



ARTSBUILDONTARIO

LEARNING SERIES

Best Practices for Architects, Designers and Creative Spaces on Accessibility

March 26, 2019

Webinar 4 of 6

Before we begin...

1. Closed captioning is provided throughout the webinar.
2. You can hear us but we can't hear you! Please use the chat box for questions.
3. A link to recording, transcript and evaluation will be provided following the webinar.
4. We will be using the chat box for the Q & A period. You can also email questions to erin@artsbuildontario.ca.

Agenda

- Recap on what we covered in the last webinar: “Design for Public Spaces Advanced: How Can Creative Spaces Go Beyond The Standard”
- Presentation: “Best Practices for Architects, Designers and Creative Spaces on Accessibility” from Amy Pothier and Corey Timpson
- Presentation from Question and Answer Period

Recap of AODA & Design of Public Spaces

What is a disability?

People with disabilities are the minority of EVERYONE

- Everyone either currently has a disability, knows someone with a disability or will have a disability as they age



Understanding AODA Law



- AODA = Accessibility for Ontarians with Disabilities Act
- Goal = Make Ontario accessible
- Based on = Equality, Dignity and Respect
- 5 areas of requirements:
 - Integrated Accessibility Standard
 - Customer Service
 - Information and Communication
 - Employment
 - Transportation
 - Design of Public Spaces

AODA - Design of Public Spaces

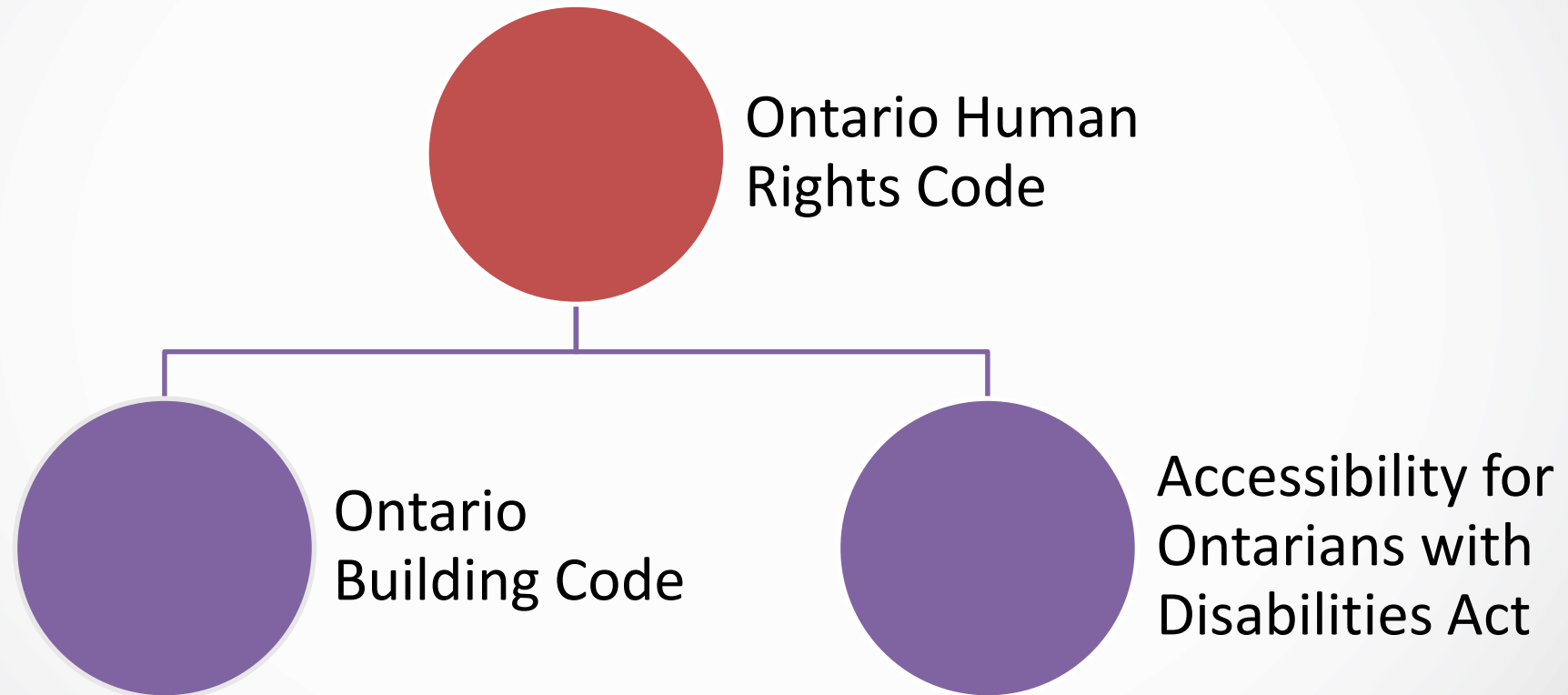
Most buildings:

- Exterior Paths of Travel
- Outdoor Public Use Eating Areas (Require public consultation)
- Outdoor Play Spaces (Require public consultation)
- Accessible Parking
 - Type A (van size)
 - Type B (car size)
- Obtaining Services
 - Service counters
 - Fixed queuing guides
 - Waiting areas (Minimum 3%)

Ontario Building Code (OBC)

- Limited accessibility requirements
- Can build a building that fully complies with the OBC but will it be fully inclusive?
 - Mostly focuses on individuals who use wheelchairs
 - Doesn't solve for full range of abilities people have

Hierarchy of Laws



Resources

- [AODA Customer Service](#)
- [AODA Information and Communication](#)
- [AODA Employment](#)
- **AODA Design of Public Spaces**
[Illustrated Technical Guide to the Design of Public Spaces](#)

Designing Creative Public Spaces

12 March 2019



human—space

Design for Public Spaces Advanced: How Can Creative Spaces Go Beyond the Standard?



Ministry for Seniors and Accessibility



ontario.ca/accessibility



Toll-Free: 1-866-515-2025

TTY: 416-325-3408 / 1-800-268-7095



[@ONAccessibility](https://twitter.com/ONAccessibility)



facebook.com/ONAccessibility



YouTube.com/ONGov



accessibility@ontario.ca

Presenters



Amy Pothier

Accessibility and Building Code
Consultant
Gensler

Presenters (continued)



Corey Timpson
Corey Timpson Design Inc.

The image shows the interior of a large, modern theater. The seating is tiered and curved, facing a stage. The stage has a wooden backdrop and a person is standing near a podium. The ceiling is high with exposed lighting rigs and blue accent lighting. The walls are made of large, light-colored panels.

ArtsBuild Ontario

Best Practices for Architects,
Designers, and Creative
Spaces on Accessibility
March 26, 2019

Gensler
Amy Pothier
Accessibility and Building Code Consultant
Email: Amy_Pothier@gensler.com
(416) 933-4042

