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# Detailing & Documentation

prepared by  
Angela Iarocci  
Sheridan College  
SEGD Academic Task Force  
02.28.2018

SEGD Training Module

Introduction to EGD

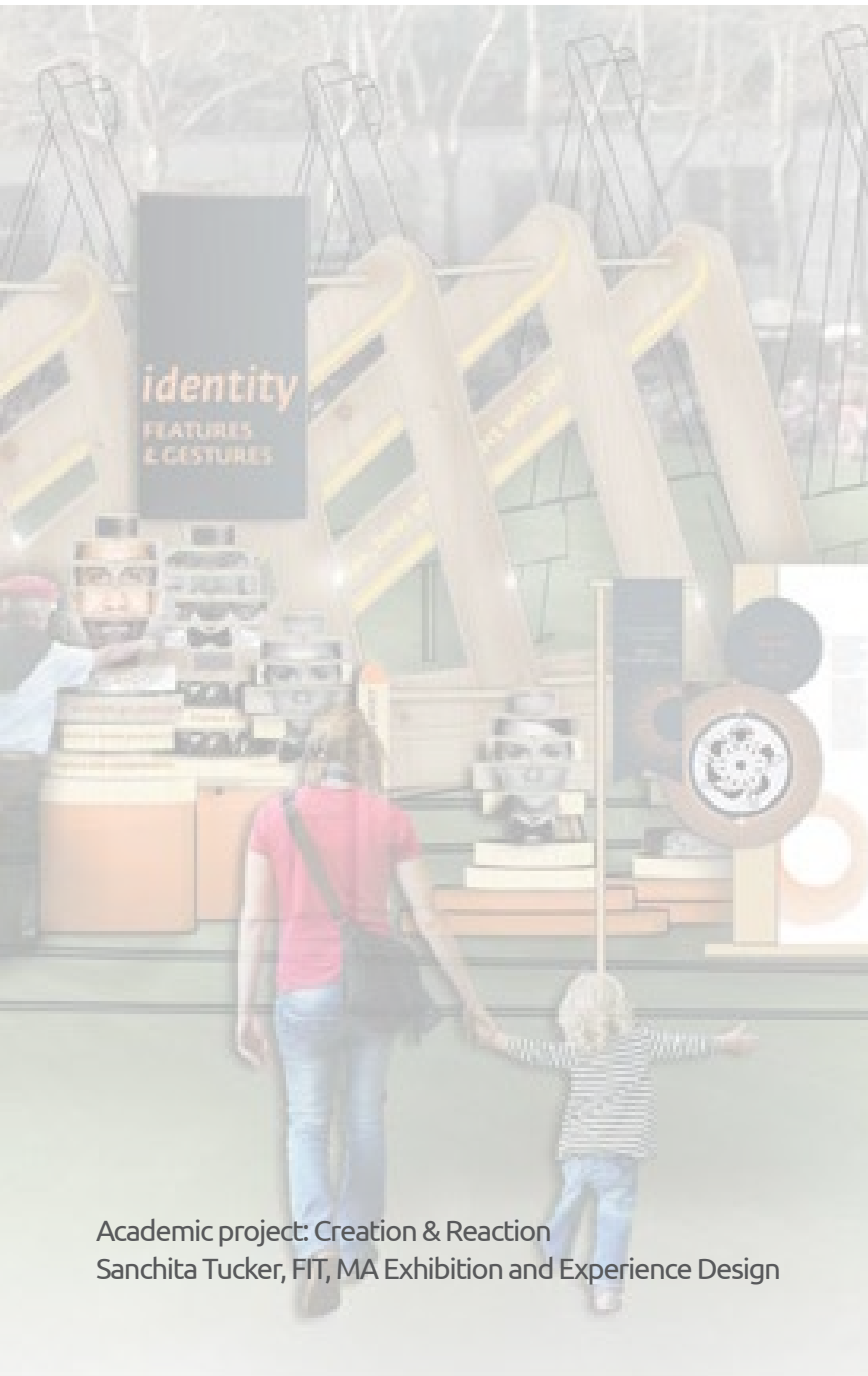
# Overview



Detailing involves developing a conceptual design to determine form, structure, materials, graphic/digital elements, components and assemblies. The objective is to clearly communicate design intent for accurate fabrication, installation and implementation through scale drawings, models, technical specifications and other types of documentation.

Established drawing conventions and explanatory written specifications are used to ensure there is a clear translation of the detailed design into built form.

