

Exploring the Use of Idealistic Concepts and Symbolic

Interpretation to Enhance the Urban Context for People with Disabilities in an Installation Art Exhibition of Urban ThisAbility

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Abstract

This article explores the design approach of the art installation titled "Urban ThisAbility" which received funding from Bangkok Design Week 2023 and created by artists Torpong Limlunjakorn, Pornrak Chowvanayotin and Arnun Chantan. This project aims to raise awareness about ideal urban environments that accommodate people with disabilities. The artworks are created within the constraints of the installation venue to effectively convey this message. It also explores the cognitive processes involved in creating spatial and symbolic interpretations using grid concepts, reflective elements, and luminous emitting, drawing from relevant literature. The art installation was crafted through a comprehensive process to foster contemporary artistic awareness. The "Urban ThisAbility" project garnered positive feedback for its artistic merits and successful dissemination of awareness about urban mobility challenges for people with disabilities. Additionally, the responses from individuals with disabilities towards this work were insightful. This article seeks to be a valuable resource for students and enthusiasts of installation art and symbolic interpretation, providing a foundation for future studies in this field.

Keywords: *Idealism, Disabilities, Symbolic Interpretation, Grid, Installation Art*

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Introduction

Encouragement of social equality has become a key component of the new urban agenda since numerous United Nations Conferences. Without discrimination, all inhabitants and even people with disabilities, have equal rights and opportunities to adequate accessibility as well as equal access to public goods and quality services (UN, 2017). This includes Target 11.2 from Sustainable Development Goal No.11, which aims to provide safe and sustainable transport systems for all, including people with disabilities (UNDP, 2015). However, the current Bangkok's urban context continues to lack convenient facilities for people with disabilities. Many areas are unsuitable for their specific needs such as limited physical accessibility and unable to access public services. Unfortunately, these issues have persisted without receiving adequate attention for an extended period (Bangkok Post, 2021).

"Disability has frequently been viewed as a restriction on an individual's life and social involvement. Nevertheless, in numerous countries, the perception of disability has changed, regarding it as a non-impediment. The actual obstacle within the environment, which has not received sufficient attention in Thailand. If our country acknowledges that the physical environment is the primary barrier for individuals with disabilities, we must take measures to modify it and establish a more inclusive living environment for them." (The Urbanist, 2023).

In early 2023, during the Bangkok Design Week period, one of the largest design festivals in Southeast Asia, a call for projects was made with the theme of "urban'NICE'zation," aiming to present an inclusive and welcoming city for everyone (Figure 1). As an architect / faculty lecturer who has actively participated in volunteering activities and closely interacted with this community, the author recognized the opportunity to utilize this event as a platform to advocate for improved living conditions and mobility for people with disabilities in the city. Consequently, the author decided to create an installation art exhibition that merges architectural philosophy with the symbolic interpretation influence of the grid concept and idealism.



Figure 1. Publicity poster of "urban'NICE'zation" Bangkok Design Week 2023, Image courtesy of Bangkok Design Week 2023, <https://www.bangkokdesignweek.com/bkkdw2023>.

In general, the grid system is a design principle that involves organizing and structuring information using intersecting horizontal and vertical lines. This system finds applications in various fields such as graphic design, architecture, and art. Many artists and designers utilize the grid system as a compositional tool to arrange elements and establish principles like unity, symmetry, and balance in their work. The grid concepts are often integrated into programming, allowing for the exploration of abstract ideals and perfection. In the realm of architecture, theorists use these concepts to articulate visions of idealized societies (Elam, 2005). In summary, the grid concept possesses an abstract and idealistic meaning. It can be employed to symbolize an imaginary urban context that promotes accessibility for individuals with disabilities.

Urban ThisAbility¹ is one of the selected events, and got funding from Bangkok Design Week 2023, which revolves around the theme of 'Nice for Diversity.' The event aims to organize an art exhibition that focuses on promoting diversity-friendly urbanism, with a specific emphasis on people with disabilities. The project has received funding from Bangkok Design Week 2023 and was created by artists Torpong Limlunjakorn, a lecturer from the Faculty of Architecture Art and Design at King Mongkut's Institute of Technology Ladkrabang, Pornrak Chowvanayotin, a lecturer from the Faculty of Fine and Applied Art at Chulalongkorn University, and Arnun Chantan, an active disability activist in social. The exhibition took place during the second week of February 2023, specifically on the second floor of the Darunbannalai Children's Library, a heritage building located on Charoen Krung Road, Bangkok. The primary objective of the installation was to convey an idealistic concept that increases awareness and advocates for equal access among individuals with disabilities. The purpose of this artwork was to address the existing inadequacies of urban accessibility facilities in Bangkok, including rough pavements, pathways lacking slopes, and even damaged manholes, which have a significant impact on people with disabilities (Figure 2). The artwork, the artist's message, aimed to symbolize these issues through artistic interpretation, employing concepts of the grid, idealism, and symbolism that relate to the elements of the installation art.



Figure 2. Bangkok's urban context, Image courtesy of Pornrak Chowvanayotin.

The artwork was divided into two parts, each presenting its interpretation of grid symbolism. The first part was a mixed media art mapping projection, intended to enhance the urban environment. The second part was an art installation that emphasized spatial perception, representing an idealistic realm. This article focuses solely on the field of spatial

perception and the installation of art elements with consideration for spatial restrictions. It also provides a step-by-step description of the installation process.

Objectives

- To provide a concise explanation of the concept of idealism & symbolic interpretation.
- To explain the artistic perception in terms of spatial context.
- To visually illustrate the step-by-step installation process.

