

HUMBOLDT COUNTY
CITY OF WINNEMUCCA
BUILDING DEPARTMENTS

SINGLE FAMILY RESIDENTIAL PATIO COVERS AND CARPORTS
Wood Framed or Light Weight Metal

HOW TO USE THIS GUIDE

1. Complete this building guide by filling in the blanks on page two for wood framed patio cover/carport or page three for light weight metal patio cover/carport, and indicating which construction details will be used. If patio cover/carport is being hipped back on the exiting building provide a detail of the hip connection. (If hipping back on a manufactured home certain criteria will be required to do so).
2. Provide a plot plan/site plan showing the location of the patio cover/carport to existing buildings/structures, sewage disposal system etc. and the distance to existing property lines.

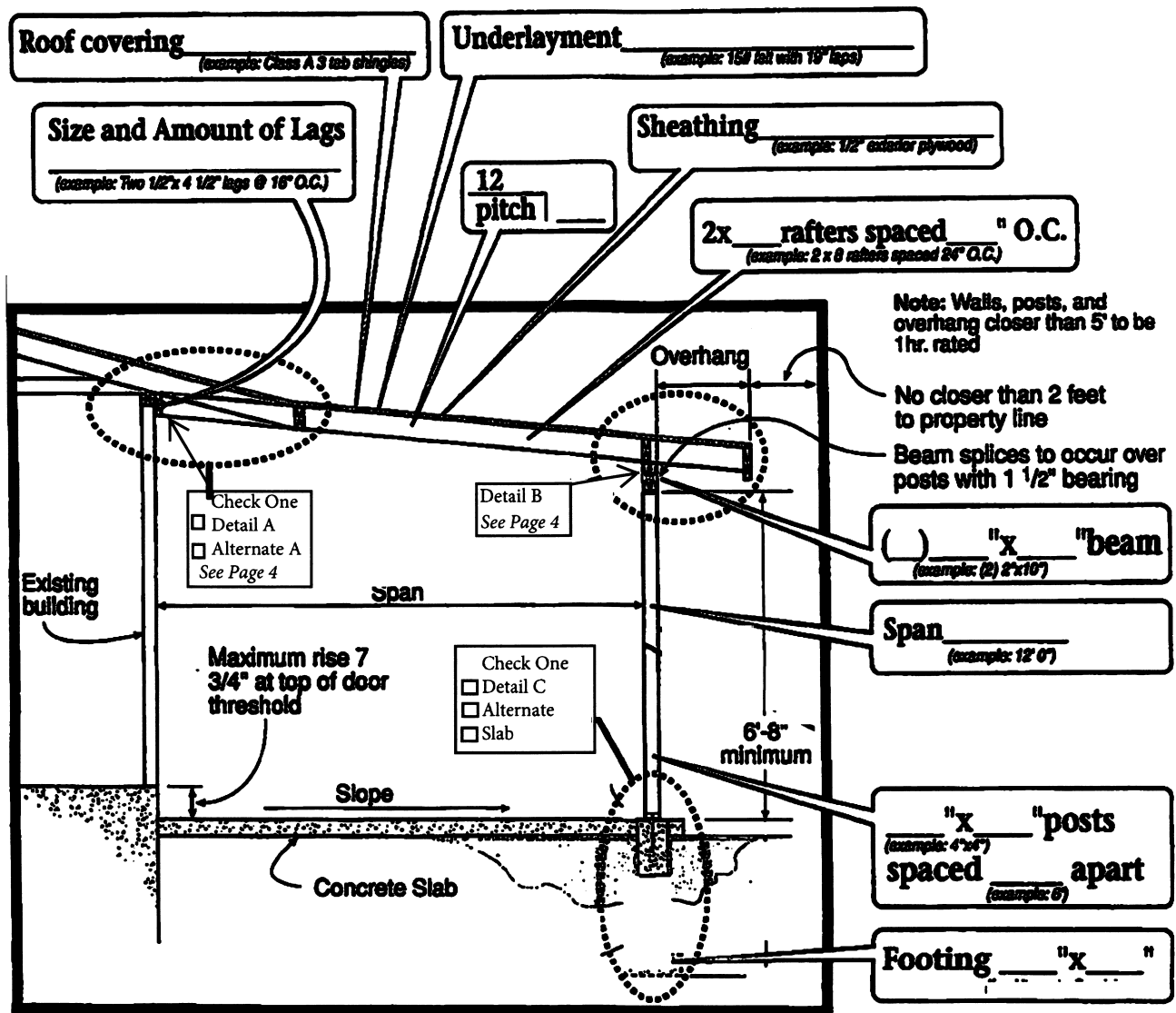


This handout was developed as a basic plan submittal under the 2012 International Residential Code. It is not intended to cover all circumstances.

