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EX.01.40

Digital Exhibition

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FII State University of New York

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Exhibition and Experience Design Thesis Capstone 2023

Exhibition Designer

Emily Tse

Project

Artificial Minority



Site

Smithsonian Cooper Hewitt Museum

Client

National Institute of Standards and Technology

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Date

December 8, 2023

Drawing Name

Drawing Index

Drawing Number

EX.00.02

Scale

NTS

Key Plan

EXECUTIVE SUMMARY

THESIS STATEMENT

Our unconscious biases have been a problem in the past, present, and now the upcoming future.

These biases — racial bias, gender bias, and age bias perpetuate discrimination in facial recognition technology.

The exhibition "Artificial Minority" brings public awareness to Al ethics, which encourages responsible research and application.

Exploring participatory museum techniques, such as role-play and workshop programming, provide ways to spark dialogue and foster awareness of these ongoing provocative issues.



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Thesis Statement

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Key Plan

GLIENT



National Institute of Standards and Technology A US Department of Commerce agency established in 1901

NIST's mission statement is "to promote U.S. innovation and industrial competitiveness by advancing measurement science, standards, and technology in ways that enhance economic security and improve our quality of life."

In 2000, NIST started the Face Recognition Vendor Testing Program (FRVT), which conducts evaluations on facial recognition technology. This research provides recommendations to the government on how this technology should be used.

CONTENT SPONSORS



Algorithmic Justice League

A non-profit organization that started in 2016.

As a poet of code, founder Dr. Buolamwini bridges art and research to convey the social injustice of technology.



American Civil Liberties Union

A non-profit organization that started in 1920.

ACLU defends people's rights in the justice system. They combat facial recognition systems in public surveillance because the technology invade privacy and do not acquire consent from people.



Security Industry Association

A U.S. trade association founded in 1969.

SIA supports facial recognition usage for beneficial purposes such as assisting law enforcement in fighting human trafficking, finding missing children, and fighting identity theft.



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Client

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EX.01.02

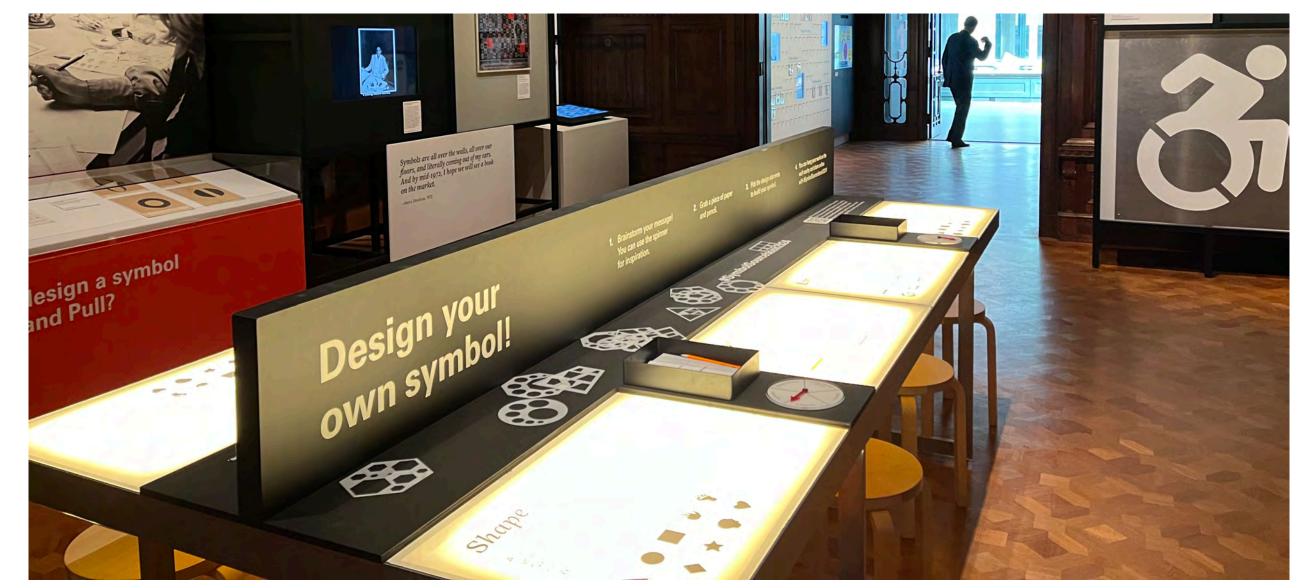
Scale

NTS

Key Plan

VENUE

Cooper Hewitt, Smithsonian Design Museum Barbara and Morton Mandel Design 3rd Floor Gallery





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Venue

Drawing Number

EX.01.03

Scale

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Key Plan

AUDIENCE

Primary

High school students, College students, and Adults Secondary

Educators, Researchers, and Designers





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Audience

Drawing Number

EX.01.04

Scale

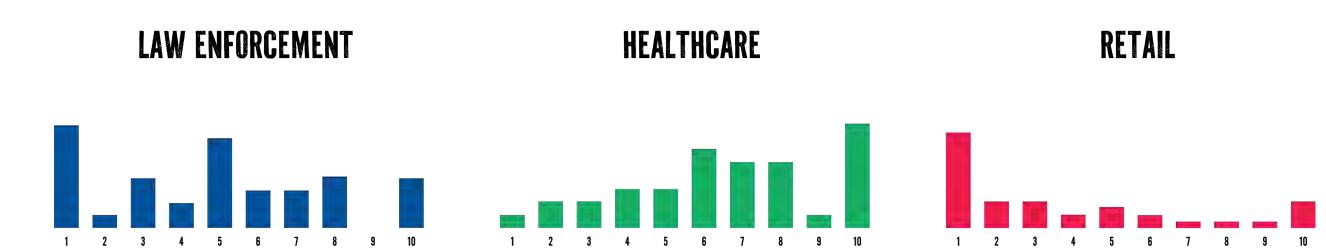
NTS

Key Plan

SURVEY

A survey was created to obtain opinions and experiences with facial recognition. It explored people's perspectives on facial recognition and its usage in various applications including law enforcement, education, healthcare, transportation, corporations, and retail.

Thirty-six participants completed the surveys. The surveys were distributed on the campus of Fashion Institute of Technology (87%) and in the Moynihan Train Hall (13%) in New York. Participants ranged from age 19 to age 60. 68% identified as female, 26% were male, and 6% were non-binary.





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Drawing Name

Survey

Drawing Number

EX.01.05

Scale

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Key Plan

GNALS

PROJECT GOALS

The exhibition "Artificial Minority" spreads public awareness of embedded biases in facial recognition technology such as statistical bias, human bias, and systematic bias.

It increases understanding of facial recognition usage in everyday activities.

Additionally, it encourages transparency in technological advances that increase people's quality of life.

EDUCATION GOALS

Visitors hear true stories of people whose lives were impacted by facial recognition, both favorably and unfavorably.

Visitors learn about the advocacy for algorithmic justice and ways NIST is mitigating bias.

They learn about types of human biases and how it seeps into technology.

Visitors understand the importance of joining discussions about technology ethics.

EXPERIENCE GOALS

At digital stations, visitors adopt fictional personas and reflect on diaries from different perspectives. Their reflections are recorded and shared with other visitors.

Through motion gestures, they identify environments where facial recognition systems are used.

They **unveil the black box** by stepping on trigger pads that activate light boxes that show advocacy efforts.

They participate in AI ethical workflow workshops to build critical thinking skills.

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Goals

Drawing Number

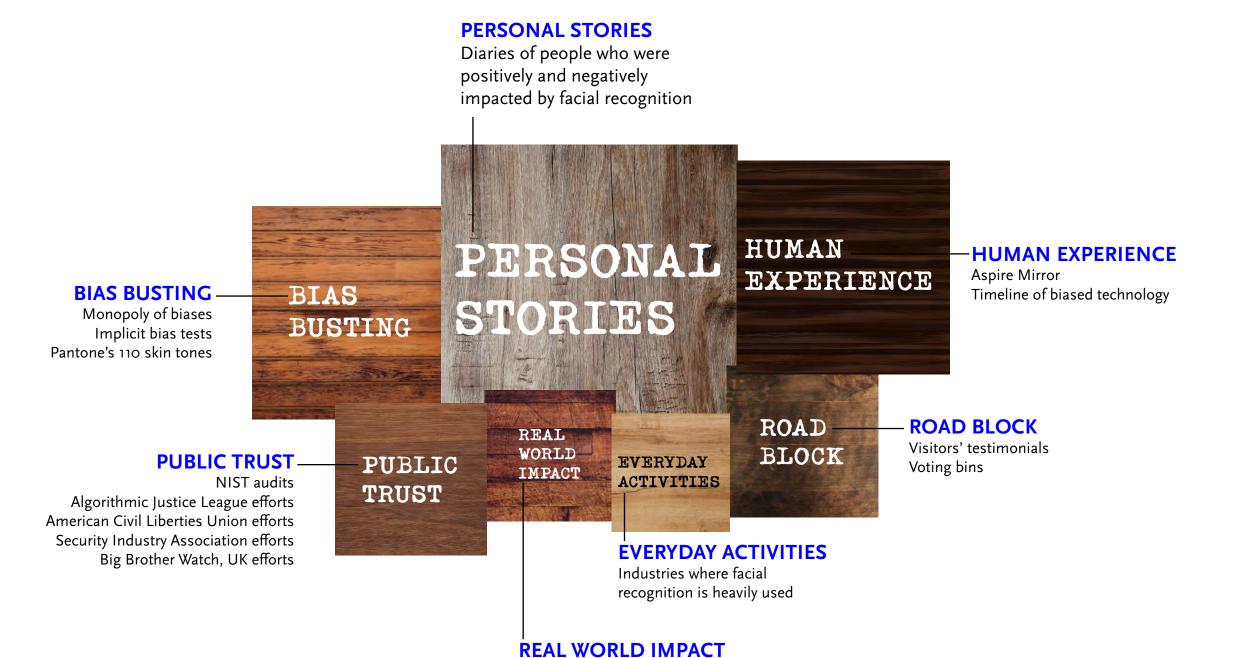
EX.01.06

Scale

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Key Plan

KEY CONCEPTS



Apple's Face ID

Museum and Al Network's Al ethics workflow



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Key Concepts

Drawing Number

EX.01.07

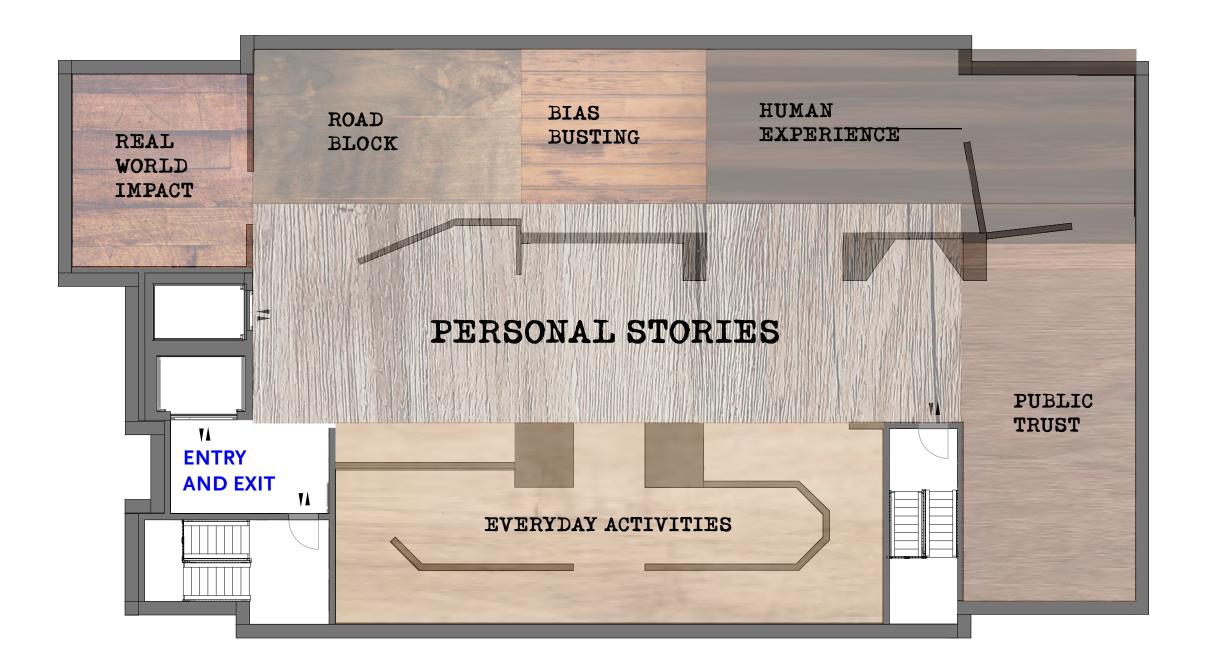
Scale

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Key Plan

BUBBLE FLOOR PLAN

6,000 SQ FT





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Drawing Name

Bubble Floor Plan

Drawing Number

EX.01.08

Scale 3/32" = 1'- 0"

Key Plan

OVERVIEW

The exhibition "Artificial Minority" is an eleven-month exhibition starting from August 12, 2024 through July 16, 2025.

Visitors read first-person narrative diaries of true stories of thoughts, feelings, and experiences with the technology.

Then, they are encouraged to reflect on the stories and share their own experiences with facial recognition.



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Date

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Drawing Name

Overview

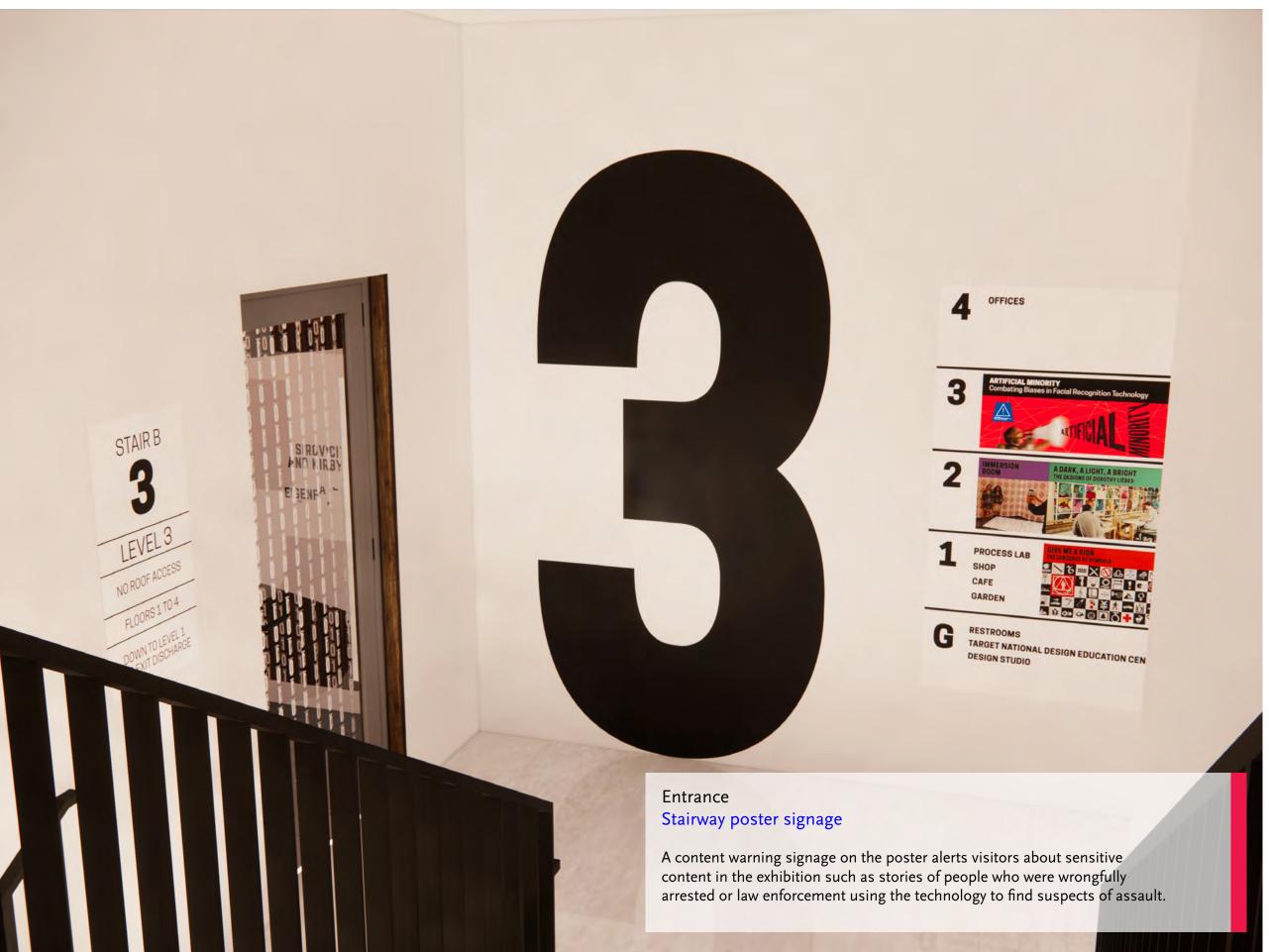
Drawing Number

EX.01.09

Scale

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Key Plan





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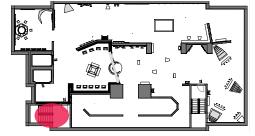
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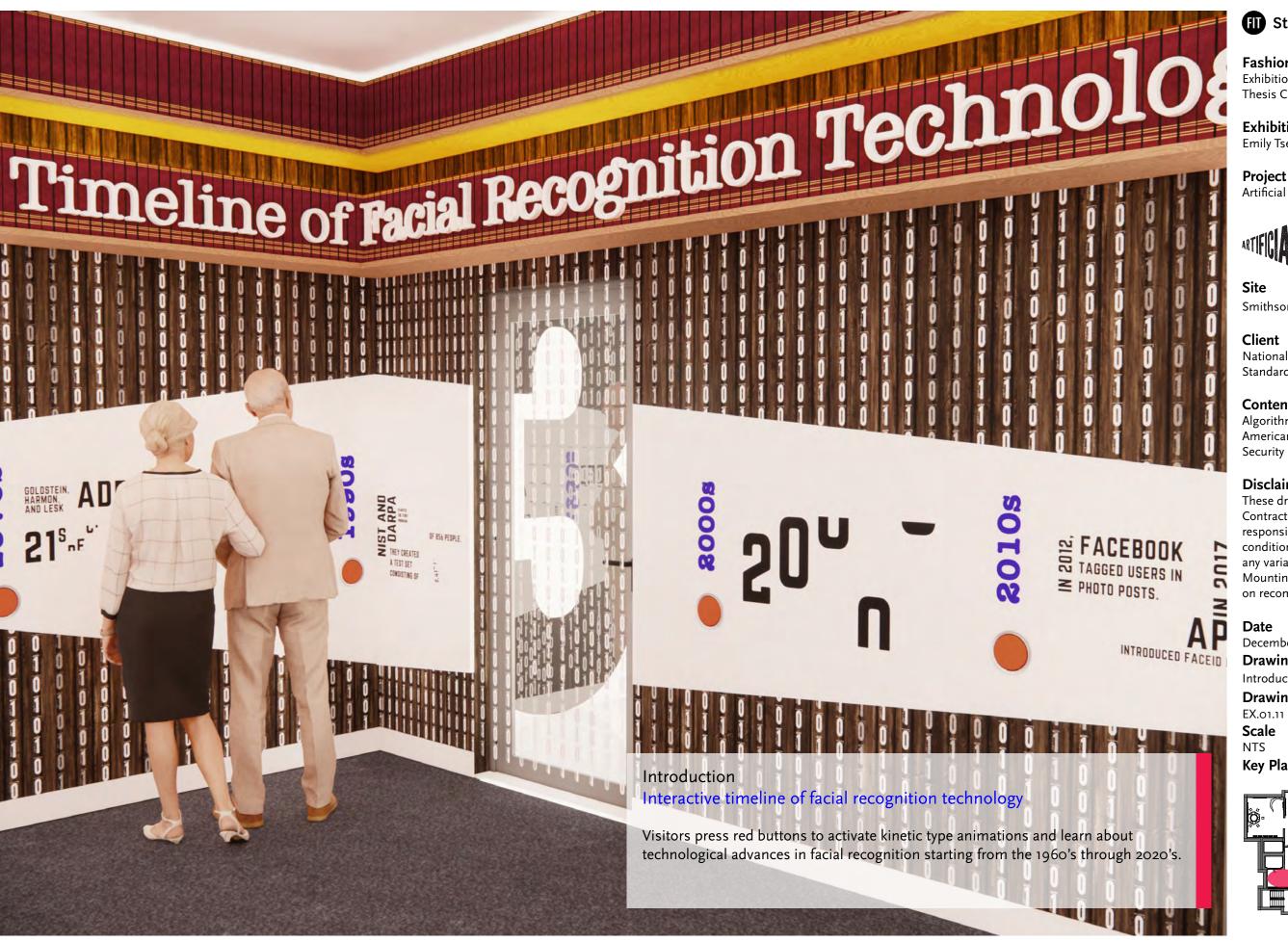
Entrance

