



## APPLICATION DRAWINGS FOR FRAME RAIL SUPPORTED SINGLE-WIDE & DOUBLE-WIDE MANUFACTURED HOMES

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*Note that this package is only suitable for simple mobile home installation including stairs.  
\*\*If the stairs and landings exceed the maximum allowable, traditional construction drawings  
must be provided by the owner and an additional building permit will be required.*

The Cariboo Regional District requires information about the installation of manufactured housing prior to issuing a building permit. The owner of the land, or their agent, must submit an application for a building permit along with information about the proposed installation. It should be noted that if an agent submits the application, it is the owner who is ultimately responsible for ensuring compliance with the Cariboo Regional District building & zoning bylaws and the BC Building Code.

You may prepare and submit your own plans, providing they contain all the necessary information. Alternatively, you may “fill in the blanks” on the following forms and submit them with your completed building permit application form. Please note that these simplified forms are prepared for single and double-wide units with surface foundations only. The building inspector may require additional information.

Please complete the attached documents (page 2–5), which will form part of the application for a building permit to install a manufactured home. Include any additional information which makes the details of the project clear.

Questions may be directed to any of the Cariboo Regional District offices listed above or email: [building@cariboord.ca](mailto:building@cariboord.ca).

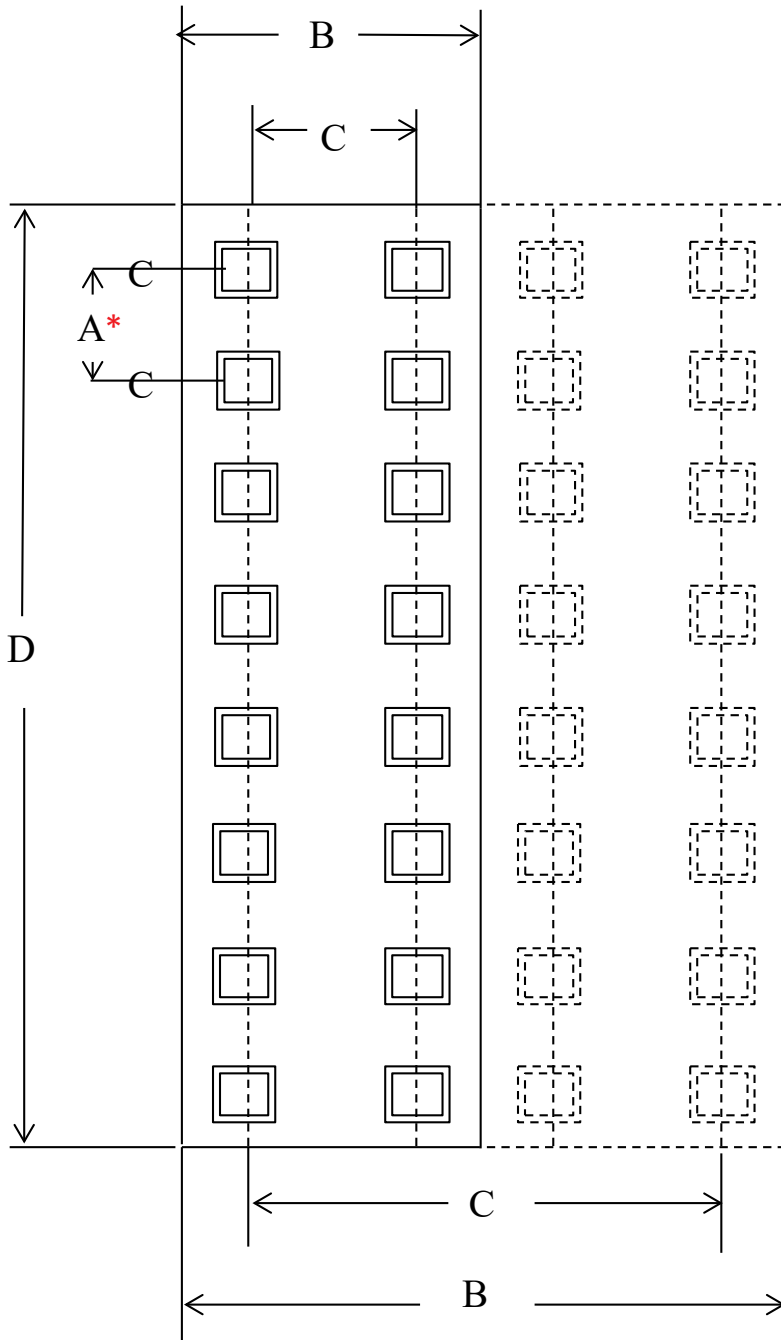


“Pursuant to section 26 of the Freedom of Information and Protection of Privacy Act (the Act), the personal information collected will only be used for the purposes of evaluating your application. Your personal information will not be released except in accordance with the Act.

