



Meridian  
Inspections Ltd

# DECK WORKSHEET

Complete the following:

**Guards:**

Height: \_\_\_\_\_"

(Minimum - 900 mm if deck 600 mm to 1800 mm above finished grade, 1070 mm if deck greater than 1800 mm above finished grade.)

**Spindle spacing:** \_\_\_\_\_"  
(Spaced not more than 100 mm.)

**Floor Framing**

Joists size: 2 x \_\_\_\_\_"

Joists spacing: \_\_\_\_\_"

Beam size: 2 x \_\_\_\_\_"

# Piles: 2  3  4

Column size:

4 x 4

4 x 6

6 x 6

Other \_\_\_\_\_"

Spacing: \_\_\_\_\_" o.c.

**Foundation**

Piles :

Diameter: \_\_\_\_\_" o.c.

Depth: \_\_\_\_\_"

Pier Blocks:

Screw Piles:

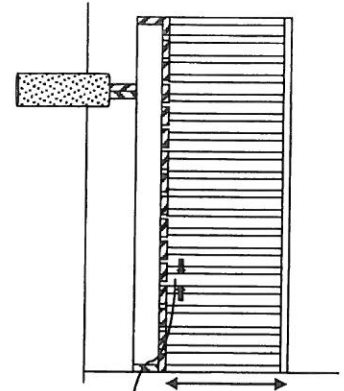
Concrete Pad:

Set in ground:

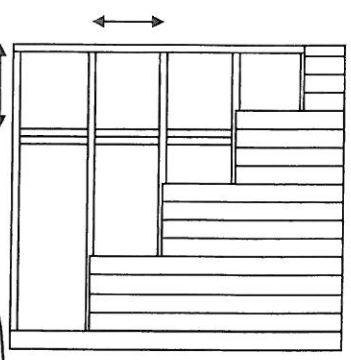
Joist Cantilever: \_\_\_\_\_"

(Maximums:  
2 x 6 - 16"  
2 x 8 - 24"  
2 x 10 - 30")

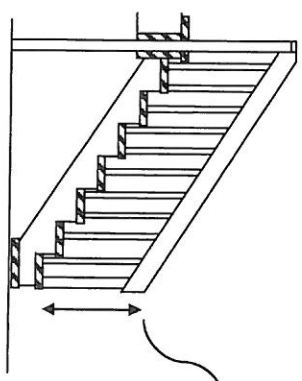
Decking: \_\_\_\_\_"  
(2 x 4, 5/4 x 6, plywood, etc.)



DECK CROSS SECTION

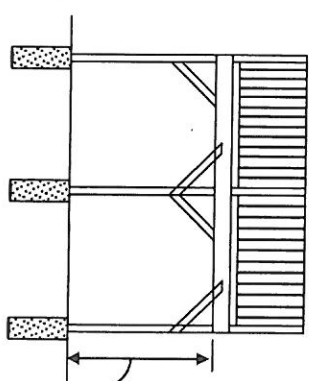


FLOOR FRAMING



STAIR CROSS SECTION

COLUMN CROSS BRACING



Complete the following:

**Guards:**

Height: \_\_\_\_\_"

(Minimum - 900 mm measured to nosing of stair.)

**Spindle spacing:** \_\_\_\_\_"  
(Spaced not more than 100 mm.)

**Stair Stringers**

Material

PT Wood:

Metal:

Concrete:

**Stairs**

Width: \_\_\_\_\_"

Rise: \_\_\_\_\_"

Run: \_\_\_\_\_"

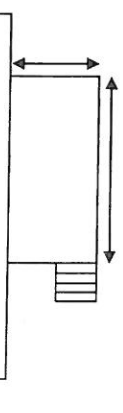
**Cross Bracing**

Required if deck more than 600 mm above finished grade.

Height of deck above grade / finished ground: \_\_\_\_\_"

**NOTE** Permanent foundation (piles) are required if the deck joists are more than 600 mm (24") measured to the underside of the joists.

Deck Size  
Width: \_\_\_\_\_'  
Length: \_\_\_\_\_'



Property Lines

Permit Name: \_\_\_\_\_  
Civic Address: \_\_\_\_\_

## Deck Foundations

### 9.12.2.1. Excavation to Undisturbed Soil

1) Excavations for foundations shall extend to undisturbed soil.

### 9.12.2.2. Minimum Depth of Foundations

1) Except as provided in Sentences (4) and (5), the minimum depth of foundations below finished ground level shall conform to Table 9.12.2.2.

**Table 9.12.2.2. Minimum Depths of Foundations**  
Forming Part of Sentence 9.12.2.2(1)

Type of Soil	Minimum Depth of Foundation Containing Heated Basement or Crawl Space <sup>(1)</sup>		Minimum Depth of Foundation Containing No Heated Space <sup>(2)</sup>	
	Good Soil Drainage	Poor Soil Drainage	Good Soil Drainage	Poor Soil Drainage
Rock	No limit	No limit	No limit	No limit
Coarse grained soils	No limit	No limit	Below the depth of frost penetration	Below the depth of frost penetration
Silt	No limit	No limit	Below the depth of frost penetration <sup>3</sup>	Below the depth of frost penetration
Clay or soils not clearly defined <sup>(4)</sup>	1.2 m <sup>(5)</sup>	1.2 m	1.2 m but not less than the depth of frost penetration <sup>3</sup>	1.2 m but not less than the depth of frost penetration

Notes to Table 9.12.2.2:  
<sup>(1)</sup> Foundation not insulated to reduce heat loss through the footings.  
<sup>(2)</sup> Including foundations insulated to reduce heat loss through the footings.  
<sup>(3)</sup> Good soil drainage to not less than the depth of frost penetration.  
<sup>(4)</sup> See Appendix A.

### 9.12.2.2.

7) The foundation depths required by Sentence (1) do not apply to foundations for decks and other accessible exterior platforms

a) of not more than 1 storey,

b) not more than 55 m<sup>2</sup> in area,

c) where the distance from finished ground to the underside of the joists is not more than 600 mm,

d) not supporting a roof

The NBC requires that all decks more than 600 mm measured to the underside of the floor joists must have a foundation that complies to the minimum foundation as indicated in the Table 9.12.2.2. The foundation within that table would be under the heading – “Minimum Depth of Foundation Containing No Heated Space” and specifically “1.2 m but not less than the depth of frost penetration.”