APPLES TO APPLES
CREATING EMPATHY FOR COLOR BLINDNESS THROUGH SHARED EXPERIENCES

WAN TING LIN
100% DESIGN DEVELOPMENT PACKAGE
MA EXHIBITION & EXPERIENCE DESIGN
SUNY FASHION INSTITUTE OF TECHNOLOGY
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**SYMBOLS LIST**

**PROJECT**

**CLIENT**

**KEY PLAN**

**DESCRIPTION**

**DRAWN BY** Wan Ting Lin

**SCALE** N.T.S

**DATE** 12.08.2023

**DRAWING NO.** EX.0.01
EX.100  EXECUTIVE SUMMARY
INTRO

Why do colorblind people have to purchase expensive glasses in order to function in the world when designers could make very minor changes that make a huge difference for a whole lot of people?

In design, both in the digital and physical worlds, color should never be the sole indicator of meaning. A simple test: if your work was converted to grayscale, would it still be usable?

- Andy Balo (Deuteranopia)
THESIS STATEMENT

Inclusivity considerations play a significant role in current principles for the design industry, and designers try to consider how to create spaces where all feel welcomed.

Color is an important element in conveying information in spatial design, however, it is hard for people with color blindness to distinguish colors because most systems are designed for people who can discriminate color normally.

By understanding color blind perspectives, the designers can take advantage of diverse materials, mediums and lighting to create more inclusive, educational, and empathy-thoughtful exhibitions.
BIG IDEA
Shades of Empathy is an interactive, experiential exhibition that aims to use a variety of materials, mediums, and lighting effects to bring the audience into the world of color blindness. It also stimulates the audience’s curiosity about color blindness through diverse senses thereby creating a shared empathy.

VISION
We expect that it raises the public’s social awareness of color blindness. Also, we encourage more designers to take more consideration of people with color blindness when they are working on designing.

SUBJECT
Uncovering the little known challenges and differences in the daily life of someone with color blindness.
CLIENT

Enchroma

MISSION
To make a meaningful contribution to the human experience through boundary-breaking color vision science and technologies to create more inclusive, educational, and empathy-thoughtful exhibitions.

VALUES
It continues to lead in advocating for “color accessibility” through its EnChroma Color Accessibility Program, in which over 150 organizations participate, such as international color blindness awareness month. They bring out kind of an idea is that more awareness will result in fewer daily frustrations for color blind people and more accessibility.

Powerhouse Arts

MISSION
Powerhouse envisions a society in which creative expression is celebrated and supported as central to personal and civic development.

VALUES
It is committed to creative expression. They are imagining new realities for their communities and connecting with contemporary artists. Also, as a creative hive, they are working on thriving in an environment where people feel inspired and take social justice as a practice.

Exploratorium

MISSION
To create inquiry-based experiences that transform learning worldwide. Through Global Collaborations, we share our deep knowledge of exhibit making, program creation, and professional development with partner organizations around the world, shaping and tailoring our approach and expertise to the needs and goals of your community.

VISION
Our vision is a world where people think for themselves and can confidently ask questions, question answers, and understand the world around them. We value lifelong learning, curiosity, and inclusion.
Powerhouse is a mission-aligned hub of artists and fabricators who make art and learn from each other. As they open to the surrounding neighborhoods, and to New York City more broadly, they engage the imaginations of their neighbors and colleagues in planning how Powerhouse can support their creative lives and the vitality of their neighborhoods.

VENUE

THE GRAND HALL  22500 SQ.FT

ADDRESS: 1111 8th Ave, Brooklyn, NY 11215
AUDIENCE

The primary audience is experience seekers.
The secondary audience is family and friends of those who are color-blind.
The tertiary audience is professional hobbyists.

GOALS

PROJECT GOALS

◊ Spark the empathy for people who are color blind.
◊ Enhance the awareness of color blindness and creating more inclusive environments in the industry.
◊ Support Clients’ mission and advocate powerhouse to attract more potential audience to join this community.

EXPERIENCE GOALS

◊ Use multiple senses to guide people to see the world through color-blind perspectives.
◊ Use diverse mediums and light to challenge visual perception and consciousness of the audience.
◊ Provide a platform for the audience to exchange their feedback.

EDUCATION GOALS

◊ Learn about the daily lives of people with color deficiency.
◊ Learn about the color differences between color-blind and typical-vision people.
◊ Learn about how to distinguish if you might be color blindness.
◊ Learn which colors are friendly for color blindness.
How the world looks with color deficiency.