Related Concepts and Theories

This article aims to investigate the principles of idealism and symbolic interpretation as they are translated into artistic and spatial perception, particularly in the context of installation art elements. This exploration focuses on creating an imaginary urban environment that caters to the needs of people with disabilities. To accomplish this goal, a thorough review of relevant literature was conducted to gain insight into the underlying concepts, methodologies, and practical applications, which are summarized as follows...

Grid Concept that Reflect the Idealistic

The concept of the grid has been utilized in various ways, particularly by architects who employ the grid system to reflect their conceptual framework. Frank Lloyd Wright, an American architect, described the grid as a flexible and adaptable system that organizes space, enabling architects to create harmonious and coherent structures (Larkin, 1999). The grid's ability to provide a sense of order and proportion allows architects to express their creativity within a disciplined framework while envisioning an idealized vision (Ratti, 2016). Rem Koolhaas, a Dutch architect, also stated that the grid concept represents areas in the imagination, transcending geographic coordinates and reality itself (Nies, 2016). Le Corbusier, a Swiss Architect, indicated that the concept of a grid-like system can create a functional and efficient environment, embodying an idealized vision of urban living and emphasizing order and social harmony (Corbusier, 1929).

Furthermore, grid concepts are often associated with idealized visions. Architectural theorists frequently utilize grid drawings to illustrate abstract imaginative structures, depicting immaculate cities arranged in a logical and rational discipline. Several Italian architecture theorists have addressed 3D grid systems as imaginary spaces that represent abstract spatial concepts without specifying physical contexts or locations, simulated environments likewise virtual reality technology, and also envisioning idealized cities. It often emerged in response to the deficiencies of existing societies, offering a way to imagine an idealistic alternative. Therefore, the incorporation of grid elements may also serve as an alternative vision of the world (Limlunjakorn, 2022).

Additionally, the concept of ideal, in terms of socialization, has been defined as a symbol of human rights and social equality. Thomas More, a social philosopher, expresses that the concept of the basic citizen's rights is equal access to basic infrastructure and standardized public services, and ensuring their right to a good quality of life (Limlunjakorn, 2022). This concept is pivotal and aligns with the Urban ThisAbility project, which aims to enhance urban accessibility, especially for individuals with disabilities, through art. The project will feature a spatial art installation combined with mixed-media art mapping projection. This includes overlaying grid lines on photographs to depict the challenges faced in an obstacle-laden urban environment.

Symbolized and Interpretation

The principle of symbolism and interpretation manifests in various ways. "Symbolism" refers to "the art or practice of using symbols to attribute meaning to objects or to express the invisible or intangible through visible or sensory representations" (Merriam-Webster, 1989). "Symbolism" can be found in different artistic styles, including conceptual art, which aims to convey concepts through visual imagery and provoke contemplation. However, not all conceptual art has explicit meanings (Macbean, 2013).

Nelson Goodman, an American philosopher, asserts that art is a symbol imbued with meaning, going beyond mere indication. Therefore, the application of symbolic interpretation methods becomes crucial, drawing upon experience, knowledge, and the audience's perspectives (Goodman, 1976). Additionally, Arthur C. Danto, an American art critic and philosopher, proposes that a common object can transform into an art object when it embodies its meaning and evokes expressions through metaphor, setting it apart from the ordinary. He argues that the meaning of art is not inherent in the object itself but rather relies on the interpretation and context in which it is encountered (Danto, 2006).

From the literature reviewed, it is evident that the concept of the grid transcends being a mere geometric shape used in art and design. It carries a philosophical significance related to abstraction, freedom from constraints, imagination, idealism, and equality. The Urban ThisAbility project seeks to symbolically represent accessibility in urban environments. This is achieved by employing horizontal and vertical lines to construct an idealistic infinite plane, symbolizing an accessible urban context for wheelchairs. Conversely, a distorted infinite grid pattern, marked by interrupted intersections of horizontal and vertical lines, symbolizes an inaccessible urban context for wheelchairs. However, the original intention was to render the entire grid plane boundless. This decision was made to enhance understanding of the urban context, a topic that will be explored further in consideration of venue limitations, such as those posed by the heritage building.

Moreover, when using art objects to symbolize individuals with disabilities, it is important to consider incorporating characteristics that convey their unique experiences, such as wheelchairs. This is crucial because a complete understanding of disabilities cannot be achieved without taking into account their impact on urban environments. In this specific instance, using a wheelchair as an artistic object can accurately represent individuals with disabilities. The artwork combines various media formats, including audio elements, to convey the sound of wheelchair wheels traversing rough pathways. This symbolic representation highlights the difficulties experienced by wheelchair users while navigating urban settings. These elements are integrated and presented together in the venue to create a more immersive and dramatic experience.

Concepts for Creating Installations that Maximize Aesthetics Despite Venue Constraints

To achieve the desired outcome, it is crucial to consider the limitations imposed by the venue, particularly the constraints of the heritage building. These limitations may present challenges in terms of installing structures or integrating electrical systems. Therefore, as an artistic challenge, adapting the installation process to accommodate these specific conditions is essential to ensure feasibility and successful execution.

