

Building a deck

STEP BY STEP



1.

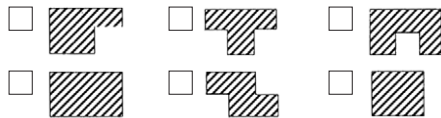
You can create a free-form deck of virtually any shape, single or multi-level, up to 60 x 60 feet in size and 8 feet in height.

All it takes is a few minutes of your time to **answer the questions on the following pages and sketch your deck design on the graph paper.** Use the handy drawings provided which show typical deck planking and railing styles to get you started.

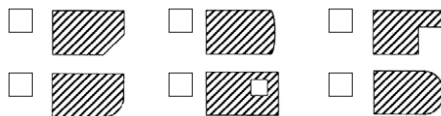
First and foremost, carefully go over the plan for your property which details its official boundaries. If the information is not complete, hire a surveyor. The orientation of your deck is also important. Plan and position your deck in relation to the sun's trajectory (during the summer) and take into account the location of trees, buildings, etc. You may be able to avoid prevailing winds by locating your deck where the house will provide some protection.

THE DECK

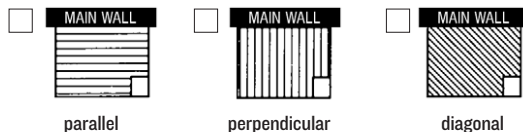
1. Determine the **basic deck** shapes.



2. Deck modifications.



3. The alignment of the **deck planking with the main wall** of your house.



4. Will it be a **multi-level deck**?

- 1-level deck
- 2-level deck
- 3-level deck

5. At its highest point, what is the **height from the ground to the top of the finished deck floor**? Height: _____

6. Will the deck be **attached to the house** or will it be **free-standing**?

- Attached
- Free-standing

7. Select **centre to centre joist spacing**.

(If you are unsure, use 16 in.)

- 12 in. on centre
- 16 in. on centre
- 24 in. on centre

8. Select the type of material for your **deck support**.

- Treated-wood
- Concrete
- Cedar
- Steel

9. Select the material for your **deck planking and railings**.

- Treated-wood
- Trex composite lumber
- Cedar
- PVC

10. What size of **deck plank** do you plan to use?

- 2 x 4 in.
- 2 x 6 in.
- 2 x 4 in. / 2 x 6 in. alternating
- 1-1/4 x 6 in. radius edge

11. What size material do you plan to use for the **railing post**?

- 2 x 4 in.
- 4 x 4 in.

12. How will you **secure** your deck planking?

- Nails
- Screws

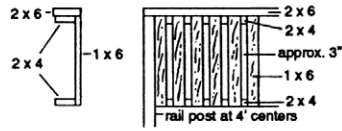
13. What **finish** do you plan to use on your deck?

- Water-repellent Sealer
- Stain
- Paint
- Seal
- None

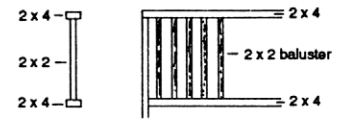
2.

RAILING STYLE

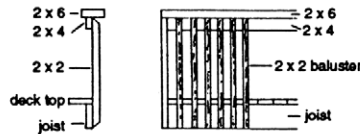
1 x 6 in. Screening, 2 x 6 in. Top rail



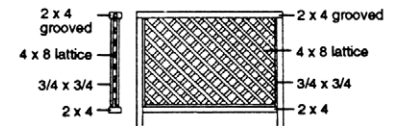
2 x 2 in. Balusters, 2 x 4 in. Top and bottom rail



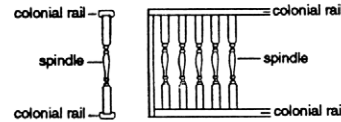
2 x 2 in. Balusters, 2 x 6 in. Top rail



2 x 4 in. Grooved top rail, 2 x 4 in. Bottom rail, regular 4 ft high lattice



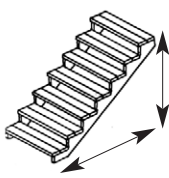
2 x 2 in. Colonial spindles, Colonial top/bottom rail



