



BUILDING PERMIT APPLICATION

DECK

53109A Hwy 779
Parkland County, AB T7Z 1R1
Phone: 780-968-8888
Fax: 780-968-3225
Email: safetycodes@parklandcounty.com

DP # Not Required DP Appeal Deadline n/a Division No. Roll #

Applicant: Phone: Cell:
Address: City: Postal Code:
Fax: E-mail:
Property Owner: Phone: Cell:
Address: City: Postal Code:
Fax: E-mail:
Contractor: Phone: Cell:
Address: City: Postal Code:
Fax: E-mail:

Deck Size Construction Value \$
Please check one: Uncovered Covered
Municipal Address (if applicable)
Legal Land Description W of Meridian Range Twp. Section Quarter
Subdivision Name (if applicable) Plan Block Lot
Permit Applicant Declaration: The permit applicant certifies that this installation will be completed in accordance with the Alberta Safety Codes Act and Regulations.
Applicant Name Signature Date

Plans Reviewed:
Permit # Issued:
Issued By:
Designation No:
Signed

Permit Fee \$
Safety Codes Fee (4% of Permit Fee or \$4.50 Min.)
TOTAL FEES \$
Payment Information: Cash Cheque Visa M/C
Receipt No.

Conditional on meeting requirements of Plans Examination and Alberta Building Code 2014.
FOIP Notification: The personal information you provide will be used for the purpose of processing permit applications, issuing permits, safety codes compliance monitoring and verification.

For Office Use Only – Credit Card Authorization

PAYMENT AMOUNT: _____

Card Holder: _____

Card #: _____

Expiry Date: _____ **CSV #** (3 digit # on back of credit card) _____

Signature: _____

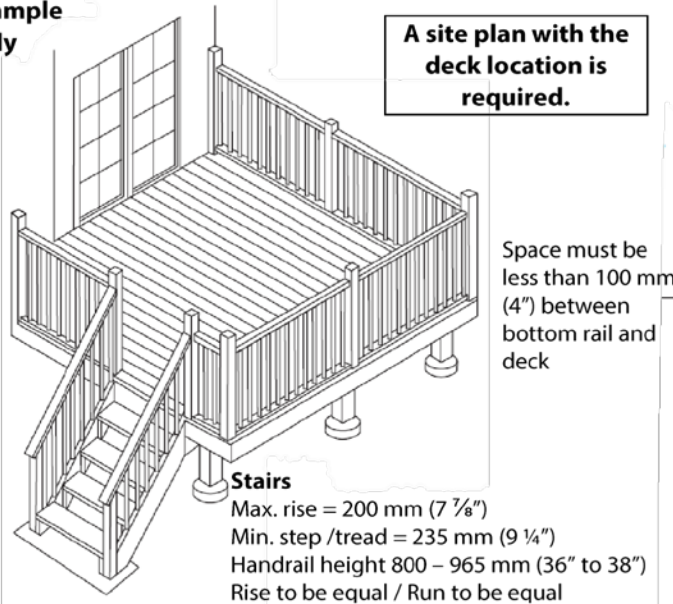
Please note that permits will not be processed until payment is received.

The application can be dropped off at our office, emailed to safetycodes@parklandcounty.com, mailed/couriered or via faxed to 780-968-3225.