Nevertheless, the artist aims to create an imaginative environment that is both aesthetically pleasing and symbolically meaningful, allowing the audience to grasp the artist's message within the given constraints. The artworks emphasize both visual and auditory perception. To create a sense of boundless space within a confined venue of approximately 45 square meters, utilizing visualization techniques is essential. The key is to create an illusion of a cohesive and expansive space that conveys a feeling of endlessness urban context. Drawing inspiration from the work of Yayoi Kusama, a Japanese artist renowned for her infinity mirror rooms, it can actualize this concept by employing mirrored chambers featuring mirrored walls, ceilings, and floors. This arrangement generates the optical illusion of infinite space, providing viewers with a visually disorienting experience. Participants within space gain experience a sense of disorientation, transcendence, and introspection (Figure 3). The play of light, reflections, and patterns creates a mesmerizing and otherworldly atmosphere that blurs the boundaries between reality and illusion (Yoshitake, 2017).

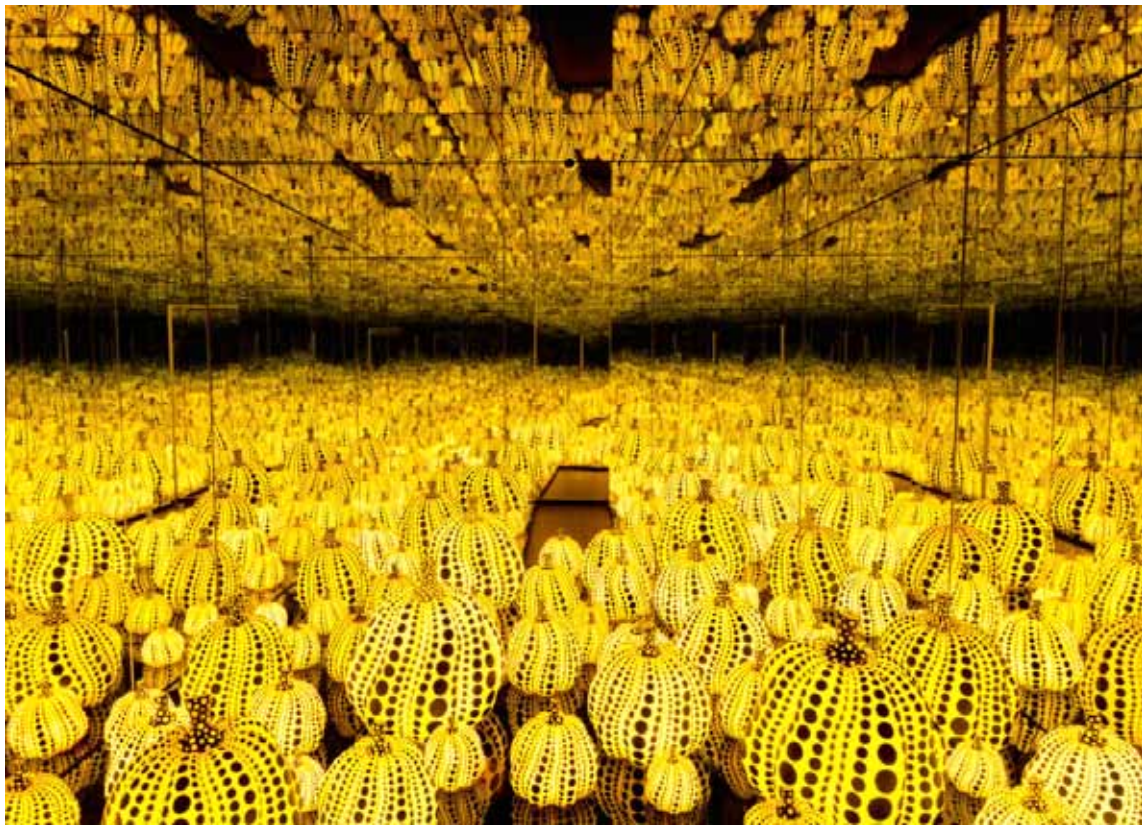


Figure 3. All the Eternal Love I Have for the Pumpkins by Yayoi Kusama (<https://high.org/exhibition/yayoi-kusama-infinity-mirrors>).

Furthermore, to create an aesthetic perception that increases attention through the illusion effect, the method of highlighting linear elements draws inspiration from Dan Flavin, an American artist associated with luminosity, vividness, and minimalism. Flavin's works generally used a simple fluorescent light tube to transform the exhibition space. His work provides a framework that fosters regularity, conceptual depth, and engagement with perception and architectural context. Flavin often incorporates linear patterns and grid struc-

tures into his installations, utilizing fluorescent light fixtures to create precise geometric arrangements (Figure 4). These structures may be suspended from the ceiling, mounted on the walls, or placed on the floor, depending on the specific requirements of the space (Govan, 2005).

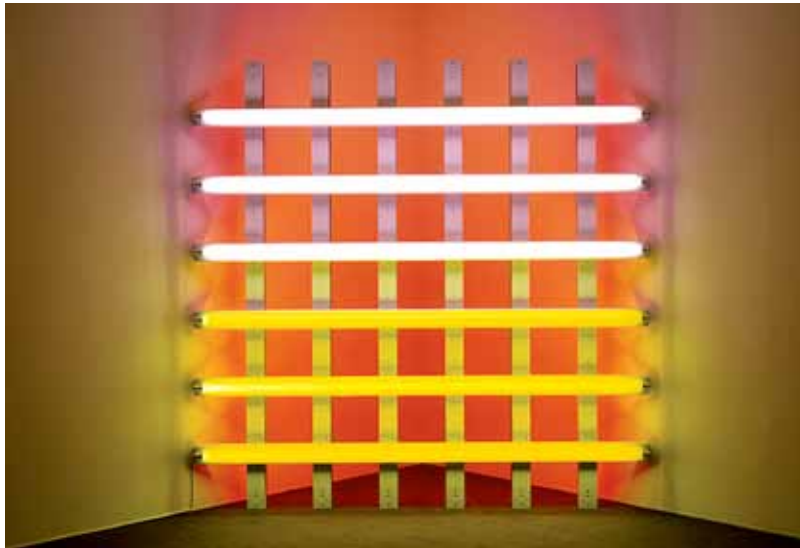


Figure 4. Untitled 2 by Dan Flavin (<https://whitney.org/collection/works/2364>).