STAIRCASE STYLE

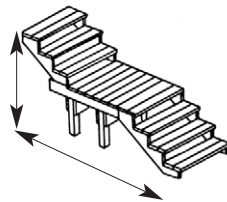
Straight

Height _____
Width _____
No. of steps _____



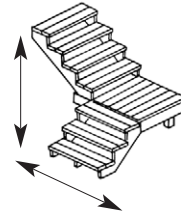
Straight off landing

Height _____
Width _____
No. of steps _____



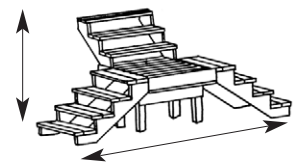
Right or left landing

Height _____
Width _____
No. of steps _____



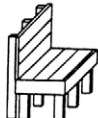
Both directions off landing

Height _____
Width _____
No. of steps _____



ACCESSORIES

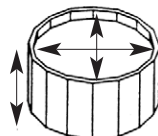
Bench(es)



Hot tub or spa

- Round
- Square
- On top
- Built-in

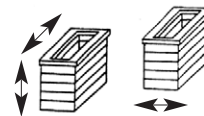
Height _____
Width _____
Depth _____



Planters or openings

Height _____
Depth _____
Width _____

Note: the opening cannot be closer than 24 in. to the edge of any level or structure

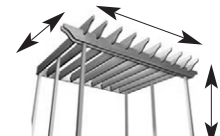


Table(s)



Pergolas

Height _____
Width _____
Depth _____

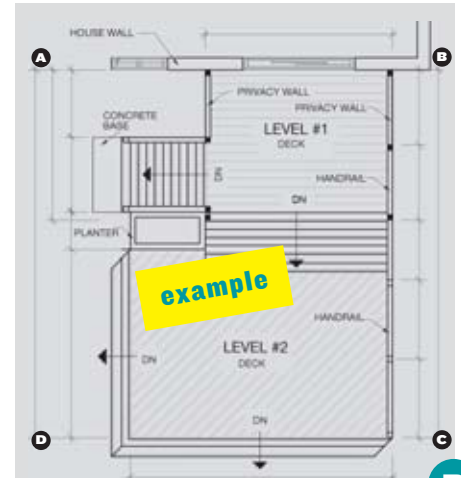


DRAW THE PLAN VIEW

3.

- Accurately measure the side(s) of your home where the deck will be built.
- Measure and indicate all door locations, stairs as well as the placement of existing obstructions such as chimneys and trees.
- Indicate the main wall, the portion attached to the house and the orientation of planking.
- Note any modifications to the main deck such as clipped or rounded corners, notches and their sizes.

Scale: 1 square = 1 foot



A

main wall of the house

B

D

Table

Table

Lounge chair

Coffee table

Hot tub

Hot tub

C

Table

Table

Chair

Foot stool

BBQ

* End table or planter box

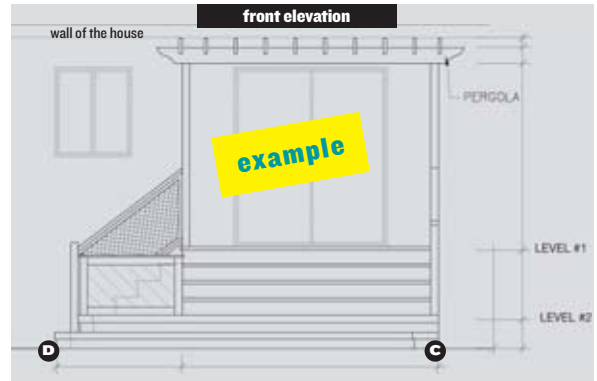
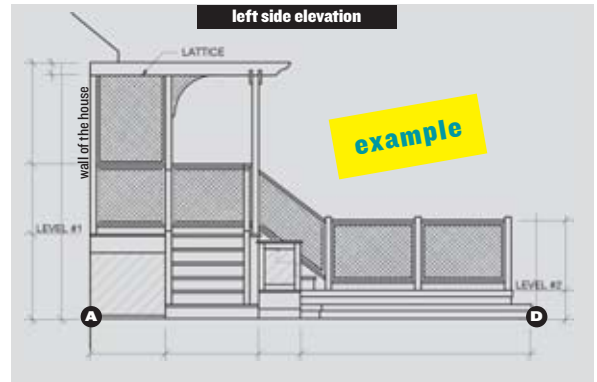
DRAW THE ELEVATION PLAN

4.