How materials and lighting influence the way color blind people perceive the world.

How to empathize with different perspectives.

CONCEPT DIAGRAM

The experience allows the audience to have great fun and to discover:

- How the world looks with color deficiency.
- How materials and lighting influence the way color blind people perceive the world.
- How to empathize with different perspectives.

WHAT IS COLOR BLINDNESS?
Introduce the fundamental knowledge of color blindness.

WHAT DO YOU SEE?
Challenge people’s vision.

COLOR BLINDNESS FITS INTO DAILY LIFE
Learn about daily life with color blindness.

MYTHS AND FACTS
Using video to present the interviews of color blindness.

WHAT IS TYPICAL?
Challenge people’s vision and dive into color blindness’s world (optical illusion, memory color).

BETWEEN US
The color difference between color blind people and typical vision people.

EVERYONE IS UNIQUE
Immersive area

TESTING
NARRATIVE

SEEING IN AMBIGUITY

We live in nothing in this world that is truly black and white. The world can be understood and anticipated in different ways. In other words, our points of view exist in the uncomfortable gap between ‘what is’ and ‘what could be’, which motivates people to explore this grey area.

Embracing ambiguity, we can permit “both/and” understanding instead of thinking exclusively. It gives us new opportunities to engage our world with complex and straightforward states of mind.

This exhibition will focus on color-blindness issues, applying diverse materials, mediums and lighting to create more inclusive, educational, and thoughtful impacts for our society.
Role-playing is a comprehensive, creative and interactive methods that allow the audience to view the world from a color-blind people through the exchange of roles.

- Protanopia (Red color vision deficiency)
- Deuteranopia (Green color vision deficiency)
- Tritanopia (Blue-yellow color vision deficiency)
- Achromatopsia (Complete color vision deficiency)

Typical vision people

People don't find out they are color blindness
INTERPRETIVE APPROACH

- **Specific Difference**
  - Comparison between typical vision and color-blind people

- **Color Perception**
  - The audience will experience various scenarios to put themselves in color-blind people's shoes

- **Optical Challenges**
  - Solved by Empathy
  - Provide a platform for the audience to share their feelings

- **Lead to Ambiguity**
  - Materials & Lighting
# CONTENT OUTLINE

## 1 WHAT IS COLOR BLINDNESS?
- How many people are color blindness?
- What is color blindness?
- How common is color blindness?
- Symptoms
- The treatments
- The types of color blindness

## 2 WHAT DO YOU SEE?
Viewers will see a room filled with fog, yellow, and white lights. Also, the exhibit presents a question — what color of light do you see?

## 3 BETWEEN US
This area will use several graphics to show the difference between what you see and what colorblind people see.

## 4 COLOR BLINDNESS FITS INTO DAILY LIFE
This area displays various scenes in daily life, using first-person narrations and multiple objects to give viewers insight into the everyday life of people with color blindness.

## 5 MYSTHS AND FACTS
Play the video to present the interview process of color-blind people, and use a first-person narrative to show the public their views on being color-blind.

## 6 WHAT IS TYPICALITY?
Using different materials, media and lighting to experience different types of color-blind worlds. Additionally, people with typical vision will have the opportunity to discover if they have color blindness.

## 7 EVERYONE IS UNIQUE
It displays various sizes, colors, and textures of apples in this room, and the lighting will change with timers.

## 8 TESTING
Viewers can use the app to take an online test to check if they have color blindness.
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Everyone is unique

1,222 ft²

Myths and Facts

165 ft²

What is typicality?

4,142 ft²

What do you see?

251 ft²

What is color blindness?

498 ft²

BETWEEN US

175 ft²

Color blindness fits into daily life

1,275 ft²

FLOOR PLAN

SCALE: 1/16"=1'-0"

DRAWN BY Wan Ting Lin

SCALE 1/16"=1'-0"

DATE 12.08.2023

DRAWING NO. EX.1.12
These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions stated here or any variations prior to performing work.

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Mounting details to be reviewed and modify based on recommendation from fabricator.

**SPACE CIRCULATION**

**SCALE:** 1/16" = 1'-0"

**DRAWN BY:** Wan Ting Lin

**DATE:** 12.08.2023

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- Before entering the room, people will see a simple introduction about this exhibition.

- Admission is open every one hour, with 60 people admitted each time.

- The color-blind people receive the glasses of color blindness.
- Using fabric to display the content and circle flow gives people a welcoming atmosphere in this area. The room tone is white, clear, and straightforward.

