

# FREESTANDING DECKS

Standard rectangular deck up to a maximum of 600 sq.ft., maximum width of 14 ft. (floor joist length), maximum height of 30 in. above grade, and built similar to these example drawings.

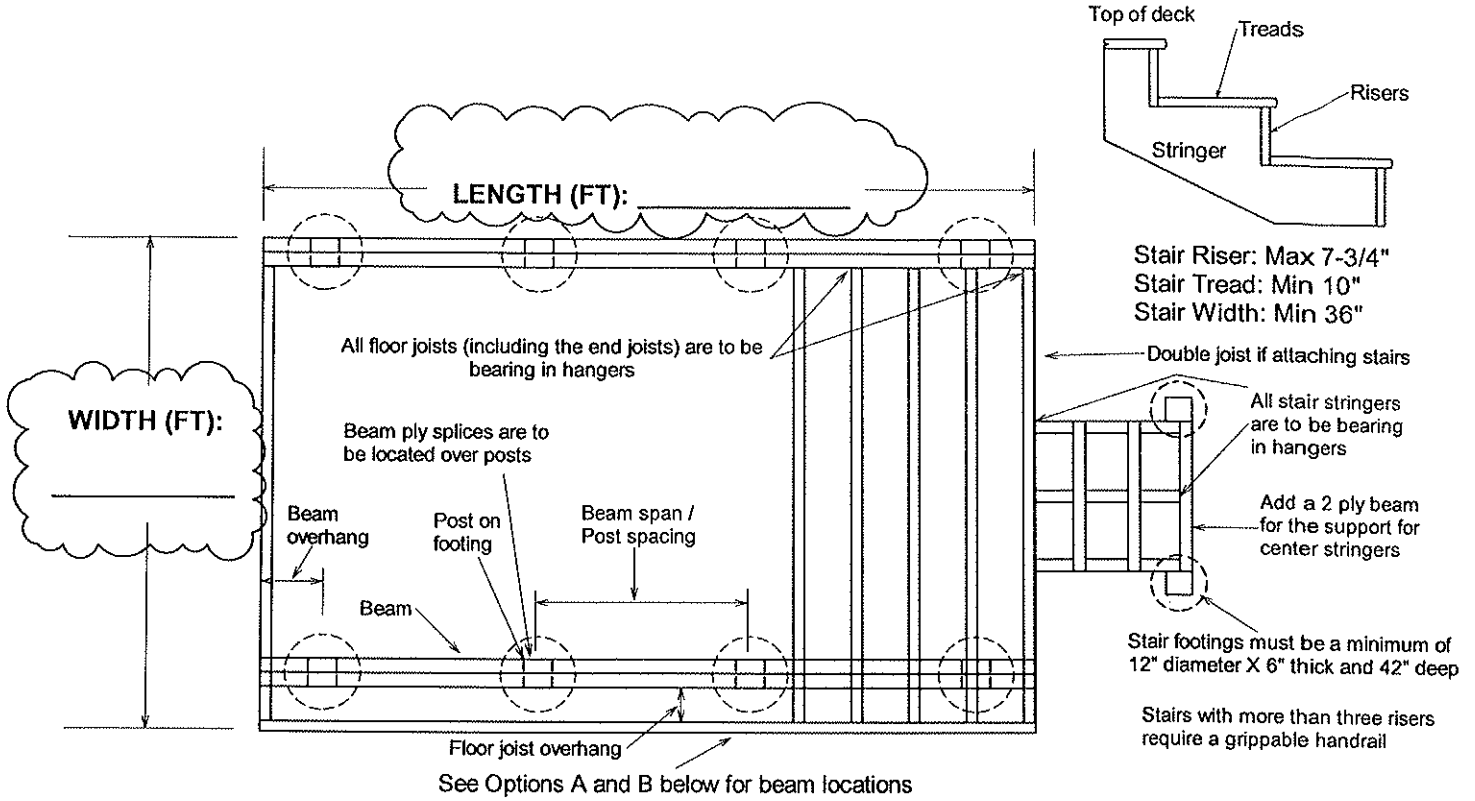
ISSUED

PERMIT #

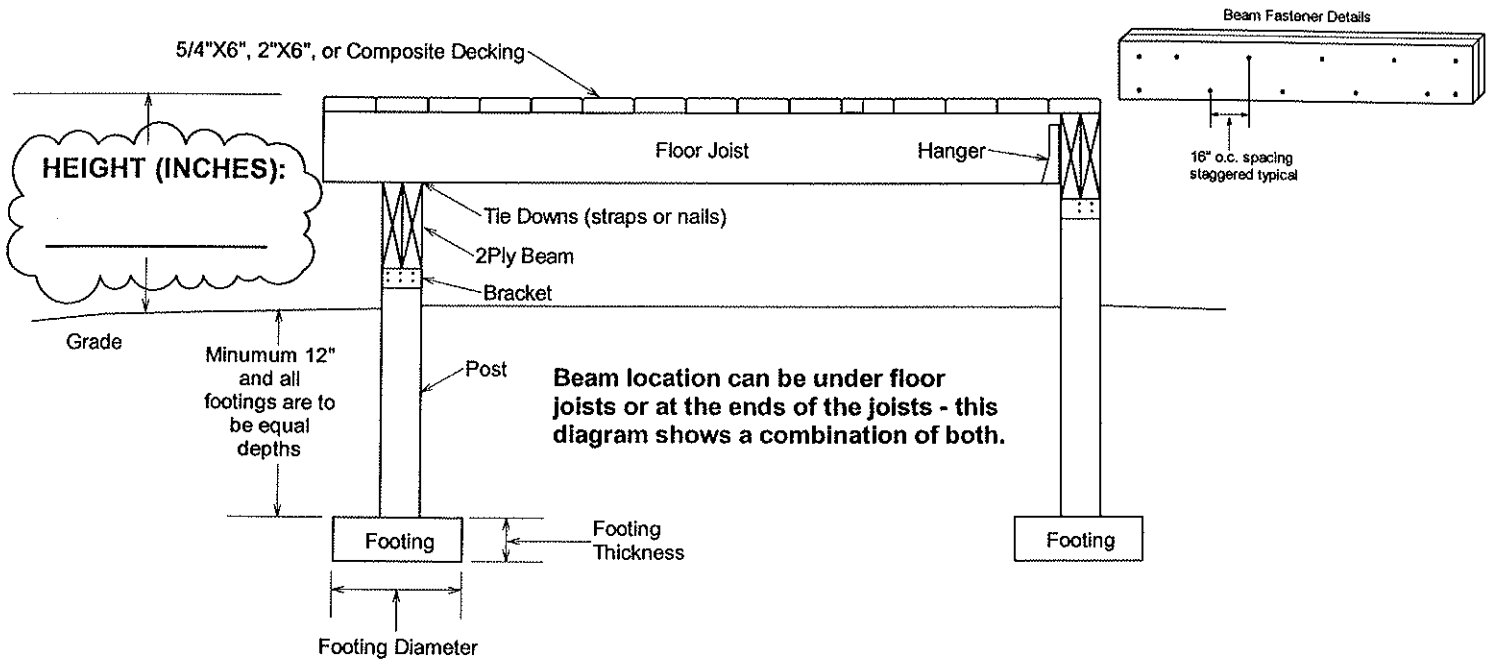
## OVERHEAD VIEW EXAMPLE

(Framing design may be slightly different than shown but built to the details on the following page)

\*\*Please fill in the Width, Length, and the Height of the deck\*\*



All fasteners, brackets, and hangers are to be rated for use with treated wood



**OPTION A**

**OPTION B**

See table on the second page for framing and footing details

# ALLOWABLE FRAMING DETAILS FOR FREESTANDING DECKS <sup>(b), (c)</sup>

Up to 600 sq.ft., max. 14 ft. wide, 30" or less from grade to the top of the decking, and do not include a roof or walls.  
 The following information is intended as a simplified guide only and the details included meet or exceed the minimum code requirements.

Width of deck	Floor Joists Spaced max. 16" o.c.	Beam Using a max. cantilever of 1 ft. and max. post spacing of 6 ft.	Footings (round) With 4X4 post
