

**Deck - Specifications for:**

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Legal Land Location: \_\_\_\_\_

Phone: \_\_\_\_\_ Cell: \_\_\_\_\_

Contractor: \_\_\_\_\_ Ph: \_\_\_\_\_

Permit # \_\_\_\_\_

Town/Village/RM of \_\_\_\_\_

Date: \_\_\_\_\_



**Specifications**

**Structure:**

\_\_\_\_ Attached **OR** \_\_\_\_ Detached

Size: \_\_\_\_\_ x \_\_\_\_\_ (state if size is in ft<sup>2</sup> or m<sup>2</sup>)

**If over 55m<sup>2</sup> (592 ft<sup>2</sup>) or more than 600mm (2') off the ground,**  
then provide piles (see page 4)

**Footing pad (Detail "A") size:** \_\_\_\_\_ x \_\_\_\_\_ x \_\_\_\_\_ thick  
(must be reinforced)

Provide distance between beams: \_\_\_\_\_

***If deck is attached to a mobile dwelling:***

***then deck foundation to be same as mobile dwelling's foundation***

***OR piles (Detail "B" - see page 4) (must be reinforced)***

**Column size:** \_\_\_\_\_ " x \_\_\_\_\_ " (i.e. 3 ply 2" x 6" / steel telepost)

**Beam:** \_\_\_\_\_ ply of 2" x \_\_\_\_\_

Span between columns along beam: \_\_\_\_\_

**Joists:** 2" x 6", 8", 10" or 12" @ \_\_\_\_\_ " spacing

Attach joist to the ledger board with joist hangers (if deck is attached)

Distance between supports (i.e. ledger board to beam) \_\_\_\_\_

Provide joist cantilever length past beam \_\_\_\_\_

**Decking material is** \_\_\_\_\_ x \_\_\_\_\_ (i.e. radius/plywood/2"x 6") (If composite, then joists to be 16" o.c.)

Dimensional lumber/treated (i.e. 2" x 8") or other \_\_\_\_\_

**Safety:**

Height from ground: \_\_\_\_\_

Clearance from deck to overhead wires: \_\_\_\_\_

For height of deck guardrail & stair handrail, see pages 2 & 3.

**Roof:** \_\_\_\_ No \_\_\_\_ Yes (If "yes" then piles are required for support  
and plans are to be Engineer stamped & site specific.)

Engineered trusses: **If yes,** manufactured by:

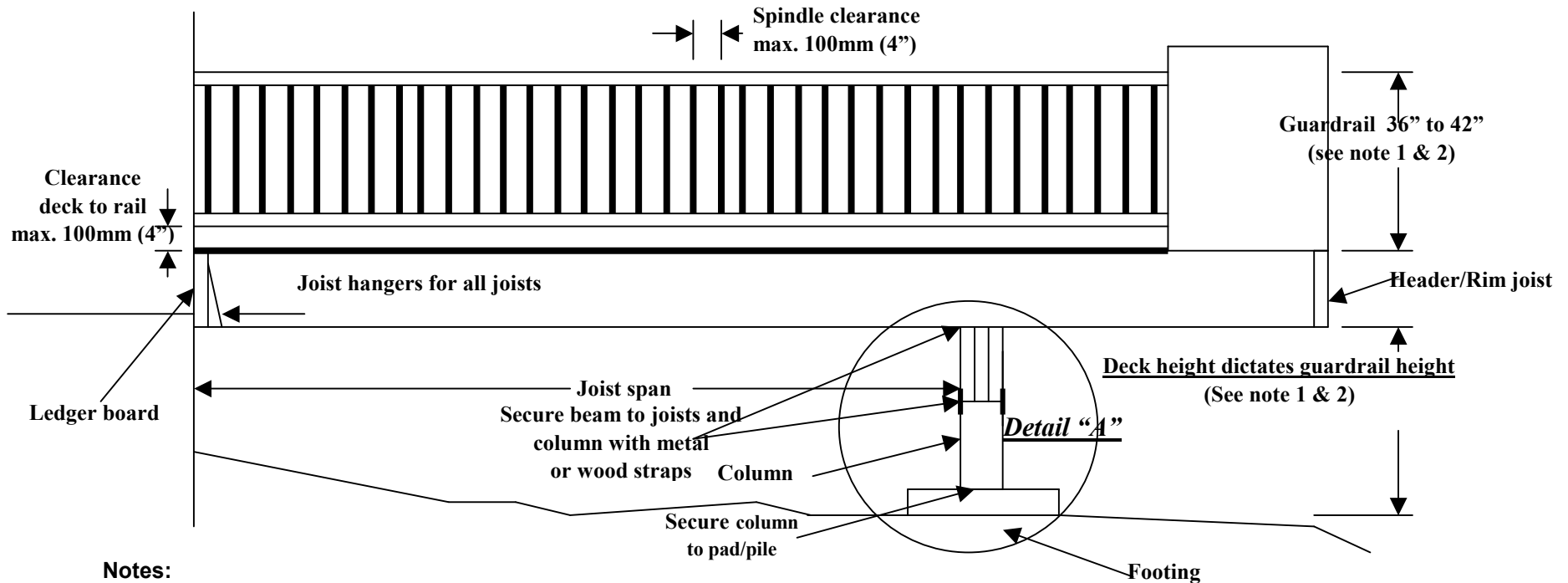
\_\_\_\_\_  
**If no,** then rafter & joist size is: \_\_\_\_\_ " x \_\_\_\_\_ "

Spaced \_\_\_\_\_ apart with a \_\_\_\_\_ overhang

Thickness/type of sheathing: \_\_\_\_\_

Type of shingles: \_\_\_\_\_

# Typical Deck Construction Details (Foundation & Guardrails)

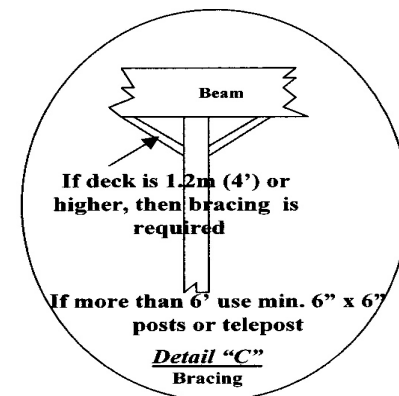


**Notes:**

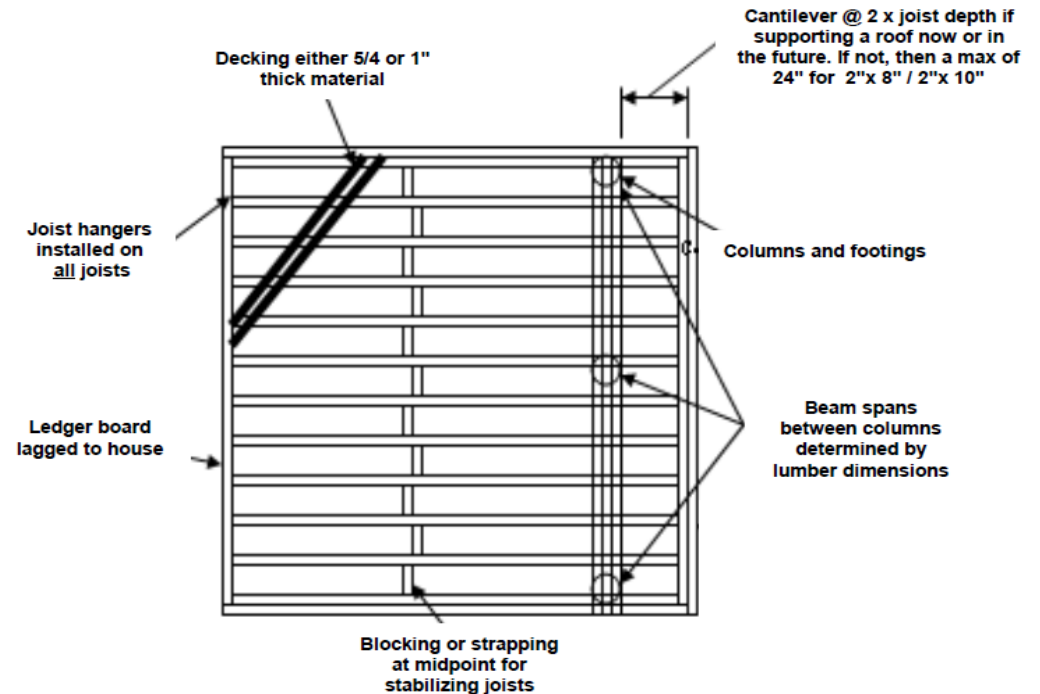
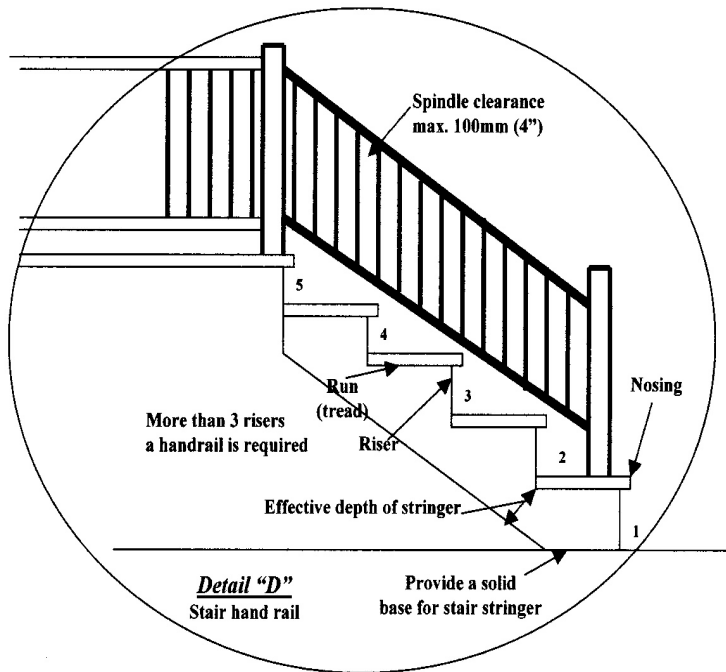
1. Deck guardrails not to have a climbable foothold within 812mm (32") of top of rail.
2. Deck guardrail height - above deck surface @ 1070mm (42"), if deck surface is over 1.8m (6'). If deck surface is between 610mm (24") and 1.8m (6'), then the guardrail is 914mm (36").
3. Foundation is required if the deck is: (2010 NBC 9.12.2.2(7))