- The visitors read the content to get a basic knowledge of color blindness.

- The visitors are able to learn about the causes, types, and symptoms of color blindness, and so on.
- People will see fog fills the room. Also, using the yellow and white lights to challenge people’s vision.

- The question will be projected on the floor: what color of light do you see in the room? Motivating people to think about the answer.

- People might answer the blue light. However, there is no blue light in the room. The truth is that the blue light comes from your eyes, compensating for the yellow you have just been in. It lets the audience understand whether they are color-blind or not; there are differences in color vision among people.
The structure is composed of several images that show how people would see the same object with and without color blindness.

People can rotate the frames.

Visitors will be able to understand the visual color differences between typical vision and color blindness by witnessing a change in colors of various objects.
This area divides the space into diverse daily scenes.

Visitors meet colorblindness stories to build empathy in daily scene.

Viewers can record their suggestions.

Visitors learn what kinds of things are challenging for color-blind people every day.
• The videos show what challenges that people with color blindness face in their daily life.

• Visitors will activate different stories of color-blind people through the guidelines with props.
- The grocery scene presents the challenges that people with color blindness have trouble choosing specific items, such as fruit or daily necessity.

- Visitors follow the guide to understand how color-blind people deal with these challenges.

- Use the app to simulate what a colorblind person would see.
- This section plays the video that features self-narration from people with color blindness.

- Visitors will learn what color-blind people view and how they see things. For example, people with color blindness don’t prioritize color when seeing an object. They pay more attention to its shape or material.
07A WHAT IS TYPICALITY

This area will be divided into four themes to lead the audience into the world of color blindness. People will learn how to see things from the perspective of color blindness and experience their situations and difficulties.

1 WHERE IS THE ENTRANCE?

◊ Protanopia (Red color vision deficiency)

◊ Point out that color is not the only way to distinguish objects.

2 EMBRACING OUR DIFFERENCE

◊ All types of color blindness

◊ Improve people who are color blindness confidence for themselves.

◊ It teaches the audience to consider this in color choices when people are designing.

3 WHAT IS REALITY?

◊ Deuteranopia (Green color vision deficiency)

◊ Challenge people’s color recognition ability.

◊ Bring out the experience of color-blind people who are often troubled by the choice of colors.

4 GRAY ZONE

◊ Achromatopsia (Complete color vision deficiency)

◊ Perceive a completely color-blind world in shades of gray.

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The room will use green, red and brown lines to challenge the visitors.

The visitors need to find out where the entrances to go to next room are.

If the audience open the wrong door, they will see the world through the eyes of a color-blind person.

People who have typical vision will have an easy time finding the doors in the first room, but it may be confusing for people with color deficiency to distinguish the difference due to the choice of colors.

WHERE IS THE ENTRANCE
ROOM 1
Protanopia (Red color vision deficiency)

Typical Vision

Color-blind Vision

Color Change

• Red → Yellow
• Green → Orange
• Brown → Orange
WHERE IS THE ENTRANCE

ROOM2

Protanopia (Red color vision deficiency)

- Create a space with a red tone, and it would use purple lines to point out where the doors are.

- The visitors need to find vertical line doors with color changes.

- In this room, the use of color allows a color-blind person to find the doors better than a person with common vision.

Color Change

Typical Vision

Protanopia (Red color vision deficiency)

Color-blind Vision

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Design and concept: SHADES OF EMPATHY.

DRAWN BY: Wan Ting Lin

SCALE: 1/50

DATE: 12.08.2023

DRAWING NO.: EX126
WHERE IS THE ENTRANCE

ROOM3

Protanopia (Red color vision deficiency)

- The room uses the lighting to point out the door or gives patterns to mark the door obviously.

- People will realize that the room provides more signs, which makes the door easier to find. Color is not the only way for people to distinguish things.

**Color Change**

Protanopia

Typical Vision

- The room uses the lighting to point out the door or gives patterns to mark the door obviously.

- People will realize that the room provides more signs, which makes the door easier to find. Color is not the only way for people to distinguish things.

**Color Change**

Protanopia

Typical Vision

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**Color Change**

Protanopia

Typical Vision

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**Color Change**

Protanopia

Typical Vision

- The room uses the lighting to point out the door or gives patterns to mark the door obviously.

- People will realize that the room provides more signs, which makes the door easier to find. Color is not the only way for people to distinguish things.

