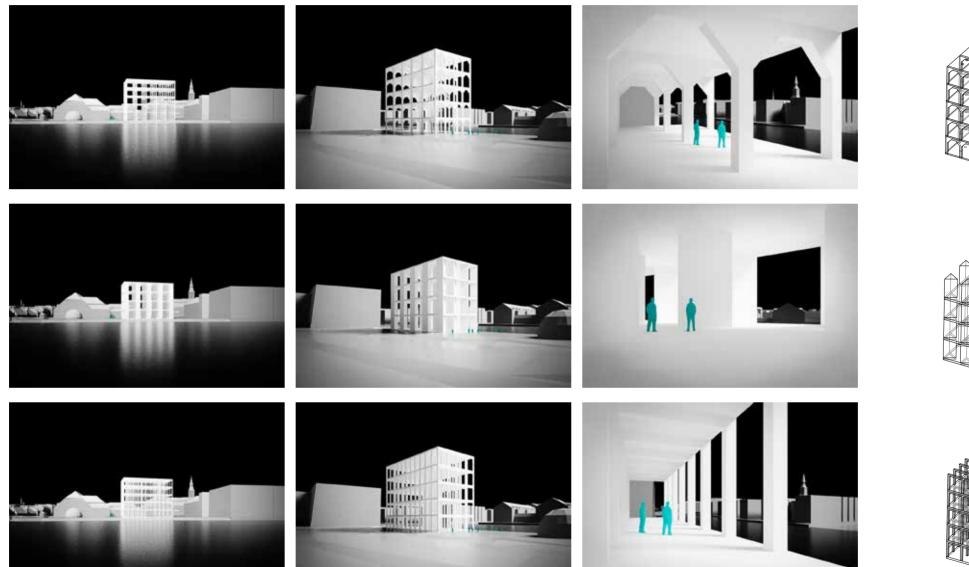
# STRUCTURE I

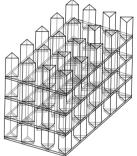
investigation of possible structures

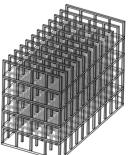


### **Objective**

How does the site react of different types of mass? Which kind of structures can be generated, that would be terror-resistant? How does the concept react from different views of perception?: (1) From the adjacent harbor. (2) Arriving from the city. (3) From the inside. What different kinds of structures, consisting of floorslabs, columns, beams, cores can be generated? How does the mass react to The Black Diamond?

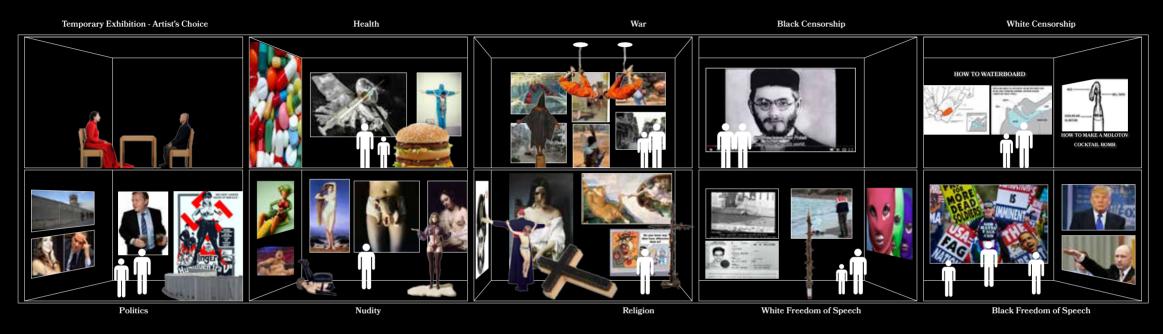






# EXHIBITION SPACE I

the space of the exhibitions in relation to experience



Sectional sketch of the different exhibition themes

### **Objective**

In a Museum of Censorship and Freedom of Speech, what topics ought to be addressed? What kind of experiences should the visitor have to stay engaged?

# EXHIBITION SPACE II

communication types and themes of the exhibitions



# STRUCTURE II

the space of the structure and its influence



0,6m thick columns with 2,8m in between from center to center



0,4m thick columns with 2,8m in between from center to center



0,8m thick columns with 2,8m in between from center to center

## Objective

How does the thickness of the structure influence the space? How does different spans between the columns limit, or free up the visibility of the space? How is the scale of the columns in relation to a human scale?



0,8m thick columns with 5,6m in between from center to center



1,6m thick columns with 5m span in X direction, and 10m span in Y direction.



0,8m thick columns with 3,6m in between from center to center



1,6m thick columns with 5m span in X direction, and 10m span in Y direction.

# EXHIBITION SPACE III

strategies for lighting the exhibition space

THE COLUMNS IN THE SPACE



BOUNDARY COLUMNS

A PATH DEFINED BY THE COLUMNS

### **Objective**

Which kind of lighting strategies can be implemented? How does the space look when the columns are highlighted? The boundary of the space? The objects within the space? How can the lighting define a clear path?

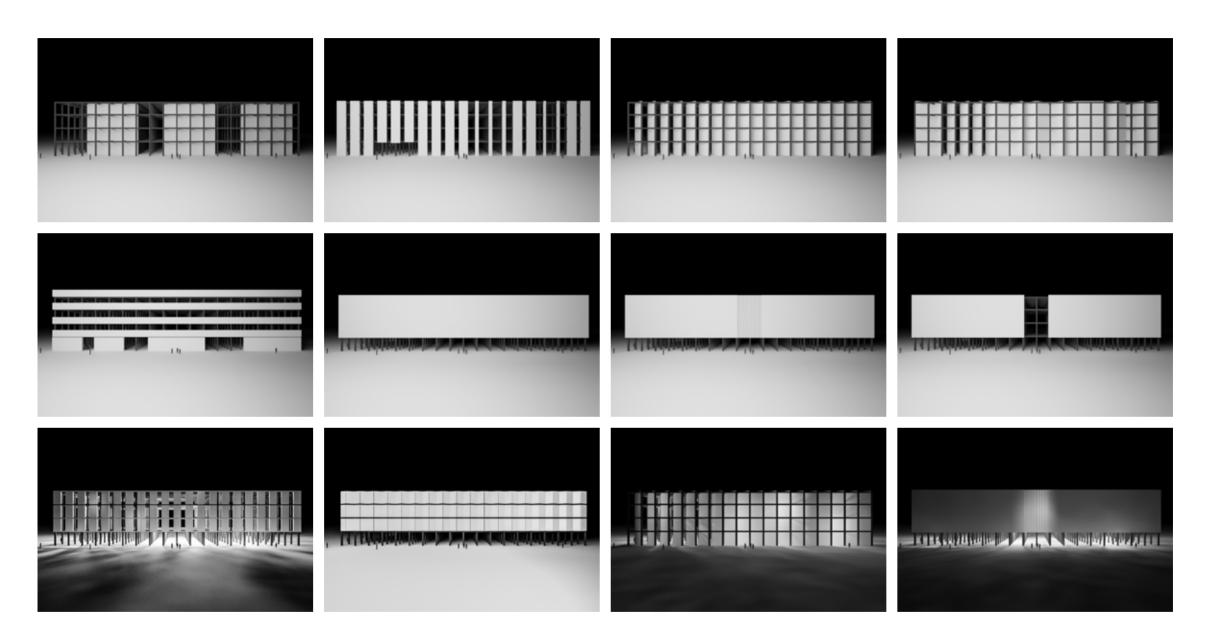


THE OBJECTS IN THE SPACE

THE EDGES OF THE STRUCTURE

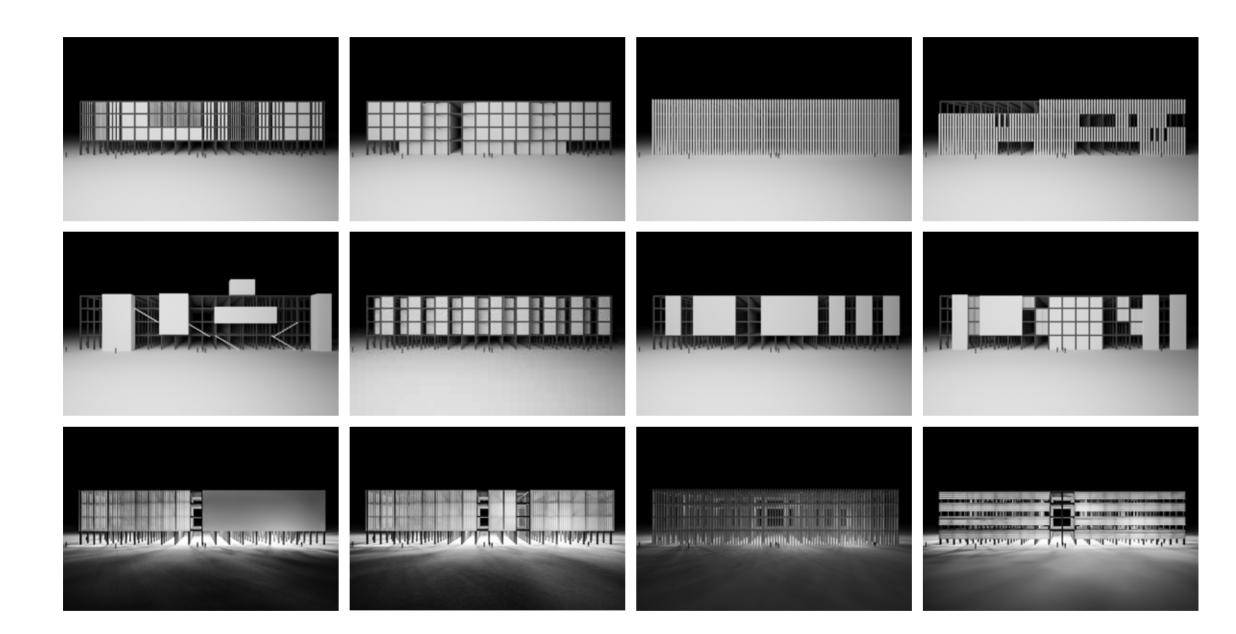


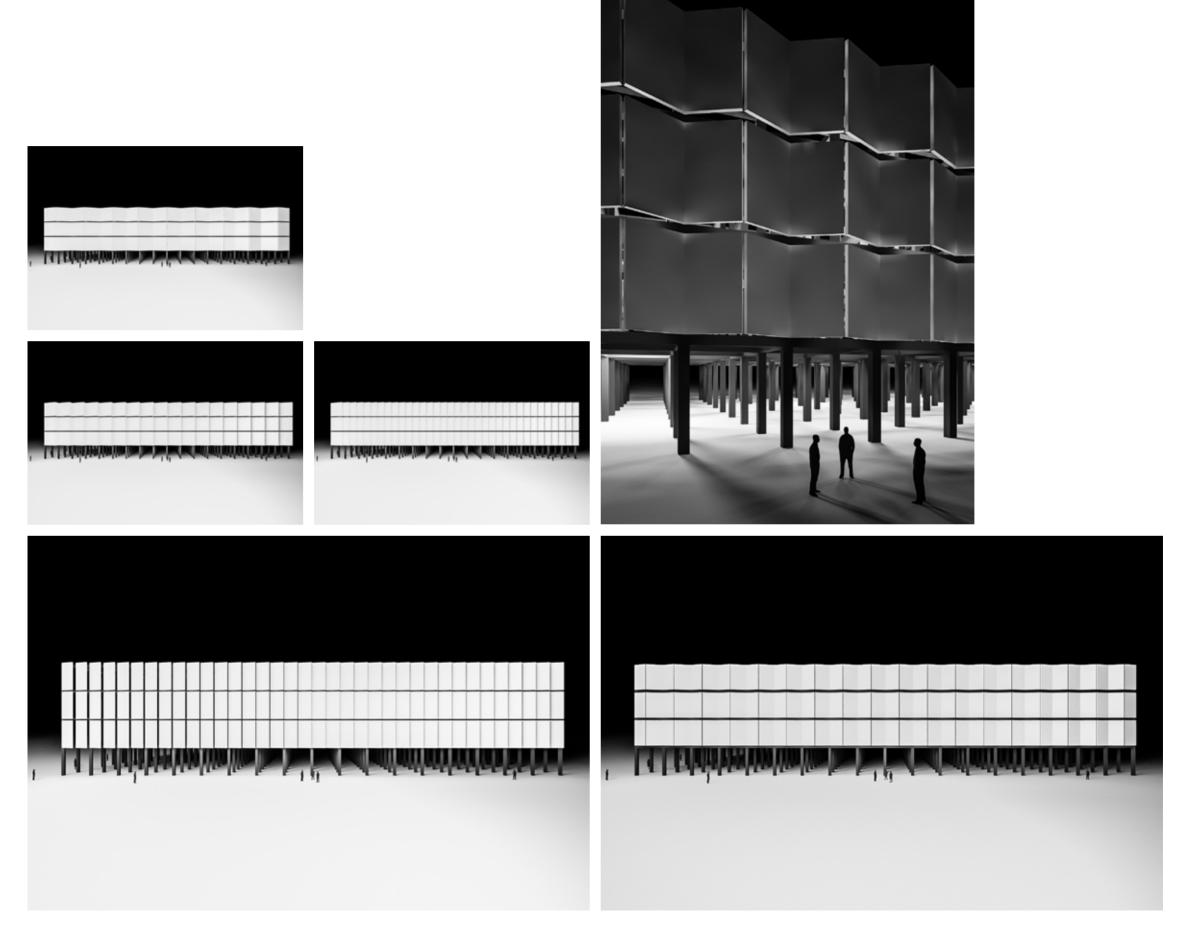
Elements that continue the pattern of the structure

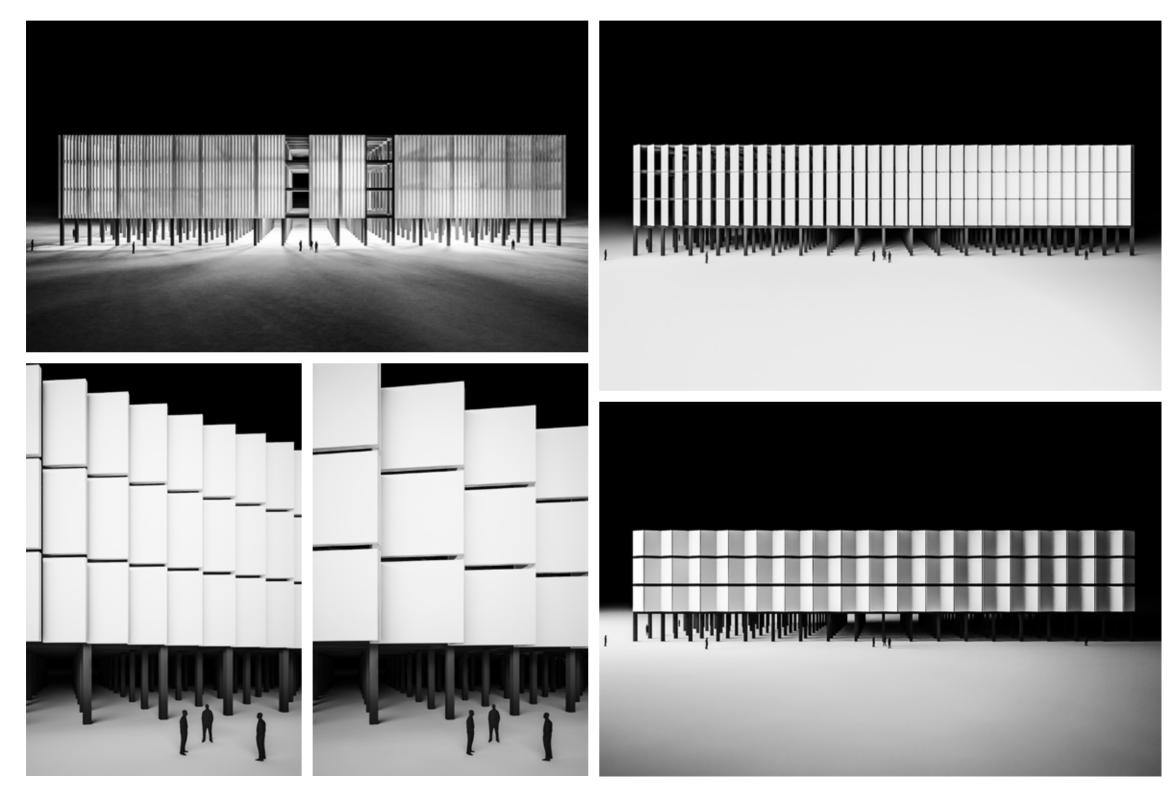


### Objective

Working with the idea of applying mass to the structure: How can the facade highlight the structure of the building? Which functions need to be covered up by the facade - and how? How is different levels of transparency created? What is the balance between ie. horizontal elements in a very horizontal typology? How can a strong sense of depth be created in the facade? How does the facade influence the light of the building?