Drawing Number

EX.01.10

Scale NTS







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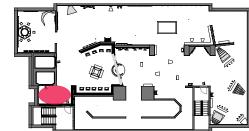
December 8, 2023

Drawing Name

Introduction

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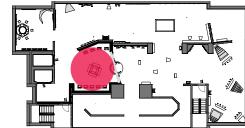
Biases Spotlight

Drawing Number

EX.01.12

Scale

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Drawing Name

Adopt-A-Persona

Drawing Number

EX.01.13

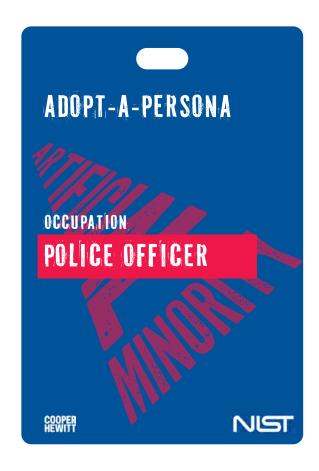
Scale

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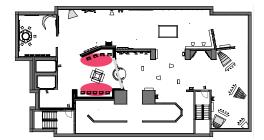
Personality Quiz

Drawing Number

EX.01.14

Scale

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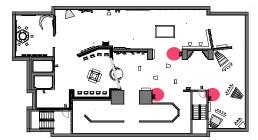
Read and Reflect

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EX.01.15

Scale

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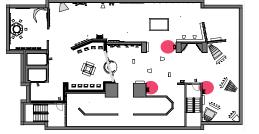
Diaries Storyboard

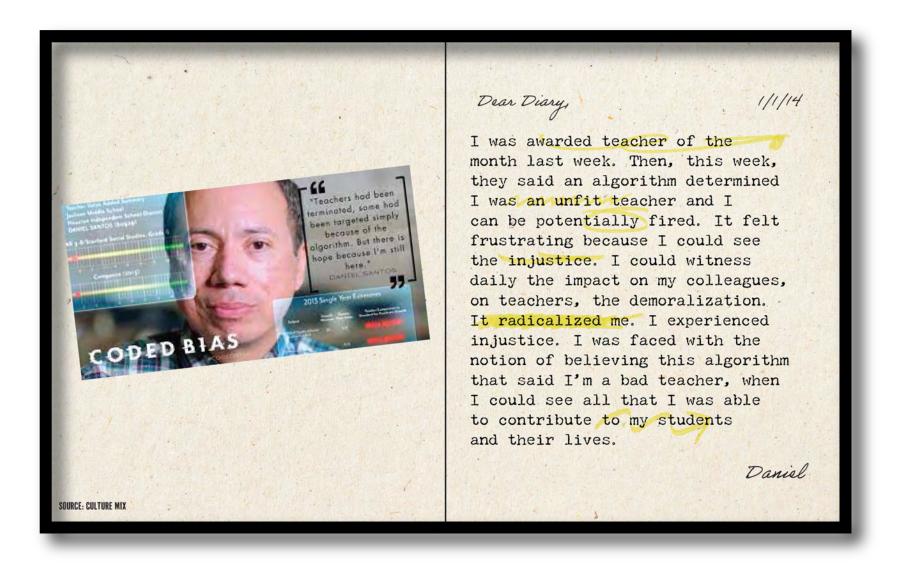
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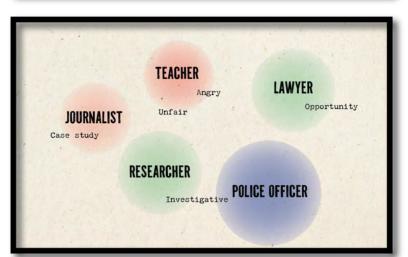
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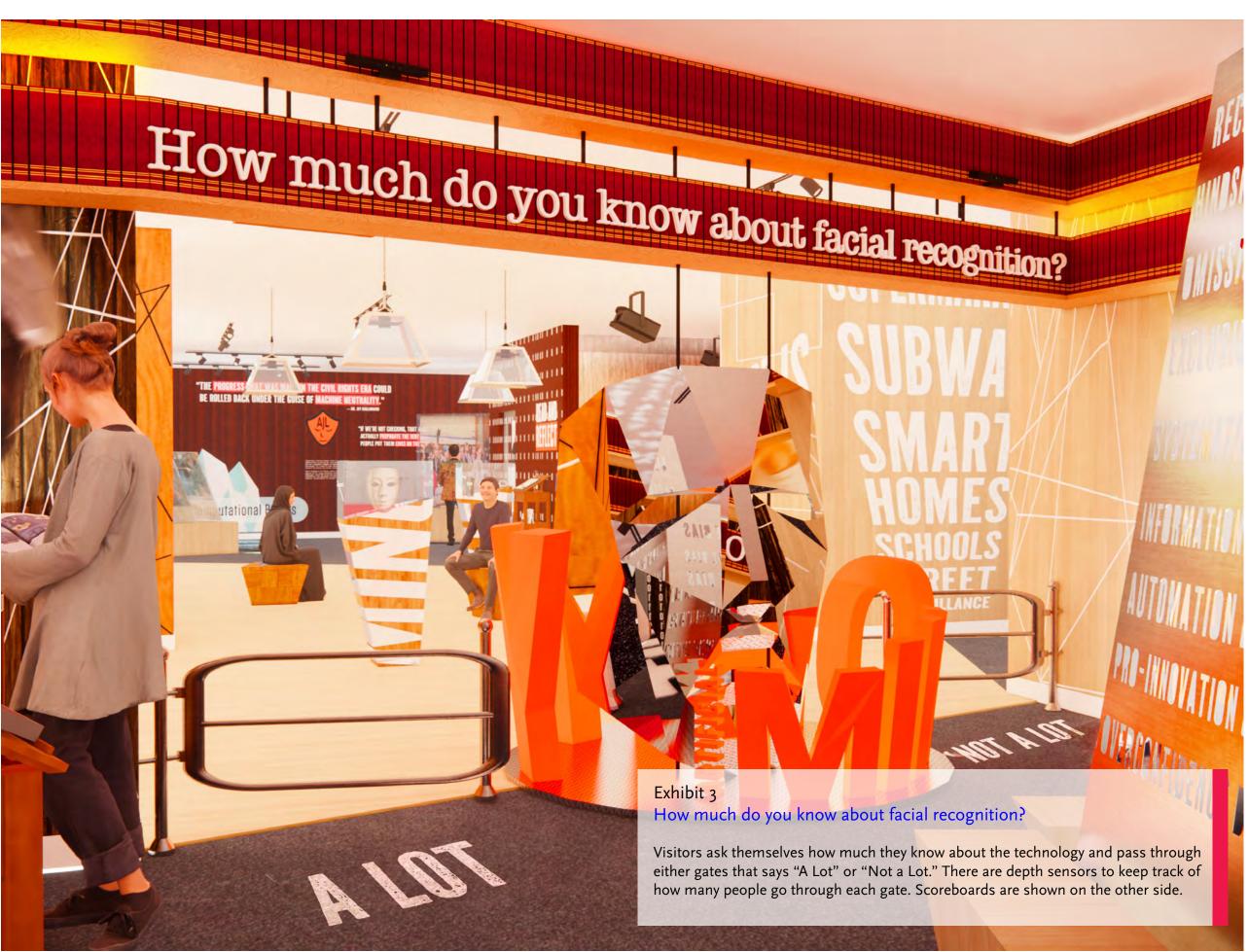
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Question Prompt

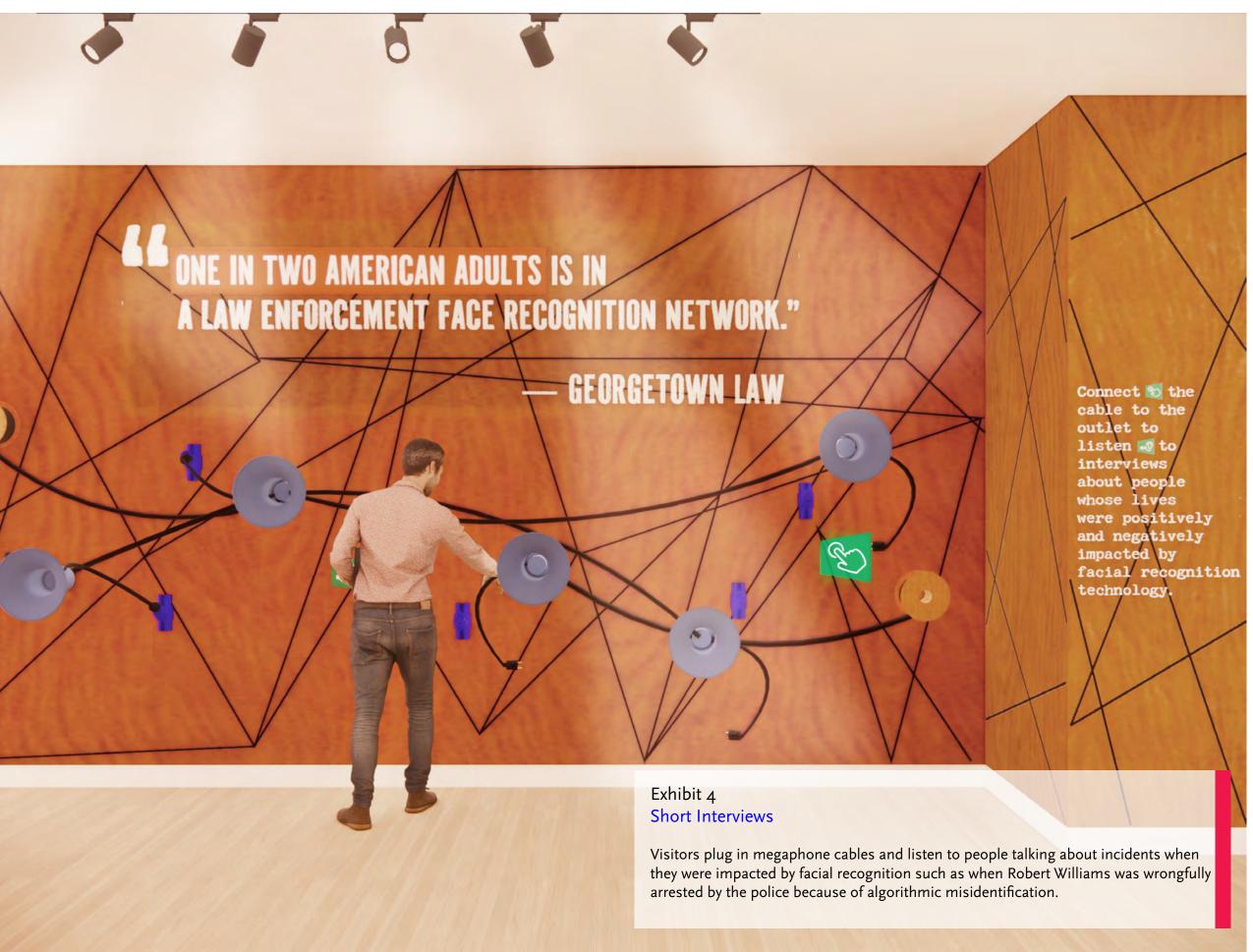
Drawing Number

EX.01.17

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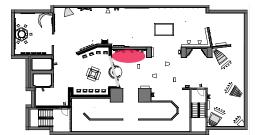
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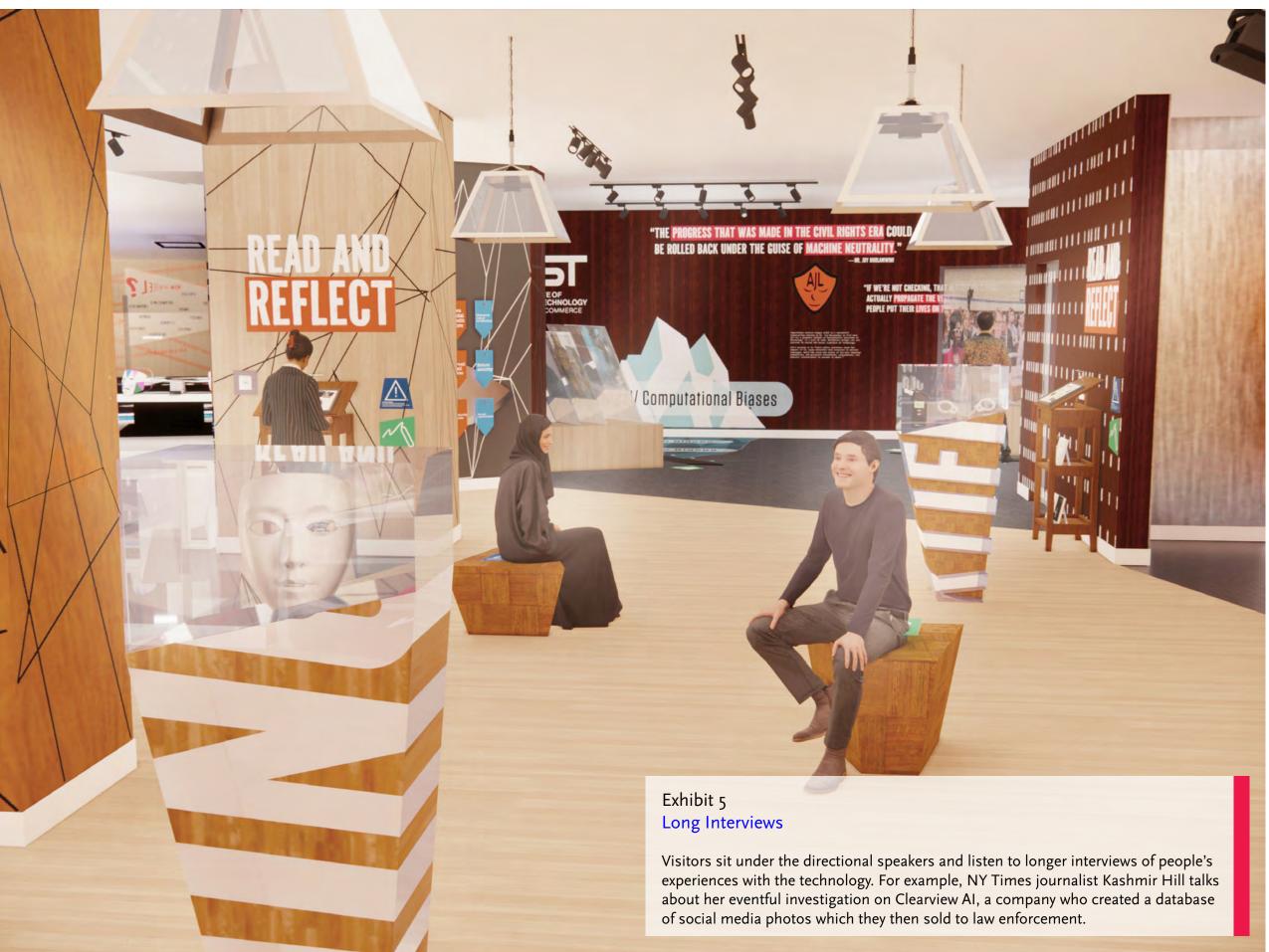
Megaphone Wall

Drawing Number

EX.01.18

Scale NTS







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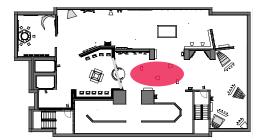
Interviews

Drawing Number

EX.01.19

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C.O.M.P.A.S.

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EX.01.20

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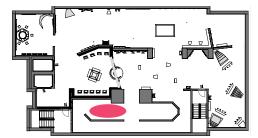
Drawing Name

Everyday Activities

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EX.01.21

Scale NTS







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Behind the Scenes

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Pro or Con?

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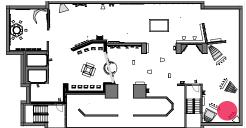
Drawing Name

Glass Box

Drawing Number

EX.01.24

Scale







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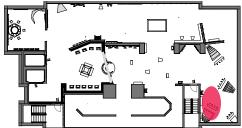
These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions and inform this office of any variations prior to performing work. Mounting details to be modified based on recommendation from fabricator.