**Color Change**

Protanopia

Typical Vision
EMBRACING OUR DIFFERENCE

All types of color blindness

- People will learn which colors are friendly to people with color blindness, and they can create a personal poster to see if its colors work for color blindness.

• People will learn which colors are friendly to people with color blindness, and they can create a personal poster to see if its colors work for color blindness.

STEP 1
Learn which colors are color-blind friendly.

STEP 2
The system provides a variety of posters for the public to choose from.

STEP 3
People can change everything about the poster, such as the colors or graphics. After completion, the work will be displayed on the screen, allowing you to see the differences according to different types of color blindness.

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EMBRACING OUR DIFFERENCE

All types of color blindness

- The left side of the digital screens shows what colors are more friendly for different types of color blindness, and the right side presents normal vision of color.
WHAT IS REALITY

Deuteranopia (Green color vision deficiency)

• This room will serve as a precursor to the next activity.

• This room will display various samples of different materials for the audience to observe the difference between blue and white light. However, they will realize that it is difficult for them to identify the correct colors.

• The guide will inform there is a sensor that can turn off the blue light.
WHAT IS REALITY

Deuteranopia (Green color vision deficiency)

- While people turn off the blue light, they can discover the differences that were disguised by it, such as textures and colors. Also, it allows the audience to reflect on what is authentic.

- The pictures inside the washing machine will rotate occasionally, attracting people's attention to explore some of the items placed in the washing machine. In addition, the three-way blue mirror will become an area for people to check-in on social media.
WHAT IS REALITY

Deuteranopia (Green color vision deficiency)

- The room uses the blue light to remove the original color of objects.
- People will get a green flashlight to find the yellow objects in the room.
- People with color blindness may have an easier time finding objects in this activity than those with typical vision. Meanwhile, the exhibit will change the objects' color, which challenges people's impressions of existing objects. In the process, it brings out the experience of color-blind people who are often troubled by the choice of colors in their daily lives.

Deuteranopia (Green color vision deficiency)
WHAT IS REALITY

Deuteranopia (Green color vision deficiency)

- The back room gives the audience the opportunity to find out the true colors of objects.
GRAY ZONE

Achromatopsia (Complete color vision deficiency)

- Interactive devices will capture people's movements through various grayscale pixels.
- The audience can understand different shades of gray through constant movement.
GRAY ZONE

Achromatopsia (Complete color vision deficiency)

- 50 shades of gray will be displayed on the wall, and people can understand each shade of gray through pantone.
- This area will display three specific gray apples, and people can compare their colors through pantone.
- People will understand that when the colors of objects are very similar, it is difficult to identify the accurate color. Just like in a world of complete color blindness, when the colors are only black, white and gray, we will no longer use color alone as the criterion for judgment.
• This room displays various colors of giant apples.

• The ambient light will be changed by timers, and people observe the effect on the apples.

• There are different materials and colors to impact the audience’s recognition.

• People can communicate with each other about their perception of colors based on personal differences in colour perception.
• This room displays various colors of giant apples.

• The ambient light will be changed by timers, and people observe the effect on the apples.

• There are different materials and colors to impact the audience’s recognition.

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• There are different materials and colors to impact the audience’s recognition.

• People can communicate with each other about their perception of colors based on personal differences in colour perception.
After completing all areas, people can use the QR code to do the test and check if they are color blindness.

People can upload their photos to create a color blindness test image and post it on social media.
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A1 ENTRY
A2 WHAT IS COLOR BLINDNESS
A3 WHAT DO YOU SEE
A4 BETWEEN US
A5 COLOR BLINDNESS FITS INTO DAILY LIFE
A6 MYTHS AND FACTS
A7 WHERE IS THE ENTRANCE
A7 GRAY ZONE
A8 EVERYONE IS UNIQUE

SCALE: N75
DATE: 12.08.2023
DRAWING NO: EX144
EX.200 SCHEDULES AND LISTS
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01A. ENTRY
01A.01.GR01
01A.01.GR02

02A. WHAT IS COLOR BLINDNESS
02A.01.GR01
02A.01.GR02
02A.01.GR03
02A.01.GR04
02A.02.GR01
02A.03.GR01

03A. WHAT DO YOU SEE
03A.01.GR01
03A.02.GR01
03A.03.GR01
03A.04.GR01

04A. BETWEEN US
04A.01.GR01
04A.02.GR01-48
04A.02.GR049
04A.03.GR01

05A. COLOR BLINDNESS FITS INTO DAILY LIFE
05A.01.GR01
05A.02.GR01
05A.02.GR02
05A.03.GR01
05A.03.GR02
05A.03.GR03
05A.03.GR04
05A.04.GR01-04

