

**HUMBOLDT COUNTY BUILDING DEPARTMENT
CITY OF WINNEMUCCA BUILDING DEPARTMENT
CARPORT HANDOUT AND PLAN REVIEW
2006 International Residential Code**

This handout is for a structure used for parking vehicles that is open on two or more sides on residential properties.

It is the owner or contractor's responsibility to become familiar with the adopted code requirements of Humboldt County.

The owner or contractor shall become familiar with requesting required inspections.

We encourage you to ask questions and utilize available handouts.

1. Submit a site plan indicating location of the carport. Please contact the Planning Department (623-6393) for their requirements.
2. _____Width
_____Length
3. Foundations
_____18"18"x18" footing with post connectors with eave heights less than 10 feet.
_____Pressure treated post buried 3 feet with eave heights less than 10 feet.
4. Posts - Shall be min. of 6"x6"
Posts shall be pressure treated if they come in contact with the earth or concrete
_____Size of posts
_____Distance between posts
5. Header Sizes (see attached table)
_____Required header size
Positive connection between posts and headers is required. If using engineered headers (versalams, LVL, etc) the headers are required to be protected from the weather. This requires total encasement of the header with weatherproof materials.
6. Rafters (see attached span tables)
_____Size
_____Spacing
_____Ridge board size (if applicable)
7. Roofing
_____Type of roofing
Shingles shall not be used as a roof covering if the roof pitch is less than 2:12

2. If attaching the carport to the manufactured home the following criteria must be met. Every project shall be reviewed individually. Plans are required for overbuild construction

- A. The walls of the manufactured home have to support on a full foundation. The owner shall provide evidence of support.
- B. The walls of the manufactured home shall be min. of 2x4, 24" o.c.
- C. No support is permitted from the ends of the eaves or ends of trusses of the manufactured home.
- D. The manufactured home has to meet real property conversion standards to be able to add load on to the manufactured home.
- E. Singlewide's typically will not be permitted to add load to the manufactured home unless a Nevada engineer's stamped drawing is submitted.
- F. Construction of overbuild, which valley back on to the manufactured home roof.
 - a. Trusses of the manufactured home roof shall be a min. of 2x4 or 30 lb. roof
 - b. Support on a full foundation
 - c. A minimum of 1/2 the load of the dormer shall be cantilevered type construction, which distributes most or 1/2 the load back to the new building's roof.
 - d. Size of the overbuild may also effect the requirement for engineering
 - e. Or plans are wet stamped by a Nevada Engineer
- G. Ledgers to the wall of the manufactured home shall be attached with 1/4" lags and lags shall connect to every stud
- I. Egress windows must be maintained from existing bedrooms in a manufactured home.
- J. Two exits are required from the manufactured home and must be maintained
- K. One egress may pass thru an awning, porch or garage if directly accessible to an exterior door from the room.

General Notes

Carport shall not support on a manufactured home unless the above criteria is met or if the carport weights less than 1 lb per square foot. This generally is a prefabricated metal carport. Manufacturer's instructions shall be submitted for a metal carport.

If electrical is installed or relocated a permit is required and shall comply with the 2005 National Electric Code.

Building pads shall have a drainage gradient of 6" in the first 10' away from the carport.

A permit will be required if in the future the carport is enclosed into a garage a firewall maybe required depending on the distance from the garage to the residence. Be aware that no windows are allowed in the firewall of the garage. Egress windows from existing bedrooms are required to open directly to the outside. Plan for this requirement when designing your carport/future garage. Additional foundation/footings may also be required.

**HEADER SCHEDULE
IRC TABLE R502.5(1)
ROOF ONLY**

SIZE	BUILDING WIDTH					
	20'		28'		36'	
	SPAN	# OF JACK STUDS	SPAN	# OF JACK STUDS	SPAN	# OF JACK STUDS
2-2X4	3'6"	1	3'2"	1	2'10"	1
2-2X6	5'5"	1	4'8"	1	4'2"	1
2-2X8	6'10"	1	5'11"	2	5'4"	2
2-2X10	8'5"	2	7'3"	2	6'6"	2
2-2X12	9'9"	2	8'5"	2	7'6"	2
3-2X8	8'4"	1	7'5"	2	6'8"	2
3-2X10	10'6"	1	9'1"	2	8'2"	2
3-2x12	12'2"	2	10'7"	2	9'5"	2
4-2x8	9'2"	1	8'4"	1	7'8"	1
4-2x10	11'8"	1	10'6"	1	9'5"	2
4-2x12	14'1"	1	12'2"	2	10'11"	2