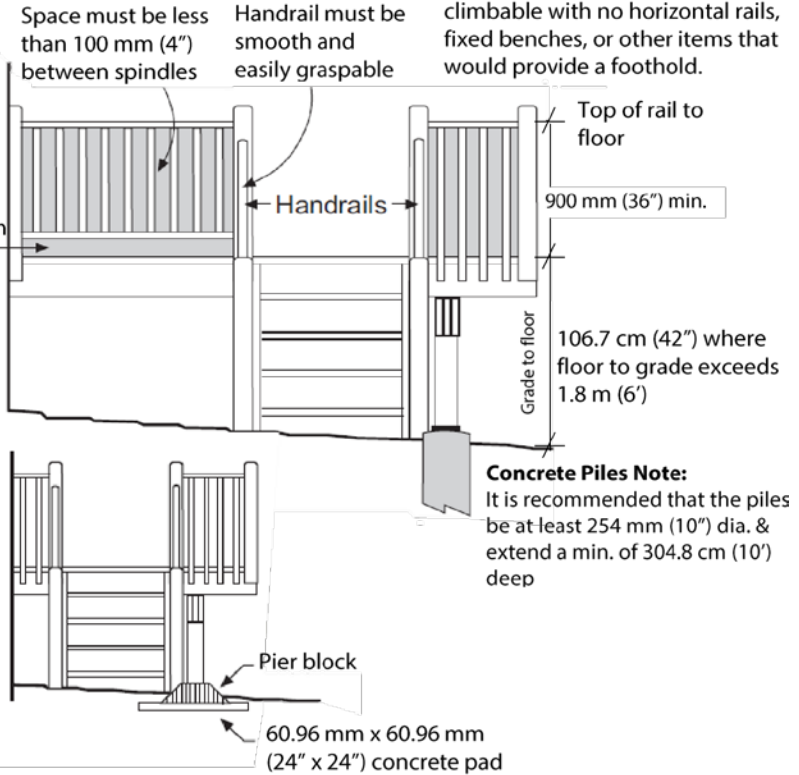
RESIDENTIAL DECK CONSTRUCTION DETAILS

Treated lumber or acceptable coating is required for all decks.

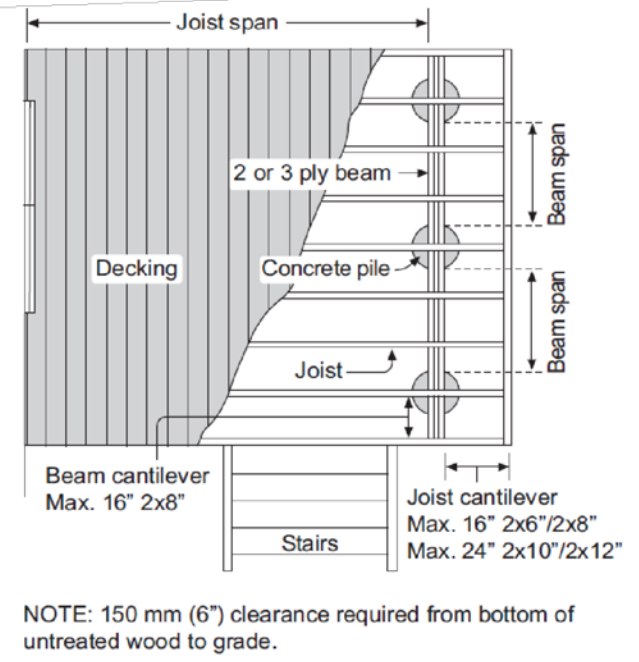
Example Only



Guardrail Designs



Framing Details



Foundation Options

Cast in place piles are recommended.

Surface foundations are acceptable when deck area is less than 592 ft² and deck height is no more than 24" measured from underside of joists to finished grade. Access must be provided to the space for adjustment.

Permanent Foundations

If a roof structure or other enclosure will be constructed, permanent foundations such as engineered piles or concrete walls are required.

Additional detail drawings must be submitted for review.

Maximum Framing Spans				
Joist Span	16" o.c.	24" o.c.	Beam Span	Post Spacing
2" x 6"	9' - 4"	8' - 2"	3 - 2" x 8"	9' - 9"
2" x 8"	11' - 7"	10' - 9"	3 - 2" x 10"	11' - 11"
2" x 10"	13' - 8"	12' - 11"	3 - 2" x 12"	13' x 10"
2" x 12"	15' x 7"			

Max. joist cantilever if using 2" x 6" or 2" x 8" joists

Deck Construction Details	
Deck floor above ground height	_____
Joist size and spacing	_____
Beam size and post spacing	_____
Foundation type (pile size or pad ftgs.)	_____
Guardrail and handrail height	_____
Applicant name (print)	_____
Address	_____
Telephone	_____ Date _____

BUILDING CODE GUIDELINES FOR DECK CONSTRUCTION

The wood posts or columns shall be pressure treated where they are in contact with the ground or the vertical distance between the wood and ground is less than 150 mm (6 inches).