Wood Framed Patio/Carport

1. Fill in the blanks with dimensions and materials which will be used to build the structure.
2. Indicate in the check boxes which detail from page 4 will be used.
3. The patio/carport shall be located no closer than 5'0" from the property line to conform to the building code. Planning & Zoning requirements may require a larger setback. Planning & Zoning approval is required.
4. A carport shall be open on at least 2 sides to conform to the building code.

Attached _____ Detached _____



Manufactured Homes: Post are required against the MH unless a full perimeter foundation is provided. The patio cover cannot hip back on to the MH unless the MH has a 30 lb roof load.

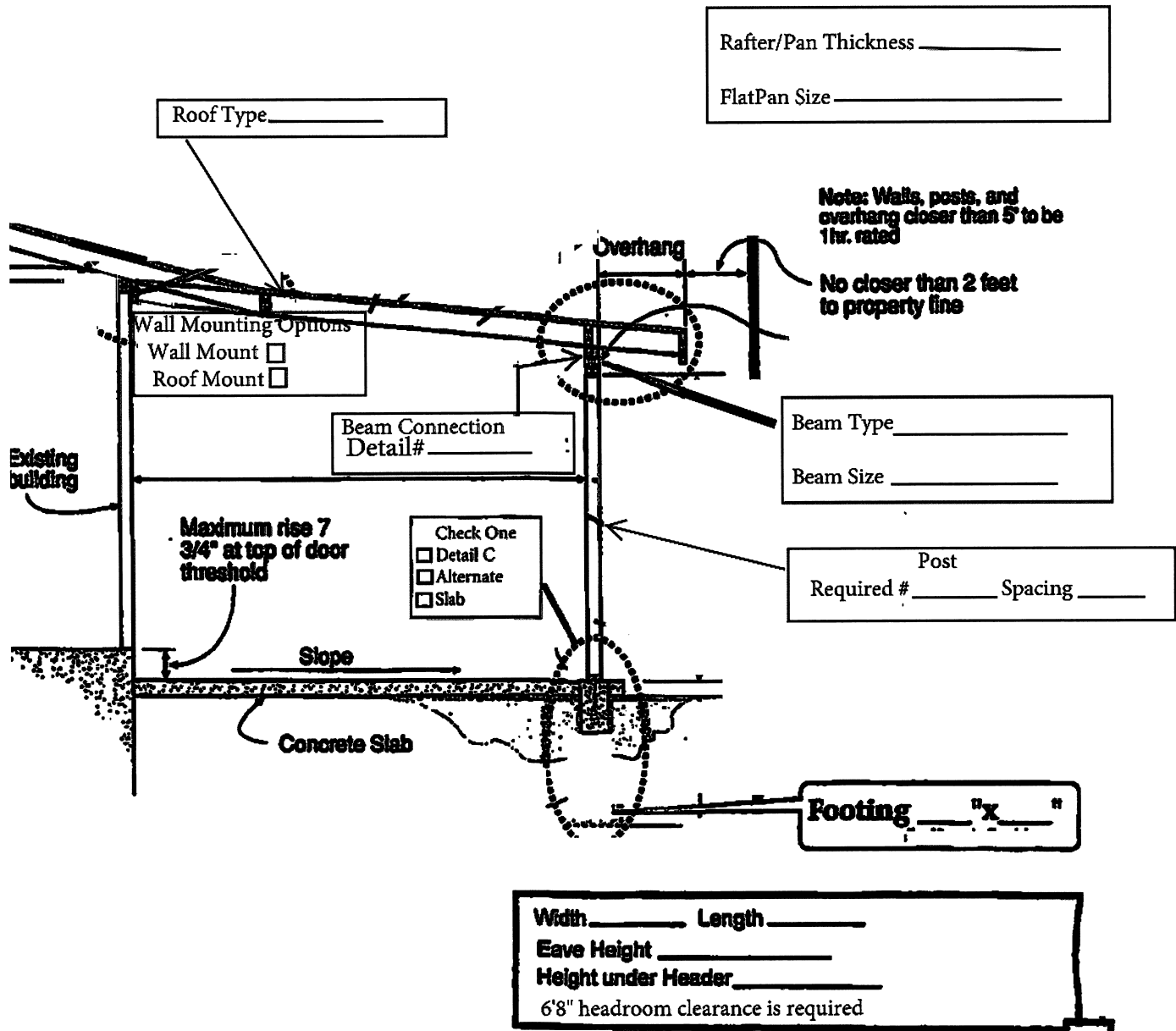
Width _____ Length _____
Eave Height _____
Height under Header _____

