Pole Barn Construction Guide

How to use this guide: This guide can be used for buildings which are a maximum of 2,400 square foot. (max width 40’ and max length of 60’) Larger buildings must be engineered.

Complete the Residential Detached Accessory Building application, provide a plot plan and a full set of building plans. Stamped engineered truss plans are required to be on site for inspections.

Building plans: The following pages are approved methods for pole barn construction in Laramie County without the need for additional engineering. Pole barns that do not meet the minimum standards of these guidelines will be required to be designed by a Wyoming licensed engineer.

Building Codes: Be advised that the governing building codes for Laramie County are the 2015 International codes and the 2014 National Electrical Code.

Fees: There is a $100 base fee for the structure. Additional fees are calculated for bonus rooms using the square footage of the rooms.

Bonus rooms are defined (but not limited to) bathrooms, utility rooms, non-dwelling spaces, offices, libraries, enclosed storage spaces.

<table>
<thead>
<tr>
<th>Description</th>
<th>Square Footage</th>
<th>Price per square foot</th>
<th>Valuation</th>
<th>Fees *see fee schedule</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessory only</td>
<td>NA</td>
<td>x NA</td>
<td>NA</td>
<td>$100.00</td>
</tr>
<tr>
<td>Bonus Room</td>
<td>x</td>
<td>$43.00</td>
<td>$</td>
<td>*</td>
</tr>
</tbody>
</table>

Total Fees Owed: $
POLE BARN CONSTRUCTION

PURLINS MAX 24” OC (ON CENTER)

SEE PAGE #4

MIN 29 GA STEEL

6” X 6” OR (3) 2” X 6” MAX 8’ OC TREATED BELOW GROUND

BRACING PER TRUSS DETAIL

WALL GIRT MIN 2”X6” MAX 30” OC

MAX WALL HEIGHT 14’

TREATED GRADE BOARD
MIN 2”x 6”

CAISSON MIN 18”W X 48” DEPTH UP TO 32’ WIDTH OF BUILDING 24”W X 48” DEPTH FOR 32’-40’ WIDTH OF BUILDING.

CONCRETE OR COMPACTED EARTH

MIN 6” CONCRETE

TRUSSES BY WYOMING LICENSED ENGINEER
FLOOR PLAN

POST 8' O.C. MAX SPACING

HEADERS SHALL BE IN ACCORDANCE WITH IRC TABLE R602.7 (1)

MAX LENGTH 60'

SEE PAGE 2 FOR FOOTER SIZE

IDENTIFY ALL DOORS

MAX WIDTH 40'

Laramie County Planning & Development
Approved Truss Connection

- **Truss Supports**
- **Truss between bearing posts**
- **Stub post structurally fastened to truss extends to bottom of supports +/-**
- **Truss/Rafter**
- **Carriage bolts at center span**
- **Minimum 2”x12”**
- **Truss/Rafter fastener**
- **Carriage bolts at splice**
- **Notch post**

- **Engineered Truss**
- **(2) ½” carriage bolts**
- **(3) 2” x 6”**

- **Engineered Truss / Rafter**
- **Carriage bolts**
- **Post is cut off to angle of roof**
- **Post**
- **Corbel Bolts**
- **Bolts**

- **Structural fasteners each support to stub**
- **Minimum 2” x 12”**
FOR 4' O.C. TRUSSES- 2''X4'' PURLINS FLAT @24'' O.C.

FASTEN WITH
3-16d OR 2-20d
NAILS

FOR 6' O.C. TRUSSES- 2''X4'' PURLINS ON EDGE @24'' O.C

2-16d EACH SIDE OF LAP

60d RING SHANK OR EQUIVALENT.
PURLIN DETAILS
FOR 8’ ON CENTER TRUSSES 2”X6” PURLINS ON LISTED HANGERS
2x6 corner brace shall be secured at post and at each brace to girt location.
Pole Barn /Accessory Building Restrictions

It is important for home owners to understand that pole barns are generally NOT designed for residential family dwellings. Problems occur when homeowners attempt to build or remodel a pole barn for a residential occupancy. Issues with the foundation system, fire separation, plumbing and roof design may occur. These issues can require costly alterations to bring the structure into compliance with the current building codes adopted by Laramie County.

In addition, there may be Land Use regulations that prohibit a second residence or a residence created for a rental unit. If the pole barn is built to be occupied as a residential dwelling it shall meet the requirements of the 2015 International Residential Code, shall be permitted with a residential permit and meet the requirements of the Laramie County Land Use Regulations.

If you have any questions regarding permitting and the use of the pole barn structure please ask!

I have read and understand that this application for an accessory structure does not meet the requirements of a family dwelling and will not be inhabited as a family dwelling.

__________________________________________________  ___________________  
Land Owner Signature  Date

__________________________________________________
Printed Name

__________________________________________________
Legal Description or address