**Reading Floor Plans PowerPoint Notes**

Items Included in Construction Documents

Floor Plans

* Heart of a set of construction documents because they are the basis of most other documents.
* They are technically considered a \_\_\_\_\_\_\_\_\_\_\_ drawing.

Required information on a floor plan:

* Exterior and interior walls
* Size and location of windows and doors
* Built-in cabinets and appliances
* Permanent fixtures
* Stairs
* Fireplaces
* Location and size dimensions
* Material symbols
* Symbols or hatch patterns
* Walkways, patios and decks
* Room names
* Drawing scale

Stairs and Fireplace

* Stairs: show direction, number of \_\_\_\_\_\_\_\_\_\_\_ and width of stairs
* Fireplaces: show basic depth and width, opening design and location

Windows and Doors

* Centerlines are used to locate openings for windows and doors
* Openings for windows are \_\_\_\_\_\_\_\_\_\_\_ width
* Openings for doors are \_\_\_\_\_\_\_\_\_\_\_ width
* Door swing is indicated

Cabinets, Appliances, and Permanent Fixtures

* Kitchen cabinets, bath vanities, fixtures, and appliances are always shown on a floor plan

Cabinets and Appliances

* Base cabinets are \_\_\_\_\_”
* Upper cabinets are \_\_\_\_\_”
* Upper cabinets drawn with \_\_\_\_\_\_\_\_\_\_\_ lines
* Appliances to include:
  + Range/Stove
  + Refrigerator
  + Dishwasher
  + Washer
  + Dryer

Plumbing

* Bathroom vanities are 20”
* Items to include:
  + Shower
  + Tub
  + Toilet (W.C.)
  + Vanity
  + Sink

Walkways, Patios, and Decks

* Several exterior features are usually included on the floor plan
* Size and \_\_\_\_\_\_\_\_\_\_\_ are typically noted on the plan

Dimensioning

* Dimensions on a floor plan show size and location of features
* Dimension lines are continuous lines with the dimension figure placed \_\_\_\_\_\_\_\_\_\_\_ the line
* Dimensions are recorded in \_\_\_\_\_\_\_\_\_\_\_ and \_\_\_\_\_\_\_\_\_\_\_
* Dimensions less than 1’, indicated as 2”, 6”, etc
* Dimensions for interior walls are to the \_\_\_\_\_\_\_\_\_\_\_ of the wall
* Dimensions for exterior frame walls are to the \_\_\_\_\_\_\_\_\_\_\_ of the wall
* Overall dimensions are needed to provide total length and width of structure
* \_\_\_\_\_\_\_\_\_\_\_ dimension is used

Dimension Line

* Various means to terminate ends of dimension lines
  + Arrow Head, Dot, or Tick
* Must be consistent with the type of termination symbol used

Alphabet of Lines

* \_\_\_\_\_\_\_\_\_\_\_ Lines: outline of buildings and walls
* \_\_\_\_\_\_\_\_\_\_\_ Lines: edges of surface not visible; permanent fixtures above cut plane
* \_\_\_\_\_\_\_\_\_\_\_ Lines: locate opening of doors and windows
* \_\_\_\_\_\_\_\_\_\_\_ Lines: size and location
* \_\_\_\_\_\_\_\_\_\_\_ Lines: termination point of dimensions
* \_\_\_\_\_\_\_\_\_\_\_ Lines: object continues on, but complete view is not shown (stairs)

Scale and Sheet Identification

* Residential floor plans are usually drawn at \_\_\_\_\_\_\_\_\_\_\_

Reading a Floor Plan Questions

1)

2)

3)

4)

5)

6)

7)