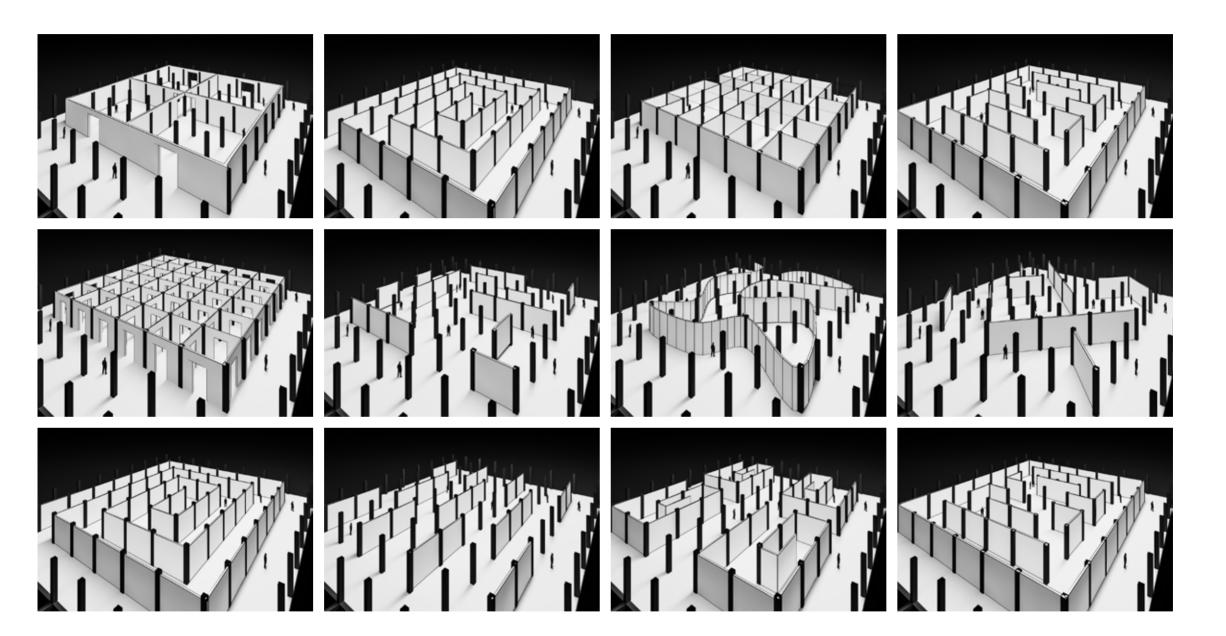








exploration of different exhibition setups and flows of movement



### Objective

By creating partition walls between and besides the columns on the exhibition space, several different spatial composition can be created.

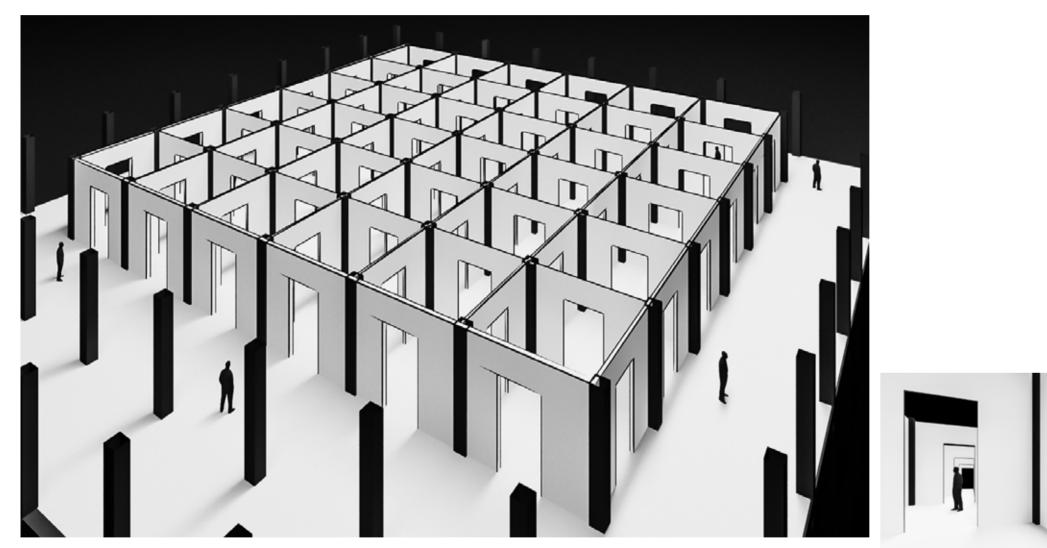
These ought to diversify the gallery experience, but also to adapt to the exhibition accordingly.

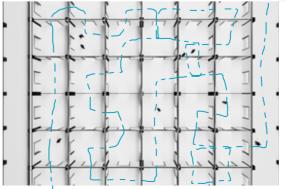
Л 1 Т A. Ν i.

SIX LONG PATHS

Т

36 SMALL SPACES



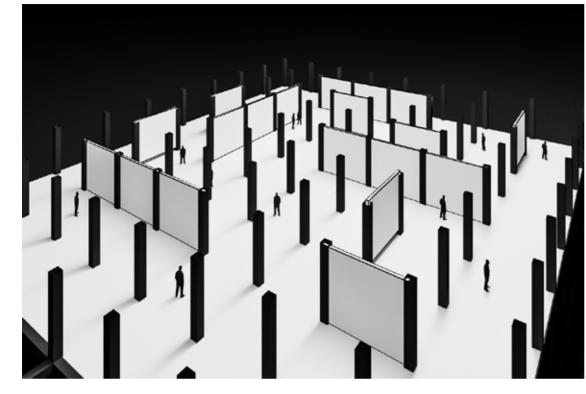




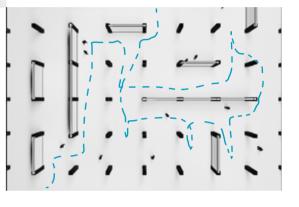


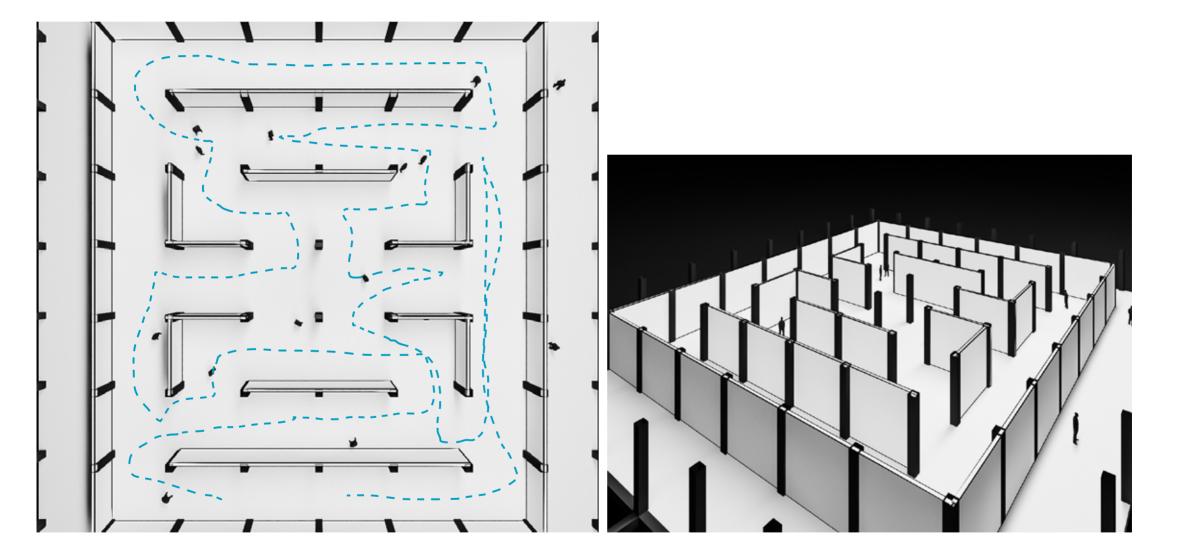


A COUPLE OF WALLS





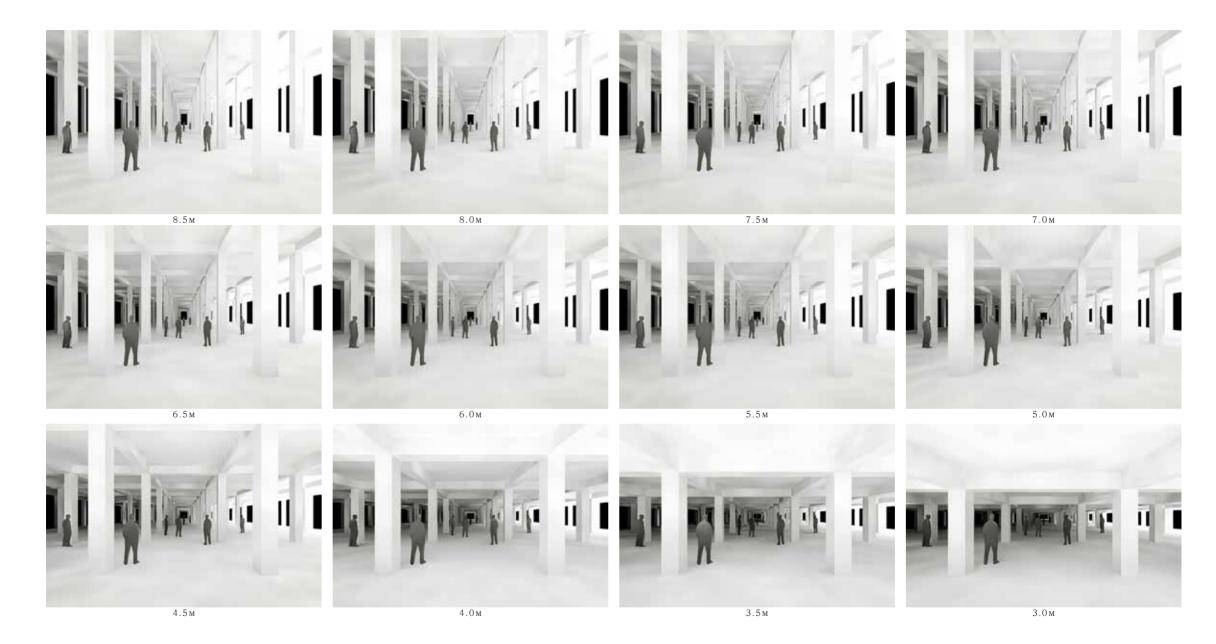






### EXHIBITION SPACE VI

how does the height of the space influence it?

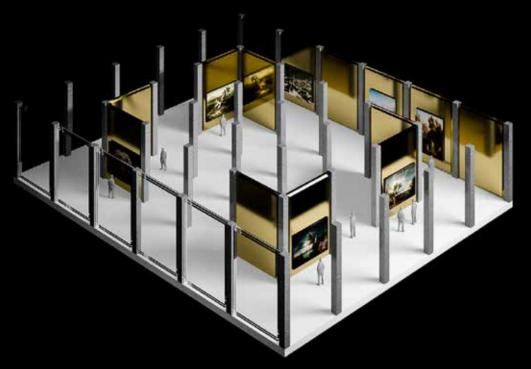


### Objective

How does the height of the exhibition spaces influence it?

### EXHIBITION SPACE VIII

which kind of materality suits the exhibition space?



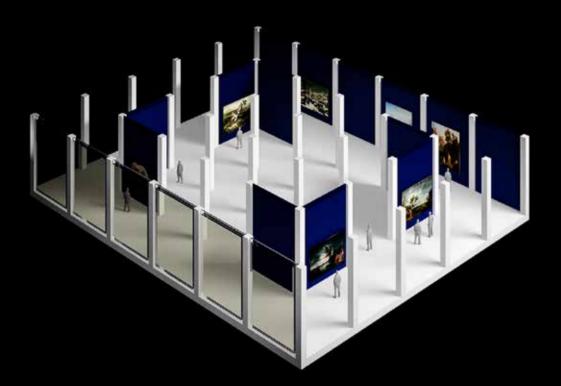
WHITE FLOOR BRASS CLAD PARTITION WALLS ROUGH GREY CONCRETE COLUMNS



MAPLE WOOD FLOOR WHITE PARTITION WALLS ROUGH GREY CONCRETE COLUMNS

#### Objective

What kind of materials could be implemented according to various exhibitions? What is relationship between the emotions of the materials against the emotions of the art in the space?