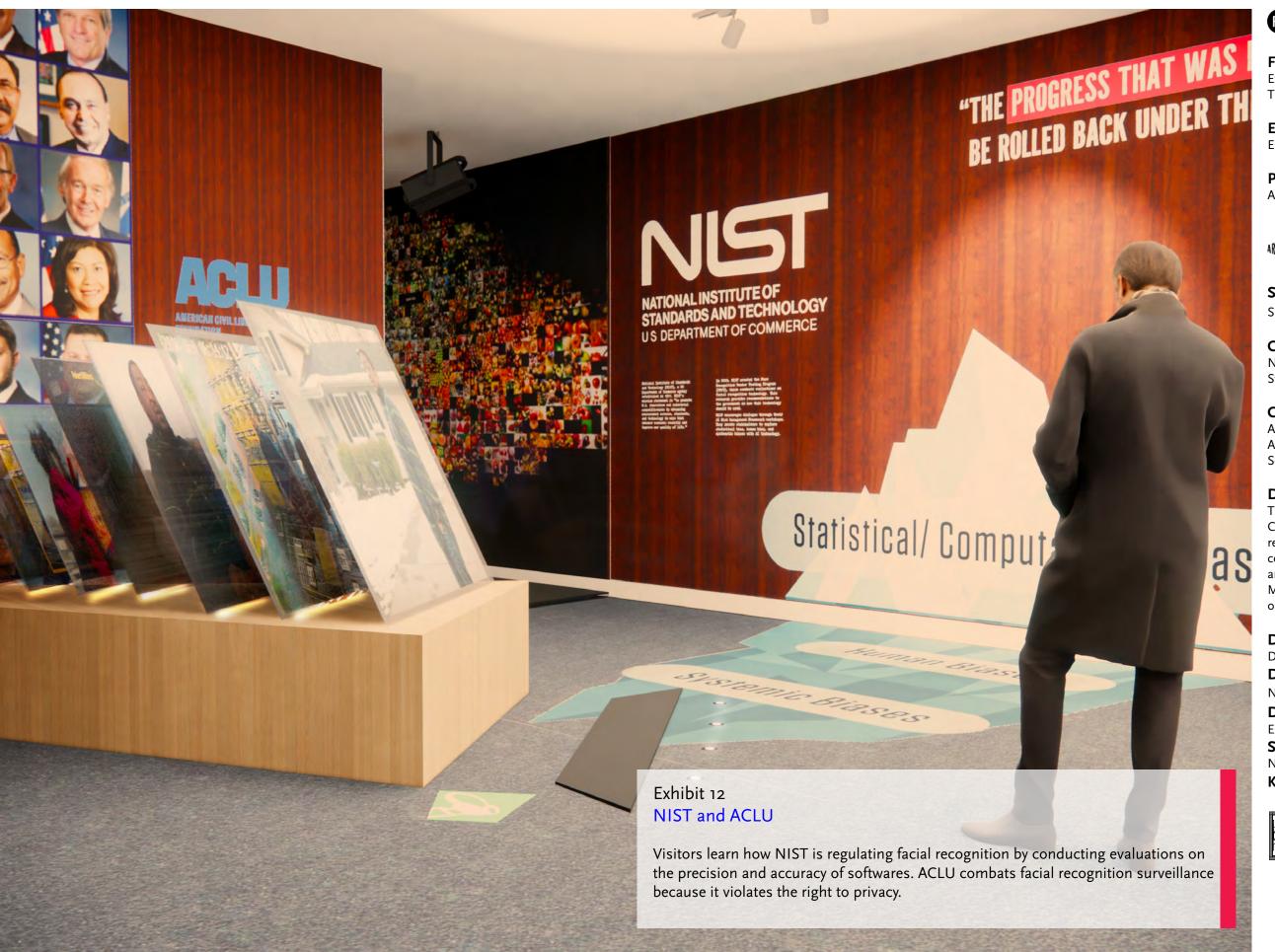
December 8, 2023

Drawing Name

Public Trust

Drawing Number







Fashion Institute of Technology

Exhibition and Experience Design Thesis Capstone 2023

Exhibition Designer

Emily Tse

Project

Artificial Minority



Smithsonian Cooper Hewitt Museum

Client

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Date

December 8, 2023

Drawing Name

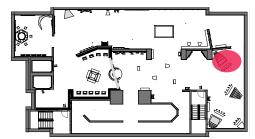
NIST and ACLU

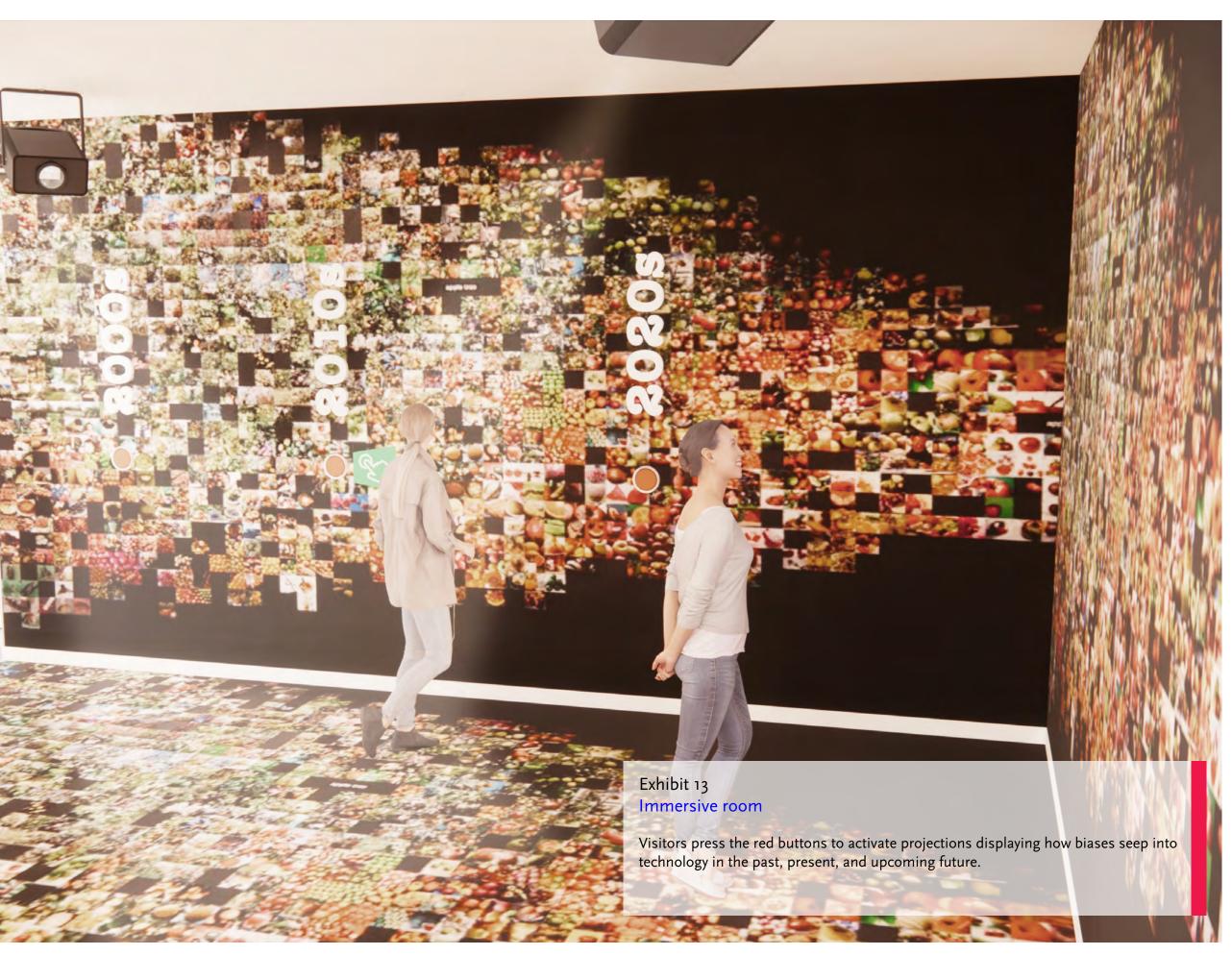
Drawing Number

EX.01.26

Scale

NTS







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Date

December 8, 2023

Drawing Name

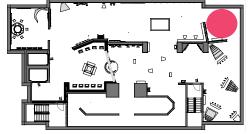
Biases in Technology

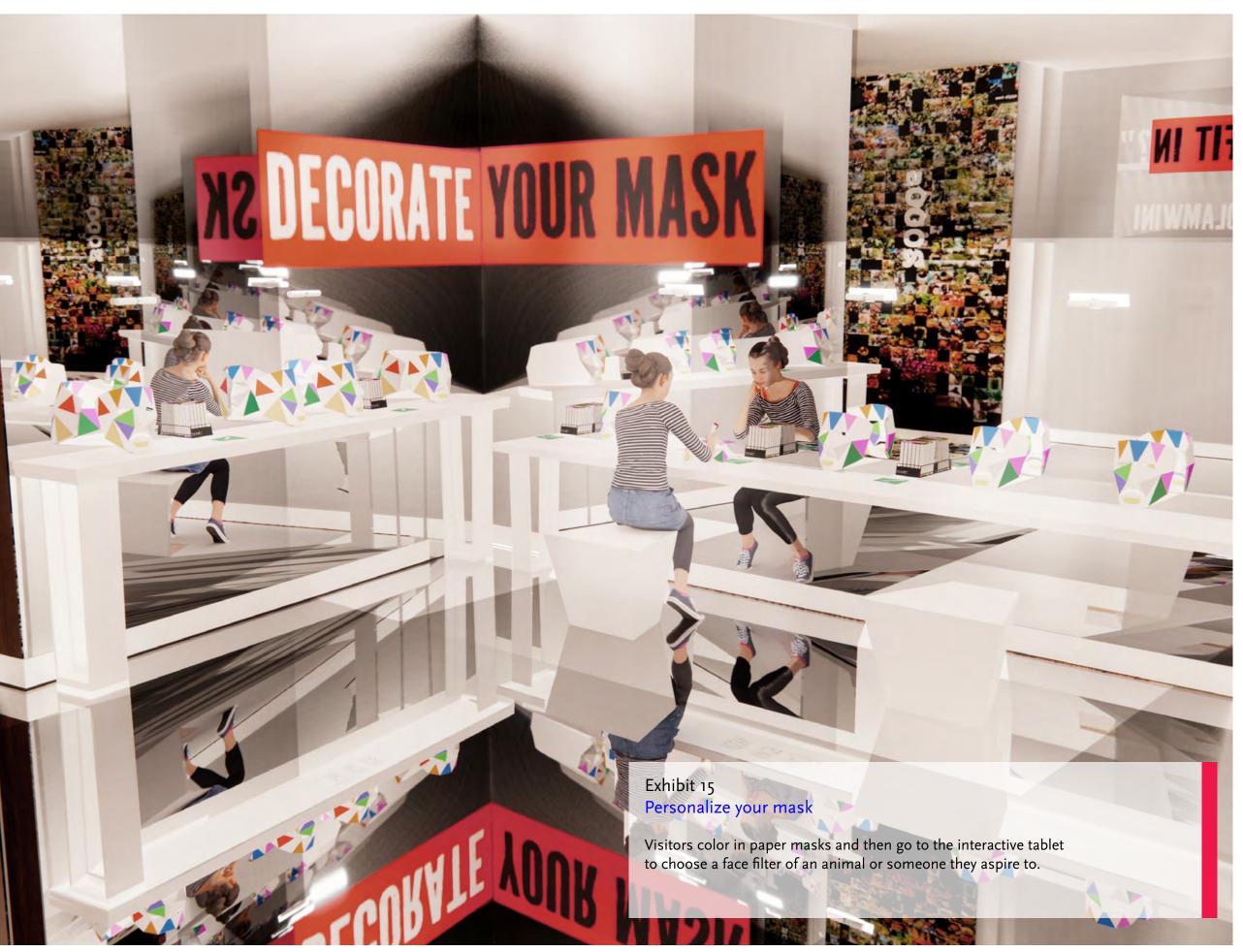
Drawing Number

EX.01.27

Scale

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Date

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Drawing Name

Personalize Mask

Drawing Number

EX.01.28

Scale

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Date

December 8, 2023

Drawing Name

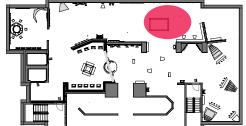
Fitting In

Drawing Number

EX.01.29

Scale

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Date

December 8, 2023

Drawing Name

Monopoly of Biases

Drawing Number

EX.01.30

Scale

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Date

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Drawing Name

Implicit Bias Test

Drawing Number

EX.01.31

Scale

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Date

December 8, 2023

Drawing Name

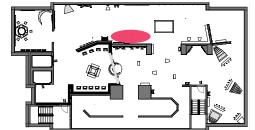
110 Skin Tones

Drawing Number

EX.01.32

Scale

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Date

December 8, 2023

Drawing Name

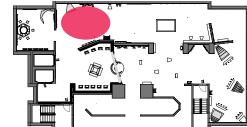
Share Thoughts

Drawing Number

EX.01.33

Scale

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Date

December 8, 2023

Drawing Name

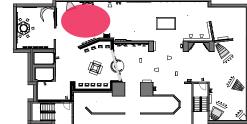
Join Conversations

Drawing Number

EX.01.34

Scale

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Date

December 8, 2023

Drawing Name

Workshop

Drawing Number

EX.01.35

Scale NTS







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Date

December 8, 2023

Drawing Name

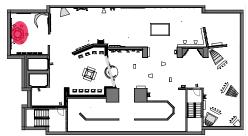
Ethical AI Workshop

Drawing Number

EX.01.36

Scale

NTS







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Date

December 8, 2023

Drawing Name

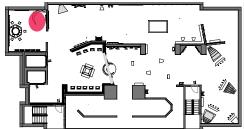
Face ID

Drawing Number

EX.01.37

Scale

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Date

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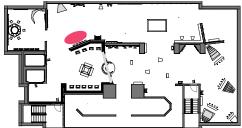
Drawing Name

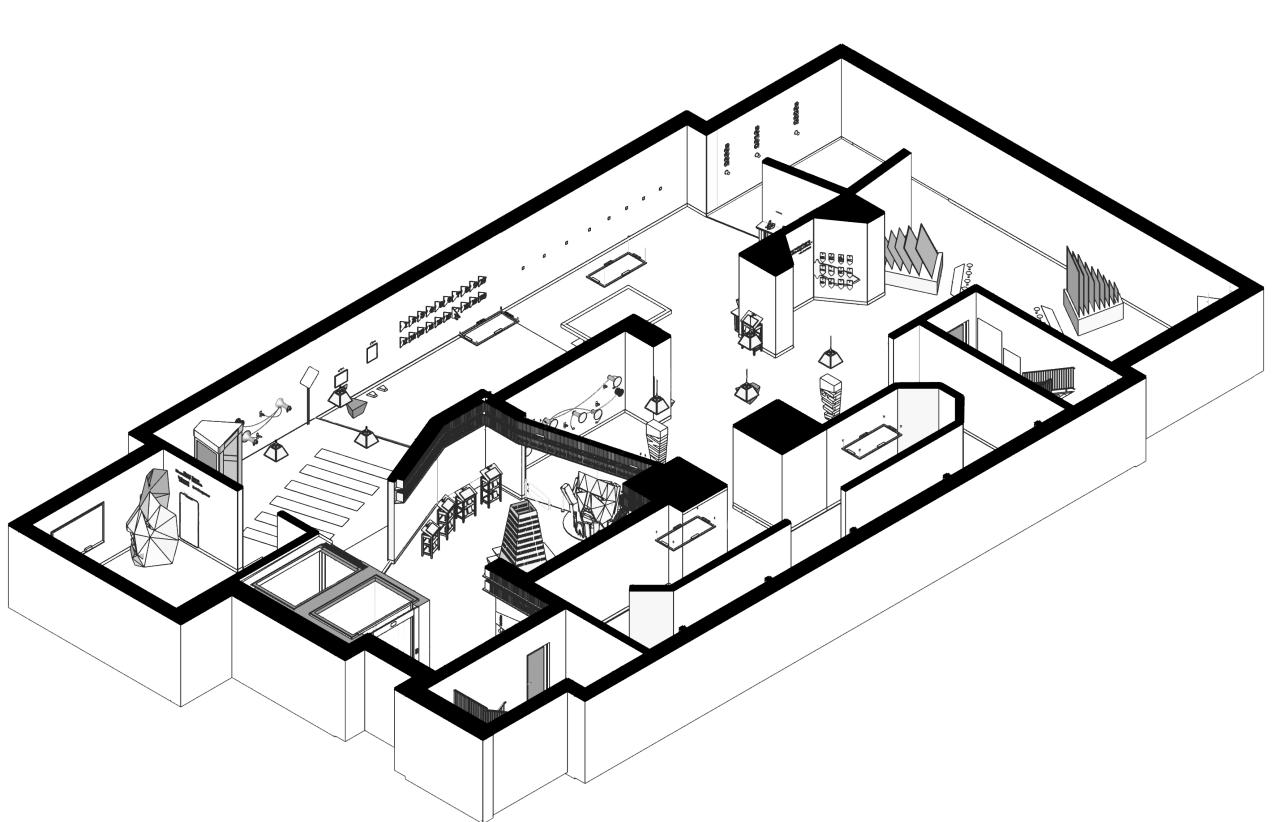
Voting Bins

Drawing Number

EX.01.38

Scale







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Date

December 8, 2023

Drawing Name

Isometric View

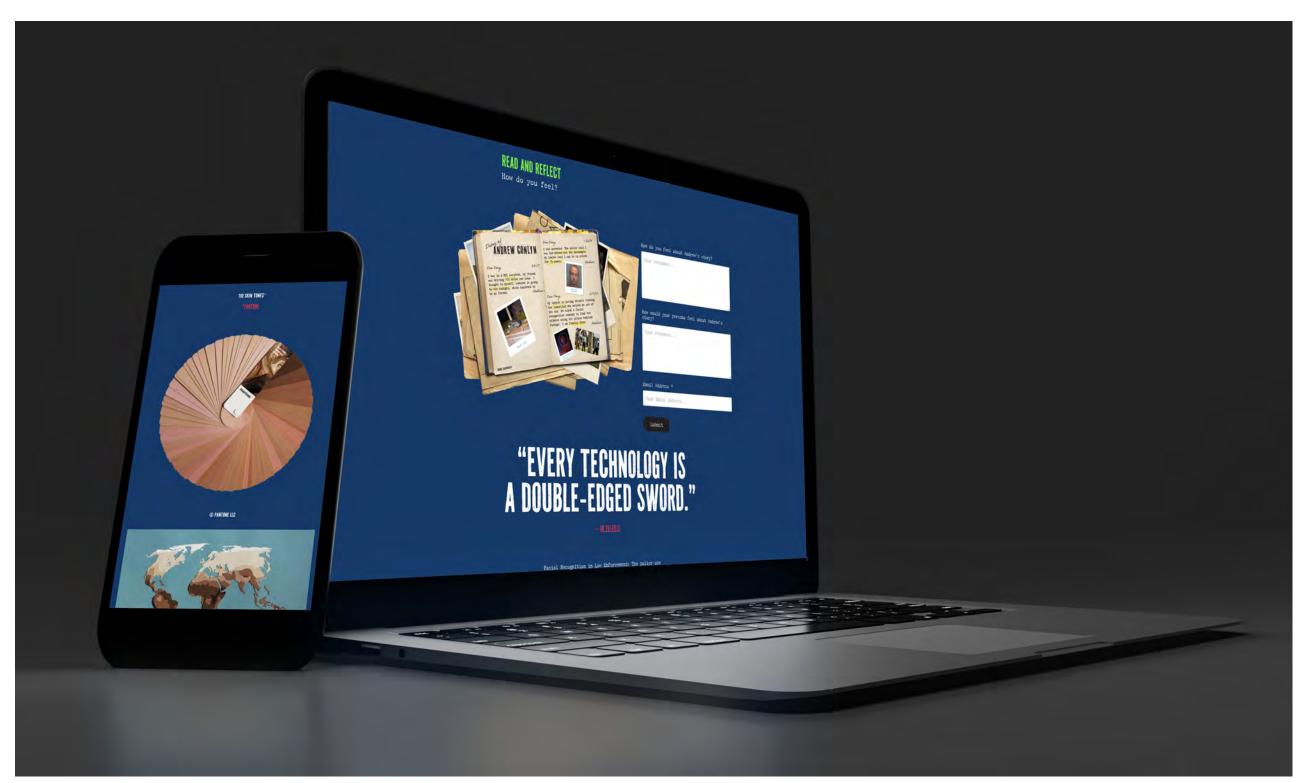
Drawing Number

EX.01.39

Scale

NTS

Key Plan



Digital Experience

Website

Visitors can experience the exhibition digitally. All the exhibits are transformed into digital experiences. Digital visitors also adopt fictional personas and read about the stories of Dr. Buolamwini, Williams, and Conlyn. Visitors' online contribution are recorded and incorporated into the exhibition's digital stations.