# Overview

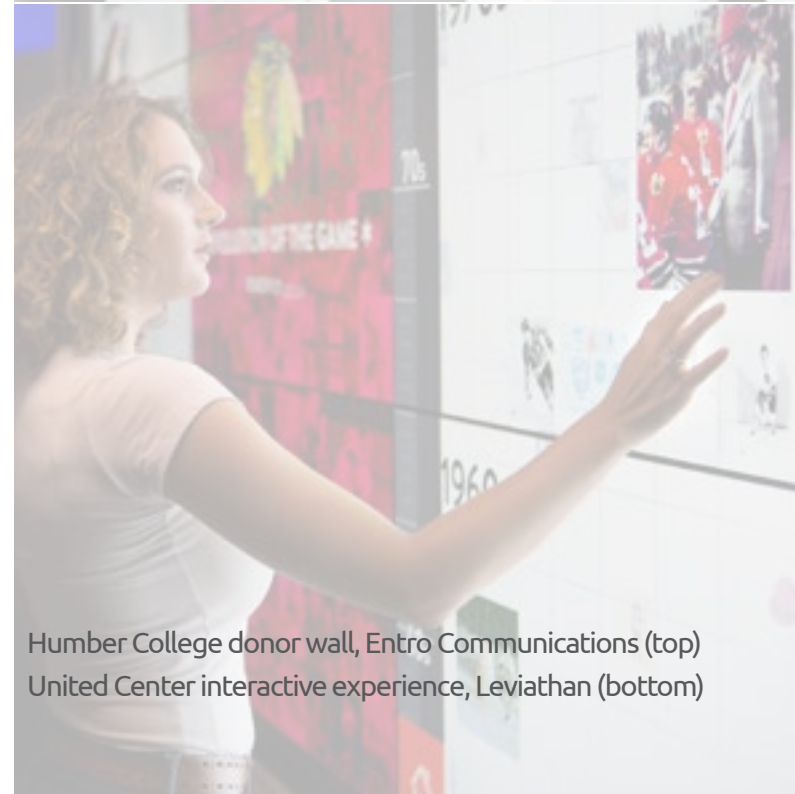


Academic project: Creation & Reaction  
Sanchita Tucker, FIT, MA Exhibition and Experience Design

Designers must also consider sustainability, inclusive design (accessibility) requirements and relevant government mandated codes and standards. Typically, design intentions are balanced with considerations of budget, logistics and implementation schedules without compromising potential innovative solutions that can emerge during the detailing process.

# Learning Outcomes

- Refine design concepts based on selection of appropriate materials, media and production processes to meet project objectives.
- Create drawings, visualizations and models at multiple scales to communicate detailed designs to fabricators, project team and stakeholders.
- Develop clear, concise written specifications to support visual documentation.
- Integrate knowledge of relevant codes, bylaws and professional standards within the design detailing process.



Humber College donor wall, Entro Communications (top)  
United Center interactive experience, Leviathan (bottom)

# Case Studies per practice area



## Wayfinding

Entro Communications

[Fifth Avenue Place](#) (selected drawings)

[Brookfield Place](#) (selected drawings)



## Wayfinding

Cardosi Kiper Design Group, Fabricator: Allen Industries

[University of Notre Dame Stadium](#)



## Wayfinding

Urban Sign, Design & Drawings: Keith Davis

Fabricator: Urban Sign

[Phoenixville Information Kiosk](#)

# Case Studies per practice area



## Placemaking & Identity

Acorn Sign Graphics, Designer: Chris Whitmore

Fabricator: Acorn Sign Graphics, Drawings: Keith Davis

[Riverlights](#)



## Placemaking & Identity

Urban Sign, Designer: cvedesign

Fabricator: Urban Sign, Drawings: Keith Davis

Photos: Halkin | Mason Photography

[Cira Centre South](#)



## Placemaking & Identity

Acorn Sign Graphics, Designer: Chris Whitmore

Fabricator: Acorn Sign Graphics, Drawings: Keith Davis

[Bexley by Newland Communities: Part 1 & Part 2](#)

# Case Studies per practice area



## Interactive Experience & Digital Content

**Leviathan**

Selected projects



## Interactive Experience

**Julia Seo**

[Resource Garden](#) (academic project)

York University/Sheridan College Program in Design



## Exhibition Design

**Lee H. Skolnick Architecture + Design Partnership**

[Discovery Zone at the Florida Museum of Natural History](#)



# Case Studies per practice area



## Exhibition Design

**Sanchita Tucker**

[Creation & Reaction](#) (academic project)

Fashion Institute of Technology, MA Exhibition and Experience Design

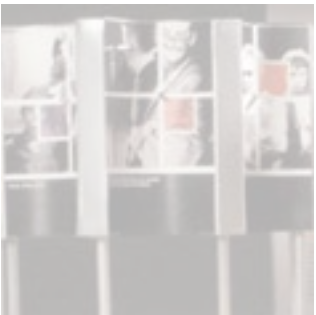


## Exhibition Design

**Sergei Vasilov**

[Crew Camp](#) (academic project)

Fashion Institute of Technology, MA Exhibition and Experience Design



## Selected Academic Projects

[Kent State University](#)



# Resources

## SEGD Courses

<https://segd.org/2015-podcast-detailing-101>

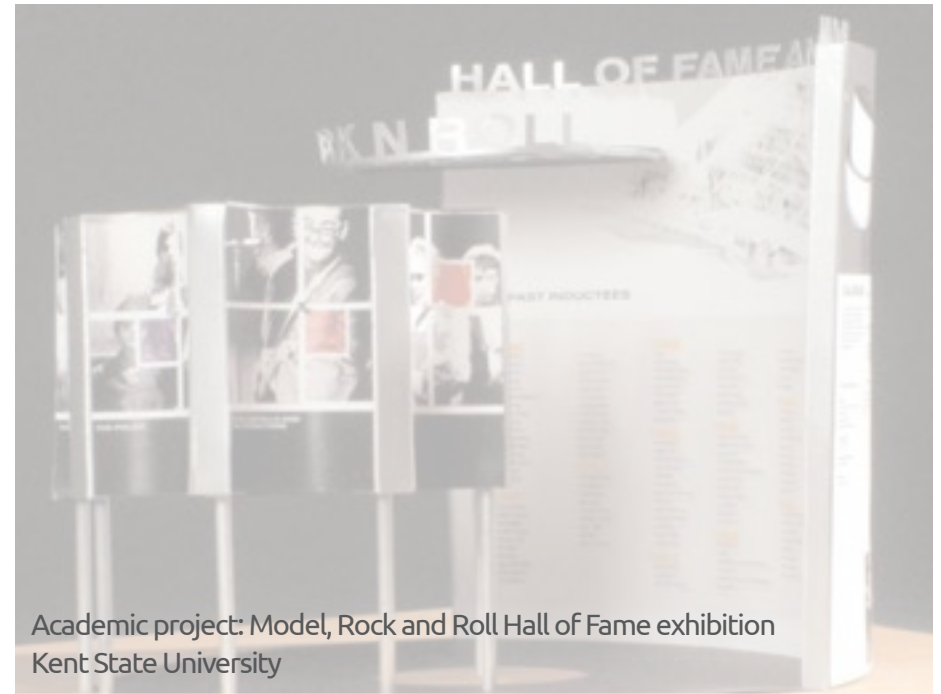
<https://segd.org/podcast-developing-better-design-intent-documentation>

<https://segd.org/podcast-logical-document>

<https://segd.org/podcast-developing-documentation-process>

<https://segd.org/podcast-linear-approach-design-documentation>

<https://segd.org/link/best-case-documents-museum-exhibits>



Academic project: Model, Rock and Roll Hall of Fame exhibition  
Kent State University



Academic project: Interactive kiosk walk-through  
Yvonne Ho, York/Sheridan Program in Design

# Resources

## Professional Examples

### CAD drawings

Free access to CAD drawings for EGD related elements; need to create account

Example: <https://www.caddetails.com/CAD-Drawings/MasterFormat/signage/10-14-00>

### Carter and Burgess Inc.

Aspen / Pitkin County Airport, Aspen, CO

[Design Intent & Specifications for Exterior Signage \(PDF\)](#)

### City of Boulder, CO

Signage technical drawings

<https://bouldercolorado.gov/plan-develop/chapter-11-technical-drawings>

### Cleveland Clinic, Beachwood, OH

[Interior Sign Standards Manual, Selection and Specification Guide \(PDF\)](#)

### Corbin Design

Indiana University-Purdue / University of Fort Wayne, Interior Wayfinding Signage

[Design Intent Drawings \(Campus-wide Interior Sign Standards\) \(PDF\)](#)

### Daniel L. Meredith, The NASCAR Hall of Fame

<http://daniellmeredith.com/NASCAR-Hall-of-Fame>

### fwdesign, Brocklehurst, UK, <http://www.fwdesign.com>

Web site has extensive documentation of wayfinding projects, including design intent drawings

Product lines for signage systems with specification/documentation

<http://www.fwdesign.com/product>

### Form : Media, <http://www.form-media.ca>

University of Victoria, BC, Canada

[Pedestrian Wayfinding System \(PDF\)](#)

### University of Minnesota

[Facilities Signage and Graphics Standards \(PDF\)](#)

### KRD Design, Keith Davis

<http://www.krddesign.com/>

### Laura Sheedy, Exhibition Interface Design

<http://www.laurasheedy.design/my-work-1/>

### Museumplanner.org

Article about museum exhibition design process

<https://museumplanner.org/museum-exhibition-design-2/>

### Smithsonian Facilities Architect-Engineer Information Center

Documents on codes and standards, construction specifications and accessibility requirements.