WHITE FLOOR DEEP SEA BLUE CLOTH PARTITION WALLS WHITE CONCRETE COLUMNS



GREY CONCRETE FLOOR MAPLE WOOD PARTITION WALLS GREY CONCRETE COLUMNS

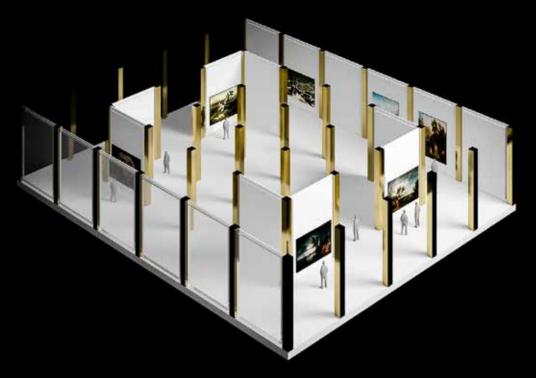


WHITE FLOOR BRUSHED STEEL PARTITION WALLS WHITE COLUMNS

GREY OAK FLOOR MAPLE WOOD PARTITION WALLS GREY CONCRETE COLUMNS



WHITE FLOOR WHITE PARTITION WALLS GREY CONCRETE COLUMNS



WHITE FLOOR WHITE PARTITION WALLS BRASS CLAD CONCRETE COLUMNS



WHITE FLOOR WHITE PARTITION WALLS GREY CONCRETE COLUMNS



WHITE FLOOR WHITE PARTITION WALLS CHROME CLAD CONCRETE COLUMNS



GREY CONCRETE FLOOR GREY PARTITION WALLS GREY CONCRETE COLUMNS



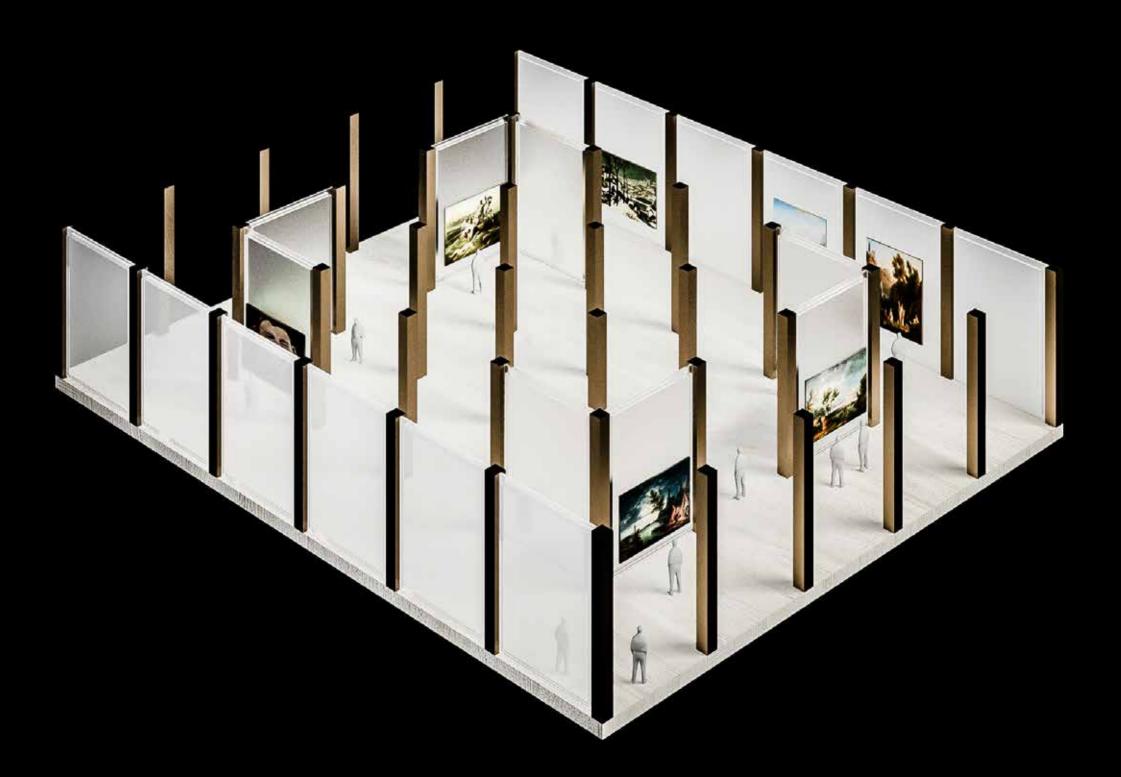
ROUGH GREY CONCRETE FLOOR WHITE PARTITION WALLS GREY CONCRETE COLUMNS



ROUGH GREY CONCRETE FLOOR GREY PARTITION WALLS WHITE CONCRETE COLUMNS



WHITE FLOOR POLISHED COPPER CLAD PARTITION WALLS ROUGH GREY CONCRETE COLUMNS



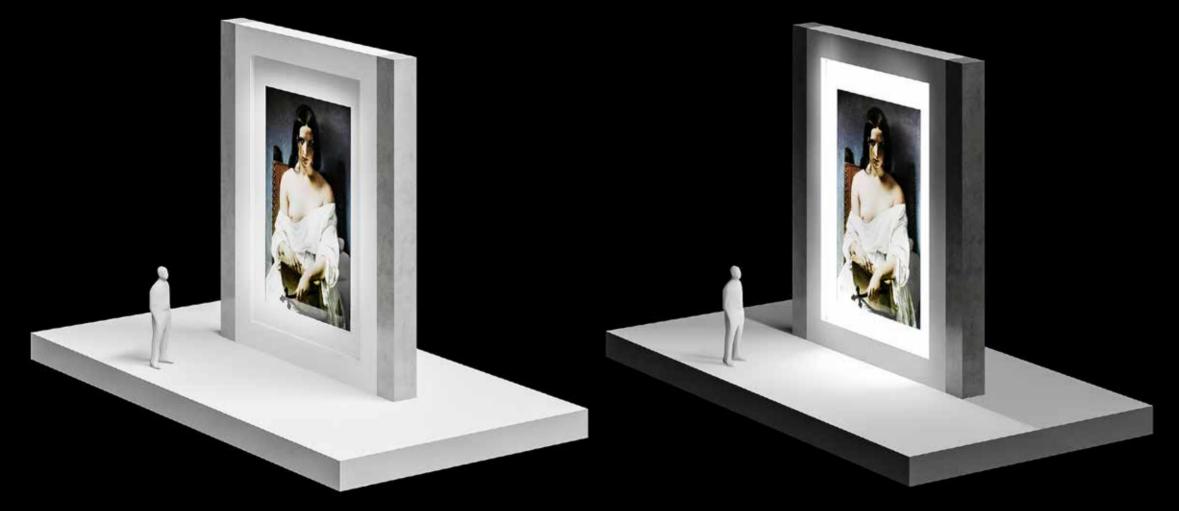
GREY ASH SONOMA OAK FLOOR FROSTED GLASS PARTITION WALLS (INNER) / WHITE PLASTER PARTITION WALLS (OUTER) BRASS CLAD CONCRETE COLUMNS



GREY ASH SONOMA OAK FLOOR FROSTED GLASS PARTITION WALLS (INNER) / WHITE PLASTER PARTITION WALLS (OUTER) BRASS CLAD CONCRETE COLUMNS



the design of passage-ways, lighting, barriers

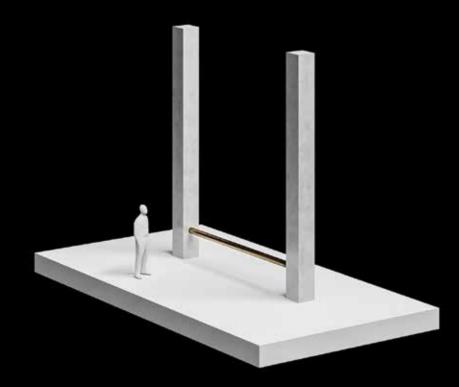


ARTWORK EMBEDDED TO THE WALL, WITH GLASS PROTECTION

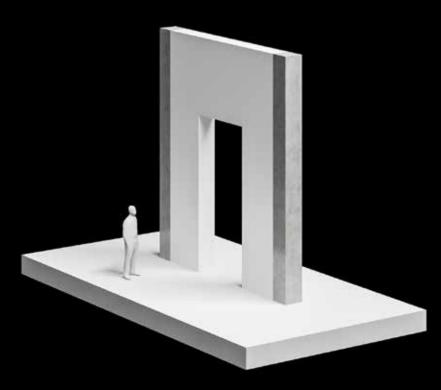
SAME WITH ILLUMINATION

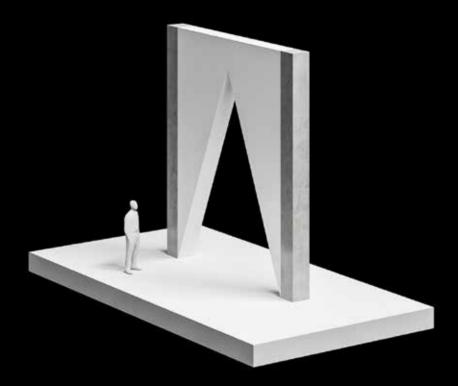
#### Objective

In which ways, can the partition walls be designed, to articulate various usages and functions? To illuminate art-work? To seperate space whilst keeping visual contact? To symbolize passage-ways? To create particular lighting?