06A. MYSTHS AND FACTS
06A.01.GR01
06A.02.GR01

07A. WHAT IS TYPICALITY
07A.01.GR01
07A.01.GR02
07A.01.GR03

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08A. EVERYONE IS UNIQUE
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08A.02.GR01

08A.01.GR01
08A.02.GR01

09A. EXTERIOR AREA
09A.01.GR01

09A.01.GR01

09A.01.GR01
## Graphic Specifications

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<td>C1</td>
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<td>C2</td>
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<td>C4</td>
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<td>C6</td>
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<td>E DIGITAL SCREEN</td>
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<td>E1</td>
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<tr>
<td>E2</td>
<td>DIGITAL GRAPHICS PROJECTION.</td>
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<td>E3</td>
<td>LED SCREEN PANELS (VARIOUS SIZES).</td>
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<tr>
<td>E4</td>
<td>LED INTERACTIVE SCREEN PANELS (VARIOUS SIZES).</td>
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**Project:** SHADES OF EMPATHY

**Client:**

**Key Plan:** N/A

**Drawn By:** Wan Ting Lin

**Scale:** NTS

**Date:** 12.08.2023

**Drawing No.:** EX2.02
## MATERIAL SCHEDULE

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<td>07A</td>
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<tr>
<td>METAL</td>
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<td>STEEL PIPES WITH PAINTING SILVER COLOR. ALUMINUM DECO METAL LAMINATE TO MDF.</td>
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<td></td>
<td>05A</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>X.MTL.02</td>
<td>05A</td>
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<td>X.WD.01</td>
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<td>ONE LAYER 5/8&quot; GYPSUM WALLBOARD APPLIED TO EACH SIDE 3-5/8&quot; METAL STUDS 16&quot; ON CENTER WITH #5 PLASTER FINISH.</td>
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<td>X.3DP.02</td>
<td>01A,02A,07A</td>
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<td>07A</td>
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<td>07A</td>
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<tr>
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<td>X.PT.01</td>
<td>01-07A</td>
<td>BEHR PREMIUM PLUS ULTRA PURE WHITE.</td>
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<tr>
<td></td>
<td>X.PT.02</td>
<td>07A,08A</td>
<td>BEHR PREMIUM PLUS ULTRA PURE BLACK.</td>
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<td>X.PT.03</td>
<td>08A</td>
<td>BEHR PREMIUM PLUS. VARIOUS COLORS FOR APPLES.</td>
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**MATERIALS**

- FABRIC
- METAL
- WOOD
- VINYL
- 3D PRINTED
- LAMINATES
- MIRROR
- PAINT

**FABRIC**

- X.FB.01
- X.FB.02

**METAL**

- X.MTL.01
- X.MTL.02

**WOOD**

- X.WD.01
- X.WD.02

**VINYL**

- X.VL.01

**3D PRINTED**

- X.3DP.01
- X.3DP.02

**LAMINATES**

- X.LMT.01

**MIRROR**

- X.MR.01

**PAINT**

- X.PT.01
- X.PT.02
- X.PT.03

**DESCRIPTION**

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**DRAWN BY**

Wan Ting Lin

**DATE**

2023.02.08

**DRAWING NO.**

EX.2.03
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.

Written dimensions shall have authority over scaled dimensions. This office shall review contractor's shop details prior to fabrication. Mounting details to be reviewed and modified based on recommendation from fabricator.

### ARTIFACT SCHEDULE

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<td>FAKE PLANTS</td>
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<td>PAINT CUSTOM COLOR(VARIOUS SPECIES)</td>
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### ARTIFACT SCHEDULE

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Mounting details to be reviewed and modified based on recommendation from fabricator.

**ARTIFACT SCHEDULE**

**DRAWN BY**

Wan Ting Lin

**SCALE**

N.T.

