



ARCH2431 Building Tech III

NOTES 02- Components of a stair

**DESCRIPTION**

The objective of this assignment is to engage in research and apply what you have learned to the construction of a stair for the current project. Search for information and images that show options for materials for the different components of a stair & handrail assembly including the stringer, step, nosing, newel posts, etc. The primary structural support components are to be of steel but other components including the treads and handrails can introduce other materials including wood.

**NAAB SC OBJECTIVES**

**Mastered:**

SC.4 Technical Documentation

How the program ensures that students understand the established and emerging systems, technologies, and assemblies of building construction, and the methods and criteria architects use to assess those technologies against the design, economics, and performance objectives of projects.

**PROCESS**

This reading assignment will be internet based. Pinterest is a good place to start. Search for images that show the assembly possibilities for steel supported stairs.

**DELIVERABLES**

Handwritten Notes and Sketches – 2d & 3d & MIRO 22x34 Research Boards

- Your freehand sketches and notes should demonstrate an understanding of the various components of a stair and how they connect to each other.
- Sketch details of the assembly. How is it installed? What holds it together?
- Format (3) research boards on 22x34 (Revit Title block) & post in MIRO
- Post your Reading Notes & Sketches & MIRO boards in Blackboard.

**GRADING**

Each assignment will be grade from 0 to 3 as follows:

- 0 = Not submitted
- 1 = minimal requirements met
- 2 = good notes
- 3 = very good notes

Notes 01-Design and Construction Process					
	Allocation	Exceeded requirements	Met most requirements	Met some requirements	Barely met requirements
<b>Technical Documentation (S.4)</b>					
Comprehensiveness	40%	<i>Notes comprehensively covered the entire scope of the reading assignment</i>	<i>Notes sufficiently covered the entire scope of the reading assignment</i>	<i>Notes covered the entire reading assignment but some content was lacking</i>	<i>Notes barely covered the scope of the reading assignment</i>
Understanding	40%	<i>Notes demonstrated a strong understanding of the content</i>	<i>Notes demonstrated a basic understanding of the content</i>	<i>Notes demonstrated a limited understanding of the content</i>	<i>Notes demonstrated a minimal understanding of the content</i>
<b>On Time</b>					
On Time	20%	<i>Submitted on due date prior to the beginning of the class</i>	<i>Submitted on due date sometime during the class</i>	<i>Submitted in the class subsequent to the due date</i>	<i>Submitted a maximum of a week after the due date</i>