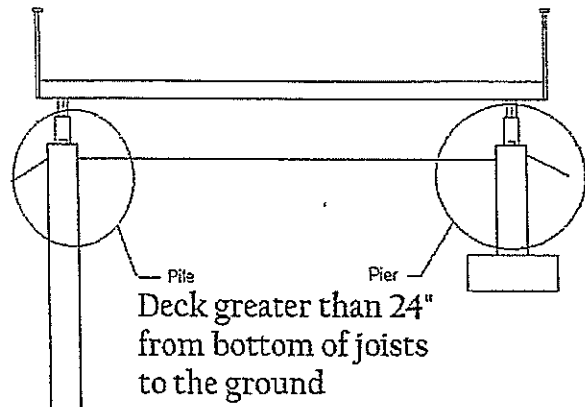


Deck Requirements Open with a Roof or Cover

Submit:

1. Deck Form or drawings that include the following items below:

- Deck size all dimensions
- Post, spacing, type, size and material
- Beam material, size and plies
- Pile, pad or pier designs and spacing
- Joist material, size and spacing
- Railing type, height and details
- Decking material
- Height deck is off the ground
- Stair details rise and run
- Roof Truss System
- Roof Beams, & connection to the house
- Roof Rafter Designs if not Trusses



Hand built trusses are not allowed. If rafter framing you must meet the requirements under NBC 9.23.13 "Roof and Ceiling Framing"

Foundations:

Decks supporting a roof, (greater than 32 sq. ft. and over 2' from the ground to the underside of the joists) require a foundation below frost.

- It must support 1.9kPa (40 lbs. per sq. ft.).
- Foundation can be a pile, a pier or engineered
- Piles must be a minimum of 8" x 8' for decks up to 100 sq. ft.
- Piles must be a minimum of 12" x 12' for decks greater than 100 sq. ft. and/or supporting a roof
- Piers must have a minimum of 24 x 24 x 6" footing and a 12" round column
- Piers must extend below frost 1.2M (4')
- Posts for the deck must be secured with X-bracing to prevent racking
- You must have access to the underside of deck if it requires leveling

Suggested Spans	Type	2x6	2x8	2x10
	Joist span 16" o/c	9'-4"	12'-4"	14'-6"
	Joist span 24" o/c	8'-2"	10'-9"	13'-6"
	Max Cantilever Joist	12"	16"	24"
	2-ply beam span joist length 8'	6'-6"	8'-6"	10'-0"
	2-ply beam span joist length 10'	6'-0"	8'-0"	9'-6"
	2-ply beam span joist length 12'	5'-6"	7'-0"	8'-0"
	3-ply beam span joist length 8'		10'-0"	13'-0"
	3-ply beam span joist length 10'		9'-6"	11'-6"
	3-ply beam span joist length 12'		8'-6"	10'-0"
	Maximum Cantilever Beams	1'-0"	1'-6"	2'-0"

Covered Deck Worksheet

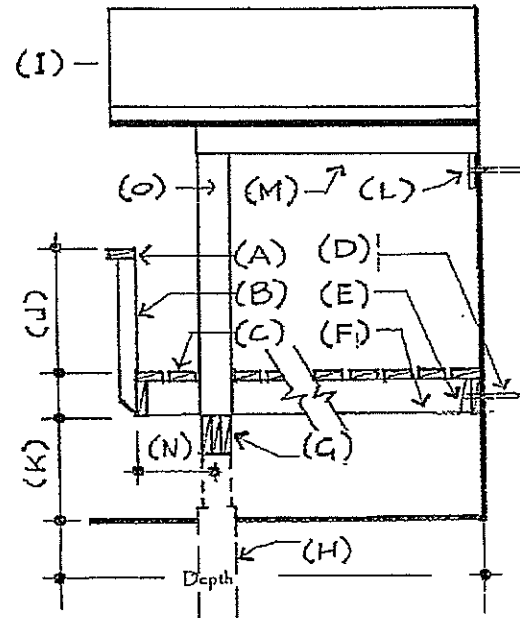
Form#
2010-040

Information	Name	
	Address	
	Phone#	
	Email	

Size	Deck A	Width		Depth	
	Deck B	Width		Depth	
	Deck C	Width		Depth	

NOTES:

- If your deck has multiple sizes and/or levels provide detailed drawings.
- Beams must be nailed together, set on top of the posts & secured with a metal bracket
- Decks Greater than 24" from ground and greater than 32 sq. ft. require Piles or Piers (H)
- Piles for decks supporting a roof be 12" x 12"



Item	Description (fill in details)
A	Railing Type: e.g.: Spindle, Glass, Metal:
B	Spacing between Balusters or edge of glass: Maximum spacing 4" (100mm) on center
J	Railing Height: 36", if >6' above ground 42":
C	Decking Type: e.g.: 2x6, 5/4 treated, Vinyl:
D	Anchorage to the house or foundation: Require 1/2" Bolts or lags 32" on center or better
E	Joist hangers: Are Required: Unless joists have 1 1/2 solid bearing below
F	Joist Type: e.g. 2x6, 2x8 2x10, Spruce or Fir:
G(deck)	Beam Type: e.g. 2x6, 2x8 2x10, Spruce or Fir:
G(deck)	Beam Plies: 2-ply, 3-ply 1-ply not allowed:
M(roof)	Beam Type: e.g. 2x6, 2x8 2x10, Spruce or Fir:
M(roof)	Beam Plies: 2-ply, 3-ply 1-ply not allowed:
L	Attachment of roof to the Existing house:
N	Maximum Cantilever: Joists and Beams:
O	Post type(minimum post size is 6x6 for roof):
O	Spacing between Posts: e.g. 8'0":
K	Height bottom of joists to the ground:
H	PIERS: Pier Type: e.g. 12" Concrete:
H	PIERS: Depth of Pier: minimum 48":
H	PIERS: Pad Size: :e.g. 24x24x6":
H	PILES: Pile size and depth (sec note below):
H	PILES: Screw Piles: Type, Depth and Brand:
I	Roof System: e.g. Roof Trusses 24" o/c:
I	Rafters: Type, Size, Spacing e.g. 2x4@24"o/c: