

**BEYOND THE VISIBLE**  
the transformation of electricity in our lives

**2021 GRADUATE THESIS**  
MA EXHIBITION AND EXPERIENCE DESIGN  
SUNY FASHION INSTITUTE OF TECHNOLOGY

**KUBRA SUTLAS**

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**KÜBRA SÜTLAŞ**

PROJECT:

**BEYOND THE VISIBLE:**  
The Transformation of  
Electricity in Our Lives

CLIENT:

LIBERTY SCIENCE CENTER  
Liberty State Park  
222 Jersey City Boulevard  
Jersey City, NJ 07305

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KEY PLAN:

N/A

## DRAWING LIST

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**EX.0.02**

Scale N/A



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KEY PLAN:

N/A

## DRAWING LIST

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**EX.0.03**

Scale N/A

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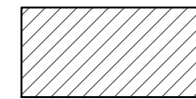
### EX.5.00 DETAILS

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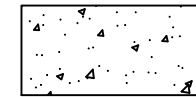
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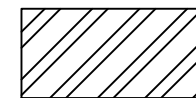
EXISTING WALL



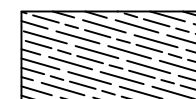
NEW EXHIBIT WALL



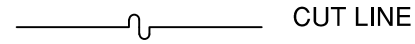
CONCRETE



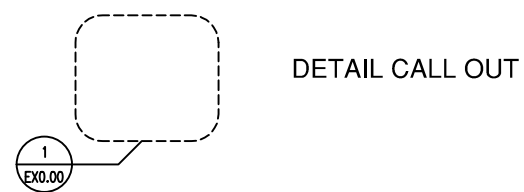
STEEL



WOOD



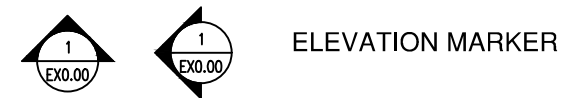
CUT LINE



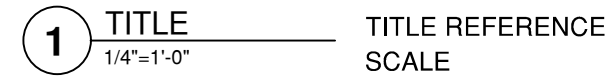
DETAIL CALL OUT



SECTION LINE



ELEVATION MARKER



TITLE REFERENCE SCALE



ARTIFACT REFERENCE



AV REFERENCE



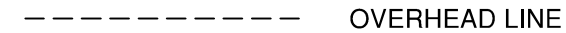
GRAPHIC REFERENCE



MATERIAL REFERENCE



LIGHTING REFERENCE



OVERHEAD LINE



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KEY PLAN:

N/A

# SYMBOLS LIST

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**EX.0.04**

Scale N/A

## **EXECUTIVE SUMMARY**



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KEY PLAN:

N/A

## **THESIS STATEMENT**

Drawn By Kübra Sütlaş

### **EX.1.01**

Scale N/A

## **THESIS STATEMENT**

When engaging with objects in museums, people construct meaning based on their previous knowledge and personal experiences. However, objects have their own story to tell, their unique connection to the people who created them and used them. Historical empathy, which is defined as “the process of understanding people in the past by contextualizing their actions”, allows people to understand the emotional state of another person as it relates to a specific time and place. Historical empathy can be achieved through utilizing objects within imaginative, immersive, and theatrical designed experiences that generate a specific context for an object to shift people’s perspectives, share its inherent story, and connect visitors with perspectives and emotions of people throughout history.



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## PROJECT PARAMETERS

### SUBJECT

MUNDANE / DOMESTIC OBJECTS OF THE ELECTRICITY REVOLUTION OF THE 1880s

### CLIENT

LIBERTY SCIENCE CENTER

### AUDIENCE

FAMILIES WITH YOUNG KIDS

SCHOOL GROUPS

### VENUE

LIBERTY SCIENCE CENTER

PROJECT:

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KEY PLAN:

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## PROJECT PARAMETERS

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**EX.1.02**

Scale

N/A



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KEY PLAN:

N/A

**CONCEPTUAL APPROACH**

Drawn By Kübra Sütlaş

**EX.1.03**

Scale N/A

## CONCEPTUAL APPROACH

Beyond the Visible: Transformation of Electricity in Our Lives shares with visitors how the entire world is changed with the discovery of electricity at this one period of time. The content presents the stories of various objects from the 1880s and shows the revolution of objects and living standards as a result of the change that came with the discovery of electricity. I tackle this immense change by splitting the life experiences into five themes: seeing, hearing, eating, communicating, and navigating. Visitors will experience these five different themes both in the areas, in which the living without electricity is represented and in the section about the discovery of electricity. These two concepts will be connected through the theatrical transition that demonstrates the birth of electricity. By traveling through historical developments about electricity, visitors further engage with the exhibition content, create an emotional connection of people who lived at that time and immerse themselves in the daily life throughout the exhibition.





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KEY PLAN:

N/A

### CLIENT & SITE DESCRIPTION

Drawn By Kübra Sütlaş

**EX.1.04**

Scale N/A

## CLIENT DESCRIPTION

Liberty Science Center is located in Liberty State Park, New Jersey, the United States, as an interactive state-of-the-art science museum and learning center. It became New Jersey's first science center when it was opened in 1993. Liberty Science Center's mission is to inspire the next generation of scientists and engineers and excite learners of all ages about the power, promise and pure fun of science and technology. It was opened to be supportive for the region's education and workforce development. Therefore, the purpose of this institution is to be an innovative learning resource for lifelong exploration of nature, humanity, and technology, supporting the growth of our diverse region and promoting informed stewardship of the world .

## SITE DESCRIPTION

Liberty Science Center opened in January 1993 in a state park on the Hudson River shore in Jersey City, opposite lower Manhattan, and next to Ellis Island and the Statue of Liberty. This 300,000 -square-foot non-profit institution is located at Liberty State Park. New Jersey's first primary state science museum is dedicated to the nature exploration, humanity, and technology. Liberty Science Center focuses on school groups that span the age range of the high and elementary schools. It is a place where all visitors can be together, learn and have fun.



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KEY PLAN:

N/A

## AUDIENCE DESCRIPTION

Drawn By Kübra Sütlaş

**EX.1.05**

Scale N/A

## AUDIENCE DESCRIPTION

This exhibition audience consists of schools groups and families with young kids. These two-audience groups compose the main visitor focus of Liberty Science Center. Liberty Science Center receives approximately 750,000 total visitors per year. Students and teachers make up 280,000 of this number. Therefore about 37% of the visitors are students (from kindergarten to middle school) and teachers. This rate indicates that school groups are predominantly the target audience of the Liberty Science Center. The secondary target audience is children with their parents. Liberty Science Center enable parents to be a family member. The science center has nearly 14,00 family memberships. Therefore, about 30% of the audience is families, which is the other prominent portion of the visitor groups.



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KEY PLAN:

N/A

**INTERPRETIVE APPROACH**

Drawn By Kübra Sütlaş

**EX.1.06**

Scale

N/A

## INTERPRETIVE APPROACH

Beyond the Visible focuses on objects to illustrate how the entire world was altered with the discovery of electricity in the 1880s. Thus, objects will be actors of the exhibition to demonstrate life at that particular time. Objects will contain their first-person narrative stories. Each artifact tells its own inherent story. As a general approach, objects will be heard throughout the exhibition as first-person narrators. When people engage with objects, they will suddenly hear their sounds, and the video will appear on the digital screen. Making artifacts come alive gives visitors the sense that they are there, in that particular time and place.

## EDUCATIONAL GOALS

Visitors will learn:

- What daily life was like from the perspective of people living in the 1880's.
- How the invention of electricity and boom in the creation of electrical mundane objects, tools, and instruments changed the domestic lives of ordinary people.
- Specific predominant electric household objects of the time related to seeing, hearing, navigating, communicating, and eating.
- To compare the effects of pre-electricity and first objects in electric life and today's living conditions.
- How the stories of objects affect them to form an emotional connection with the past in theatrical experiences.

## EXPERIENCE GOALS

Visitors will experience:

- The collection of domestic objects of the 1880s by touching, utilizing, and hearing their first narrative stories in a multisensory environment.
- Seeing in the darkness, not easily communicating, hearing, and getting lost throughout the space.
- A multisensory, immersive environment with sounds and images.
- Interactive and cooperative group activities.
- Different lighting effects to generate surprising experiences to trigger emotions, sensations, and empathy.
- Engage with objects and create an emotional connection with from the past.

## PROJECT GOALS

The exhibition will:

- Educate and increase audiences' connection with science, technology, history, and historical objects.
- Inspire, affect, and engage with different groups of audiences.
- Excite visitors about the power, promise, and pure fun of science and technology.
- Inspire the next generation of scientists and engineers to empower them to be curious and creative.
- Be an innovative learning resource to promote enthusiasm for science, life, humanity, and technology in all learners of the community.
- Be a place where families and their parents can be together, have fun and learn.



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KEY PLAN:

N/A

**GOALS**

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**EX.1.07**

Scale N/A



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KEY PLAN:

N/A

**CONCEPT DIAGRAM**

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**EX.1.08**

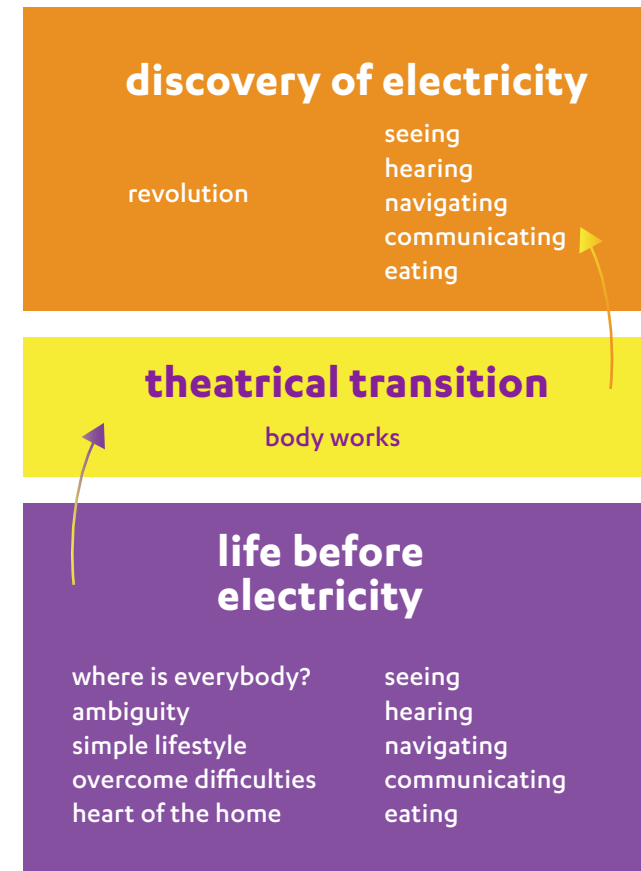
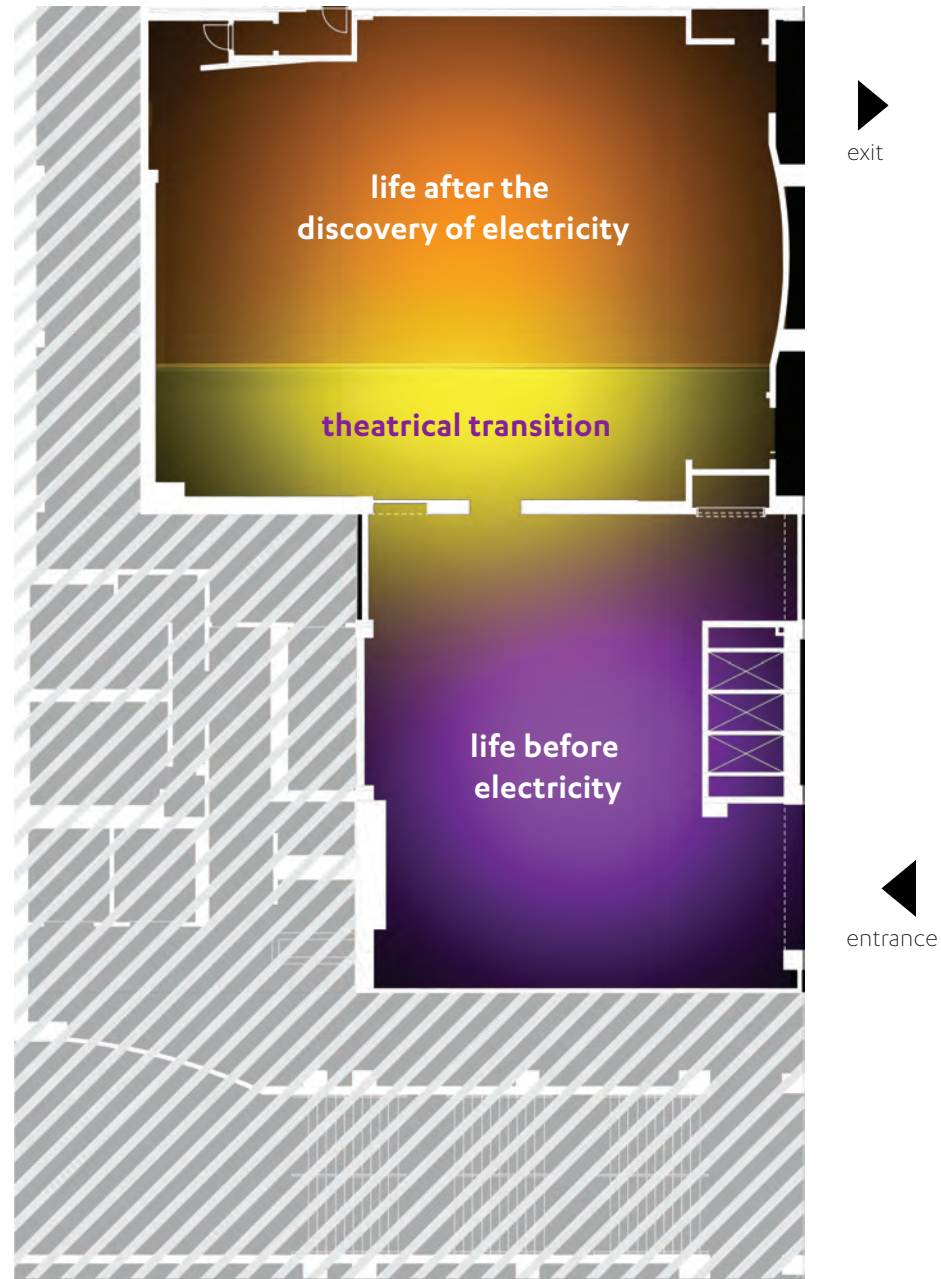
Scale

N/A

## CONCEPT DIAGRAM



# CONTENT DIAGRAM



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KEY PLAN:

N/A

## CONTENT DIAGRAM

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**EX.1.09**

Scale N/A

# VISITOR JOURNEY



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KEY PLAN:

N/A

**VISITOR JOURNEY**

Drawn By Kübra Sütlaş

**EX.1.10**

Scale N/A



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KEY PLAN:

N/A

## DURATION DIAGRAM

Drawn By Kübra Sütlaş

**EX.1.11**

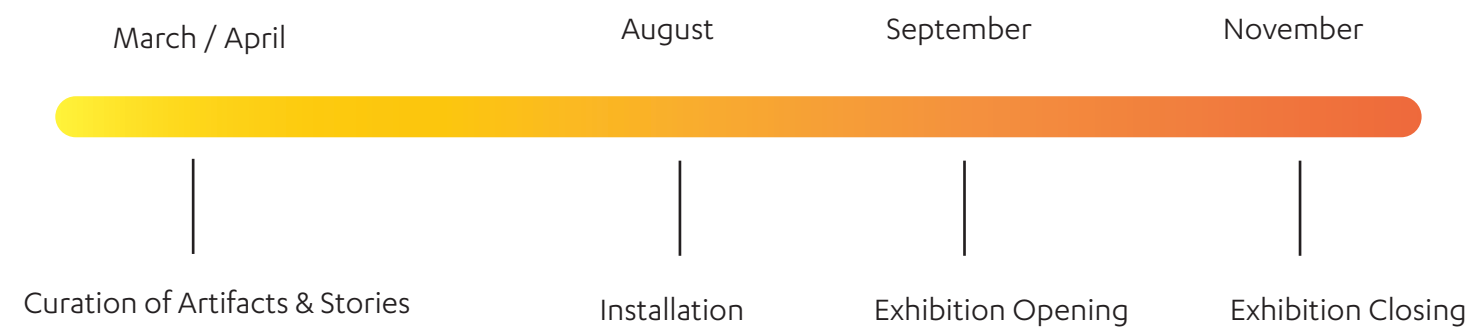
Scale

N/A

## DURATION DIAGRAM

The exhibition will be open from September 2022 to November 2022.

2022







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KEY PLAN:

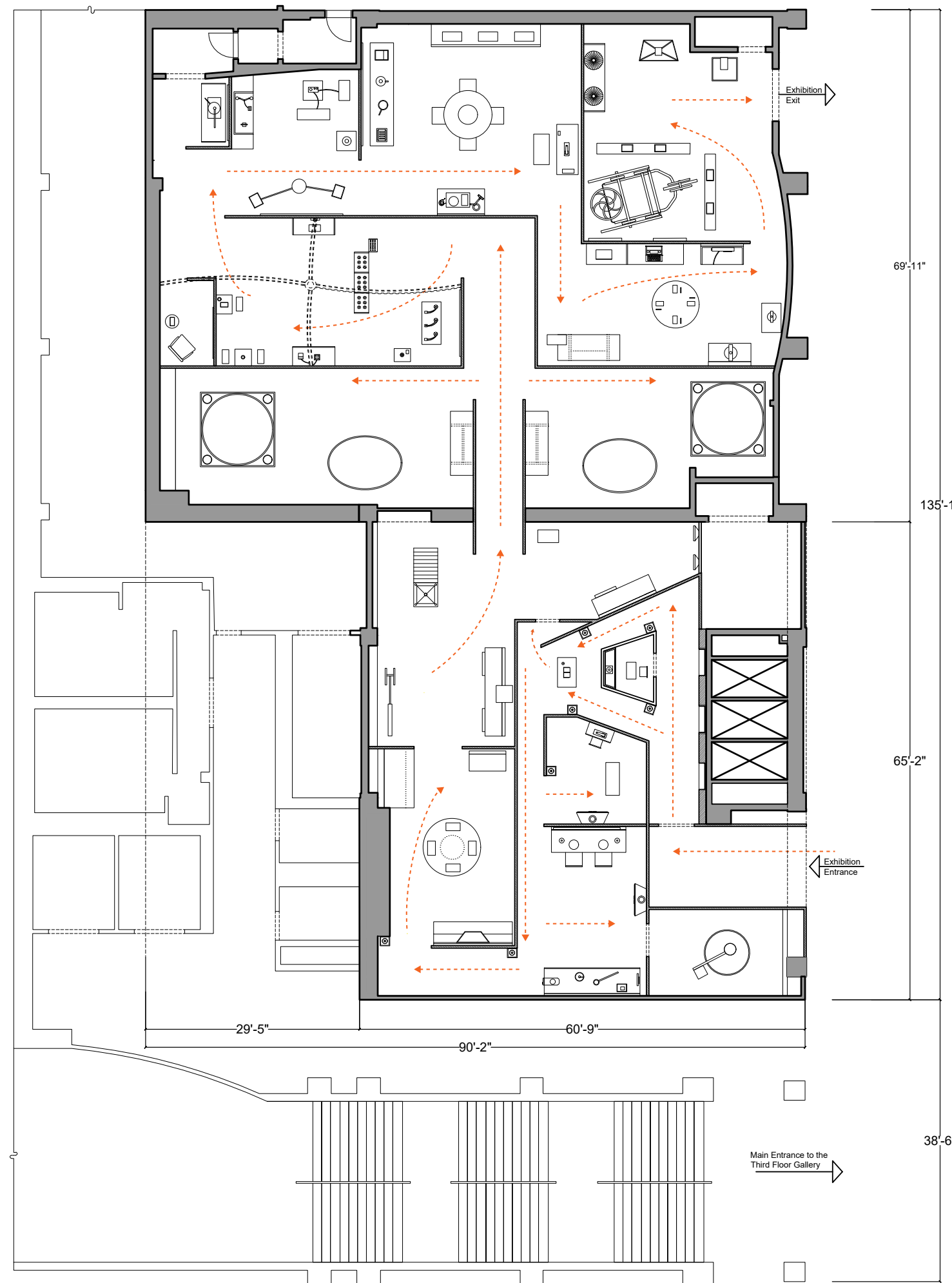
N/A

## SIMPLIFIED PLAN

Drawn By Kübra Sütlaş

**EX.1.12**

Scale N/A



Third Floor of the Liberty Science Center

Directed Circulation

3900 FT<sup>2</sup> / 01A Before The Electricity Part

7470 FT<sup>2</sup> / 02A After The Discovery of

Electricity Part

11370 FT<sup>2</sup> / Total Exhibition Area



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KEY PLAN:

N/A

**MODEL PHOTO SURVEY**

Drawn By Kübra Sütlaş

**EX.1.13**

Scale N/A



# EXTERIOR WAYFINDING



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KEY PLAN:

N/A

**EXTERIOR RENDER**

Drawn By Kübra Sütlaş

**EX.1.20**

Scale N/A

## MUSEUM LOBBY



School of Graduate Studies  
Exhibition & Experience Design

**KÜBRA SÜTLAŞ**

PROJECT:

**BEYOND THE VISIBLE:**  
The Transformation of  
Electricity in Our Lives

CLIENT:

**LIBERTY SCIENCE CENTER**

Liberty State Park  
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KEY PLAN:

N/A

**MUSEUM ENTRANCE RENDER**

Drawn By Kübra Sütlaş

**EX.1.21**

Scale

N/A

# INTRODUCTION GRAPHIC

## See:

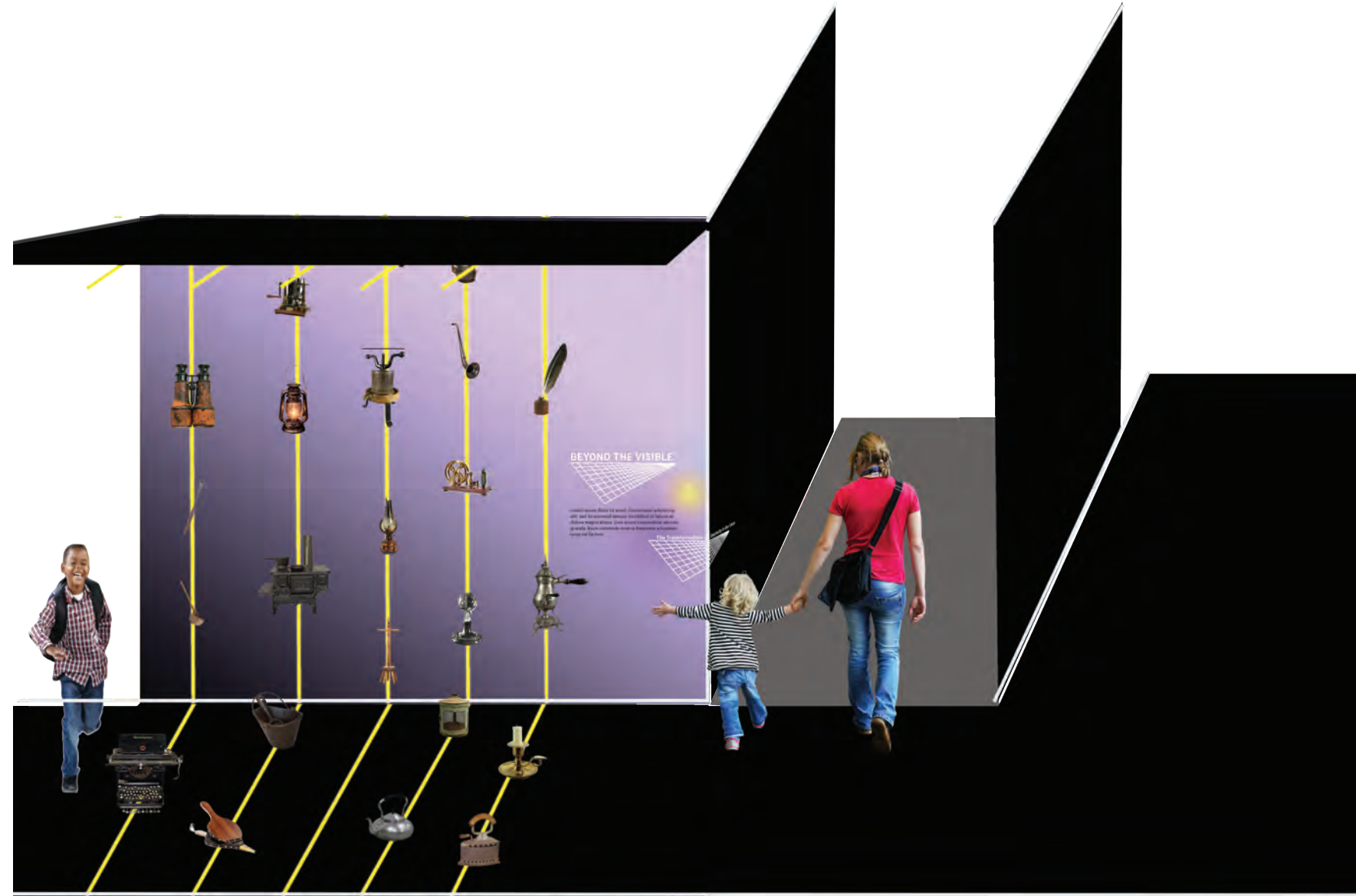
The pictures of objects projected into the wall, floor, and ceiling will appear as if they are sliding.

## Do:

Visitors will watch the objects movements. Children may try to catch them on the floor.

## Learn:

They will get to know the objects before the exhibition starts. They become aware of what they will encounter throughout the exhibition.



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KEY PLAN:



**EXHIBITION INTRODUCTION WALL**

Drawn By Kübra Sütlaş

**EX.1.22**

Scale N/A

# WHERE IS EVERYBODY? | SEEING

## See:

Visitors will encounter the lightened lines on the ground, ceiling, and graphics at the beginning of the exhibition.

## Do:

They will follow the lines to reach the exhibition. They will read the label about the exhibition content.

## Learn:

They will find out what the next part of the exhibition will be about when they read the label.



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KEY PLAN:



**SEEING EXPERIENCE ENTRANCE**

Drawn By Kübra Sütlaş

**EX.1.23**

Scale N/A

## WHERE IS EVERYBODY? | SEEING

### See:

The dark and narrow corridor will welcome visitors. The gaslamp will be hung on the brick wall. The objects will be hidden inside the wall. The projector will reflect the texts and candlelight effect onto the objects.

### Do:

When visitors walk into the corridor, the gaslamp lumen will increase step by step. In addition to the gas lamp, they will realize the objects when the projector reflects the effects. Visitors can read the text that appears suddenly for each objects.

### Learn:

Visitors can understand the dark environment by being in that position that people struggled in at that time. They can be aware of the gas lamp and candlelight effect and how hard to read, see and recognize objects in these lights.



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KEY PLAN:



**SEEING EXPERIENCE RENDER**

Drawn By Kübra Sütlaş

**EX.1.24**

Scale N/A

## WHERE IS EVERYBODY? | SEEING

### See:

A kerosene lamp will be located on the stand with the its description. There will be an explanation about taking the lamp and carry throughout the corridor. There will be a child picture on the wall and colorful circles on the ground.

### Do:

Visitors can carry the kerosene lamp and read the labels about it. When they walk and locate themselves in circles with lamps, they can see and read the hidden texts about that child's story. When they continue, they can read and discover many things about him.

### Learn:

Visitors can feel lost because they will be dark corridors after main activities. They can understand and learn the kerosene lamp effect and what it is, and how heavy it is. They can feel the objects and persona's stories.



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KEY PLAN:



**SEEING EXPERIENCE RENDER**

Drawn By Kübra Sütlaş

**EX.1.25**

Scale N/A



# AMBIGUITY | HEARING

## See:

The sewing machine, coal stove will be located in the environment. The gas lamps will illuminate the space. The huge ear trumpet will extend from the wall to the sitting area.

## Do:

When visitors walk into the space, they will hear some sounds from objects. They can see the women's faces in front of the trumpet. When they sit on the bench and put their ears on the trumpet, they uncertainly hear her voice using ear trumpet.

## Learn:

Visitors can create a relationship with objects. They can understand what people used for a headphone at that time and how hard to hear with this particular object.



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KEY PLAN:



**HEARING EXPERIENCE RENDER**

Drawn By Kübra Sütlaş

**EX.1.26**

Scale N/A

# OVERCOME DIFFICULTIES | COMMUNICATING

## See:

The letters, pen, and postcards will display in that area. The digital screens in the middle of the space will contain people's communication stories. The first communicating devices will be displayed in the cases.

## Do:

Visitors will engage with communicating stories from objects' sounds. They will use a pen and letter paper to write letters and upload them on the digital screen. They will see, hear, and engage with the first wireless communicating objects.

## Learn:

They can create a relationship with someone from the past. Visitors will perceive what people used for a telephone in the past and how hard to discover to find communicating strategies.



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KEY PLAN:



**COMMUNICATING EXPERIENCE**

Drawn By Kübra Sütlaş

**EX.1.27**

Scale N/A

## BODY WORKS | TESLA COIL

### See:

Tesla Coil electrical instrument will be located at the center of the space. The cage will be positioned next to it. There will be screens that show electrical bolts on the walls. Electric bolts, lightings will appear in the air.

### Do:

Visitors will engage with communicating stories from objects' sounds. They will use a pen and letter paper to write letters and upload them on the digital screen. They will see, hear, and engage with the first wireless communicating objects.

### Learn:

When visitors get into the cage, they will be able to generate their electric bolts with Tesla Coil. They will see the sparks scatter from it. They will use their body to create one of the sparks. They will hear the electricity sounds when they form lightings in the air.