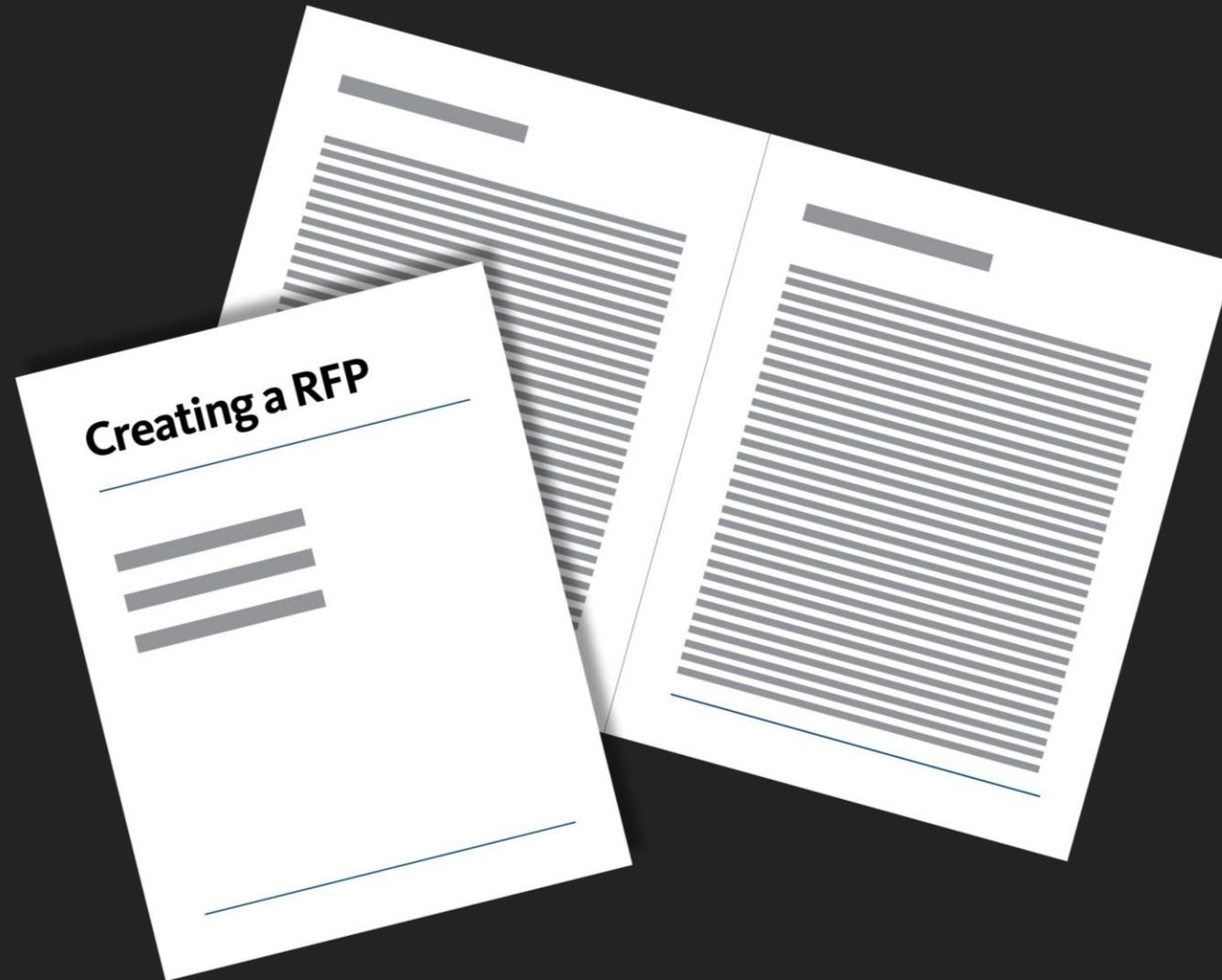




Agenda

1. Creating an RFP
2. Going Through the Design Process
3. Navigating Construction
4. Lessons Learned

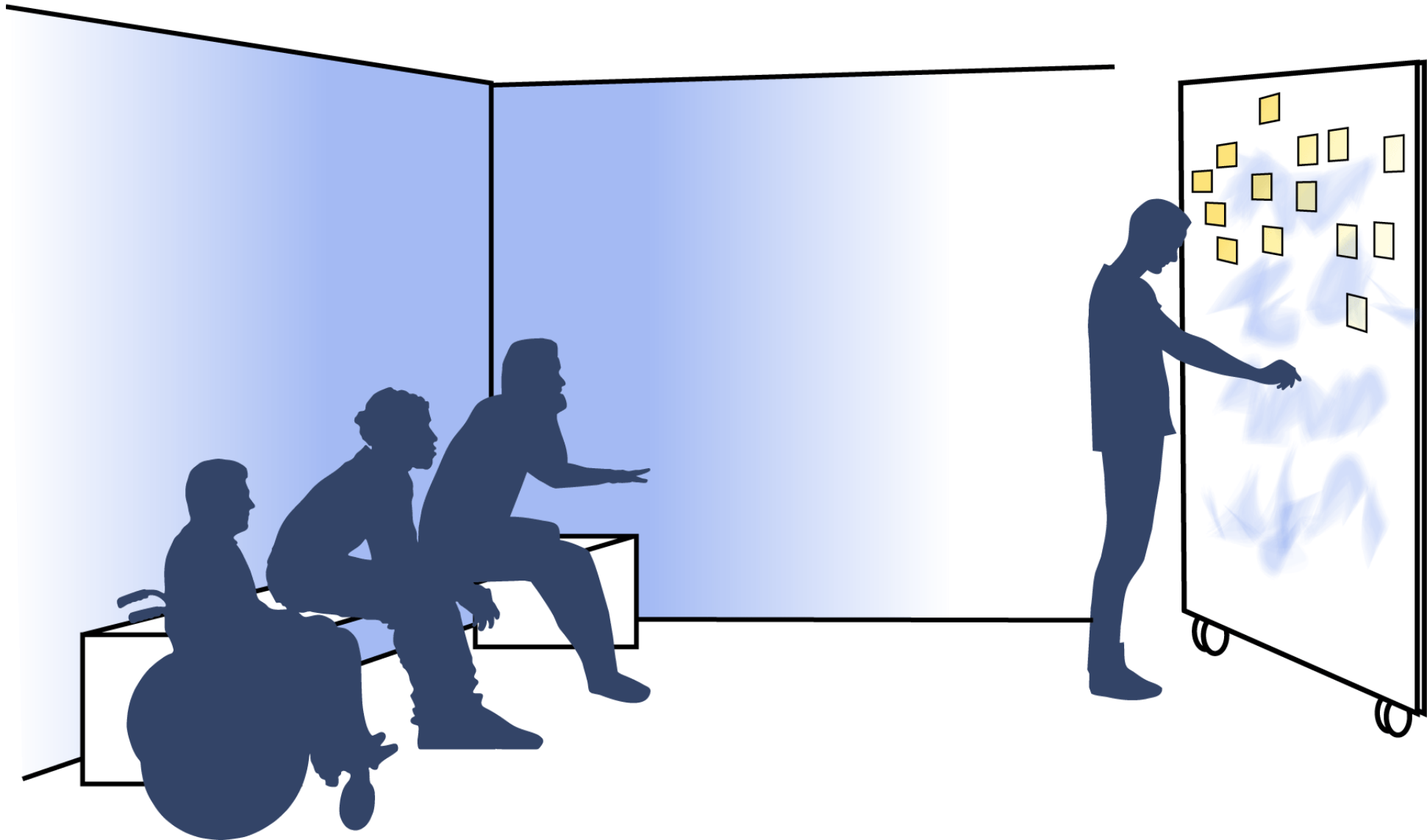
Creating a Request for Proposal (RFP)







