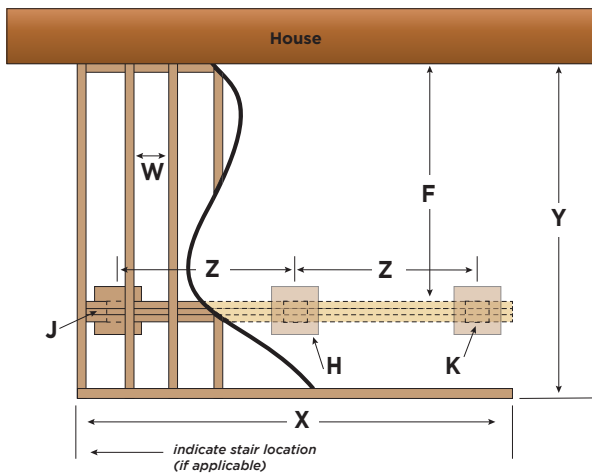
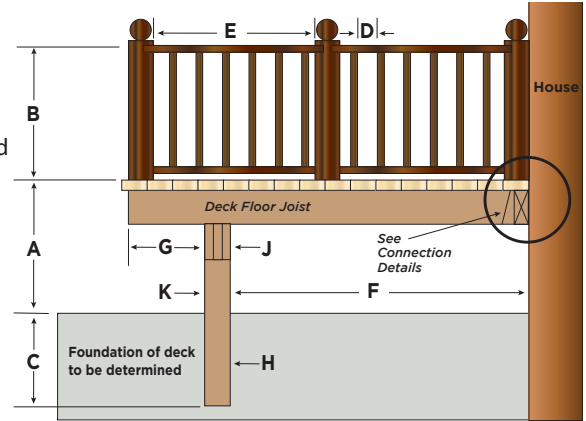


Deck Building Permit Application Information

Acceptable Spans for Deck Beams and Joists



Note: Modular and factory built homes must not have attached deck; therefore, deck must be self supporting.
If your home is factory made and the deck is attached, then contact the City Building Inspector for instructions.



Wood Beam Size (J) (National Building Code)

Wood Beam Size (J)	Supported Joist length of Wood Deck Joists				
	'Supported Joist' length means 1/2 the sum of the joist spans on both side of the beam (1/2 of "F" + "G" = Supported Joist Length. Round up to Nearest Length)				
	8'-0" (2.4 m)	10'-0" (3.0 m)	12'-0" (3.6 m)	14'-0" (4.2 m)	16'-0" (4.8 m)
	Maximum Span of Wood Beam between Columns (Z)				
3 - 2" x 8" (3 - 38 mm x 184 mm)	10' (3.07 m)	9'-4" (2.85 m)	8'-7" (2.63 m)	8' (2.44 m)	7'-6" (2.28 m)
4 - 2" x 8" (4 - 38 mm x 184 mm)	10'-2" (3.38 m)	10' (3.14 m)	9'-8" (2.95 m)	9'-2" (2.8 m)	8'-7" (2.63 m)
3 - 2" x 10" (3 - 38 mm x 235 mm)	12'-10" (3.92 m)	11'-6" (3.52 m)	10'-6" (3.22 m)	9'-9" (2.98 m)	9'-2" (2.79 m)
4 - 2" x 10" (4 - 38 mm x 235 mm)	14'-2" (4.32 m)	13'-2" (4.01 m)	12'-2" (3.71 m)	11'-4" (3.44 m)	10'-7" (3.22 m)
3 - 2" x 12" (3-38 mm x 286 mm)	15' (4.57 m)	13'-4" (4.09 m)	12'-4" (3.73 m)	11'-4" (3.46 m)	10'-6" (3.23 m)
4 - 2" x 12" (4-38 mm x 286 mm)	17'-4" (5.25 m)	15'-6" (4.72 m)	14'-2" (4.31 m)	13' (3.99 m)	12'-3" (3.73 m)

Wood Joist Size (W) (National Building Code)