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Date

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Drawing Name

Digital Exhibition

Drawing Number

EX.01.40

Scale

NTS

Key Plan

SCHEDULES AND LISTS

GRAPHIC SCHEDULE (1/2)

	State University of New York
--	------------------------------

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Date

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Drawing Name

Graphic Schedule 1/2

Drawing Number

EX.02.01 Scale NTS

Key Plan

Wayfinding	Tyma	Description	Exhibit Content	Tuna	Description
Wayfinding 01A.01.GR001	Type ^	Description Bookshelf at central park	09A.01.GR073	Type D	Description "How much do you have to change
01A.01.GR001	A A	Open book outside museum	09A.01.0K0/3	Б	yourself to fit in?"
01A.02.GR003	В	Floor graphics outside museum	09A.02.GR074	D	Decorate your mask title
01A.02.GR004	C	Flag banners outside museum	10A.02.GR077	В	Monopoly of biases graphic
02A.01.GR005	ı	Wayfinding on stairs	10A.01.GR078	D	Wall of biases title
02A.01.GR006	В	Floor graphics on stairs	10A.01.GR079	M	20-count 5" x 5" panels
02A.02.GR007	D	Mural in elevator 1 panel 1	10A.01.GR080	H	20-count dimensional numbers
02A.02.GR008	D	Mural in elevator 1 panel 2	10A.01.GR081	D	Implicit bias test title
02A.02.GR009	D	Mural in elevator 1 panel 3	10A.03.GR082	D	Pantone skin tones title
02A.03.GR010	D	Mural in elevator 2 panel 1	10A.03.GR083	D	110-count Pantone skin tone decals
02A.03.GR011	D	Mural in elevator 2 panel 2	10A.03.GR084	N	World map
02A.03.GR012	D	Mural in elevator 2 panel 3	10A.03.GR085	M	Pantone wheel
		μ	11A.04.GR088	D	Quote "If you have a face, you have a
Introduction			'		place in the conversation about AI"
03A.02.GR015	Н	Timeline dimensional letters	11A.01.GR090	D	Record your experiences
03A.03.GR016	D	Infographics			with facial recognition
03A.03.GR108	K	Logo	11A.01.GR091	Н	Telephone
			11A.02.GR092	D	Question: How do you feel?
Exhibit Content			11A.04.GR093	D	Question: How much do you support
04A.01.GR017	Н	Adopt-a-Persona title			facial recognition?
04A.02.GR020	1	Biases sculpture	11A.04.GR094	D	5-count recycle decal
04A.03.GR021	Н	Adopt-a-Persona title	12A.04.GR095	D	Question: Where do you
04A.04.GR024	Н	Dimensional letters of logo			use facial recognition?
04A.04.GR025	Н	Dimensional letters asking "How much	12A.01.GR098	D	Question: What are the pros and
		do you know about facial recognition?"			cons of facial recognition?
05A.01.GR028	D	Quote	12A.02.GR099	D	Face ID Quote
05A.02.GR036	D	Read and reflect	12A.02.GR100	Н	Dot projector
05A.02.GR039	D	Read and reflect	12A.02.GR101	Н	Front camera
05A.02.GR042	D	Read and reflect	12A.02.GR102	Н	Infrared camera
06A.01.GR045	D	Infographic of COMPAS	12A.02.GR103	Н	Flood illuminator
07A.01.GR052	D	Quote	07A.02.109	K	Iceberg biases
07A.01.GR054	Н	Pros title			
07A.01.GR055	Н	Cons title	Directives		
07A.01.GR056	M	36-count 5" x 5" panels	05A.01.GR029	D	Directive to touch
07A.03.GR057	D	Read and reflect	05A.02.GR030	D	Directive to listen
07A.03.GR060	J	Large graphic panels 9-count	05A.02.GR032	D	Directive to listen
07A.02.GR062	J	Medium graphic panels 7-count	05A.02.GR034	D	Directive to listen
07A.04.GR064	J	Medium graphic panels 5-count	05A.02.GR035	D	Directive to listen
07A.04.GR066	J	Small graphic panels 7-count	05A.02.GR038	D	Directive to write

GRAPHIC SCHEDULE (2/2)

12A.01.GR114

11A.01.GR115

11A.04.GR116

10A.01.GR117

10A.02.GR118

Digital Media

03A.02.GR014

04A.01.GR019

04A.03.GR023

04A.04.GR026

04A.04.GR027

05A.02.GR037

F

F

В

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Directive	Туре	Description	Digital Media	Туре	Description
05A.02.GR041	D	Directive to write	05A.02.GR040	0	Digital media station
05A.02.GR044	D	Directive to write	05A.02.GR043	0	Digital media station
07A.01.GR053	D	Directive to touch	o7A.o3.GRo58	0	Digital media station
o7A.o3.GRo59	D	Directive to write	08A.01.GR068	0	Video wall
o7A.o3.GRo61	D	Directive to step	08A.02.GR069	0	Video wall
07A.02.GR063	D	Directive to step	08A.03.GR070	0	Video wall
07A.04.GR065	D	Directive to step	08A.04.GR071	0	Video wall
07A.04.GR067	D	Directive to step	08A.05.GR072	0	Projected video
09A.02.GR075	D	Directive to draw	09A.03.GR076	0	Aspire mirror digital screen
			10A.01.GR086	0	Implicit bias test horizontal
Label			10A.01.GR087	0	Implicit bias test vertical
05A.02.GR031	D	Label copy of mask artifact	11A.04.GR089	0	LCD display
05A.02.GR033	D	Label copy of handcuffs and	12A.03.GR096	Ο	Responsible AI projection
		breathalyzer artifact	12A.03.GR097	Ο	5-count digital tablet 13"
		·	12A.02.GR104	0	Phone digital video
Mural			o6A.o1.GRo49	G	Video of street
03A.01.GR013	Е	Distorted type mural	o6A.o2.GRo50	G	Video of social credit system
04A.01.GR018	Е	People with bullhorn mural	o6A.o3.GRo51	G	Video of concert surveillance
04A.03.GR022	Е	People with bullhorn mural	o6A.o4.GR105	G	Video of concert
o6A.o1.GRo46	Е	Distorted type mural	06A.04.GR106	G	Video of supermarket
o6A.o1.GRo47	Ε	Distorted type mural	o6A.o5.GR107	G	Video of supermarket surveillance
o6A.o1.GRo48	E	Distorted type mural			·
03A.01.GR110	F	Binary code mural			
05A.02.GR111	F	Binary code mural			
04A.01.GR112	F	Triangular mesh mural			
04A.03.GR113	F	Triangular mesh mural			
	<u>_</u>				

Triangular mesh mural

Caution tape mural

Caution tape mural

Breaking glass mural

Breaking glass mural

Personality quiz

Personality quiz

Score board 1

Score board 2

Digital media station

Timeline of facial recognition



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Date

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Drawing Name

Graphic Schedule 2/2

Drawing Number

EX.02.02

Scale

NTS

Key Plan

GRAPHIC SPECIFICATIONS

Туре	Description
Α	Exterior-grade cedar wood with UV over-laminate
В	Grit-coated vinyl floor graphic
C	Dye sublimation on sunbrella fabric
D	Direct inkjet printing on 1/4" vinyl
E	High resolution direct inkjet printing on 1/4" vinyl
	with end capped wrapped edges
F	Direct inkjet print on clear adhesive vinyl
G	Rose brand premium contrast gray projection screen
Н	1" Sintra PVC CNC-cut dimensional letters
1	1/16" Aluminum bended sheet
J	1/4" acrylic with Duraclear backlit graphic film
K	Dye sublimation on low pile carpet
L	Aluminum frame with vinyl film
M	1" MDF wood boards with laminate
N	1/2" cork sheet
0	, Digital display



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Date

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Drawing Name

Graphic Specifications

Drawing Number

EX.02.03

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Key Plan

FINISH SCHEDULE (1/2)



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Date

December 8, 2023

Drawing Name

Finish Schedule 1/2

Drawing Number

EX.02.04 Scale NTS

Key Plan

Code	Туре	Details	Location	Image	Code	Туре	Details	Location	Image
WDo1	Wood	3/4" birch plywood 4'x8' panels	03A, 04A, 05A, 06A, 07A, 10A, 11A, 12A		WDo7	Wood	1/4"x3"x48" red cedar boards	01A.01, 01A.02	
WDo2	Wood	Gel stain oil-based coffee semi-transparent	03A, 04A	CI. TYAN	FL01	Carpet	Low-pile blue carpet Pantone P 57-8C	04A.02, 06A.01, 07A.03	
WDo3	Wood	Gel stain oil-based cherrywood semi- transparent	11 A	GEL STAN	FL02	Steel	Diamond steel sheet	06A.02, 06A.03, 06A.05,	
WDo4	Wood	1/16" self-adhesive mahogany veneer	07A, 10A		FLo ₃	Rubber	1/4" Black rubber with white rubber inlay	11 A .03	
WDo5	Wood	1/16" self-adhesive oak veneer	05A, 06A		FL04	Vinyl	Rosebrand vinyl mirror floor with non-slip coating	09A.01, 09A.02, 09A.03	
WDo6	Wood	1/16" self-adhesive walnut veneer	12Å		FL05	Vinyl	Vinyl tile flooring	12A.01, 12A.02, 12A.03	

FINISH SCHEDULE (2/2)



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Date

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Drawing Name

Finish Schedule 2/2

Drawing Number

EX.02.05

Scale NTS

Key Plan

Code	Туре	Details	Location	Image	Code	Туре	Details	Location	Image
ACo1	Acyclic	1/4" acrylic sheet	07A.02, 07A.03, 07A.04		Dlo1	Vinyl	Dichroic film	12A.02	
MI01	Mirror	Half-silvered mirror, one way mirror film with adhesive	09A.01, 09A.02		CHo1	Chrome	Polished chrome pyramid pendant	05A.02, 11A.03	
MI02	Mirror	Avery chrome mirror vinyl	04A.04		FT01	Rubber	Floor transition strip	03A.03, 05A.02, 11A.03	
AL02	Aluminum	Aluminum bendable wire	04A.04, 12A.02		LA01	Layered Paper	Formica red laminate P 1-1 C	07A.01, 10A.01	
ALo3	Aluminum	1/4" aluminum base plate	04A.04		Lo2	Paper	Formica blue laminate P 57-8 C	07A.01, 10A.01	
AL04	Aluminum	Embossed aluminum sheet	06A.02, 06A.03, 06A.05		LAo3	Paper	Formica green laminate P 104-16 C	07A.01, 10A.01	

LIGHTING SCHEDULE (1/2)

Code	Туре	Manufacturer	Details	Quantity	Location	Image
Lo1	Downlight on track	ETC	Irideon FPZ, 800 lumens, dimmable, 2700K Gallery, 90+CRI	70	04A.02, 05A.02, 06A.01, 09A.03, 10A.02, 11A.03, 12A.02	i
Lo2	Laser beam gobo on track	LSI	BPM Series, Gobo slot, 15-30 ft throws	20	06A.02, 06A.05	
Lo3	RGB Mini LED Light	Lumenstar	1.7" diameter, 75 lumens, dimmable, 85 CRI	17	03A.02, 08A.01, 08A.03	
Lo4	Wall washer	ERCO	Grazing light wallwasher, 590lm - 4950lm, 3000K, 82 CRI	6	03A.02, 04A.01, 04A.03, 04A.04	
Lo5	Desk lamp	Reliable	UberLight™ Flex 3100TL, Clamp, 270° rotational head, 4000K, 600 Lumens, 80+CRI	13	04A.01, 04A.03, 05A.02, 07A.03	16
Lo6	Tube LED wall sconce	Lumens	936 lumens, 3000K, 92 CRI	7	09A.02, 10A.01	-



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Drawing Name

Lighting Schedule 1/2

Drawing Number

EX.02.06

Scale

NTS

Key Plan

LIGHTING SCHEDULE (2/2)

Code	Туре	Manufacturer	Details	Quantity	Location	Image
Lo7	Recessed uplight	ERCO	Tesis, 4000K with CRI 92, anti-slip safety glass	15	07A.02, 07A.03, 07A.04	
Lo8	Linear LED strip	Luminii	LineLED LL42 VHO, 320 lm/ft, 95+ CRI	27	003A.01, 03A.02, 04A.01, 04A.03, 4A.04, 07A.02, 071.03, 07A.04	Section 1 1 The seal
Log	LED Moving Head	PSSL	30W white LED, 7 colors, 540° pan, 270° tilt	1	04A.02	



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Drawing Name

Lighting Schedule 2/2

Drawing Number

EX.02.07

Scale

NTS

Key Plan

MEDIA SCHEDULE (1/3)

Code	Туре	Manufacturer	Details	Quantity	Location	Image
AV01	Projector	Epson	4K PRO-UHD LS12000, 8.3 million pixels, 4K at 120 Hz, 1080p at 120 Hz, 204 W - 311 W, 22-30 dB	11	06A.01, 08A.05, 10A.02, 11A.03, 12A.03	
AV02	Digital display	Elo Touch Solutions	Elo 2770L 27" Full HD Touchscreen Monitor, 1920 x 1080 @ 50, 60Hz	2	10 A .01	
AVo3	Interactive tabletop	Ideum	Colossus II 84" 4K UHD tables with projected capacitive touch technology	1	09A.03	
AV04	Directional speaker	Holosonics	AS-168iX, 85 dB SPL @ 1kHz, 25W max power draw, 16"L x 8"W x 1.66"H, 2.8 lbs	7	05A.02	
AV05	Infrared depth sensor	Intel	RealSense™ Depth Camera D435, 90 fps, 1280 × 720, Depth field of view 87° × 58°	16	06A.01, 06A.04, 09A.03. 10A.02	
AVo6	Recording device	Sony	TX660 Digital Voice Recorder, 16 GB, 4" high	3	11A.01	



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Date

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Drawing Name

Media Schedule 1/3

Drawing Number

EX.02.08

Scale

NTS

Key Plan

MEDIA SCHEDULE (2/3)

Code	Туре	Manufacturer	Details	Quantity	Location	Image
AV07	LCD video wall	LG	Ultra-narrow 3.5 mm bezel-to-bezel	4	08A.01, 08A.02, 08A.03, 08A.04	∂ LG 1255
AVo8	Fog machine	Chauvet DJ	Hurricane Haze 2D, waterbased haze machine,18.7 lb	2	06A.02, 06A.05	Milia .
AV09	RFID reader	Vulcan RFID™	Iron USB Reader, 2.83" x 2.83" x 0.91", 0.18 lbs	16	05A.02, 09A.01, 09A.03	
AV10	Button	Spark Fun	Dome Push button, 100 mm diameter x 72 mm height, 100grams	2 sets of 7- count	03A.01, 03A.02, 08A.01, 08A.03, 08A.04	
AV11	Foot trigger pedal	Ddrum	Spring-action, heel grip	4	07A.02, 07A.03, 07A.04	
AV12	LED sign counter	Electronic Displays	12"L x 4"H x 2.5"D, viewing distance 90 to 100 feet	2	04A.04	7302



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Drawing Name

Media Schedule 2/3

Drawing Number

EX.02.09

Scale

NTS

Key Plan

MEDIA SCHEDULE (3/3)

Code	Туре	Manufacturer	Details	Quantity	Location	Image
AV13	Speaker	Aurasound	49mm, 84 dB sensitivity	5	05A.01, 11A.01	
AV14	Digital Kiosk	Elo Touch Solutions	22" full HD touchscreen monitor, 1920 x 1080 @ 50, 60Hz	13	04A.01, 04A.03, 05A.02	
AV15	Tablet	Samsung	2560 x 1600 pixels, 12.4 inches	20	03A.01, 03A.02, 09A.01, 12A.03	P:45
AV16	ID card printer	Kodak	168x179x259mm, Dyessublimation printing, 6.2	9	04A.01, 04A.03	- 11



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Date

December 8, 2023

Drawing Name

Media Schedule 3/3

Drawing Number

EX.02.10

Scale

NTS **Key Plan**

OBJECT SCHEDULE (1/2)

Unmasking AI Book

Details

Code

OBJo1

	State	University	of Nev	w York
--	-------	------------	--------	--------

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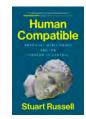
Project

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Site

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Image

AUTOMATING INEQUALITY

Client

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Date

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Drawing Name

Object Schedule 1/2

Drawing Number EX.02.11

Scale

NTS

Key Plan

Not Applicable

·			04A.03, 05A.02
OBJ02	Weapons of Math Destruction Book	Paper	04A.01, 04A.03, 05A.02
OBJo3	Al Ethics Book	Paper	04A.01, 04A.03, 05A.02
OBJ04	Algorithms of Oppression book	Paper	04A.01, 04A.03, 05A.02
OBJ05	Black Skin, White Masks Book	Paper	04A.01, 04A.03, 05A.02
ОВЈ06	Viral Justice Book	Paper	04A.01, 04A.03, 05A.02

Medium

Paper

Location

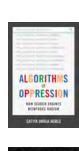
04A.01,



Image

Code

OBJ₀₇













Details

Automating Inequality

Human Compatible Book

Hello World: Being

Algorithms Book

Human in the Age of

The Myth of Artificial

Intelligence book

Medium

Paper

Paper

Paper

Paper

Steel

Plastic

Location

04A.01,

04A.03,

05A.02

04A.01,

04A.03,

05A.02

04A.01,

04A.03,

05A.02

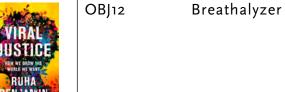
04A.01,

04A.03,

05A.02

05A.02

05A.02





OBJECT SCHEDULE (2/2)



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Drawing Name Object Schedule 2/2

Drawing Number

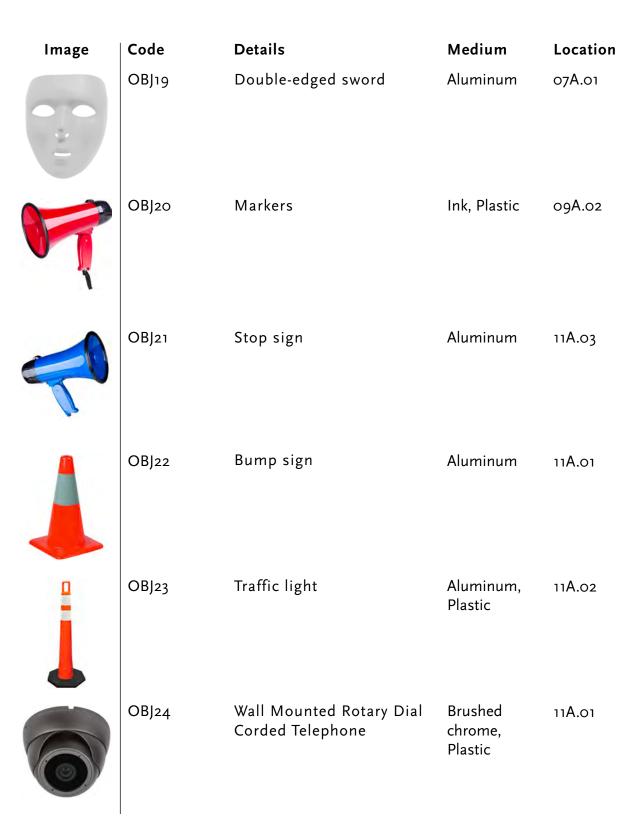
EX.02.12

Scale NTS

Key Plan

Image				
STOP				
ВИМР				

Code OBJ13	Details Mask	Medium Plastic	Location
, ,			
ОВЈ14	Red megaphone	Plastic	05A.01
OBJ15	Blue megaphone	Plastic	11A.01
ОВЈ16	Traffic cone	Plastic	11 A .02
ОВЈ17	Traffic pylon	Plastic	11A.02
ОВЈ18	Security camera	Plastic	06A.02, 06A.05