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KEY PLAN:



**TESLA COIL EXPERIENCE**

Drawn By Kübra Sütlaş

**EX.1.28**

Scale

N/A

# REVOLUTION | SEEING

## See:

The first lighting bulb that Edison invented will be located on the ceiling. Other 27 light bulbs discovered in history will be displayed. The first batteries that allow scientists to generate electricity will be display units.

## Do:

Visitors will be able to turn on and off Edison's lighting bulb by using the first switch. They can measure the electricity that bulb produced by using the first ammeter. They will try to read, see with the impact of the first bulb. They can also press the button to see how the effects of each other light bulbs on display change. Visitors will watch the sparkings that batteries generate.

## Learn:

They can understand the effect of the first lighting bulb. Visitors will perceive the different lighting bulbs effects. They can compare the seeing impacts to life without electricity and understand the story behind electricity.



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KEY PLAN:



**SEEING EXPERIENCE RENDER**

Drawn By Kübra Sütlaş

**EX.1.29**

Scale N/A

# REVOLUTION | EATING

## See:

The first electrical kitchen objects will be on the counter. A digital touchable screen will be at the center of the space. There will be hanging display cases that include the first electrical kettle and stove.

## Do:

Visitors will interact and engage with each object. They will hear and watch stories from the first narrative approach from the objects. They can sit at the table and select a character from the digital screen. They can see the life of the kitchen environment with vertical screens.

## Learn:

They will learn the objects and their stories. They perceive how hard to prepare food with these first electrical machines. They will create connections between characters' stories. Visitors will have a chance to see dinner table objects that belongs to that particular time.



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KEY PLAN:



**EATING EXPERIENCE RENDER**

Drawn By Kübra Sütlaş

**EX.1.30**

Scale N/A

# REVOLUTION | NAVIGATING

## See:

The first electrical car will welcome the visitors. That car's wheel and the engine will be displayed. The first electrical traffic lamp and the street lamp will be located in the area. There will be digital screens for each object.

## Do:

Visitors will interact with the first navigating objects. They will hear the stories from the perspectives of objects. They will turn the wheels and the engine of the first car. Visitors can also sit and watch with the effect of the first electrical street lamp.

## Learn:

They will learn the first navigating objects and stories behind themselves. They will generate a connection with the people who lived at that time and imagine themselves in their conditions. They will learn the exterior life while they are leaving the exhibition.



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KEY PLAN:



**NAVIGATING EXPERIENCE RENDER**

Drawn By Kübra Sütlaş

**EX.1.31**

Scale N/A

## **SCHEDULES AND LISTS**

## GRAPHIC SCHEDULE

GRAPHIC CODE	TYPE	DESCRIPTION
<b>INTRODUCTION</b>		
00A.01.GR01	D	Graphic Pattern And Images
00A.01.GR02	K	Projection Graphics
00A.01.GR03	I	Introduction Text
00A.01.GR04	I	Introduction Title
00A.01.GR05	E	Floor Graphics
00A.01.GR06	G	Ceiling Graphics
00A.02.GR01	D	Graphic Pattern And Images
00A.02.GR02	A	Content Text
00A.02.GR03	F	Content Title
<b>SEEING</b>		
01A.01.GR01	C	Graphic Pattern And Images
01A.01.GR02	B	Area Intro Text
01A.01.GR03	A	Area Intro Title
01A.01.GR04	E	Floor Graphic
01A.01.GR05	G	Ceiling Graphic
01A.02.GR01	D	Graphic Pattern And Images
01A.02.GR02	I	Artifact Label
01A.02.GR03	F	Content Title
01A.02.GR04	I	Content Text
01A.02.GR05	E	Floor Graphic
01A.03.GR01	I	Artifact Label
01A.03.GR02	J	Directive
01A.03.GR03	J	Directive
01A.04.GR01	D	Graphic Pattern And Images
01A.04.GR02	I	Artifact Label
01A.04.GR03	F	Content Title
01A.04.GR04	I	Content Text
01A.04.GR05	E	Floor Graphic
01A.05.GR01	J	Directive
01A.05.GR02	I	Artifact Label
01A.05.GR03	J	Directive
01A.06.GR01	J	Directive

GRAPHIC CODE	TYPE	DESCRIPTION
01A.06.GR02	I	Artifact Label
01A.06.GR03	J	Directive
01A.07.GR01	D	Graphic Pattern And Images
01A.07.GR02	I	Artifact Label
01A.07.GR03	F	Content Title
01A.07.GR04	I	Content Text
01A.07.GR05	E	Floor Graphic
01A.08.GR01	D	Artifact Graphic
01A.08.GR02	F	Artifact Label
01A.08.GR03	D	Artifact Graphic Pattern
01A.09.GR01	J	Directive
<b>HEARING</b>		
02A.01.GR01	C	Graphic Pattern And Images
02A.01.GR02	B	Area Intro Text
02A.01.GR03	A	Area Intro Title
02A.01.GR04	E	Floor Graphic
02A.01.GR05	G	Ceiling Graphic
02A.02.GR01	J	Directive
02A.03.GR01	D	Artifact Graphic
02A.03.GR02	F	Artifact Label
02A.03.GR03	D	Artifact Graphic Pattern
02A.04.GR01	D	Artifact Graphic
02A.04.GR02	F	Artifact Label
02A.04.GR03	D	Artifact Graphic Pattern
02A.05.GR01	D	Graphic Pattern And Images
02A.05.GR02	I	Artifact Label
02A.05.GR03	F	Content Title
02A.05.GR04	I	Content Text
02A.05.GR05	E	Floor Graphic
02A.06.GR01	D	Artifact Graphic
02A.06.GR02	F	Artifact Label
02A.06.GR03	D	Artifact Graphic Pattern



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KEY PLAN:

N/A

**GRAPHIC SCHEDULE**

Drawn By Kübra Sütlaş

**EX.2.01**

Scale N/A



## GRAPHIC SCHEDULE CONT'D

GRAPHIC CODE	TYPE	DESCRIPTION
02A.07.GR01	A	Artifact Label
02A.08.GR01	A	Artifact Label
<b>EATING</b>		
03A.01.GR01	C	Graphic Pattern And Images
03A.01.GR02	B	Area Intro Text
03A.01.GR03	A	Area Intro Title
03A.01.GR04	E	Floor Graphic
03A.01.GR05	G	Ceiling Graphic
03A.02.GR01	J	Directive
03A.03.GR01	D	Graphic Pattern And Images
03A.03.GR02	I	Artifact Label
03A.03.GR03	F	Content Title
03A.03.GR04	I	Content Text
03A.03.GR05	E	Floor Graphic
03A.04.GR01	D	Artifact Graphic
03A.04.GR02	F	Artifact Label
03A.04.GR03	D	Artifact Graphic Pattern
03A.05.GR01	I	Artifact Label
03A.06.GR01	I	Artifact Label
03A.07.GR01	I	Artifact Label
03A.08.GR01	I	Artifact Label
03A.09.GR01	I	Artifact Label
03A.10.GR01	I	Artifact Label
03A.11.GR01	I	Artifact Label
03A.12.GR01	I	Artifact Label
03A.13.GR01	D	Graphic Pattern And Images
03A.13.GR02	I	Artifact Label
03A.13.GR03	F	Content Title
03A.13.GR04	I	Content Text
03A.13.GR05	E	Floor Graphic
03A.14.GR01	J	Directive
03A.15.GR01	J	Directive

GRAPHIC CODE	TYPE	DESCRIPTION
03A.15.GR02	A	Artifact Label
03A.15.GR03	J	Directive
<b>COMMUNICATING</b>		
04A.01.GR01	C	Graphic Pattern And Images
04A.01.GR02	B	Area Intro Text
04A.01.GR03	A	Area Intro Title
04A.01.GR04	E	Floor Graphic
04A.01.GR05	G	Ceiling Graphic
04A.02.GR01	L	Digital Screen
04A.02.GR02	I	Artifact Label
04A.03.GR01	D	Graphic Pattern And Images
04A.03.GR02	I	Artifact Label
04A.03.GR03	F	Content Title
04A.03.GR04	I	Content Text
04A.03.GR05	E	Floor Graphic
04A.04.GR01	J	Directive
04A.04.GR02	L	Touch Screen
04A.05.GR01	D	Graphic Pattern And Images
04A.05.GR02	I	Artifact Label
04A.05.GR03	F	Content Title
04A.05.GR04	I	Content Text
04A.05.GR05	E	Floor Graphic
04A.06.GR01	I	Artifact Label
04A.07.GR01	I	Artifact Label
04A.08.GR01	I	Artifact Label
04A.09.GR01	D	Graphic Pattern And Images
04A.09.GR02	I	Artifact Label
04A.09.GR03	F	Content Title
04A.09.GR04	I	Content Text
04A.09.GR05	E	Floor Graphic
04A.10.GR01	I	Artifact Label
04A.10.GR02	J	Directive



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KEY PLAN:

N/A

**GRAPHIC SCHEDULE CONT'D**

Drawn By Kübra Sütlaş

**EX.2.02**

Scale N/A

## GRAPHIC SCHEDULE CONT'D

GRAPHIC CODE	TYPE	DESCRIPTION	GRAPHIC CODE	TYPE	DESCRIPTION
<b>EATING</b>					
05A.01.GR01	C	Graphic Pattern And Images	05A.08.GR04	I	Content Text
05A.01.GR02	B	Area Intro Text	05A.08.GR05	E	Floor Graphic
05A.01.GR03	A	Area Intro Title	05A.09.GR01	J	Directive
05A.01.GR04	E	Floor Graphic	05A.10.GR01	J	Wayfinding
05A.01.GR05	G	Ceiling Graphic	05A.11.GR01	D	Graphic Pattern And Images
05A.02.GR01	L	Digital Screen	05A.11.GR02	I	Artifact Label
05A.02.GR02	D	Artifact Graphic	05A.11.GR03	F	Content Title
05A.02.GR03	F	Artifact Label	05A.11.GR04	I	Content Text
05A.02.GR04	D	Artifact Graphic Pattern	05A.11.GR05	E	Floor Graphic
05A.03.GR01	D	Graphic Pattern And Images	05A.12.GR01	J	Wayfinding
05A.03.GR02	I	Artifact Label	<b>BODY WORKS</b>		
05A.03.GR03	F	Content Title	06A.01.GR01	C	Graphic Pattern And Images
05A.03.GR04	I	Content Text	06A.01.GR02	B	Area Intro Text
05A.03.GR05	E	Floor Graphic	06A.01.GR03	A	Area Intro Title
05A.04.GR01	D	Artifact Graphic	06A.01.GR04	E	Floor Graphic
05A.04.GR02	F	Artifact Label	06A.01.GR05	G	Ceiling Graphic
05A.04.GR03	D	Artifact Graphic Pattern	06A.02.GR01	D	Graphic Pattern And Images
05A.04.GR04	L	Touch Screen	06A.02.GR02	I	Artifact Label
05A.05.GR01	D	Graphic Pattern And Images	06A.02.GR03	F	Content Title
05A.05.GR02	I	Artifact Label	06A.02.GR04	I	Content Text
05A.05.GR03	F	Content Title	06A.02.GR05	E	Floor Graphic
05A.05.GR04	I	Content Text	06A.03.GR01	J	Directive
05A.05.GR05	E	Floor Graphic	06A.03.GR02	J	Directive
05A.06.GR01	D	Artifact Graphic	06A.03.GR03	L	Touch Screen
05A.06.GR02	F	Artifact Label	06A.03.GR04	L	Touch Screen
05A.06.GR03	D	Artifact Graphic Pattern	06A.04.GR01	C	Graphic Pattern And Images
05A.06.GR04	L	Digital Screen	06A.04.GR02	B	Area Intro Text
05A.07.GR01	D	Artifact Graphic	06A.04.GR03	A	Area Intro Title
05A.07.GR02	F	Artifact Label	06A.04.GR04	E	Floor Graphic
05A.07.GR03	D	Artifact Graphic Pattern	06A.04.GR05	G	Ceiling Graphic
05A.07.GR04	L	Touch Screen	06A.05.GR01	D	Graphic Pattern And Images
05A.08.GR01	D	Graphic Pattern And Images	06A.05.GR02	I	Artifact Label
05A.08.GR02	I	Artifact Label			
05A.08.GR03	F	Content Title			



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KEY PLAN:

N/A

**GRAPHIC SCHEDULE CONT'D**

Drawn By Kübra Sütlaş

**EX.2.03**

Scale N/A

## GRAPHIC SCHEDULE CONT'D

GRAPHIC CODE	TYPE	DESCRIPTION
06A.05.GR03	F	Content Title
06A.05.GR04	I	Content Text
06A.05.GR05	E	Floor Graphic
06A.06.GR01	J	Directive
06A.06.GR02	J	Directive
06A.06.GR03	L	Touch Screen
06A.06.GR04	L	Touch Screen
06A.07.GR01	J	Wayfinding
06A.08.GR01	D	Graphic Pattern And Images
06A.08.GR02	A	Content Text
06A.08.GR03	F	Content Title
<b>SEEING</b>		
07A.01.GR01	C	Graphic Pattern And Images
07A.01.GR02	B	Area Intro Text
07A.01.GR03	A	Area Intro Title
07A.01.GR04	E	Floor Graphic
07A.01.GR05	G	Ceiling Graphic
07A.02.GR01	D	Graphic Pattern And Images
07A.02.GR02	I	Artifact Label
07A.02.GR03	F	Content Title
07A.02.GR04	I	Content Text
07A.02.GR05	E	Floor Graphic
07A.03.GR01	D	Artifact Graphic
07A.03.GR02	F	Artifact Label
07A.03.GR03	D	Artifact Graphic Pattern
07A.03.GR04	L	Digital Screen
07A.04.GR01	D	Artifact Graphic
07A.04.GR02	F	Artifact Label
07A.04.GR03	D	Artifact Graphic Pattern
07A.05.GR01	J	Directive
07A.06.GR01	D	Artifact Graphic
07A.06.GR02	F	Artifact Label

GRAPHIC CODE	TYPE	DESCRIPTION
07A.06.GR03	D	Artifact Graphic Pattern
07A.06.GR04	J	Directive
07A.07.GR01	D	Artifact Graphic
07A.07.GR02	F	Artifact Label
07A.07.GR03	D	Artifact Graphic Pattern
07A.08.GR01	D	Graphic Pattern And Images
07A.08.GR02	I	Artifact Label
07A.08.GR03	F	Content Title
07A.08.GR04	I	Content Text
07A.08.GR05	E	Floor Graphic
07A.09.GR01	J	Directive
07A.09.GR02	J	Directive
07A.10.GR01	D	Graphic Pattern And Images
07A.10.GR02	I	Artifact Label
07A.10.GR03	F	Content Title
07A.10.GR04	I	Content Text
07A.10.GR05	E	Floor Graphic
07A.10.GR06	J	Directive
07A.10.GR07	L	Digital Screen
07A.11.GR07	J	Wayfinding
<b>HEARING</b>		
08A.01.GR01	C	Graphic Pattern And Images
08A.01.GR02	B	Area Intro Text
08A.01.GR03	A	Area Intro Title
08A.01.GR04	E	Floor Graphic
08A.01.GR05	G	Ceiling Graphic
08A.02.GR01	D	Graphic Pattern And Images
08A.02.GR02	I	Artifact Label
08A.02.GR03	F	Content Title
08A.02.GR04	I	Content Text
08A.02.GR05	E	Floor Graphic
08A.03.GR01	D	Artifact Graphic



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KEY PLAN:

N/A

**GRAPHIC SCHEDULE CONT'D**

Drawn By Kübra Sütlaş

**EX.2.04**

Scale N/A

## GRAPHIC SCHEDULE CONT'D

GRAPHIC CODE	TYPE	DESCRIPTION
08A.03.GR02	F	Artifact Label
08A.03.GR03	D	Artifact Graphic Pattern
08A.04.GR01	D	Artifact Graphic
08A.04.GR02	F	Artifact Label
08A.04.GR03	D	Artifact Graphic Pattern
08A.04.GR04	J	Directive
08A.05.GR01	D	Artifact Graphic
08A.05.GR02	F	Artifact Label
08A.05.GR03	D	Artifact Graphic Pattern
08A.05.GR04	L	Digital Screen
08A.06.GR01	D	Artifact Graphic
08A.06.GR02	F	Artifact Label
08A.06.GR03	D	Artifact Graphic Pattern
08A.06.GR04	J	Directive
08A.07.GR01	D	Artifact Graphic
08A.07.GR02	F	Artifact Label
08A.07.GR03	D	Artifact Graphic Pattern
08A.07.GR04	L	Digital Screen

### EATING

09A.01.GR01	C	Graphic Pattern And Images
09A.01.GR02	B	Area Intro Text
09A.01.GR03	A	Area Intro Title
09A.01.GR04	E	Floor Graphic
09A.01.GR05	G	Ceiling Graphic
09A.02.GR01	D	Graphic Pattern And Images
09A.02.GR02	I	Artifact Label
09A.02.GR03	F	Content Title
09A.02.GR04	I	Content Text
09A.02.GR05	E	Floor Graphic
09A.03.GR01	I	Artifact Label
09A.03.GR02	I	Artifact Label
09A.03.GR03	I	Artifact Label

GRAPHIC CODE	TYPE	DESCRIPTION
09A.03.GR04	A	Artifact Label
09A.04.GR01	L	Touch Screen
09A.04.GR02	L	Touch Screen
09A.04.GR03	L	Touch Screen
09A.05.GR01	J	Interactive
09A.05.GR02	L	Digital Screen
09A.06.GR01	D	Graphic Pattern And Images
09A.06.GR02	I	Artifact Label
09A.06.GR03	F	Content Title
09A.06.GR04	I	Content Text
09A.06.GR05	E	Floor Graphic
09A.07.GR01	D	Artifact Graphic
09A.07.GR02	F	Artifact Label
09A.07.GR03	D	Artifact Graphic Pattern
09A.08.GR01	D	Artifact Graphic
09A.08.GR02	F	Artifact Label
09A.08.GR03	D	Artifact Graphic Pattern
09A.08.GR04	J	Directive
09A.09.GR01	J	Wayfinding

### COMMUNICATING

10A.01.GR01	C	Graphic Pattern And Images
10A.01.GR02	B	Area Intro Text
10A.01.GR03	A	Area Intro Title
10A.01.GR04	E	Floor Graphic
10A.01.GR05	G	Ceiling Graphic
10A.02.GR01	D	Graphic Pattern And Images
10A.02.GR02	A	Content Text
10A.02.GR03	F	Content Title
10A.03.GR01	D	Artifact Graphic
10A.03.GR02	F	Artifact Label
10A.03.GR03	D	Artifact Graphic Pattern
10A.03.GR04	L	Touch Screen



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KEY PLAN:

N/A

**GRAPHIC SCHEDULE CONT'D**

Drawn By Kübra Sütlaş

**EX.2.05**

Scale N/A

## GRAPHIC SCHEDULE CONT'D

GRAPHIC CODE	TYPE	DESCRIPTION	GRAPHIC CODE	TYPE	DESCRIPTION
10A.03.GR05	A	Directive	11A.03.GR02	F	Artifact Label
10A.04.GR01	D	Artifact Graphic	11A.03.GR03	D	Artifact Graphic Pattern
10A.04.GR02	F	Artifact Label	11A.04.GR01	L	Digital Screen
10A.04.GR03	D	Artifact Graphic Pattern	11A.04.GR02	L	Digital Screen
10A.04.GR04	J	Directive	11A.05.GR01	L	Touch Screen
10A.05.GR01	D	Artifact Graphic	11A.05.GR02	L	Touch Screen
10A.05.GR02	F	Artifact Label	11A.05.GR03	L	Touch Screen
10A.05.GR03	D	Artifact Graphic Pattern	11A.05.GR04	L	Touch Screen
10A.06.GR01	D	Artifact Graphic	11A.05.GR05	J	Directive
10A.06.GR02	F	Artifact Label	11A.06.GR01	D	Artifact Graphic
10A.06.GR03	D	Artifact Graphic Pattern	11A.06.GR02	F	Artifact Label
10A.06.GR04	J	Directive	11A.06.GR03	D	Artifact Graphic Pattern
10A.07.GR01	D	Graphic Pattern And Images	11A.06.GR04	J	Directive
10A.07.GR02	A	Content Text	11A.07.GR01	D	Graphic Pattern And Images
10A.07.GR03	F	Content Title	11A.07.GR02	A	Content Text
10A.08.GR01	D	Artifact Graphic	11A.07.GR03	F	Content Title
10A.08.GR02	F	Artifact Label	11A.08.GR01	D	Artifact Graphic
10A.08.GR03	D	Artifact Graphic Pattern	11A.08.GR02	F	Artifact Label
10A.08.GR04	J	Directive	11A.08.GR03	D	Artifact Graphic Pattern
10A.09.GR01	D	Artifact Graphic	11A.08.GR04	J	Directive
10A.09.GR02	F	Artifact Label	11A.09.GR01	D	Artifact Graphic
10A.09.GR03	D	Artifact Graphic Pattern	11A.09.GR02	F	Artifact Label
			11A.09.GR03	D	Artifact Graphic Pattern
			11A.09.GR04	L	Digital Screen
			11A.10.GR01	J	Wayfinding
<b>NAVIGATING</b>					
11A.01.GR01	C	Graphic Pattern And Images			
11A.01.GR02	B	Area Intro Text			
11A.01.GR03	A	Area Intro Title			
11A.01.GR04	E	Floor Graphic			
11A.01.GR05	G	Ceiling Graphic			
11A.02.GR01	D	Graphic Pattern And Images			
11A.02.GR02	A	Content Text			
11A.02.GR03	F	Content Title			
11A.03.GR01	D	Artifact Graphic			



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KEY PLAN:

N/A

**GRAPHIC SCHEDULE CONT'D**

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**EX.2.06**

Scale N/A

## GRAPHIC SPECIFICATION LIST

### SIGN TYPE

### DESCRIPTION

A	2" thk. aluminum fabricated letters with first surface direct print graphic on face with aluminum returns. Letters mounted with blind fasteners to 1/4" thk clear acrylic with first surface applied Duratrans
B	1/4" thk. acrylic letters pin mounted to 1/4" thk. clear acrylic surface
C	Direct print to 1/4" thk. clear acrylic and clear protect overlamine
D	Direct print to 2" thk. aluminium sheet with clear protect overlamine
E	Direct print to floor grade vinyl with matte UV overlamination
F	1/16" thk. metal letters mounted to 2" thk. aluminium sheet. Letters mounted with blind fasteners to aluminium sheet with first surface applied.
G	Direct print to vinyl with matte UV overlamination
I	1/4" clear acrylic with etched and in filled type
J	1/16" thk. aluminum letters mounted to 1/4" thk. frosted acrylic with pin mounted
K	Projection Graphics
L	Touch Screen Graphics



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KEY PLAN:

N/A

**GRAPHIC SPECIFICATION LIST**












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**EX.2.07**

Scale

N/A

# MATERIAL SCHEDULE

MATERIAL	CODE	DESCRIPTION	LOCATION	THUMBNAIL
METAL	ML.01	4" Matte Black Aluminium Sheet	New Exhibition Walls	
	ML.02	2" Matte Aluminium Sheet Colored	Stand Structure for Objects in Corridors	
	ML.03	2" Black Extruded Aluminium Round Rod	Structure for Label Graphics	
	ML.04	3/8" Corten Steel Sheet	Structure for Display Units	
	ML.05	3/16" Corten Steel Wire	Structure of Lighting Bulb on the Ceiling	
WOOD	WD.01	1/2" Wood Flooring	Flooring of Pre-Electricity Section of the Exhibition	
	WD.02	2" Plywood Panel	Stand Structure for Heart of the Home Area Sitting Bench	
ACRYLIC	AC.01	1/4" Clear Acrylic	Area Graphics	
GLASS	GL.01	1/4" Water White Tempered Glass	Case Structure	
FABRIC	FB.01	Translucent Stretched Fabric, with Partial Direct to Print	Theatrical Backdrop	
VINLY	VL.01	Vinly Flooring	Flooring of Revolution Section of the Exhibition	



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KEY PLAN:

N/A

**MATERIAL SCHEDULE**








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**EX.2.08**

Scale

N/A

## MEDIA SCHEDULE

CODE	TYPE	DESCRIPTION	MANUFACTURER	LOCATION	THUMBNAIL
AV.01	Directional Speaker	Spotphonics Style	Look2Innovate	Throughout the Exhibition	
AV.02	Driver Speaker	Tornado Mini Speaker	K-ARRAY	Theatrical Backdrop First Car Experience	
AV.03	Projector	Stretch Ceiling Projection	BENQ	Throughout the Exhibition	
AV.04	LED Screen	High Brightness LCD Display	PRODISPLAY	Throughout the Revolution Area	
AV.05	Interactive Touch Screen	Interactive LED Monitors	PRODISPLAY	Throughout the Revolution Area	
AV.06	Sensors	Motion Sensors	Panasonic	Throughout the Exhibition	
AV.07	Wall Speaker	In-Wall Speaker	Klipsch	Throughout the Body Works Area	



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KEY PLAN:

N/A

**MEDIA SCHEDULE**

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**EX.2.09**

Scale

N/A



## ARTIFACT SCHEDULE

ARTIFACT	CODE	DESCRIPTION	STYLE	ARTIFACT	CODE	DESCRIPTION	STYLE
	01A.01.AR01	Kerosene Lamp	Object		01A.03.AR08	Candle and Holder	Object
	01A.01.AR02	Wall Clock	Object		01A.03.AR09	Old Book	Object
	01A.01.AR03	Wall Mirror	Object		01A.03.AR10	Newspaper of 1880s	Photograph
	01A.01.AR04	Door Knobset	Object		01A.04.AR11	Whale Oil Lamp	Object
	01A.01.AR05	Door Key	Object		01A.05.AR12	Gas Lamp	Object
	01A.01.AR06	Door Knocker	Object		02A.01.AR01	Doorbell	Object
	01A.02.AR07	Gas Lamp	Object		02A.01.AR02	Ear Trumpet	Object



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KEY PLAN:

N/A















**ARTIFACT SCHEDULE**

Drawn By Kübra Sütlaş

**EX.2.10**

Scale N/A

## CONT'D ARTIFACT SCHEDULE

ARTIFACT	CODE	DESCRIPTION	STYLE	ARTIFACT	CODE	DESCRIPTION	STYLE
	02A.01.AR03	Sewing Machine	Object		02A.01.AR10	Bed Warmer	Object
	02A.01.AR04	Chair of 1880s	Object		02A.01.AR11	Washing Dolly	Object
	02A.01.AR05	Wall Candle	Object		03A.01.AR01	Candle	Object
	02A.01.AR06	Coal Stove	Object		03A.01.AR02	Food Grinder	Object
	02A.01.AR07	Coal Bucket	Object		03A.01.AR03	Toaster	Object
	02A.01.AR08	Coal Bucket	Object		03A.01.AR04	Coffee Grinder	Object
	02A.01.AR09	Iron	Object		03A.01.AR05	Food Safer	Object



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KEY PLAN:

N/A

**ARTIFACT SCHEDULE CONT'D**















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**EX.2.11**

Scale

N/A

## CONT'D ARTIFACT SCHEDULE

ARTIFACT	CODE	DESCRIPTION	STYLE	ARTIFACT	CODE	DESCRIPTION	STYLE
	03A.01.AR06	Water Dipper	Object		03A.01.AR13	Masher	Object
	03A.01.AR07	Hand Mixer	Object		03A.01.AR14	Food Chopping	Object
	03A.01.AR08	Kettle	Object		03A.01.AR15	Coffee Percolator	Object
	03A.01.AR09	Food Mill	Object		03A.01.AR16	Stell Sugar Nips	Object
	03A.01.AR10	Dishwasher	Object		03A.01.AR17	Juice Maker	Object
	03A.01.AR11	Meat Tenderizer	Object		03A.01.AR18	Baking Mold	Object
	03A.01.AR12	Potato Masher	Object		03A.01.AR19	Butter Churn	Object



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KEY PLAN:

N/A















**ARTIFACT SCHEDULE CONT'D**

Drawn By Kübra Sütlaş

**EX.2.12**

Scale N/A

## CONT'D ARTIFACT SCHEDULE

ARTIFACT	CODE	DESCRIPTION	STYLE	ARTIFACT	CODE	DESCRIPTION	STYLE
	03A.01.AR20	Coal Stove	Object		03A.02.AR02	Well Bucket	Object
	03A.01.AR21	Carpet Beater	Object		03A.02.AR03	Glass Washboard	Object
	03A.01.AR22	Bellow	Object		04A.01.AR01	Letter Papers	Object
	03A.01.AR23	Stove Shovel	Object		04A.01.AR02	Pen	Object
	03A.01.AR24	Stove Poker	Object		04A.01.AR03	Postcard	Object
	03A.01.AR25	Coal Scuttle	Object		04A.01.AR04	Demonstration Telegraph Register and Key 1880	Object
	03A.02.AR01	Well Pump	Object		04A.01.AR05	Telegraph Sounder Partrick and Bunnell 1880	Object



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KEY PLAN:

N/A



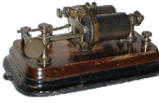







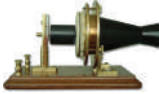



**ARTIFACT SCHEDULE CONT'D**

Drawn By Kübra Sütlaş

**EX.2.13**

Scale N/A

## CONT'D ARTIFACT SCHEDULE

ARTIFACT	CODE	DESCRIPTION	STYLE	ARTIFACT	CODE	DESCRIPTION	STYLE
	04A.01.AR06	Holmes Burglar Alarm Telegraph 1884	Object		04A.01.AR13	Edison's Pen	Object
	04A.01.AR07	Bunnell Telegraph Relay 1895	Object		05A.01.AR01	Bicycle of 1880s	Object
	04A.01.AR08	Multiple Telegraph Relays 1880	Object		05A.01.AR02	Street Lamp	Object
	04A.01.AR09	Bell Liquid Telephone Receiver	Object		05A.01.AR03	Lampighter Pole	Object
	04A.01.AR10	Bell Liquid Telephone Transmitter	Object		05A.01.AR04	Lamp Stair	Object
	04A.01.AR11	Bell Centennial Telephone	Object		05A.01.AR05	Binoculars	Object
	04A.01.AR12	Demonstration Dial Telegraph Receiver	Object		05A.01.AR06	Compass	Object