Design Process

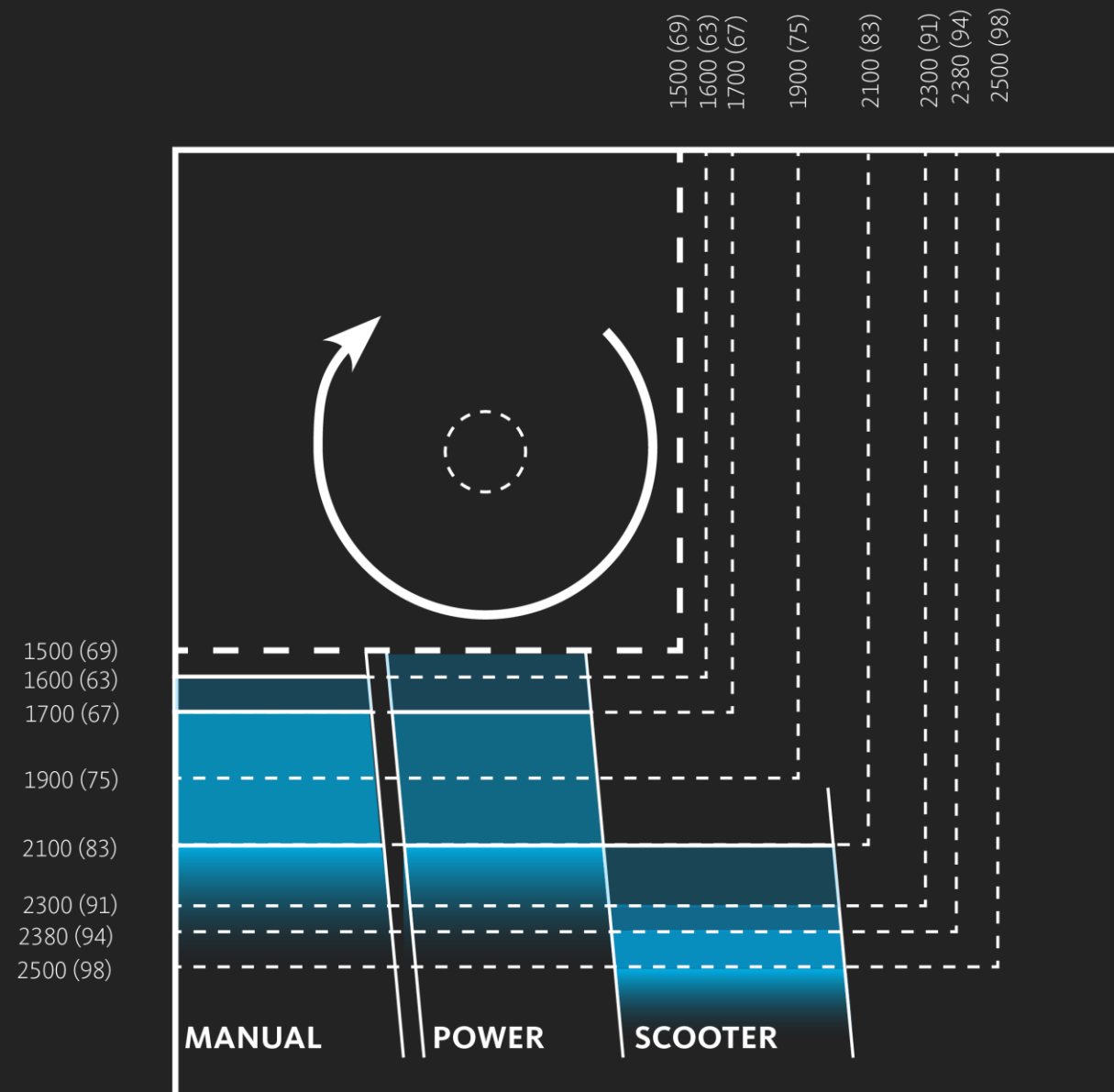


Dimensions

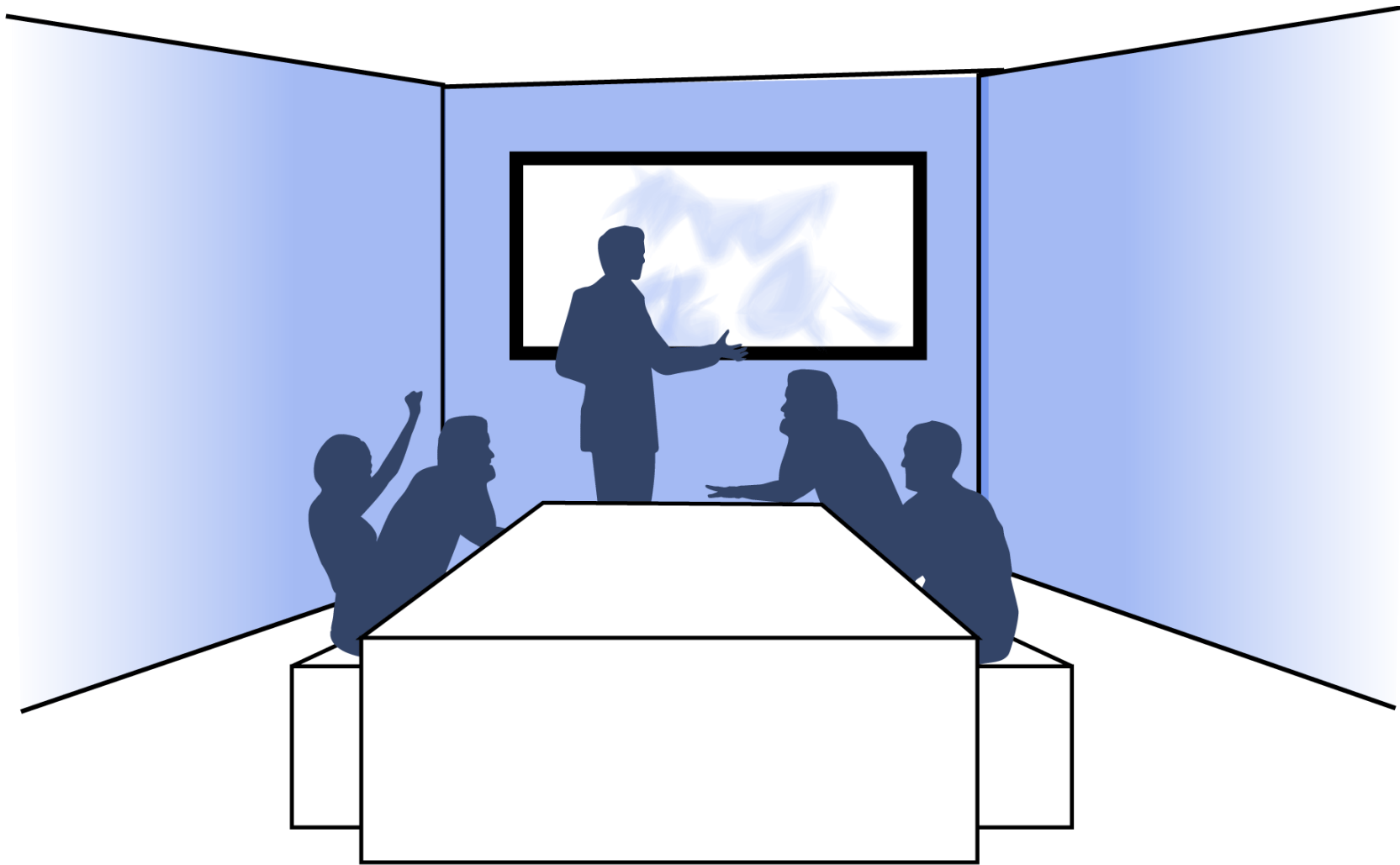
MINIMUM CLEAR FLOOR SPACE REQUIRED FOR 360-DEGREE TURN

percent accommodated (fixed wall)		floor space dimension, units:mm (in)		
		MANUAL	POWER	SCOOTER
<50%	50%	1600 (63)	1500 (59)	2100 (83)
>50%-75%	75%	1900 (75)	1700 (67)	2300 (91)
>75%-90%	90%	1900 (75)	2100 (83)	2380 (94)
>90%-95%	95%	2100 (83)	2100 (83)	2500 (98)
95%		- - - - ADA 304.31.1 specification of 152.5 cm (60in)		

Gensler







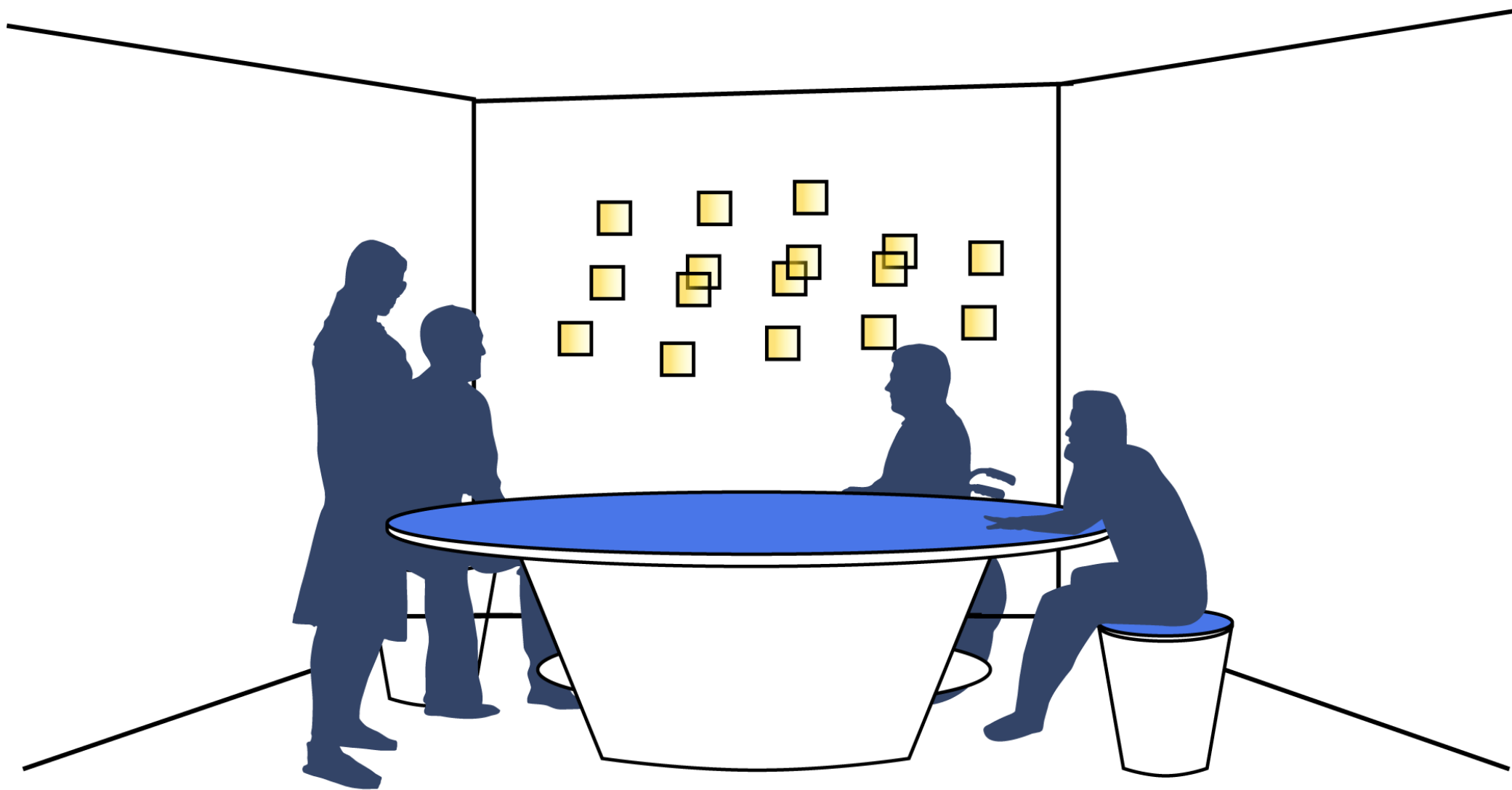
Construction

Gensler











SCHICIANO FAMILY NEWTON STUDIO

BOSTON BALLET SCHOOL



Thank you!

Gensler

Amy Pothier
Accessibility and Building
Code Consultant
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Ecosystem of Inclusion

ArtsBuild Ontario

March 26, 2019

Corey Timpson

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Ethos

Rather than design and develop something and then figure out how to make it accessible, we design with a consideration to all audiences, and all vectors of human difference, from the outset.

Ethos

Rather than design and develop something and then figure out how to make it accessible, we design with a consideration to all audiences, and all vectors of human difference, from the outset.

Inclusive Design is the methodology and the practice.
Accessibility is an output of this practice.

Design Principle

Consider the Ecosystem.

Ecosystem

1. Architecture & Building
2. Environmental Design
3. Graphic Design
4. Interface & Interaction Design
5. Software Design and Development
6. Media Design & Production
7. Fabrication & Installation
8. People



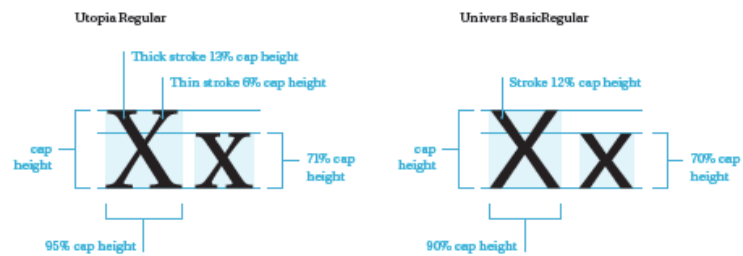


Inclusive Design

Typography

Type Anatomy Contributes to Legibility

Font Proportions



Both typefaces meet requirements regarding width, x-height, and weight found in the *Smithsonian Guidelines*.

Easily legible numbers



Clear extension for lowercase

Utopia Regular



Univers BasicRegular



Inclusive Design

Graphic Design

Do Not Set Text in All Caps

RIGHTS



Featureless all caps word shape offers no help when reading.

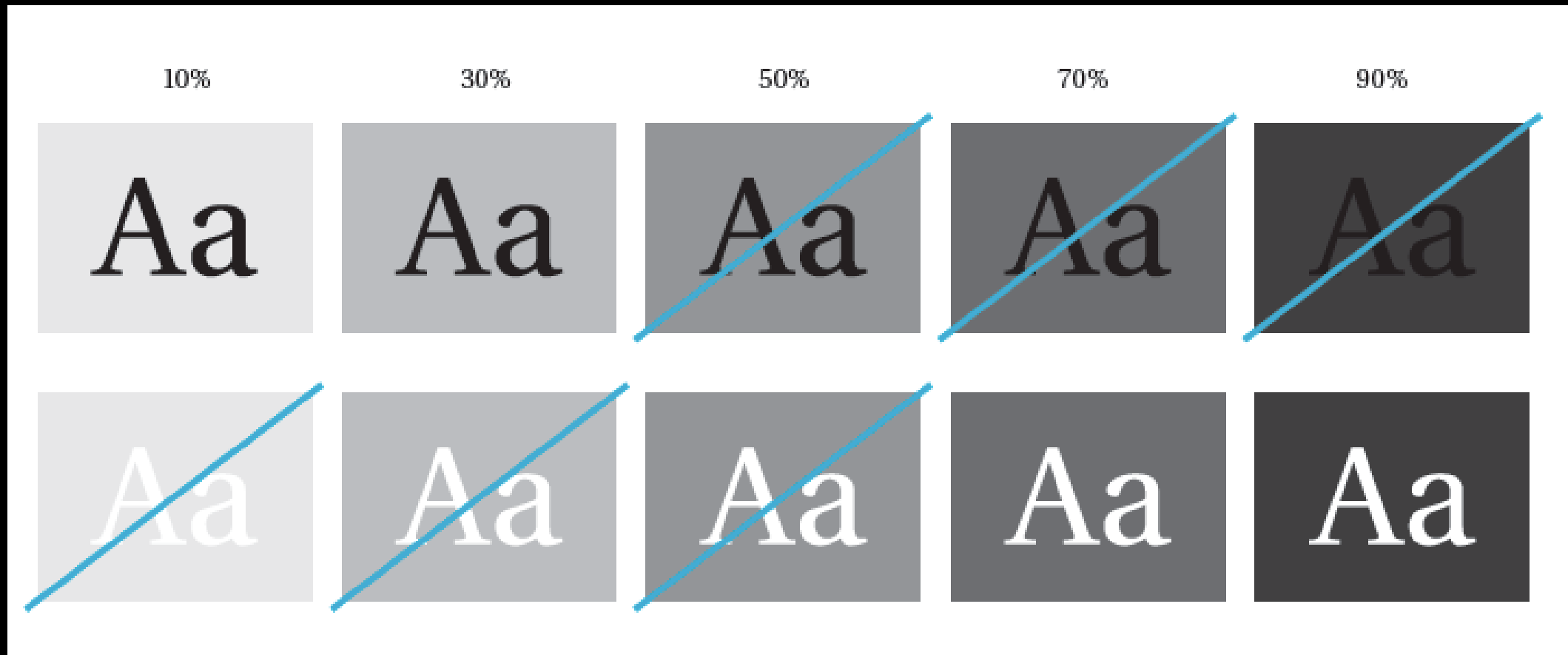
Rights



More distinctive upper & lowercase word shape assists with reading.

