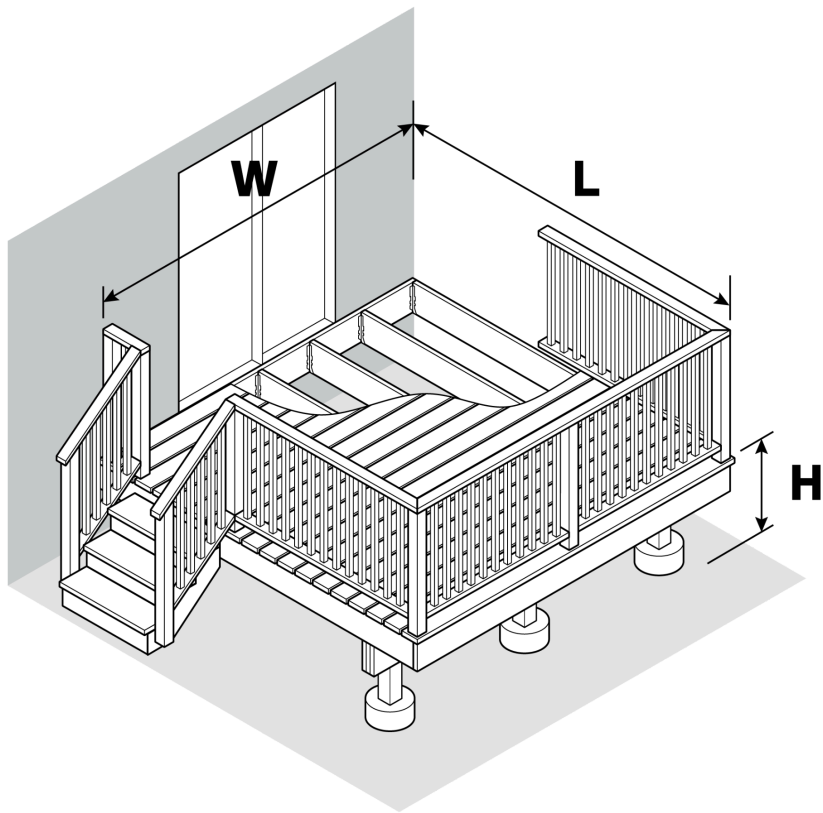


UNCOVERED DECK DESIGN



Visit edmonton.ca/deckpermit for application rules and requirements.
 Read the [Deck Design Guide](#) for more information.

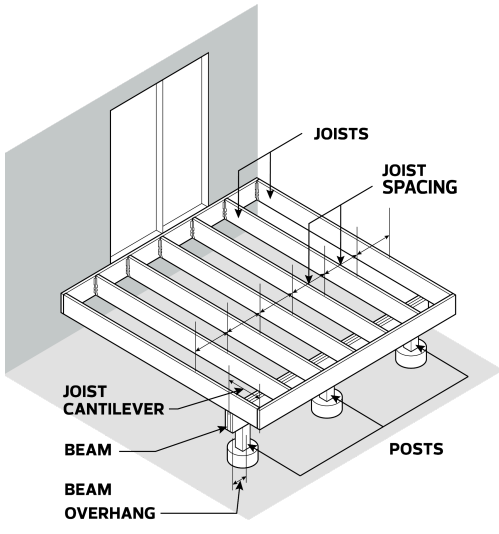
Project Address:			
DIMENSIONS Specify units of measurement (feet/metres).			
Length (L):			
Width (W):			
Height (H): (from lowest ground)			
Is the deck over 5'-11" (1.8 m) high?		<input type="checkbox"/> No	<input type="checkbox"/> Yes (see engineering requirements - page 3)
CONSTRUCTION DETAILS Select one in each row.			
Number of levels or tiers	<input type="checkbox"/> Single platform and single beam	<input type="checkbox"/> Multi-level deck or multiple beams	
Deck shape	<input type="checkbox"/> Square or rectangular	<input type="checkbox"/> Irregular	
For multi-level, multiple beam and/or irregular shape decks, or decks of unconventional material, provide construction drawings for review. Read the Deck Design Guide for more information.			



Deck Design | 02.21

The personal information collected on this form is collected under the authority of section 33(c) of the Freedom of Information and Protection of Privacy Act (Alberta). It will be used to process your deck permit application. If you have questions or concerns about the collection, use, disclosure or destruction of the personal information collected on this form, please contact Service Advisor, Edmonton Service Centre, 2nd Floor, 10111 104 Avenue NW, Edmonton, AB, T5J 0J4, 780-442-5054.

JOISTS¹ Select **one** joist size and spacing based on deck length to determine maximum allowable joist span and cantilever.

	MAXIMUM JOIST SPAN					
	Joist Size	On-Centre ² JOIST SPACING				plus maximum optional additional cantilever
		8"	12"	16"	24"	
2" x 4"	<input type="checkbox"/> 7'-4"	<input type="checkbox"/> 6'-5"	<input type="checkbox"/> 5'-10"	<input type="checkbox"/> 5'-1"	8"	
2" x 6"	<input type="checkbox"/> 11'-6"	<input type="checkbox"/> 10'-0"	<input type="checkbox"/> 9'-1"	<input type="checkbox"/> 8'-0"	16"	
2" x 8"	<input type="checkbox"/> 14'-10"	<input type="checkbox"/> 13'-0"	<input type="checkbox"/> 11'-5"	<input type="checkbox"/> 9'-4"	16"	
2" x 10"		<input type="checkbox"/> 16'-2"	<input type="checkbox"/> 14'-0"	<input type="checkbox"/> 11'-5"	24"	
2" x 12"			<input type="checkbox"/> 16'-3"	<input type="checkbox"/> 13'-3"	24"	

BEAM¹ Select **one** beam, based on desired post spacing option for the deck length.