Light Weight Metal Patio Cover/Carport
 Nevada Engineered Stamp Plans Are Required For This Type of Patio/Carport

Directions:

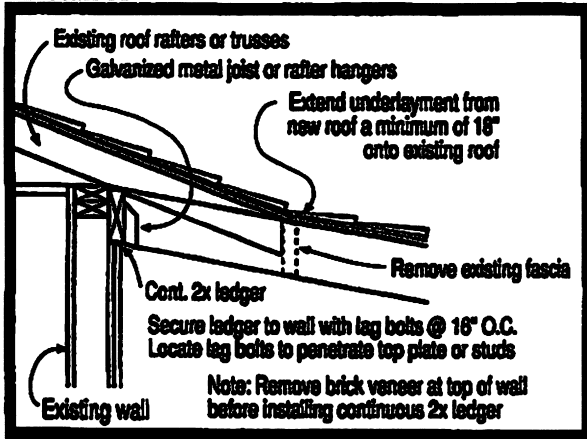
1. Fill in the blanks with information from the engineered drawings. **Submit only the plan pages that are applicable to this patio/carport.**
2. The patio cover/carport shall be located no closer than 5'0" from the property lines to conform to the building code. Planning & Zoning requirements may require a larger setback. Planning & Zoning approval is required.
3. A carport shall be open on at least 2 sides to conform to the building code requirements.