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KEY PLAN:

N/A















**ARTIFACT SCHEDULE CONT'D**

Drawn By Kübra Sütlaş

**EX.2.14**

Scale N/A

## CONT'D ARTIFACT SCHEDULE

ARTIFACT	CODE	DESCRIPTION	STYLE	ARTIFACT	CODE	DESCRIPTION	STYLE
	05A.01.AR07	Old Map	Object		06A.01.AR05	Edison Lamp with Johnson Bevel-Ring Base, 1881	Object
	05A.02.AR01	Binoculars	Object		06A.01.AR06	Edison Lamp with Plaster Ring Base, 1883	Object
	05A.02.AR02	Binoculars	Object		06A.01.AR07	Edison Lamp with Hairpin Filament, 1883	Object
	06A.01.AR01	Edison's First Incandescent Lamp, 1880	Object		06A.01.AR08	Edison Lamp with Carbon Clamps, 1885	Object
	06A.01.AR02	Edison Spear Point Lamp, 1880	Object		06A.01.AR09	Edison Lamp with Hairpin Carbon, 1888	Object
	06A.01.AR03	Edison Lamp Using Kerosene Lid for Base, 1880	Object		06A.01.AR10	Perkins-Mather Hairpin Paper Filament Lamp, 1880	Object
	06A.01.AR04	Edison Lamp with Johnson Bevel-Ring Base 1880	Object		06A.01.AR11	Perkins-Mather Multi-Filament Lamp, 1880	Object



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KEY PLAN:

N/A















**ARTIFACT SCHEDULE CONT'D**

Drawn By Kübra Sütlaş

**EX.2.15**

Scale N/A

## CONT'D ARTIFACT SCHEDULE

ARTIFACT	CODE	DESCRIPTION	STYLE	ARTIFACT	CODE	DESCRIPTION	STYLE
	06A.01.AR12	Perkins-Mather Spiral Filament Lamp, 1880	Object		06A.01.AR19	Westinghouse Stopper with Removable Base, 1889	Object
	06A.01.AR13	Perkins-Mather Hairpin Filament Lamp, 1889	Object		06A.01.AR20	Packard-Thomson Houston Base, 1889	Object
	06A.01.AR14	Edison Hairpin Filament Lamp, 1888	Object		06A.01.AR21	Edison with Hairpin Filament, 1888	Object
	06A.01.AR15	Maxim, No Base Lamp, 1880	Object		06A.01.AR22	Tamadine Filament, 1885	Object
	06A.01.AR16	Maxim, Unusal Base Lamp, 1880	Object		06A.01.AR23	Beacon Stopper, Westinghouse Base, 1885	Object
	06A.01.AR17	Shelby Tipless Cranberry Lamp, 1889	Object		06A.01.AR24	Beacon, Houston Base, 1888	Object
	06A.01.AR18	Brush-Swan Wood Base Lamp, 1885	Object		06A.01.AR25	Woodhouse, Rawson with Wood Base, 1880	Object



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KEY PLAN:

N/A















**ARTIFACT SCHEDULE CONT'D**

Drawn By Kübra Sütlaş

**EX.2.16**

Scale N/A

## CONT'D ARTIFACT SCHEDULE

ARTIFACT	CODE	DESCRIPTION	STYLE	ARTIFACT	CODE	DESCRIPTION	STYLE
	06A.01.AR26	Beacon with Thomson Base Lamp, 1889	Object		06A.01.AR33	Shaefer with Shaefer Base, 1889	Object
	06A.01.AR27	Beacon with Thomson Base Dark Amber Lamp, 1889	Object		06A.01.AR34	Westinghouse Cranberry Glass, 1889	Object
	06A.01.AR28	Heissler with Unusual Base, 1889	Object		06A.01.AR35	Westinghouse with Lange Base 1889	Object
	06A.01.AR29	Brush-Swan Lamp, 1885	Object		06A.01.A36	Peerless with Brush-Swan Base, 1889	Object
	06A.01.AR30	Swan with Hooke Base, 1885	Object		06A.01.AR37	Colombia with Edison Base, 1889	Object
	06A.01.AR31	Swan-Thomson with Hooke Base, 1885	Object		06A.01.AR38	First Ammeter, 1884	Object
	06A.01.AR32	Sunbeam with No Base, 1886	Object		06A.01.AR39	Edison's Chemical Meter, 1883	Object



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KEY PLAN:

N/A

**ARTIFACT SCHEDULE CONT'D**

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**EX.2.17**

Scale

N/A



## CONT'D ARTIFACT SCHEDULE

ARTIFACT	CODE	DESCRIPTION	STYLE	ARTIFACT	CODE	DESCRIPTION	STYLE
	06A.01.AR40	First Light Switch, 1884	Object		06A.02.AR05	Edison's Grenet Cell Battery, 1888	Object
	06A.01.AR41	New Type Edison Railway Series, 1886	Object		06A.02.AR06	Demonstration of Edison's Battery	Photograph
	06A.01.AR42	Old Book	Object		06A.03.AR01	Joseph Swan's Lighting Bulb, 1880	Object
	06A.02.AR01	Volta's Piles Battery	Object		06A.03.AR02	Armchair of 1880s	Object
	06A.02.AR02	Volta's Piles Battery	Object		06A.03.AR03	Joseph Swan	Photograph
	06A.02.AR03	Volta's Piles Battery	Object		07A.01.AR01	Edison's Phonograph, 1880	Object
	06A.02.AR04	Demonstration of Volta's Battery	Photograph		07A.01.AR02	Edison's Phonograph Advertisement	Photograph



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KEY PLAN:

N/A

**ARTIFACT SCHEDULE CONT'D**















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**EX.2.18**

Scale

N/A

## CONT'D ARTIFACT SCHEDULE

ARTIFACT	CODE	DESCRIPTION	STYLE	ARTIFACT	CODE	DESCRIPTION	STYLE
	07A.01.AR03	Edison's Phonograph Advertisement	Photograph		07A.03.AR03	Singing Condenser, 1882	Object
	07A.01.AR04	Edison's Phonograph	Photograph		08A.01.AR01	First Electric Kettle, 1890	Object
	07A.02.AR01	Hertz Transmitting Apparatus, 1890	Object		08A.01.AR02	First Electric Toaster, 1893	Object
	07A.02.AR02	Hertz Resonator for Detecting Hertzian Waves, 1890	Object		08A.01.AR03	First Electric Grinder	Object
	07A.02.AR03	Righi Hertzian-Wave Test Bench 1890	Object		08A.01.AR04	First Electric Oven	Object
	07A.03.AR01	First Electric Hearing Aid 1890	Object		08A.01.AR05	First Electric Blender	Object
	07A.03.AR02	First Electric Hearing Aid	Photograph		08A.01.AR06	First Electric Dishwasher, 1886	Object



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KEY PLAN:

N/A

**ARTIFACT SCHEDULE CONT'D**















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**EX.2.19**

Scale

N/A

## CONT'D ARTIFACT SCHEDULE

ARTIFACT	CODE	DESCRIPTION	STYLE	ARTIFACT	CODE	DESCRIPTION	STYLE
	08A.01.AR07	Food Electric Blender, 1885	Object		09A.01.AR03	Blake Transmitter, 1883	Object
	08A.01.AR08	First Electric Stove, 1890	Object		09A.01.AR04	Caligraph Typewriter, 1889	Object
	08A.01.AR09	First Electric Iron, 1883	Object		09A.01.AR05	Smith Typewriter, 1890	Object
	08A.01.AR10	First Electric Sewing Machine, 1889	Object		09A.01.AR06	Hammond Typewriter, 1881	Object
	08A.01.AR11	First Electric Vacuum Cleaner, 1890	Object		09A.01.AR07	Malling Hansen's Typing Ball, 1882	Object
	09A.01.AR01	Hughes Telegraph, 1885	Object		09A.01.AR08	Edison's Electric Pen, 1882	Object
	09A.01.AR02	Bonderi Needle Telegraph Receiver, 1885	Object		09A.02.AR01	Cabinet Desk Phone Electric, 1890	Object



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KEY PLAN:

N/A

**ARTIFACT SCHEDULE CONT'D**











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**EX.2.20**

Scale

N/A

## CONT'D ARTIFACT SCHEDULE

ARTIFACT	CODE	DESCRIPTION	STYLE	ARTIFACT	CODE	DESCRIPTION	STYLE
	09A.02.AR02	Wall Telephone, 1891	Object		10A.01.AR03	First Electric Car Poster	Photograph
	09A.02.AR03	Ericsson "Eiffel Tower" Telephone 1892	Object		10A.01.AR04	First Traffic Light	Object
	09A.02.AR04	SIT "Trefle" Telephone 1890	Object		10A.01.AR05	First Electric Street Light	Object
	09A.02.AR05	Candlestick Stomberg Carlson, 1890	Object				
	09A.02.AR06	Potbelly Dial Candlestick Strowger, 1900	Object				
	10A.01.AR01	First Electric Car, 1885	Object				
	10A.01.AR02	Karl Benz's Car Wheel, 1885	Object				



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KEY PLAN:

N/A

**ARTIFACT SCHEDULE CONT'D**








Drawn By Kübra Sütlaş

**EX.2.21**

Scale

N/A

## LIGHTING SCHEDULE

CODE	TYPE	DESCRIPTION	MANUFACTURER	WATTS	VOLTAGE	THUMBNAIL
L.01	LED	Paloma Monopoint Luminaire	WAC Lighting	23 W	120-277 V	
L.02	LED Spot Light	Source Four Mini Gobo	ETC Lighting	12 W	120-230 V	
L.03	LED Spot Light	L-MTSP-02 Micro Track Light	LUXAM	3.8 W	12 V	
L.03.01	Track	L-MTHTK H-Track Black	LUXAM	N/A	N/A	
L.04	LED Spot Light	Micron Adjustable Recessed Spot Light	Forma Lighting	9 W	120 V	
L.05	LED Track Light	Black Irideon Series	ETC Lighting	20 W	100-120 V	
L.06	LED Projector	Image Spot Mini Colorful Gobo	Rosco	14 W	100-120 V	



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KEY PLAN:

N/A

**LIGHTING SCHEDULE**

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**EX.2.22**

Scale N/A

# **PLANS & SECTIONS**



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KEY PLAN:

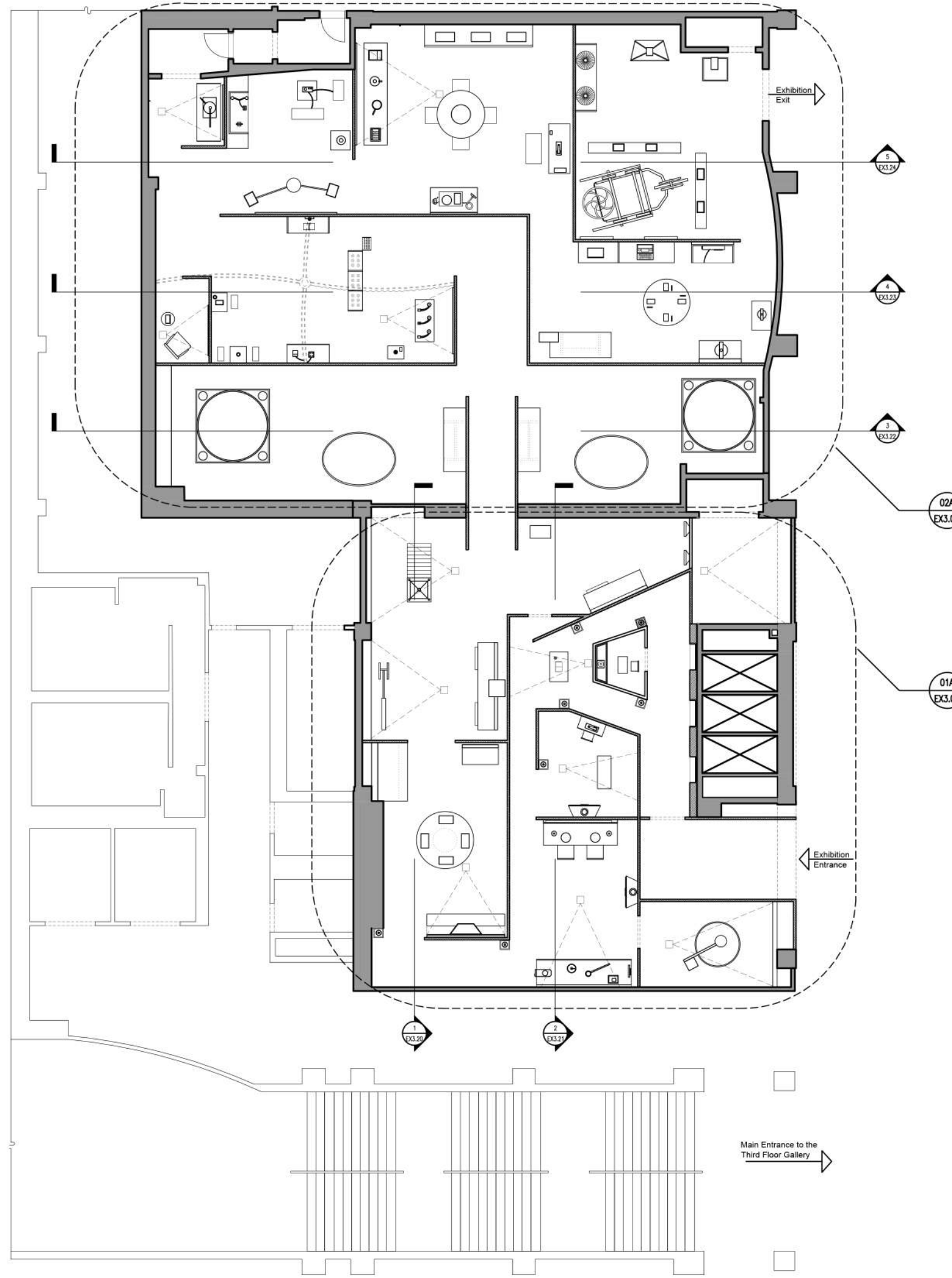


## CODED FLOOR PLAN

Drawn By Kübra Sütlaş

**EX.3.01**

Scale 1/16"=1'-0"



**1** CODED FLOOR PLAN  
1/16"=1'-0"



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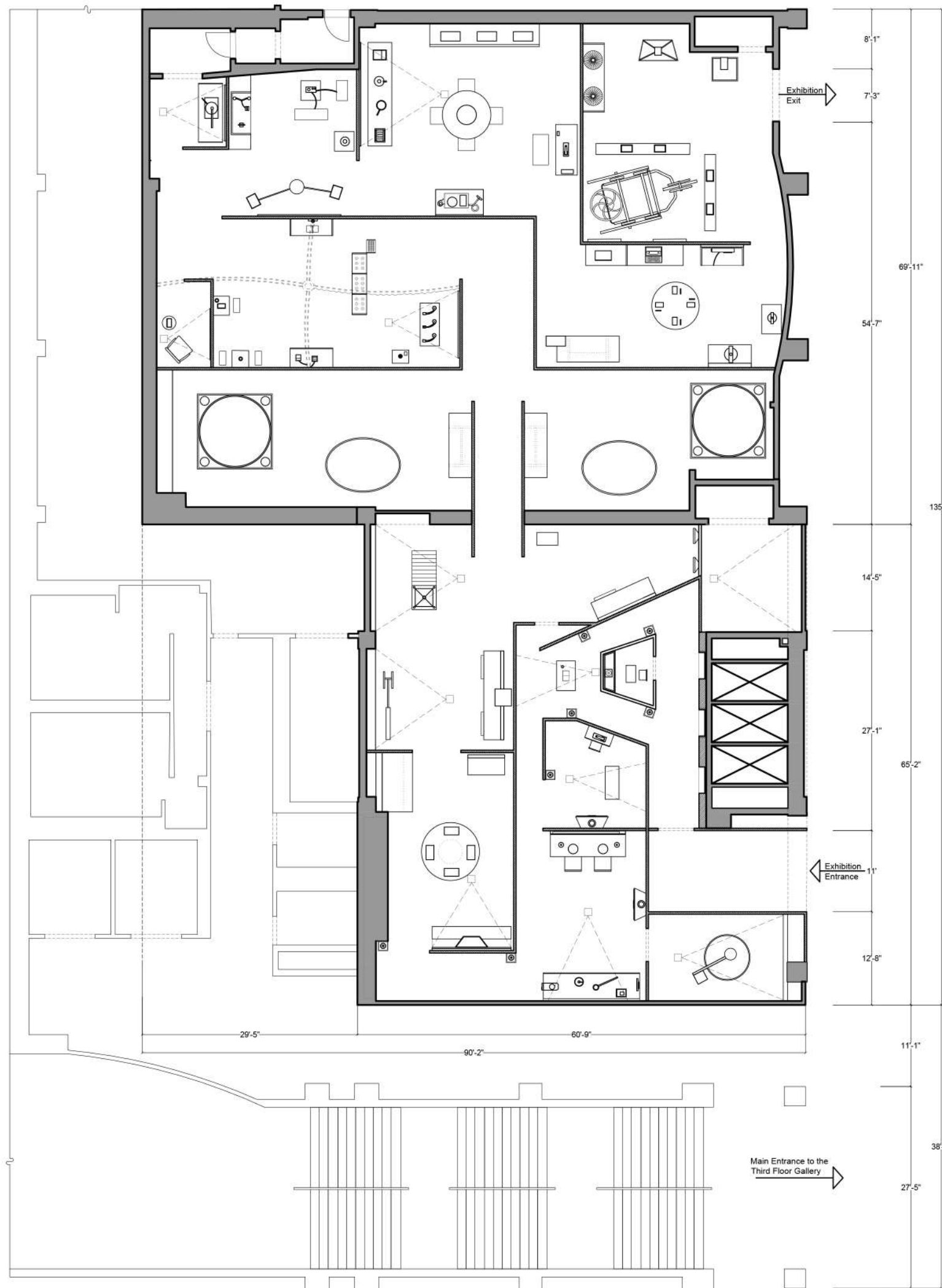
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KEY PLAN:



1

OVERALL DIMENSION PLAN

1/16"=1'-0"

OVERALL DIMENSION PLAN

Drawn By Kübra Sütlaş

**EX.3.02**

Scale 1/16"=1'-0"





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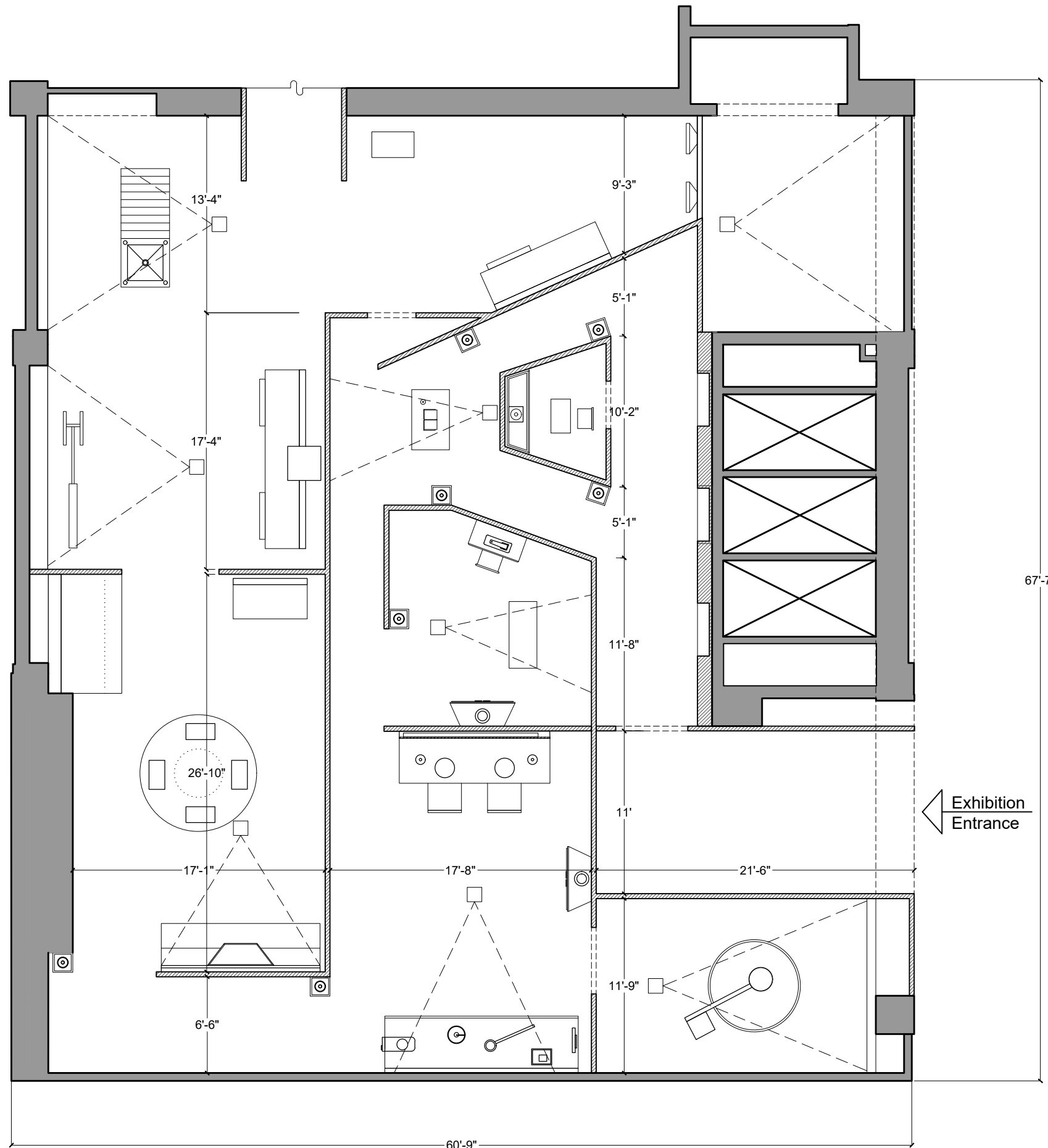
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KEY PLAN:



1

01A PARTIAL DIMENSION PLAN  
1/8"=1'-0"

**01A PARTIAL DIMENSION PLAN**

Drawn By Kübra Sütlaş

**EX.3.03**

Scale 1/8"=1'-0"



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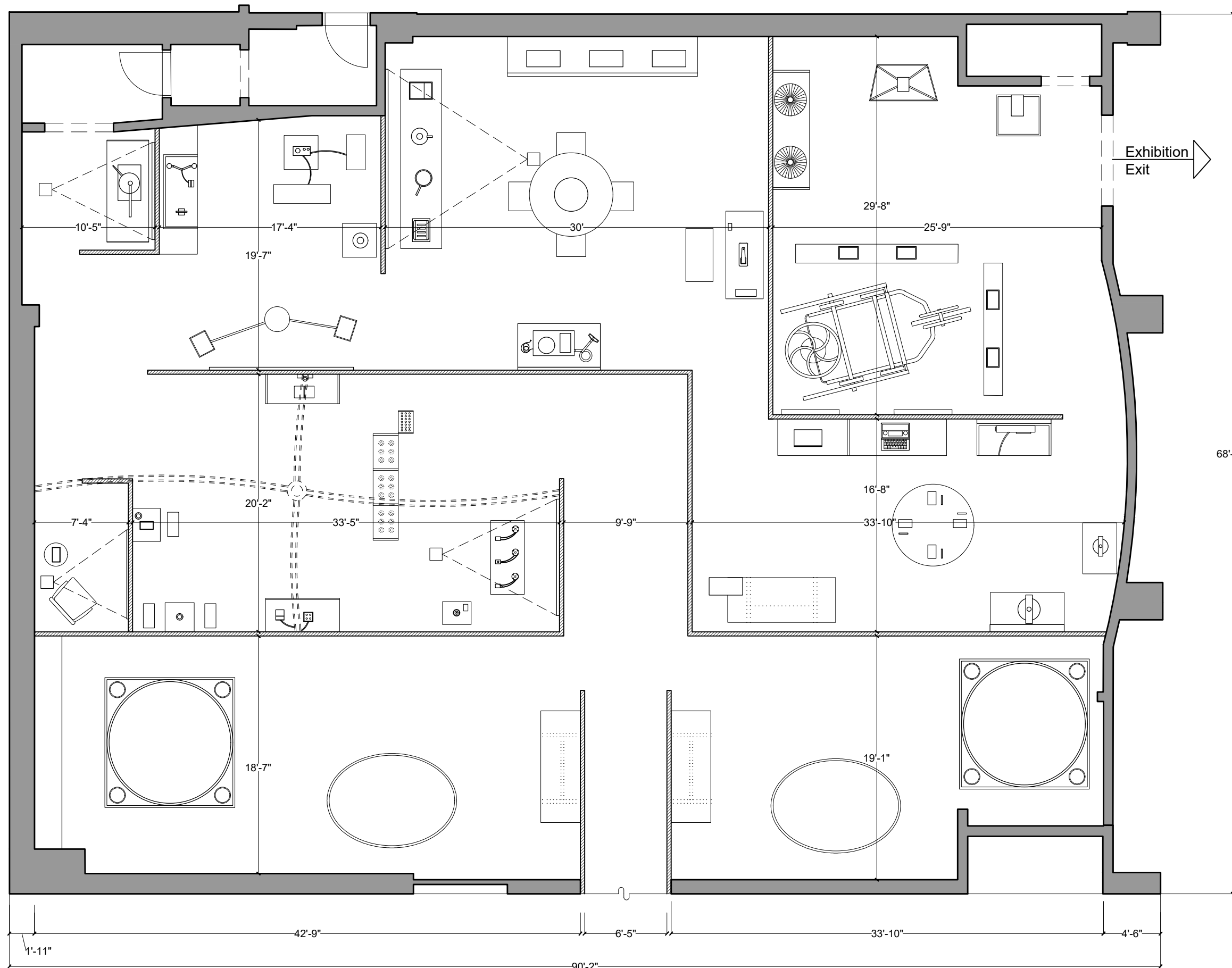


### 02A PARTIAL DIMENSION PLAN

Drawn By Kübra Sütlaş

### EX.3.04

Scale 1/8"=1'-0"





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KEY PLAN:



LEGEND:

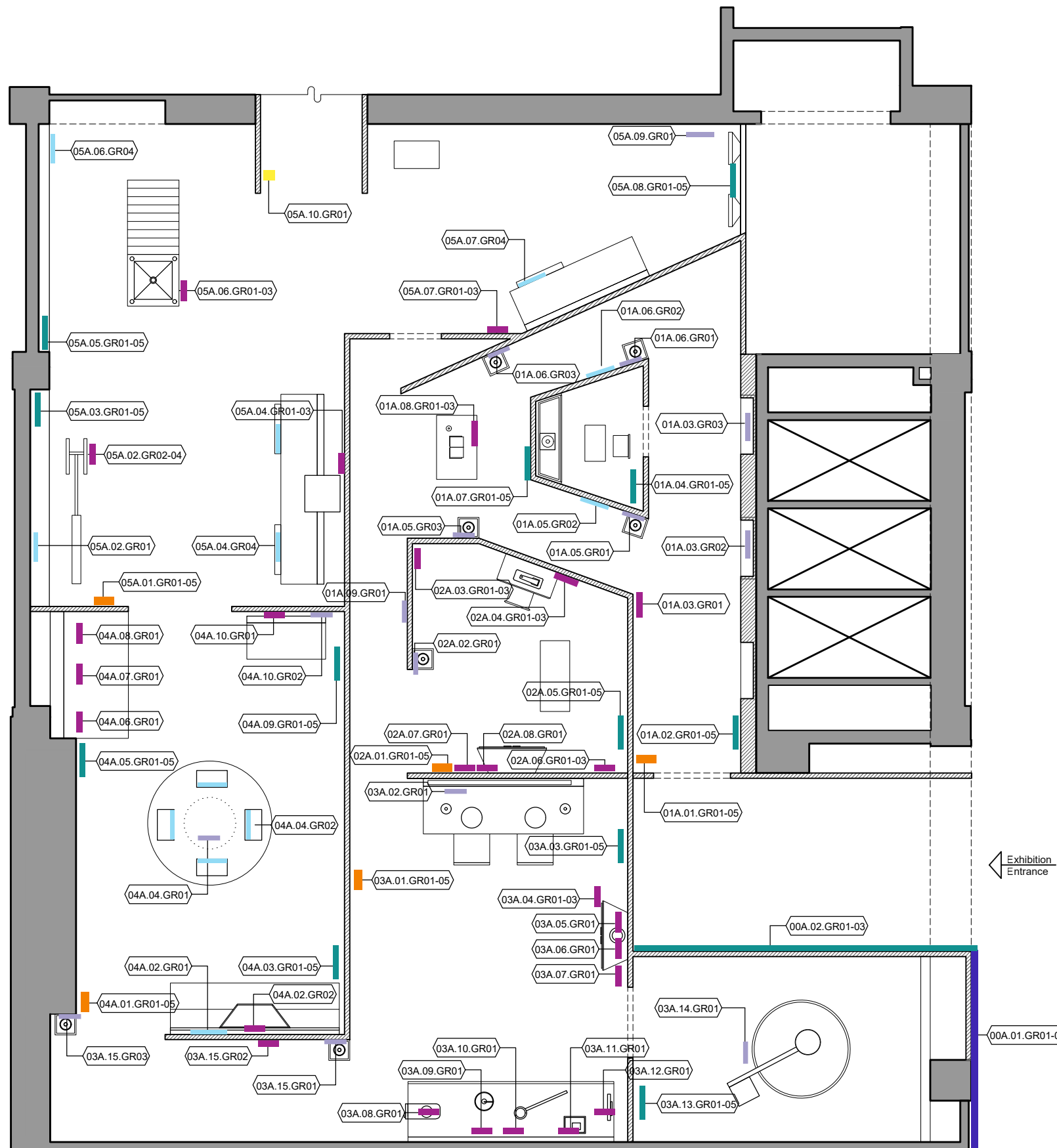
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|-----------------------|--------------------|
| Introduction Graphics | Directive Graphics |
| Area Introduction     | Digital Media      |
| Section Introduction  | Wayfinding         |
| Artifact Labels       |                    |