Beam	Maximum Deck Length (L)	On-Centre ² POST SPACING up to:		Maximum Deck Length (L)	On-Centre ² POST SPACING up to:
<input type="checkbox"/> 1-ply 2" x 6"	5'-0"	6'-0"	or	13'-0"	4'-0"
<input type="checkbox"/> 2-ply 2" x 6"	16'-0"	6'-0"	or	18'-0"	5'-0"
<input type="checkbox"/> 2-ply 2" x 8"	16'-0"	7'-0"	or	18'-0"	6'-0"
<input type="checkbox"/> 3-ply 2" x 8"	16'-0"	10'-0"	or	18'-0"	9'-0"
<input type="checkbox"/> 2-ply 2" x 10"	16'-0"	9'-0"	or	18'-0"	8'-0"
<input type="checkbox"/> 3-ply 2" x 10"	16'-0"	12'-0"	or	18'-0"	12'-0"
<input type="checkbox"/> 2-ply 2" x 12"	16'-0"	10'-0"	or	18'-0"	9'-0"
<input type="checkbox"/> 3-ply 2" x 12"	16'-0"	14'-0"	or	18'-0"	13'-0"

BEAM OVERHANG From the centre of the supporting post at the beam end, a 2- or 3-ply beam may extend up to 9" in the case of a 6" beam; 12" for a 8" beam; 15" for a 10" beam; 18" for a 12" beam.

POSTS Select one post size based on beam width and deck height.

- | | |
|---|---|
| <input type="checkbox"/> Minimum 4" x 4" posts for 2-ply beams for decks up to and including 5'-11" (1.8 m) high | <input type="checkbox"/> Minimum 6" x 6" posts for any 3-ply beam and decks over 5'-11" (1.8 m) high |
|---|---|

¹ S-P-F #1 & #2 Factory Treated Lumber

² "On-Centre", measured from centre to centre of support

COMPLETE ONLY **ONE** OF THE FOLLOWING TABLES

Read the [Deck Design Guide](#) for more information.

DECK UP TO 1.8 m (5'-11") HIGH		
By checking "yes" you acknowledge the deck will be constructed to the following requirements.		
FOUNDATION (Select one)	Post and pier block: supported on pads and on well-drained compacted soil	<input type="checkbox"/> Yes
	OR Piles: concrete or metal (screw piles)	<input type="checkbox"/> Yes
STAIRS (Select one)	Stairs have uniform: Rise: 5" - 7 $\frac{7}{8}$ " Run: 10" - 14" Nosing: 0" - 1"	<input type="checkbox"/> Yes <input type="checkbox"/> No Stairs
GUARDS AND HANDRAILS (Select all)	Guard (railing) height minimum 0.9 m (36")	<input type="checkbox"/> Yes
	No gaps greater than 100 mm (4") between spindles or under guard	<input type="checkbox"/> Yes
	Handrails are smooth, graspable, and mounted 34" - 42" above stairs, measured vertically through stair nosing	<input type="checkbox"/> Yes
DECKING (Select one)	Lumber: \leq 5/4" wood decking on joists \leq 16" o.c. OR 1 $\frac{1}{2}$ " wood decking on joist \leq 24" o.c.	<input type="checkbox"/> Yes
	Manufactured decking OR decking membrane: submit CCMC OR product specification indicating current NBC(AE) or NBC compliance	<input type="checkbox"/> Yes

DECK OVER 1.8 m (5'-11") HIGH and UP TO 3.6 m (11'-10") HIGH		
By checking "yes" you acknowledge the deck will be constructed to the following requirements.		
FOUNDATION	I have provided site-specific engineered foundation design showing post/pile specifications, locations, and pile-to-post connection. <i>Note: Generic pile torque sheets do not meet the criteria for site-specific foundation engineering.</i>	<input type="checkbox"/> Yes
STAIRS (Select one)	Steps have uniform: Rise: 5" - 7 $\frac{7}{8}$ " Run: 10" - 14" Nosing: 0" - 1"	<input type="checkbox"/> Yes <input type="checkbox"/> No stairs
GUARDS AND HANDRAILS (Select all)	Guard (railing) height minimum 1.07 m (42")	<input type="checkbox"/> Yes
	No gaps greater than 100 mm (4") between spindles or under guard	<input type="checkbox"/> Yes
	Handrails are smooth, graspable, and mounted 34"-42" above stairs, measured vertically through nosing	<input type="checkbox"/> Yes
	Guard (railing) is wood OR submitting CCMC evaluation or engineering for manufactured metal, vinyl or glass products obtained from guard supplier	<input type="checkbox"/> Yes
DECKING (Select one)	Lumber: \leq 5/4" wood decking on joists \leq 16" o.c. OR 1 $\frac{1}{2}$ " wood decking on joist \leq 24" o.c.	<input type="checkbox"/> Yes
	Manufactured decking OR decking membrane: submit CCMC evaluation OR product specification indicating current NBC(AE) or NBC compliance	<input type="checkbox"/> Yes

DECK OVER 3.6 m (11'-10") HIGH		
By checking "yes" you acknowledge the deck will be constructed to the following requirements.		
Engineering	I have provided site-specific engineered drawings for deck foundation, columns, beam(s), joists, guards, stringers, bracing and all connections including deck ledger to house frame; joists to ledger; joists to beam; beam to posts; posts to foundation.	<input type="checkbox"/> Yes