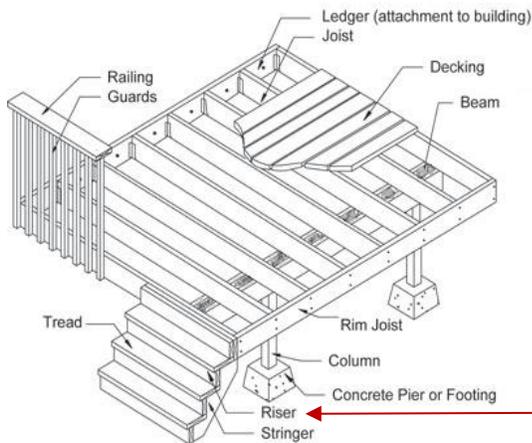




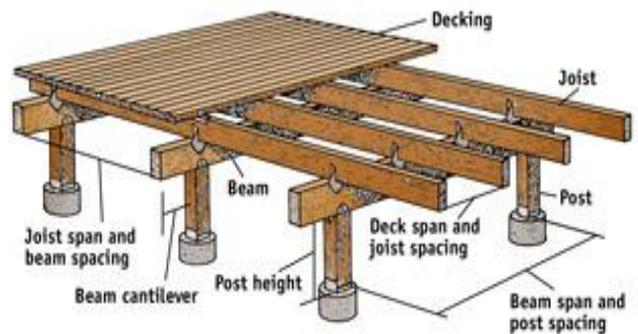
**(2) Provide a SKETCH of the deck plan on a separate sheet, indicating:**

- Dimensions of deck (**length, width, and height** above ground)
- Label **ledger** board location
- Direction of **joists** (note joist size, spacing and span)
- Size of **joist cantilever** (length of joist overhang past beam)
- Location of **columns** (note column size and spacing)
- Foundation** type supporting columns (note type, size, and depth)
- Direction of **beams** (note beam size and number of plies)
- Location and width of **stairs** (minimum stair width must be 36")
- Number of stair **risers** and riser height (rise must be between 5" to 7-7/8" high and be of uniform size for all steps)
- Width ("run") of stair **treads** (tread must be between 10" - 14" wide and be of uniform size for all steps)
- Height of **guards** (minimum guard height is 36" with no openings larger than 4". Guards may be required on both sides of stairs.)
- Direction of **decking** (note decking type and thickness)

**Summary of Terms:**



**How to Measure Distances:**

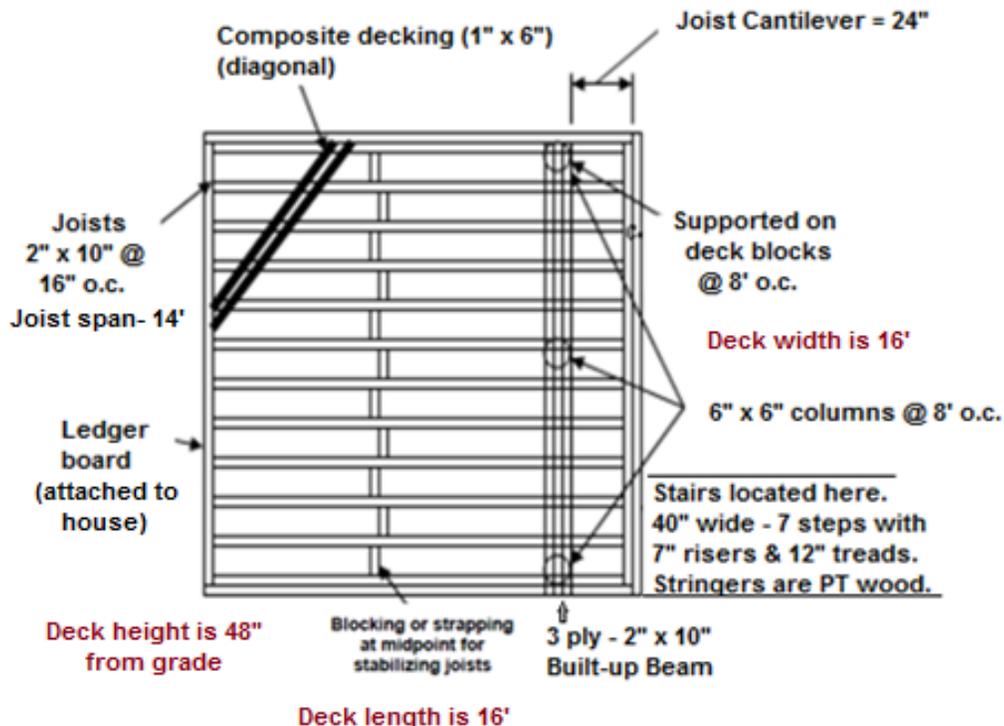


\* **Note:** Wall and/or guards are required on both sides of the stairs if there are 4 or more risers.

