

**HUMBOLDT COUNTY  
CITY OF WINNEMUCCA  
BUILDING DEPARTMENTS**

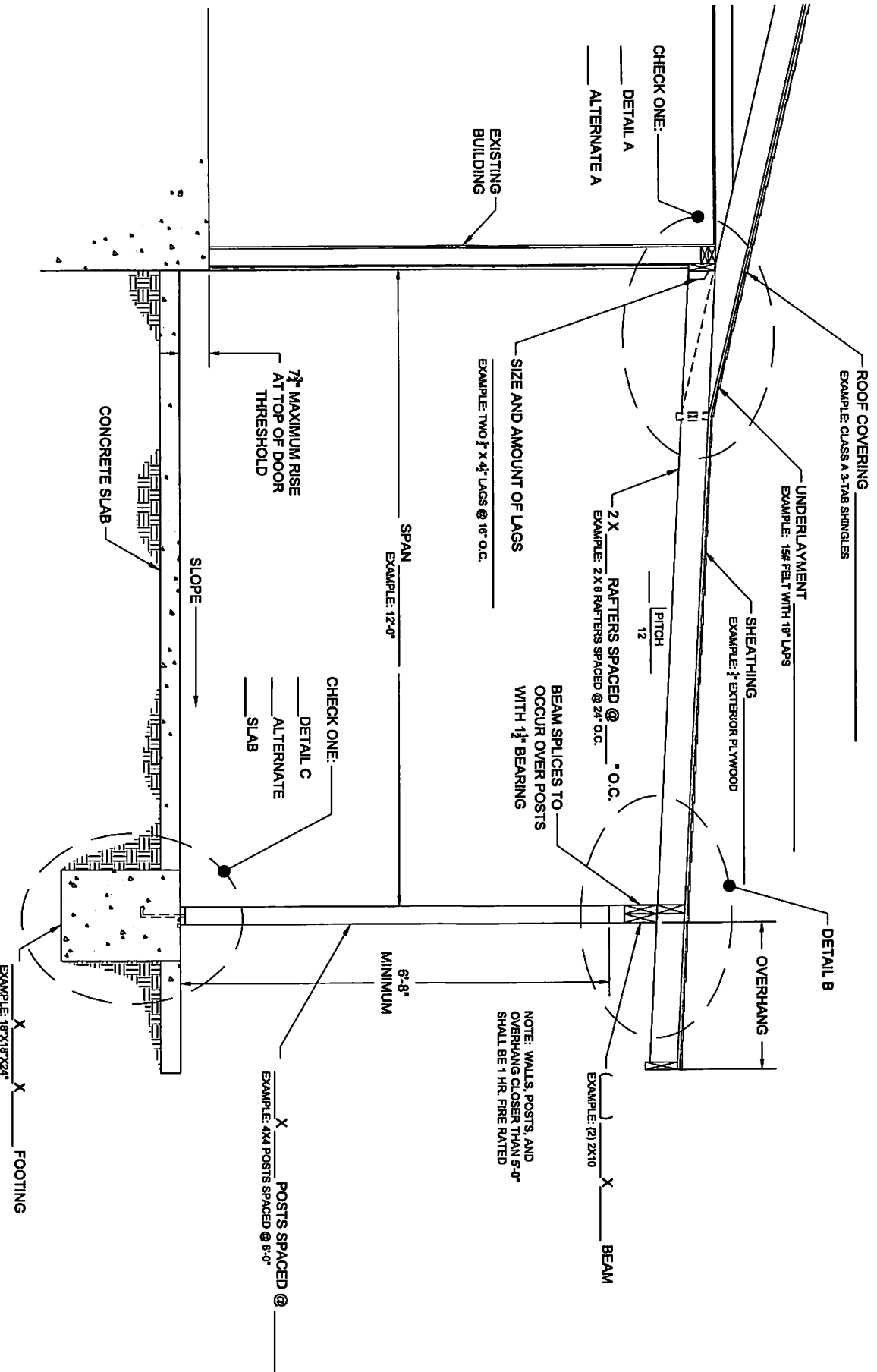
**SINGLE FAMILY RESIDENTIAL PATIO COVERS AND CARPORTS  
Wood Framed or Light Weight Metal**

**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 existing 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. 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.
3. A carport shall be open on at least two (2) sides to conform to the building code.
4. Manufactured Homes: posts 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.
5. Rafters shall not be hung off existing fascia/truss tails. They shall be installed:
  - a. By the use of a ledger
  - b. Installed on the top of the existing wall
  3. Post & header against existing wall.
6. Light weight metal patio cover/carport. Nevada engineered stamped plans are required for this type of patio/carport. Please submit only the plan pages that are applicable to this patio/carport.

