

# Professional Certification Review Manual

## APPRENTICE DRAFTER

### ARCHITECTURAL

## Competency 10

### Floor Plan Layouts – Relationships and Related Terminology

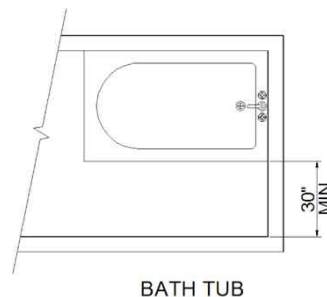
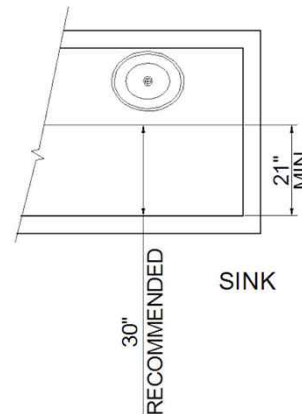
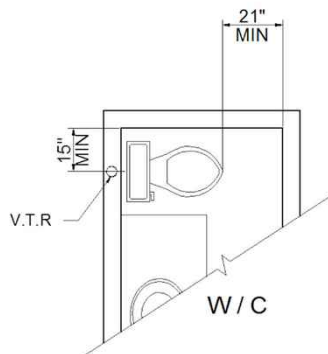
#### ITEMS TO REVIEW for COMPETENCY 10:

- Residential floor plan scales
- Types of vent pipes
- Interior wall sizes and locations
- Partial walls
- Stair and handrail construction minimums
- Stair sections and plan views
- Fireplaces & attics
- Garage floors
- Bathroom dimensions
- HVAC
- Roof framing terminology
- Electrical requirements
- Residential symbols

#### TERMS TO BE DEFINED OR IDENTIFIED for COMPETENCY 10:

- V.T.R.
- Soil stack
- Partial wall
- Hearth
- Vapor barrier
- H.B.
- Parapet
- Plenum
- Heel
- Egress
- Knee wall
- GFCI

#### BATHROOM MINIMUM DIMENSIONS

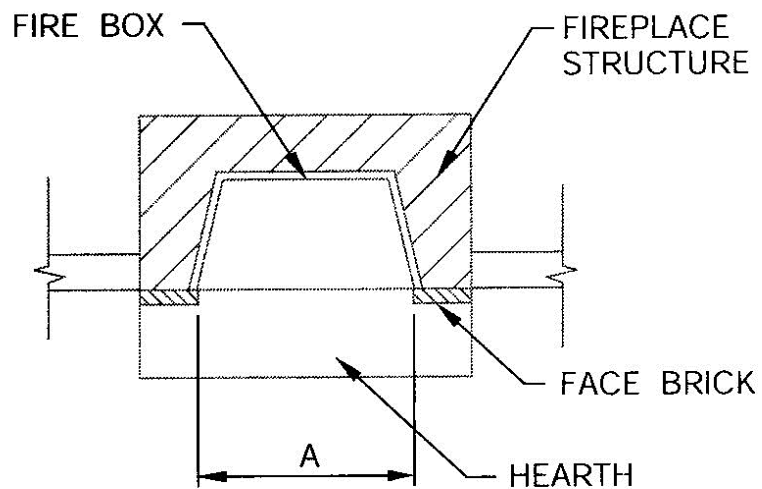


**FIREPLACE BASIC DIMENSIONS**

**TABLE 3-1 FIREPLACE DIMENSIONS**

OPENING WIDTH	OPENING HEIGHT	UNIT WIDTH
36	24	22
40	27	22
48	30	25
60	33	25

DIMENSION A OPENING SIZE IN INCHES
28
32
36
40
48
60



**REVIEW QUESTIONS:**

1. Minimum stair width is:
  - a. 24"
  - b. 36"
  - c. 30"
  - d. 32"
2. A 4" soil stack would require an 8" nominal wall.
  - a. T
  - b. F
3. What is the purpose of a soil stack?
4. Partial walls require a maximum height of 42".
  - a. T
  - b. F
5. How much head room is required for a stair run?
6. The minimum elevation for a hearth is:
  - a. 0'-0"
  - b. 6"
  - c. 10"
  - d. None of the above
7. What are the minimum dimensions for an attic access and crawl space access?
8. What is the minimum space of a sink from a wall?
  - a. 18"
  - b. 21"
  - c. 24"
  - d. 30"

9. A soil vent blocks the flow of water vapor into a structure.

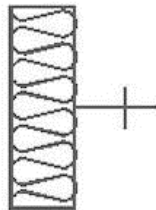
- a. T
- b. F

10. The truss is that part of a rafter that rests on the top plate.

- a. T
- b. F

11. When is the ADA code applied to residential drawings and construction?

12. Identify this symbol.



13. Identify this symbol.