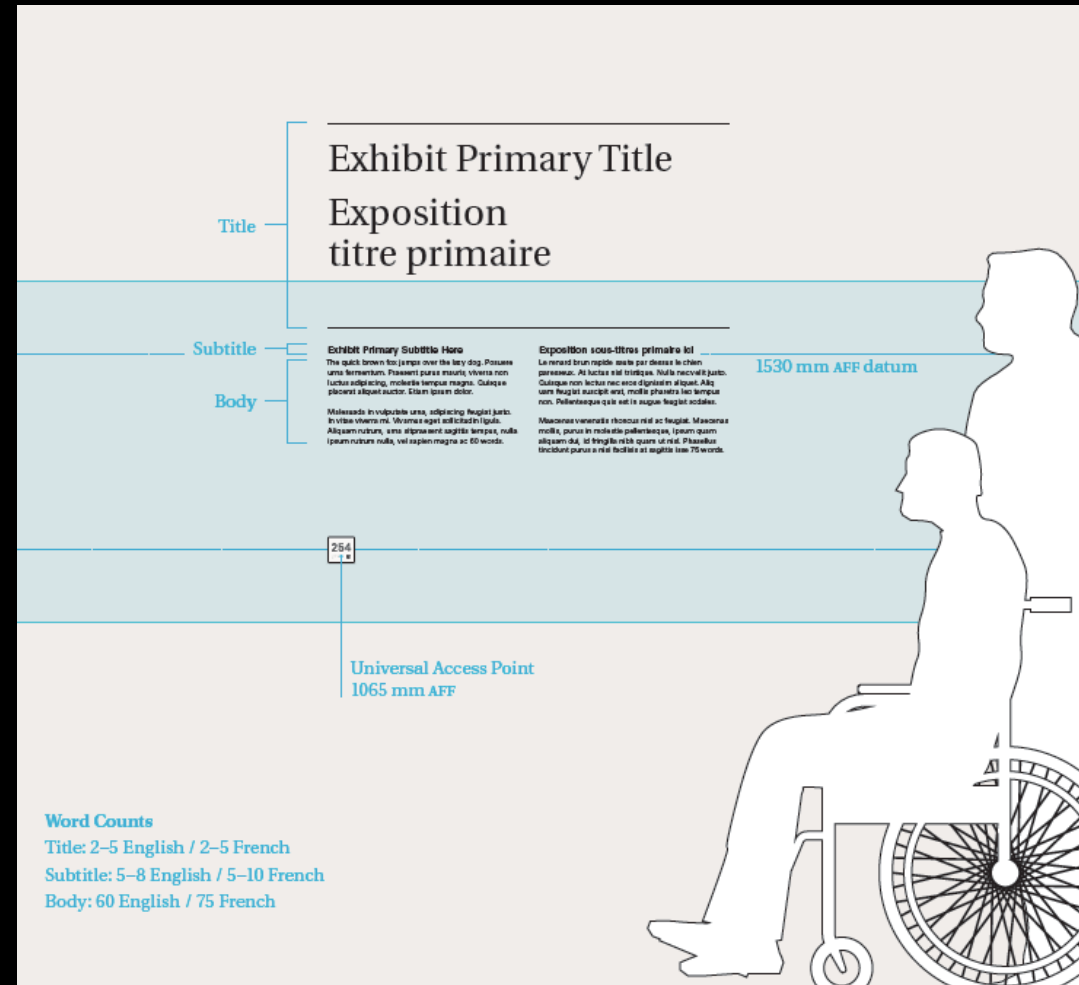
Inclusive Design

Graphic Design



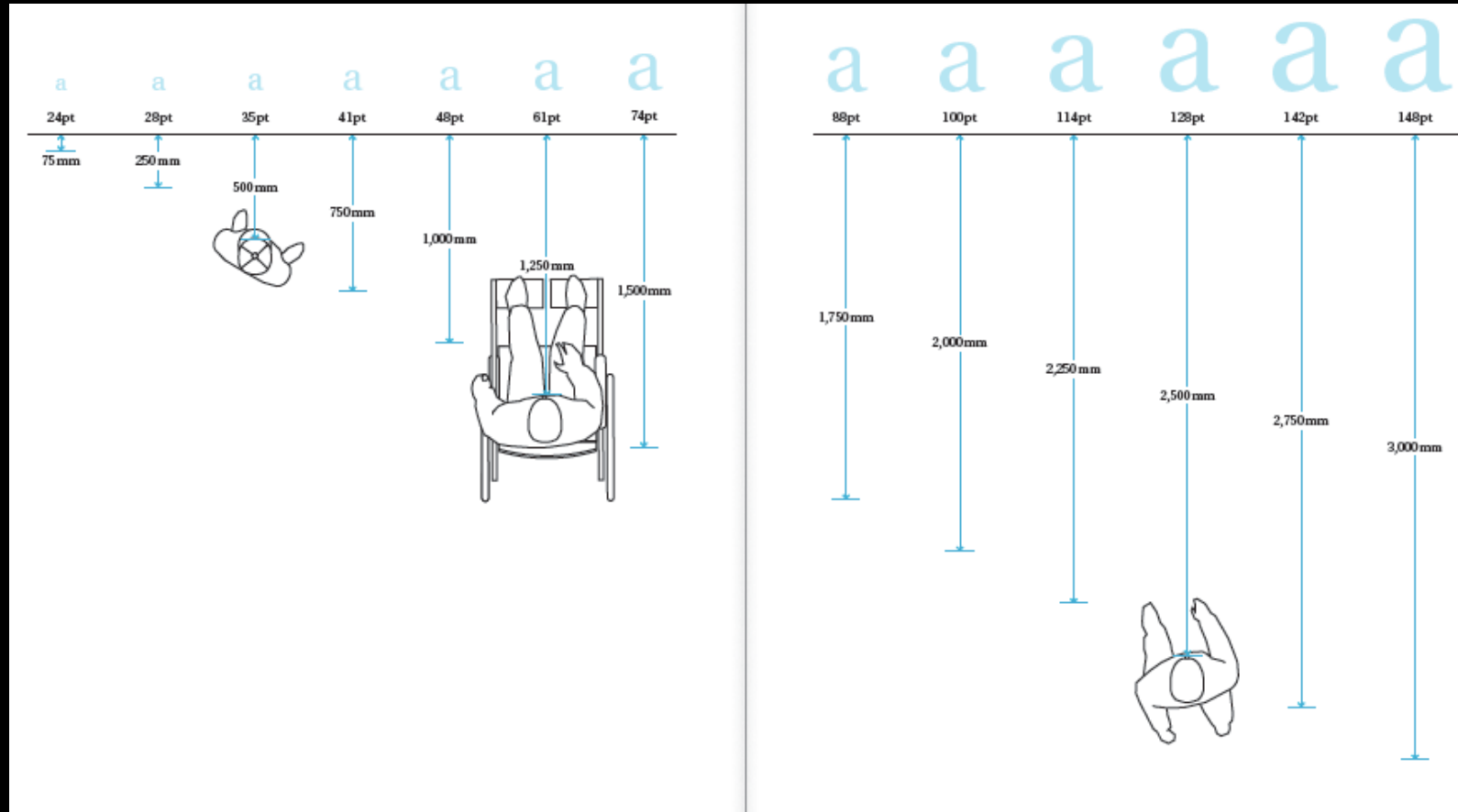
Inclusive Design

Environmental Design



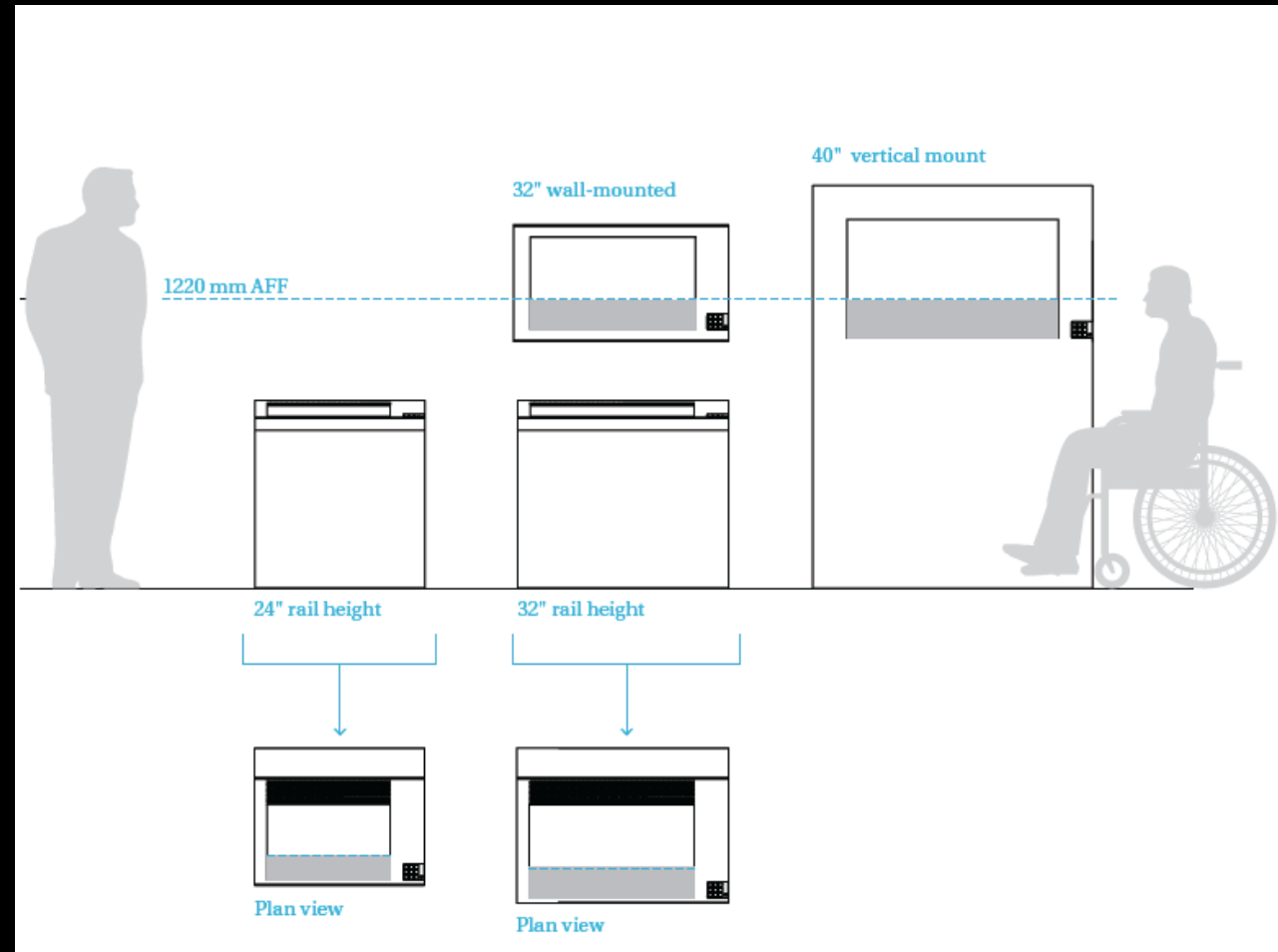
Inclusive Design

Environmental Design



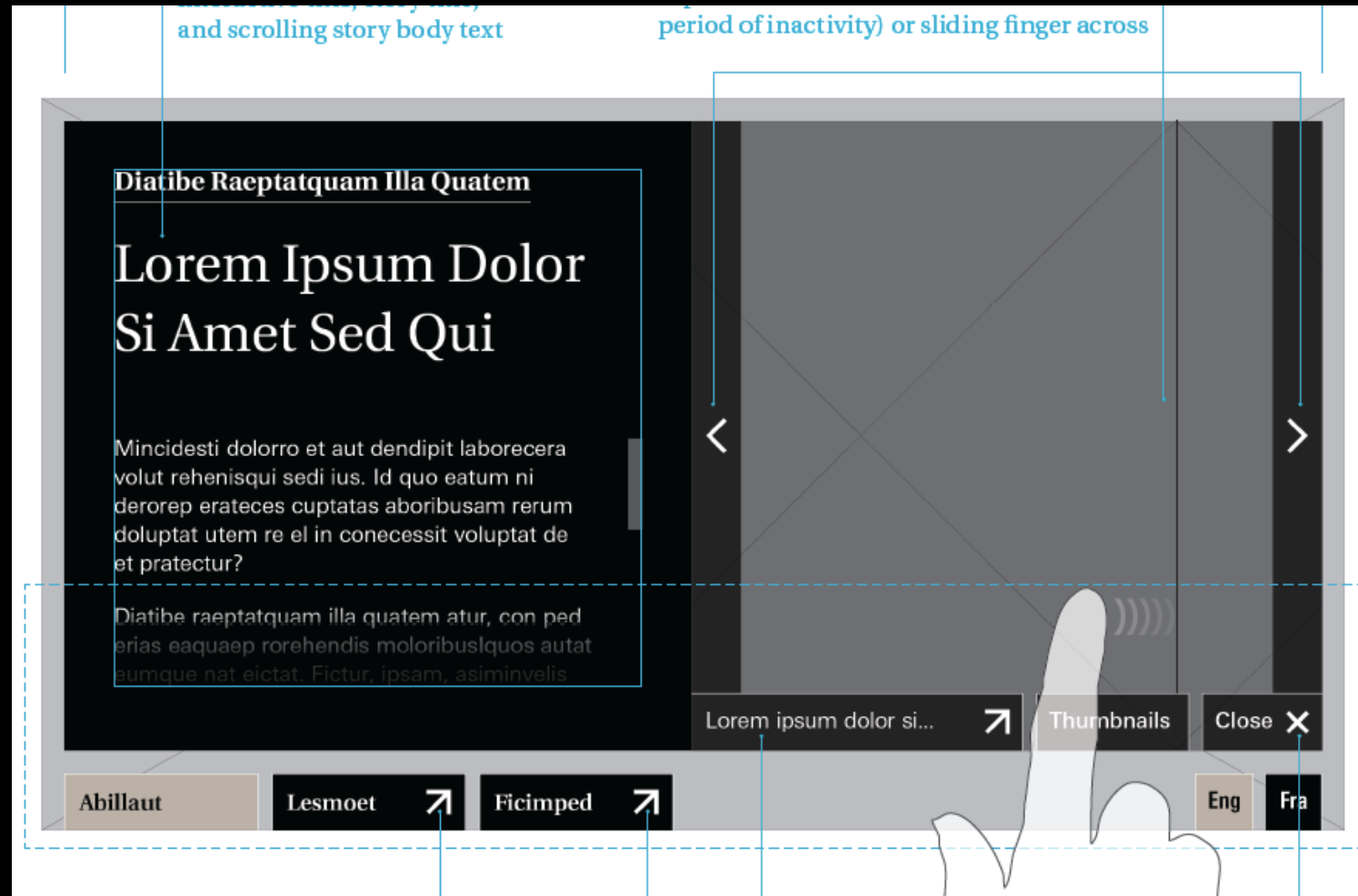
Inclusive Design

Environmental Design



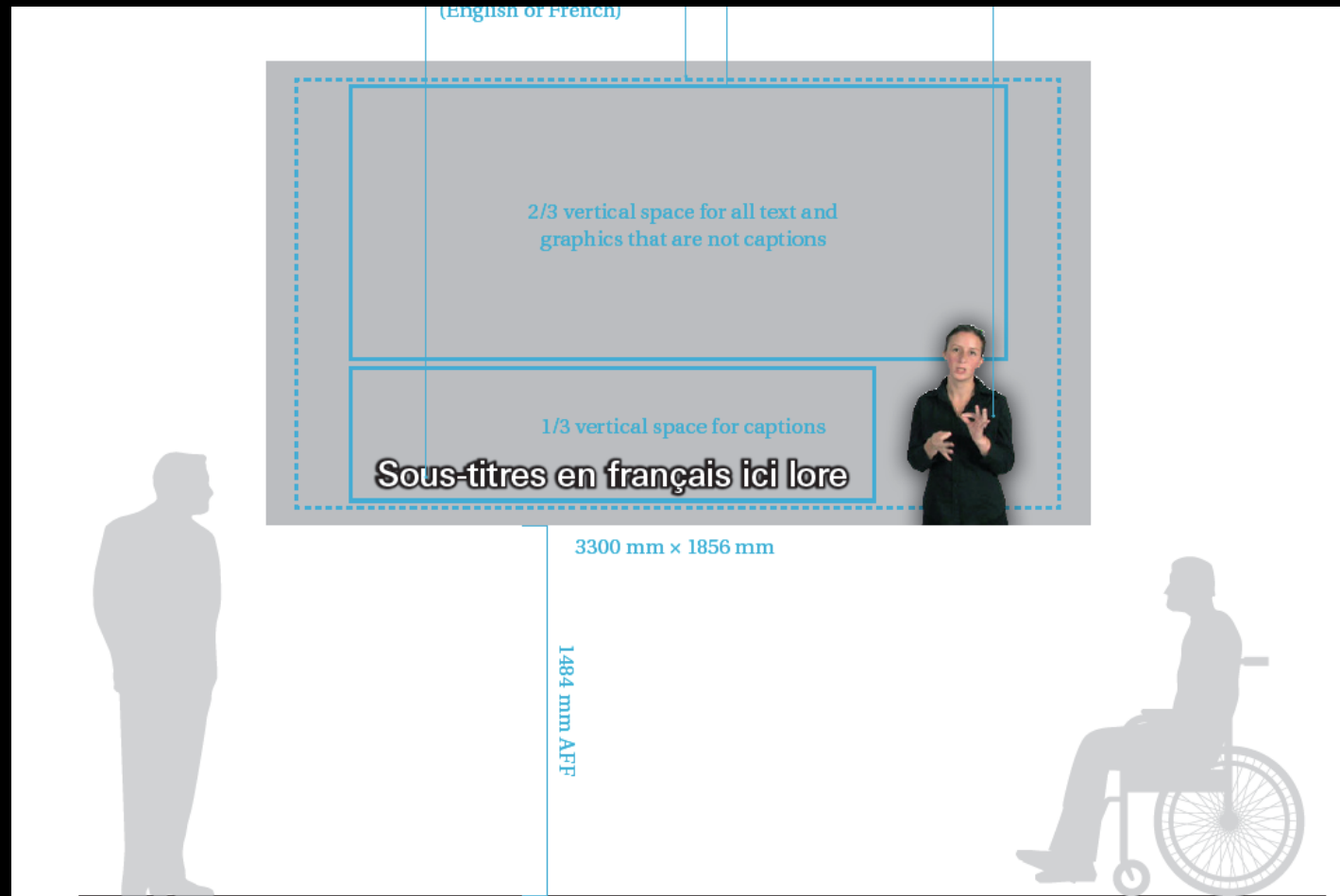
Inclusive Design

Digital Design



Inclusive Design

Media Design



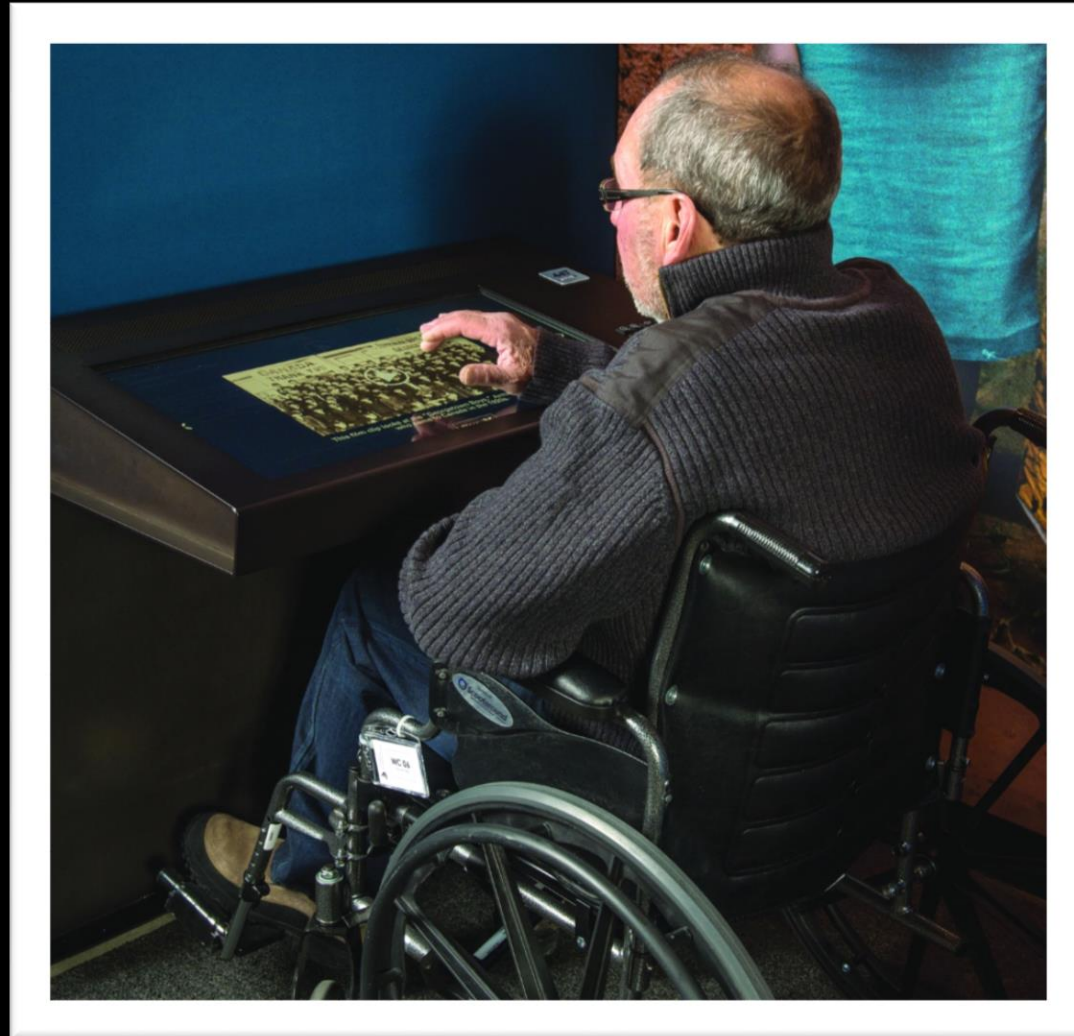
Inclusive Design

Media Design



Inclusive Design

Digital Design



Inclusive Design

Media Design



Inclusive Design

Media Design





Approach

Approach

1. Inclusion

- Advisory councils, working groups, community groups
- Terms, conditions, roles, responsibilities, authorities, etc.

2. Project Structures

- Work Breakdown Structures
- Project Schedules, Budget
- Iterative Design & Production cycles

Approach

3. Contracting

- Explicit language, terms, and deliverables tied to standards
- Audit (3rd party)