Figure 5. The Crown. Glowing painting by Tom Bacher, (<https://www.cincinnatiarts.org/weston-art-gallery/exhibitions/detail/tom-bacher-per4ming-trans4ming-phos4scent-paintings>).

Considering the venue's constraints that prohibit the addition of extra electrical systems and outlets for illuminating grid patterns, the concept of luminous paintings that glow in the dark, as pioneered by American artist Tom Bacher, has been contemplated. Bacher's technique involves using phosphorescence and black light to create luminous paintings

within underexposed environments, resulting in unique luminescent phenomena as a form of artistic expression (Bianchi, 2020). Figure 5 provides an example of his work.

The Urban ThisAbility project has tailored certain concepts to accommodate the venue's limitations. The objective is to highlight the physical phosphorescent grid pattern and reflective effects that emit light in the dark and appear to expand infinitely, enhancing the visual impact. The artworks also integrate mixed media and audio elements to offer a contemporary artistic experience within the underexposed environment.

Thinking Process and Methods of Installation Works

The purpose of this section is to provide further elaboration on the thinking process that be obtained from principles and theories from the literature review, which will be presented in Figure 6. The procedure commences by taking into account the spatial context, followed by a summary of the conceptual framework and elements of the installations in the subsequent sections that operate by the following processes.

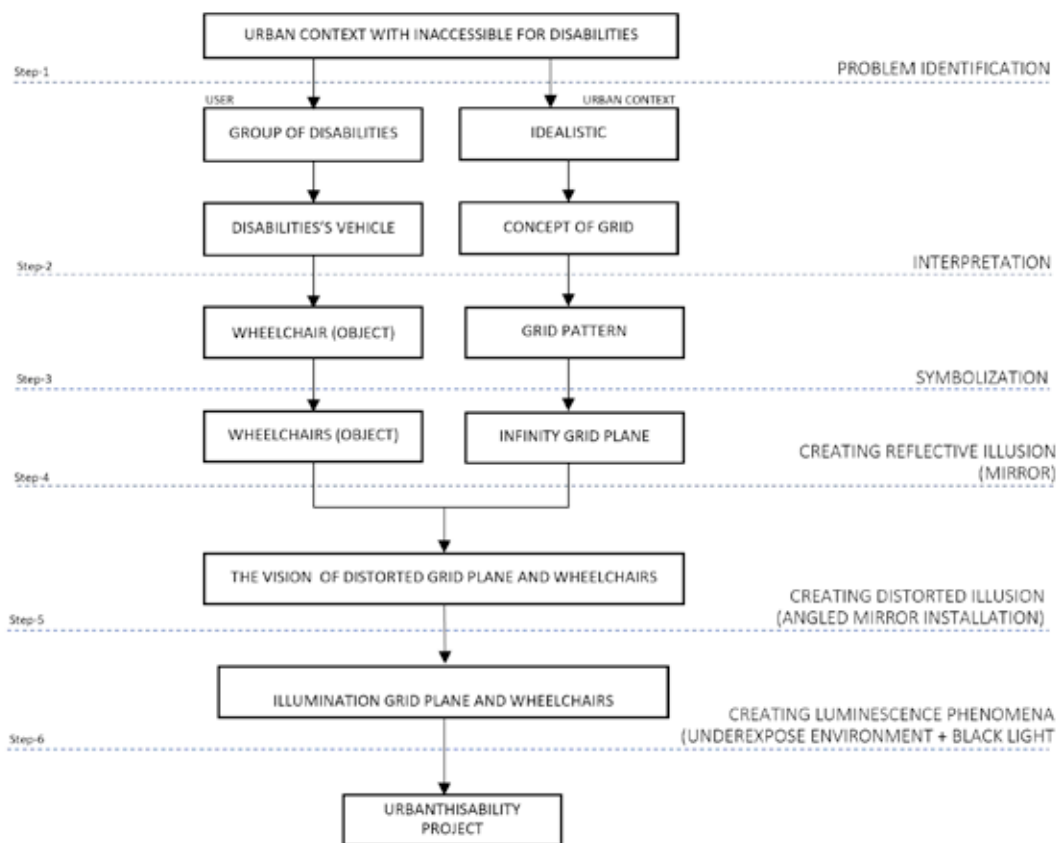


Figure 6. Diagram of the thought process.

- a) Considering spatial elements: The exhibition is hosted on the second floor of the Darunbannalai Children's Library, a heritage building situated on Charoen Krung Rd in Bangkok. The allocated space for the exhibition spans approximately 45 square meters (Figure 7). Given the constraints prohibiting modifications to the existing interior elements, temporary structures and movable elements have been utilized. The spatial organization adheres to a principle that considers the entrance area, circulation paths, projection positions, and installation areas.



Figure 7. Venue of Exhibition. Image courtesy of Pomrak Chowvanayotin.