[http://www.sifacilities.si.edu/ae\\_center/index.asp](http://www.sifacilities.si.edu/ae_center/index.asp)

[http://www.sifacilities.si.edu/ae\\_center/design-accessibility.html](http://www.sifacilities.si.edu/ae_center/design-accessibility.html)

### V&A Museum, London UK

[10 Point Guide to Writing Museum Text \(PDF\)](#)

# Resources

## Architecture/Interior Design

Allen, Edward and Joseph Iano. *Fundamentals of Building Construction: Materials and Methods*. 6th ed., Wiley, 2013.

Allen, Edward and Patrick Rand. *Architectural Detailing: Function, Constructibility, Aesthetics*. 3rd ed., Wiley, 2016.

Ballast, David Kent. *Interior Construction & Detailing for Designers & Architects*. 6th ed., Professional Publications, Inc., 2013.

Bingeli, Corky. *Interior Graphic Standards: Student Edition*. 2nd ed., Wiley, 2011.

Borden, Gail Peter and Michael Meredith, eds. *Matter: Material Processes in Architectural Production*. Routledge, 2012.

Borden, Gail Peter, ed. *Process: Material and Representation in Architecture*. Routledge, 2014.

Ching, Francis D.K. *Building Construction Illustrated*. 5th ed., Wiley, 2014.

Ching, Francis D.K. and Steven P. Juroszek. *Design Drawing*. 2nd ed., Wiley, 2010.

Ching, Francis D.K. and Steven R. Winkel. *Building Codes Illustrated: A Guide to Understanding the 2015 International Building Code*. 5th ed., Wiley, 2016.

Ching, Francis D.K. and Ian M. Shapiro. *Green Building Illustrated*, 3rd ed., Wiley, 2014.

Corser, Robert, ed. *Fabricating Architecture: Selected Readings in Digital Design and Manufacturing*. Chronicle Books, 2012.

Hall, Dennis J., ed. *Architectural Graphic Standards*, 12th ed., American Institute of Architects/Wiley, 2016.

Kilmer, Rosemary and W. Otie Kilmer. *Construction Drawings and Details for Interiors*. 3rd ed., Wiley, 2016.

Kolarevic, Branko and Kevin Klinger, eds. *Manufacturing Material Effects: Rethinking Design and Making in Architecture*. Routledge, 2013.

Kolarevic, Branko and Vera Parlac, eds. *Building Dynamics: Exploring Architecture of Change*. Routledge, 2015.

Piotrowski, Christine M. and Elizabeth A. Rogers. *Designing Commercial Interiors*. 3rd ed., Wiley, 2016.

Wienand, Norman. *Materials, Specification and Detailing: Foundations of Building Design (Technologies of Architecture, Volume 3)*. Taylor & Francis, 2008.

Birkhäuser Publishers  
DETAIL book series (various topics) – Architecture and interior design focus  
[https://shop.detail.de/eu\\_e/detail-books.html](https://shop.detail.de/eu_e/detail-books.html)

DETAIL is an international journal dedicated to architecture and construction details.  
[https://shop.detail.de/row\\_e/](https://shop.detail.de/row_e/)  
<https://www.detail-online.com>

# Resources

## Museum/Exhibition Design

Bogle, Elizabeth. Museum Exhibition Planning & Design. AltaMira Press, 2013.

Burke, Phillip. Exhibition Design. Laurence King Publishing, 2010.

Lord, Barry and Maria Piacente, eds. Manual of Museum Exhibitions. 2nd ed., Rowman & Littlefield Publishers, 2014.

## Wayfinding/Signage

Calori, Chris and David Vanden-Eynden. Signage and Wayfinding Design: A Complete Guide to Creating Environmental Graphic Design Systems. 2nd ed., Wiley, 2015.

Uebele, Andreas. Signage Systems and Information Graphics. Thames and Hudson, 2010.

## User Experience

Faranello, Scott. Practical UX Design. Packt Publishing, 2016.

## Acknowledgements

Many thanks to contributors of content for this workbook:

Entro Communications, Cynthia Damar-Schnobb

FIT, MA Exhibition and Experience Design, Christina Lyons

KRD Design, Keith Davis

Lee H. Skolnick Architecture + Design Partnership

Leviathan, Jason White

SEGD, Justin Molloy

York University/ Sheridan College Program in Design, Julia Seo



Phoenixville Information Kiosk

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