**Below is an example of how to draw and label your deck plan.**

**Include all information requested above.**

**\*\*\* Also complete the checklist on page 3 and submit with your deck plan.**



**(3) Complete ALL information below and submit with your deck plan:**

**Support:**

- Attached to dwelling or other building (ledger board)
- Detached

**Height of Deck:**

(Height is measured from grade to walking surface)

- 24" or less (No guards or stair handrails required)
- 24.1" - 72" (36" high guards and stair handrails required)
- Over 72" (42" high guards, and stair handrails required)
- Over 13'-9" (42" high guards designed to be non-climbable)

**Deck Size:**

\_\_\_\_\_ ' X \_\_\_\_\_ ' = \_\_\_\_\_ ft<sup>2</sup>

**Clearance from Deck to Overhead Wires:**

- \_\_\_\_\_ feet (from walking surface to wires)

**Joist Size:**

- 2" x 6"
- 2" x 8"
- 2" x 10"
- 2" x 12"

**Joist Spacing:**

- @ 12" o.c.
- @ 16" o.c.
- @ 24" o.c.

**Joist Span: (Beam Spacing)**

(Distance between beams or house to beam)

- Up to 8 ft.
- 8' - 10'
- 10' - 12'
- 12' - 14'
- 14' - 16'
- 16' - 18'
- 18' - 20'
- Over 20 ft - see Span Table

**Deck Joist - Sizing Table**

Joist Span	12" oc	16" oc	24" oc
Up to 8'	2" x 6"	2" x 6"	2" x 6"
8'-10'	2" x 6"	2" x 6"	2" x 8"
10'-12'	2" x 8"	2" x 8"	2" x 8"
12'-14'	2" x 8"	2" x 10"	2" x 10"
14'-16'	2" x 10"	2" x 10"	2" x 12"
16'-18'	2" x 12"	2" x 12"	
18'-20'	2" x 12"		
Over 20' see span tables in National Building Code			

**Joist Cantilever: (joist overhang distance past beam)**

- \_\_\_\_\_ inches

**Column (Post) Size (Minimum 6"X6"):**

\_\_\_\_\_ " X \_\_\_\_\_ "

**Column (Post) Height:**

- Less than 24"
- 24" - 72"
- Over 72" (requires engineered foundation design)

**Foundation Support: (NBC 9.12.2.2. & 9.23.6.2.)**

(Height is measured from grade to underside of joist)

- Deck/Patio blocks  
(Decks 72" or less, minimum 2 blocks per 100 ft<sup>2</sup>)
- Concrete piles  
(Site specific engineered foundation)
- Screw piles  
(Site specific engineered foundation)

\*Anchorage to ground is required

**Beam Size:**

- 2" x 6"
- 2" x 8"
- 2" x 10"
- 2" x 12"
- Other: \_\_\_\_\_

**No. of Plies:**

- 2 ply
- 3 ply
- 4 ply
- 5 ply

**Beam Span: (Column Spacing)**

(Distance between columns supporting beams)

- Less than 6'
- 6' - 8' span
- 8' - 9'
- 9' - 10'
- Other: \_\_\_\_\_
- 10' - 11'
- 11' - 12'
- 12' - 13'
- 13' - 14'

**Beam Cantilever: (beam overhang distance past column)**

- \_\_\_\_\_ inches

**Decking Material Type:**

- Wooden Deck Boards (Treated or Cedar)
- Composite
- Vinyl
- Other: \_\_\_\_\_

**Stair Stringers Made of:**

- Pressure Treated Lumber
- Metal
- Other: \_\_\_\_\_

**Number of Stair Risers:**

- 0 - 3
- 4 - 9
- 10 or more