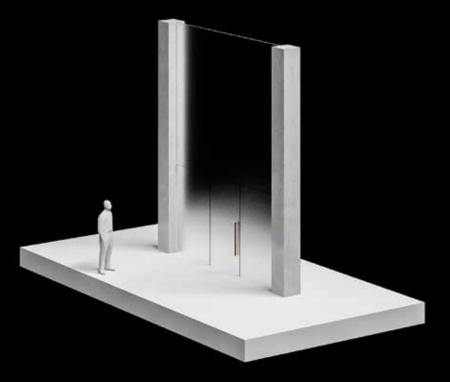


SIMPLE BRASS CYLINDRICAL RAILING

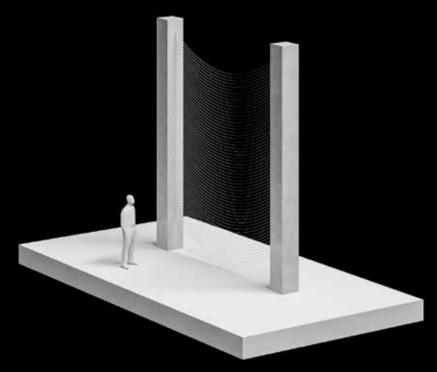




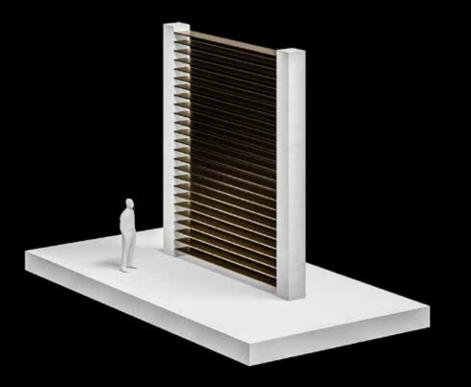
CUSTOM OPENINGS ACCORDING TO EXHIBITION



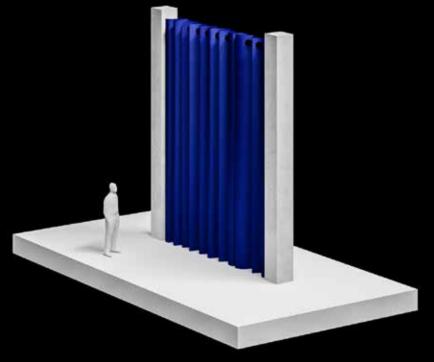
FROSTED GLASS AND DOOR SEPERATION



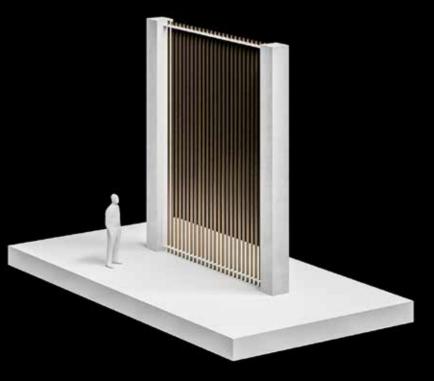
SIMPLE WIRE HANGING



HORIZONTAL BRASS ELEMENTS

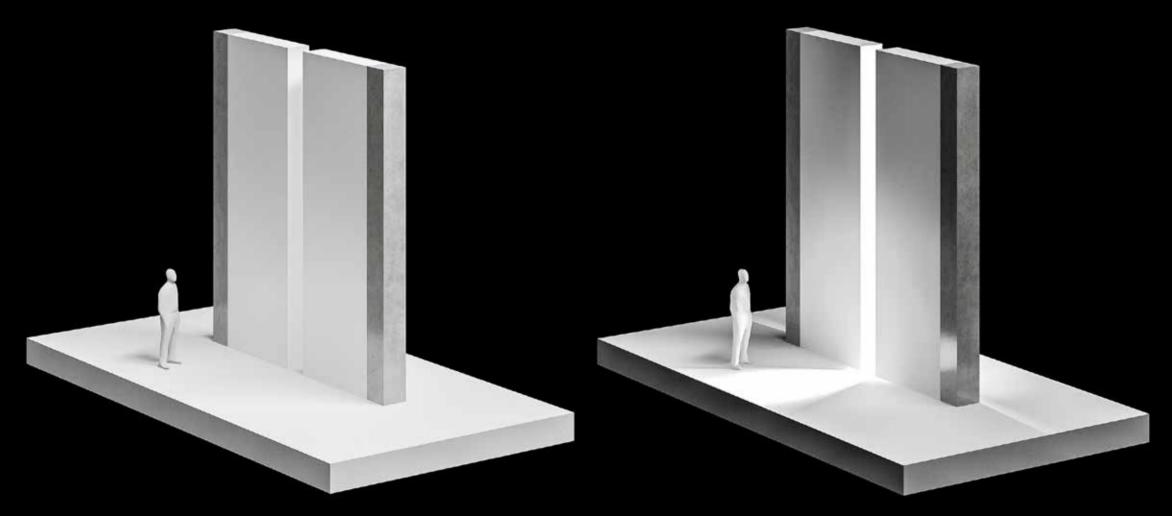


SIMPLE CURTAIN



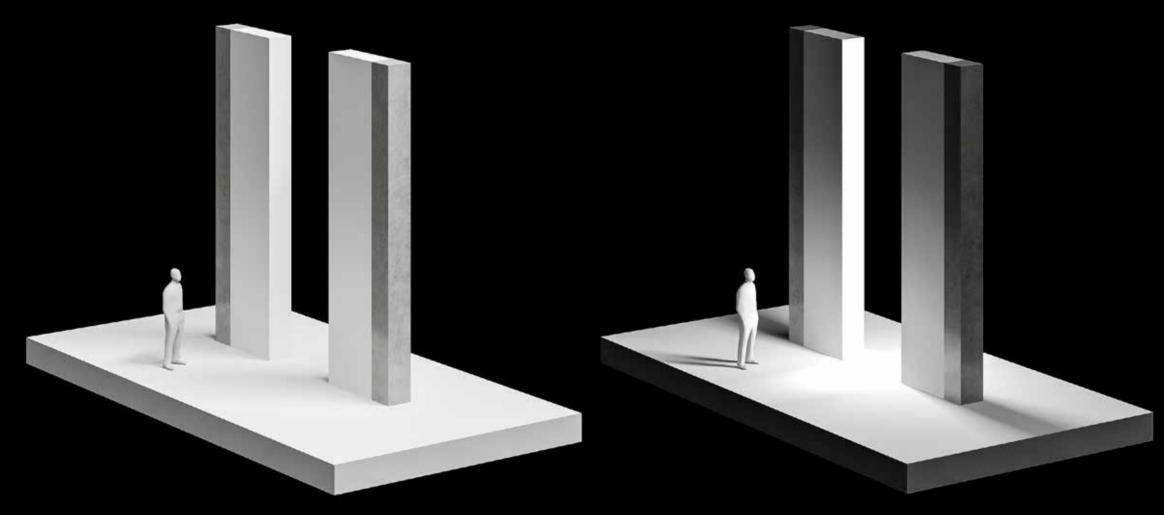
VERTICAL BRASS ELEMENTS





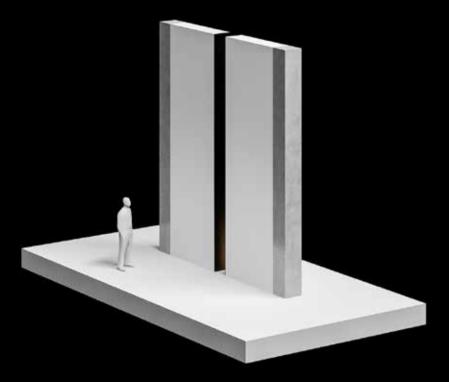
PASSABLE SLIT FOR MINIMAL INTERACTION BEYOND WALL

PASSABLE SLIT USED FOR ILLUMINATION

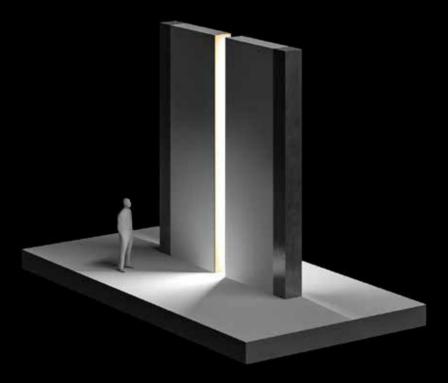


TALL VERTICAL PASSAGE

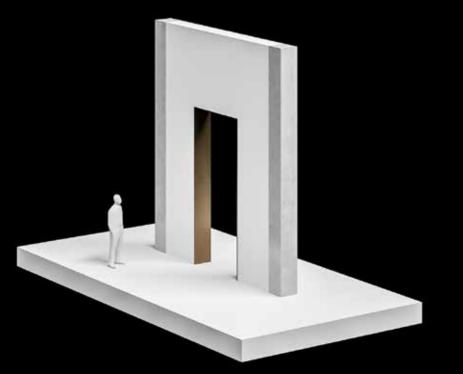
TALL VERTICAL PASSAGE ARTICULATED WITH ILLUMINATION



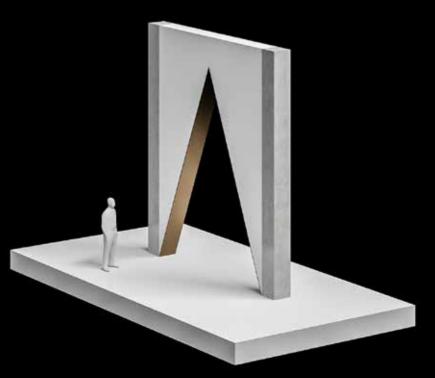
UN-PASSABLE SLIT ARTICULATED WITH BRASS



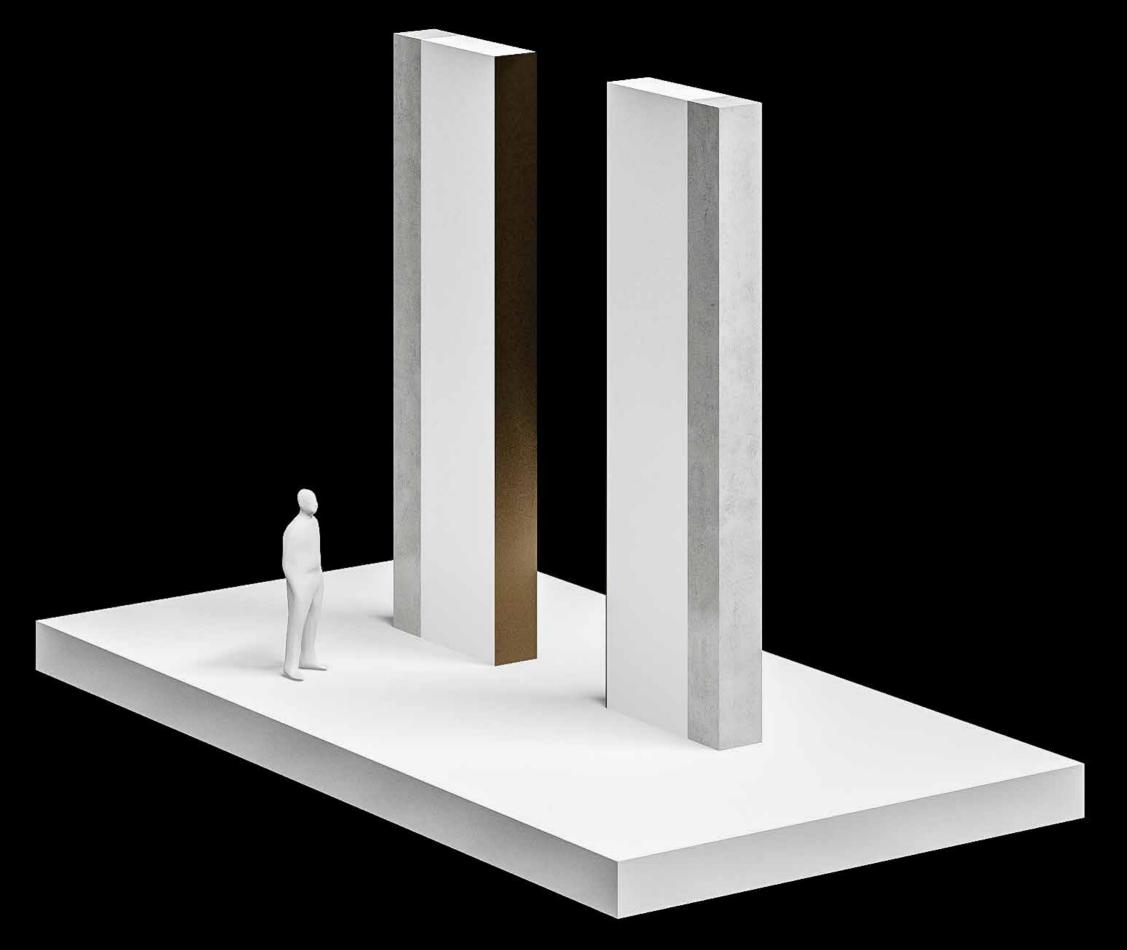
UN-PASSABLE SLIT ARTICULATED WITH BRASS, ILLUMINATED



PASSAGE ARTICULATED WITH BRASS MATERIAL

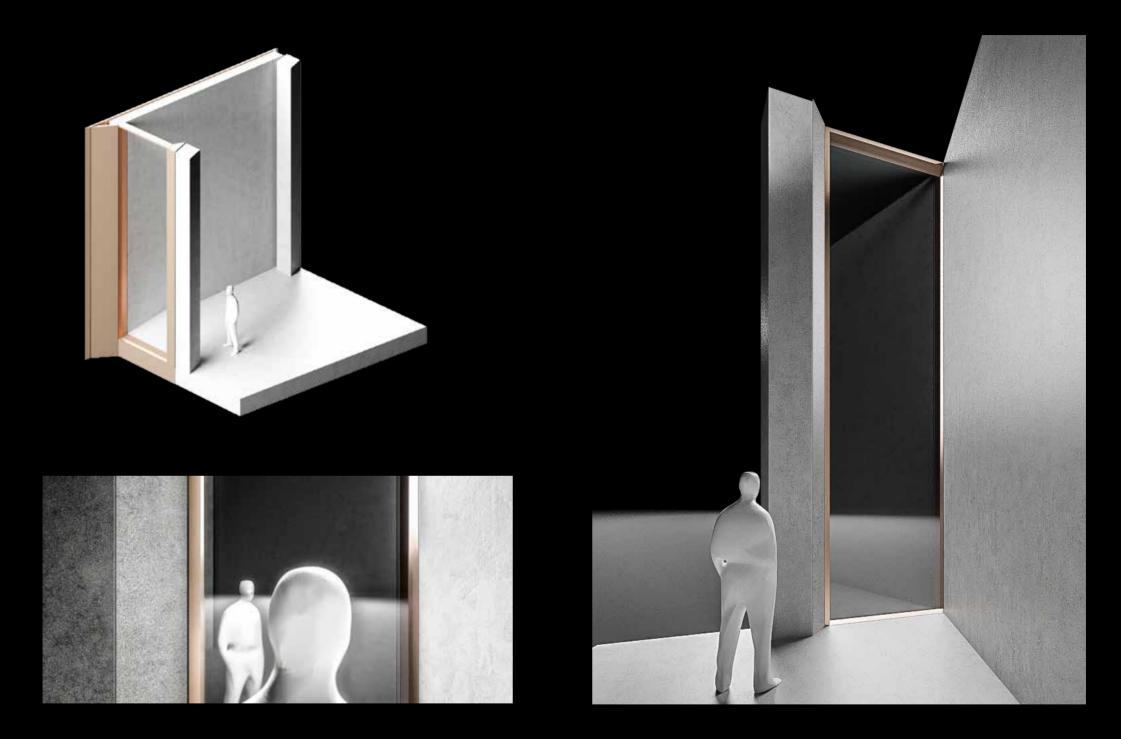


CURTOM OPENING ARTICULATED WITH BRASS MATERIAL



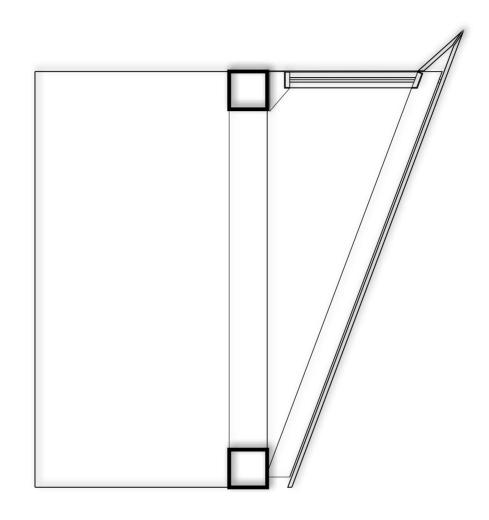
TALL VERTICAL PASSAGE OPENING WITH BRASS ARCITULATION

## FACADE II



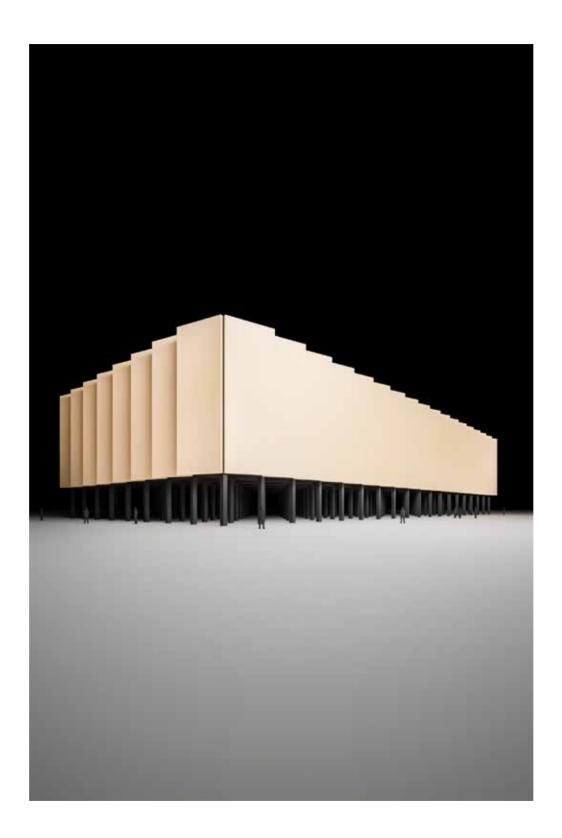
### Objective

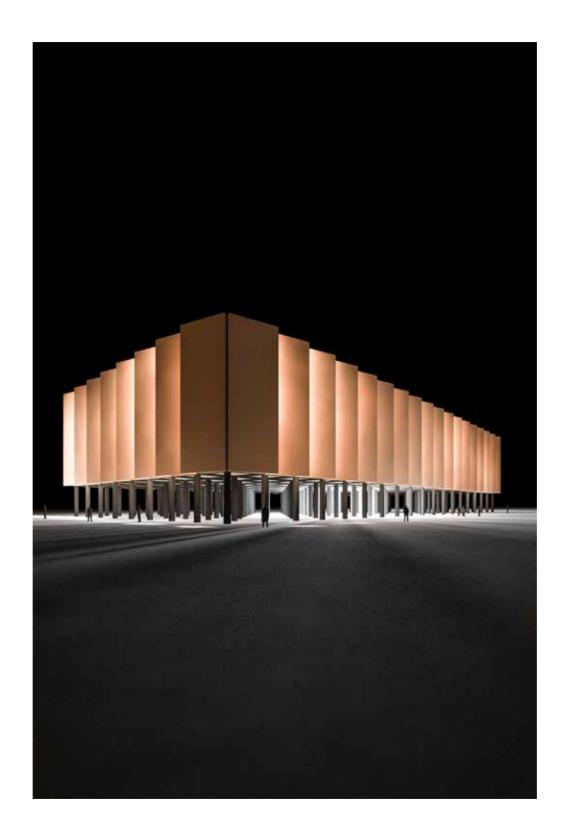
How is one facade element detailed? Where does the border of the window frame go? How do you percieve the facade and window from the inside?

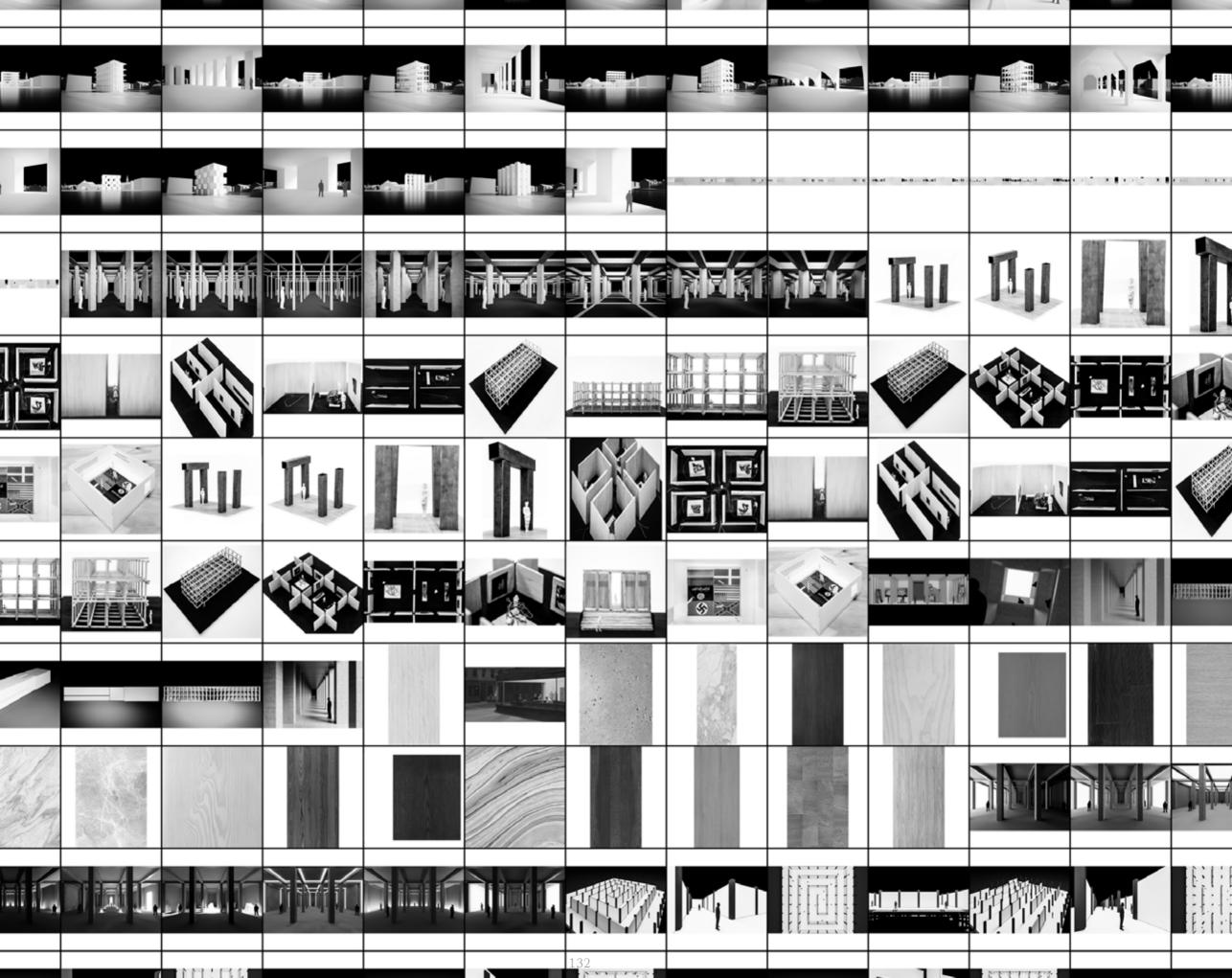


PRINCIPLE SKETCH WINDOW

1:50







### CONCLUSION

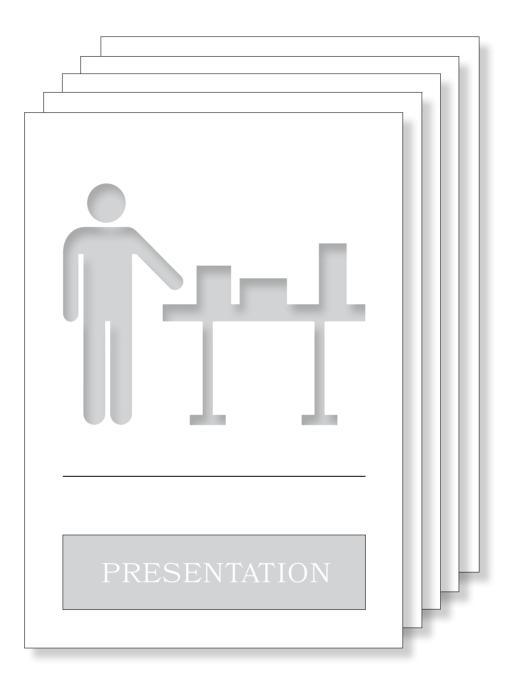
#### DESIGN DEVELOPMENT

structure in the building, the structure has exhibitions to grow in. been chosen on the basis of its ability to cre- Another interesting notion is also that in the ing that the structure is immune to external echo into the other architectural elements. system.

as a museum, creates a condition where sign direction has been chosen, to refrain the column is ever-present, as a constant from very colorful materials, and to possess reminder and indication of scale, and as a more subtle and down-toned material pal-'foundation' to the potential compositions of ette. partition walls within the exhibition space.