**DATE**

12.08.2023

**DRAWING NO.**

EX2.05
**LIGHT SCHEDULE**

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<td>07A</td>
<td>VIRIBRIGHT LED TUBE LIGHTING</td>
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<tr>
<td>FT.03</td>
<td>03A,07A,08A</td>
<td>COLOR CHANGE SPOTLIGHT</td>
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<td>FT.04</td>
<td>05A</td>
<td>LIGHT BULBS WITH PRONGS</td>
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<td>FT.05</td>
<td>05A</td>
<td>HANGING PENDANT LIGHTS</td>
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<td>FT.06</td>
<td>05A</td>
<td>UNDERSCORE INOUT LED STRIP LIGHTING</td>
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<td>FT.07</td>
<td>05A,07A</td>
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**DRAWN BY**: Wan Ting Lin

**SCALE**: N/4

**DATE**: 12.08.2023

**DRAWING NO.**: EX2 D6
EX.300 PLANS AND SECTIONS
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.

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Mounting details to be reviewed and modify based on recommendation from fabricator.

DRAWN BY: Wan Ting Lii

SCALE: 1/16"=1'-0"

DATE: 12.08.2023

DRAWING NO.: EX3.01
These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions prior to performing work. Written dimensions shall have authority over scaled dimensions. This office shall review contractor's shop details prior to fabrication. Mounting details to be reviewed and modify if necessary based on recommendation from fabricator.

01A ENTRY
02A WHAT IS COLOR BLINDNESS
03A WHAT DO YOU SEE
04A BETWEEN US
05A COLOR BLINDNESS FITS INTO DAILY LIFE
06A MYSTHS AND FACTS
07A WHAT IS TYPICALITY
08A EVERYONE IS UNIQUE

DRAWN BY: Wan Ting Lin
SCALE: N/T
DATE: 12.08.2023
DRAWING NO.: EX.3.02
These drawings are not for construction. Contractors shall always verify and be responsible for all work, and conditions exist prior to performing work. Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication. Mounting details to be reviewed and modified based on recommendation from fabricator.

DIMENSION FLOOR PLAN

SCALE: 1/16"=1'-0"

DRAWN BY: Wan Ting Lin

DATE: 12.08.2023

DRAWING NO.: EX3.03
These drawings are not for construction. Contractors shall always verify and be responsible for all annotations and conditions noted here. This office shall review contractor’s shop details prior to fabrication. Mounting details to be reviewed and modified based on recommendation from fabricated.

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Mounting details to be reviewed and modified based on recommendation from fabricator.
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Mounting details to be reviewed and modify based on recommendation from fabricator.
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AV PLAN

SCALE: N.T.S

DRAWN BY: Wan Ting Lin

DATE: 12.08.2023

DRAWING NO. EX.3.07
These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions. This office shall review contractor's shop details prior to fabrication. Written dimensions shall have authority over scaled dimensions. Mounting details to be reviewed and modified based on recommendation from fabricator.
These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions stated in this office; any variations prior to performing work. Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication. Mounting details to be reviewed and modified based on recommendation from fabricator.

SECTION 1
SCALE: 1/4"=1'-0"

SECTION 2
SCALE: 1/4"=1'-0"

DRAWN BY: Wan Ting Lin

DATE: 12.08.2023

DRAWING NO: EX3.09
EX.400 GRAPHIC SYSTEM
LOOK & FEEL

The visual language of Shades of empathy connect the audience to colorblind people. Using the clear, simple and straightforward messages to inspire the audience's empathy for people who are color blindness.

COLOR

The choice of color depends on the actual color of the object and the color seen by a color blind person.

TYPEFACE

The typeface tone is clear, modern and readable, and it is a monospaced font.

OBJECT

Use common objects in life as themes and present the colors seen by color blind people.

PATTERN

It inspires from the color blindness test. Using circles of different sizes to create patterns.
Reflecting with yourself to evoke a sense of empathy for others

Using color blindness testing pattern

These drawings are not for construction. Contractors shall verify and be responsible for all dimensions and conditions prior to performing work. Written dimensions shall have authority over scaled dimensions. This office shall review contractor's shop details prior to fabrication. Mounting details to be reviewed and modified based on recommendation from fabricator.

DRAWN BY: Wan Ting Lin
SCALE: N.T.S
DATE: 12.08.2023
DRAWING NO.: EX4.02
Each area is given different colors according to different themes.
These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions stated herein. This office shall review contractor’s shop details prior to fabrication. Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication. Mounting details to be reviewed and modified based on recommendation from fabricator.

Test.
Discover Your Fruits. Unlock the Spectrum!
These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions noted. This office shall review contractor's shop details prior to fabrication. Written dimensions shall have authority over scaled dimensions. Mounting details to be reviewed and modified based on recommendation from fabricator.