4. Prototyping & Testing

- Wash, rinse, repeat

5. Redundancy

- Deliberate

Implications

Prototyping & Testing



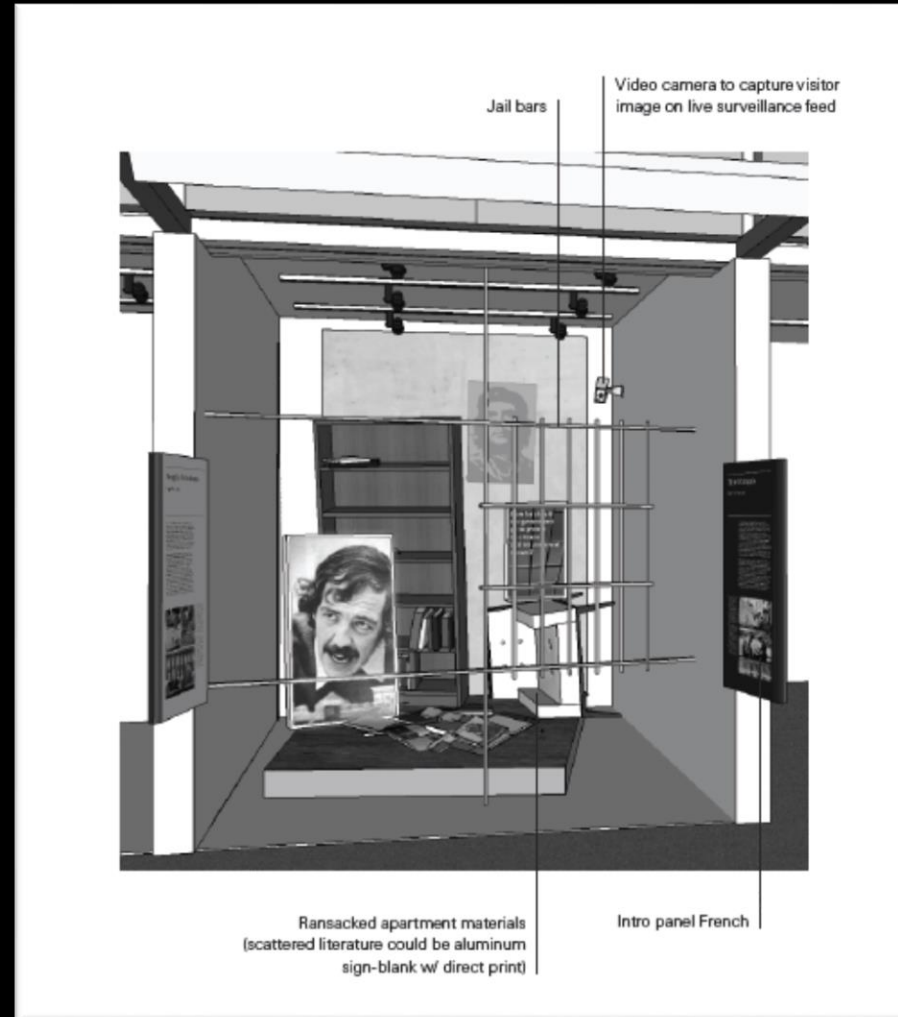
Implications

Prototyping & Testing



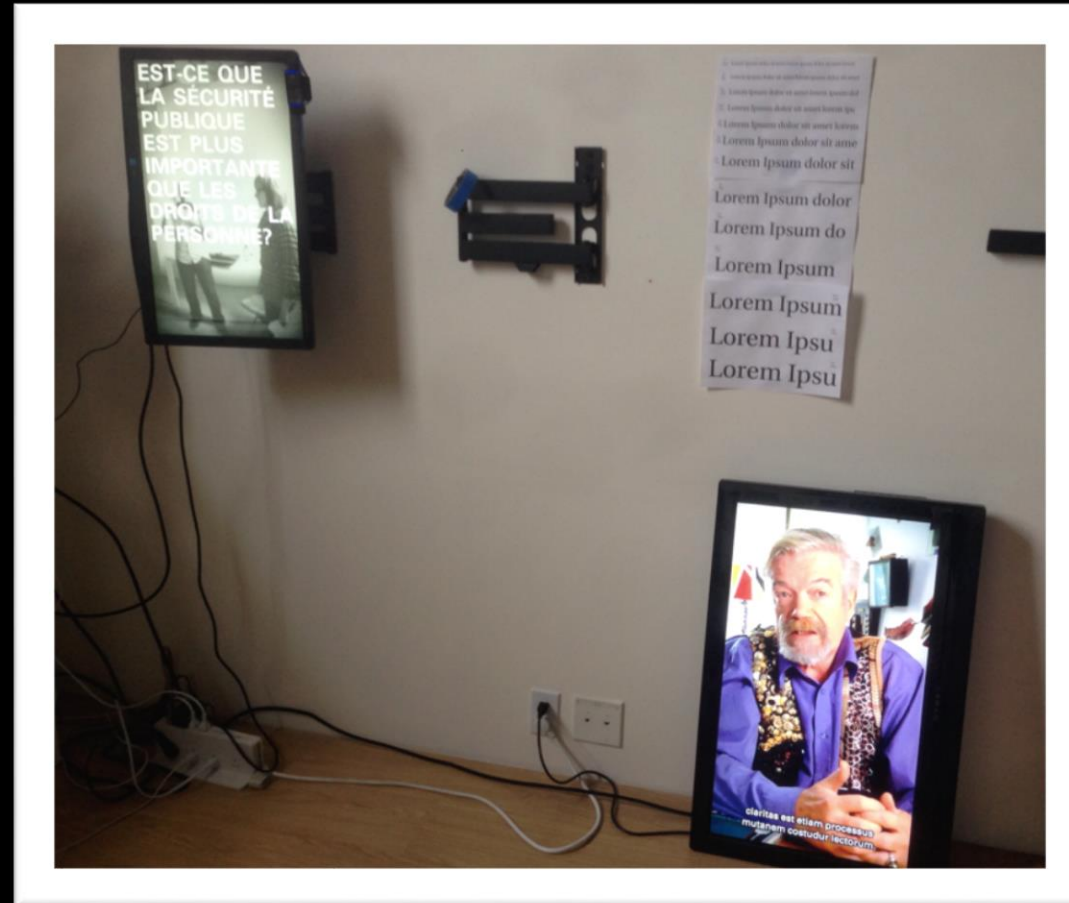
Implications

Prototyping & Testing



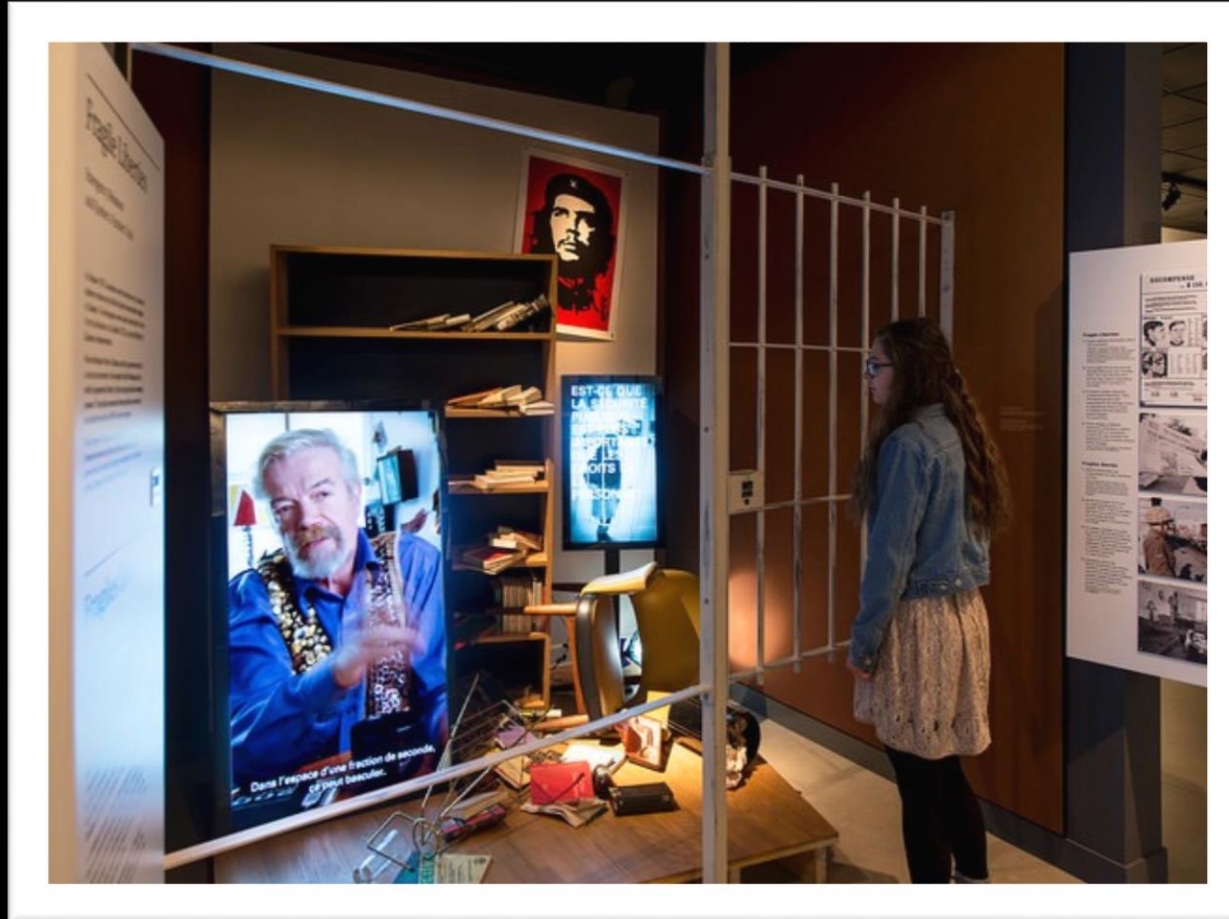
Implications

Prototyping & Testing



Implications

Prototyping & Testing



Implications

Prototyping & Testing