- \* May require Eng. Stamp & be site specific, or see page 4
- \* a. more than one storey.
- \* b. more that 55m<sup>2</sup> (592 ft<sup>2</sup>) in size.
- \* c. more than 600mm (24") from the underside of joists to the finished ground.
- \* d. supporting a roof.
- \* e. attached to another building structure (i.e. a house)

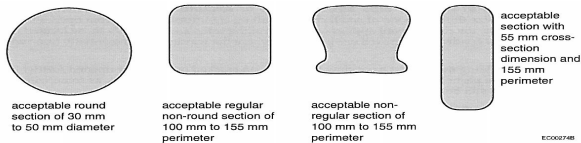
4. Beam splice or joints should be over a column (not more than half of the splices over one column)
5. The cantilever of 2" x 10" joists is a maximum of 24".



## Typical Stairs and Plan View



Handrails must be 'graspable'. Some acceptable examples appear below:



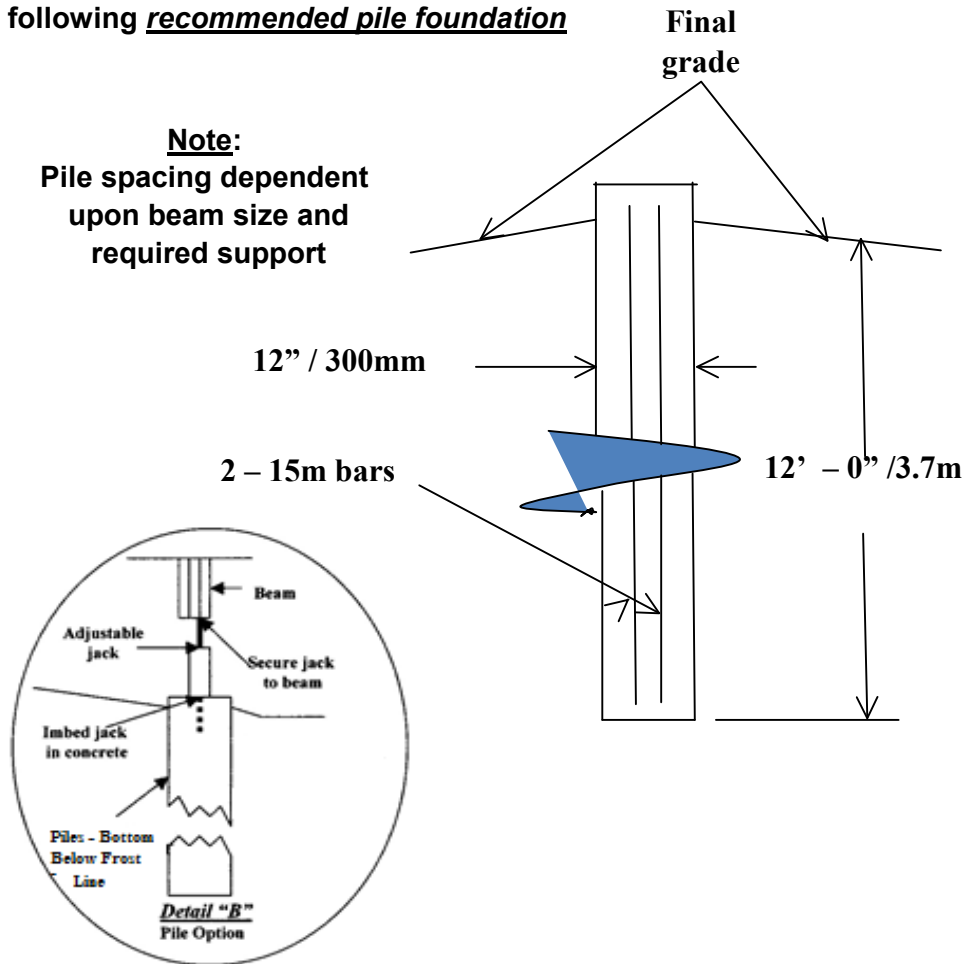
### Notes:

1. Handrail is required only if there are more than 3 risers (see Detail "D"). Handrails: 800mm (31.5") min. & 965mm (38") max. above stair nosing.
2. Stringer min. effective depth (Detail "D") - 90mm (3 1/2") and thickness 38mm (1 1/2") and stringer to be spaced not more than 900mm (3') o.c. for stairs not serving more than one dwelling unit and 600mm (2') o.c. in other stairs.
3. Tread/run (Detail "D") thickness 38mm (1 1/2") min. if stringers are more than 750mm (30") on center.
4. Tread width 900mm (36") o.c.
5. Min/max dimensions for Rise is 125mm (4 7/8") - 200mm (7 7/8"); Run is 210mm (8 1/4") - 355mm (14").
6. Guardrails are required if: (2010 NBC 9.8.8.1)
  - a. there is a difference in elevation of more than 600mm (24") between the walking surface and the deck surface or 3 risers.
  - b. the adjacent surface within 1.2m (4') of the walking surface has a slope greater than 1 in 2 (meaning a ratio of 1' out and 2' down).

## Recommended Pile Foundation (Detail B)

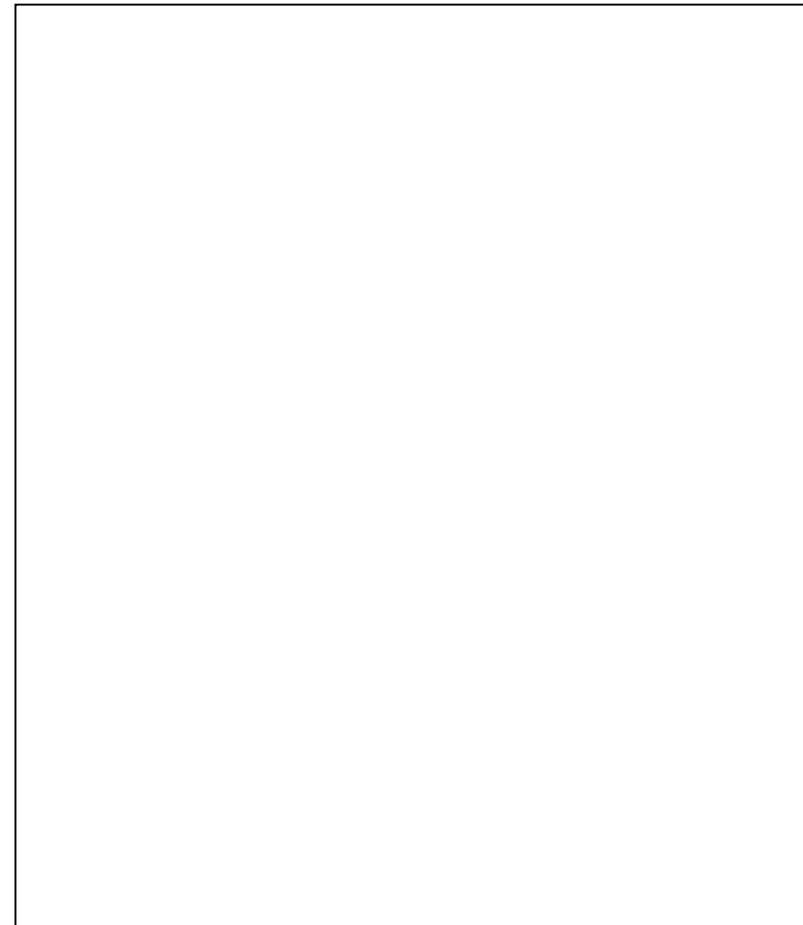
On page 2 it indicates an Engineer's stamp & site specific may be required *or* do the following recommended pile foundation

**Note:**  
Pile spacing dependent upon beam size and required support



**Site Plan Required** (Show below or on a separate sheet:)

- Lot dimensions
- Deck location with set backs from property lines & existing buildings
- Sketch of deck showing dimensions & location/direction of joists, beams & stairs



Lot Dimensions: \_\_\_\_\_ wide x \_\_\_\_\_ deep