In the exploration on the influence of the Its presence works as a kind of mold, for the

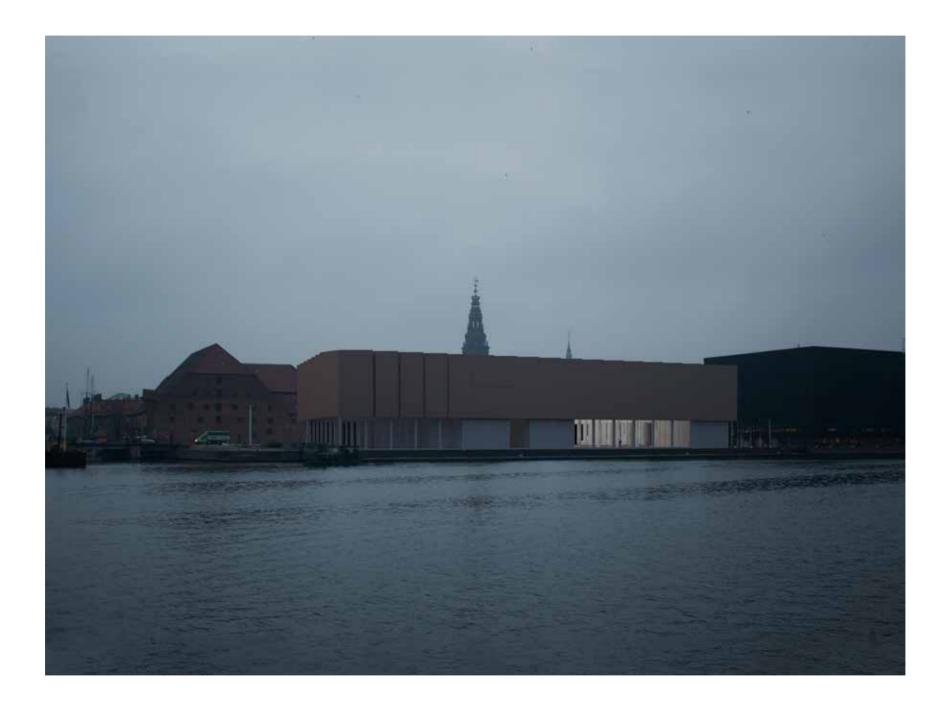
ate a structural system that is incredibly uni- architectural design of the building, the task form - having the same length of spans and was always to try and fit the other architecdimensions of beams and columns. This is a tural elements within this grid of concrete – response to the understanding of a so-called the stairs, elevators, the windows etc. And blast-resistant structural system. Not claim- by that, the scale of the grid manages to blasts, but that the notion of it being 'over-di- In the selection of materials, the governing mensioned', creates a very viable structural predicament has always been: "How does the emotions of the materials of the space The structure's influence on the building interact with the potential art?" - Here a de-

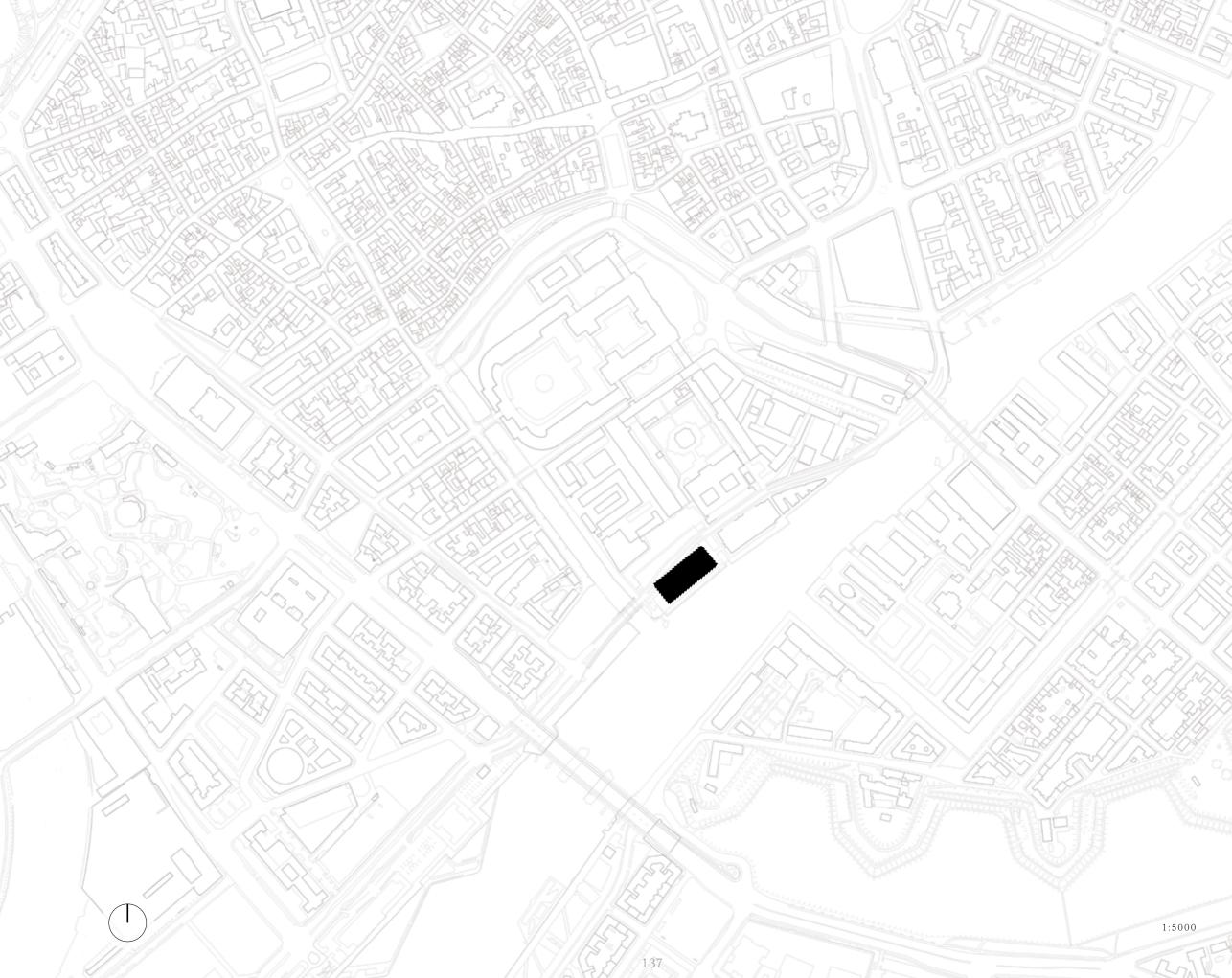


# 5

## PRESENTATION

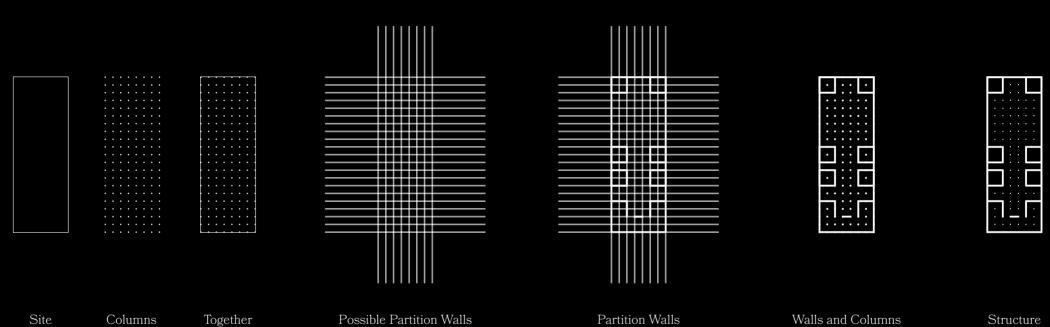
The final main chapter is the Presentation of the project. The structure of this chapter is initiated with an explanation of the spatial concept of the exhibition spaces. Then from a big scale showing the building from outside and gradually moving into the interiors of the building, with descriptions, drawings and visualizations.





### PLAN

anatomy of the plan

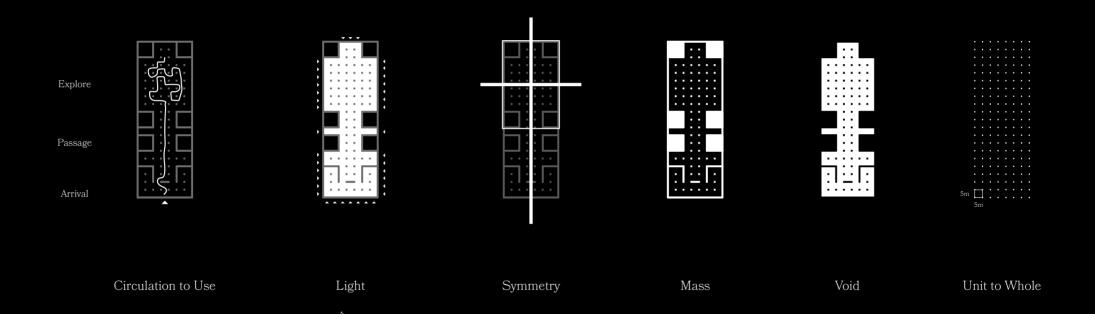


Possible Partition Walls

Partition Walls

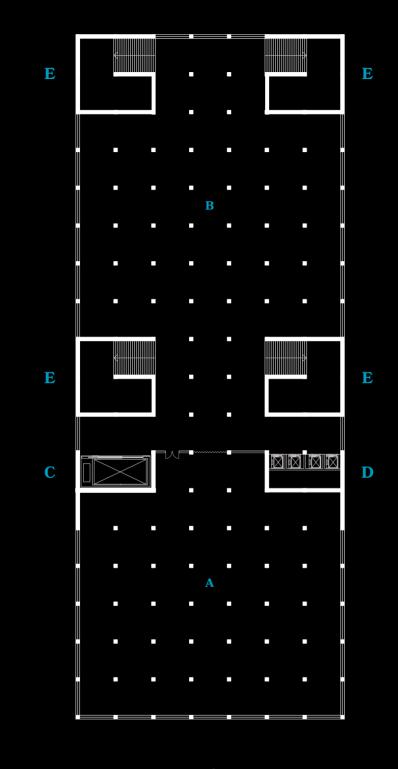
Walls and Columns

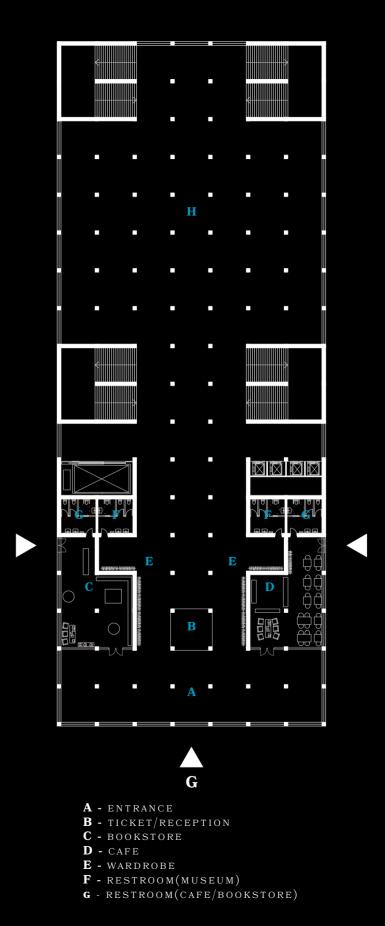
Structure





PLAN

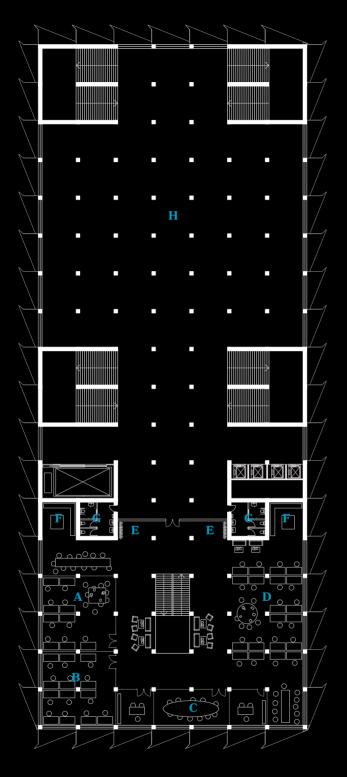






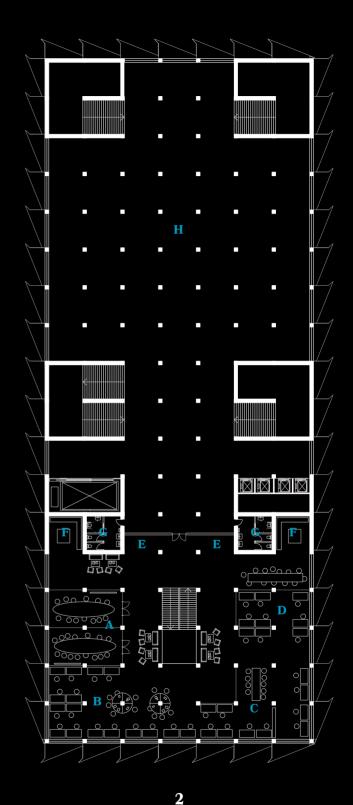
A - STORAGE
B - EXHIBITION
C - FREIGHT ELEVATOR
D - ELEVATOR
C - STAIRS

5 10



1

- ${f A}$  shared art preparation/conservation studio
- ${\bf B}$  multi functional class & event room
- $\boldsymbol{C}$  office for curatorial- & exhibition design
- $\boldsymbol{D}$  OFFICE FOR ADMINISTRATION
- **E** WARDROBE
- **F** KITCHENETTE
- **G** RESTROOM(PUBLIC/EMPLOYEE)
- ${\boldsymbol{H}}$  exhibition



#### A - CONFERENCE

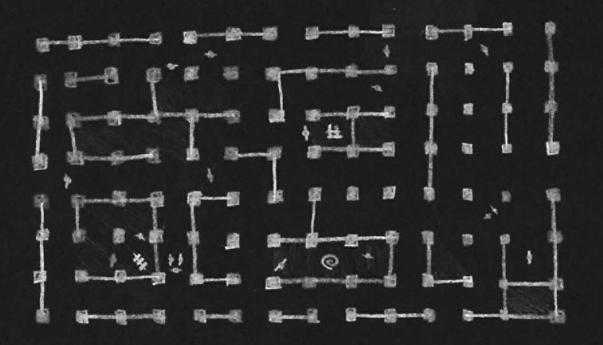
- **B** MARKETING & DEVELOPMENT OFFICES
- C DEPARTMENT HEAD OFFICES
- ${\boldsymbol{D}}$  technician office
- **E** WARDROBE
- ${f F}$  KITCHENETTE
- **G** RESTROOM(PUBLIC/EMPLOYEE)

1:500

 ${f H}$  - EXHIBITION

### SPATIAL CONCEPT

the concept of the space of the exhibition

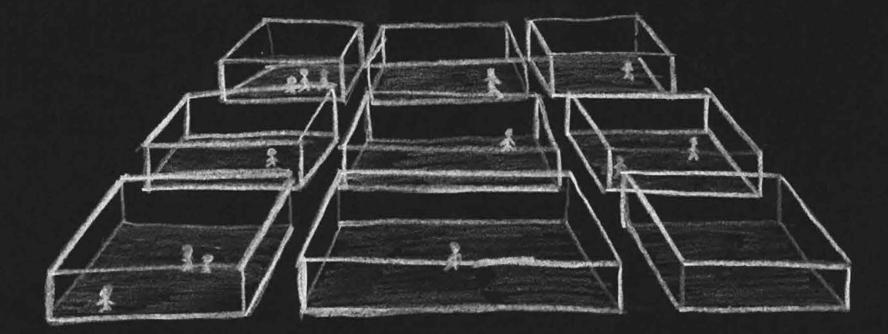


#### The Maze in its Purest

#### The concept derives from two reactions/intentions.

### (1)

The archetypical 'Open Floor Gallery' where a user enters the space, and within a few seconds perceives the entire space. I'd like a space, where the opposite is produced. Where you can are being withheld from experiencing the art, until you are close to it. Like in a movie, you experience it scene by scene, and not by suddenly seeing all the scenes simultaneously from a distance. You are being fed the art, slowly so that you are able to digest it 1 by 1.