- b) Clarifying the Grid Ideology, Idealistic Notion, and Interpretation: The objective of the Urban ThisAbility project is to transform the concept of idealism into a physically manifested grid pattern. These grid patterns are intentionally positioned on the ground plane, acting as a metaphor for an imaginary space that enables people with disabilities to navigate through. Within this context, the physical grid pattern represents an alternative ideal characterized by equality. In contrast, a distorted grid pattern represents an inequitable condition which individuals with disabilities face barriers to accessibility.
- c) Clarifying the Symbolism of People with Disabilities and Interpretation: Drawing from insights gained through the literature review, wheelchairs, which are spared from disabilities, are depicted as artistic objects that symbolized people with disabilities (Figure 8). These devices carry immense significance for this demographic, functioning as crucial tools for mobility akin to essential bodily organs. In addition to their artistic representation, wheelchairs serve a dual purpose by providing functional seating that enables active participation in mixed-media art mapping projections and auditory experiences.



Figure 8. Spared wheelchairs from disabilities as art object. Image courtesy of Pomrak Chowvanayotin.

- d) Creating an Illusion: The aim is to create an illusion of boundlessness and repetition by drawing inspiration from Yayoi's infinity mirror room concept, which enhances the perception of endlessness through grid patterns. To achieve this while considering venue

restrictions, movable mirror panels are utilized in the installation. These panels offer flexibility as they can be easily moved. Furthermore, angled installations of these movable mirror panels are integrated to generate a distorted grid plane pattern, effectively achieving the desired effect. The installation incorporates a repetition of wheelchairs from various visual perspectives. Furthermore, to safeguard the existing timber floor finish during the installation process, modular black-colored rubber carpets are used throughout the ground level.

- e) **Creating a Luminous Effect:** Given the venue's restrictions that prohibit the addition of new electrical systems, the concept draws inspiration from Dan Flavin's and Tom Bacher's approaches, particularly Bacher's use of phosphorescence in low-light environments. This concept focuses on incorporating grid linear patterns into the emitting element to achieve easy installation without relying on complex electrical systems. Utilizing 3M Luminous tape, grid-patterned surfaces are created on modular black-colored rubber carpets placed at ground level. This approach effectively enhances the visual impact by highlighting the grid patterns, creating a dramatic perception, and avoiding the need for intricate electrical setups. The installation process is depicted in Figure 9.



Figure 9. Luminous Tape on modular rubber floor and angled mirror panel. Image courtesy of Pornrak Chowvanayotin.

- f) **Enhancing Luminosity:** The integration of blacklight fluorescent significantly amplifies the luminous effect on the grid-patterned surface. This enhancement not only increases the brightness of the 3M luminous tape but also enhances the depth and intensity of the overall visual experience. The synergy between blacklight fluorescent and 3M luminous tape is critical for achieving the desired emitted effect, underscoring the importance of mockup lighting tests. These tests ascertain the specifications, brightness levels, and optimal height for blacklight fluorescent installation. A well-executed setup will infuse the entire venue with a captivating blacklight emitting effect. The outcomes of the mockup lighting test are illustrated in Figure 10.

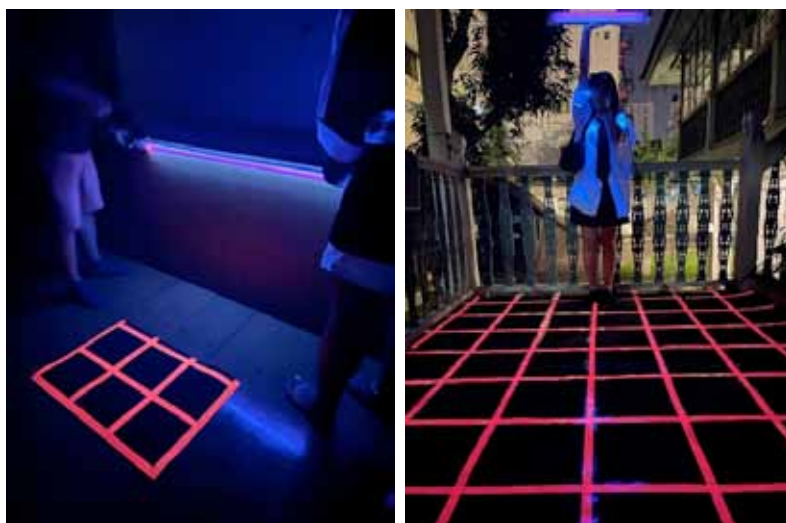


Figure 10. Mockup lighting test. Image courtesy of Pornrak Chowvanayotin.

- g) **Manipulating the Interior and Lighting Environment:** Following the installation process from Dan Flavin, which needs to consider the atmosphere and ambience of the space. As part of this project, the venue illuminance is deliberately adjusted to establish an almost completely dark (Figure 11). Moreover, it also invisible the interior environment, a conservative Thai style, that is not related to the actual concept of the work. It makes this venue visible only in the installation context without any other disturbances. This deliberate adjustment effectively highlights the luminous grid-patterned surfaces and enhances their brightness and visual impact. This is achieved through the incorporation of blacklight fluorescent fixtures suspended from the existing central structure of the venue, as determined through mockup lighting tests.