WIDENING YOUR PERSPECTIVE ABOUT COLOR BLINDNESS
Segment Perception, Innovation, and Experience
Shades of Empathy

WIDENING YOUR PERSPECTIVE ABOUT COLOR BLINDNESS
Segment Perception, Innovation, and Experience
Shades of Empathy

WIDENING YOUR PERSPECTIVE ABOUT COLOR BLINDNESS
Segment Perception, Innovation, and Experience
Shades of Empathy
• After completing all areas, people can use the QR code to do the test and check if they are color blindness.

• People can upload their photos to create a color blindness test image and post it on social media.
These drawings are not for construction. Contractors shall verify and be responsible for all dimensions and conditions prior to performing work. Written dimensions shall have authority over scaled dimensions. This office shall review contractor's shop details prior to fabrication. Mounting details to be reviewed and modify based on recommendation from fabricator.
STEP 1
Learn which colors are color-blind friendly.

STEP 2
The system provides a variety of posters for the public to choose from.

STEP 3
People can change everything about the poster, such as the colors or graphics. After completion, the work will be displayed on the screen, allowing you to see the differences according to different types of color blindness.
These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions prior to performing work. Written dimensions shall have authority over scaled dimensions. This office shall review contractor's shop details prior to fabrication. Mounting details to be reviewed and modified based on recommendation from fabricator.
These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions. This office shall review contractor’s shop details prior to fabrication. Mounting details to be reviewed and modify based on recommendation from fabricator.

#6c616f
Gray of your choice.

Wan Ting Lin

12.08.2023

N/A

N.T.S

EX410
These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions prior to performing work. Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication. Mounting details to be reviewed and modified based on recommendation from fabricator.

Drawn by: Wan Ting Lin

02A.01.GR03-04

07A.01.GR04

07A.02.GR15

07A.02.GR10

03A.03.GR01

GRAPHIC FAMILY

PROJECT

SHADES OF EMPATHY

CLIENT

N/A

KEY PLAN

N/A

DESCRIPTION

DATE

12.08.2023

DRAWING NO.

EX411

SCALE

N.T.S
EX.500 DETAILS
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. Written dimensions shall have authority over scaled dimensions. This office shall review contractor's shop details prior to fabrication. Mounting details to be reviewed and modified based on recommendation from fabricator.
These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions stated here. Any variations prior to performing work shall be reviewed and modified. Written dimensions shall have authority over scaled dimensions. This office shall review contractor's shop details prior to fabrication. Mounting details to be reviewed and modified based on recommendation from fabricator.

**WAYFINDING**

**CLIENT**

**KEY PLAN**

**DESCRIPTION**

**DRAWN BY** Wan Ting Lin

**SCALE** 1"=1'-0"

**DATE** 12.08.2023

**DRAWING NO.** EX.02

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**PLAN 09A.01.GR01**
SCALE: 1"=1'-0"

**FRONT 09A.01.GR01**
SCALE: 1"=1'-0"

**SIDE 09A.01.GR01**
SCALE: 1"=1'-0"
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. Written dimensions shall have authority over scaled dimensions. This office shall review contractor's shop details prior to fabrication. Mounting details to be reviewed and modify based on recommendation from fabricator.
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. Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication. Mounting details to be reviewed and modify based on recommendation from fabricator.
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.

Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication.

Mounting details to be reviewed and modify based on recommendation from fabricator.

AXON 07A.05.GR03
SCALE: N.T.S

AREA IDENTIFICATION
07A.05.GR03
SCALE: N.T.S

What is typicality?

What is typicality?

What is typicality?

What is typicality?

What is typicality?

AREA IDENTIFICATION
07A.05.GR03
SCALE: N.T.S

DRAWN BY: Wan Ting Lin

SCALE: N.T.S

DATE: 12.08.2023

DRAWING NO: EX.5.05
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. Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication. Mounting details to be reviewed and modified based on recommendation from fabricator.

Shades of Empathy

Wan Ting Lin

N.T.S

12.08.2023

EX.5.06
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.

Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication.

Mounting details to be reviewed and modified based on recommendation from fabricator.
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. Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication. Mounting details to be reviewed and modified based on recommendation from fabricator.
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. Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication. Mounting detail to be reviewed and modified based on recommendation from fabricator.

DRAWN BY: Wan Ting Lin

SCALE: 3/8"=1'-0"

DATE: 12.08.2023

DRAWING NO.: EX05.09
These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions not shown. 
This office shall review contractor’s shop details prior to fabrication. 
Mounting details to be reviewed and modified based on recommendation from fabricator.

