

Computer Aided Design & Drafting Program  
AE103: Blueprint Reading  
Textbook: Printreading for Residential and Light Commercial Construction  
Chapter 1: Printreading

## Chapter 1 Performance Assessment

Scenario:

Your goal is to present a blueprint design of a 2 bedroom/2 bathroom floor plan. You are an architect working for Borja Architects, and you are presenting to Core Tech International (owner/contractor) who wants to make apartment buildings in Mangilao. The challenge is that your drawing is not fully developed. There is an incomplete title block as well as missing dimensions, labels, and essential furniture for each area. You will create a complete 2BR/2BA floor plan design, so that contractors can choose the best design for their upcoming project.

Tools provided:

- 2BR/2BA Layout (24x36 sheet provided by instructor)
  - [2BR/2BA pdf](#)
- Ruler
- Calculator

Tasks:

1. Fill in missing components of the title block
2. Label areas of the floor plan
3. Include necessary furniture in their respective spaces
  - a. Bedroom: bed, desk, and dresser
  - b. Bathroom: sink, toilet, bathtub
  - c. Kitchen: sink, refrigerator, stove, counter/table
  - d. Living Room: couch, coffee table, TV
  - e. Laundry Room: washer, dryer
  - f. Dining Area: 4-seater dining table
4. Calculate missing dimensions of room layout
  - a. Length of wall to wall
  - b. Square footage of each area
  - c. Total square footage
5. Present to class (aka contractors)

Criteria:

1. Room layout
  - a. Room layout allows for a nice “flow” in the house
  - b. Furniture is positioned properly
2. Size and Measurements
  - a. Exterior and interior walls are sized accurately

- b. Room dimensions are sized accurately

Rubric:

<b>Criterion</b>	<b>Exemplary 3 pts</b>	<b>Sufficient 2 pts</b>	<b>Needs Revision 1 pts</b>	<b>No Evidence 0 pts</b>
Title block	All information required was written in the title block neatly	Partial information was written in title block accurately and neatly	Partial information was written in title block but some information are not legible	No information was written in title block
Floor plan labels	All names of spaces were accurately and neatly labeled	Names of spaces were partially labeled neatly	Names of spaces were partially labeled sloppily	Areas of floor plan were not labeled
Room dimensions	All dimensions are sized accurately	All dimensions were given but were off (+/-) two inches	Partial dimensions were given	No dimensions were given
Furniture Arrangement	All furniture required were drawn accurately and neatly	Furniture was partially drawn neatly	Furniture was partially drawn sloppily	No furniture was drawn
Presentation	Presentor was highly motivated and thoroughly answered questions by contractors	Presentor was motivated and partially answered questions by contractors	Presentor was not motivated to do presentation thoroughly	No presentation was provided by presentor
TOTAL =     /15				