Questions about the collection of your personal information may be referred to the Cariboo Regional District’s Manager of Corporate Services, Suite D, 180 North Third Avenue, Williams Lake, BC, V2G 2A4, 250-392-3351 or [mailbox@cariboord.ca](mailto:mailbox@cariboord.ca)”

Indicate below:

- A) The locations and spacing of the piers and footing pads;
- B) The width of the unit;
- C) The width between the frame rails (centre to centre);
- D) The length of the unit; and
- E) The locations of the ground anchors and attachment points (see pages 4 and 5).



A.\* \_\_\_\_\_  
B. \_\_\_\_\_  
C. \_\_\_\_\_  
D. \_\_\_\_\_

- Single Wide
- Double Wide

**CERTIFICATION:**

- Z-240MH
- A-277

**NOTE:**

Show manufacturer's centre wall blocking requirements on double-wide units.

\*Must meet required spacing from manufacturer. If no manufacturer data available, A max = 8'

Indicate below:

- A) The footing width;
- B) The footing thickness;
- C) The pier width; and
- D) The pier height (show the height of the tallest pier which is to be installed).

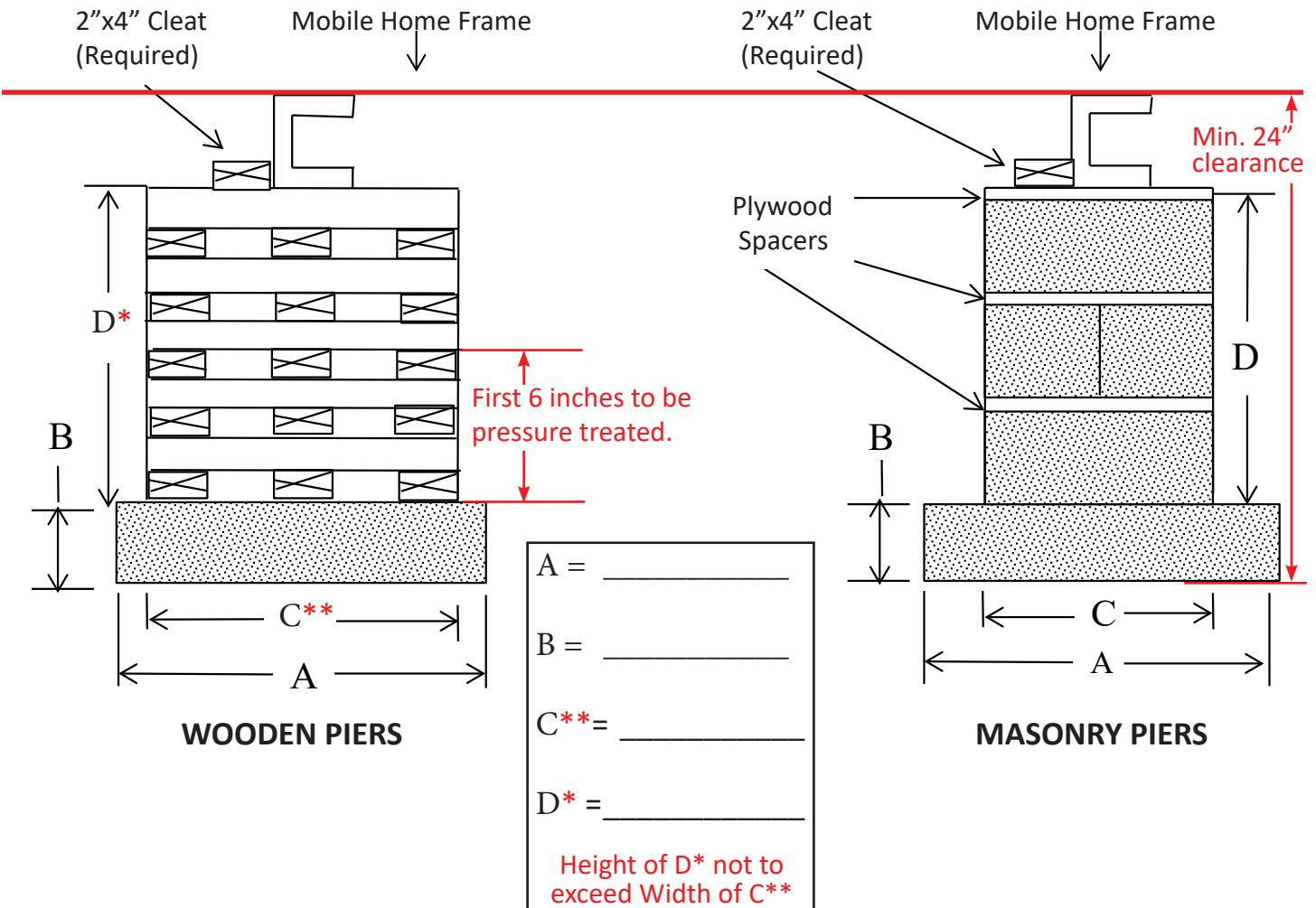
Please note that the underside of the floor joists are to be a minimum of 24" above grade level.