### 01A GRAPHIC LOCATION PLAN

Drawn By Kübra Sütlaş

## EX.3.06

Scale 1/8"=1'-0"





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KEY PLAN:



LEGEND:

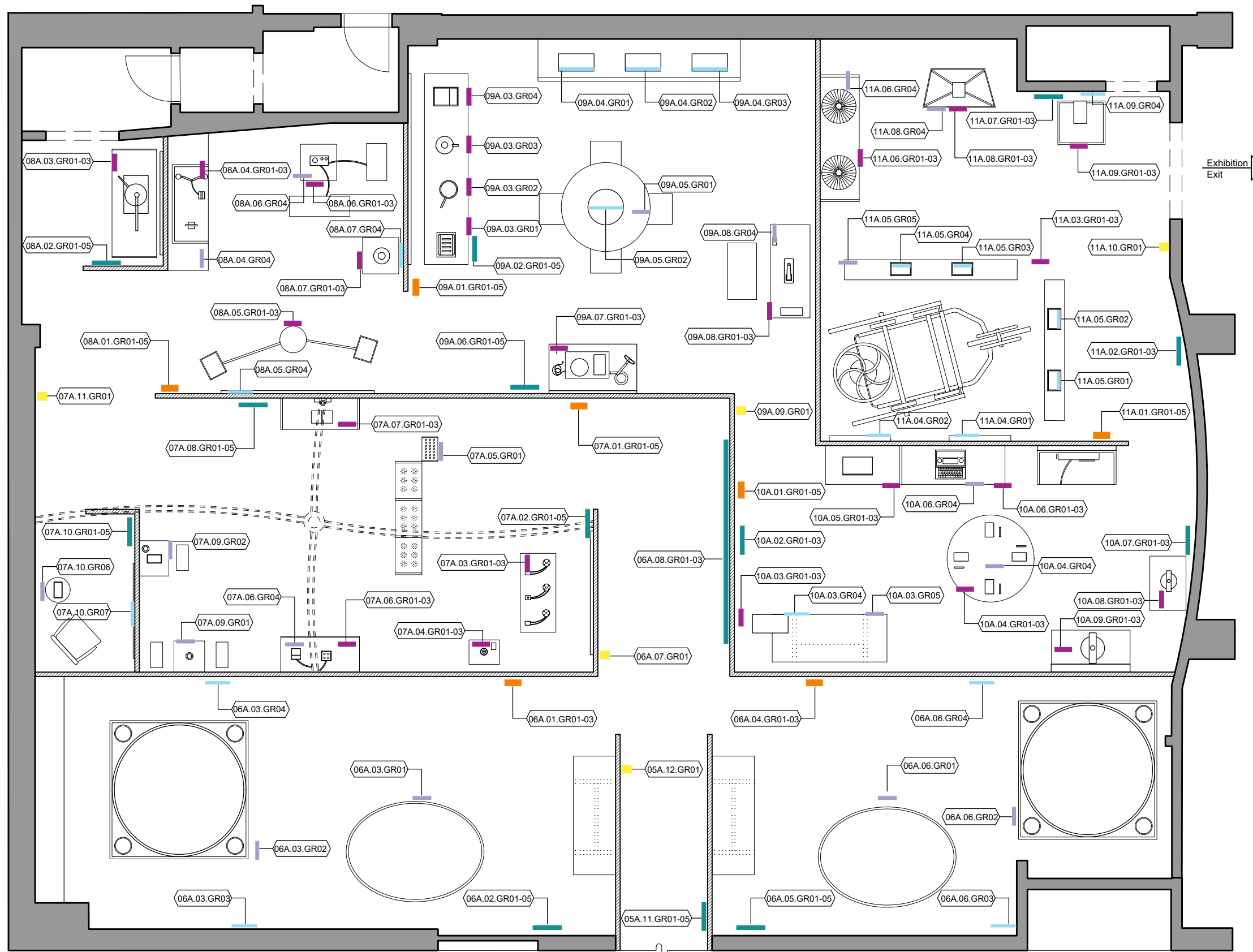
- |                       |                    |
|-----------------------|--------------------|
| Introduction Graphics | Directive Graphics |
| Area Introduction     | Digital Media      |
| Section Introduction  | Wayfinding         |
| Artifact Labels       |                    |

### 02A GRAPHIC LOCATION PLAN

Drawn By Kübra Sütlaş

## EX.3.07

Scale 1/8"=1'-0"





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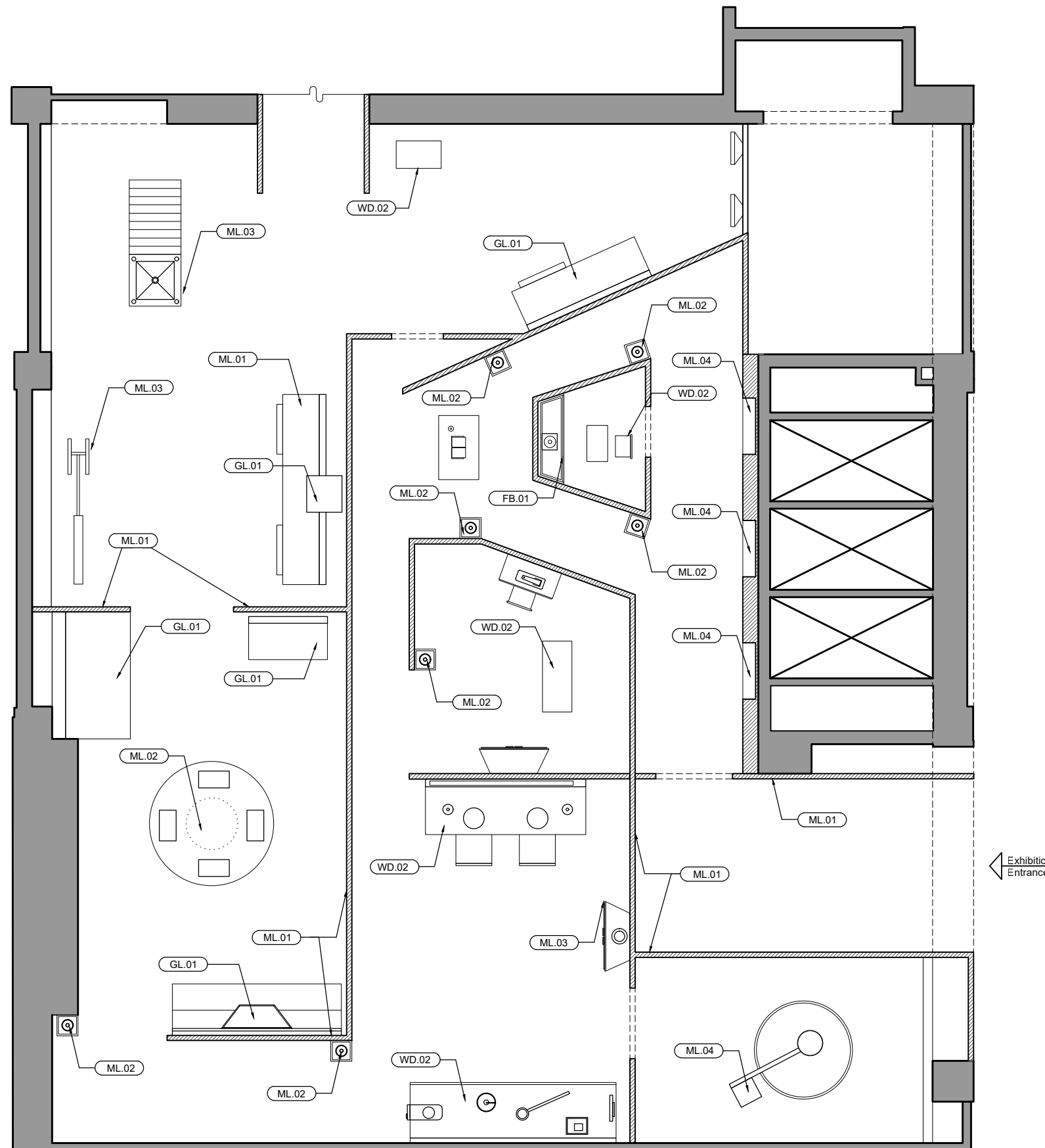
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KEY PLAN:



1

01A MATERIAL LOCATION PLAN  
1/8"=1'-0"

**01A MATERIAL LOCATION PLAN**

Drawn By Kübra Sütlaş

**EX.3.08**

Scale 1/8"=1'-0"



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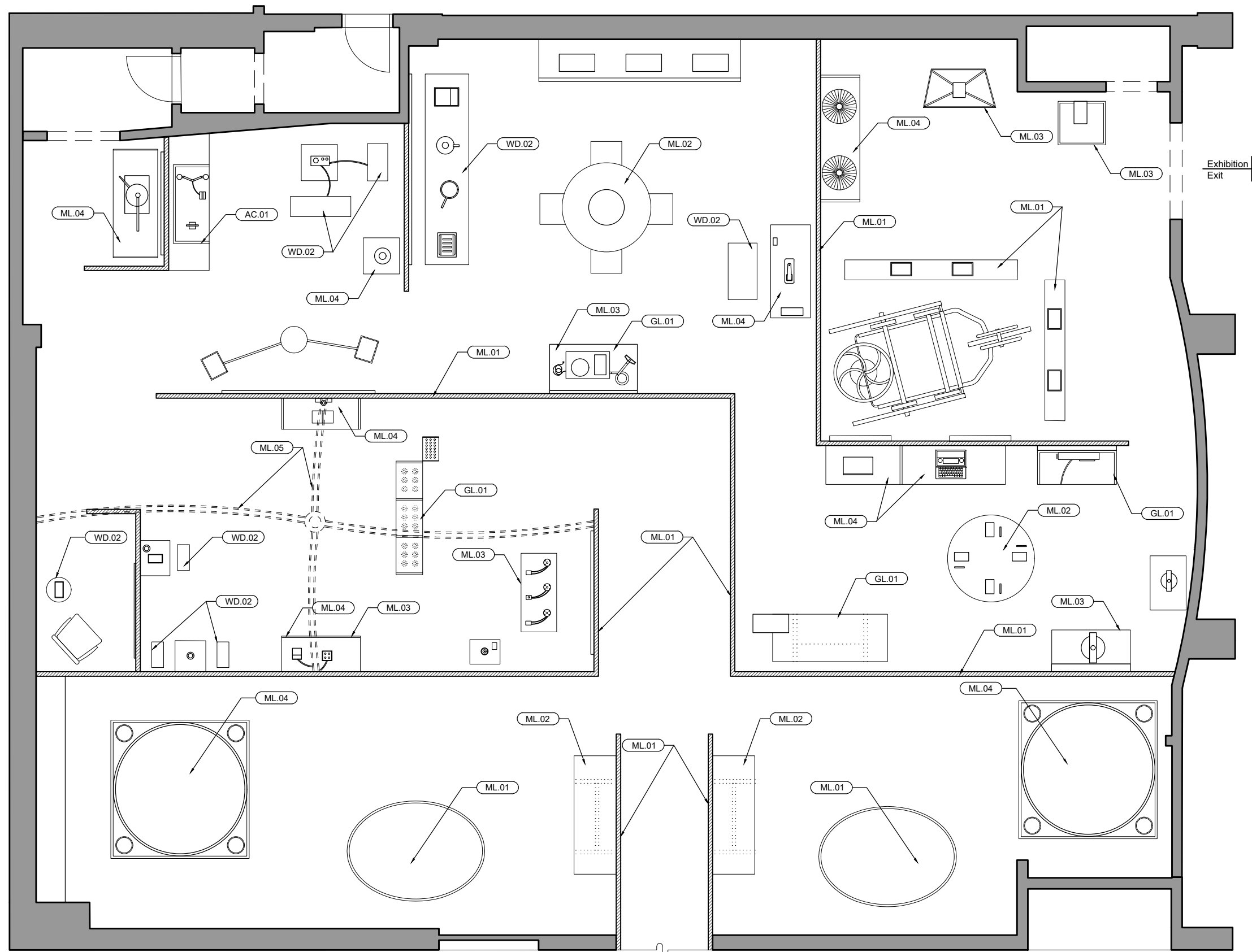


**02A MATERIAL LOCATION PLAN**

Drawn By Kübra Sütlaş

**EX.3.09**

Scale 1/8"=1'-0"



1

02A MATERIAL LOCATION PLAN

1/8"=1'-0"



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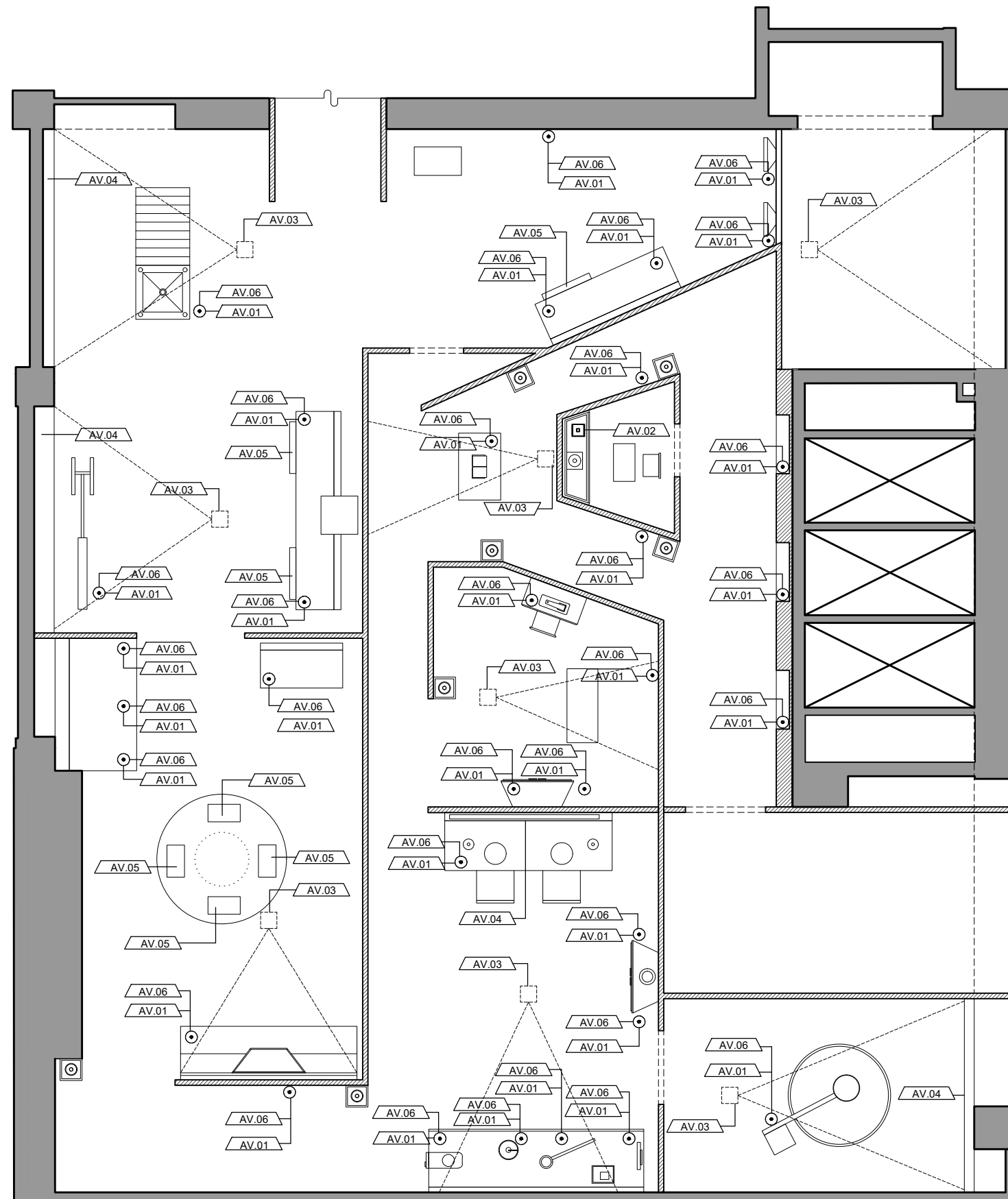
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KEY PLAN:



← Exhibition Entrance

## 01A AV LOCATION PLAN

Drawn By Kübra Sütlaş

## EX.3.10

Scale 1/8"=1'-0"



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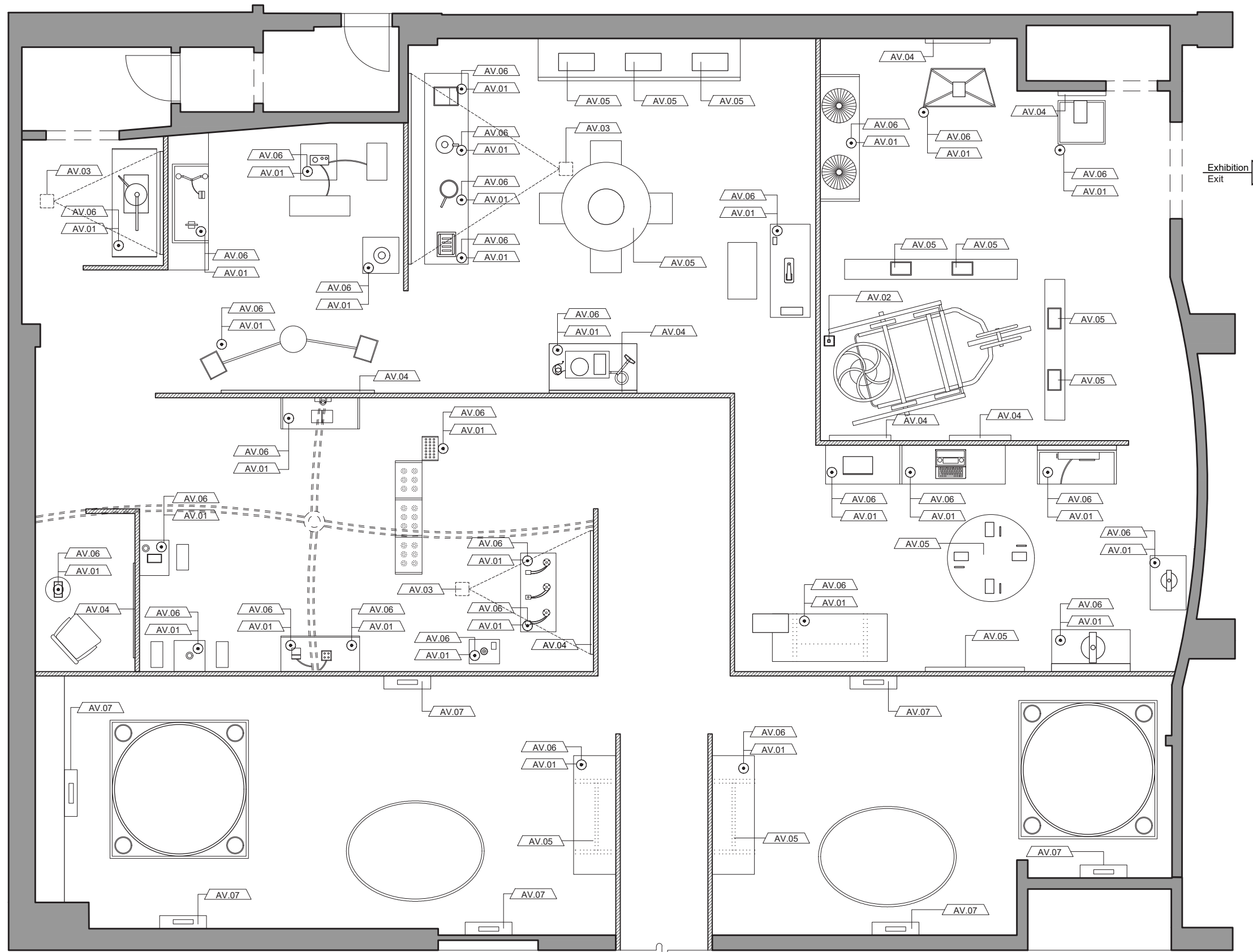


## 02A AV LOCATION PLAN

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**EX.3.11**

Scale 1/8"=1'-0"







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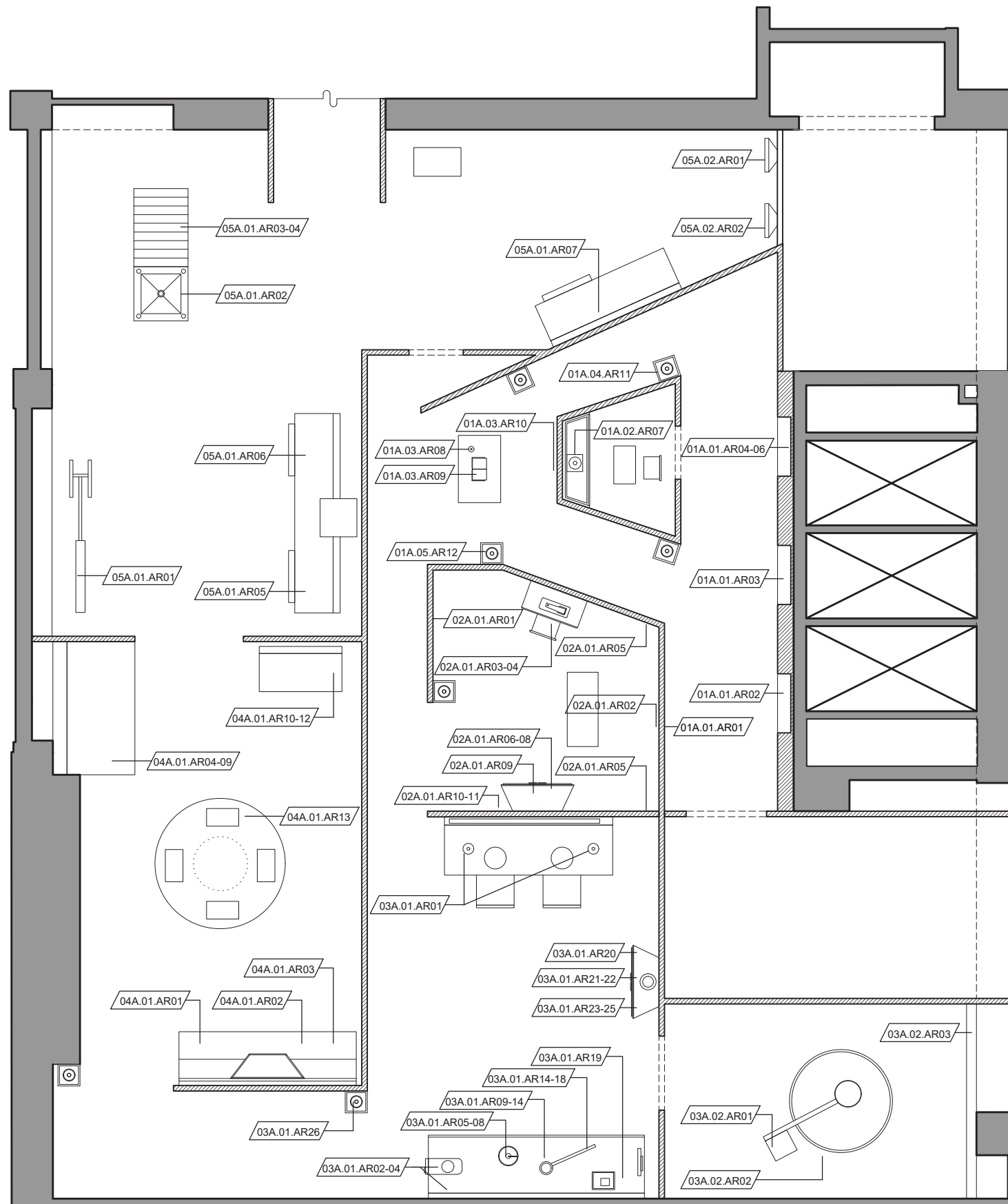
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KEY PLAN:



← Exhibition Entrance

### 01A ARTIFACT LOCATION PLAN

Drawn By Kübra Sütlaş

### EX.3.12

Scale 1/8"=1'-0"



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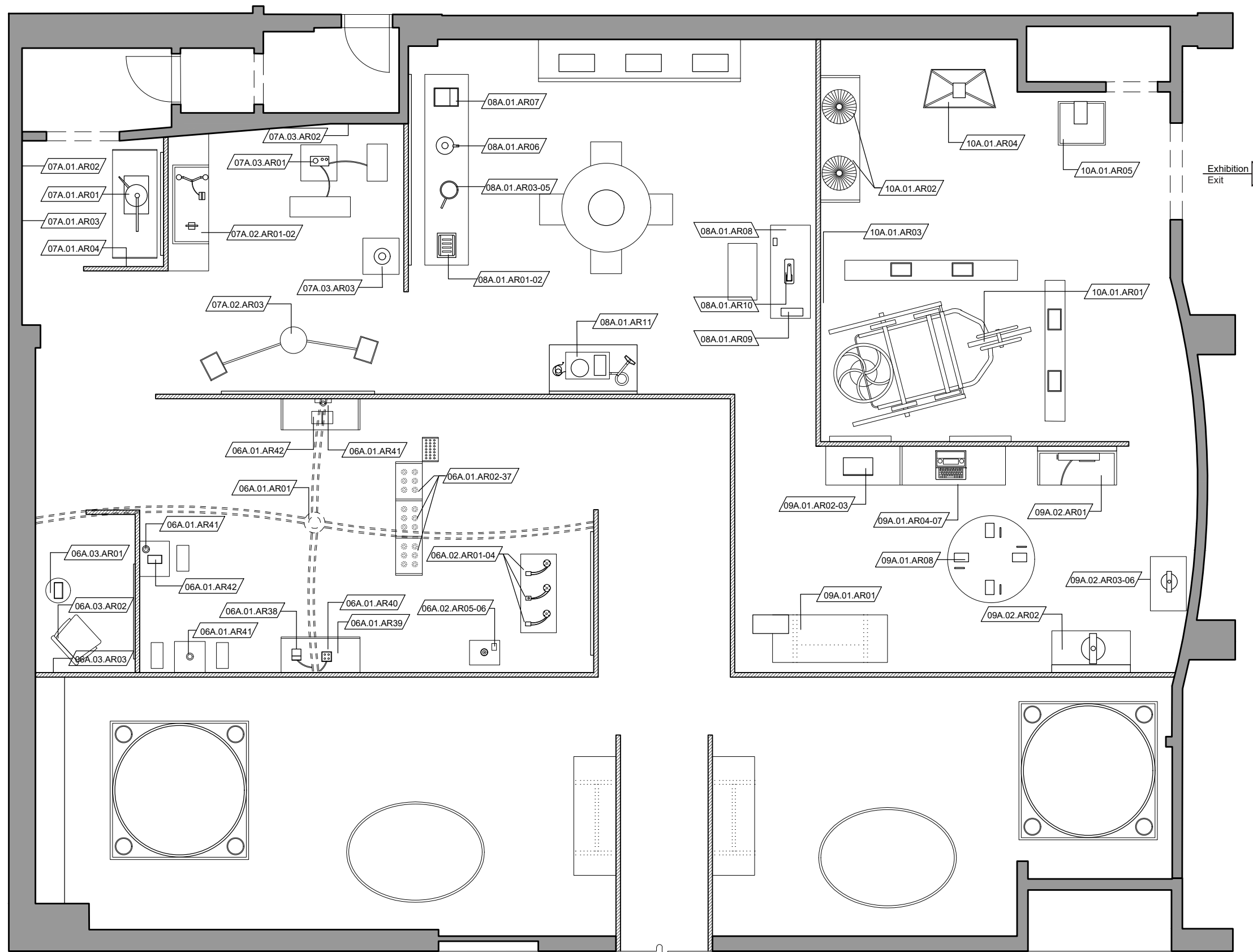
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KEY PLAN:





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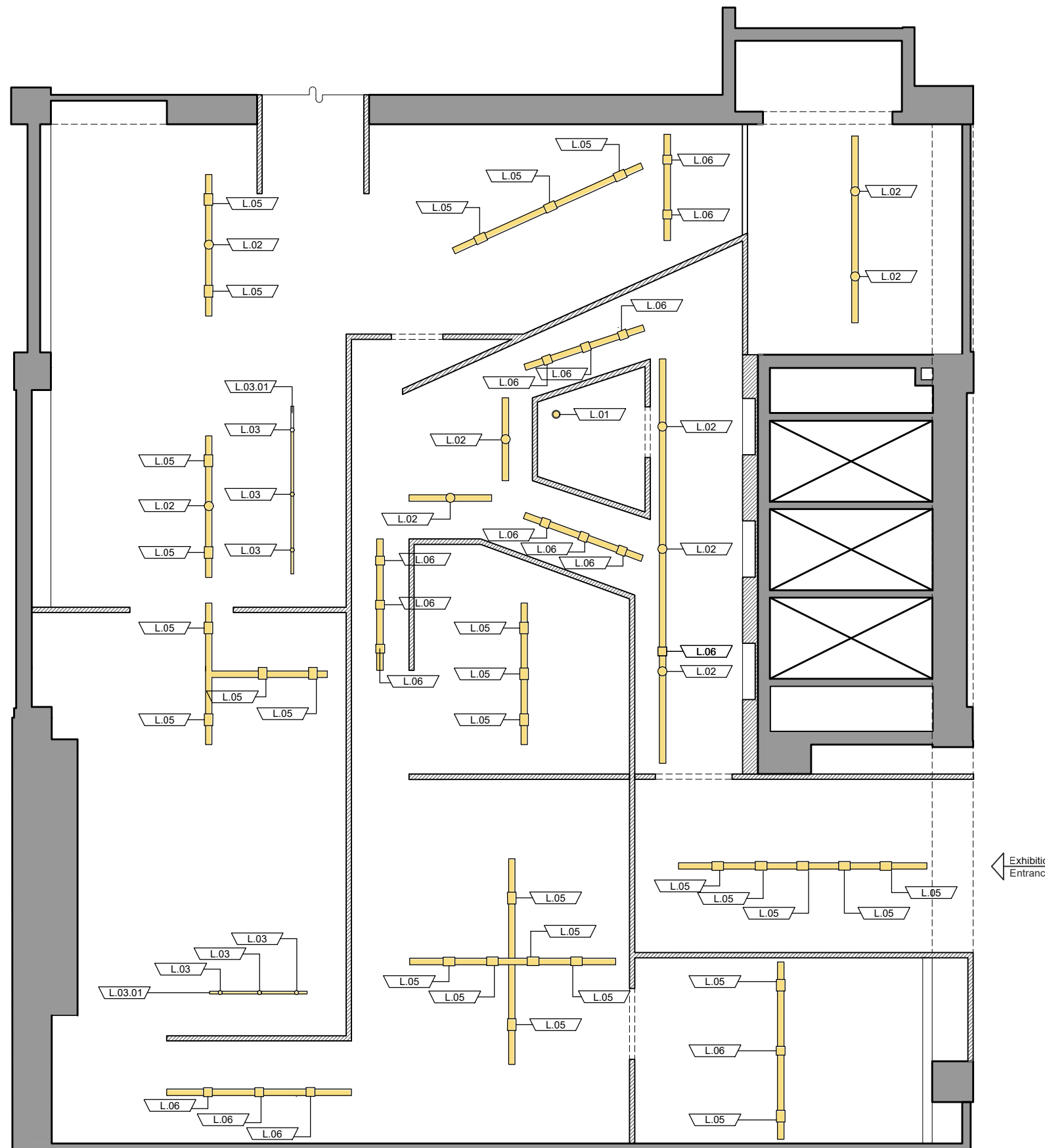
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KEY PLAN:



← Exhibition Entrance

1

01A REFLECTED CEILING PLAN  
1/8"=1'-0"

**01A REFLECTED CEILING PLAN**

Drawn By Kübra Sütlaş

**EX.3.14**

Scale 1/8"=1'-0"



School of Graduate Studies  
Exhibition & Experience Design

## KÜBRA SÜTLAŞ

PROJECT:

**BEYOND THE VISIBLE:**  
The Transformation of  
Electricity in Our Lives

CLIENT:

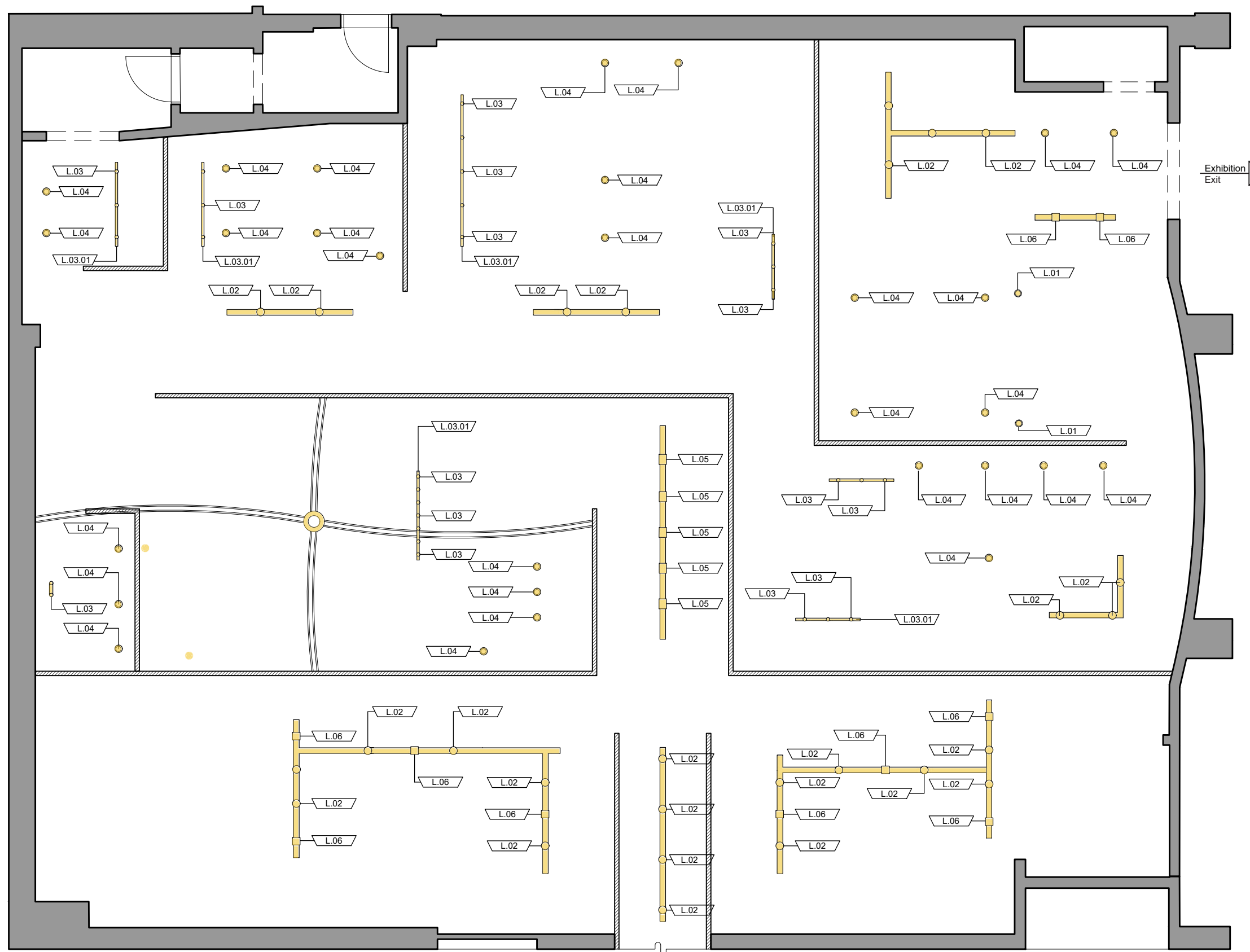
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KEY PLAN:





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## KÜBRA SÜTLAŞ

PROJECT:

**BEYOND THE VISIBLE:**  
The Transformation of  
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CLIENT:

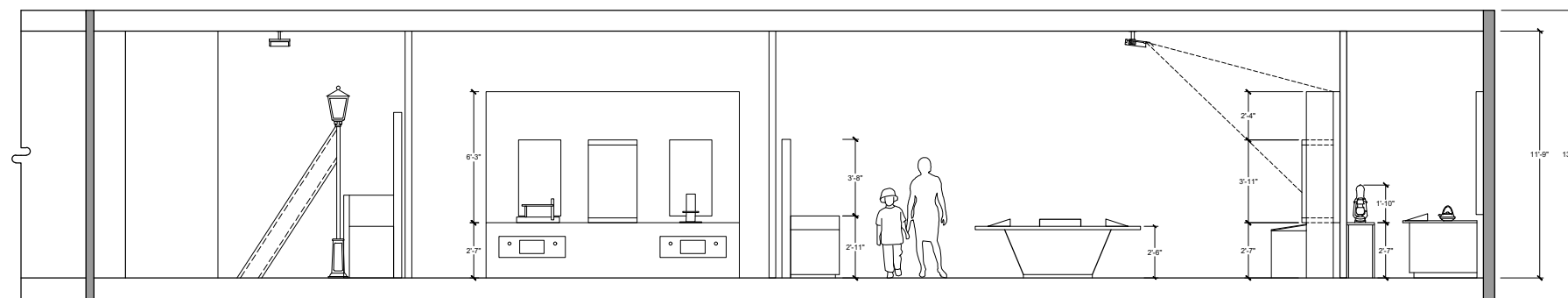
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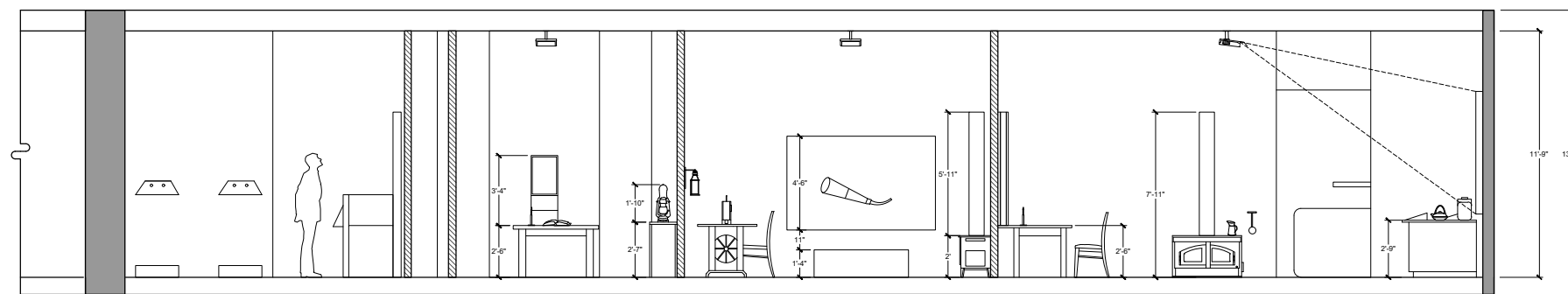
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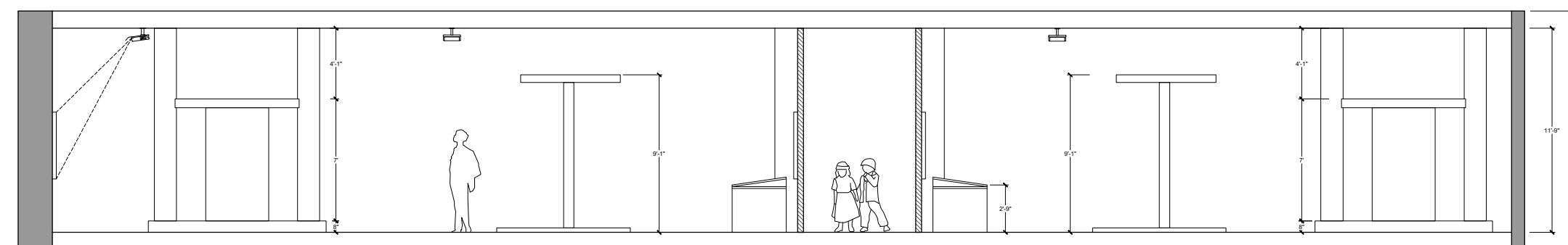
KEY PLAN:



**1** SECTION ELEVATION 1  
1/8"=1'-0"



**2** SECTION ELEVATION 2  
1/8"=1'-0"



**3** SECTION ELEVATION 3  
1/8"=1'-0"

## ELEVATIONS

Drawn By Kübra Sütlaş

## EX.3.20

Scale 1/8"=1'-0"



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PROJECT:

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CLIENT:

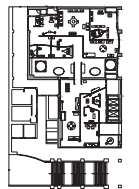
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KEY PLAN:

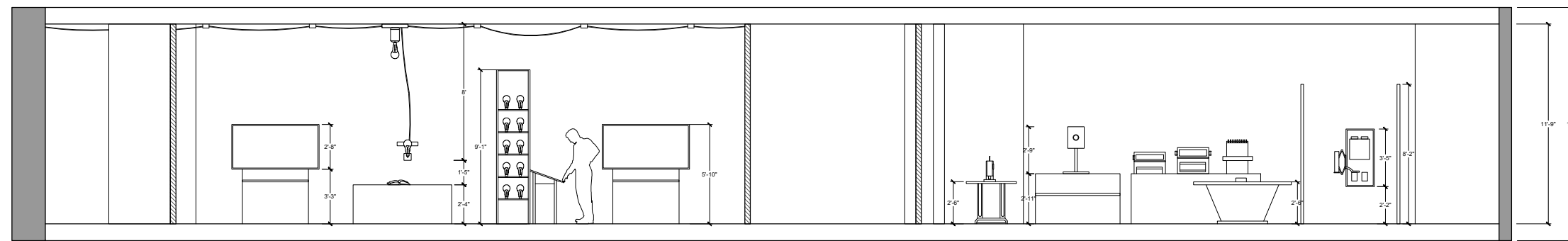


**ELEVATIONS CONT'D**

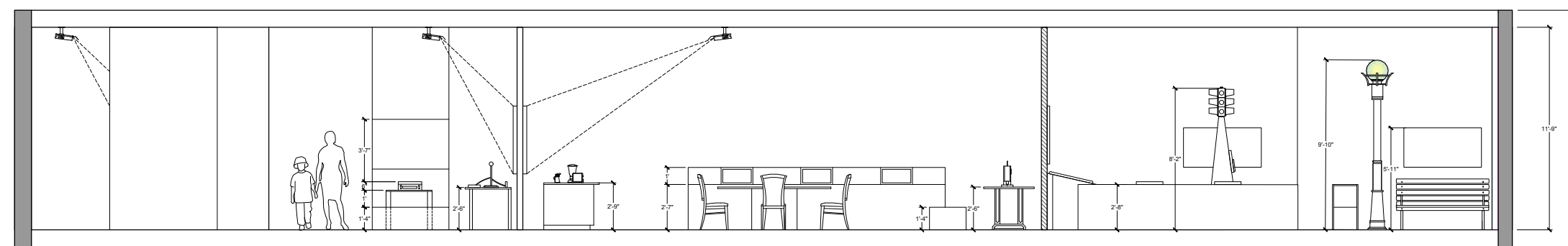
Drawn By Kübra Sütlaş

**EX.3.21**

Scale 1/8"=1'-0"



**1** SECTION ELEVATION 4  
1/8"=1'-0"



**2** SECTION ELEVATION 5  
1/8"=1'-0"

# GRAPHICS

Pantone Neutral  
Black C

Pantone  
7404 C

Pantone  
716 C

Pantone  
662 C

Pantone  
310 C

Pantone  
254 C

Pantone  
267 C

Pantone  
2635 C

Pantone  
7539 C

Pantone  
2915 C

**Trade Gothic Next Pro**

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

**Plantin MT Pro**

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890

**Karbon**

ABCDEFGHIJKLMNOPQRSTUVWXYZ

abcdefghijklmnopqrstuvwxyz

1234567890



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PROJECT:

**BEYOND THE VISIBLE:**

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Electricity in Our Lives

CLIENT:

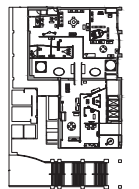
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KEY PLAN:



**GRAPHIC IDENTITY**

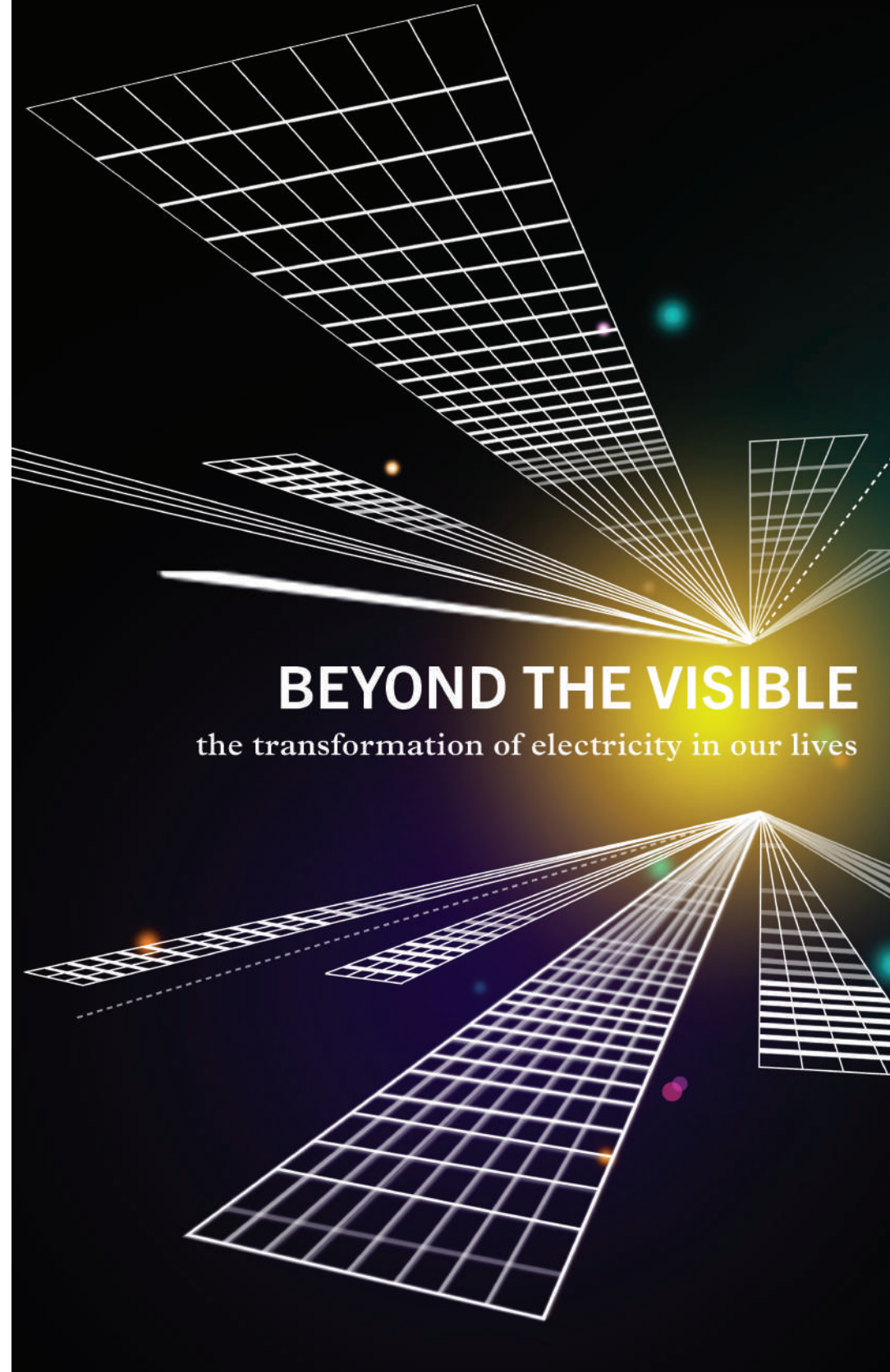
Drawn By Kübra Sütlaş

**EX.4.01**

Scale N/A



## GRAPHIC LOOK & FEEL



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KEY PLAN:



**GRAPHIC LOOK & FEEL**

Drawn By Kübra Sütlaş

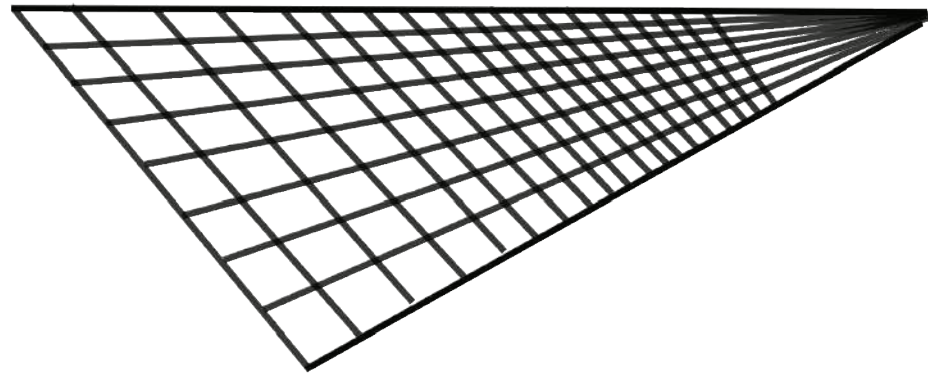
**EX.4.02**

Scale

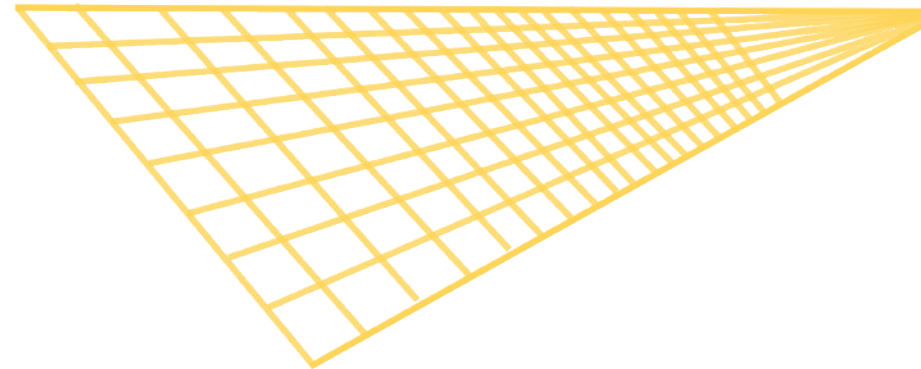
N/A

## LOGO ALTERNATIVES

**BEYOND THE VISIBLE**



**BEYOND THE VISIBLE**



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CLIENT:

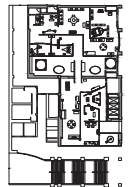
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KEY PLAN:



**LOGO**

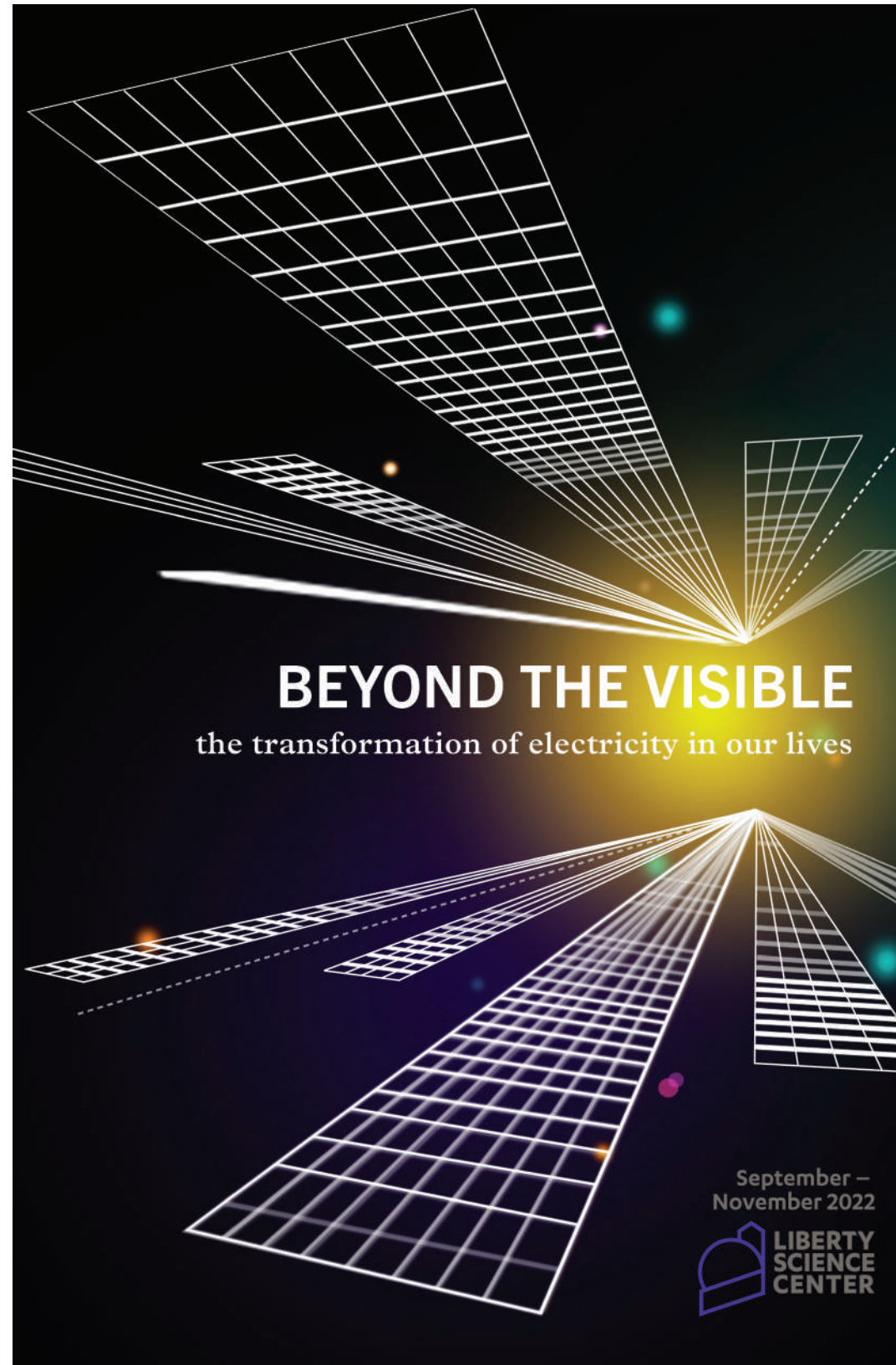
Drawn By Kübra Sütlaş

**EX.4.03**

Scale

N/A

# POSTER



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PROJECT:

**BEYOND THE VISIBLE:**  
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CLIENT:

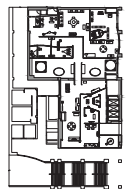
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KEY PLAN:



## POSTER

Drawn By Kübra Sütlaş

## EX.4.04

Scale N/A



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KEY PLAN:



**POSTER APPLIED**

Drawn By Kübra Sütlaş

**EX.4.05**

Scale

N/A

## COLLATERAL



FLASHLIGHT



ELECTRICITY BALL



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**KÜBRA SÜTLAŞ**

PROJECT:

**BEYOND THE VISIBLE:**  
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Electricity in Our Lives

CLIENT:

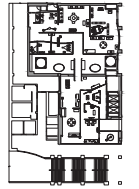
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KEY PLAN:



**COLLATERAL**

Drawn By Kübra Sütlaş

**EX.4.06**

Scale N/A



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## KÜBRA SÜTLAŞ

PROJECT:

**BEYOND THE VISIBLE:**  
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Electricity in Our Lives

CLIENT:

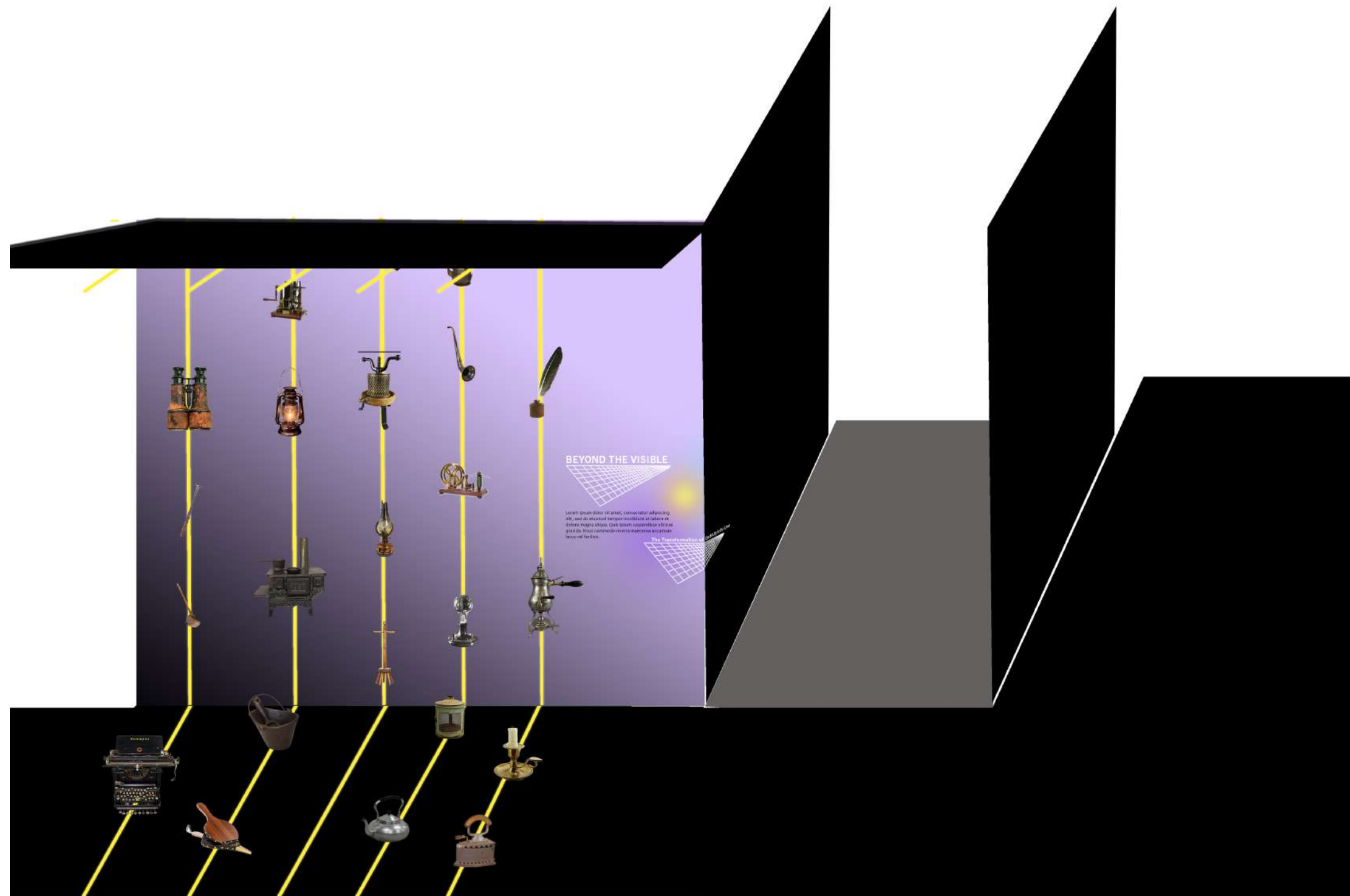
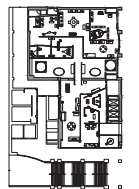
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KEY PLAN:



1

INTRODUCTION WALL 00A.01.GR01-06  
NOT TO SCALE

## INTRODUCTION GRAPHIC

Drawn By Kübra Sütlaş

**EX.4.07**

Scale

N/A



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## KÜBRA SÜTLAŞ

PROJECT:

**BEYOND THE VISIBLE:**  
The Transformation of  
Electricity in Our Lives

CLIENT:

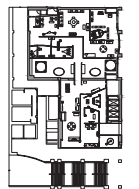
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KEY PLAN:



INTRODUCTION GRAPHIC CONT'D

Drawn By Kübra Sütlaş

## EX.4.08

Scale 1/2"=1'-0"

00A.01.GR02  
GRAPHIC TYPE K

00A.01.GR01  
GRAPHIC TYPE D

01A.01.GR04  
GRAPHIC TYPE I

01A.01.GR03  
GRAPHIC TYPE I

BEYOND THE VISIBLE

Beyond the visible exhibition focuses on mundane, domestic objects that reflect the time of the discovery of electricity, it reflects the time when there was no electricity, its birth and after the discovery of electricity.