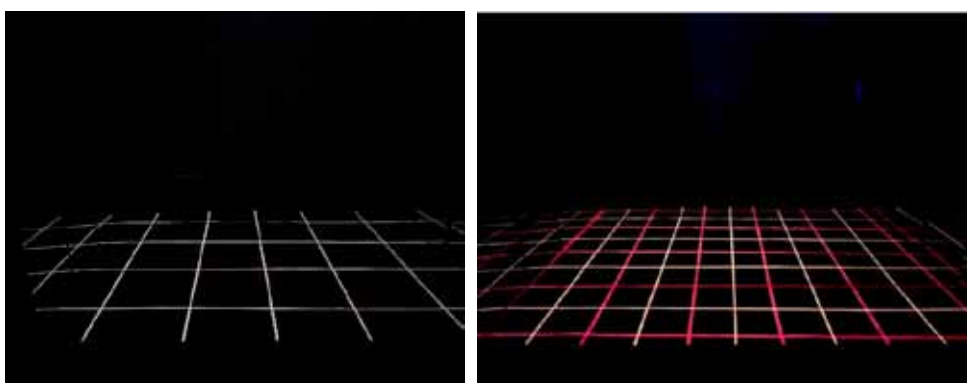


Figure 11. Mockup lighting test. Image courtesy of Pornrak Chowvanayotin.

- h) The final step involves installing the projector system, audio system, and customizing multimedia content to showcase mixed-media art within the arranged environment. A final check of all installation work will be conducted before the commencement of the event.

Results

The exhibition was held for nine days, from February 4 – 12, 2023 at the Darunbannalai Children's Library, the Publicity poster of Urban ThisAbility is illustrated in Figure 12, which has many supporters to assist. Upon analyzing the development based on grid concepts, idealistic principles, and symbolic interpretation, the art installation is depicted in Figure 13. It showcases a modular black-colored rubber carpet adorned with a luminous grid pattern, which is further enhanced by the use of luminous tape. Influencing with a black light fluorescent bulb which is installed in the center of the room to increase the emitting of luminosity, that has the exact installation position including ground clearance obtained from the mockup lighting test. This grid serves as a symbol representing the idealistic dimension and covers a substantial area within the room (Figure 14). Additionally, an angled movable Mirror Panel is strategically positioned to envelop the space, accompanied by strategically placed blacklight fluorescents at the center of the room. As a representation of disabilities, wheelchairs are centrally positioned on the luminous grid ground plane. The underlying concept of this art installation is to create a sense of repetition and a distorted perception of infinity through the interplay of luminous elements and reflection effects.

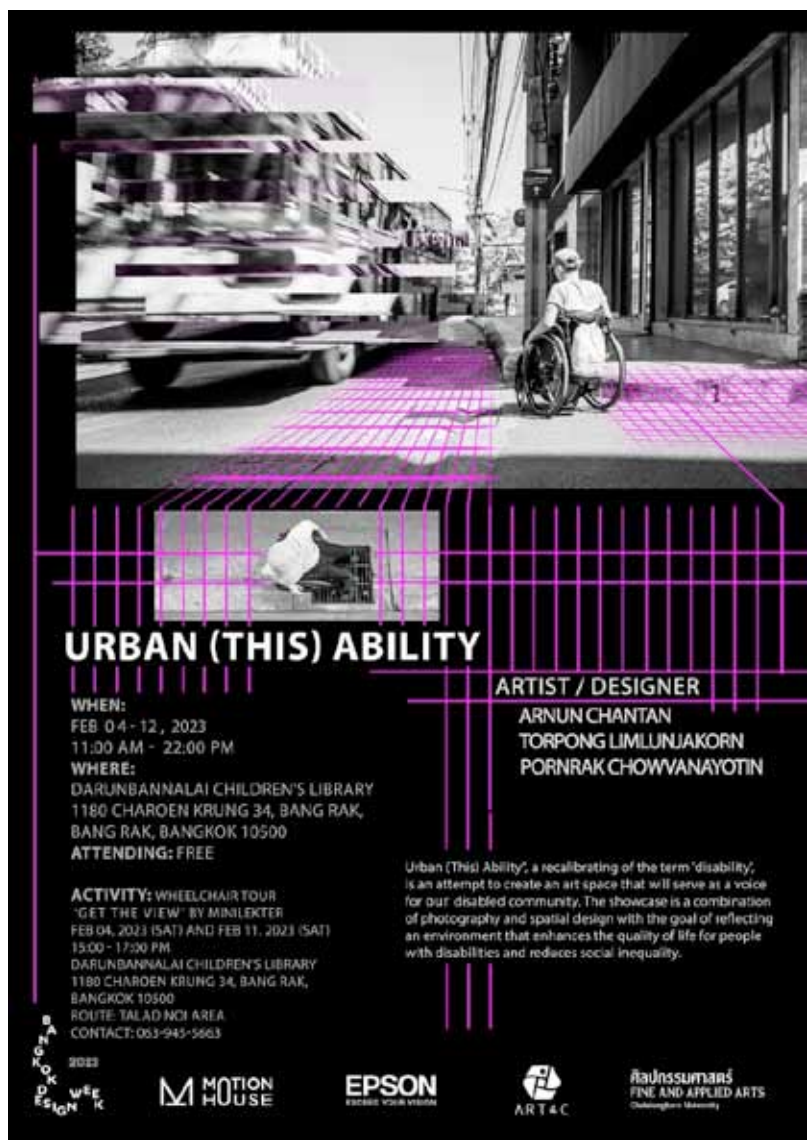


Figure 12. Publicity poster of Urban ThisAbility.