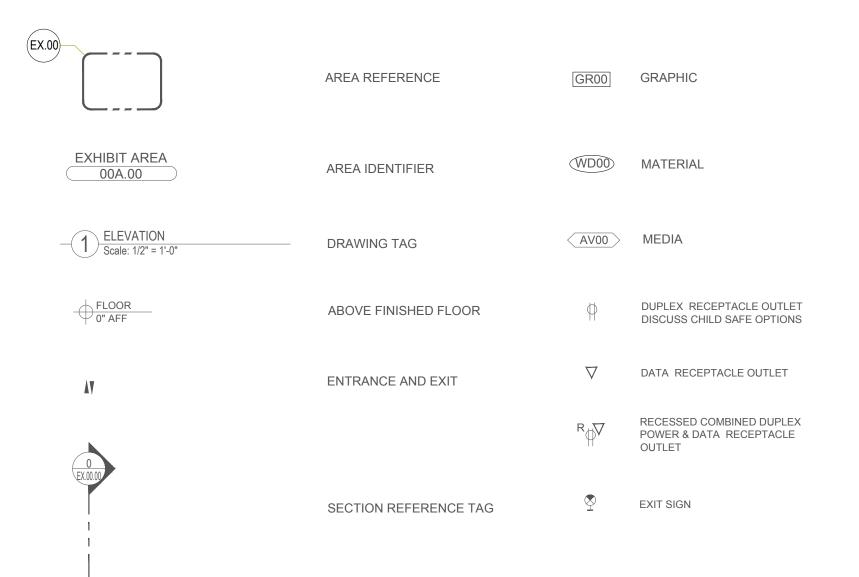






PLANS, SECTIONS, AND ELEVATIONS

SYMBOLS LIST





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Date

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Drawing Name

Symbols List

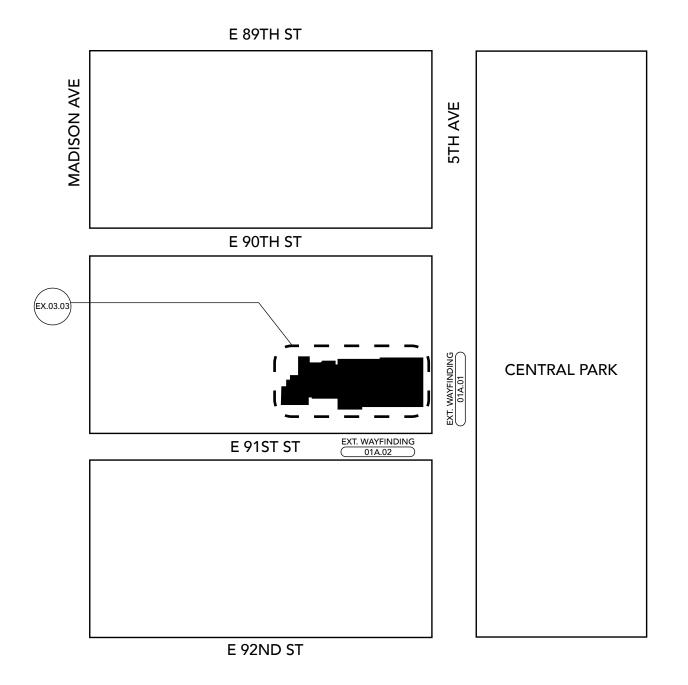
Drawing Number

EX.03.01

Scale

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Date

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Drawing Name

Venue Site

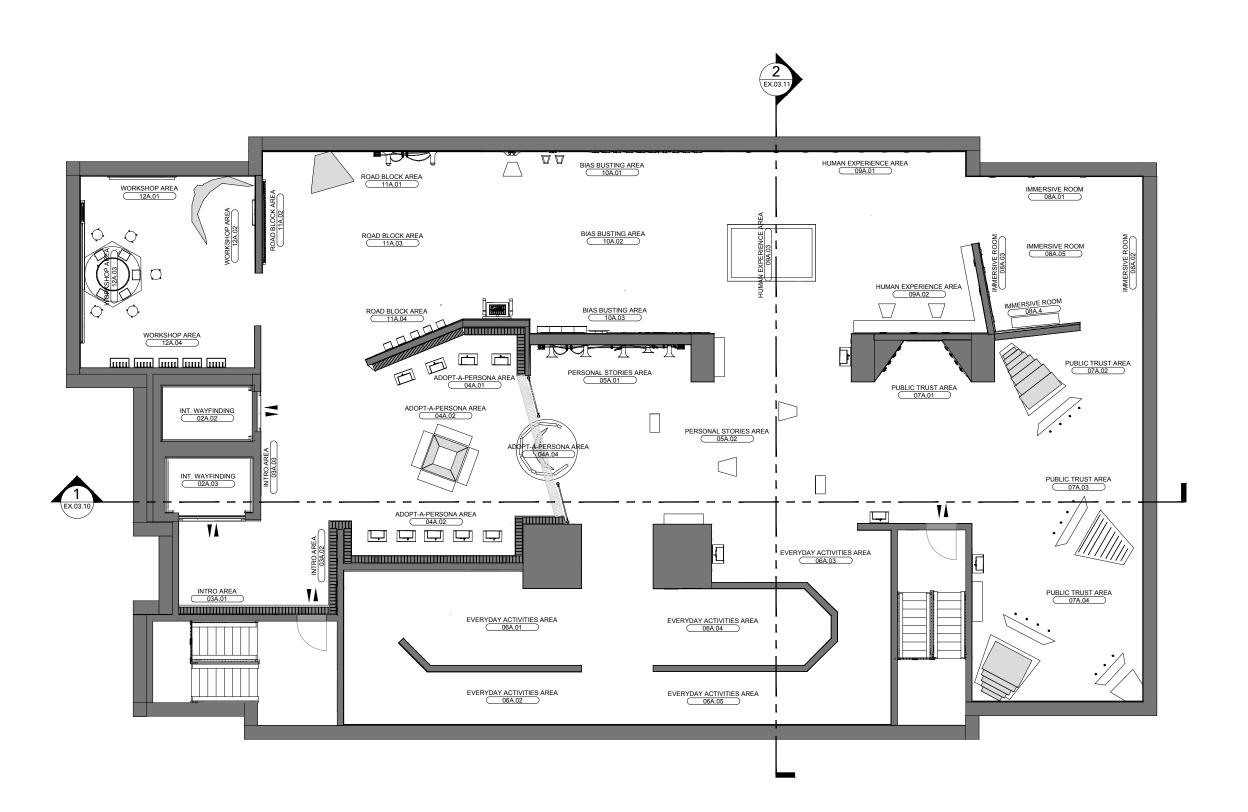
Drawing Number

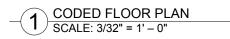
EX.03.02

Scale

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Date

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Drawing Name

Coded Floor Plan

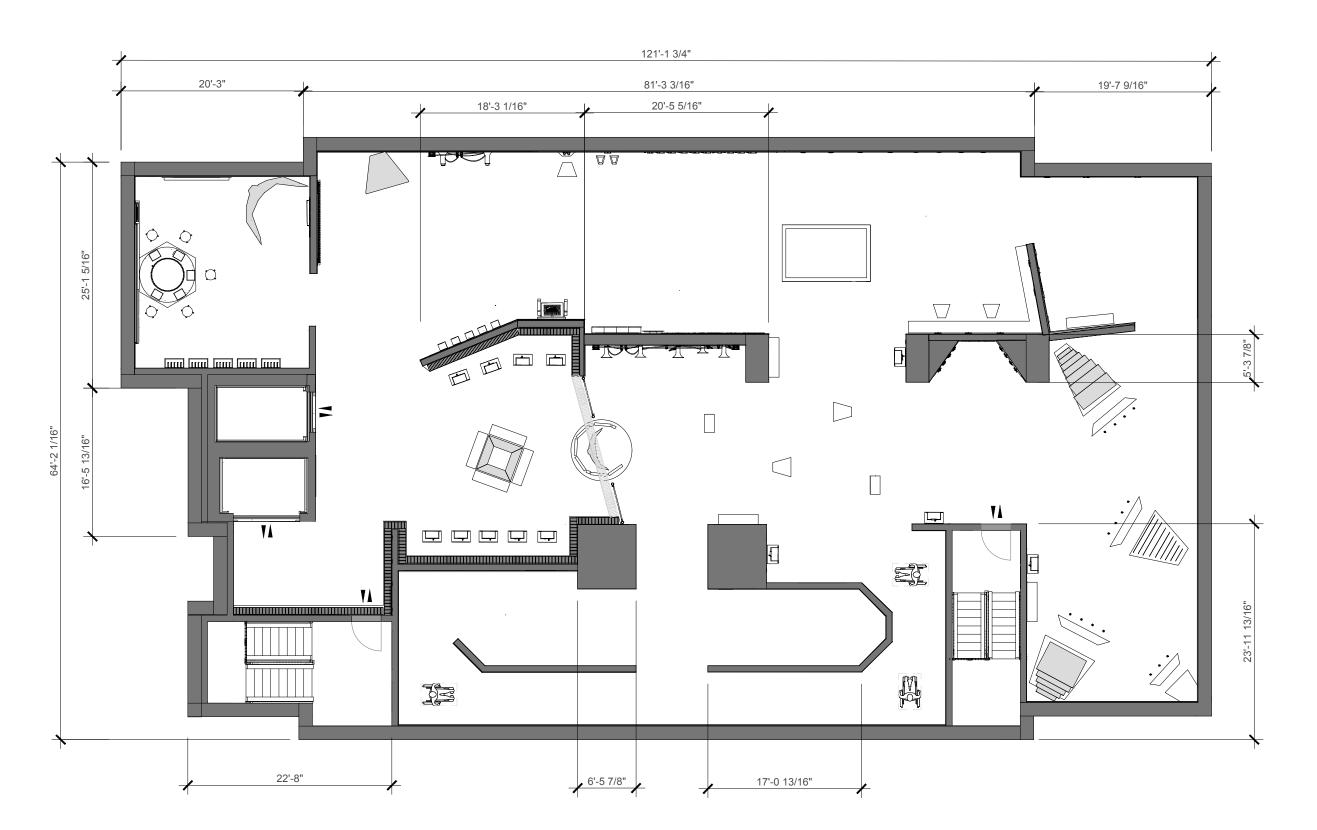
Drawing Number

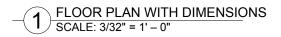
EX.03.03

Scale

3/32" = 1' - 0"

Key Plan









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Date

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Drawing Name

Floor Plan with Dimensions

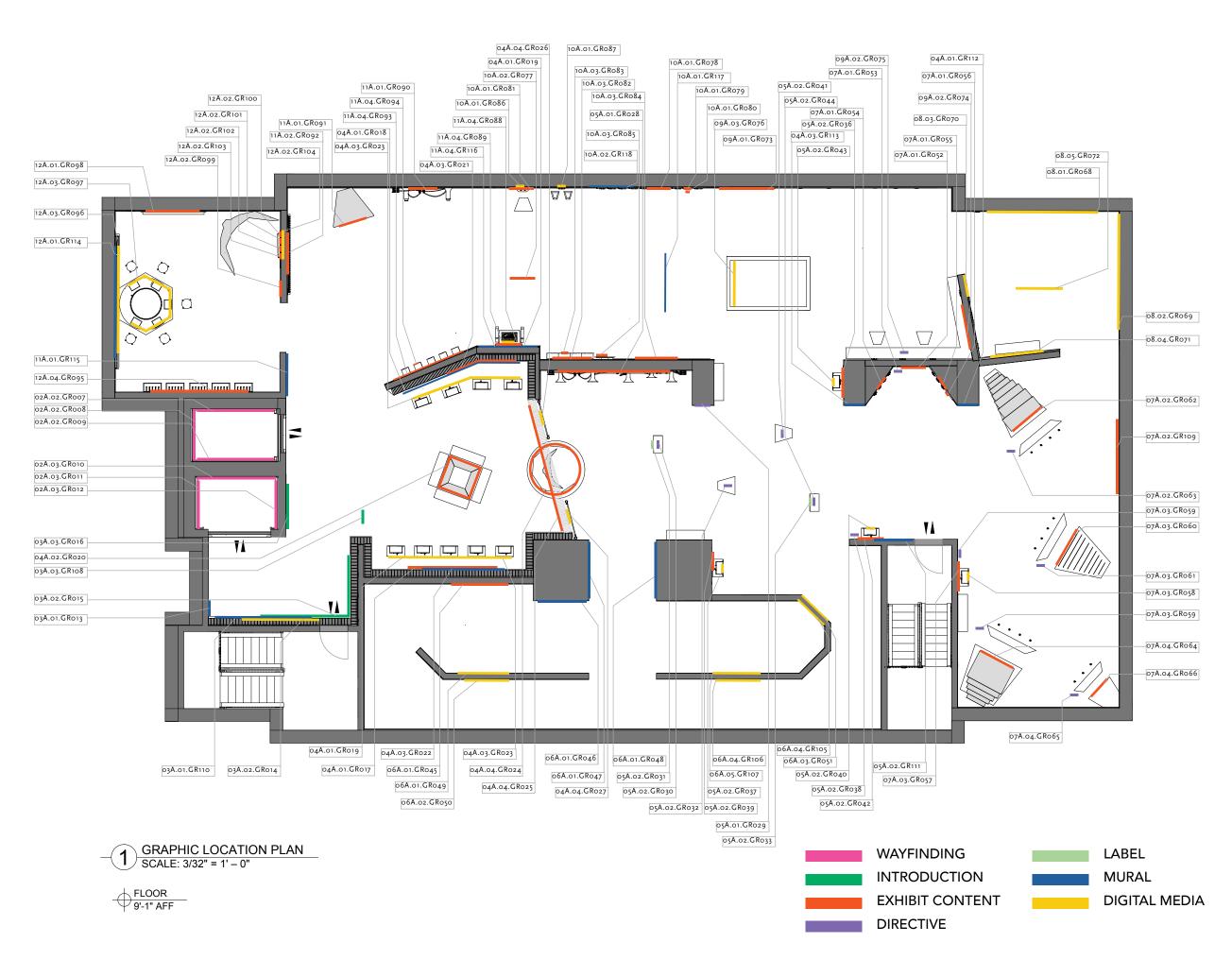
Drawing Number

EX.03.04

Scale

3/32" = 1'-0"

Key Plan





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Date

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Drawing Name

Graphic Location Plan

Drawing Number

EX.03.05

Scale

3/32" = 1'-0"

Key Plan



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Date

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Drawing Name

Material Plan

Drawing Number

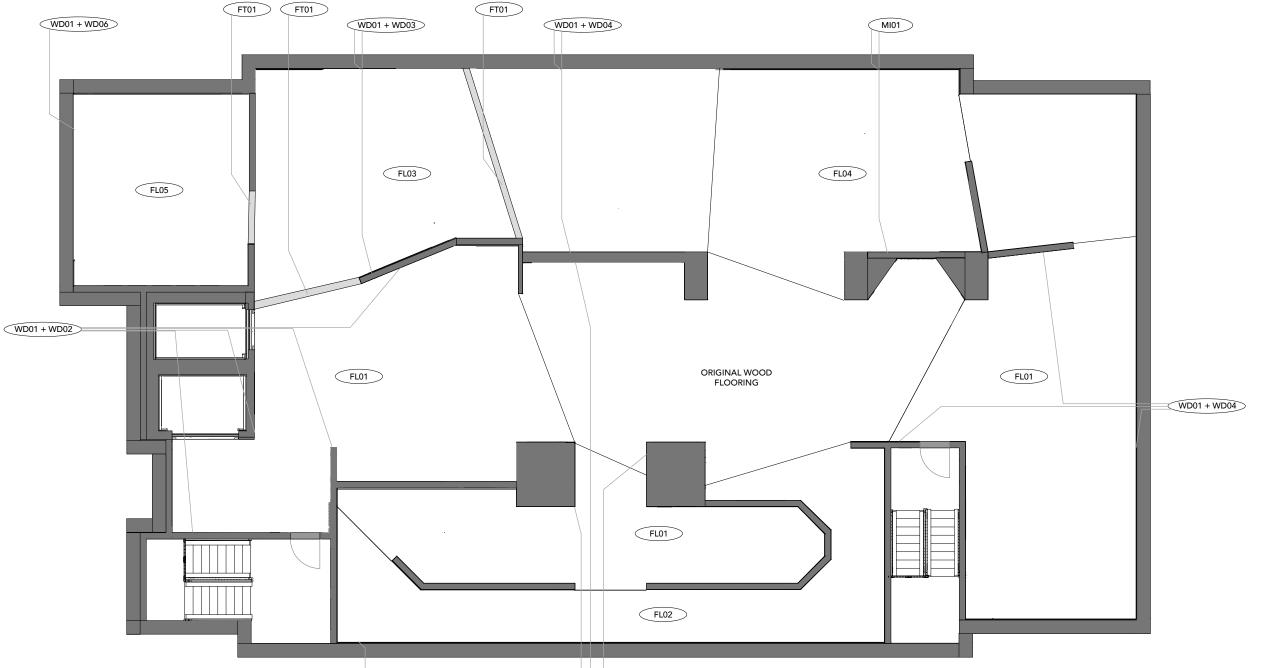
EX.03.06

Scale

3/32" = 1'- 0"

Key Plan

Not Applicable

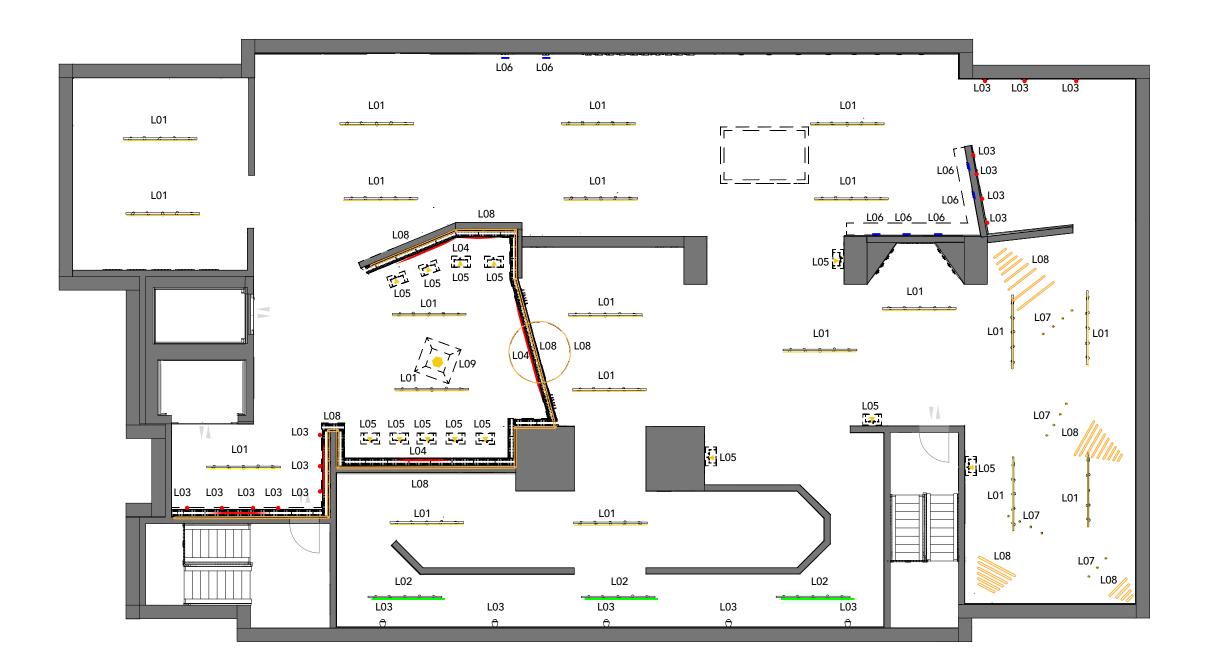


WD01 + WD05



AL04

FLOOR 0'-1/2" AFF







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Date

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Drawing Name

Reflected Ceiling Plan

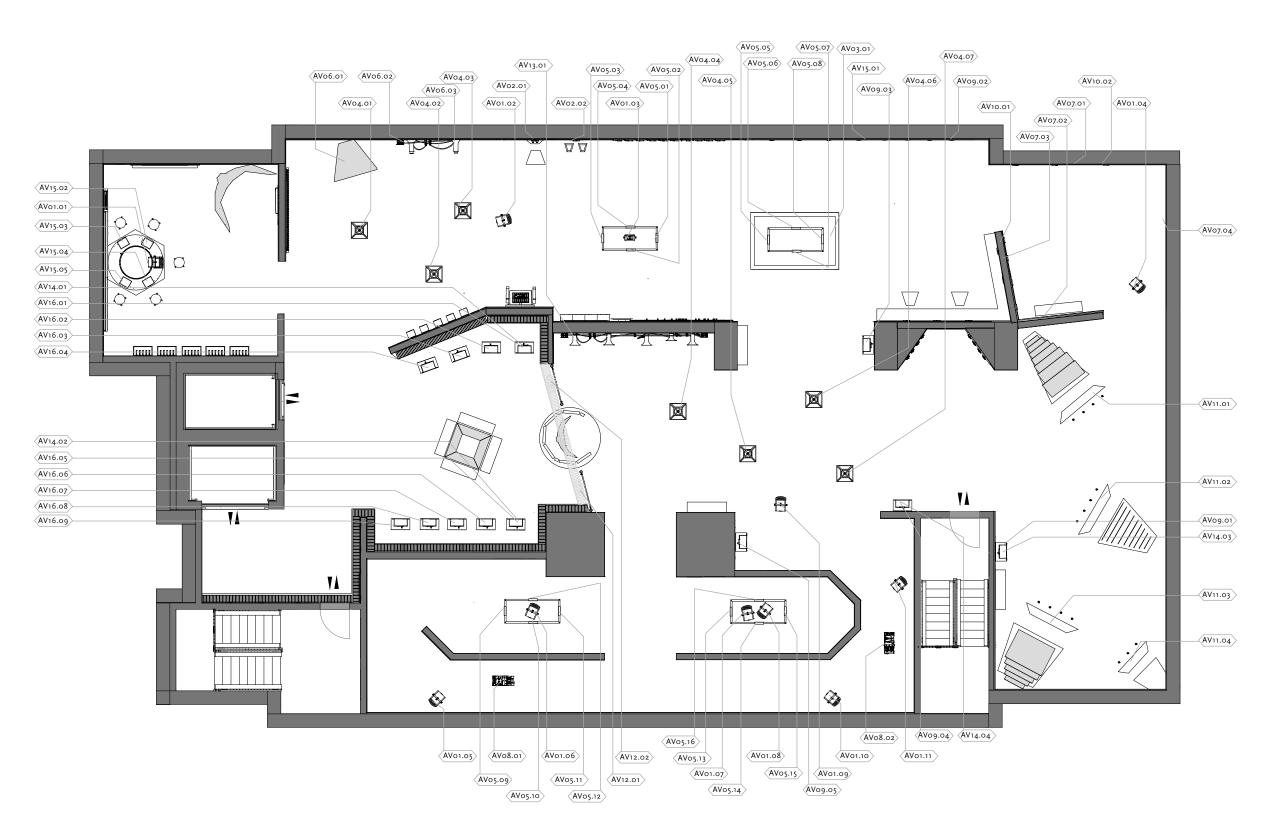
Drawing Number

EX.03.07

Scale

3/32" = 1' - 0"