**TYPE OF PIER:**

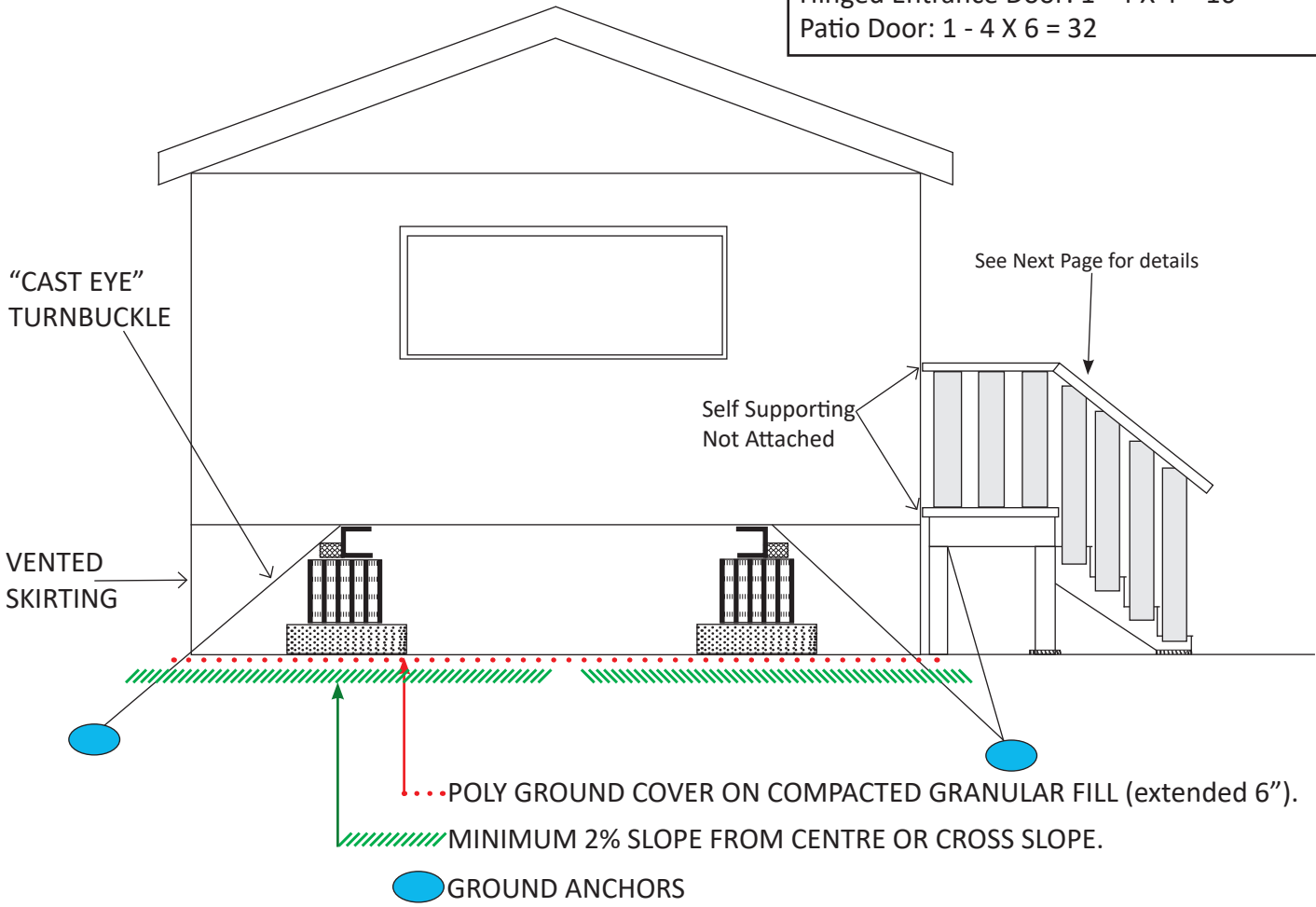
- Wood
- Concrete Blocks with Plywood Spacers
- Other – Describe: \_\_\_\_\_

