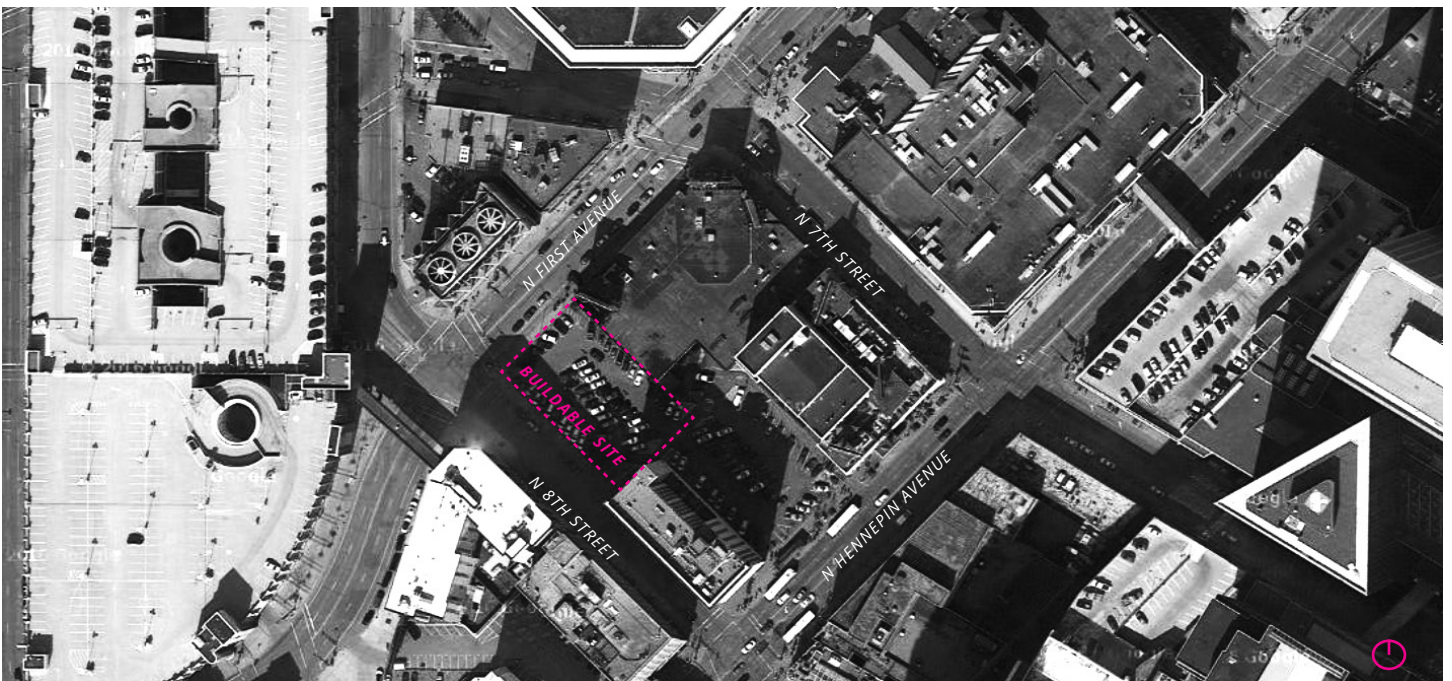


ARCH 451: ARCHITECTURE STUDIO II

2.0 THE TRANSLATION



Section boxes made in Revit 2018 through the Agricultural Heritage Museum | ARCH 551 | Fall 2018



Buildable Site in downtown Minneapolis, MN at the corner of N First Avenue and N 8th Street | ~96'-6" x 153'-0" | Not to Scale

SUBJECT *There was never any doubt that the music (performances) would be at First Avenue, as far as I know...The story is about Prince, Apollonia, Morris Day and First Avenue. By using this club as some sort of mythical land where bands became famous...Prince made the club famous."*

- Bobby Z, Prince and the Revolution Drummer

The Translation focuses on the translation of the previous constructional performance to a new site, a small parking lot behind the infamous First Avenue Night Club. The first performance, *The Four Misuses*, presented a method for examining the ontological transition from orthographic drawing and modeling to post-orthographic imaging, the impacts of automated processes, and the role of implementing sectional practices in a post-orthographic setting by critically examining specific tools and commands used in Revit. We will continue to work through constructional images in order to manifest constructional material conditions and constructional narratives.

The location of the site is in downtown Minneapolis, MN at the corner of N First Avenue and 8th Street. The buildable site lies at a historical, social, and cultural nexus within the city. It lies directly southwest of the famous First Avenue Night Club and the Pantages Theatre. It is within walking distance to Target Center and Target Field. The buildable site dimensions measure approximately 96'-6" x 153'-0".

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SCHEDULE	Week 09:	M.	10/21	Misuse 01 & Misuse 02
		W.	10/23	Jessica Absent - Iowa State Lecture
		F.	10/25	Read <i>FORD_The Architectural Detail_Ch 4</i> Misuse 01 Due
	Week 10:	M.	10/28	Misuse 02
		W.	10/30	Misuse 02
		F.	11/01	Misuse 04
	Week 11:	M.	11/04	Read <i>HUGHES_The Architecture of Error- Intro.</i> Misuse 04
		W.	11/06	Misuse 04
		F.	11/08	Misuse 04
	Week 12:	M.	11/11	No Class - Veterans' Day Holiday
		W.	11/13	Read <i>MAY_Everything is Already an Image</i> Misuse 03
		F.	11/15	Misuse 03
	Week 13:	M.	11/18	Misuse 03
		W.	11/20	Misuse 03
		F.	11/22	Misuse 03
	Week 14:	M.	11/25	Review "The Translation"
		W.	11/27	No Class - Thanksgiving Recess
		F.	11/29	No Class - Thanksgiving Recess

The schedule will work in accordance with the course website. Details will be outlined in each class session.

PROCEDURES & METHODS

The procedures and methods for The Translation are not mutually exclusive. They will weave and push against one another as the project unfolds.

Constructional Performance Apparatus: Constructional performances will be explored through the continual construction of a constructional performance apparatus. The apparatus will include a shared imaging space, a shared screen, and a single desk. The apparatus will be reviewed at the end of the project as part of each team's performance.

1- Shared Imaging Space (27 Students):

- Share with ARCH 451, Section 2.
- Darken for projection.
- Hold lectures and discussions surrounding the readings and tools.

2- Shared Screen (2 Students):

- Establish an existing surface in the beginning of the project.
- Alter the existing screen
- Build no larger than 3'-0"l x 3'-0"w x 8'-0"h.

3- Single Desk (1+ Students):

- Include a computer with a working version of Revit and a Box Folder.
- Label files according to Date_Title (i.e. 190828_Section Cut 3).
- Use assigned templates that may be altered through experimentation.

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PROCEDURES & METHODS CONTINUED

MISUSE 01: Establish a work plane in the vertical orientation for sectional elements to attach to. In Revit, the default work plane is in plan. Misuse 01 works against the tool by establishing a default work plane in section.

MISUSE 02: “Draw” (model) section cuts upon the established work plane using model and detail lines. In Revit, sections are constructed by attaching system, loadable, or in-place families to the default work plane in plan and then cutting the families using a section box. Misuse 02 works against the tool by establishing a pseudo-orthographic method.

1- The Architectural Detail:

- Read *FORD_The Architectural Detail_Ch 4*.
- Define selective detailing, animated joint, articulated joint, adjacent joint, dissonant joint, autonomous detail, system family, loadable family, in-place family, displaced views, cut views, stitched views, and section box.

2- Constructional Material Conditions:

- Interrogate elements, materials, and spaces of the site.
- Document what exists by cutting sections through the building site.
- “Draw” section cuts through the existing building.

3- Constructional Narratives:

- Establish a part to whole relationship between the existing and new through the Constructional Performance 1 detail.
- Program the transition by changing awareness in engagement.

MISUSE 04: Present layered images upon a represented layered physical screen.

In Revit, the digital model is presented as a dynamic projection or a set of static, pseudo-orthographic views. Misuse 04 works against the tool by combining representational, orthographic media and presentational, post-orthographic media in order to think through automation, scalelessness, and notational deletion.

1- The Architecture of Error:

- Read *HUGHES_The Architecture of Error- Intro*.
- Define precision and error.

2- Constructional Performances:

- Decide what to present as image and what to represent as physical.
- Decide what to cut, suppress, hide, reveal, and articulate.
- Sequence and animate the constructional images.
- Narrate the performance verbally, textually, or both.
- Diagram and document the performance.

MISUSE 03: Layer the “drawn” (modeled) section cuts with the modeled section cuts by modeling system, loadable, or in-place families and cutting them with a section box.

In Revit, section cuts are made using automated section boxes in 3d or by cutting through a plan. Misuse 03 works against the tool by layering two methods for making section cuts in order to slow the process for seeing and constructing sections.

1- Everything is Already an Image:

- Read *MAY_Everything is Already an Image*.
- Define representation, orthography, drawings, presentation, pseudo-orthography, post-orthography, images, automation, modeled lines, modeled elements, displaced elements, and cut elements.

2- Constructional Images:

- Develop images in order to interrogate the material conditions of the site.
- Add public space, no more than 6,000sf, south of the existing building.

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MATERIALS Materials will be needed for constructing the Constructional Performance Apparatus.

- 1- Shared Imaging Space
 - Black-out film
 - Projectors + adapters
- 2- Shared Screen*
 - Dimensioned lumber
 - Material(s) to project upon
 - * Materials depend upon the representational intentions of the student
- 3- Single Desk
 - Computer
 - Revit 2019 or 2020
 - Box Folder (to be assigned)

KEYWORDS

- Precision:
- Error:
- Representation:
- Orthography:
- Drawings:
- Presentation:
- Pseudo-orthography:
- Post-orthography:
- Image:
- Automation:
- Modeled lines:
- Modeled elements:
- Displaced Elements:
- Cut Elements:
- Selective Detailing:
- Animated Joint:
- Articulated Joint:
- Adjacent Joint:
- Dissonant Joint:
- Autonomous Detail:
- System Family:
- Loadable Family:
- In-Place Family:
- Displaced Views:
- Cut Views:
- Stitched Views:
- Section Box:

No more drawings, only images. No more orthography, only telematics. No more points, only addresses. No more lines, only associations. No more geometry, only statistics. No more syntax, only source code. No more tectonics, only commands. No more machines, only apparatuses. No more subjects, only users. No more stasis, only animation. No more research, only search. No more contemplation, only transmission. No more representation, only presentation. No more perception, only sensation. No more aesthetics, only physiology. No more history, only archiving. No more future, only probabilities. No more signification, only signalization.

- John May in *Everything is Already an Image*