Key Plan





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Date

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Drawing Name

Media Plan

Drawing Number

EX.03.08

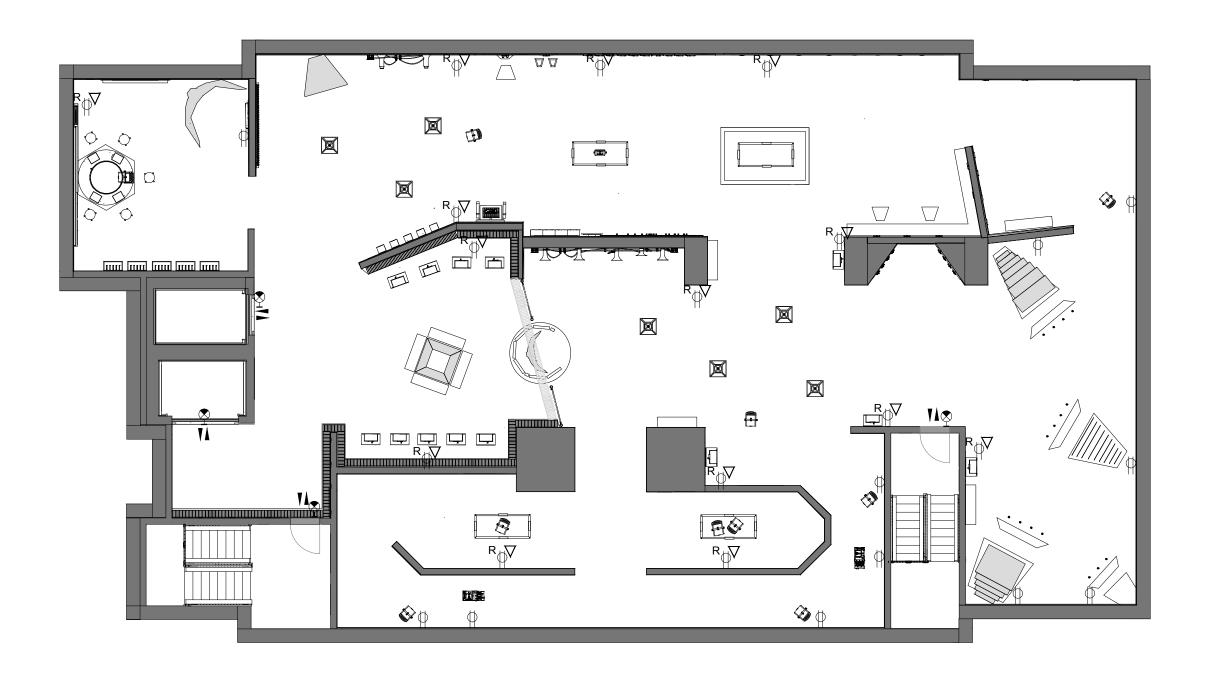
Scale

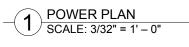
3/32" = 1'- 0"

Key Plan

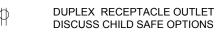












 \triangle





RECESSED COMBINED DUPLEX POWER & DATA RECEPTACLE OUTLET



EXIT SIGN



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Date

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Drawing Name

Power Plan

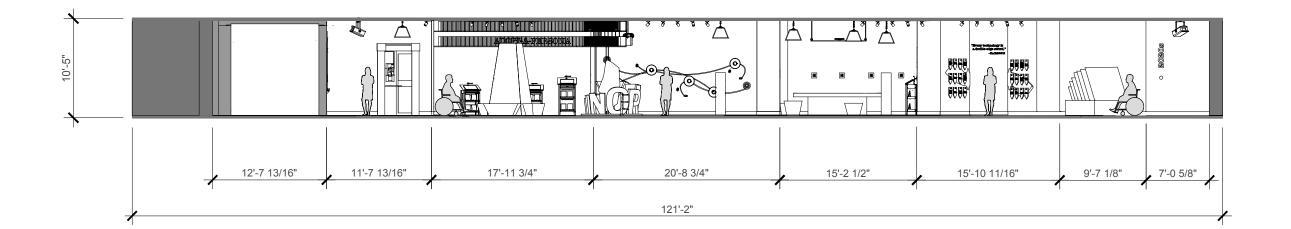
Drawing Number

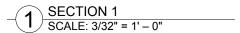
EX.03.09

Scale

3/32" = 1' - 0"

Key Plan







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Date

December 8, 2023

Drawing Name

Section 1

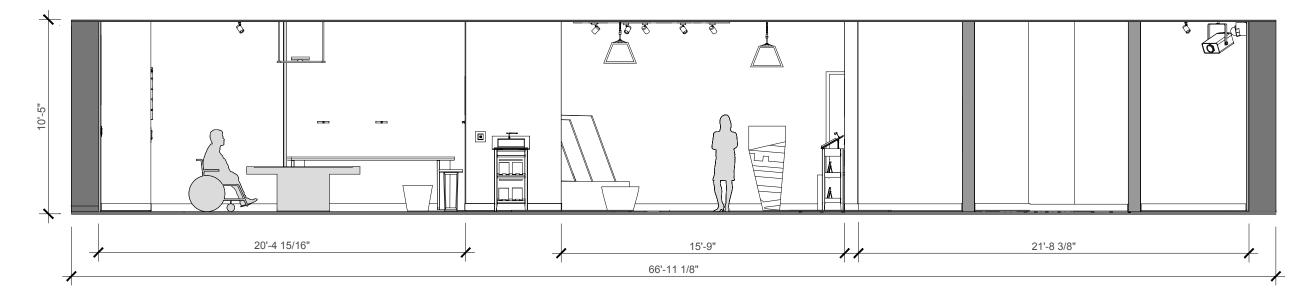
Drawing Number

EX.03.10

Scale

3/32" = 1' - 0"

Key Plan





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Date

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Drawing Name

Section 2

Drawing Number

EX.03.11

Scale

3/16" = 1'- o"

Key Plan

GRAPHIC SYSTEMS

MOOD BOARD

JEHLN3



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Date

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Drawing Name

Mood board

Drawing Number

EX.04.01

Scale

NTS

Key Plan













Inspiration from Alexandre Rodtchenko, Barbara Kruger and Jenny Holzer



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Date

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Drawing Name

Graphic Look and Feel

Drawing Number

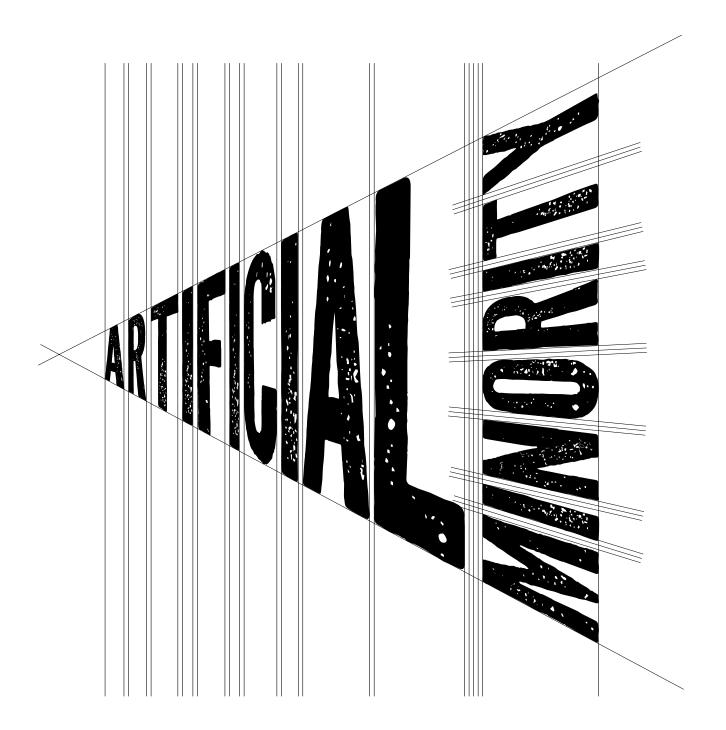
EX.04.02

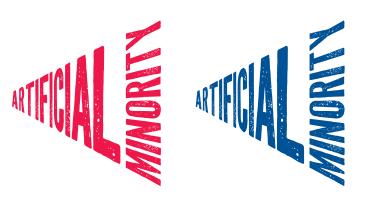
Scale

NTS

Key Plan

LOGO LOCKUP AND TYPE





PF FUEL GRIME **ABCDEFGHIJKLMNOPQRSTUVWXYZ**

Typeka Bold ABCDEFGHIJKLMNOPQRSTUVWXYZ

P22 Typewriter Regular ABCDEFGHIJKLMNOPQRSTUVWXYZ



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Date

December 8, 2023

Drawing Name

Logo Lockup and Type

Drawing Number

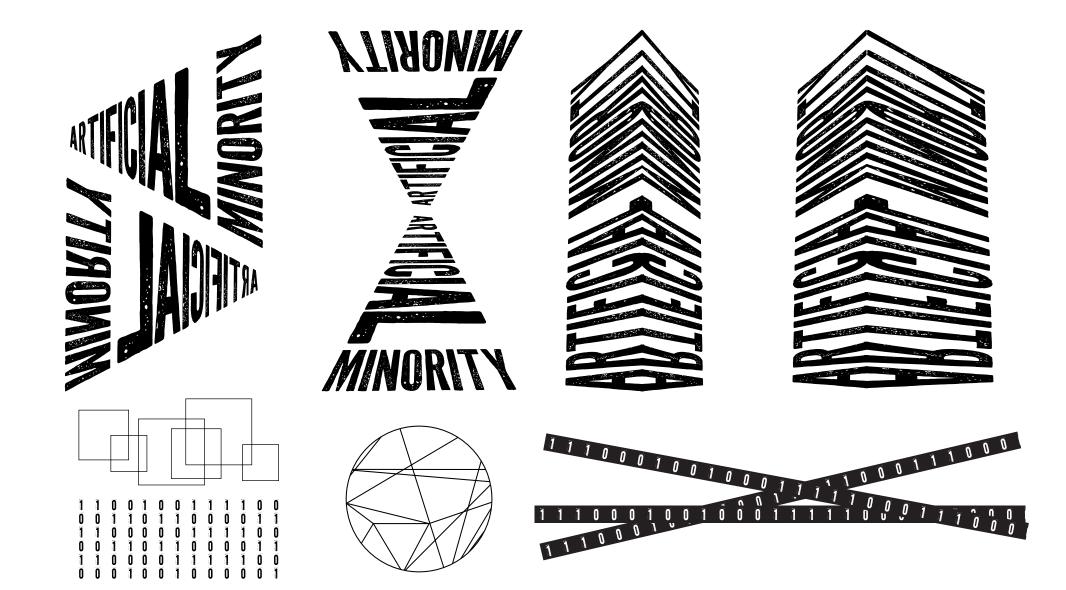
EX.04.03

Scale

NTS

Key Plan

PATTERNS





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Date

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Drawing Name

Patterns

Drawing Number

EX.04.04

Scale

NTS

Key Plan

C C C



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Date

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Drawing Name

Color Palette

Drawing Number

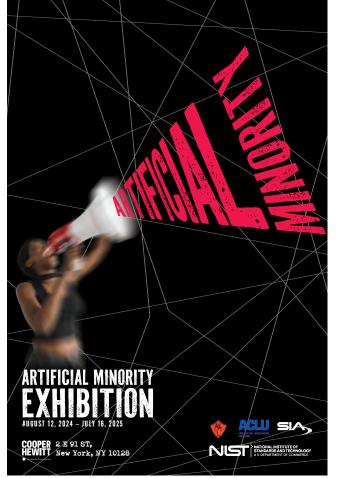
EX.04.05

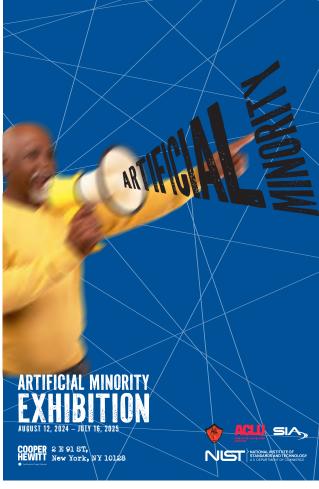
Scale

NTS

Key Plan

POSTER VARIATIONS















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Date

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Drawing Name

Poster Variations

Drawing Number

EX.04.06

Scale

NTS

Key Plan







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Date

December 8, 2023

Drawing Name

Posters Mockup

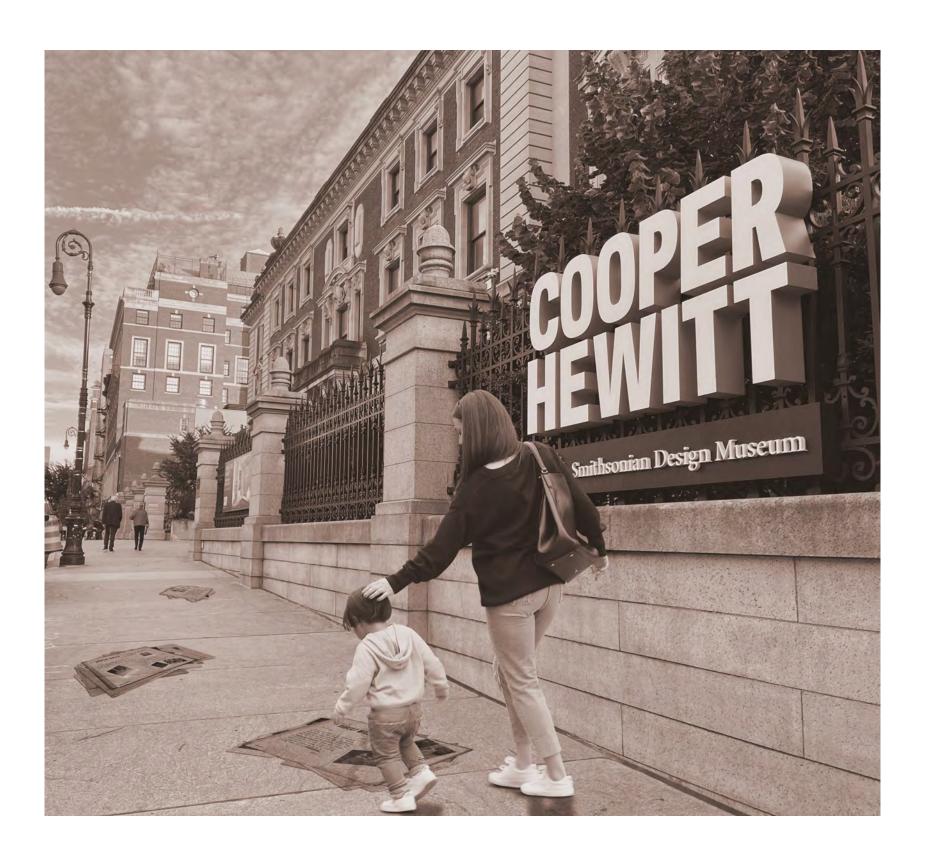
Drawing Number

EX.04.07

Scale

NTS

Key Plan





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Exhibition Designer

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Drawing Name

Exterior Wayfinding 1

Drawing Number

EX.04.08

Scale

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Date

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Drawing Name

Exterior Wayfinding 2

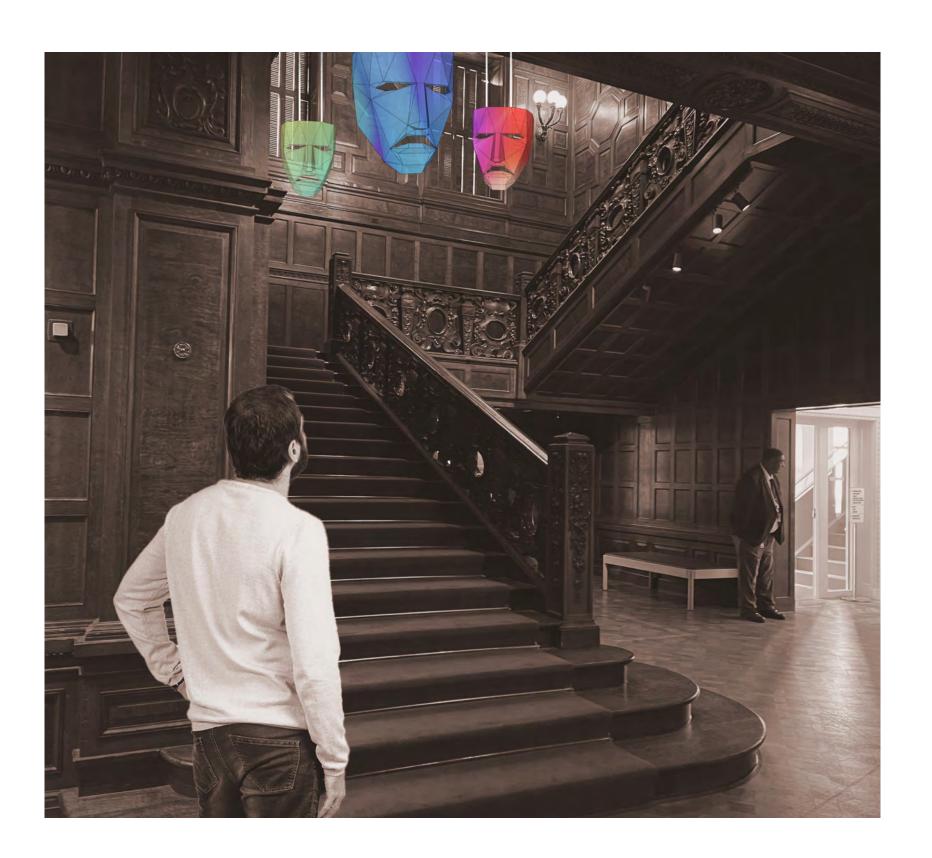
Drawing Number

EX.04.09

Scale

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Date

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Drawing Name

Interior Wayfinding

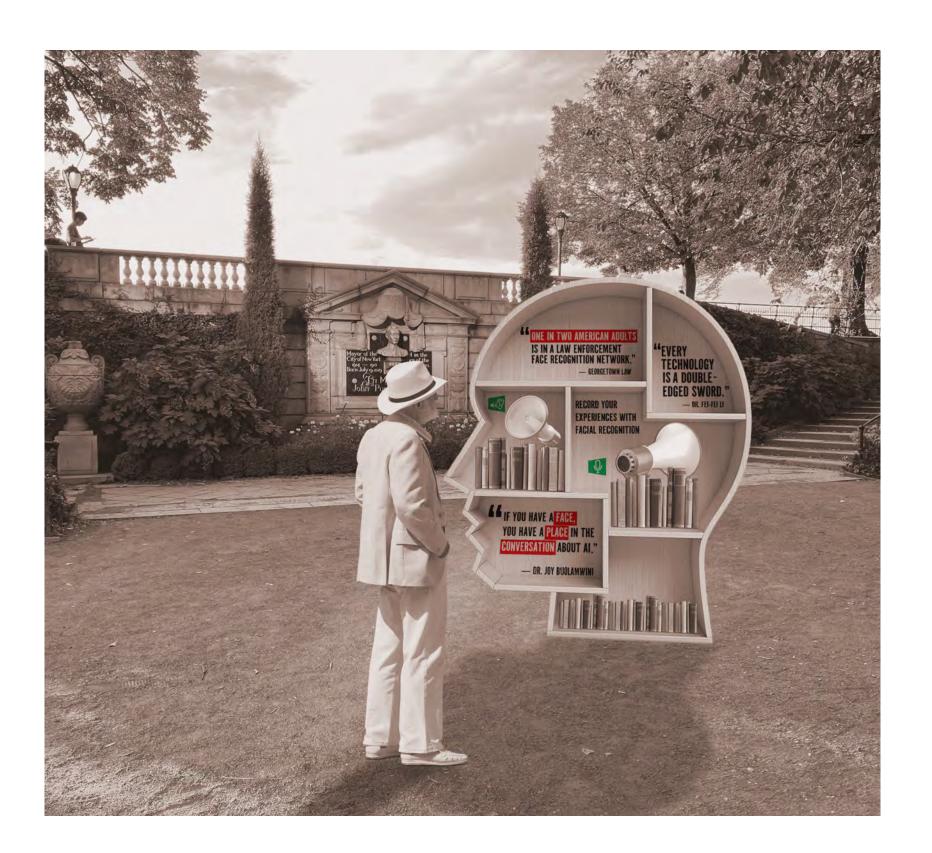
Drawing Number

EX.04.10

Scale

NTS

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Drawing Name

Wayfinding at Central Park

Drawing Number

EX.04.11

Scale

NTS

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COLLATERAL 1





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Date

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Drawing Name

Collateral 1

Drawing Number

EX.04.12

Scale

NTS

Key Plan

COLLATERAL 2



It all starts with an idea.

