

**Homework 2:****Cabinetwork drawings for library circulation desk****Program**

**This problem is based on the space labeled 'Library' on the sketch plan.**

Design a 20 foot long circulation counter complying with 521 CMR and the principles of 'Universal

1.0 Design.'

2.0 Make 3 workstations for the counter

4.0 Allow space, and services, for a scanner and computer at each station

5.0 Incorporate on 18 inch wide, manufactured base cabinet with drawers into each station.

6.0 Make one station accessible for both library customer and staff

**Research:**

**Become familiar with principles of 'Universal Design'**

**Become familiar with access regulations for interior furnishings and systems**

**Become familiar with industry standards for interior furnishing and systems**

**Become familiar with manufacturer's literature for interior furnishings and systems**

- 1 Follow the pointer on the class website to the Universal Design Guidance.
- 2 Go to the Mass.gov access board website - [http://www.mass.gov/Eeops/docs/dps/aab\\_regs/521007.pdf](http://www.mass.gov/Eeops/docs/dps/aab_regs/521007.pdf) - get a copy of section 7, retail establishments
- 3 Go to the Mas.gov access board website - [http://www.mass.gov/Eeops/docs/dps/aab\\_regs/521035.pdf](http://www.mass.gov/Eeops/docs/dps/aab_regs/521035.pdf) - get a copy of section 35
- 4 Go to the Kitchen Cabinet Manufacturer's website - [http://www.kcma.org/index.cfm?fuseaction=Professionals.HUD\\_Severe\\_Use\\_Manufacturers](http://www.kcma.org/index.cfm?fuseaction=Professionals.HUD_Severe_Use_Manufacturers) - get a copy of the HUD severe use specifications
- 5 Go to the Crotone Kitchens website - <http://www.crotonekitchens.com/welcome.html> - take a look at their four grades of cabinets

**Question to Answer:**

- 1 Using Access Board Regulations and Universal Design principles, propose design features for the workstation made accessible for both client and employee
- 2 Compare Crotone's four grades of cabinets to the two grades of cabinets in the HUD guide specification.
- 3 Propose one of the four grades of Crotone cabinets for use in the substation. Describe why you believe your choice is the most cost effective one for incorporation into the work counter.

**Drawing Work**

**Become familiar with the design by drawing it,**

**Create and draw the configuration and sizes of an architectural concept**

Draw the following using 11" x 17" paper

- 1 Cabinetwork elevations and sections: 3/4" = 1'-0"
- 2 electric and communications connections for each workstation

### Criteria for marking this homework

#### General Criteria

This Homework counts as 12% of your marking for the course

Homework will be marked from '4' to '0.'

Answers to questions count as 1/3 of the mark for the homework

Drawings designed count as 2/3 of the mark for the homework

#### Criteria for Answers to question

General: The response to this question is written, criteria are based on recommendations from 'Understanding by Design,' page 175

Requirements for a mark of '4' - "A clear, well developed [explanation] that deals in a sophisticated fashion with [key] components of the question.

Requirements for a mark of '3' - "Clear, developed [explanation] that deals with [key [components of the question]]."

Requirements for a mark of '2' - General [explanation] responding to all components superficially."

Requirements for a mark of '0' - "Little or no analysis."

#### Criteria for quality of drawings

General:

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

Specific Criteria for Marking:

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 a plans examiner. Criteria are as described by Liebling (Wiley, publisher) and in material provided in class web site.

Requirements for a mark of '2' -

Work product could be used to present an idea to a job captain

Requirements for a mark of '0' - Minimal drawing