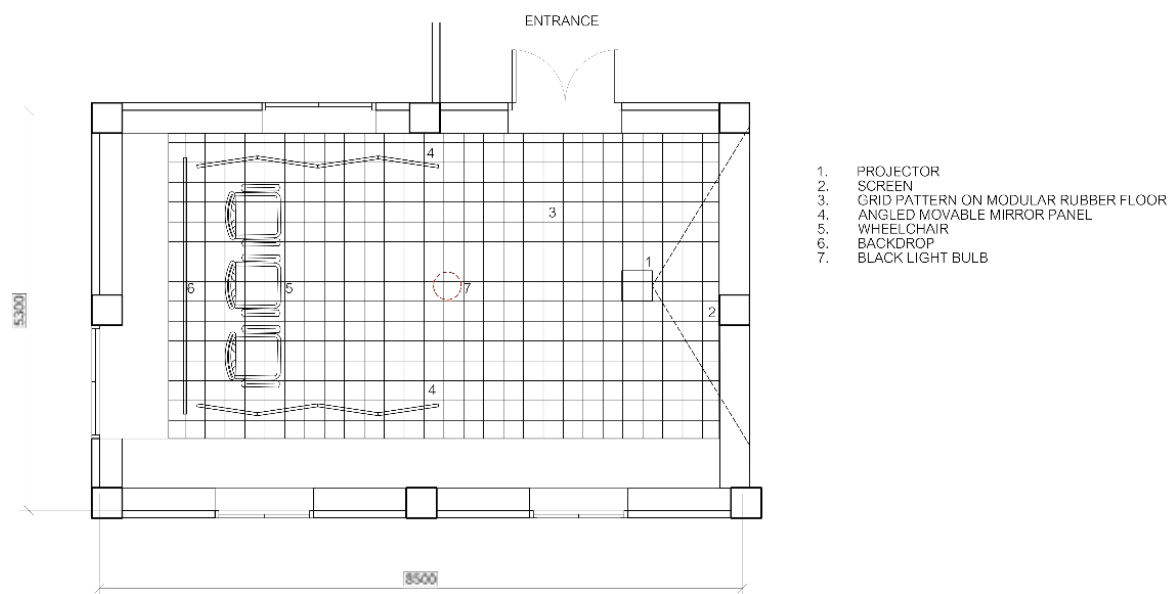


Figure 13. Installation elements.



Figure 14. Luminous grid pattern installations. Image courtesy of Pomrak Chowvanayotin.

With the interpretation of the concept, the space between the angled mirror panels is designed to represent an idealistic realm. The wheelchairs are positioned on a luminous grid pattern, enhancing the visual aesthetics. The visual reflections from angled mirror panels create a sense of disfigured repetition, showcasing the wheelchairs on the distorted grid pattern. Which symbolized the experience of individuals with disabilities in an inaccessible urban environment. The diagram symbolized of spatial interpretation indicated in Figure 15.

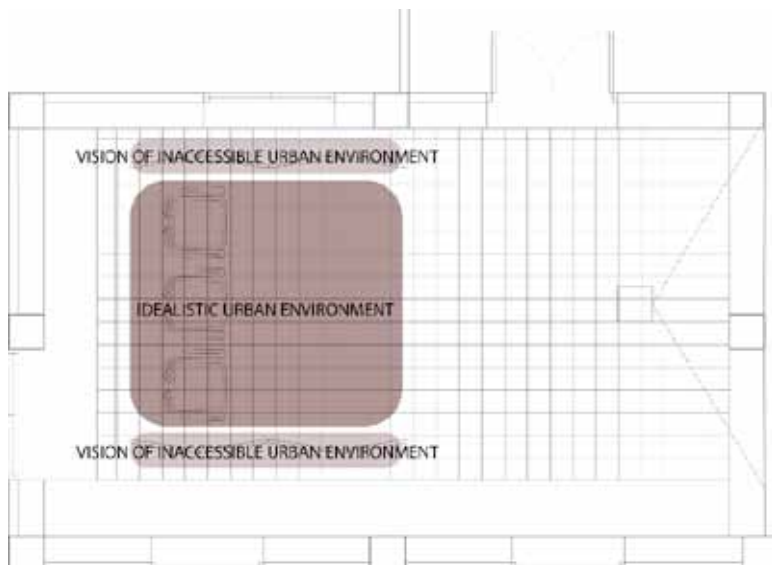


Figure 15. Diagram Concept of spatial interpretation.

During their visit, audiences have the opportunity to interact with the luminous effects, reflections, and illusions showcasing both general and distorted grid patterns in low-light conditions (Figure 16). Additionally, audiences can engage further by sitting on the wheelchairs, and participating in the mixed-media digital mapping installation accompanied by auditory elements representing the sound effects of wheelchair movement along rough pathways (Figure 17). This intentional design by the artists aims to create a dramatic expression and spatial artistic perception, using symbolism and interpretation to convey the concept of an ideal urban environment for individuals with disabilities. It's important to note that all installation elements are temporary structures with movability, designed to be dismantled without causing damage to the existing interior context (heritage building) after the exhibition, in compliance with venue restrictions.



Figure 16. Urban ThisAbility exhibition. Image courtesy of Pornrak Chowvanayotin.



Figure 17. Urban ThisAbility exhibition. Image courtesy of Pornrak Chowvanayotin.

Conclusion

During the exhibition period, there was significant audience interest in the art installation. The feedback can be summarized in various ways. Firstly, the installation was effective in raising awareness about urbanism and its impact on the disabled community. Secondly, it successfully conveyed symbolic interpretations and artistic expressions related to spatial perception. These insights were gathered through an online questionnaire 2 and interviews conducted to gather audience feedback after their participation. Additionally, in-depth online interviews were conducted with people from the disabled community through platforms like UrbanNice with ThisAbility's online interview session (Figure 18), providing valuable responses and perspectives on this event.