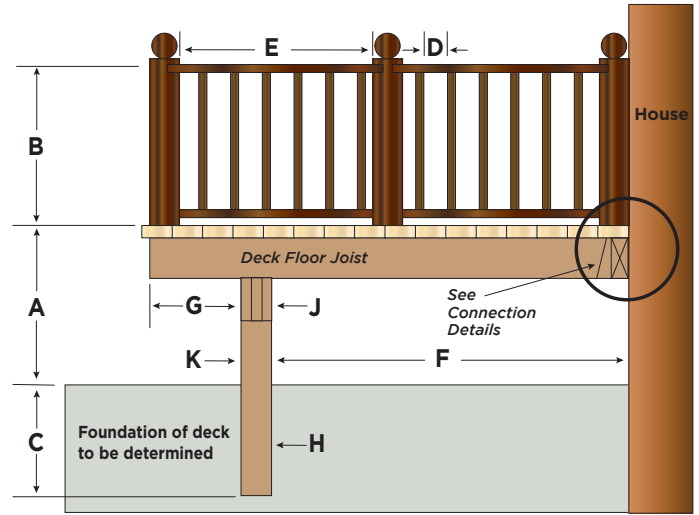
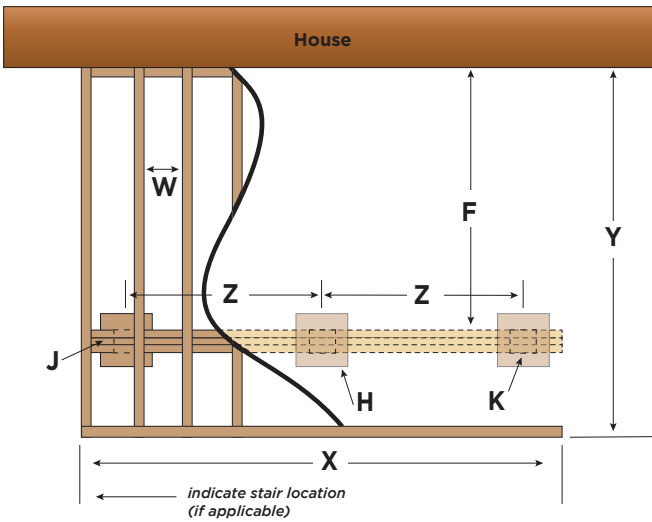
Joist Lumber Size (W)	Spacing of Joists (on Centre) (W)	Maximum Span between supports (F)	Spacing of Joists (on Centre) (W)	Maximum Span between supports (F)	Spacing of Joists (on Centre) (W)	Maximum Span between supports (F)
2" x 6" (38 x 140 mm)	12" (300 mm)	9'-4" (2.86 m)	16" (400 mm)	8'-6" (2.60 m)	24" (600 mm)	7'-5" (2.27 m)
2" x 8" (38 mm x 184 mm)	12" (300 mm)	12'-4" (3.76 m)	16" (400 mm)	11'-2" (3.42 m)	24" (600 mm)	9'-9" (2.99 m)
2" x 10" (38 mm x 235 mm)	12" (300 mm)	15'-9" (4.81 m)	16" (400 mm)	14'-4" (4.37 m)	24" (600 mm)	12'-6" (3.82 m)
2" x 12" (38 mm x 286 mm)	12" (300 mm)	19'-2" (5.85 m)	16" (400 mm)	17'-5" (5.31 m)	24" (600 mm)	15'-2" (4.64 m)

Footing Options (H)

Deck foundations must be equal in design to the dwelling; if attached to a commercial building, then contact Building Official.
The use of buried wood posts for any deck is prohibited.



Deck Building Permit Application Information



Refer to Diagrams

Dimension

Dimension	Refer to Diagrams	Dimension
A	Height of Deck above Finished Grade (Ground Level)	
B	Height of Deck Guard (Handrail)	
C	Deck foundations must be equal in design to the dwelling; if attached to a commercial building, an appropriate review by professional is required.	
D	Openings in Guard Maximum 100mm (4") Opening	
E	Distance Between Guard Posts – Maximum 2.4m (8') Apart-Minimum 4"x4"	
F	Span of Floor Joist (See Chart)	
G	Cantilever Distance (if Applicable)	
H	Column Footing Size & Type (See Section)	
J	Beam Size (See Chart)	
K	Wood Column Supporting Wood Beam Minimum Column Size 140mm x 140mm (6"x6")	
W	Joist Size and Spacing	
X	Deck Width	
Y	Deck Length	
Z	Distance Between Support Columns	

Is Your Deck a Replacement

 YES

 NO

If **YES**, what are the dimensions for the original deck. _____

If **NO**, provide a Accessory Deck Development Checklist, which can be found on the Planning and Lands section.

Email City Planner: PlanningAndLands@Yellowknife.ca or call 867-920-5600

Building Permit Application can be made by: [Accessing our Online permitting software](#)

- ✓ A sketch of stairs and railing (guard) detail will be required.
- ✓ A sketch of connection details will be required.

Construction that varies from the approved plans shall be re-submitted for review by The City of Yellowknife.

***This pamphlet has no legal status and cannot be used as an official interpretation of the various codes and regulations currently in effect.*



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(867) 920-5600 | BuildingServices@yellowknife.ca | yellowknife.ca