

**Homework 1B:****Update: Annotated Drawings and Outline Specification Supporting Integrated & "Comprehensive" Design Principles****Background**

- The process of designing details is an iterative one, just like any solving any architectural design problem.
- This homework is to apply what you've learned since your first submission.

**Resources**

- 1 A summary of the Unifomat work breakdown structure can be found at:  
<http://www.wbdg.org/ndbm/unifomat.php>
- 2 A chapter from The Architect's Studio Companion by Allen and Iano describing how to select and size mechanical / electrical systems is on electronic reserve.
- 3 Passive House principles may be found at:  
[http://www.passivhaustagung.de/Passive\\_House\\_E/passivehouse.html](http://www.passivhaustagung.de/Passive_House_E/passivehouse.html)
- 4 The download for the Living Building Challenge may be found at <https://ilbi.org/lbc/standard>

**Research Work**

- 1 Become familiar with the information in the four sets of resource materials
- 2 Make copies of the resource material as needed.

**Writing Work****Update the technical description of your proposal for the building based on discussions in class and feedback on your assignment 1A**

- 1 Describe the building in terms of the initial Unifomat outline provided in the assignment.
- 2 Be as specific as possible about every component of the building

**Drawing Work:****Update the technical drawing based on discussions in class and feedback on assignment 1A**

- 1 Plan: 1/8" = 1'-0"
- 2 Elevation: 1/8" = 1'-0"
- 3 Section: 1/8" = 1'-0"

**Account for architectural elements and their dimensions accurately****Annotate the drawings to cross-reference to the Unifomat Specification****Criteria for marking this homework****General Criteria**

This Homework counts as 20% of your marking for the course  
Homework will be marked from '4' to '0.'

Answers to questions count as 1/2 of the mark for the homework

Drawings designed count as 1/2 of the mark for the homework

**Criteria for Answers to question**

General:

The response to this question is written

This written response is succinct, clear, and informative

Requirements for a mark of '4' - Building systems described at Unifomat Level 4

Requirements for a mark of '3' - Building systems described at Unifomat Level 3

Requirements for a mark of '2' - Building systems described at Unifomat Level 2

Requirements for a mark of '0' - Building systems described at Unifomat Level 1

**Criteria for quality of drawings**

General:

Drawings are evaluated in terms of completeness, accuracy, and legibility

Requirements for a mark of '4' -

Work product capable of being incorporated into a project using building information management.

Requirements for a mark of '3' -

Work product could be submitted to an outside consultant (in this case, a cost estimator).

Requirements for a mark of '2' -

Work product could be used to present an idea to a colleague within the office

Requirements for a mark of '0' - Minimal drawing