The Transformation of

2'-4"

3'-6"

11'-9"

4" 2"

12'-8"

**1** FRONT ELEVATION 00A.01.GR01-06  
1/2"=1'-0"

**2** SIDE ELEVATION 00A.01.GR01-06  
1/2"=1'-0"



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PROJECT:

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Electricity in Our Lives

CLIENT:

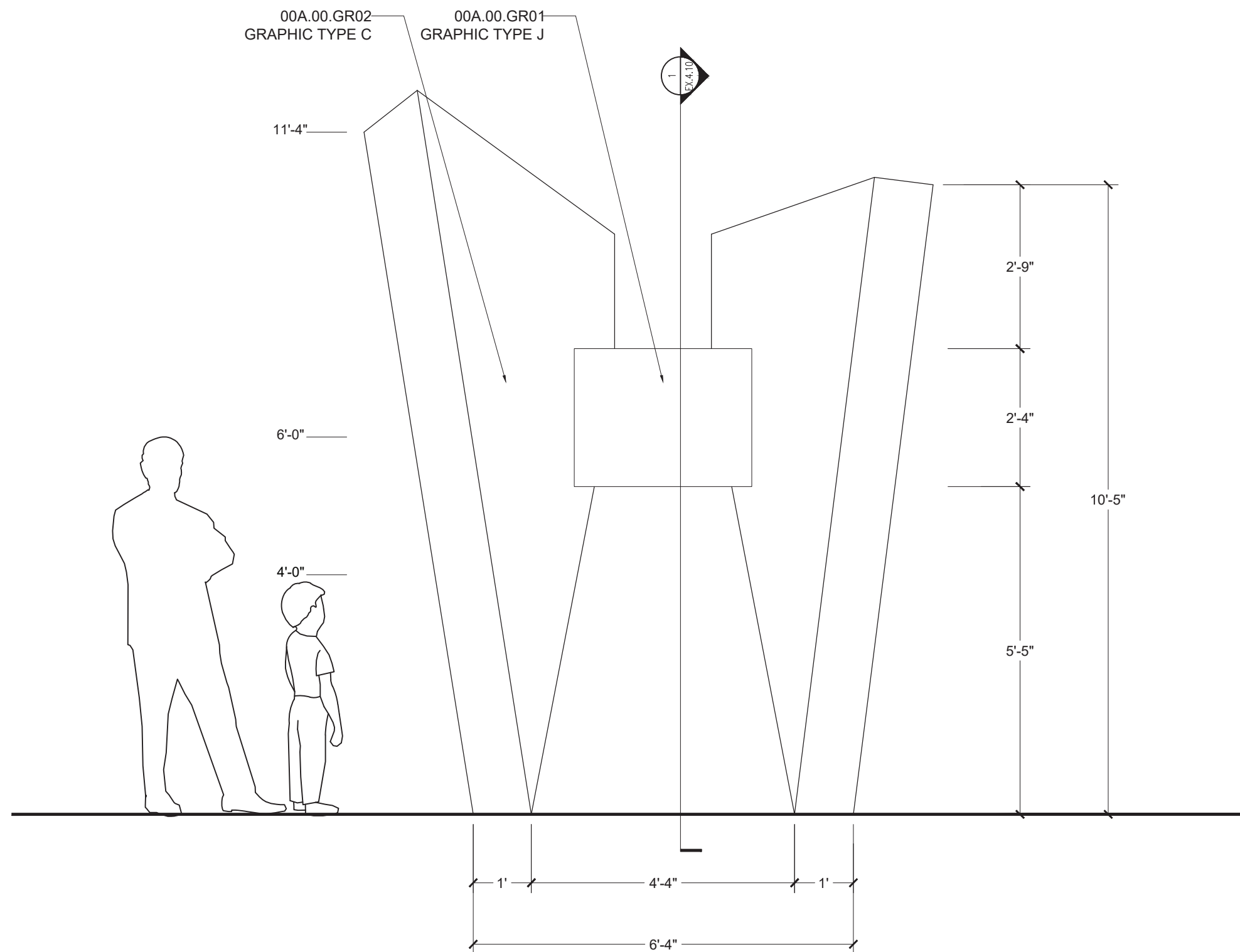
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KEY PLAN:



**1** FRONT ELEVATION 00A.00.GR01-03  
1/2"=1'-0"

## WAYFINDING GRAPHICS

Drawn By Kübra Sütlaş

## EX.4.09

Scale 1/2"=1'-0"





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PROJECT:

**BEYOND THE VISIBLE:**  
The Transformation of  
Electricity in Our Lives

CLIENT:

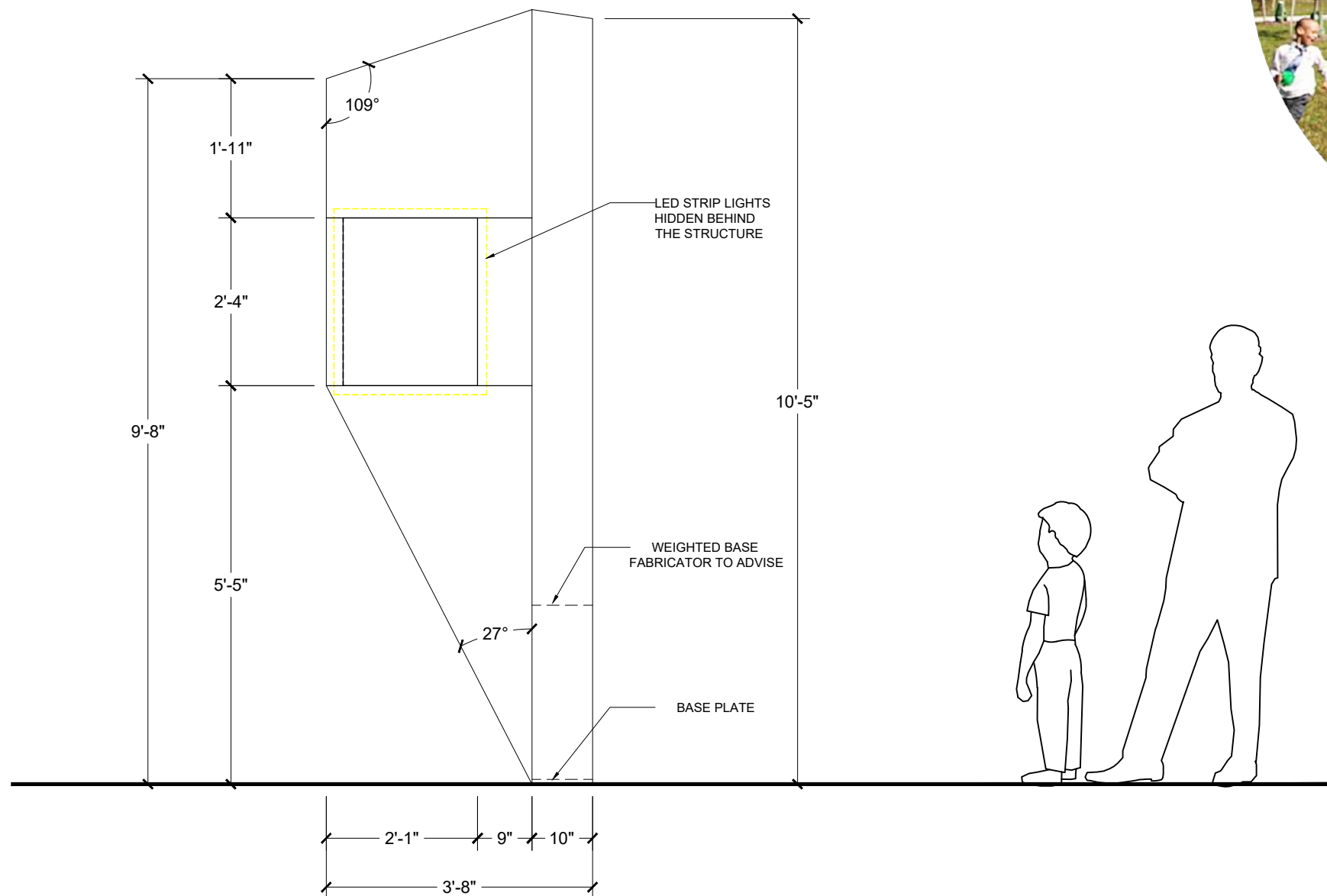
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KEY PLAN:



**1** SECTION 00A.00.GR01-03  
1/2"=1'-0"

**WAYFINDING GRAPHICS CONT'D**

Drawn By Kübra Sütlaş

**EX.4.10**

Scale 1/2"=1'-0"



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PROJECT:

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Electricity in Our Lives

CLIENT:

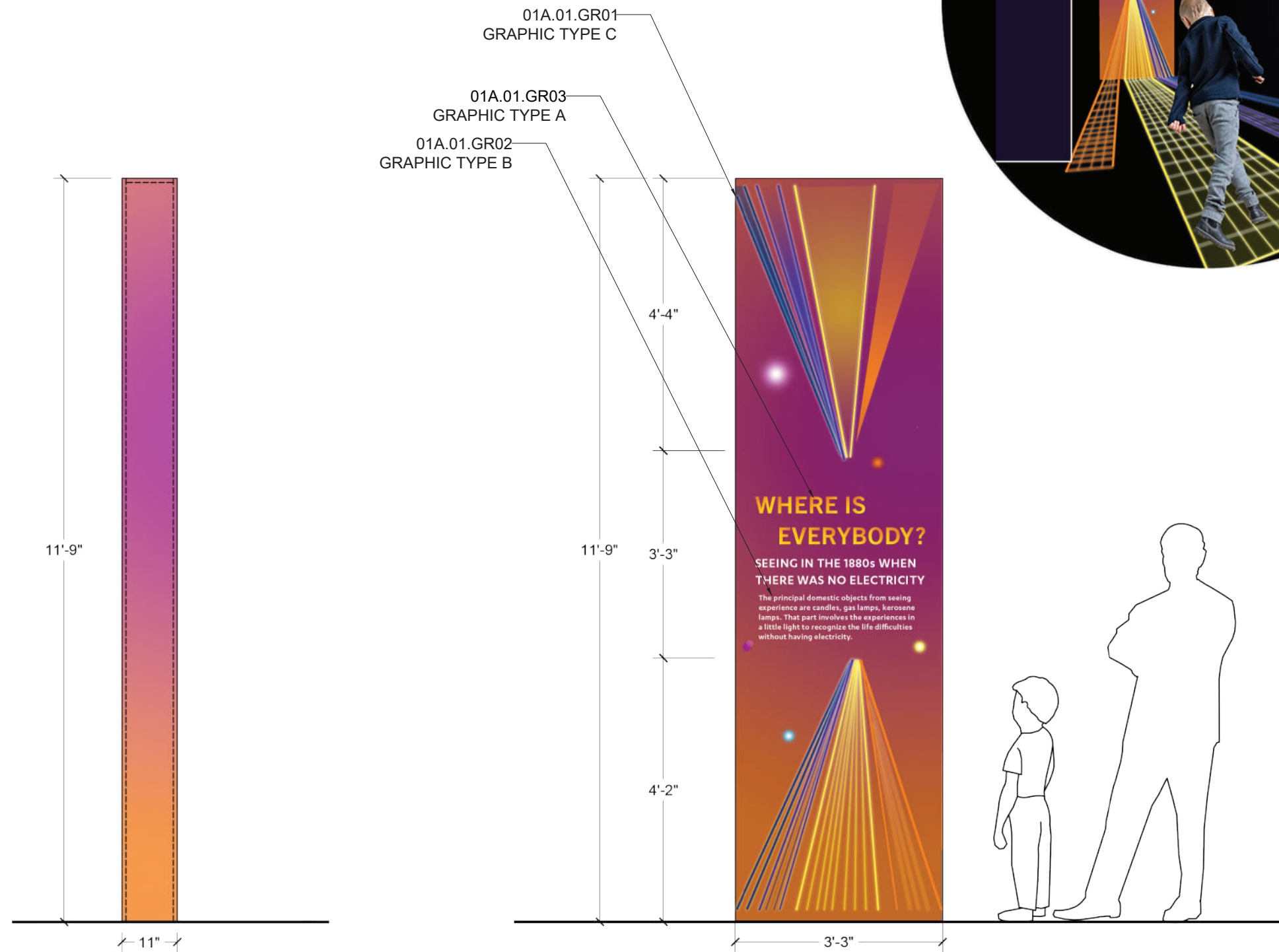
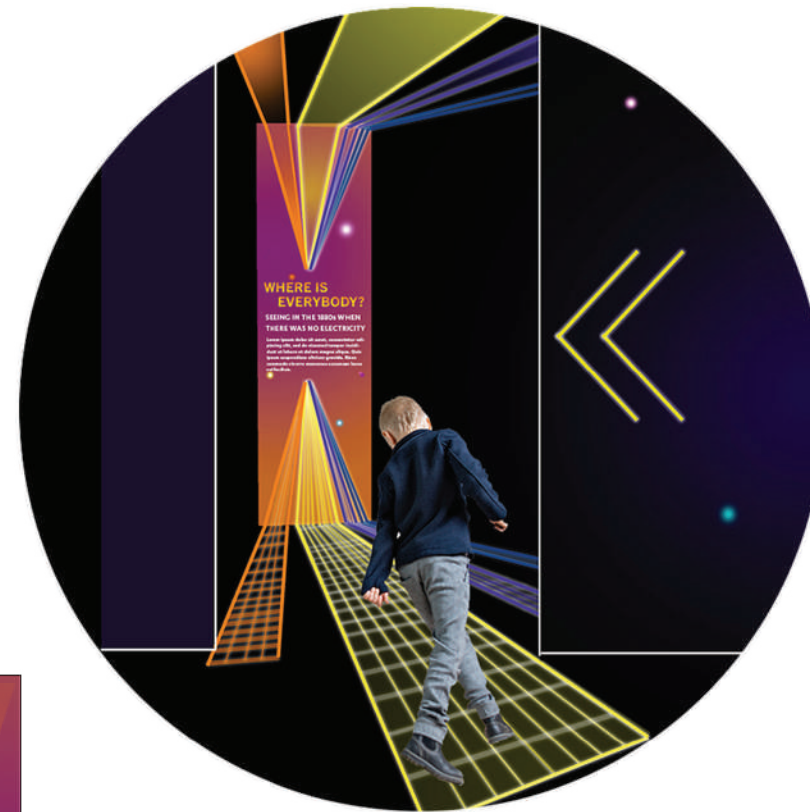
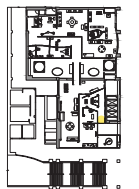
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KEY PLAN:



1 SIDE ELEVATION 01A.01.GR01-05  
1/2"=1'-0"

1 FRONT ELEVATION 01A.01.GR01-05  
1/2"=1'-0"

## AREA GRAPHIC

Drawn By Kübra Sütlaş

## EX.4.11

Scale 1/2"=1'-0"



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## KÜBRA SÜTLAŞ

PROJECT:

**BEYOND THE VISIBLE:**  
The Transformation of  
Electricity in Our Lives

CLIENT:

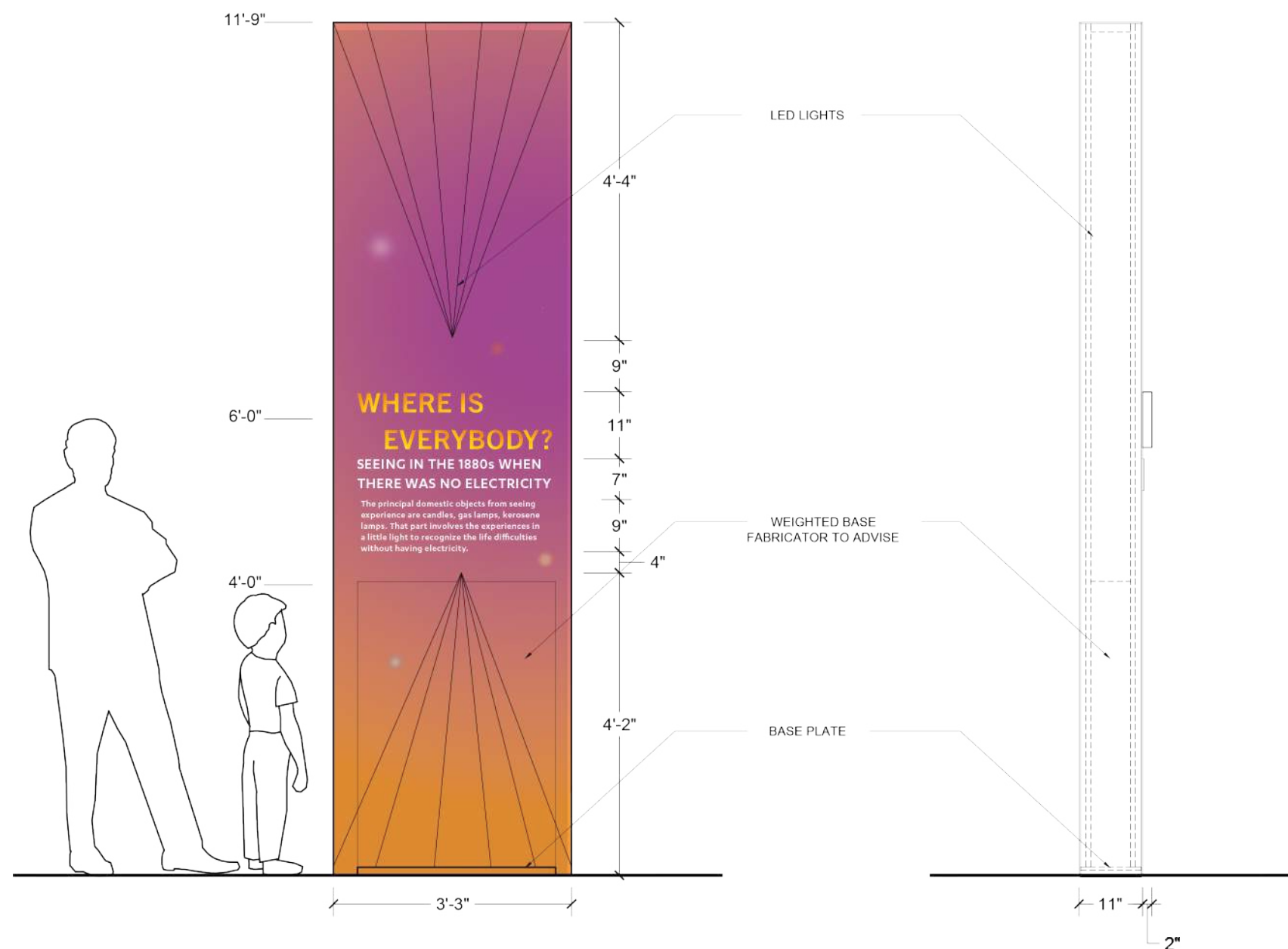
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KEY PLAN:



**1** FRONT ELEVATION 01A.01.GR01-05  
1/2"=1'-0"

**2** SIDE ELEVATION 01A.01.GR01-05  
1/2"=1'-0"

**3** EXPLODED AXONOMETRIC 01A.01.GR01-05  
1/2"=1'-0"



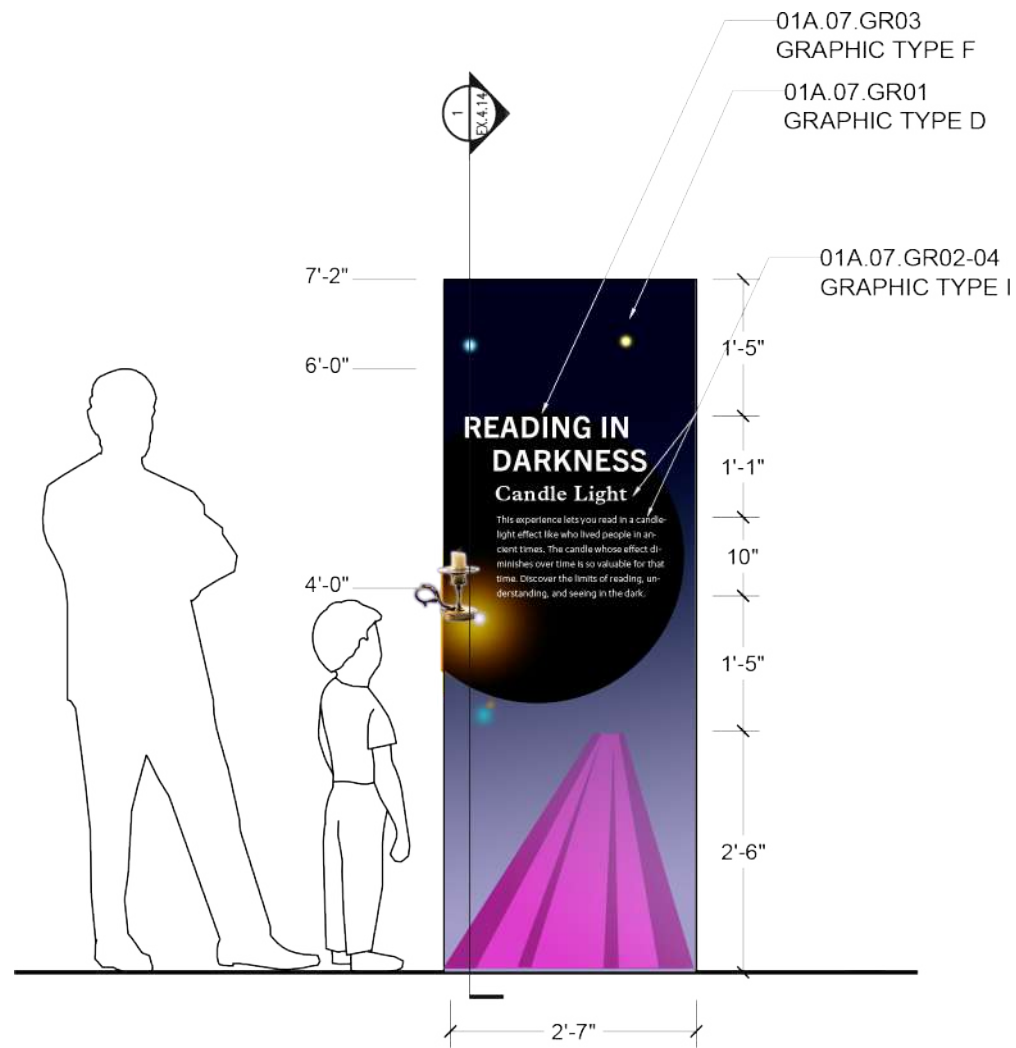
**4** PLAN 01A.01.GR01-05  
1/2"=1'-0"

## AREA GRAPHIC CONT'D

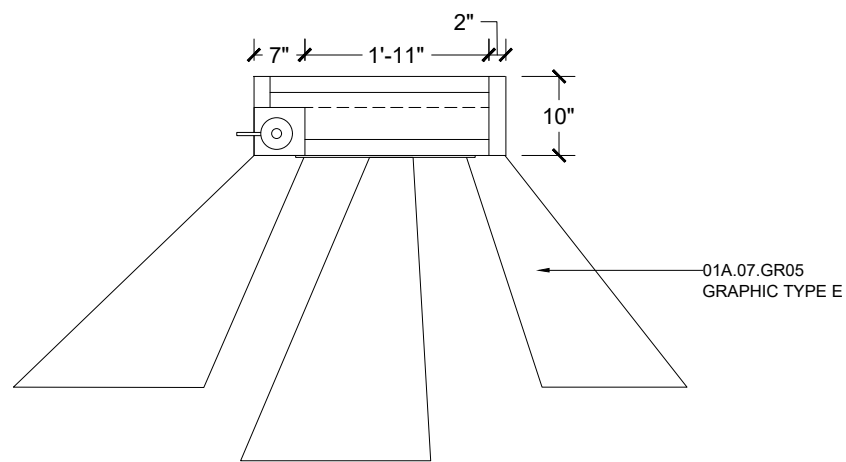
Drawn By Kübra Sütlaş

## EX.4.12

Scale 1/2"=1'-0"



**1** FRONT ELEVATION 01A.07.GR01-05  
1/2"=1'-0"



**2** PLAN 01A.07.GR01-05  
1/2"=1'-0"



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PROJECT:

**BEYOND THE VISIBLE:**  
The Transformation of  
Electricity in Our Lives

CLIENT:

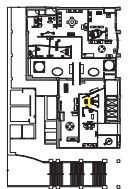
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KEY PLAN:



**CONTENT GRAPHIC**

Drawn By Kübra Sütlaş

**EX.4.13**

Scale 1/2"=1'-0"



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## KÜBRA SÜTLAŞ

PROJECT:

**BEYOND THE VISIBLE:**  
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Electricity in Our Lives

CLIENT:

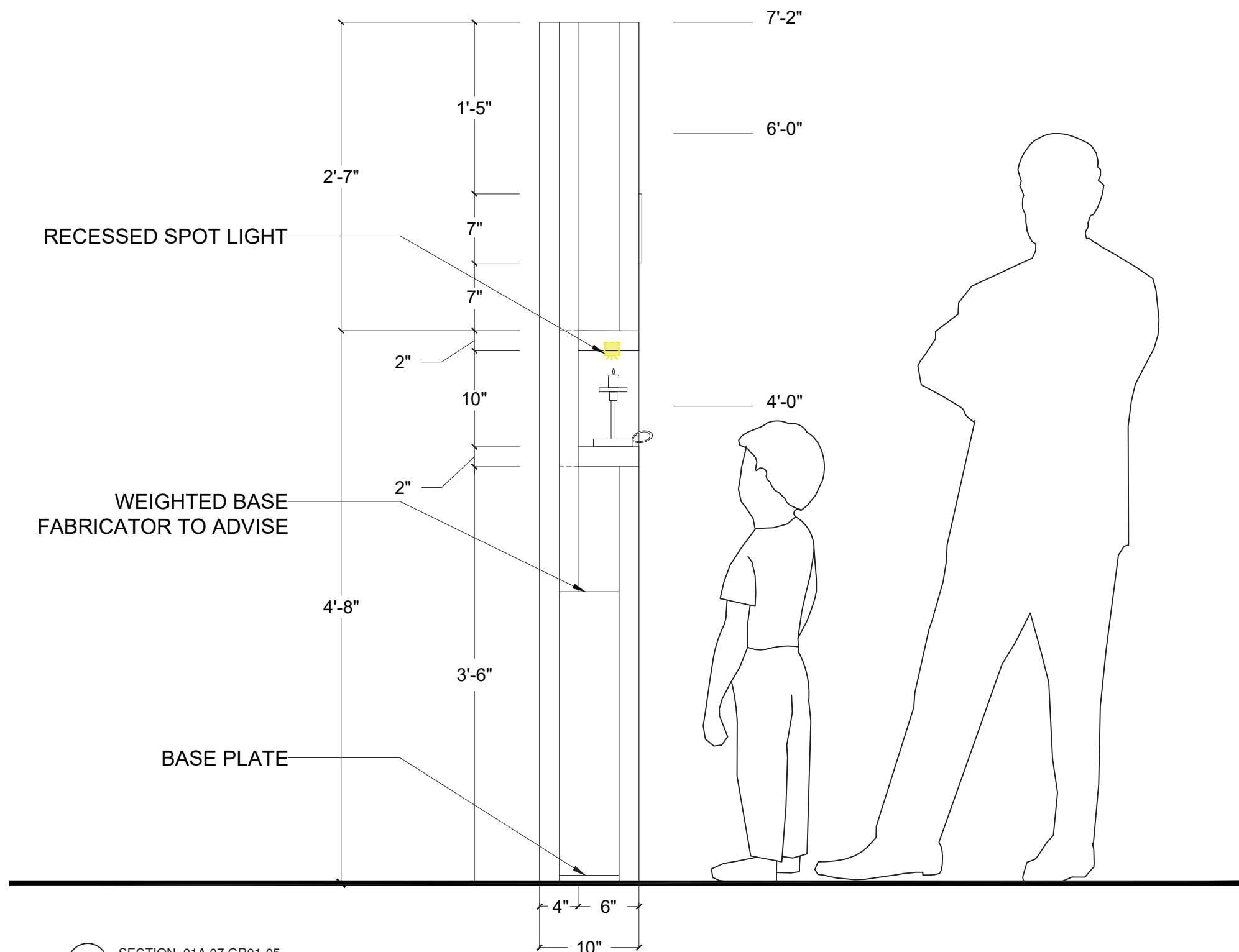
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KEY PLAN:



1 SECTION 01A.07.GR01-05  
1"=1'-0"

CONTENT GRAPHIC CONT'D

Drawn By Kübra Sütlaş

**EX.4.14**

Scale 1"=1'-0"



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CLIENT:

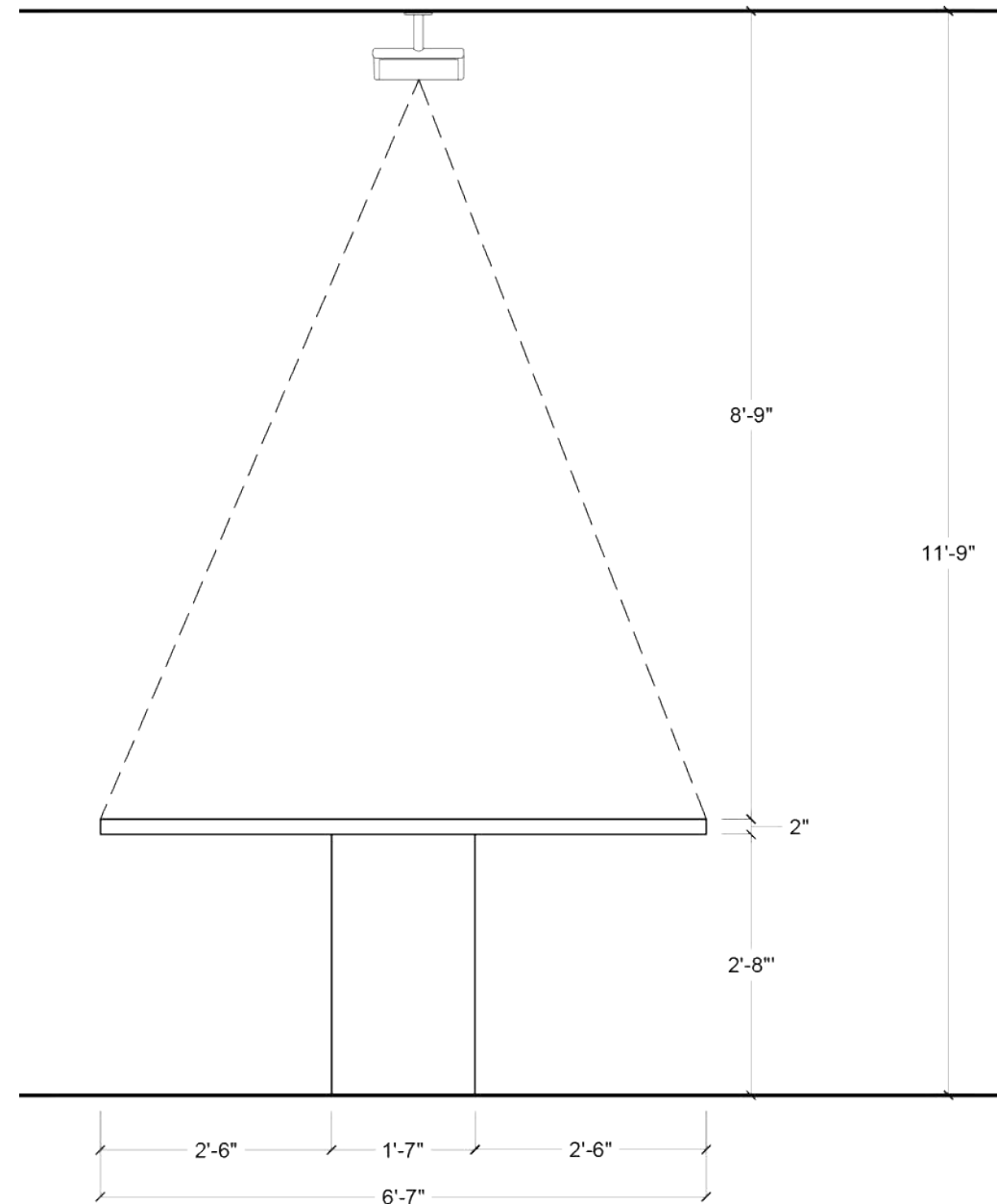
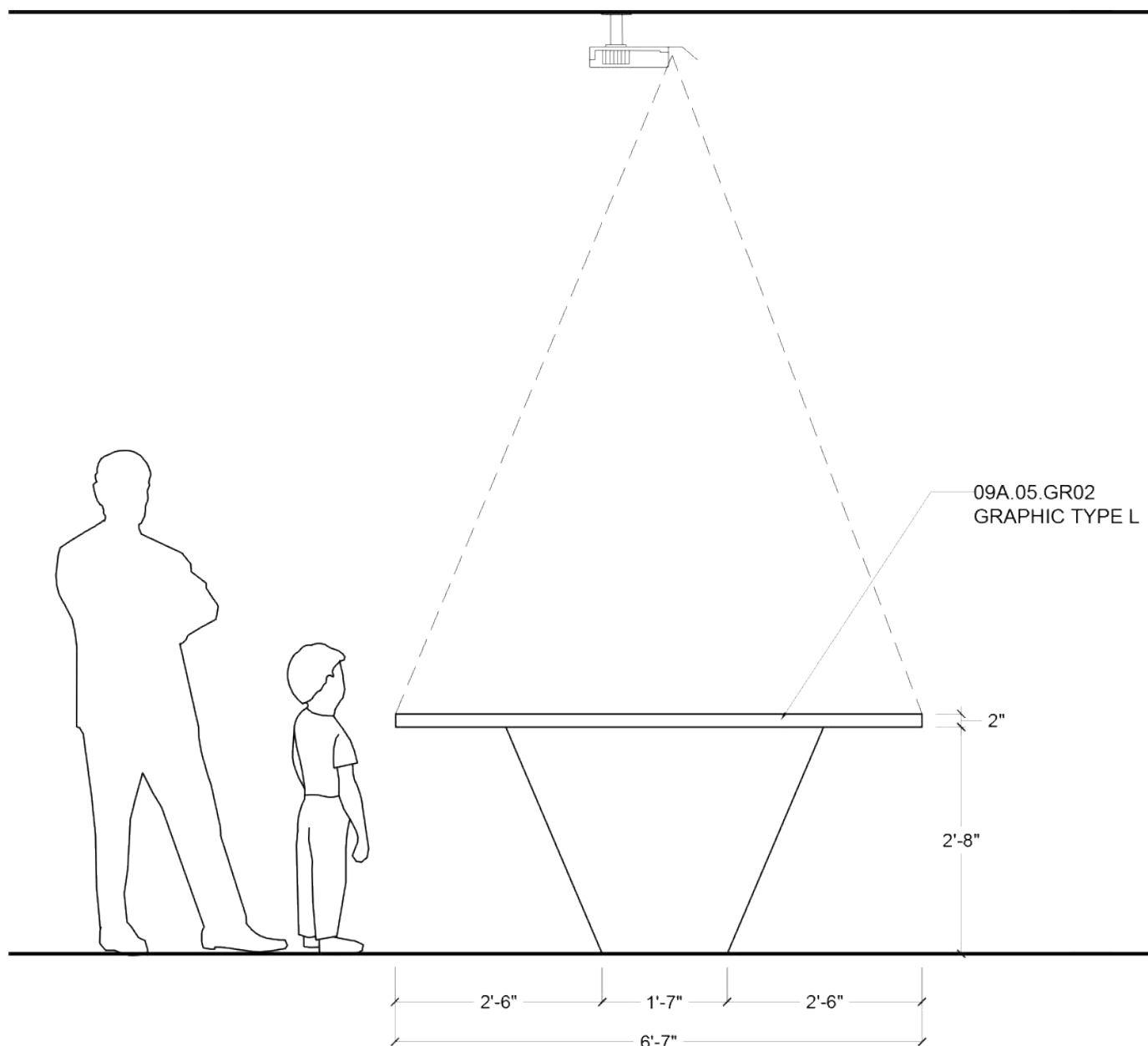
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KEY PLAN:



**1** FLOOR ELEVATION 09A.05.GR02  
1/2"=1'-0"

**2** SIDE ELEVATION 09A.05.GR02  
1/2"=1'-0"

**DIGITAL SCREEN GRAPHIC**

Drawn By Kübra Sütlaş

**EX.4.15**

Scale 1/2"=1'-0"



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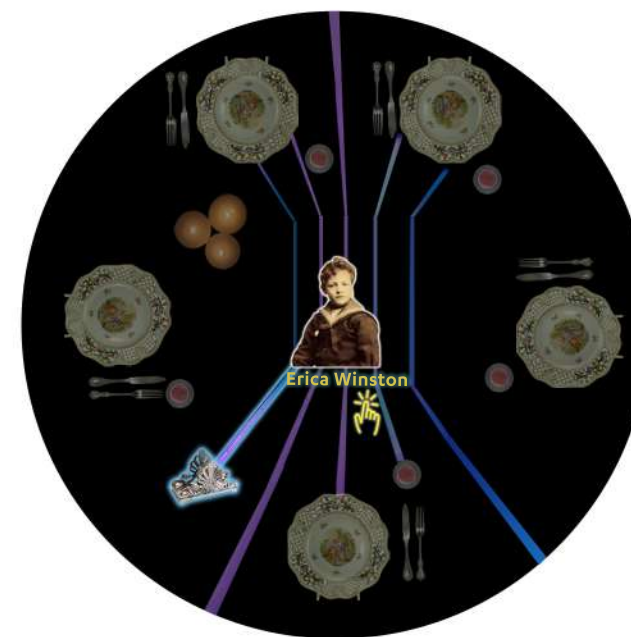
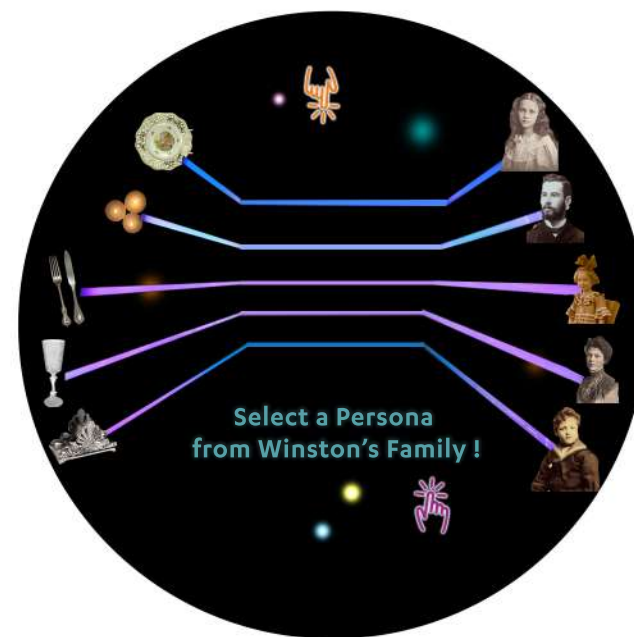
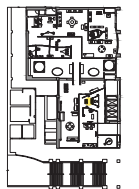
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KEY PLAN:



**1** DIGITAL TABLE SCREEN 1  
1/2"=1'-0"

**DIGITAL SCREEN GRAPHIC**

Drawn By Kübra Sütlaş

**EX.4.16**

Scale 1/2"=1'-0"



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## KÜBRA SÜTLAŞ

PROJECT:

**BEYOND THE VISIBLE:**  
The Transformation of  
Electricity in Our Lives

CLIENT:

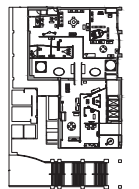
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KEY PLAN:

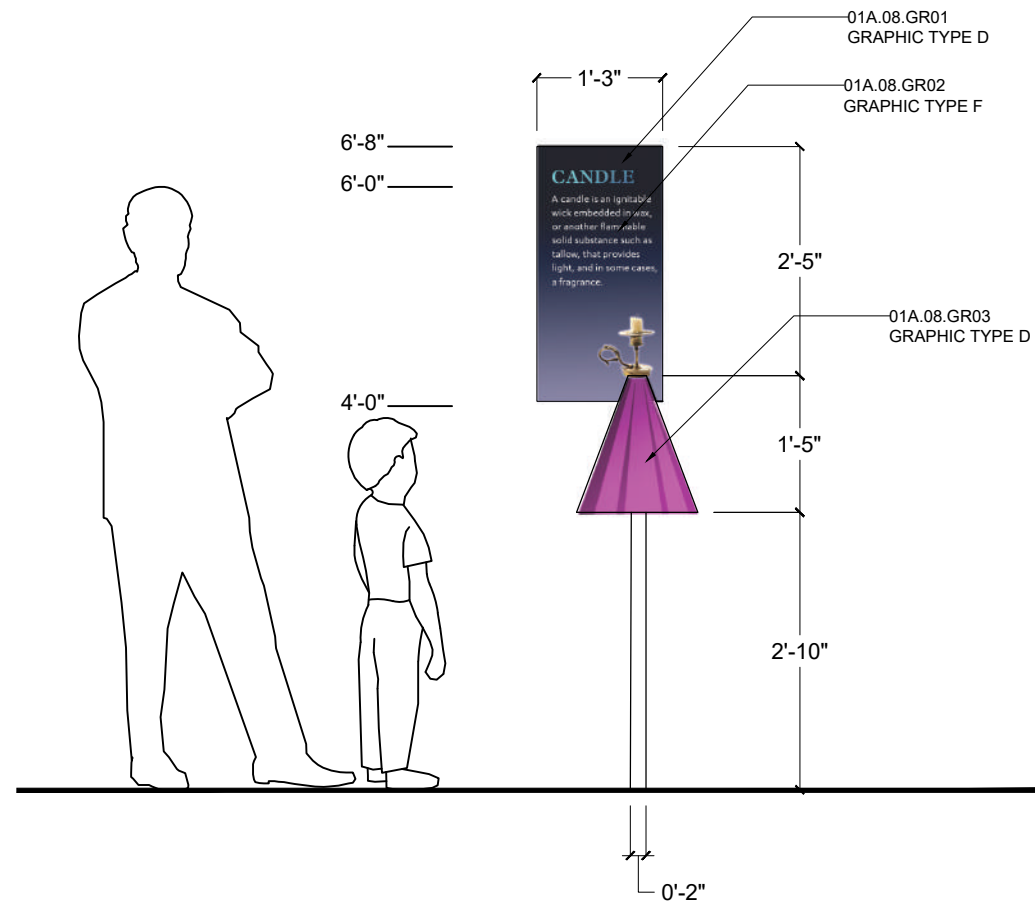


## LABEL GRAPHIC

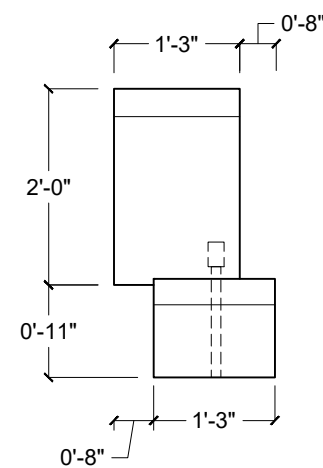
Drawn By Kübra Sütlaş

**EX.4.17**

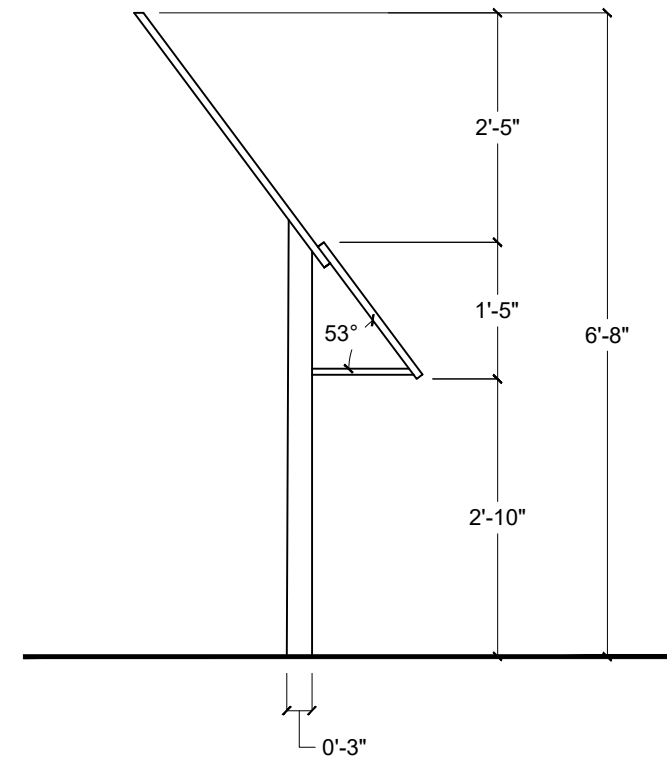
Scale 1/2"=1'-0"



**1** FRONT ELEVATION 01A.08.GR01-03  
1/2"=1'-0"



**3** PLAN 01A.08.GR01-03  
1/2"=1'-0"



**2** SIDE ELEVATION 01A.08.GR01-03  
1/2"=1'-0"



## **DETAILS**



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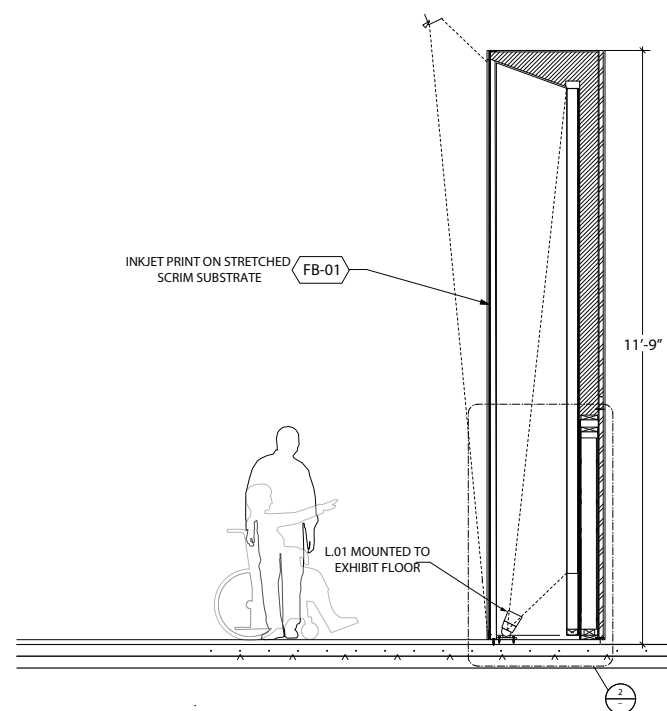
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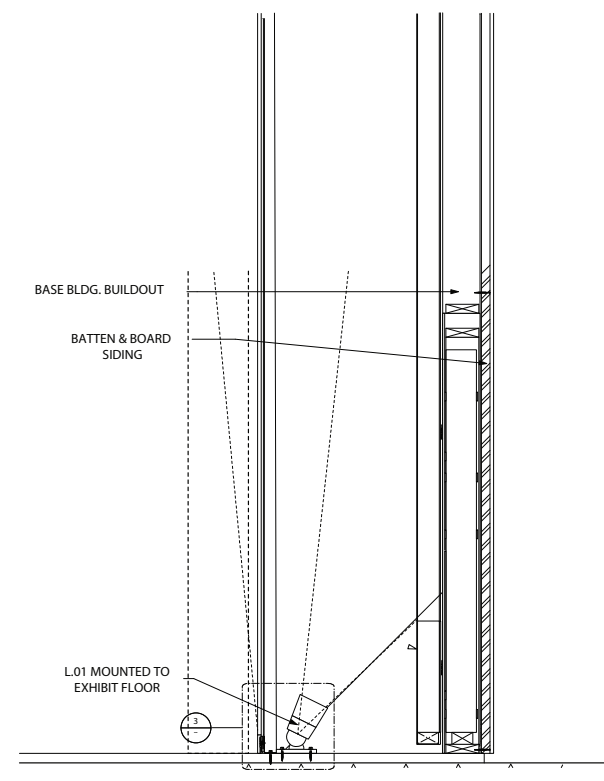
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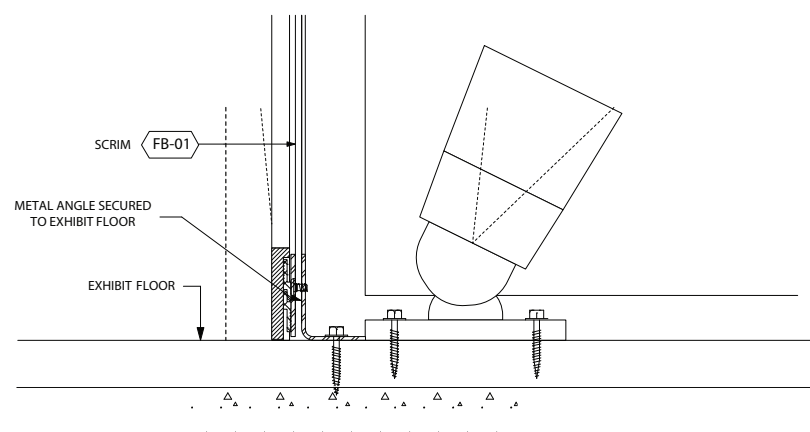
KEY PLAN:



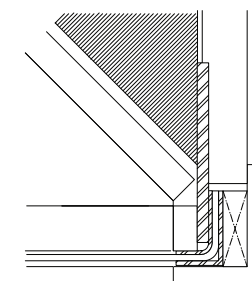
**1** THEATRICAL BACKDROP: TYPICAL SECTION  
1/8"=1'-0"



**2** THEATRICAL BACKDROP: SECTION DETAIL  
1/1"=1'-0"



**3** THEATRICAL BACKDROP: DETAIL  
1/1"=1'-0"



**4** THEATRICAL BACKDROP: DETAIL  
1/1"=1'-0"

### 01A CONSTRUCTION DETAIL

Drawn By Kübra Sütlaş

## EX.5.01

Scale N/A



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KEY PLAN:



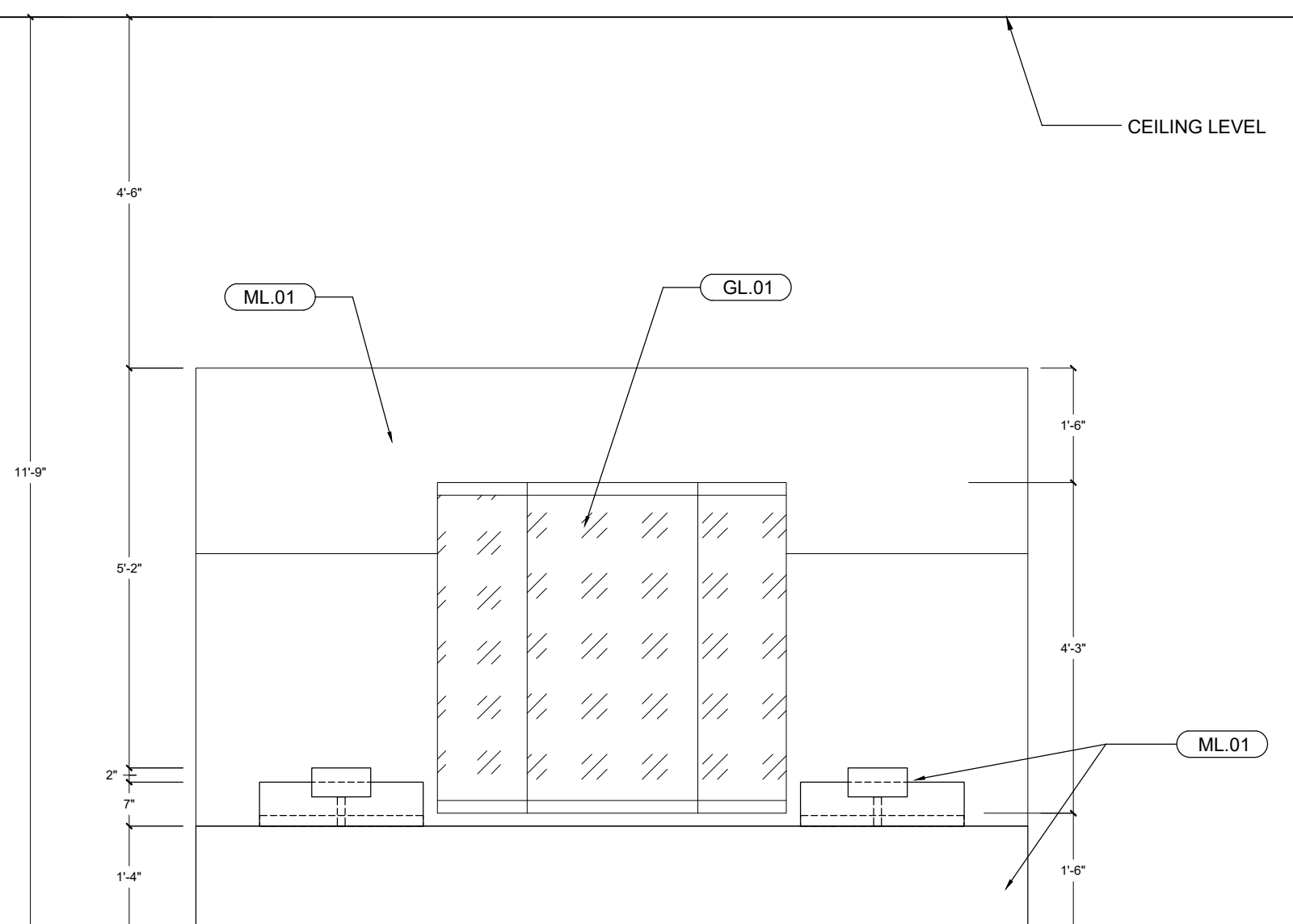
**02A CONSTRUCTION DETAIL**

Drawn By Kübra Sütlaş

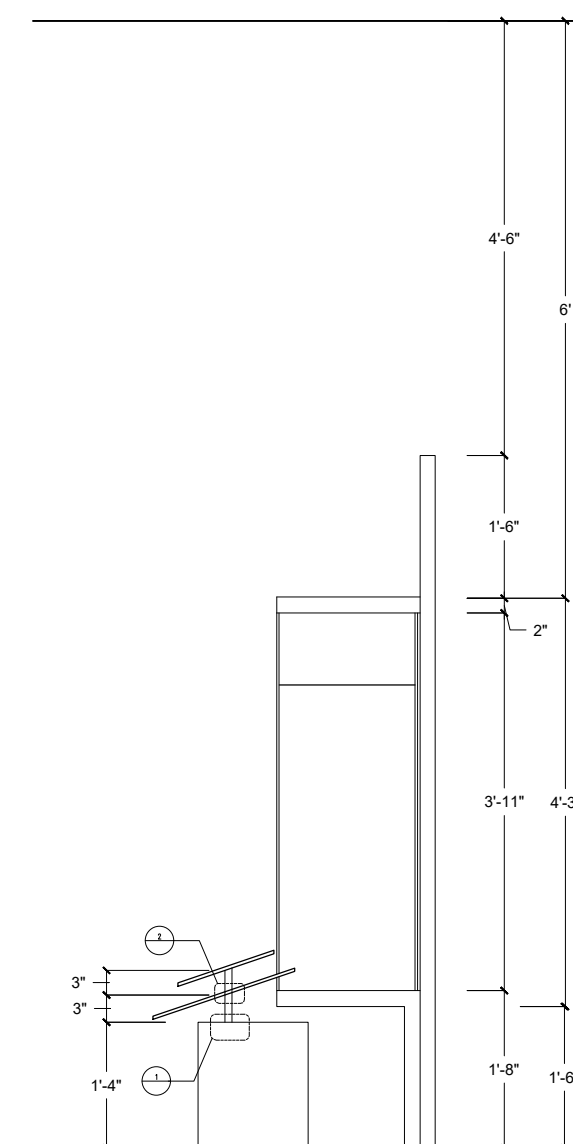
**EX.5.02**

Scale 1/2"=1'-0"