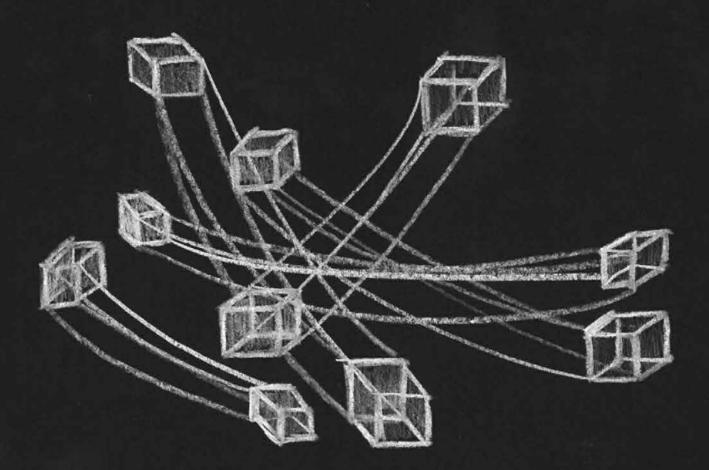


The Abstraction of The Maze

### (2)

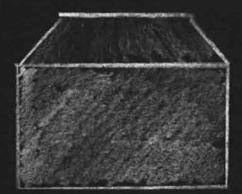
The maze has the incredible ability, to distort your sense of direction and location. But this is for practical reasons, not directly useful in a museum, because it might produce a very negative experience. But you can imitate a maze, by presenting the same space, over and over again. And by not making different spaces for different places, and by not make recognizable "landmarks" in the space. You might produce a reaction where the user to some extent, loses their sense of direction / location.

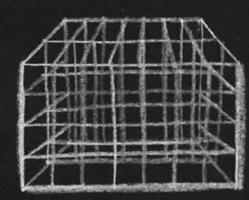
The reason I think this is interesting, refers back to the research of museum behavior, where we learn that users focus both on the narrative of the exhibition, and the path of their movement of the exhibition. And my hypothesis is, that if you restrain users from stop focusing too much on their movement, or on architectural "specialties" – then they might direct their focus on the art instead. It is a position, where the architecture takes a step back, and allows the art to take the attention of the user, in a humble way.

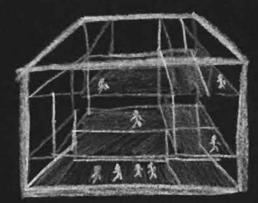


### From Box to Box to Box to Box.

The idea is to generate a very static sequence of space. Where the feeling of moving around the space, feels like moving from a box, to a box, to a box, to a box. In that, there is a sense of a very fluid movement, where the exact order and sequence is not that important, but what is of upmost importance, is what the space contains.







#### The Maze

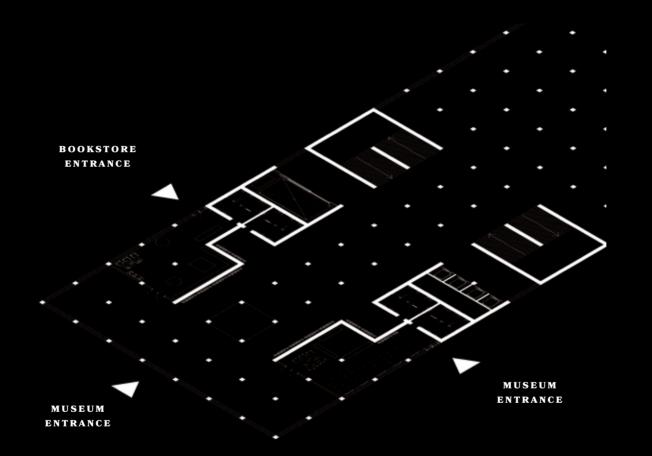
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#### (1)

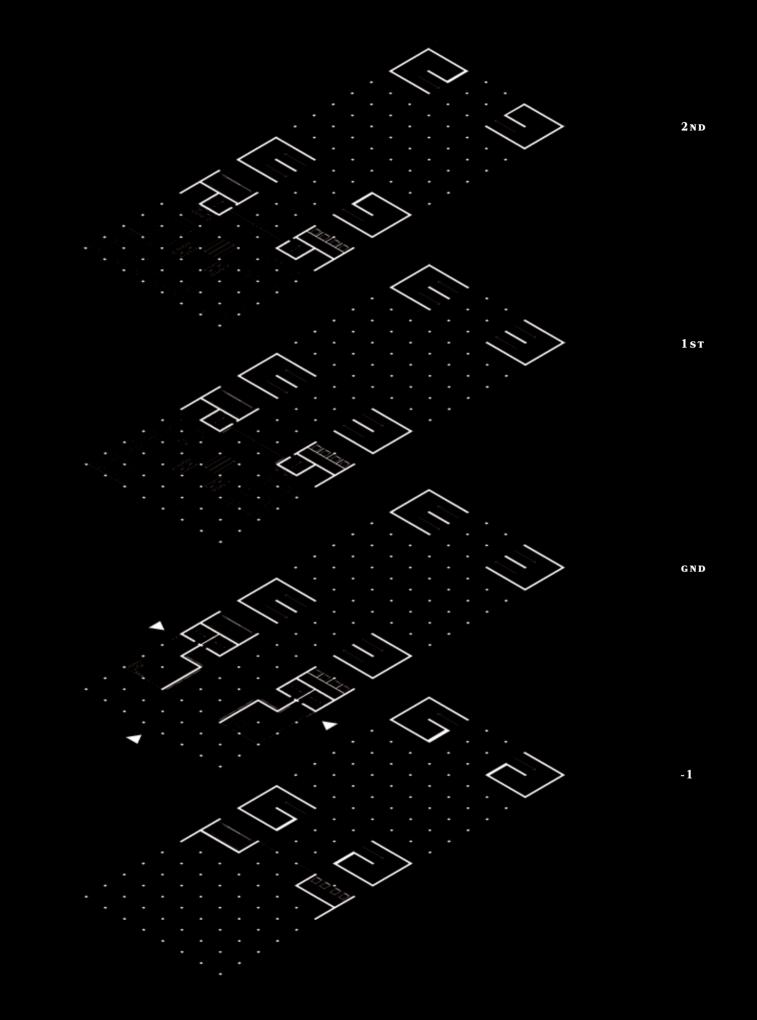
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## ENTRANCE

location of entrances

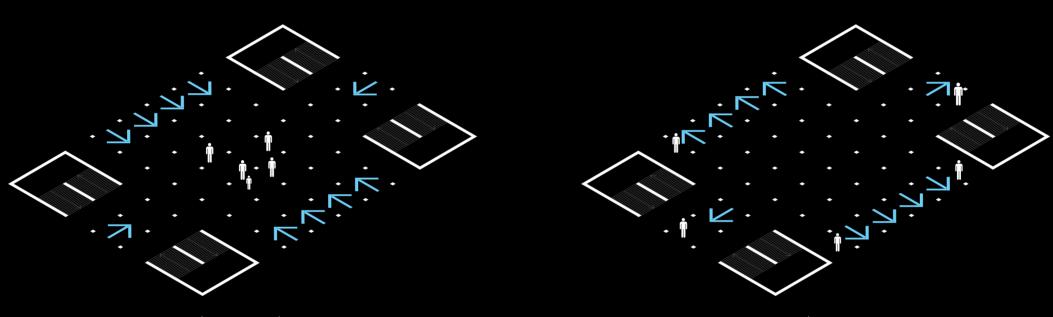


The building offers 3 entrances, one main entrance for direct museum goers which is located in the south west end of the building, towards the new BLOX building. In the entrance lobby guests will find the reception for purchasing tickets, wardrobe for their clothes etc. There are two secondary entrance to the Bookstore and to the Museum Café, this is to allow these two to be open outside of the museums opening hours.



## EXHIBITION LAYOUT

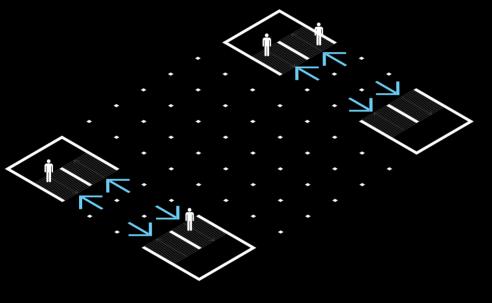
movement in gallery space versus activity



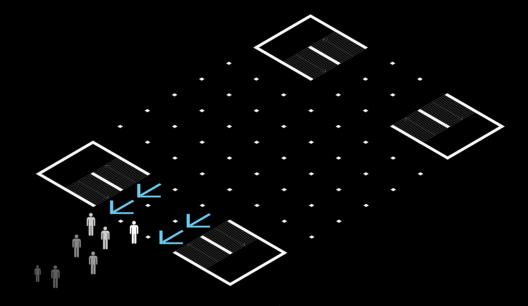
ENGAGE / INTERACT / EXPLORE

RELAX / REFLECT

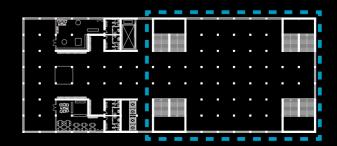
The designated exhibition space follows a very simple anatomy. The main concept is, as mentioned before in the explanation of the Spatial Concept, that there are no real paths to follow except for the one that the art/exhibition might design. In order to engage with the art, users are to move inwards and move between the compositions of columns and partition walls and art. By taking an outward direction from the exhibition areas center, people can retreat



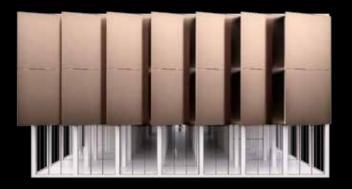
PROGRESS



ESCAPE / STOP



# FACADE

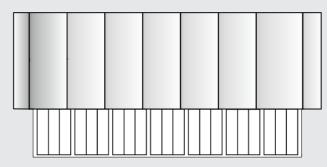




The geometry of the polished copper clad façade, creates a very diverse visual expression, changing its sense of depth and opening according to where it is perceived from. This condition is not present in the perspective-less facade drawings.

NORTH EAST

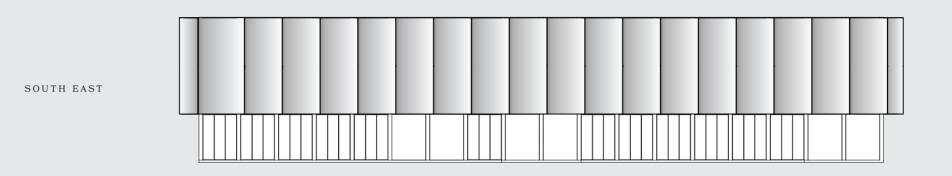
SOUTH WEST



# FACADE







NORTH WEST

5 10 15

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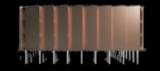




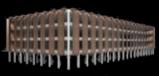




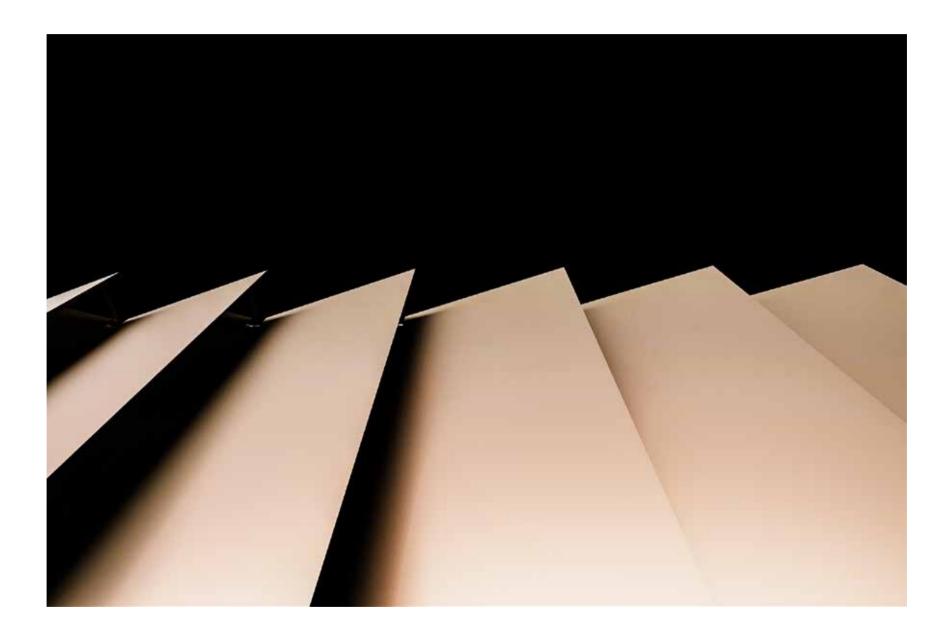


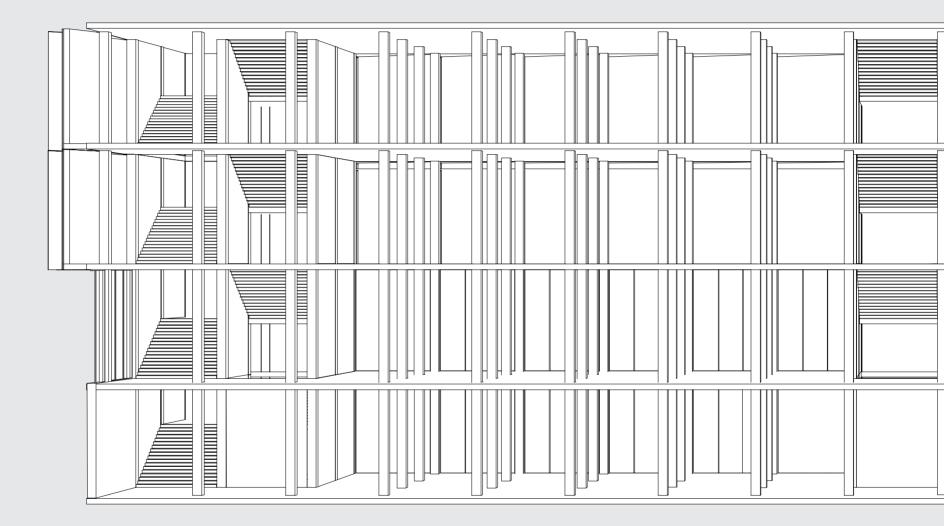


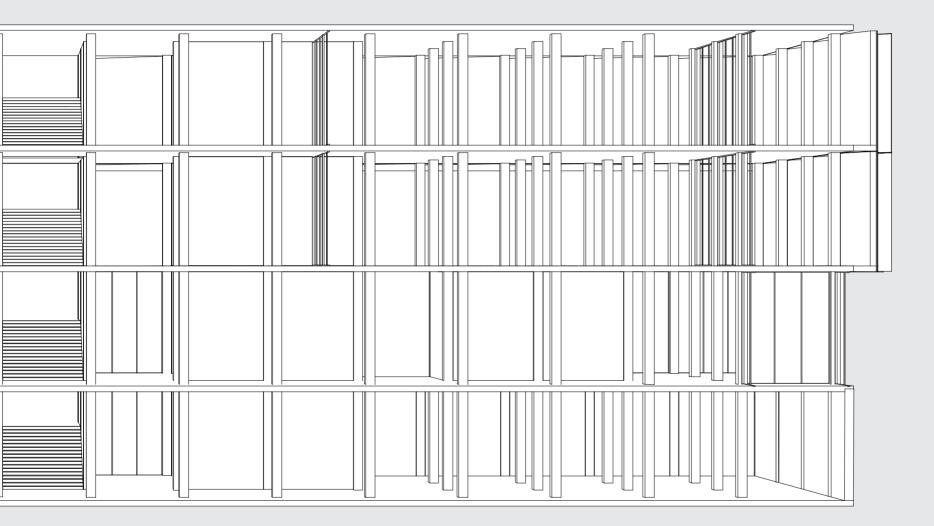




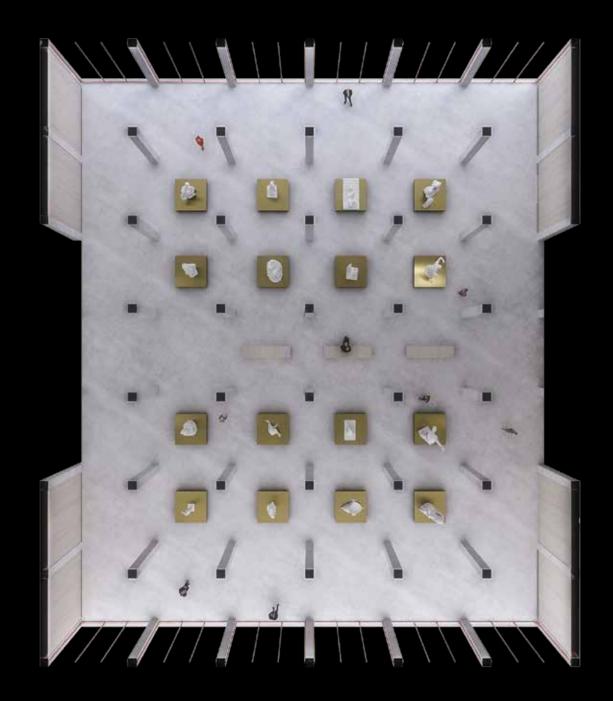
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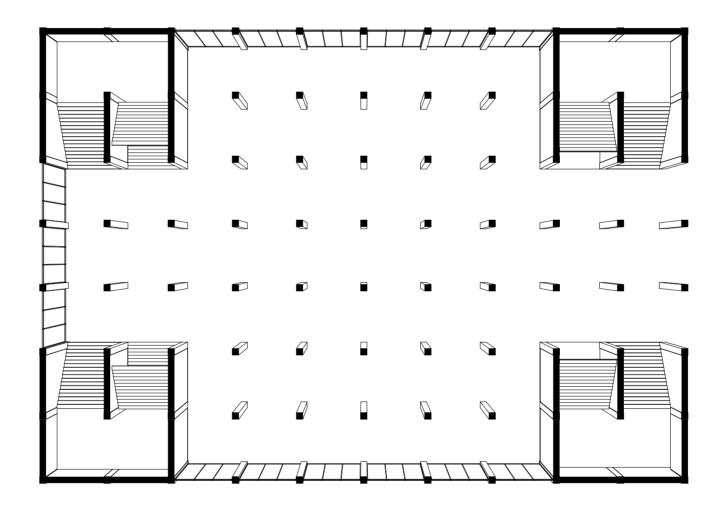