4ft (and less)	Can use 2" x 6" joists with a maximum joist cantilever of 8in	2 ply 2" x 6"	12" Diameter x 6" Thick
6ft	Can use 2" x 6" joists with a maximum joist cantilever of 1ft	2 ply 2" x 8"	12" Diameter x 6" Thick
8ft	Can use 2" x 6" joists with a maximum joist cantilever of 1ft	2 ply 2" x 8"	12" Diameter x 6" Thick
10ft	Can use 2" x 8" joists with a maximum joist cantilever of 1ft 8in	2 ply 2" x 10"	14" Diameter x 6" Thick
12ft	Can use 2" x 10" joists with a maximum joist cantilever of 2ft	2 ply 2" x 10"	15" Diameter x 6" Thick
14ft	Can use 2" x 12" joists with a maximum joist cantilever of 2ft 4in	2 ply 2" x 12"	16" Diameter x 6" Thick

(a) 1/2" diameter (or equal) X 3-3/4" long lag screw with maximum 1/2" sheathing.

(b) Lumber is assumed to be S.P.F. (Spruce-Pine-Fir) Grade #2 or better.

(c) Details of this table are based on normal loading: Live Load (people load only)-40 lbs/sq ft, Dead Load (weight of framing)-10 lbs/sq ft, and 90 MPH winds. Decks supporting other loads such as air conditioners or hot tubs will require full plan review. Please consult staff.