Learn how to work with an ethical AI workflow by asking critical questions.

Spin the wheel. If it landed on 1, then answer questions about your data input. Is there bias already in the dataset? Has informed consent been gathered for this data? What is the process to clean up the data?



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Drawing Name

Collateral 2

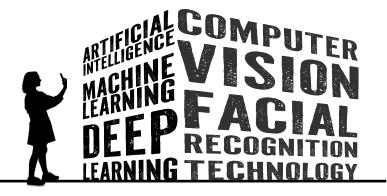
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EX.04.13

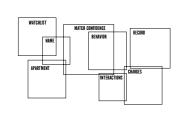
Scale

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SUPERMARKET SCHOOLS STREET SURVEILLANGE







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Drawing Name

NTS

Not Applicable



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Graphic Family

Drawing Number

EX.04.14

Scale

Key Plan



Connect the cable to the cable to the outlet to listen to interviews about people whose lives were positively and negatively impacted by facial recognition technology.































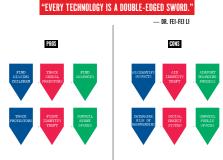


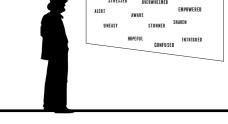
























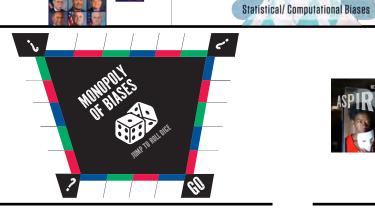




















9'-4 15/16"

03A.01.GR013 DISTORTED TYPE ELEVATION
SCALE: 1/2" = 1' – 0"

03A.01.GR013 DISTORTED TYPE SIDE SCALE: 1/2" = 1' – 0"

GRAPHIC TYPE E



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Date

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Drawing Name

DISTORTED TYPE

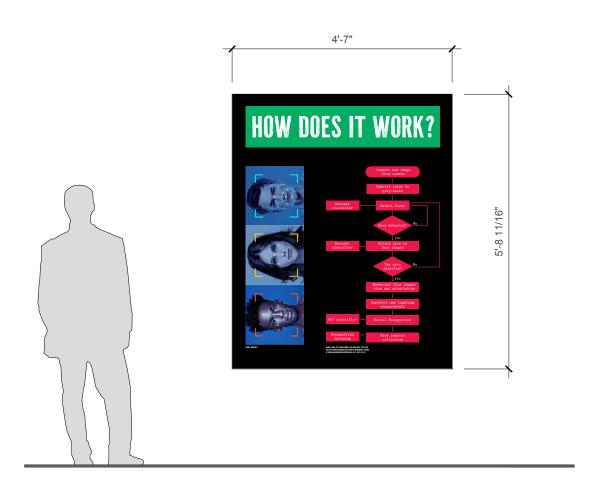
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EX.05.01

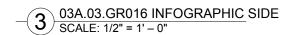
Scale

1/2" = 1' - 0"

Key Plan



03A.03.GR016 INFOGRAPHIC ELEVATION SCALE: 1/2" = 1' – 0"



GRAPHIC TYPE D



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Date

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Drawing Name

INFOGRAPHIC

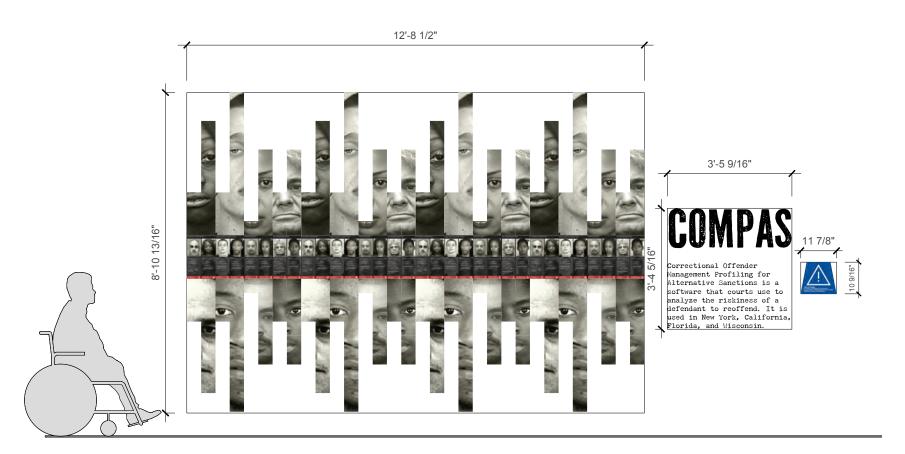
Drawing Number

EX.05.02

Scale

1/2" = 1' - 0"

Key Plan



06A.01.0R040 CC.
SCALE: 3/8" = 1' - 0" 06A.01.GR045 COMPAS ELEVATION 06A.01.GR045 COMPAS SIDE SCALE: 3/8" = 1' - 0"

GRAPHIC TYPE D



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Date

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Drawing Name

C.O.M.P.A.S.

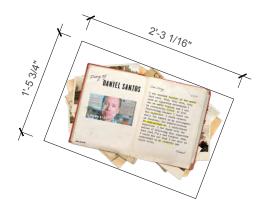
Drawing Number

EX.05.03

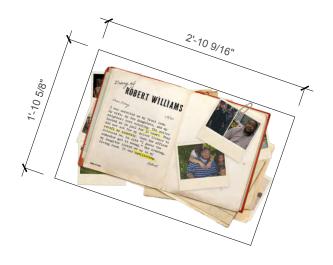
Scale

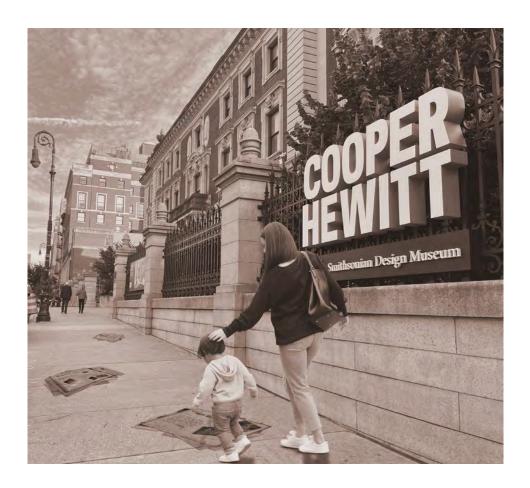
3/8" = 1' - 0"

Key Plan Not Applicable











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Drawing Name

FLOOR GRAPHIC

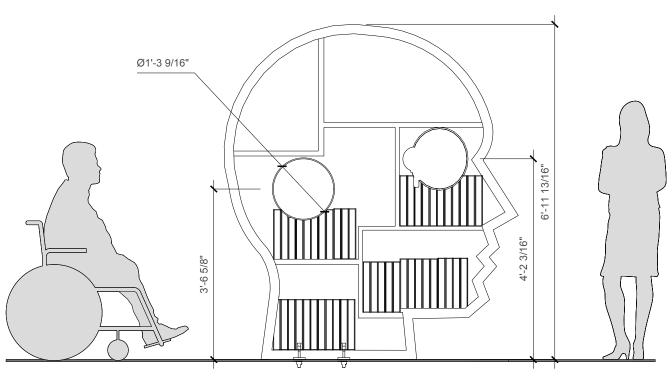
Drawing Number

EX.05.04

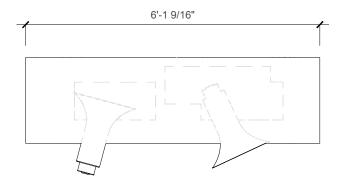
Scale

3/4" = 1'- 0"

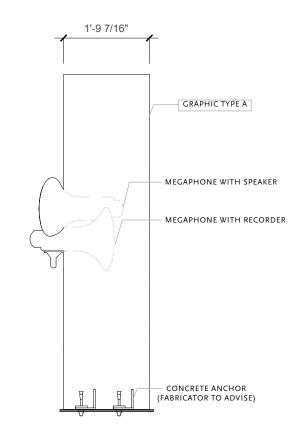
Key Plan



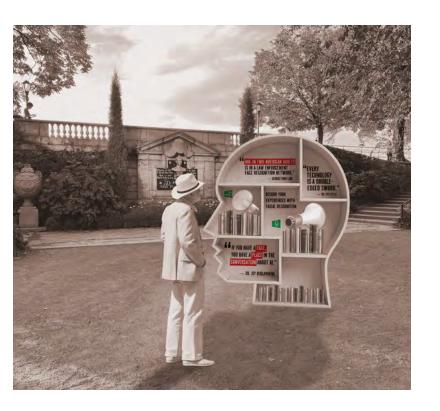
01A.01.GR001 BOOKCASE ELEVATION SCALE: 1/2" = 1' – 0"



01A.01.GR001 BOOKCASE TOP SCALE: 1/2" = 1' – 0"



01A.01.GR001 BOOKCASE SIDE SCALE: 1/2" = 1' – 0"





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Date

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Drawing Name

BOOKCASE

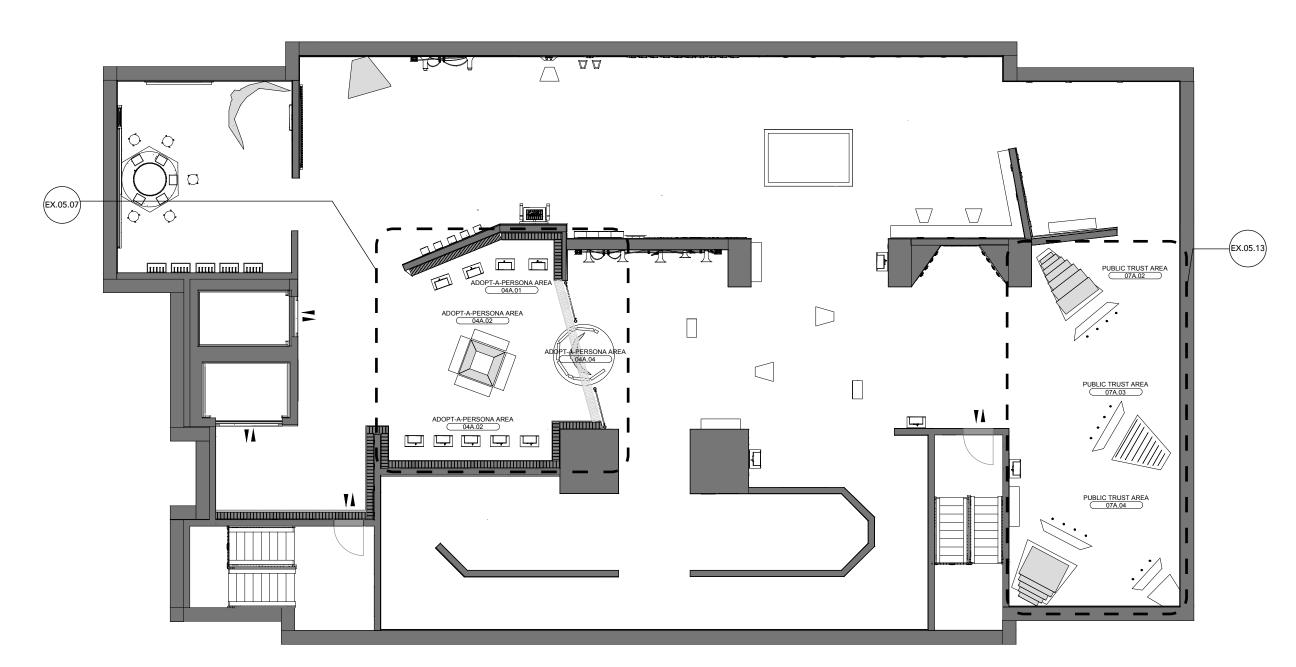
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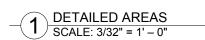
EX.05.05

Scale

1/2" = 1' - 0"

Key Plan







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Drawing Name

DETAILED AREAS

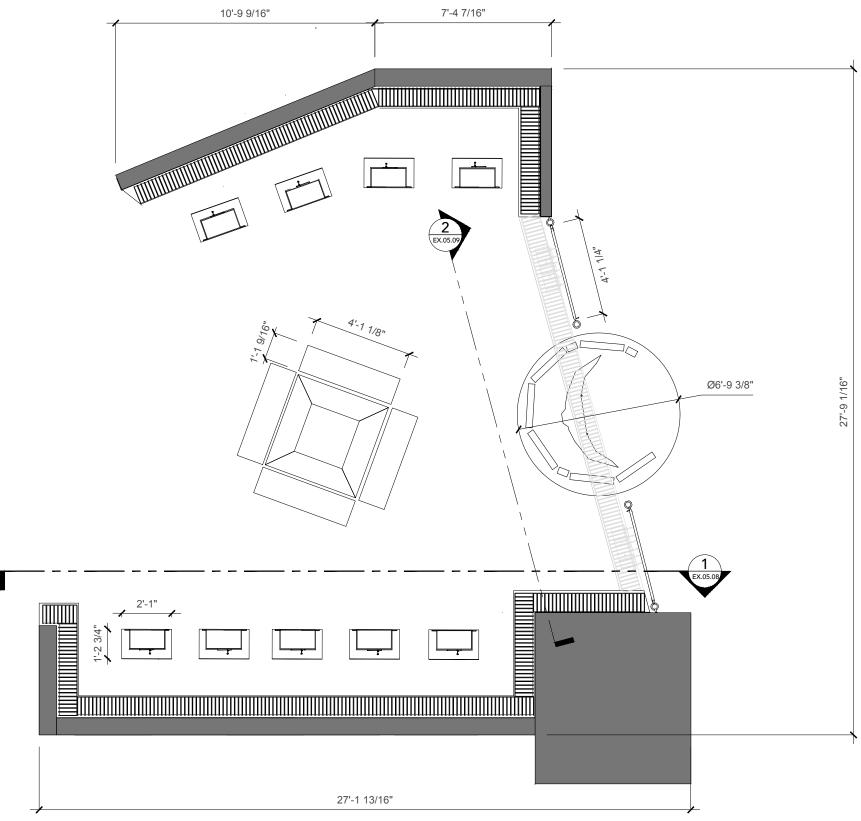
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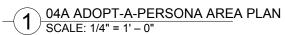
EX.05.06

Scale

3/32" = 1'-0"

Key Plan







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Drawing Name

ADOPT-A-PERSONA

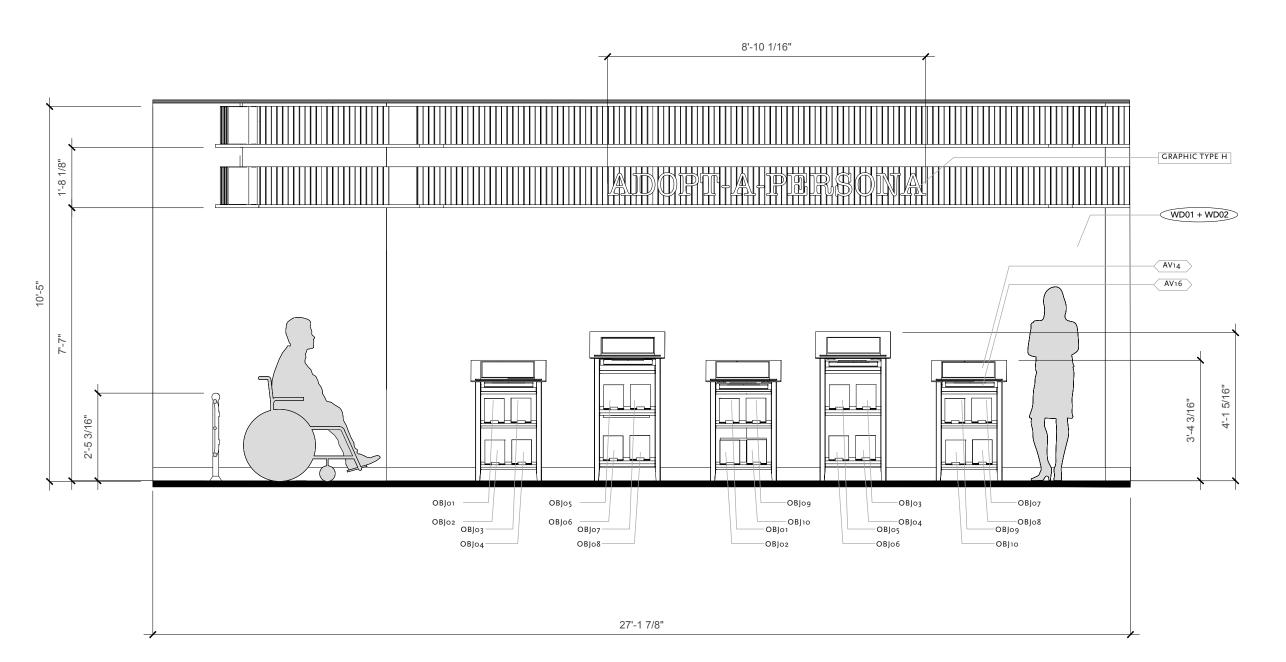
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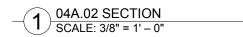
EX.05.07

Scale

1/4" = 1'- 0"

Key Plan







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Drawing Name

ADOPT-A-PERSONA SECTION 1

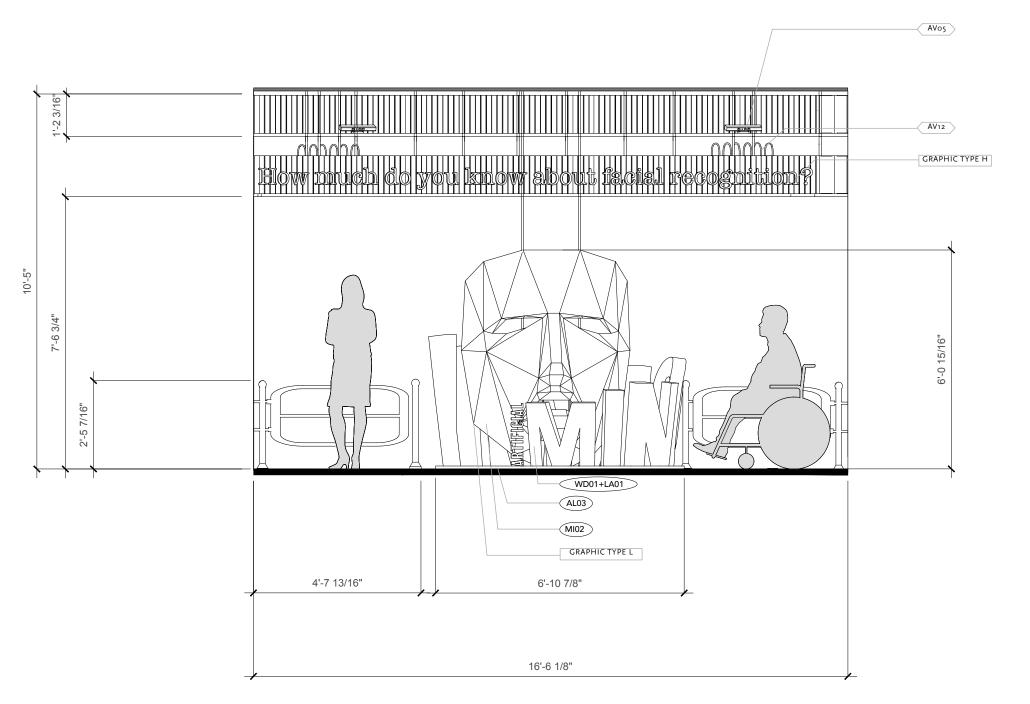
Drawing Number

EX.05.08

Scale

3/8" = 1'-0"

Key Plan



04A.04 SECTION SCALE: 3/8" = 1' – 0"



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Drawing Name

ADOPT-A-PERSONA SECTION 2

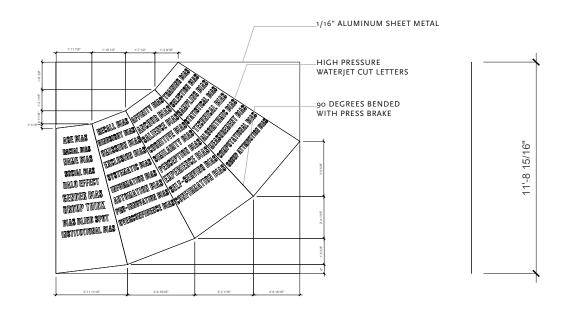
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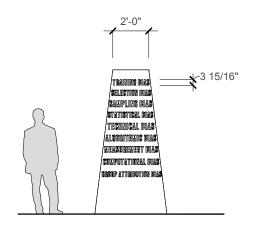
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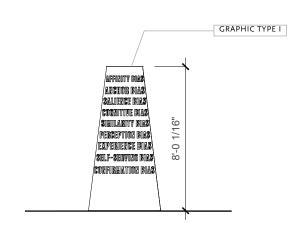
Scale

3/8" = 1' - 0"

Key Plan







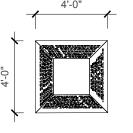
04A.02.GR020 SHEET METAL FRONT SCALE: 3/16" = 1' – 0"

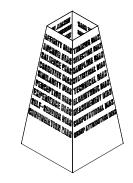
04A.02.GR020 SHEET METAL SIDE SCALE: 3/16" = 1' - 0"

04A.02.GR020 BIASES FRONT SCALE: 3/16" = 1' - 0"

04A.02.GR020 BIASES SIDE SCALE: 3/16" = 1' – 0"







04A.02.GR020 SHEET METAL TOP SCALE: 3/16" = 1' - 0"

04A.02.GR020 BIASES TOP SCALE: 3/16" = 1' - 0"

04A.02.GR020 BIASES ISO SCALE: 3/16" = 1' - 0"



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Date

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Drawing Name

BIAS SCULPTURE

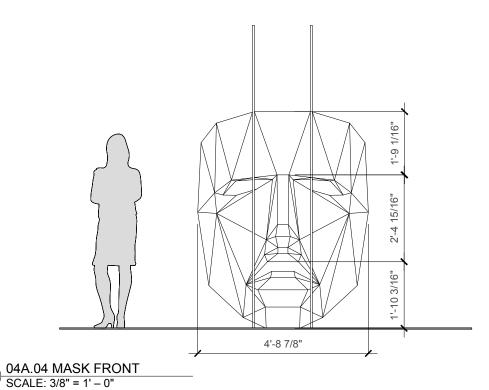
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EX.05.10

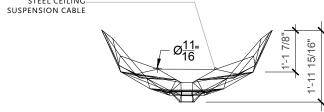
Scale

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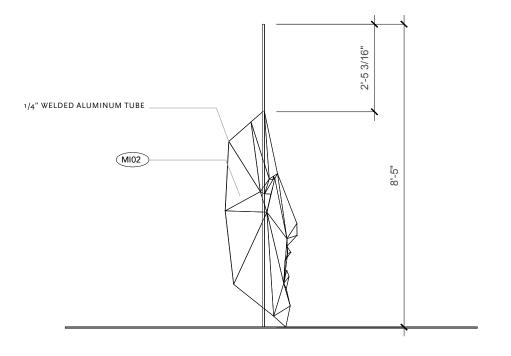
Key Plan



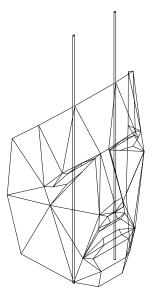




04A.04 MASK TOP SCALE: 3/8" = 1' - 0"



04A.04 MASK SIDE SCALE: 3/8" = 1' - 0"



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Date

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Drawing Name

MASK

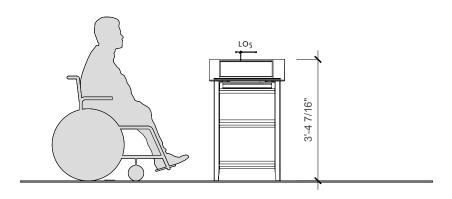
Drawing Number

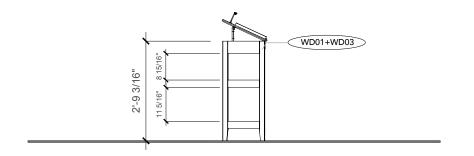
EX.05.11

Scale

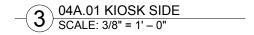
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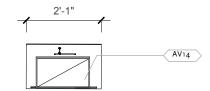
Key Plan

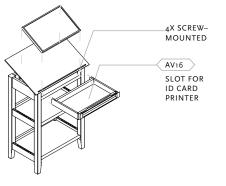


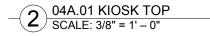


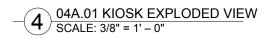
04A.01 KIOSK FRONT SCALE: 3/8" = 1' – 0"













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Date

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Drawing Name

KIOSK

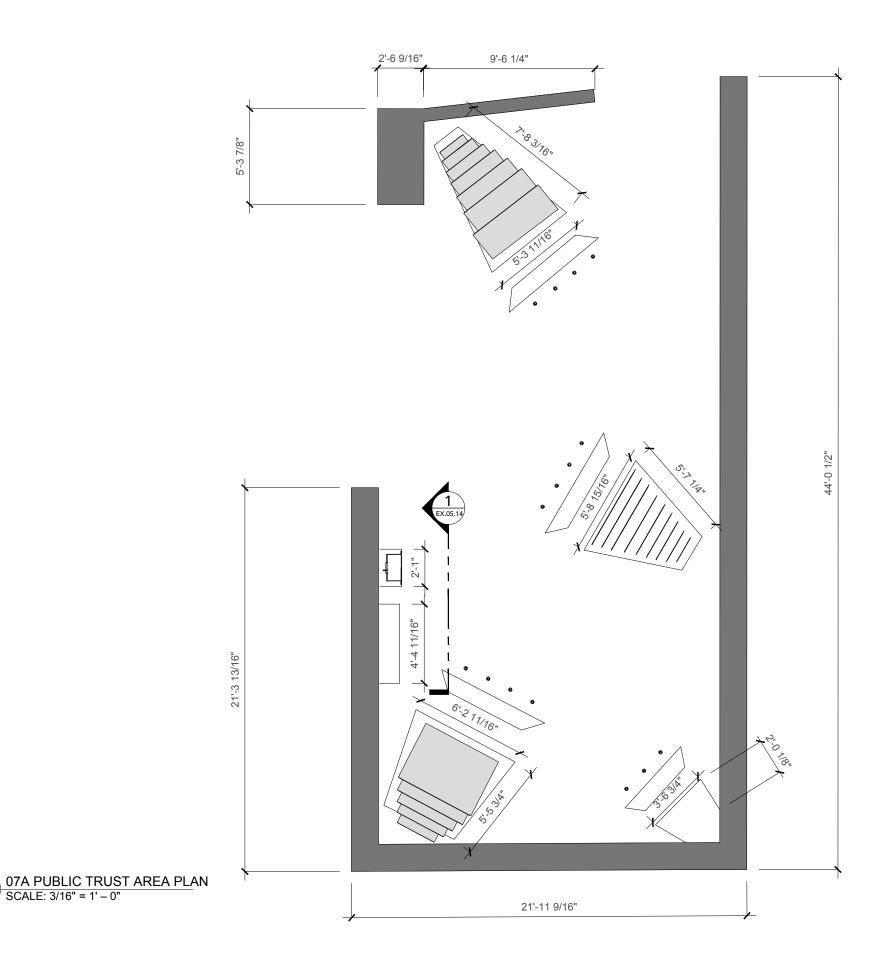
Drawing Number

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Scale

3/8" = 1' - 0"

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Drawing Name

PUBLIC TRUST DETAIL

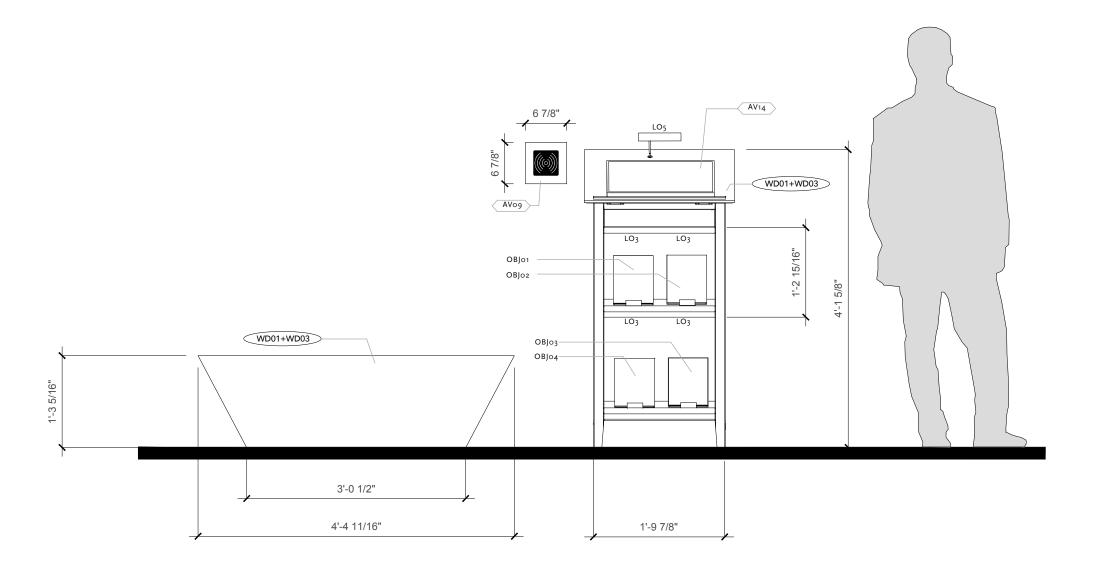
Drawing Number

EX.05.13

Scale

3/16" = 1'- 0"

Key Plan



07A.04 SECTION SCALE: 3/4" = 1' - 0"



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Date

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Drawing Name

PUBLIC TRUST SECTION 1

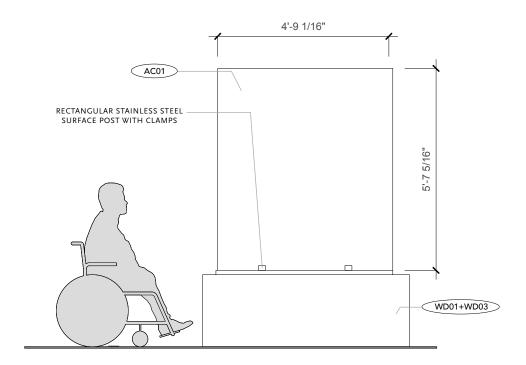
Drawing Number

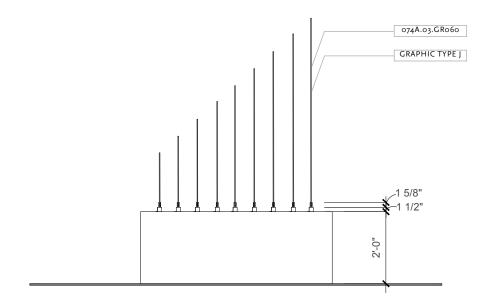
EX.05.14

Scale

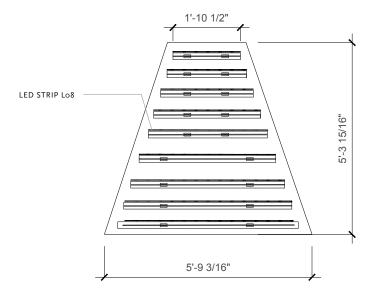
3/4" = 1'- 0"

Key Plan





07A.03 BACKLIT GRAPHIC PANELS FRONT SCALE: 3/8" = 1' – 0"



07A.03 BACKLIT GRAPHIC PANELS TOP SCALE: 3/8" = 1' – 0"

07A.03 BACKLIT GRAPHIC PANELS SIDE SCALE: 3/8" = 1' – 0"



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Date

December 8, 2023

Drawing Name

LARGE PANELS

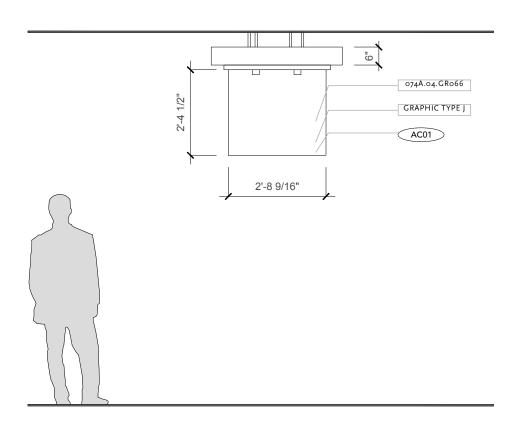
Drawing Number

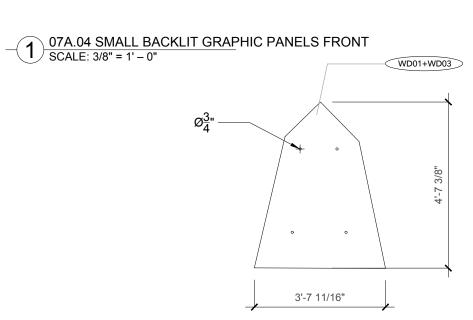
EX.05.15

Scale

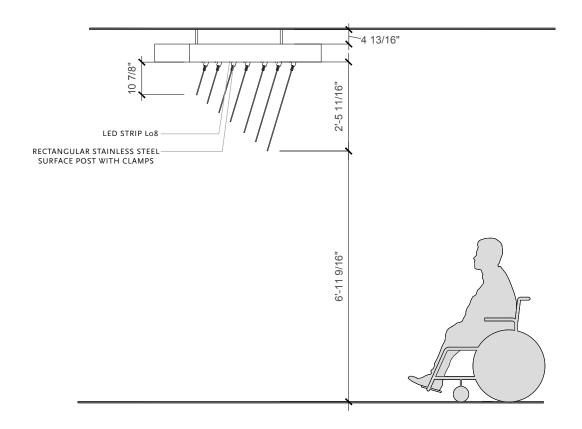
3/8" = 1' - 0"

Key Plan





07A.04 SMALL BACKLIT GRAPHIC PANELS TOP SCALE: 3/8" = 1' - 0"



07A.04 SMALL BACKLIT GRAPHIC PANELS SIDE SCALE: 3/8" = 1' - 0"



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Exhibition Designer

Emily Tse

Project

Artificial Minority



Smithsonian Cooper Hewitt Museum

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Date

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Drawing Name

SMALL PANELS

Drawing Number

EX.05.16

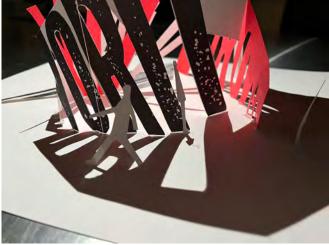
Scale

3/8" = 1' - 0"

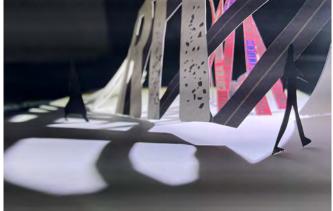
Key Plan

3D LOGO TRANSFORMATION











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Date

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Drawing Name

3D Logo Transformation

Drawing Number

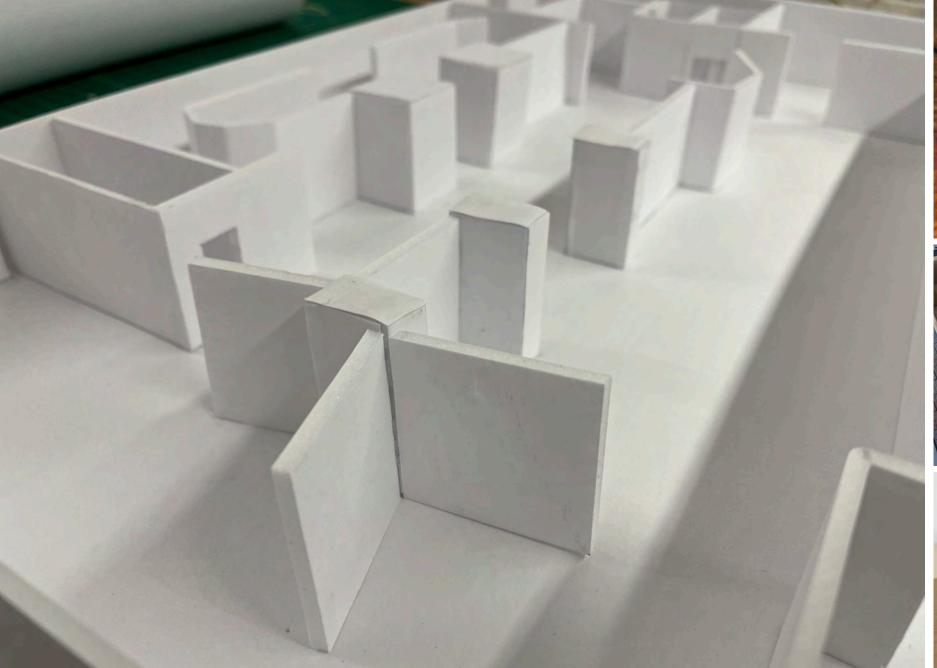
EX.06.01

Scale

NTS

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MODEL MAKING











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Date

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Drawing Name

Model Making

Drawing Number

EX.06.02

Scale

NTS

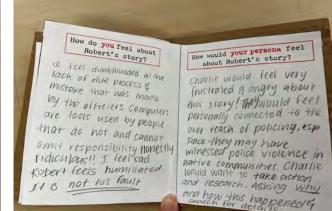
Key Plan

PROTOTYPE TESTING











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Date

December 8, 2023

Drawing Name

Prototype Testing

Drawing Number

EX.06.03

Scale

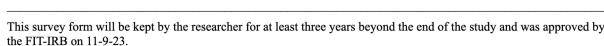
NTS

Key Plan

SURVEY AND SITE VISIT

This survey is for a thesis project about artificial intelligence. Your responses will be anonymous and confidential. Your short responses may be anonymously cited in the research material. Participation and continuation in the project is entirely voluntary. You may skip any questions that may make you feel uncomfortable. Thank you for your time.

										of New York
	optional)									
	er (option									
Ethnic	city (opti	onal) _			-					
Please	answer	the foll	owing a	uestions	on a sc	ale of 1	(least) -	- 10 (mo	st).	
	v often de							-		
1	2	3	4	5	6	7	8	9	10	
_	_		-			•				
2.How	much do	you su	pport fac	cial reco	gnition u	isage in	law enfo	orcement	•	
		•			_	_			of reoffending?	
1	2	3	4	5	6	7	8	9	10	
3. Hov	v much d	o you si	upport fa	cial reco	gnition	usage in	educati	on,		
i.e.,	preventi	ng scho	ol shooti	ngs and	detecting	g studen	ts' emot	ional sta	tes in classrooms	?
1	2	3	4	5	6	7	8	9	10	
	v much d	-			_	_				
	-	_				-	_		ehaviors?	
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6 Hov	v much d	o vou si	unnort fa	cial reco	onition	usage in	cornora	itions		
	employe	-			_	_	COIPOIC	ttions,		
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•	_		•		Ü	,	Ü		10	
7. Hov	v much d	o you si	upport fa	cial reco	gnition	usage in	retail,			
	theft pre	-			_	_		rience?		
1	2	3	4	5	6	7	8	9	10	
8. Wh	at do yo	u think	about <u>f</u> a	cial rec	ognition	? (optic	onal)			
9. Wh	at <u>positi</u>	<u>ve</u> expe	rience(s)	did you	ı ever h	ave with	i facial	recognit	ion? (optional)	
10 W	hat nega	tive ext	perience	(s) did v	ou ever	have wi	ith facia	l recogn	ition? (optional)
10. 11	<u>11024</u>	<u></u> СА		(s) uiu y	ou crei	114 TV	iii iacia	ii reeugn	inon. (optional	,
This si	urvey for	m will ł	ne kent h	v the res	earcher	for at lea	ast three	vears be	evond the end of	the study and was approved by









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Date

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Drawing Name

Survey and Site Visit

Drawing Number

EX.06.04

Scale

NTS

Key Plan

THANK YOU

100% DESIGN DEVELOPMENT PACKAGE

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Exhibition and Experience Design
December 8, 2023
Emily Tse