**TYPE OF FOOTING:**

- Preserved Wood
- Pre-Cast Mobile Home Pads
- Cast in Place Concrete Pads
- Cast in Place Concrete Strip Footings
- Other - Describe \_\_\_\_\_
- Engineered Pads (Abosco)  
- Engineering required from supplier
- Screw Piles (Letter of Assurance (LOA)  
required from engineer



ENTRANCE LANDING/STAIRS DOOR = 4' X 6'  
 Hinged Entrance Door: 1 - 4 X 4 = 16  
 Patio Door: 1 - 4 X 6 = 32



<b>ANCHORS:</b>	<b>TYPE:</b>	<b>TIE-DOWNS:</b>
Number of anchors: _____	<input type="checkbox"/> Duck Bill _____	<input type="checkbox"/> Chain _____
Spacing anchors: _____	<input type="checkbox"/> Auger _____	<input type="checkbox"/> Cable _____
Max spacing = 40 Feet	<input type="checkbox"/> Spade _____	Diameter/ Size: _____
	<input type="checkbox"/> Dead-man: (describe _____)	
	<input type="checkbox"/> Other: (describe): _____	

**UNIT INFORMATION**  
 (required if no anchorage is proposed)

Unit weight: \_\_\_\_\_

Unit length: \_\_\_\_\_

Unit width: \_\_\_\_\_

Frame Rail spacing: \_\_\_\_\_

Pier width: \_\_\_\_\_

Pier height: \_\_\_\_\_

**To be filled in by the building inspector**

**ANCHORAGE REQUIRED:**

YES

NO

## GENERAL NOTES

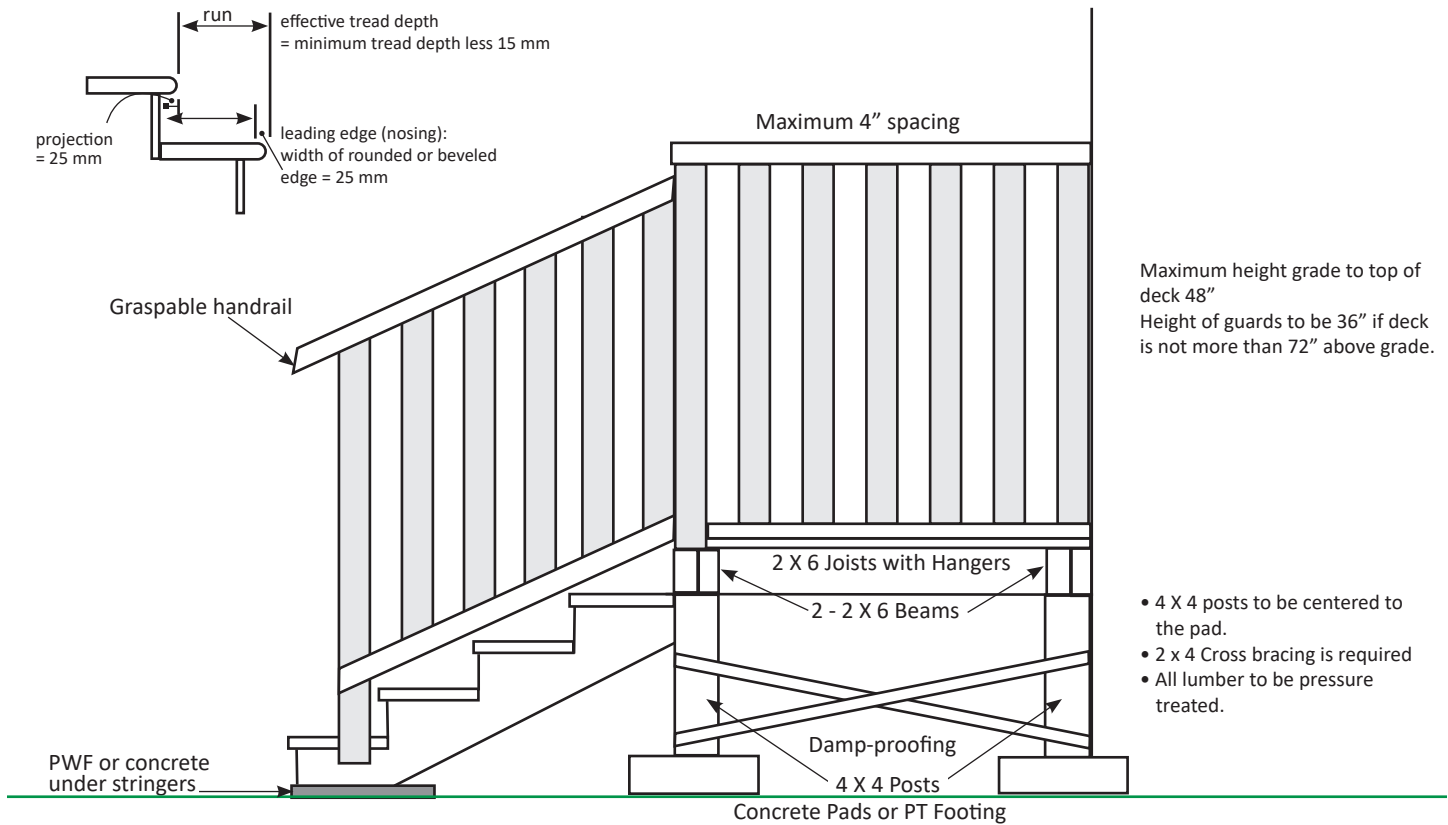
DESIGN FOR UP TO 20 SQUARE FEET LANDING ONLY

1. Guards are required on stairs and landings where the difference in elevation between adjacent ground level and the top of the stairs or landing exceeds 24"
2. Minimum width of stairs to be 36" and landings to be 36" X 36"
3. Maximum = 48" X 48" @ hinged entrance door (Quantity 2)
4. Maximum = 48" X 60" @ patio Doors (Quantity 1)
5. Maximum height grade to top of deck 48"