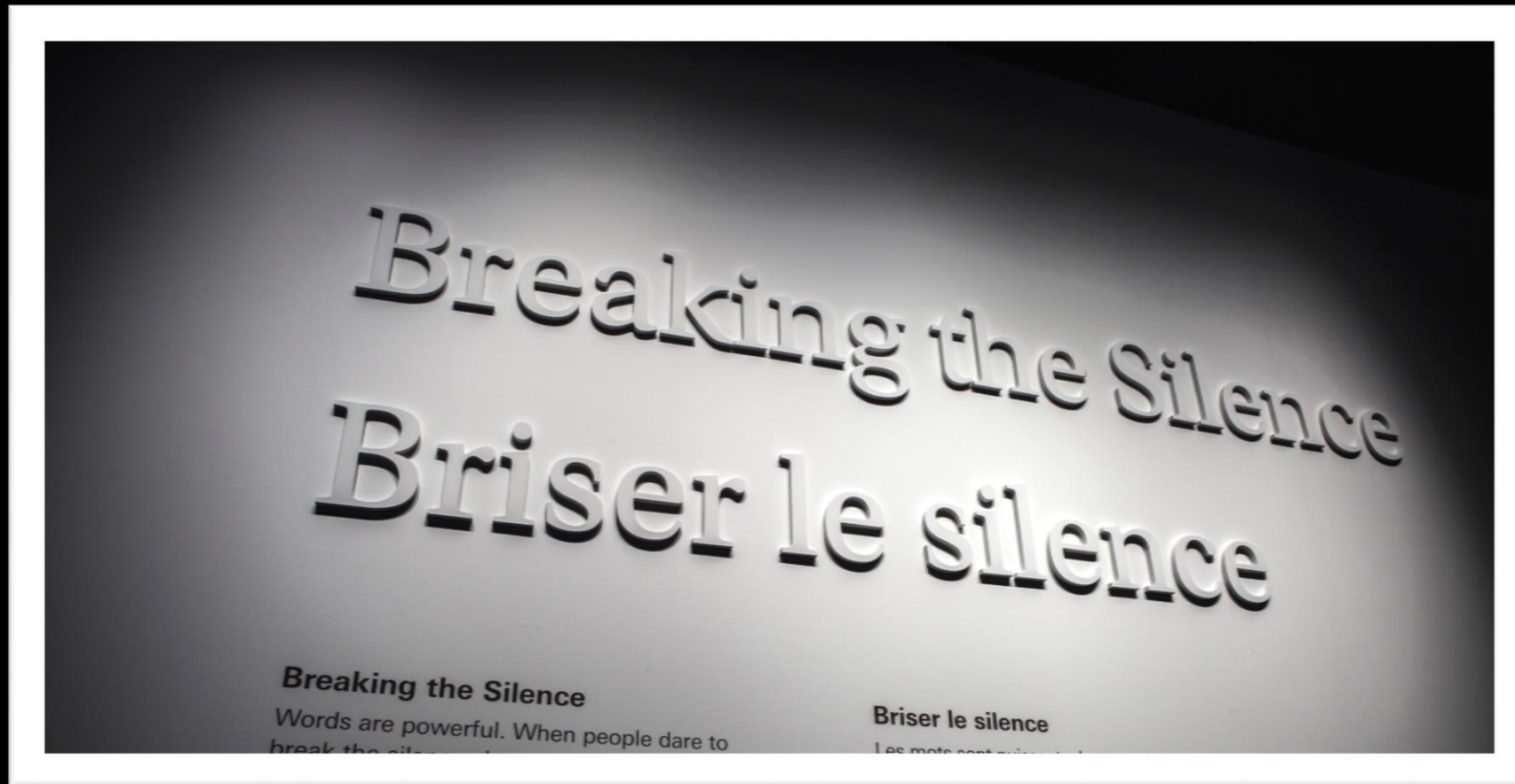
Implications

Prototyping & Testing



Implications

Redundancy



Implications

Redundancy



Innovation

Innovation

Digitally rich environments.

Cloud computing, mobile ubiquity, and big-medium-small data aggregation and access.

Personalized facilitation is a small reach.

“Facilitation” is the key word.
And remember: redundancy.

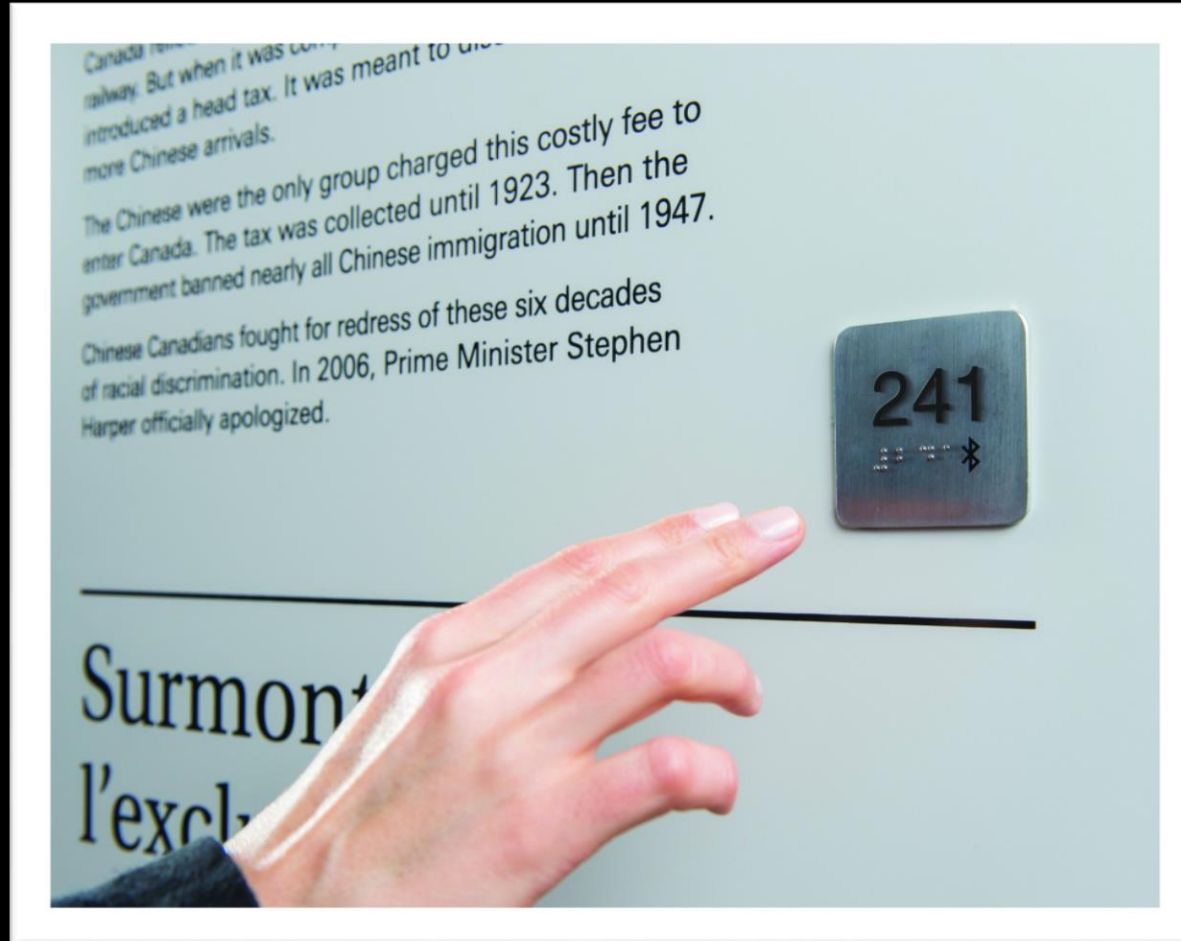
Universal Access Point (UAP)