# EXHIBITION LAYOUT

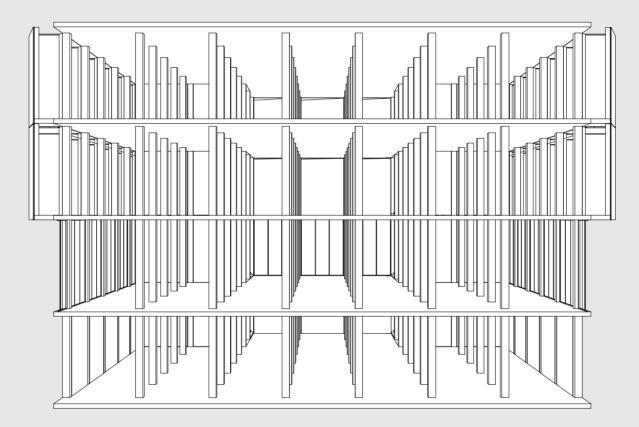




The Tabula rasa-ish format of the exhibition spaces.

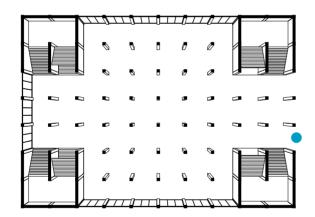


Despite its repetitive nature. The museum offers a basement level, which is devoid of natural light. A ground level that offers natural light. And two levels above where the dominant light source will be artificial, as the façade at these levels are more closed.



# STAIRS

When entering the exhibition space, visitors are firstly introduced to stairs of the building. These big wide stairs offers mobility to the many users moving across the exhibition floors. Potentially the stair areas could also be utilized as exhibition areas, offering a minimum of 4 meters of free height, and plenty of space.



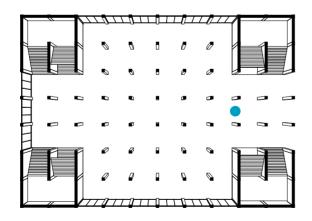




# FIRST

The first exhibition space the visitors will encounter is the natural lit space, although it is common for artists to prefer artificial light, it does provide the opportunity for other artists, whom are not prone to this, to let the natural light engage with their art, and for the city outside of the museum to have a view of the inside of the building.

The materials of the space, and in general for the building, is polished concrete flooring, with far-faced concrete columns, in mild grey tones. And the lowered ceiling is a simple gypsum with stucco lustro finish.















# S E C O N D

On the second floor, artificial lighting is mostly present. In this scenario a composition of 5 long walls have been set up. The initial orientation of the building has been lost, since the visual connection to the perimeter of the building, and to the stairs have been blocked.

But visitors will still be aware, that they can move towards the perimeter or the edges of the exhibition space to progress further. The perimeter of the exhibition spaces on the first and second floors. Here a view of the outside is offered and an integrated resting place. And a clear shift from natural to artifical light.



Here a more maze like setup. The shadowgaps between the flooring/columns and the partition walls, are a testimony to the plug n' play/flexible nature of the exhibition space.





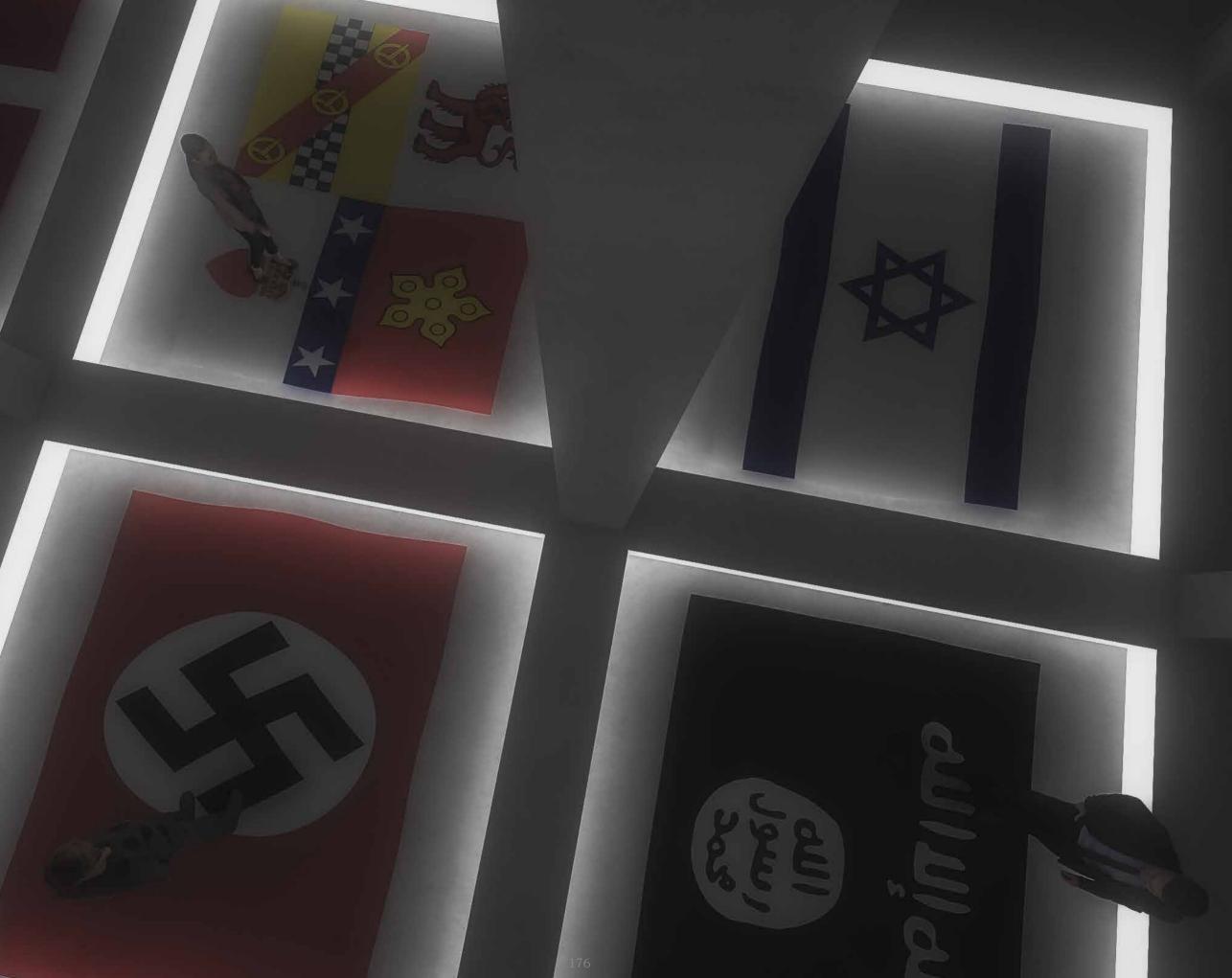
## BASEMENT

The underground part of the exhibition area is where the design of the artificial lighting strategies has the greatest potential. It is likewise the most introvert space, being totally neglected of visual contact to the outside.

Is this exhibition area, 'The Flag Exhibition' is presented. The Flag Exhibition was one of the first ideas exploring what a museum about freedom of speech and censorship could tell. Various flags representing different ideologies and ideas a submerged beneath a glass panel, where the user is forced to step upon them, in order to fully see them. The exhibition discusses how the peculiar nature of how 'stepping on a flag' is an offensive action. This sparks an inner-dialogue on the user, on whether the person is opposed or inclined to step on a flag.









## PALETTE OF MATERIALS

## ASH WOOD

The greyish ash wood is the material most often used as partition walls of the building, which are not directly part of the exhibition. The partition walls of the exhibition ought to refrain from utilizing this material, as it works as a visual indicator of the location of the stairs and the rest of the museum building.

This material is also utilized in the employee-zone of the museum building.

## CONCRETE

The far-faced concrete is used both as flooring material, and material of the concrete columns within the building. The material has a subtle texture, giving an ever-present sense of scale to the exhibition area, but is very toned out and grey, in order to let the colors of the artwork become more dominant. The material also possesses great durability and strength in relation to wear and tear of the floor, and the transport of heavy objects on it.

## COPPER

The copper is treated in order to refrain from oxidation. It is present in the façade panels of the building, and the window frames. The copper is relateable to the historic usage of copper cladding on roof, which is very present in the area of the site. It brings a warmth, the same color tone and warmth that both the Frederik IV's bryghus and Tøjhusmuseet and The Jewish Museum's red brick façade.

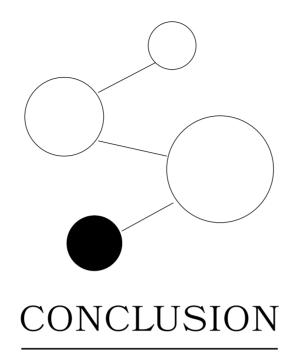


### GYPSUM

The lowered ceiling which consists of gypsum, is treating with marble-powder technique and finish called Stucco Lustro, this provides in conjunction with the concrete, a subtle finish and glossiness to the material. It has been the governing ideas of the material palette of the interior of the building, to present itself with a very subtle and almost colorless material palette, but still prone to a richness of reflectivity and texture.



# 7 EPILOGUE



The most profound inquiry that the museum Nevertheless, what the museum can provide establish a comparison with this museum, tween artistic experience and architectural speech and censorship?

not as a "wild west" where anything can be whom are opposed to their views. told and shown.

dishes. And it is the hypothesis of the author treat these mechanisms in society. that this relationship, firstly has to be de-

poses is, how can architecture frame the al- to this relationship, is a highly flexible exhi- and museums like Guggenheim New York, experience. It is the hypothesis of the author, most apocalyptic dimensions of freedom of bition setup, with a governing art institution, or Lousiana in Copenhagen, or Pompidou that this is the fundamental attribute that a in an urban and architectural context with in Paris.

a very high degree of safety. This focus on The museum, with its knowledge of the in- safety, is a direct response to the fact that There is a clear trend, that the intention is tecture secondary. fluence and importance of censorship and artist that explore freedom of speech (Ai Wei also to make the building a piece of art and freedom of speech, is meant as a neutral Wei, Charlie Hebdo, Kurt Westergaard etc.) the movement around it a carefully orchesground, where this discussion can grow, and are pressured by institutions and groups trated sequence of rich and diverse architec- that perhaps the focus of architecture, is not

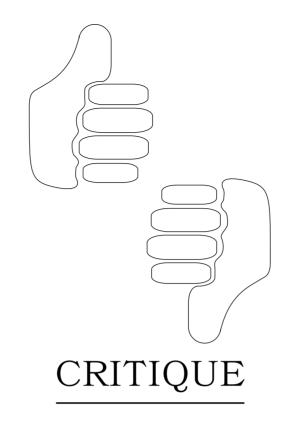
There is a crucial importance in noting, that But this museum is very unlike this. There is The difference between these two is very the museum ought not to provide absolute a clear axiality as you progress towards the fine and delicate, but it is up to the artist's answers, metaphorically it is more like a exhibition area. There is a lot of uniformity discretion to explore this. As a metaphor, it ruler, that shows both ends of scale, and by in the architecture, and the system or path is the architecture that defines the restau- which users can use to relation to their own of experiencing this museum is very clear rant, but it is up to the artists to create the personal views and how a society ought to (presentation: exhibition layout).

tural experiences.

The museum takes a stance, and puts the fined, in order to fully comprehend what the Regardless of museum's two main subject. obligation of creating visual and spatial exsignificance of a Museums of Censorship The museum also proposes a more content periences onto the art. And maintains a and Freedom of Speech could do to society. focused spatial composition. If one were to more humble presence in the mixture be-

good museum ought to create. An environment where the art is primary, and the archi-

The museum is also an extension of the idea purely what the architecture is, but what the architecture can produce.



### FREEDOM OF SPEECH

true, although a counter-argument might be, than a museum/artist? "what is the value of provoking?" - Because during the course of history, ideas have always been challenged, from creationism to **DESIGN** Marxism etc. Provocation has always had Urban: The art loading dock for trucks and a present role in modernist art. The ability couriers etc. are supposed to enter through to challenge cultural ideas or power estab- an underground tunnel directly down in to lishment are a natural component in the pro- the basement of the museum. This is to free gression of human history.

knowledge there is not a museum today that car-driving employees of the museum. This behind the stair and elevator shafts. It is the emphasizes on censorship and/or freedom has not been detailed. of speech. Yet there are so many artists, local as well as international, and critically-ac- Ventilation: In order to maintain a stable temclaimed artist whom work with subjects like perature in these exhibition spaces, there is age systems. This has not been detailed furtaboo, censorship, freedom of speech, free- a strong necessity for extensive ventilation. then dom etc.

"why provoke?" Even though you have the tution, to start taking a political and societal plore further, one is a lowered ceiling where- is to minimize the amount of natural light, in freedom to express yourself, it doesn't mean approach towards that which is really hard in the ventilation ducts could be placed. An- order to preserve and protect the art work you have to express yourself. And this is to communicate? And whom can do it better other option is a product called Holedeck as much as possible. The current façade of

as much traffic in the city level as possible. Furthermore an underground parking facil-What I find most striking is also that, to my ity should be implemented into this for the

A common argument against this idea, is Perhaps there is a need for a cultural insti- There are currently to design options to ex- Lighting: The typical demand for museums and electrical wiring into the floor slab.

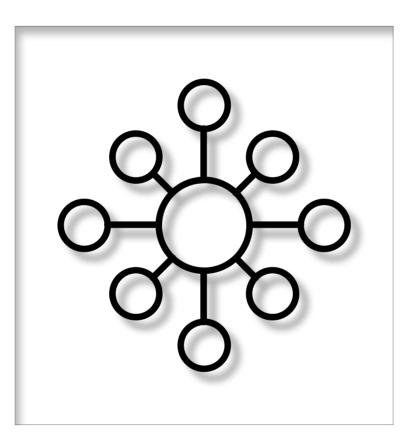
> ond floor. The copper-clad facade elements be to implemented in the angle and amount are present all the way around the building to create the hole for the window frame and ever, these panels are also present on parts of the façade which have no windows, but intention that behind these facade-flaps are not windows (obviously), but space for ventilation suction and exhaust, and water drain-

> (http://holedeck.com/) which is a waffle grid the museum does not completely block of dislab system, which implements ventilation rect sunlight but allows a minimal amount in the early morning, and very late evening. If it is the ambition to completely block off di-Facade: For the facade on the first and sec- rect natural lighting, a further detailing has of 'openness' the current facade holds, in order to acquire this. With further implemento create diffuse light into the building. How- tation of UV protective layering/coating of the glass.