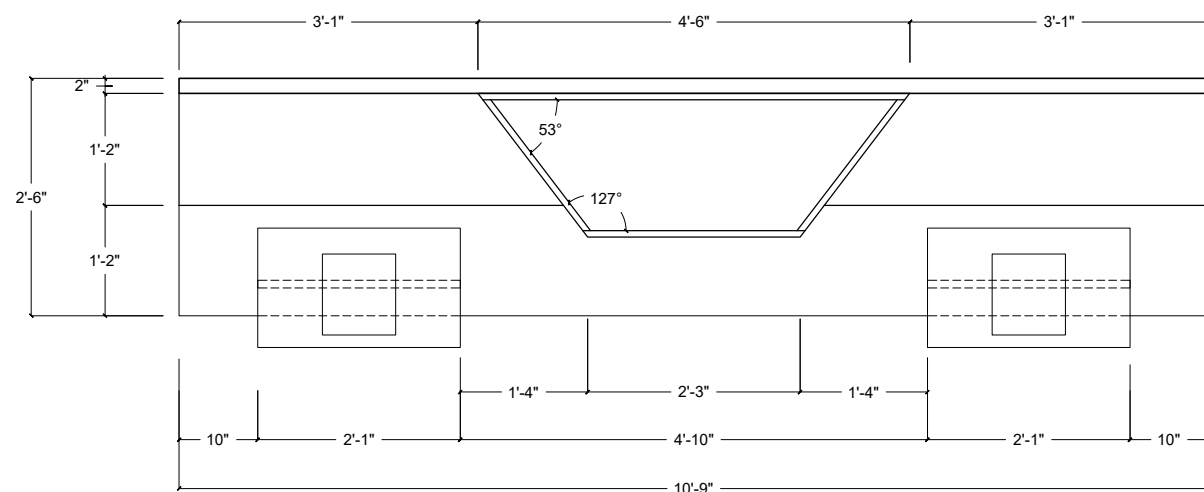
CEILING LEVEL



**1** DISPLAY CASE FRONT ELEVATION  
1/2"=1'-0"

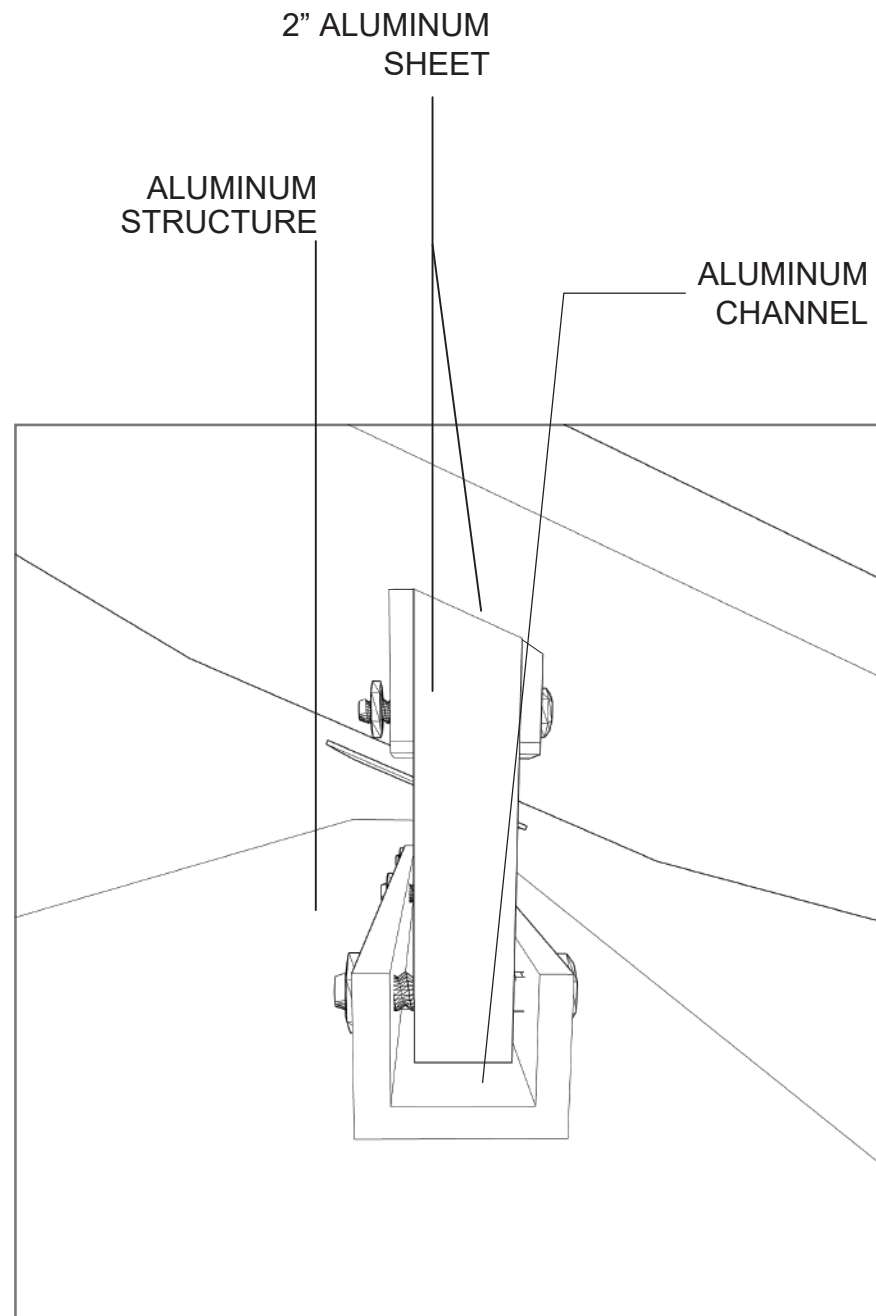


**2** DISPLAY CASE SIDE ELEVATION  
1/2"=1'-0"

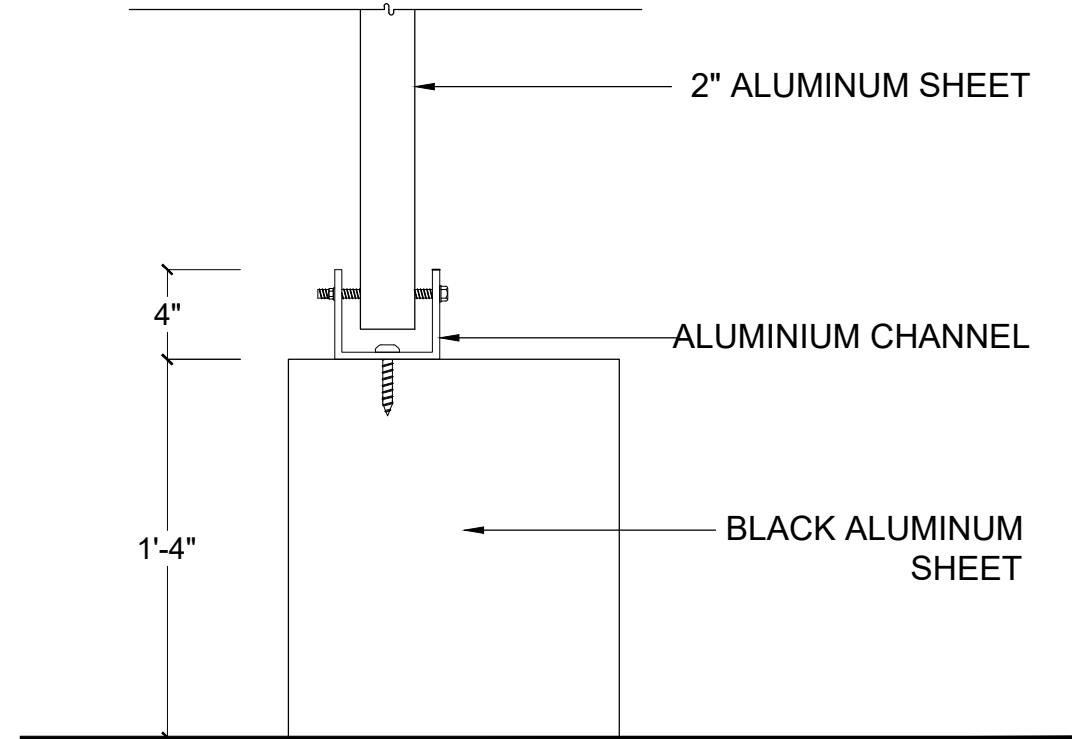


**3** DISPLAY CASE PLAN  
1/2"=1'-0"

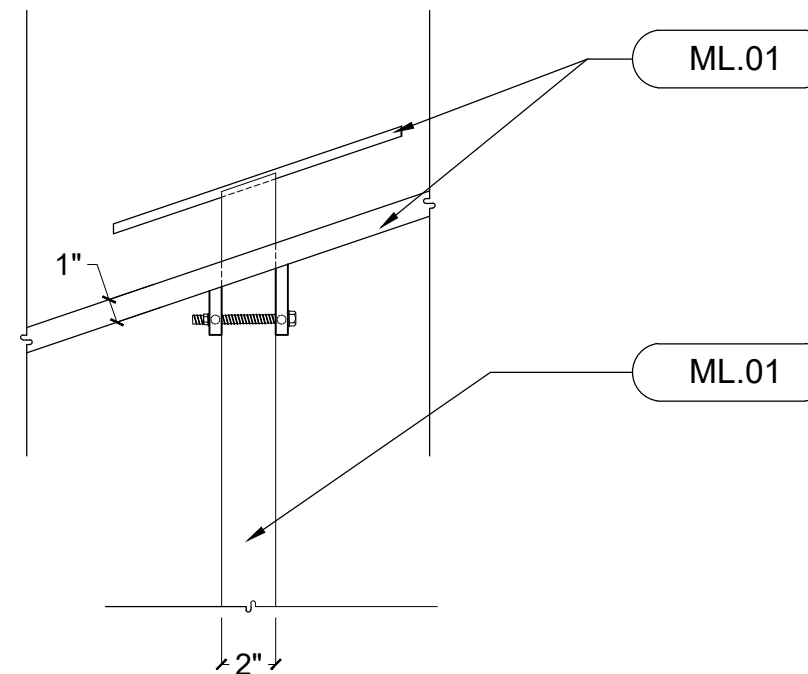




**1** DISPLAY CASE STRUCTURE DETAILS  
NOT TO SCALE



**2** DETAIL 1  
1-1/2"=1'-0"



**3** DETAIL 2  
1-1/2"=1'-0"



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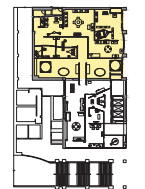
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KEY PLAN:



**02A CONSTRUCTION DETAIL**

Drawn By Kübra Sütlaş

**EX.5.03**

Scale 1-1/2"=1'-0"



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KEY PLAN:



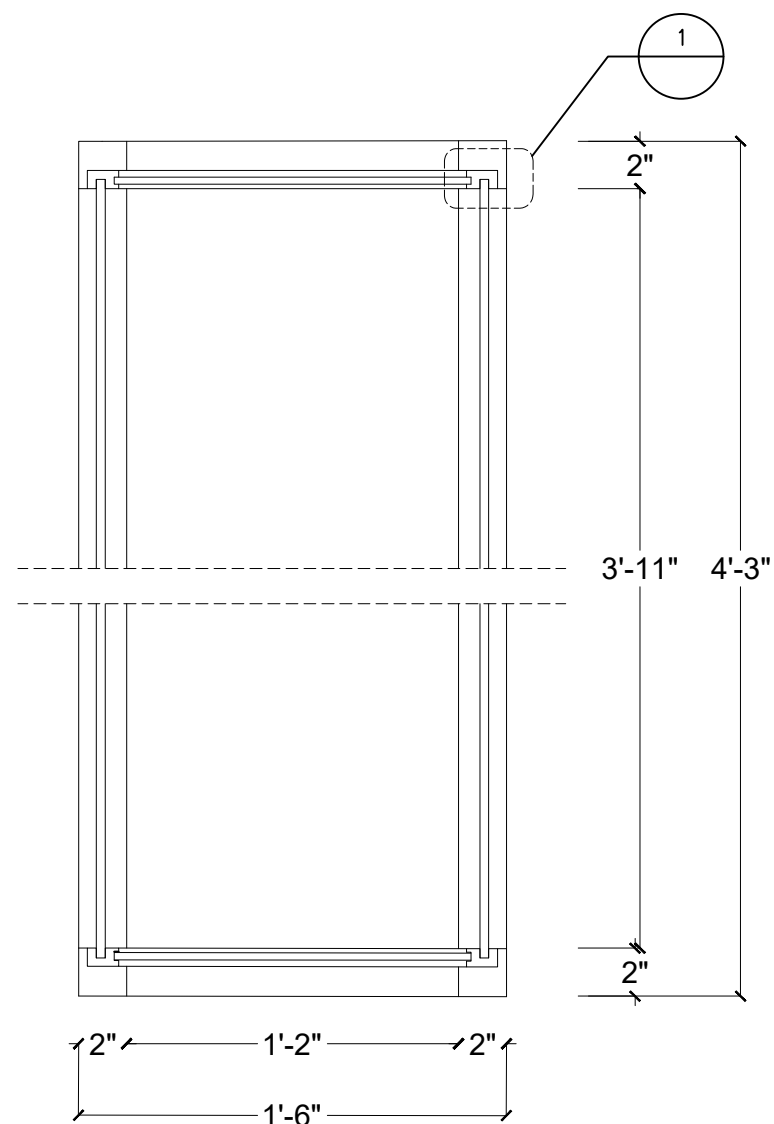
### 02A CONSTRUCTION DETAIL

Drawn By Kübra Sütlaş

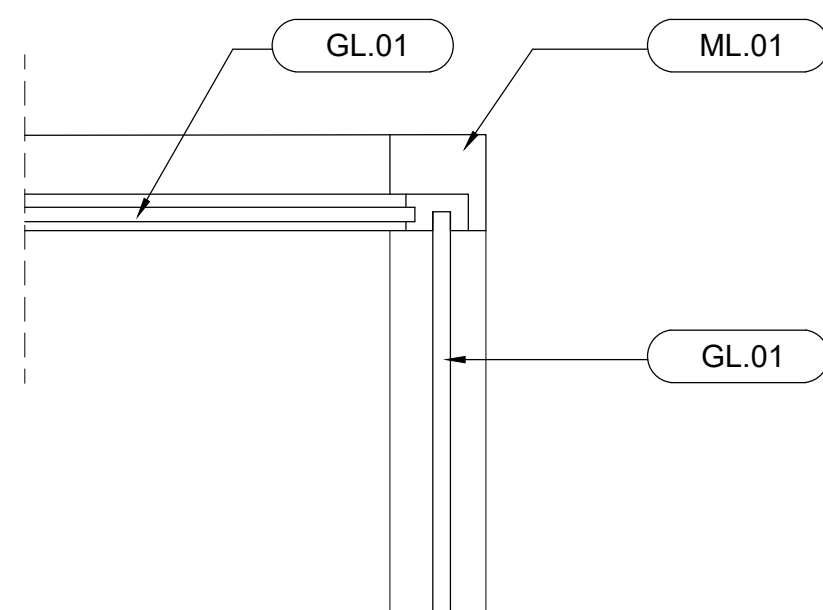
**EX.5.04**

Scale

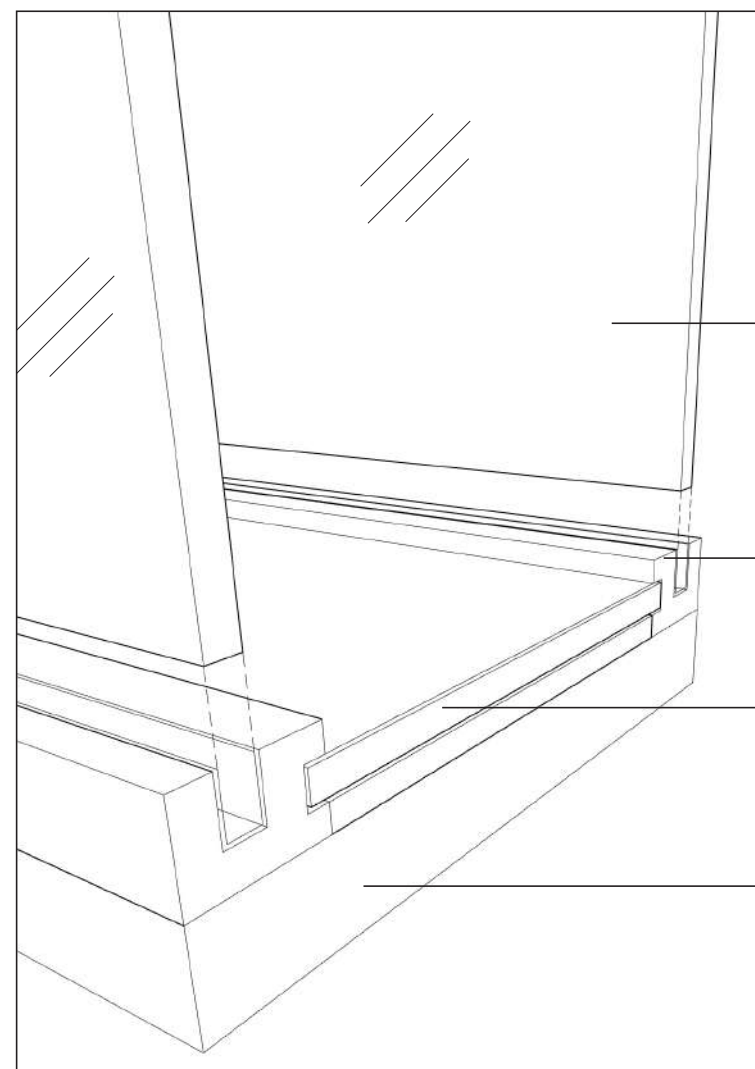
N/A



**1** DISPLAY CASE SIDE ELEVATION  
1-1/2"=1'-0"



**2** DETAIL 1  
3"=1'-0"



**3** DISPLAY CASE DETAIL  
NOT TO SCALE



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## KÜBRA SÜTLAŞ

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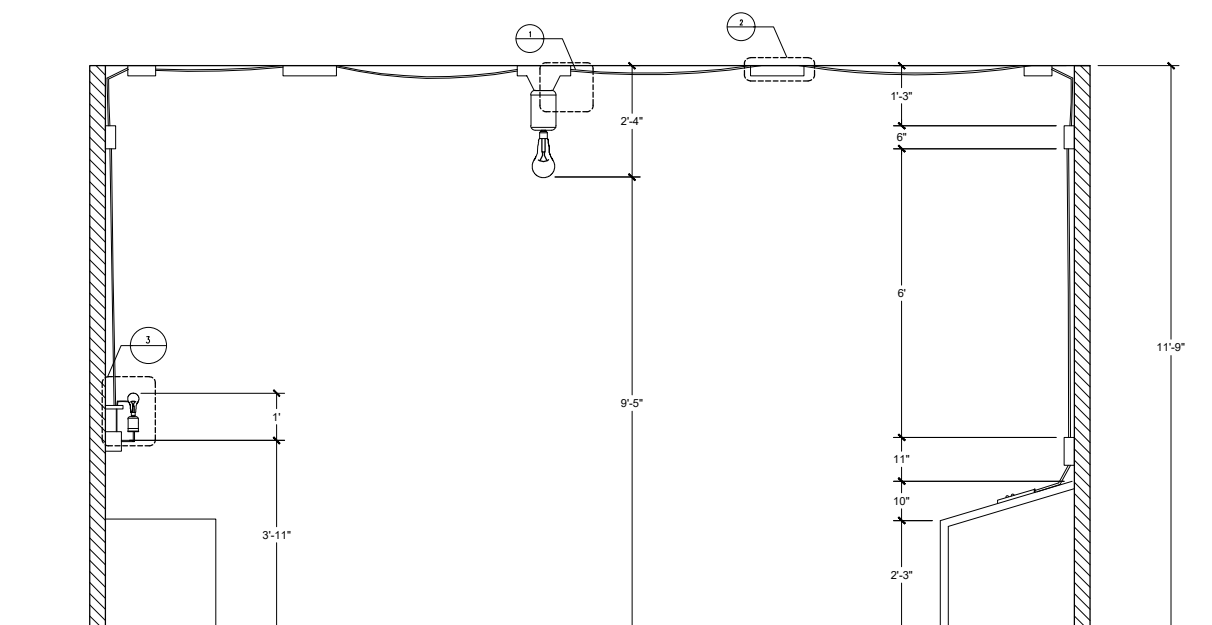
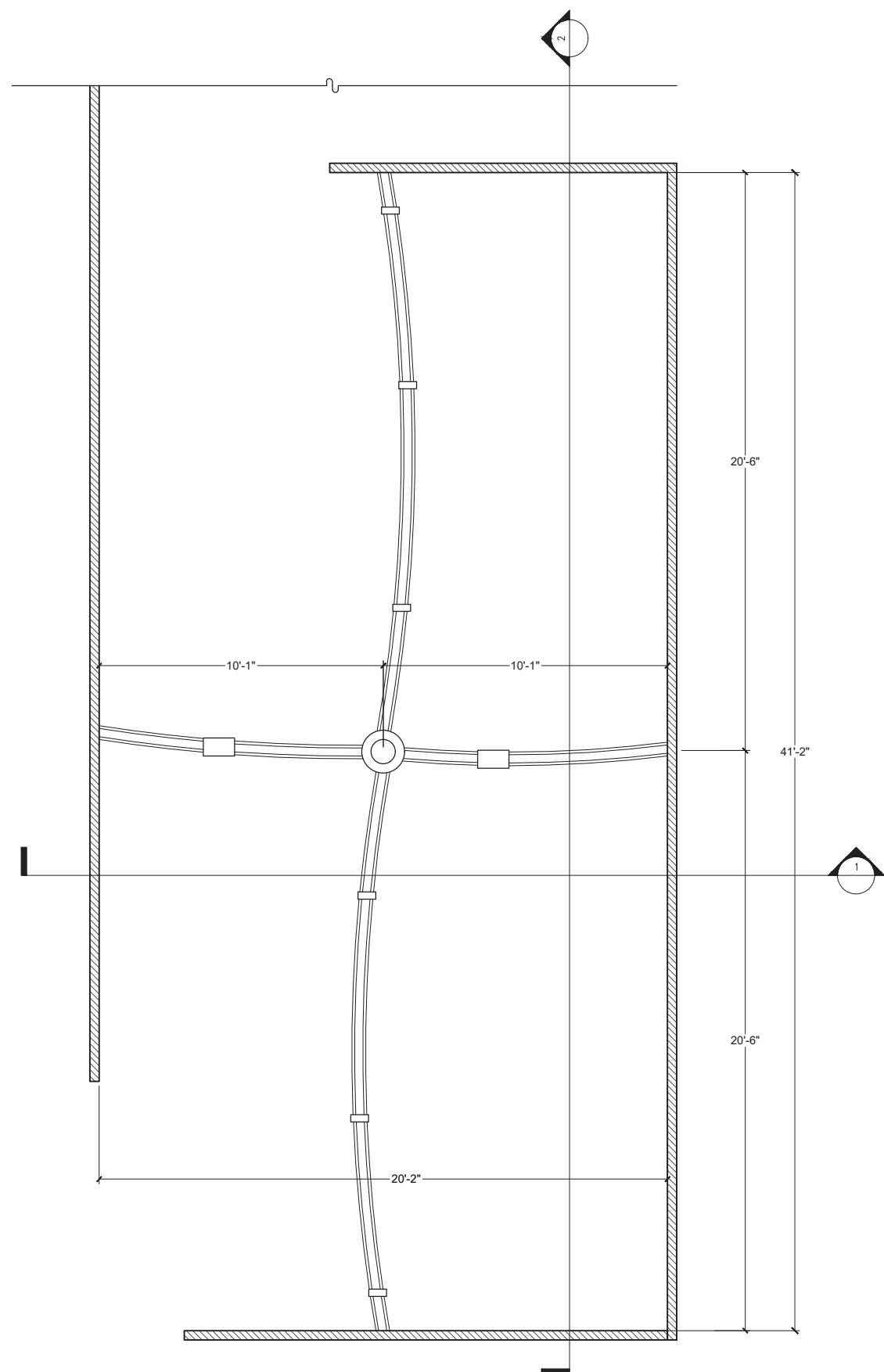
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KEY PLAN:



**2** SECTION 1- FRONT ELEVATION  
1/4"=1'-0"

**1** LIGHTING BULB CEILING PLAN  
3/16"=1'-0"

**03A CONSTRUCTION DETAIL**

Drawn By Kübra Sütlaş

**EX.5.05**

Scale N/A



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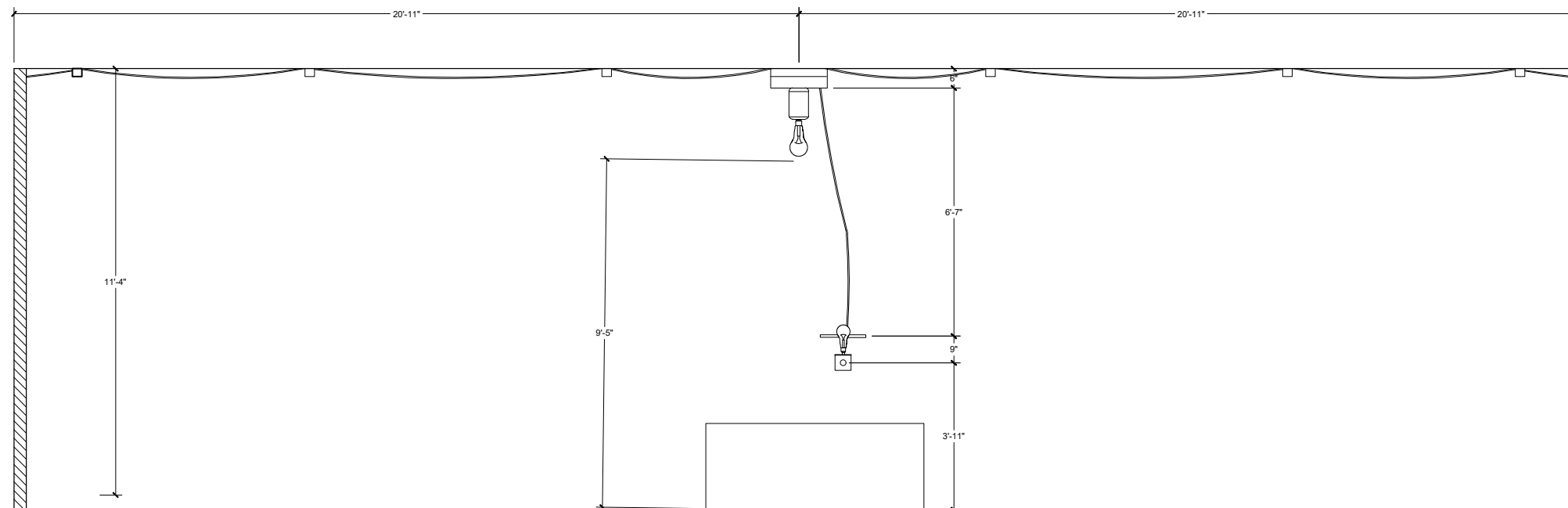
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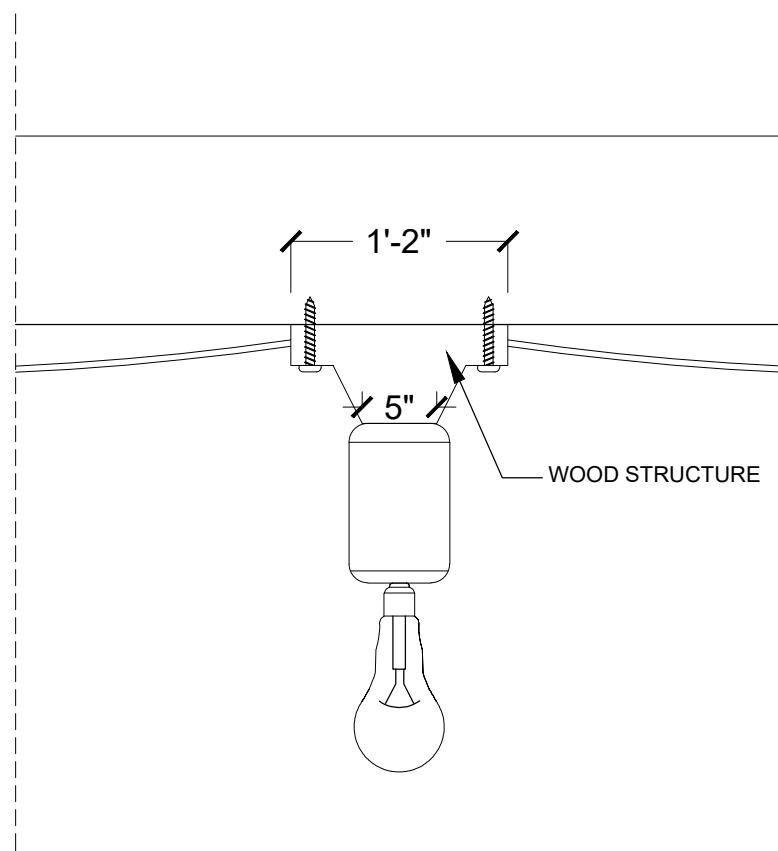
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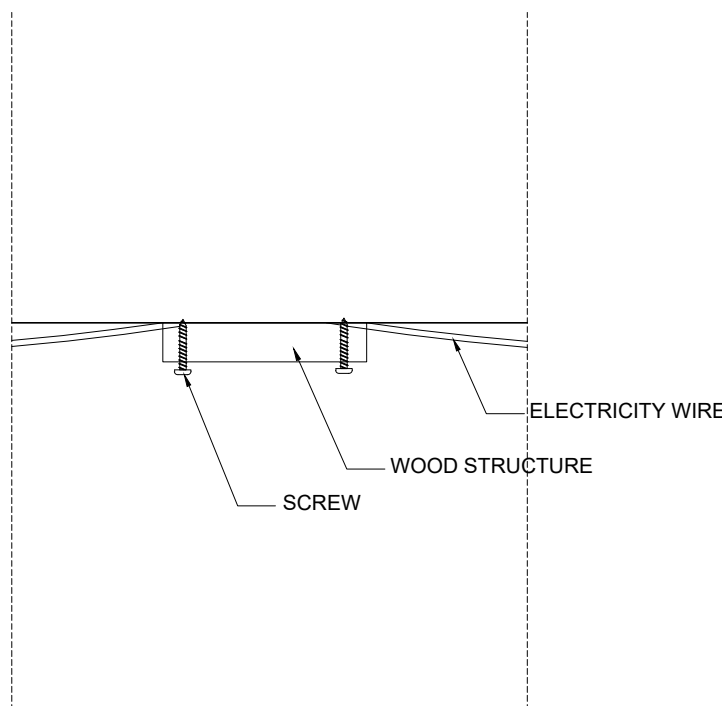
KEY PLAN:



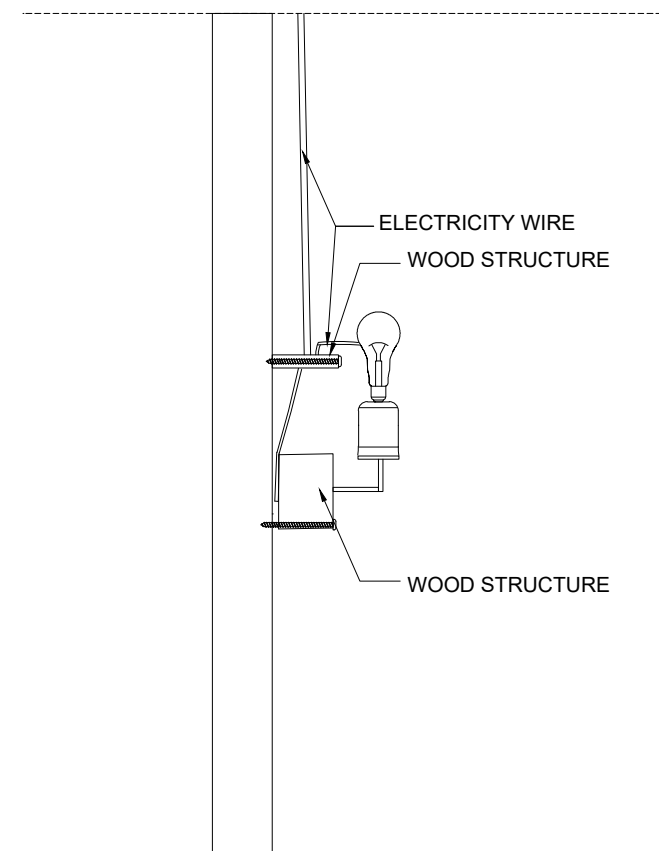
**1** SECTION 3 - SIDE ELEVATION  
1'-4"=1'-0"



**1** DETAIL 1  
1"=1'-0"



**2** DETAIL 2  
1-1/2"=1'-0"



**3** DETAIL 3  
1-1/2"=1'-0"

**03A CONSTRUCTION DETAIL**

Drawn By Kübra Sütlaş

**EX.5.05**

Scale N/A