The rise and run of the deck stairs shall be uniform and each stair rise (step) shall be equal and the stair rise shall have a minimum rise of 125 mm (5 inches) and a maximum stair rise (step) not greater than 200 mm (8 inches) and the minimum stair tread width shall be not less than 235 mm (10 inches).

Guards and handrails are required on each side of deck stairs having more than 3 risers (steps).

Where the height of the deck is less than 1.8 metres (6 feet) from top of deck to finished grade, the guards for the deck shall be not less than 900 mm (36 inches) high.

Where the height of the deck is greater than 1.8 metres (6 feet) from top of deck to finished grade, the guards for the deck shall be not less than 1,070 mm (42 inches) high.

The space between the spindles for the guards shall be not greater than 100 mm (4 inches).

The deck guards cannot have any framing, attachments or openings that will facilitate climbing.

The wood columns or posts that support the deck beams shall be not less than 100 mm by 150 mm (4 inches by 6 inches) or 150 mm by 150 mm (6 inches by 6 inches).

The foundation system for the attached deck shall be of type that penetrates the local frost line for Parkland County.

1. Concrete piles that are 305 mm (12 inches) by 3.660 metres (12 feet) deep below grade level complete with 2-15M vertical rebar in each pile. The piles shall be not spaced more than 3.660 metres (12 feet) apart.
2. Pre-engineered steel helix piles (screw piles) - the spacing and depth of each screw pile depends on the manufacturer and design parameters, such as soil conditions, size, spacing and allowable supported structural loads on each pile.

Note: Alternative Foundation systems will require approval from a Professional Engineer.

The deck joists shall have solid blocking installed between each deck joists or continuous wood strapping on the underside of deck joists where the clear span of the joists exceed 2.1 metres (7 feet).

The deck joists cannot cantilever more than 600 mm (24 inches) over the beam in any direction.

The deck beams cannot cantilever more than 600 mm (24 inches) over the supporting foundation or pile.

Please note although the table refers to greater beam spans, the pile spacing cannot exceed 3.66 metres (12 feet) on centre.

METRIC TABLE

Deck Joists	38mm x 184 mm		38mm x 235 mm		38mm x 286 mm	
Joist Spacing	400 mm	600 mm	400 mm	600 mm	400 mm	600 mm
Maximum Joist Span	3.72 m	3.27 m	4.38 m	4.17 m	5.00 m	4.75 m

Note: All dimension are in millimetres and metres

Deck Beams	38mm x 184 mm 3 ply	38mm x 235 mm 3 ply	38mm x 286 mm 3 ply
Max Beam Spans	3.35 metres	4.26 metres	4.9 metres

Note: All dimension are in millimetres and metres

IMPERIAL TABLE

Deck Joists	2 inches X 8 inches		2 inches X 10 inches		2 inches X 12 inches	
Joist Spacing	16 inches	24 inches	16 inches	24 inches	16 inches	24 inches
Maximum Joist Span	12 feet – 2 inches	10 feet-9 inches	14 feet-4 inches	13 feet-8 inches	16 feet-5 inches	15 feet-7 inches

Note: All dimension are in Imperial

Deck Beams	2 inches X 8 inches 3 Ply	2 inches X 10 inches 3 Ply	2 inches X 12 inches 3 Ply
Max Beam Spans	11 feet-0 inches	14 feet-0 inches	16 feet-0 inches

Note: All dimension are in Imperial

Checklist Deck

If a deck is under two feet (24") above final grade on all sides and is not covered a building permit is not required.

- Complete Building Permit Application Form
- Site Plan to include:
 - Distances to all applicable property lines and buildings
 - Perimeter deck dimensions
 - Indicate North on diagram
- Complete the Deck Construction Details Form
- For a **Covered Deck** include:
 - Foundation – if a roof structure or other enclosure will be constructed, permanent foundations options would include:
 - * Engineered cast in place concrete piles,
 - * Engineered screw piles
 - * Reinforced SONO tube placed 5 feet below grade on pad footing
 - Truss Layout and details from truss manufacturer; or
 - Rafter and ceiling joist details when constructed with dimensional lumber.

NOTE:

- Decks must be constructed within your property boundary.
- Decks cannot be located on or over an easement or right-of-way.
- Decks cannot be constructed over gas lines, a gas meter and/or gas shut-off.