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1	APPENDIX				
1	STRUCTURAL CAPABILITY				

# APPENDIX: STRUCTURE

### CRITERIA

The first thing to address is what criteria is there for the structure? The Danish Building regulation (BR) stipulates that the construction of a building, must be found "satisfactory" in regards to its functional, safety, durability and health regarding aspects. (4.1, Stk.1, BR 2016) and that building constructions should be dimensioned in order to withstand the normal occurring static and dynamic influences. (4.1, Stk.2, BR 2016)

### Terrorism

The technical focus of this project is to implement terror mitigation measures to the structure of the building. Currently, the Danish Building Regulation does not address the topic of terror mitigation. Based on a literature study of DS/INF 146 – 'Background and Principles Guidance 2003' and 'Primer for Design of Commercial Buildings to Mitigate Terrorist Attacks' by FEMA. U.S. Department of Homeland Security, the following principle guidelines have been extract as a prerequisites for the structure.

### DS/INF 146 EXTRACTS:

- Implementation of Seriel/Parallel Structural Systems
- Overdimensioning, beyond safety factors etc.
- An acceptable degree of collapse in case of loss of key structural elements
- Insitu Casting, for its structural capabilities in horizontal and vertical direction
- Safety and Quality Ensurance during Construction
- 'Harmoni' (uniformity) A minimal variety in span lengths in the entire structural system, contributes to Robustness.
- Solidity
- Alternate Load Paths
- Appropiate Reinforcement of Structural Elements

Extracts DS/INF 146.

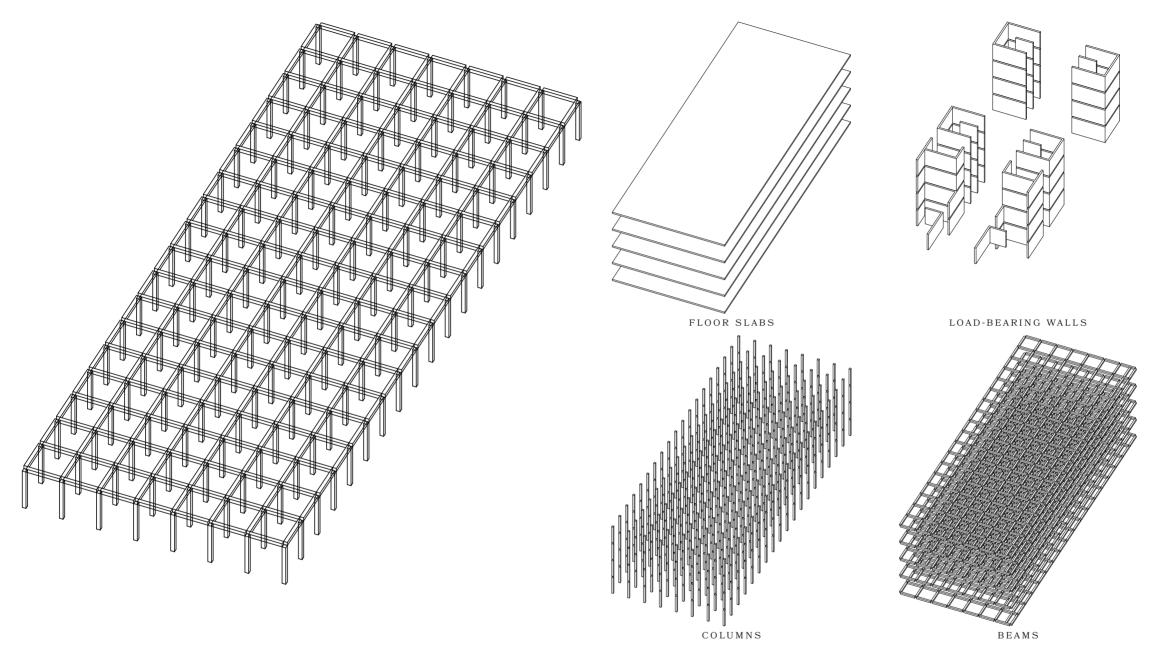
### FEMA, PRIMER FOR DESIGN.. EXTRACTS:

- Of all the possible scenarios of attacks. The Car Bomb is the most important casestudy to consider. An External Explosion upon the facade and structure.
- Prevention of Structural Progressive Collapse.
- To have a balanced design, both physical and operational security measures need to be implemented in the facility. Architects and engineers can contribute to an effective physical security system, which augments and facilitates the operational security functions
- Site Design, can mitigate the possibility of attacks, which is equally as important as mitigating the attack.
- Building Form/Shape can accentuate and relieve explosions.
- The reflected pressure on the surface of a circular building is less intense than on a flat building.
- ..Simple geometries and minimal ornamentation (which may become flying debris during an explosion) are recommended.
- ...If ornamentation is used, it is preferable to use lightweight materials such as timber or plastic, which are less likely than brick, stone, or metal to become lethal projectiles in the event of an explosion.

- Interior courtyards or atriums are other concepts for bringing light and a natural setting to the building without adding vulnerable openings to the exterior.
- Use an implicit design approach that incorporates measures to increase the overall robustness of the structure..
- Mass. Lightweight construction is unsuitable for providing air-blast resistance. For example, a building with steel deck (without concrete fill) roof construction will have little air-blast resistance.
- Shear Capacity. Primary members and/or their connections should ensure that flexural capacity is achieved prior to shear failure. Avoiding brittle shear failure significantly increases the structure's ability to absorb energy.
- In bearing-wall systems that rely primarily on interior cross-walls, interior longitudinal walls should be periodically spaced to enhance stability and to control the lateral progression of damage.

Extracts from FEMA U.S. Department of Homeland Security, Primer for Design of Commercial Buildings to Mitigate Terrorist Attacks. (FEMA, 2013)

# **APPENDIX: STRUCTURE**



TWO WAY SLABS WITH BEAMS

### DESCRIPTION

### One Floor

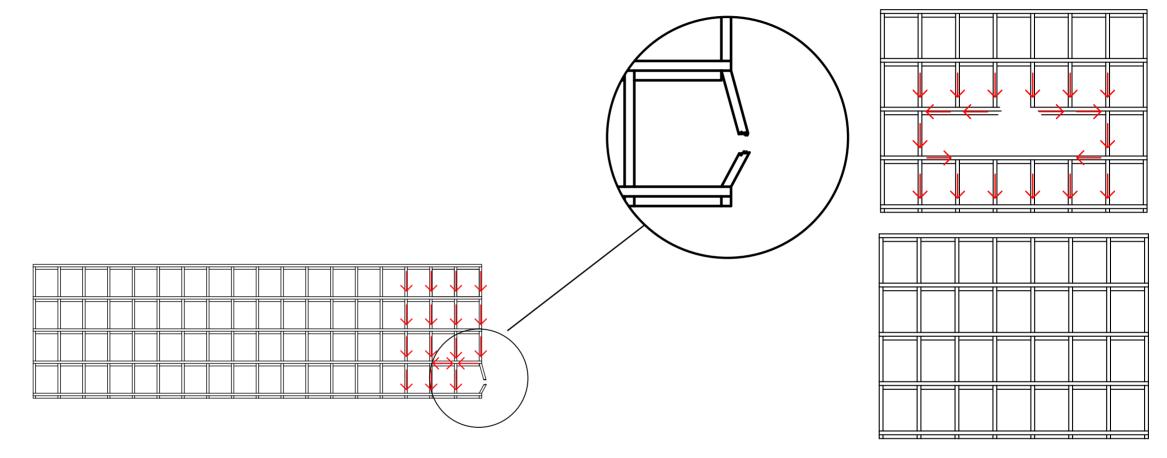
medium spans, and heavy loads. The in- a lowered ceiling. And the mechanical sysvorable for resisting lateral loads. Also the lowered ceiling. beam and column connection, provide mo-

The structural setup is comprised of con- ment resistance which increases lateral stacrete beams and columns. A so-called Two- bility (Ching, 2009). The beams will not be Way Slabs with Beams. It is effective for directly visible, since the building will utilize teraction between column and beam, is fa- tems will be placed between the slabs and

### Entire System

beams, load-bearing walls and floor slabs. tem.

What is not shown is the façade, which will add some structural strength, but will simul-The diagrams above are not detailed to the taneously also apply load to the perimeter of fullest extent. The floor slabs are not entirely the structural system. The foundation pillars solid, but have "cutouts" where the staircase, are not shown neither - because the site is elevator core, mechanical systems pene- placed near the harbor, the "wet soil" will trates it. This also applies for the diagram require a very deep and sturdy foundation, of the load-bearing walls. As a whole, the which will also add a considerable amount structural system is comprised of columns, of additional structural strength to the sys-





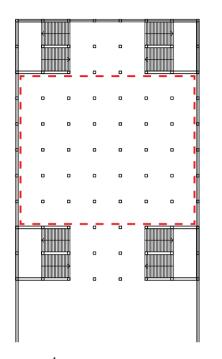
BY AVOIDING BIG SPANS, THE ALTERNATE LOADING PATHS ARE DIRECTLY CONNECTED TO THE POTENTIAL FAILING STRUCTURAL ELEMENT

### Spacing, Spans, Redundancy

The diagrams above are not detailed to the add some structural strength, but will simulfullest extent. The floor slabs are not entirely taneously also apply load to the perimeter of solid, but have "cutouts" where the staircase, the structural system. The foundation pillars elevator core, mechanical systems pene- are not shown neither - because the site is trates it. This also applies for the diagram placed near the harbor, the "wet soil" will of the load-bearing walls. As a whole, the require a very deep and sturdy foundation, structural system is comprised of columns, which will also add a significant amount of beams, load-bearing walls and floor slabs. structural strength to the system.

What is not shown is the façade, which will

# APPENDIX: STRUCTURE



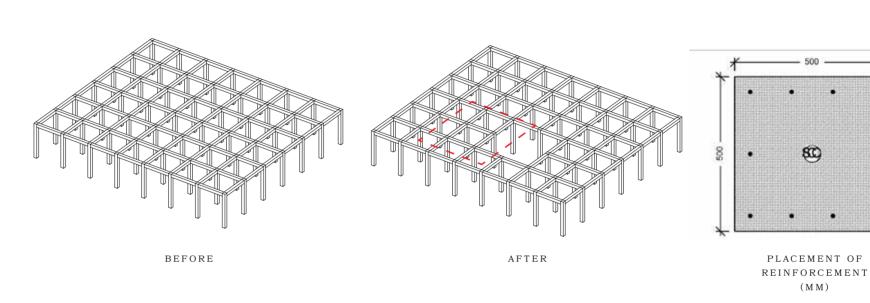


FIG.1 NORTHERN PART OF THE BUILDING, THE EXHIBI-TION GALLERY

## STRUCTURAL FAILURE TEST

### Ambitition

The goal is to create a numerical analysis, of the current structural composition, where we can gain an understanding of the structural behaviour, pre- and post- structural failure.

### Setup

At fig.1 the area of the test is marked red. The reason for choosing this area is that 1) it is the area that will be subjected to possibly the most live loads. 2) The center of the area is where there is the farthest distance to any loading bearing shear walls, and these will not be included in the testing setup.

### Software

The test is conducted in SOFiSTiK 2016. With the EuroNorm EN 1992-1-1:2004 Concrete Structure as the Design Code.

### FEM Model Setup

There are two scenarios. One that replicates the **Before** situation, and one **After**: where 1 column, and 4 beams are removed.

### Model Anatomy:

The vertical columns are set as 6000mm tall. And the sectional dimensions are 500mm x 500mm. With the classification C50/60 (EN 1992) from (EN 1992) Standard Concrete. The columns are set as

### elastic springs.

The horizontal beams are of the same concrete type, and with sectional dimensions of 500mm x 500mm.

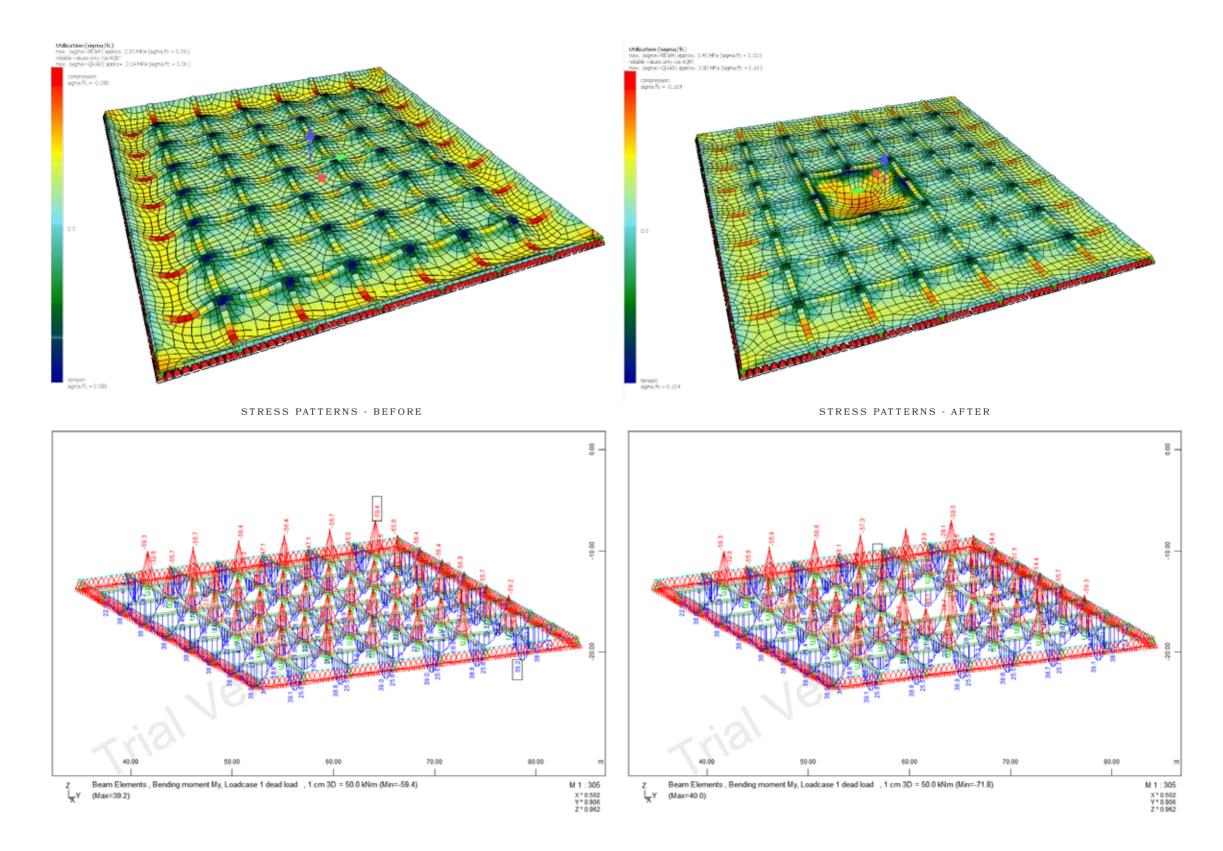
On top of the beams is a floor slab, which is 240mm thick, and is also set as with the classification C50/60 (EN 1992). The floor slab is set as with supports in the perimeter, to avoid the FEM model from collapsing down.

Both the beams and columns are reinforced, with B 500 B (EN 1992) steel, which have a diameter of 12mm. And is positioned in an offset of the outer sectional circumference, 50mm inwards.

### Loads:

There is set an automatic self-calculated self-load of 1 kN/m<sup>2</sup>, and additionally a liveload of 5 kN/m<sup>2</sup> which is sourced from Teknisk Ståbi, 4.5 Nyttelast which corresponds to the class C3 - "Areas like... museums, exhibition spaces etc.".

The floor slap is not visible on the diagrams above, but is included in the FEM model, and is half embedded into the horizontal beams, in accordance with a Two Way Beam and Slab system.



### Feedback

The visual feedback of the stress pattern (top two diagrams) is very exaggerated in these diagrams, they do not represent the actual occurring bending when subjected to loads, but shows merely the location of high and low stresses. It is more a confirmation of that the FEM model recognizes that the conditions are different, visually at least. Observing the Occurring Bending Moments in Beam Elements. There is a minimal difference. Before: 39.2 After: 40.0 So despite the lack of 1 column, and 4 beams, the floorslab show no great difference between the two condition. This primarily concludes two things: 1) The system is overdimensioned. 2) The system shows little to no change despite the removal of a structural element.