RAFTER SPAN TABLES—2006 INTERNATIONAL RESIDENTIAL CODE

Rafter Spans for Douglas fir-larch #2 – Ceiling not attached to rafters (R802.5.1(1))

Rafter Spacing	2x6	2x8	2x10	2x12
12" o.c.	16'7"	21'	25'8"	*
16" o.c.	14'4"	18'2"	22'3"	25'9"
19.2" o.c.	13'1"	16'7"	20'3"	23'6"
24"	11'9"	14'10"	18'2"	21'0"

*Span exceeds 26 feet in length

2x4's can be used in limited situations with reduced span; higher slope; light roof covering

Rafter Spans for Douglas fir-larch #2 – Ceiling attached to rafters (R802.5.1(2))

Rafter Spacing	2x6	2x8	2x10	2x12
12" o.c.	15'6"	20'5"	25'8"	Note b
16" o.c.	14'1"	18'2"	22'3"	25'9"
19.2" o.c.	13'1"	16'7"	20'3"	23'6"
24 o.c.	11'9"	14'10"	18'2"	21'

*Span exceeds 26 feet in length

2x4's can be used in limited situations with reduced span; higher slope; light roof covering

Tables cannot be used to determine rafter sizes for tile or other heavy roof covers.

Rafter ties: Where ceiling joists are not parallel to rafters, the rafters shall be tied to 2"x4" minimum size rafter ties and installed in accordance with the connection requirements in Table R802.5.1(9) or connections of equivalent capacities will be provided. (R802.3.1)

Collar ties: Collar ties or ridge straps to resist wind uplift shall be connected to the upper third of the attic space in accordance with Table R602.3(1). Collar ties shall be a minimum of 1"x4" spaced not more 4 feet on center. (R802.3.

Length _____

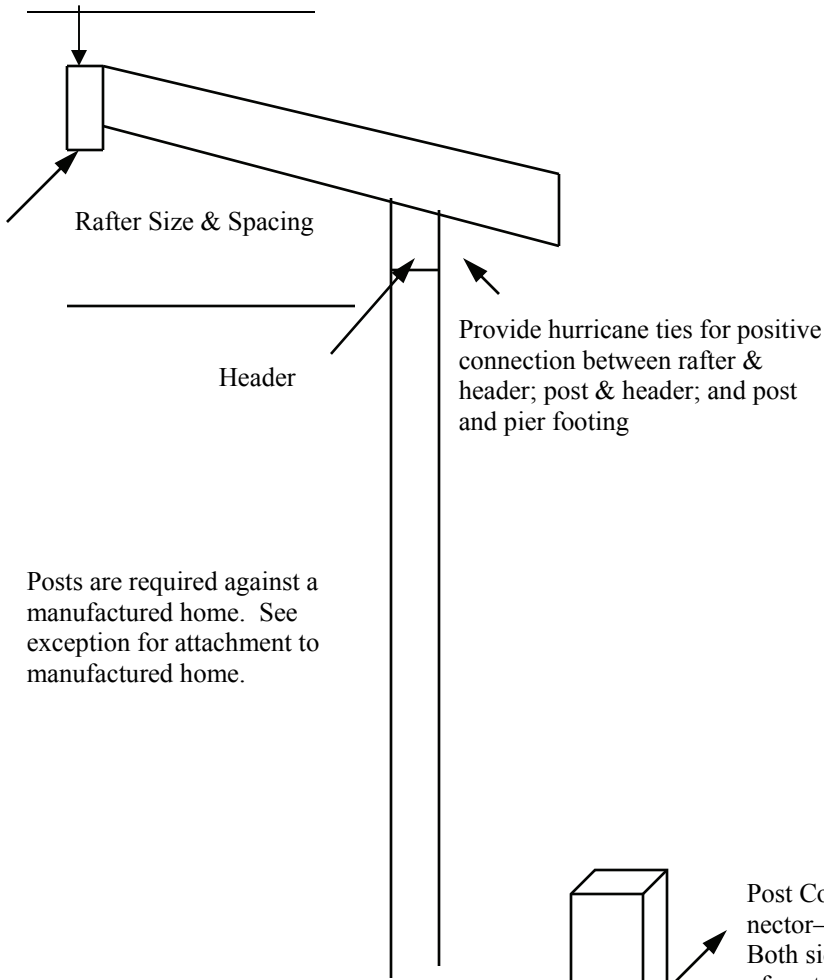
CARPORT DETAIL

Width _____

Thickness & type of roof sheathing _____

Type of roofing material _____

Ridge Board Size (if Applicable)



Posts are required against a manufactured home. See exception for attachment to manufactured home.

Header Size _____