If your deck has more than one level, be sure to include the following for each level:

- Where the new level attaches to the main (or other) level;
- All dimensions of the outside edges of the new level(s);
- The width of stairs or ramps up or down to new level.

Scale: 1 square = 1 foot



side view (left)

main wall of the house

A

D

side view (right)

main wall of the house

C

B

front view

main wall of the house

D

C

5.

Lumber listed here (except the mouldings) come in different lengths (8-ft, 10-ft, 12-ft, 14-ft and 16-ft). The size of your deck will determined the length to use.

TOOLS

	\$	Réno-Dépôt code
<input type="checkbox"/> Carpenter's level		
<input type="checkbox"/> Chalk line		
<input type="checkbox"/> Circular saw		
<input type="checkbox"/> Drill bits		
<input type="checkbox"/> Electric drill		
<input type="checkbox"/> Gardener's hoe		
<input type="checkbox"/> Hammer		
<input type="checkbox"/> Line level		
<input type="checkbox"/> Measuring tape		
<input type="checkbox"/> Percussion drill for masonry walls		
<input type="checkbox"/> Shovel		
<input type="checkbox"/> Square		
<input type="checkbox"/> Wood stakes		

FOUNDATION

		Unit \$	Quantity	\$ total	Réno-Dépôt code
Pillar	<input type="checkbox"/> 10-in. Sonotube				
	<input type="checkbox"/> Concrete 3000 # (20 Mpa) x 3/4 in.				
Ledger board	<input type="checkbox"/> 1/2 in. x 8-1/2 in. Anchor bolts				
	<input type="checkbox"/> Joist hanger				
	<input type="checkbox"/> Steel angle anchorage				

FLOOR

Beam	<input type="checkbox"/> 2 x 10 x 10-ft Treated lumber				
	<input type="checkbox"/> 2 x 10 x 14-ft Treated				
Joist	<input type="checkbox"/> 2 x 10 x 8-ft Treated lumber				
	<input type="checkbox"/> 2 x 10 x 12-ft Treated lumber				
	<input type="checkbox"/> 2 x 10-ft Single joist hanger				
Low wall	<input type="checkbox"/> 2 x 4 x 10-ft Treated lumber				
	<input type="checkbox"/> 2 x 4 x 12-ft Treated lumber				
Header	<input type="checkbox"/> 2 x 10 x 10-ft Treated lumber				
Decking	<input type="checkbox"/> 1-1/4 x 6 x 10-ft Treated lumber				
	<input type="checkbox"/> 2 x 4 x 10-ft Treated lumber				
	<input type="checkbox"/> 2 x 6 x 10-ft Treated lumber				

RAILING

Post	<input type="checkbox"/> 4 x 4 x 8-ft Treated lumber				
	<input type="checkbox"/> 4 x 4 x 12-ft Treated lumber				
Handrail	<input type="checkbox"/> 2 x 4 x 8-ft Treated lumber				
	<input type="checkbox"/> 2 x 4 x 12-ft Treated lumber				
Bottom rail	<input type="checkbox"/> 2 x 4 x 8-ft Treated lumber				
	<input type="checkbox"/> 2 x 4 x 12-ft Treated lumber				
Finishing	<input type="checkbox"/> 48 in. x 96 in. Treated lumber lattice				
	<input type="checkbox"/> 8-ft "U" shaped lattice moulding				

FINISHING (LOW DECK)

Structure	<input type="checkbox"/> 2 x 4 x 8-ft Treated lumber				
	<input type="checkbox"/> 2 x 4 x 10-ft Treated lumber				
Finishing	<input type="checkbox"/> 1 x 6 x 5-ft Treated lumber				

6.