System of 5 components

1. Cane detectable floor strip
2. Tactile marker
3. Mobile App
4. iBeacon
5. Content Management System

Universal Access Point (UAP)

Tactile marker



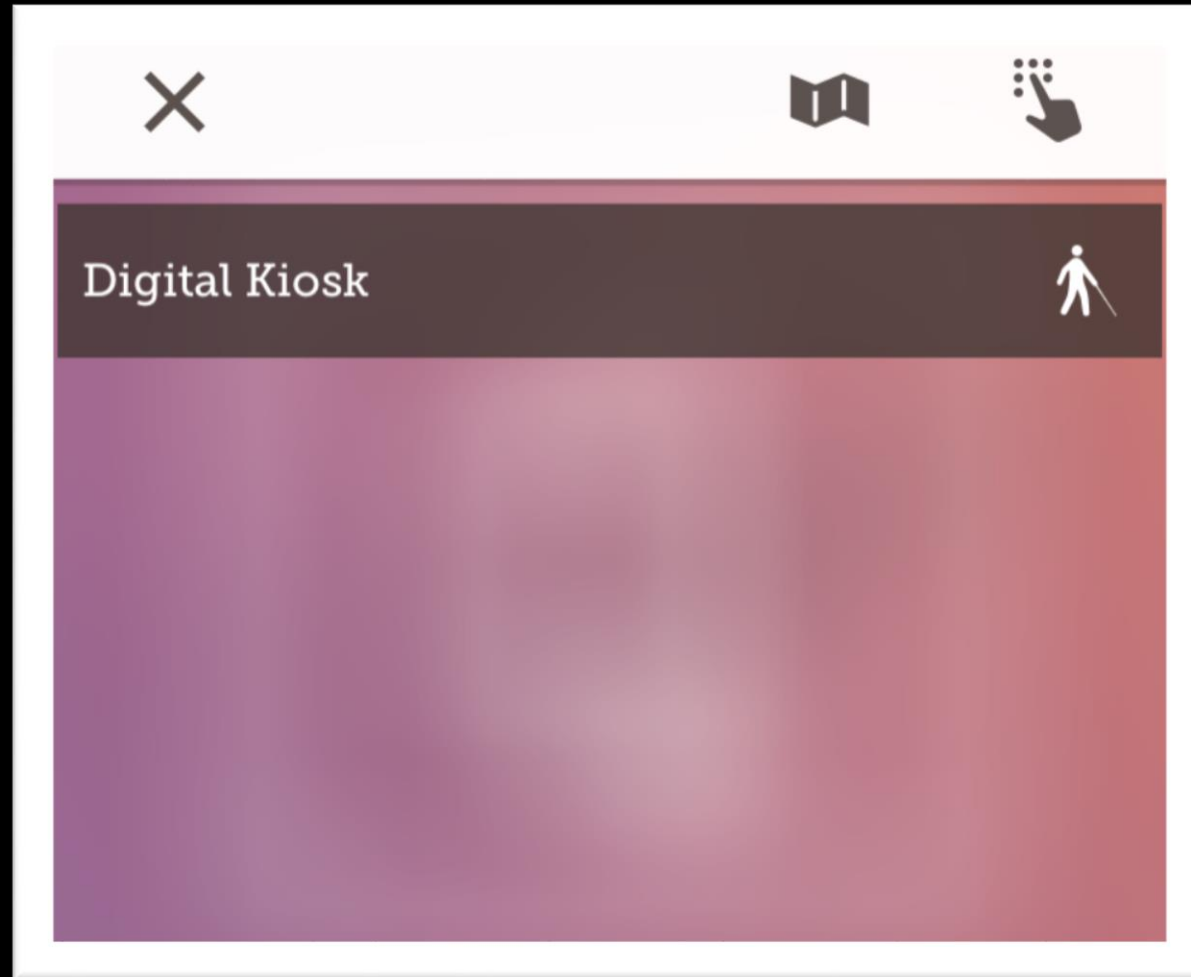
Universal Access Point (UAP)

iBeacon



Universal Access Point (UAP)

Mobile app



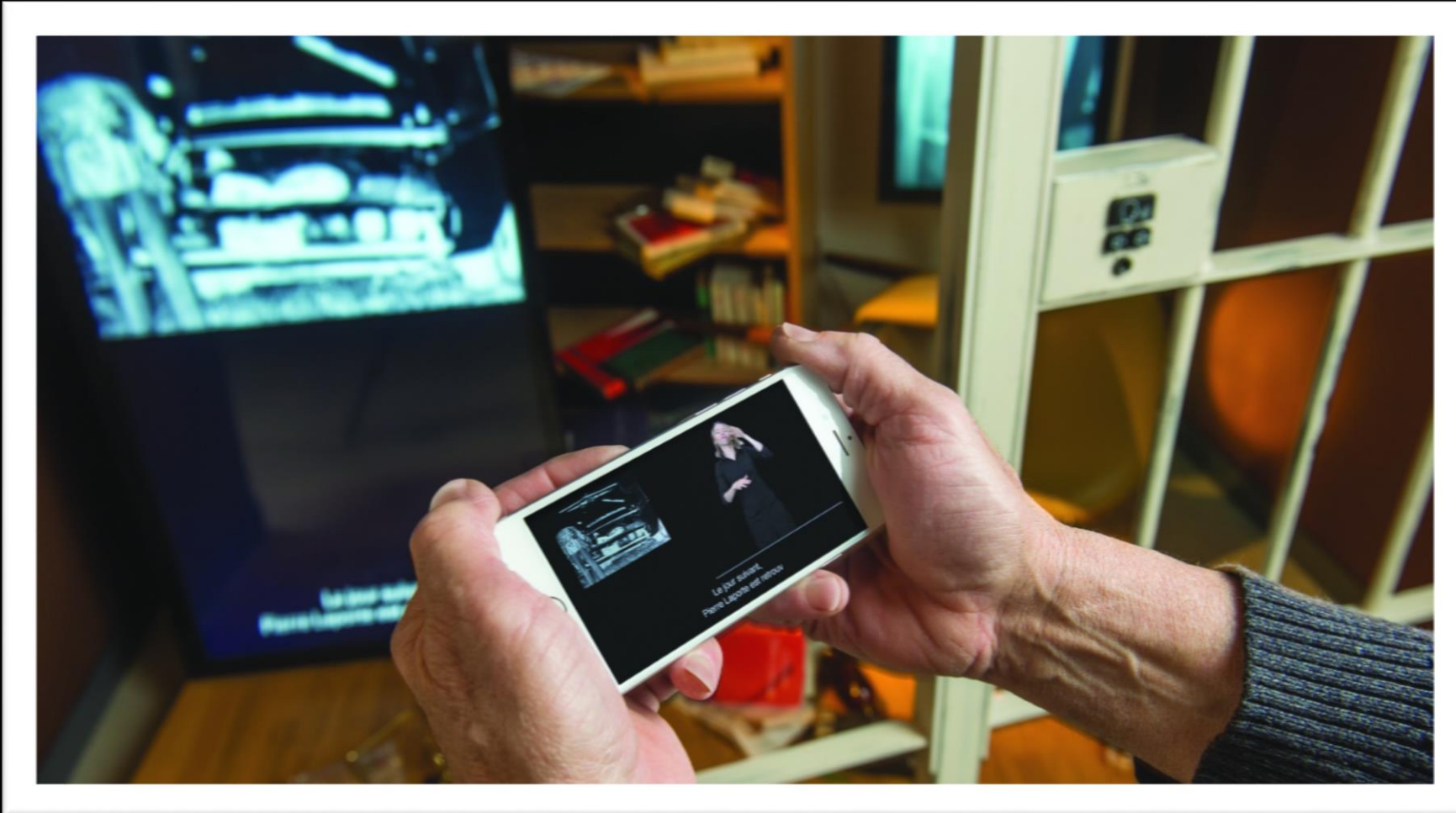
Universal Access Point (UAP)

UAP in mixed-media installation



Universal Access Point (UAP)

UAP Scalability



Universal Keypad (UKP)

Navigation of digital interfaces

Navigation of tangible interfaces

Standardized approach through all instances of digital and physical interaction.

+ zoom, volume control, wrist support

Universal Keypad (UKP)

In-situ UKP-I



Universal Keypad (UKP)

In-situ UKP-I



Final Thoughts

The methodology is the most important. Everything else is an output.

Inclusive design demonstrates a positive ROI (greater audience, increased customer loyalty, wider audience diversity, greater usability for all, etc.).

Thinking about accessibility is a great start, and yet is only a start.



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Questions?

Upcoming Accessibility Webinars

- **Safety, Fire Codes and Accessibility for Creative Spaces**

Tuesday, April 23, 2019

Presenters: Martin Day (Safety Media Inc.) and Marnie Peters (Accessibility Specialist)

- **Invisible Disabilities and Creative Spaces**

Tuesday, May 14, 2019

Presenters: Alex Bulmer (Accessibility Consultant & Actor, Writer and Director) and Andrew Gurza (Disability Awareness Consultant)

You can register for upcoming webinars on our [Learning Series page](#) on our website.

Accessibility Advisory Committee

- Kim Fullerton, Access Visual Art/Akimbo Art Promotions (Co-Chair)
- Luke Anderson, StopGap Foundation (Co-Chair)
- Yvonne Felix, CNIB/Artist
- Amy Ross, City of Waterloo
- Terry Barna, KW Musical Productions
- Shirley Madill, Kitchener Waterloo Art Gallery
- Andrew Gurza, Accessibility Consultant
- Sean Lee, Tangled Art Gallery
- Christine Karcza, Accessibility Consultant
- Kevin Puddister, Dundas Museum & Archives
- Aislinn Thomas, Artist
- Jessica Vellenga, formerly Hamilton Artists Inc.

Acknowledgements and Survey

We would like to thank our accessibility advisory committee and the Government of Ontario for supporting this project.

Kindly complete the survey on today's webinar which will be emailed to all participants shortly.

Thank you for attending – have a great day!