

Paper title: Spatial Design Systems and Technology
Paper Number: 224.371

Project: 2_Building Systems & Product Specification

Hand-in Date: FRIDAY 19th October 5:00pm
PDF of report on Stream and in drop box
(MUST BE HANDED IN ON TIME - REFER PAPER OUTLINE)

Introduction: This project is an introduction to building systems and products. Its aim is to develop a lateral understanding of current building industry systems and products that you will specify as a designer. You will research your choice of systems & products for a specific project and then present the information as a specification report.

Brief: Using your studio project from Assignment 1 (Mt. Kaukau), you will look into the desired systems and products, investigating the requirements of not just the project but the systems and products themselves: what it is; how it is used; why use it; limits and requirements. You will then select, or specify, your chosen systems and products and outline those specifications along with a summary of the system/product information in your report.

Systems:

- 1 Electrical/lighting systems**
Lights, power & data outlets...
 - 2 Mechanical systems**
HVAC (heating, ventilation, a/c), lifts, escalators...
 - 3 Sustainable systems**
Materials, processes, green building products & systems...
 - 4 Plumbing systems**
Water, taps, toilets, showers...
 - 5 Digital systems**
AV (TVs, projectors, audio), wireless/data (may link up with electrical/lighting systems)...
 - 6 Building & finishing systems**
Surface materials & finishes (cladding, internal wall finishes, flooring, ceiling finish)...
- productspec.net and/or eboss.co.nz are good places to start for looking at different categories of products for the building industry. You will need to search a number of different resources to gain all the required information.

Project Requirements: A digitally produced A4 size PDF report addressing the items listed above and other information talked about with lecturer/ tutor. The report should be well crafted in terms of structure, clarity, editing/proofreading/spellcheck, layout & presentation.

Target 10 pages (guide only).

File formats:

You must use suitable word processing software (eg Word) to produce your report (not photoshop!!!).

Only a properly saved/exported PDF version of your report will be accepted.

Assessment: The project will be assessed to the extent that it:

- Investigates building systems and products across various areas related to interior design.
- Demonstrates an ability to research, study, document and seek out information as data, first-hand knowledge and examples.
- Effectively and coherently communicates explorations made
- Displays quality

Feedback will be given after completion of the project.

Learning Outcomes: The student should be able to:

- Confidently understand and present different building systems
- Incorporate that understanding of building systems into a design proposal

Procedure and Timetable:

week 10 Monday 1st Oct 10B01

Project intro

Wednesday 3rd Oct

Office hours / independent study

week 11 Monday 8th Oct 10B01

Spec's – what are they?

Wednesday 10th Oct

Office hours / independent study

week 12 Monday 15th Oct 10B01

Desk crits

Wednesday 17th Oct

Studio final review

Final hand in 5pm Friday 19th October

References: www.productspec.net

www.eboss.co.nz

www.masterspec.co.nz/industry-resource/guide-to-writing-specifications--1134