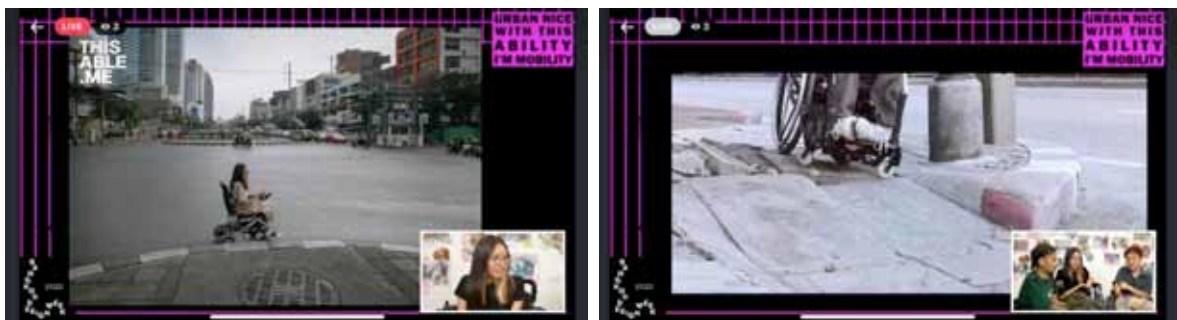


Figure 18. UrbanNice with ThisAbility – online interview session. Image captures by Pornrak Chowvanayotin.

- 1) The questionnaire on awareness of urbanism towards the disabled group collected feedback from the audience, including statements such as:
 - “Thank you for helping raise awareness for people with disabilities”
 - “Thank you for illuminating the daily life of people with special abilities”
 - “Society should have things that help support people with disabilities to cover all areas. the entire transportation system good sidewalk and rights that people with disabilities deserve”
 - “It is a work that reflects the difficulty of traveling for disabled people in the city”
 - “It's a good exhibition. It cultivates basic consciousness; the government sector should support and address this issue.”
 - “It's an event that emphasizes the importance of people with disabilities. It inspires me to look forward to seeing good design work for people with disabilities in the future.”

From that, feedback from an online questionnaire revealed that the Urban ThisAbility project received positive responses from the audience and was considered successful in raising awareness. Some feedback from participants indicates that they were left with a sense of responsibility for ensuring equal access to urban facilities for individuals with disabilities. Additionally, after experiencing the exhibition, the audience became more aware of the travel obstacles faced by people with disabilities in their daily lives. This awareness encourages audience members, students, designers, or artists to prioritize making urban spaces better for everyone, including people with disabilities.

2) The questionnaire on symbolism, interpretation, and artistic expression related to spatial perception collected feedback from the audience, including statements such as:

- “It's a very good exhibition. The requirements of disabilities are presented through modern media and aesthetics”
- “The exhibition communicates well. Conveys the difficulties of people with disabilities”
- “The work effectively communicates through textures, symbols, and spatial perception, employing modern artistic presentations that make it very attractive to participants”
- “The spectacular luminous effects and illusions were very enjoyable”
- “The works create a dramatic perception, especially the spectacular luminous grid pattern”
- “I'm very excited about the underexposed environment with reflections and luminous emitting on the ground, providing a good artistic experience”

These responses indicate that the installation effectively communicated its concept to the audience, who fully understood the artist's intended message. The exhibition successfully portrayed both idealistic and non-idealistic perceptions within space constraints using symbolism and interpretation. Additionally, the artistic presentation in modern media and aesthetic spatial design resonated well with the audience, translating abstract concepts into grid-patterned graphics highlighted by luminosity to create a dramatic perception.

In addition, Chowvanayotin (2019) pointed out, "Art has undergone a shift in its focus, moving beyond the mere object and emphasizing the broader value it carries. The concept of art has surpassed its physical form, enabling the creation of works that delve into the realms of limitless thought and unrestricted space." This discourse provides strong encouragement for the idea presented in this article.

3) The responses from people with disabilities towards this work.

The responses from people with disabilities regarding this work were gathered through in-depth interviews with participants who had experienced the exhibition. From an artistic perspective, while their knowledge may be at a general level, they could understand the message conveyed by the artwork and enjoyed the glowing grid graphics in the exhibition area. Additionally, they expressed happiness that the exhibition brought attention to the challenges of travelling in the city by wheelchair, highlighting the in-

adequacy of urban facilities for their daily lives, which are often overlooked by society.

This sentiment aligns with the event's concept as articulated in an initial interview with Arnan Chantan, one of the exhibitors and an enthusiastic disability activist. He expressed the key message of the event: 'People with disabilities are not a burden, but the lack of facilities and circumstances in urban areas make people with disabilities feel burdened.' This artistic challenge aims to use art as a tool to raise societal awareness about the challenges faced by individuals with disabilities.

Finally, this article aims to provide valuable insights for young artists and architects, helping them understand the process of design thinking and how to translate abstract concepts into tangible installation elements. It serves as a practical guideline and reference for installation works that must navigate limitations and adjust methods while retaining the intended message. The Urban ThisAbility project aspires to be a voice for advocating and stimulating improvements in living environments for people with disabilities in the future.

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Endnotes

- 1 <https://www.bangkokdesignweek.com/en/bkkdw2023/program/42108>.
- 2 <https://padlet.com/pornrakc1/urban-this-ability-sharing-your-experience-nyj086tfvk1xwu0c?fbclid=IwAR1qFNsm6yETeFcXsQ4KB1XCdiumv1D80Lr053dNL2jwocQgHbkOW9231A0>.

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