STAIRCASE

		Unit \$	Quantity	\$ total	Réno-Dépôt code
Structure	<input type="checkbox"/> 2 x 8 x 8-ft Treated lumber				
	<input type="checkbox"/> 2 x 8 x 10-ft Treated lumber				
	<input type="checkbox"/> 2 x 8 x 14-ft Treated lumber				
Joist	<input type="checkbox"/> 2 x 8-ft Single joist hanger				
Stringers	<input type="checkbox"/> 2 x 10 x 10-ft Treated lumber				
	<input type="checkbox"/> 2 x 12 x 10-ft Treated lumber				
	<input type="checkbox"/> 2 x 10 x 12-ft Treated lumber				
Treads	<input type="checkbox"/> 1-1/4 x 6 x 14-ft Treated lumber				
	<input type="checkbox"/> 1-1/4 x 6 x 16-ft Treated lumber				
	<input type="checkbox"/> 2 x 6 x 8-ft Treated lumber				
	<input type="checkbox"/> 2 x 4 x 10-ft Treated lumber				
	<input type="checkbox"/> 2 x 6 x 10-ft Treated lumber				
Riser	<input type="checkbox"/> 2 x 8 x 8-ft Treated lumber				
	<input type="checkbox"/> 2 x 8 x 10-ft Treated lumber				
	<input type="checkbox"/> 2 x 8 x 12-ft Treated lumber				
Post	<input type="checkbox"/> 4 x 4 x 8-ft Treated lumber				
Handrail	<input type="checkbox"/> 2 x 4 x 12-ft Treated lumber				
Bottom rail	<input type="checkbox"/> 2 x 4 x 10-ft Treated lumber				
	<input type="checkbox"/> 2 x 4 x 12-ft Treated lumber				
Finishing	<input type="checkbox"/> 1-1/4 x 4 x 8-ft Treated lumber				
	<input type="checkbox"/> 1-1/4 x 4 x 12-ft Treated lumber				
	<input type="checkbox"/> 48 in. x 96 in. Treated lumber lattice				
	<input type="checkbox"/> 8-ft "U" shaped lattice moulding				

PERGOLA AND PLANTER

Roof joist	<input type="checkbox"/> 2 x 8 x 10-ft Treated lumber				
	<input type="checkbox"/> 2 x 8 x 12-ft Treated lumber				
	<input type="checkbox"/> 2 x 8-ft Single joist hanger				
Base	<input type="checkbox"/> 2 x 4 x 12-ft Treated lumber				
Corner	<input type="checkbox"/> 2 x 4 x 10-ft Treated lumber				
Interior	<input type="checkbox"/> 1/2 in. Std spruce plywood				
Finishing	<input type="checkbox"/> 1-1/4 x 4 x 8-ft Treated lumber				
	<input type="checkbox"/> 2 x 4 x 10-ft Treated lumber				
	<input type="checkbox"/> 1 x 6 x 5-ft Treated lumber				

HARDWARE

Structure	<input type="checkbox"/> Wall anchorage				
	<input type="checkbox"/> 3/8 in. x 2 in. Galvanized lag screws				
	<input type="checkbox"/> 3/8 in. x 2-1/2 in. Galvanized lag screws				
	<input type="checkbox"/> 3/8-in. Galvanized washer				
	<input type="checkbox"/> 3-in. Ext. Wood screws				
	<input type="checkbox"/> 3-1/2-in. Ardox galvanized nails				
	Joist	<input type="checkbox"/> 3/8 in. X 2-1/2 in. Galvanized lag screws			
Pergola	<input type="checkbox"/> 3/8 in. X 2 in. Galvanized lag screws				
	<input type="checkbox"/> 3/8-in. Galvanized washer				
Decking	<input type="checkbox"/> 2-1/2-in. Ext. Wood screws				
Hangers	<input type="checkbox"/> 1-in. Galvanized screws				
Finishing	<input type="checkbox"/> 2-in. Ext. Wood screws				

TOTAL