DISKS DIMENSIONS

SCALE: N.T.S

DISKS 02A.01.GR03
SCALE: 3/8"=1'-0"

SIDE ELEVATION 02A.01.GR03
SCALE: 3/8"=1'-0"

DRAWN BY Wan Ting Lin

DATE 12.08.2023

DRAWING NO. EX.5.10
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.

Written dimensions shall have authority over scaled dimensions. This office shall review contractor's shop details prior to fabrication. Mounting details to be reviewed and modify based on recommendation from fabricator.

FRONT ELEVATION 02A.01.GR04
SCALE : 3/8"=1'-0"

SIDE ELEVATION 02A.01.GR04
SCALE : 3/8"=1'-0"

DRAWN BY: Wan Ting Lin

DATE: 12.08.2023

DRAWING NO.: EX.5.11
These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions back to their office or any variations prior to performing work. Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication. Mounting detail to be reviewed and modified by recommendation from fabricator.
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. Written dimensions shall have authority over scaled dimensions. This office shall review contractor's shop details prior to fabrication. Mounting details to be reviewed and modified based on recommendation from fabricator.
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. Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication. Mounting details to be reviewed and modify based on recommendation from fabricator.

SCALE: 3/4”=1’-0”

DATE: 12.08.2023

DRAWING NO. EX.5.14
These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions. This office shall receive any variations prior to performing work. Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication. Mounting details to be reviewed and modified based on recommendation from fabricator.
These drawings are not for construction. Contractors shall verify and be responsible for all dimensions and conditions, and inform this office of any variations prior to performing work.

Written dimensions shall have authority over scaled dimensions. This office shall review contractor's shop details prior to fabrication.

Mounting details to be reviewed and modify based on recommendation from fabricator.

DRAWN BY: Wan Ting Lin

SCALE: 3/16"=1'-0"
These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions prior to performing work. Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication. Mounting details to be reviewed and modify based on recommendation from fabricator.

CEILING PLAN
SCALE: 3/16"=1'-0"
These drawings are not for construction. Contractors shall always verify and be responsible for all site dimensions and conditions and inform this office of any variations prior to performing work. Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication. Mounting detail to be reviewed and modified based on recommendation from fabricator.

SECTION
SCALE: 1/4"=1'-0"
These drawings are not for construction. Contractors shall always verify and be responsible for all在现场的条件。所有现场条件应由施工方确认。Written dimensions shall have authority over scaled dimensions. This office shall review contractor's shop details prior to fabrication.

Mounting details to be reviewed and modify based on recommendation from fabricator.

DRAWN BY: Wan Ting Lin

SCALE: 3/16"=1'-0"

DATE: 12.08.2023

DRAWING NO.: EX.519
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.

Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication.

Mounting details to be reviewed and modified based on recommendation from fabricator.
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.

Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication.

Mounting details to be reviewed and modified based on recommendation from fabricator.

APPLE DIMENSION PLAN
SCALE: 1/4"=1'-0"

APPLE DIMENSION ELEVATION
SCALE: 1/4"=1'-0"

APPLE COLORS
SCALE: 1/4"=1'-0"
EVERYONE IS UNIQUE

These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions prior to performing work. Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication. Mounting details to be reviewed and modify based on recommendation from fabricator.

APPLE DIMENSION PLAN
SCALE: 1/4"=1'-0"

APPLE DIMENSION ELEVATION
SCALE: 1/4"=1'-0"

APPLE COLORS
SCALE: 1/4"=1'-0"

DRAWN BY: Wan Ting Lin
DATE: 12.08.2023
DRAWING NO: EX5.22
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.

Written dimensions shall have authority over scaled dimensions. This office shall review contractor's shop details prior to fabrication.

Mounting details to be reviewed and modified based on recommendation from fabricator.
These drawings are not for construction. Contractors shall always verify and be responsible for all dimensions and conditions. This office shall review contractor's shop details prior to fabrication. Written dimensions shall have authority over scaled dimensions. Mounting details to be reviewed and modify based on recommendation from fabricator.
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.

Written dimensions shall have authority over scaled dimensions. This office shall review contractor’s shop details prior to fabrication.

Mounting details to be reviewed and modified based on recommendation from fabricator.
WAN TING LIN
100% DESIGN DEVELOPMENT PACKAGE
MA EXHIBITION & EXPERIENCE DESIGN
SUNY FASHION INSTITUTE OF TECHNOLOGY