Free Standing _____ Attached _____

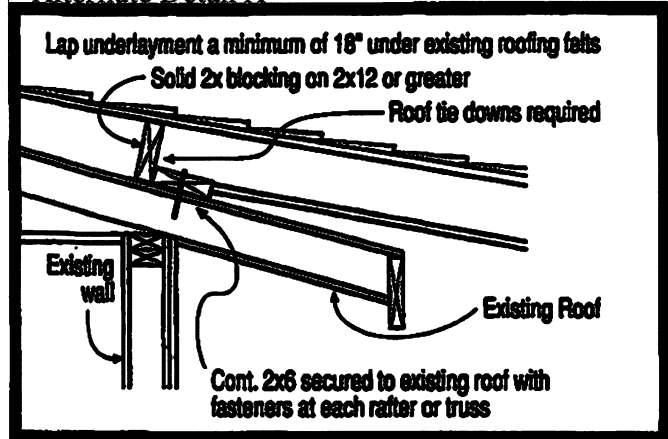


PATIO COVER/CARPORT
DETAIL PAGE

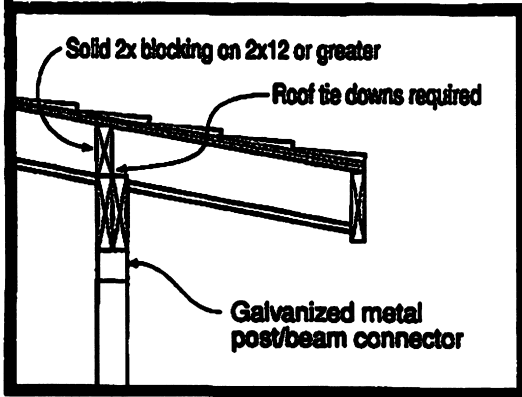
Detail A



Alternate Detail A



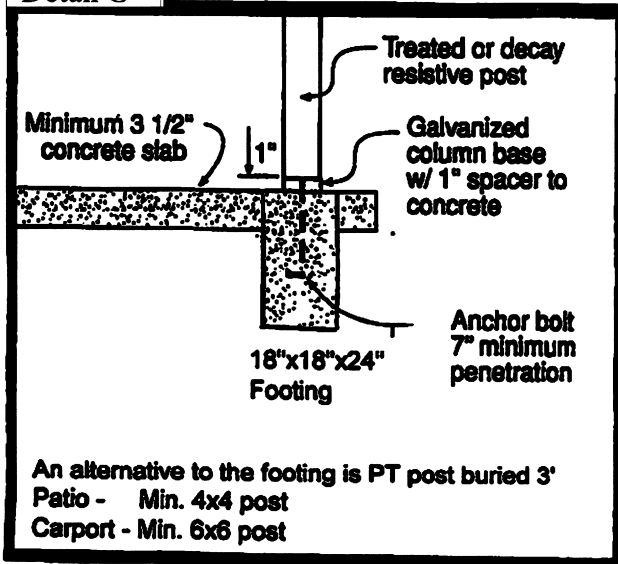
Detail B



Note: Rafters shall not be hung off existing fascia/ truss tails. They shall be installed:

1. by the use of a ledger
2. installed on the top of the existing wall
3. post & header against existing wall.

Detail C

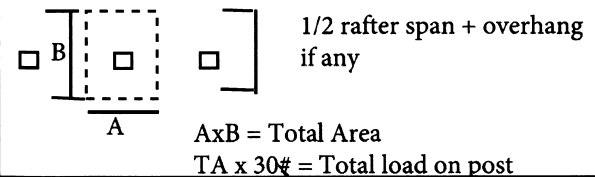


Detail D - Slab

An unenclosed patio cover that projects 14 feet or less from the main structure shall be permitted to be supported on a concrete slab on grade without footings provided the slab conforms with the provisions of Section R506 of IRC, is not less than 3 1/2" thick and further provided that the columns do not support loads in excess of 750 lbs per column.

Formula:

Spacing between posts (A) x 1/2 of rafter span(B) + overhang(if applicable) x 30 = Total Load. Total load must be less than 750 lbs.



HEADER TABLE FOR PATIO COVER UP TO 15' SPAN

Length of Span	Load Bearing Header Size		Non-Load Bearing Header Size	
4' or less	4"x4"	*****	4"x4"	*****
4' to 6'	4"x6"	*****	4"x4"	*****
6' to 8'	4"x8"	6"x6"	4"x6"	6"x6"
8' to 10'	4"x10"	6"x8"	4"x6"	6"x6"
10' to 12'	4"x10"	6"x8"	4"x8"	6"x6"
12' to 14'	4"x12"	6"x10"	4"x8"	6"x6"
14' to 16'	4"x14"	6"x12"	4"x10"	6"x8"

HEADER TABLE FOR PATIO COVERS OVER 15' SPAN AND ALL CARPORTS (IRC Table R502.5(1))

PATIO COVER OR CARPORT WIDTH						
Size	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 SPANS FOR DOUGLAS FIR-LARCH #2 (R802.5.1(1))

Rafter Spacing	2x4	2x6	2x8	2x10	2x12
12" o.c.	10'10"	16'7"	21'	25'8"	*
16" o.c.	9'10"	14'4"	18'2"	22'2"	25'9"
19.2" o.c.	8'11"	13'1"	16'7"	20'3"	23'6"
24" o.c.	8'0"	11'9"	14'10"	18'2"	21'

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 in 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 than 4 feet on center. (R802.3.1.)