6. Height of guards to be 36"
7. 4 X 4 posts to be centered to the pad.
8. 2 x 4 Cross bracing is required
9. All lumber to be pressure treated.

	Maximum	Minimum
Risers	7 7/8"	5"
Run	14"	10"
Tread	15"	10"

Risers shall be of uniform height  
Treads shall be of uniform depth

The following diagram is for stairs and landings serving a CAN/CSA Z240 approved manufactured home



The BC Building Code states that Mobile homes are to be installed in accordance with the CAN/CSA Z-240.10.1 Standard. One requirement of this standard is that mobile homes must be anchored to the ground if they do not meet the overturning and pier toppling calculations as outlined on page 4 of this handout. If the proposed installation fails to meet these requirements, or if required information is unavailable, ground anchorage is required.

The ground anchors, when installed, must have a pullout resistance of at least 135 pounds for every foot of mobile home length. This pullout resistance shall be determined using recognized engineering practice, or for proprietary systems, from the anchor manufacturer's instructions for the soil type in question.

Acceptable tie-down components may include corrosion resistant wire rope, galvanized chain and "cast eye" turnbuckles, providing they have a strength rating at least equal to the minimum requirements.

## NOTES:

- Skirting design is to allow for ground movement due to frost.
- Vents in skirting to provide a minimum of 1 square foot of vent area per 500 square feet of living space.
- Vents to be distributed evenly along both sides.
- Appliances (such as clothes dryer) shall not be vented into crawl space.