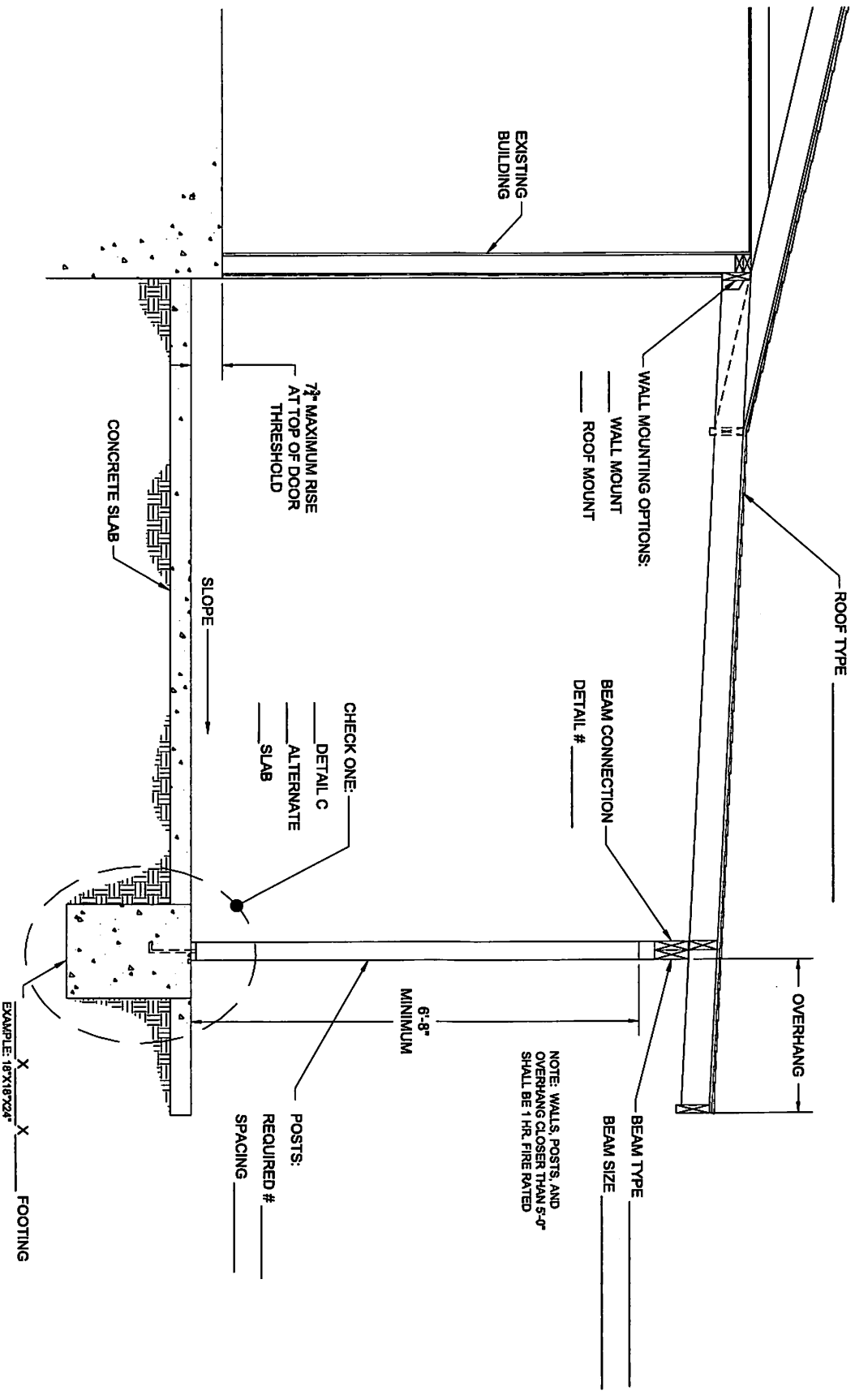
This handout was developed as a basic plan submittal under the 2018 International Residential Code. It is not intended to cover all circumstances.

# WOOD FRAMED PATIO/CARPORT

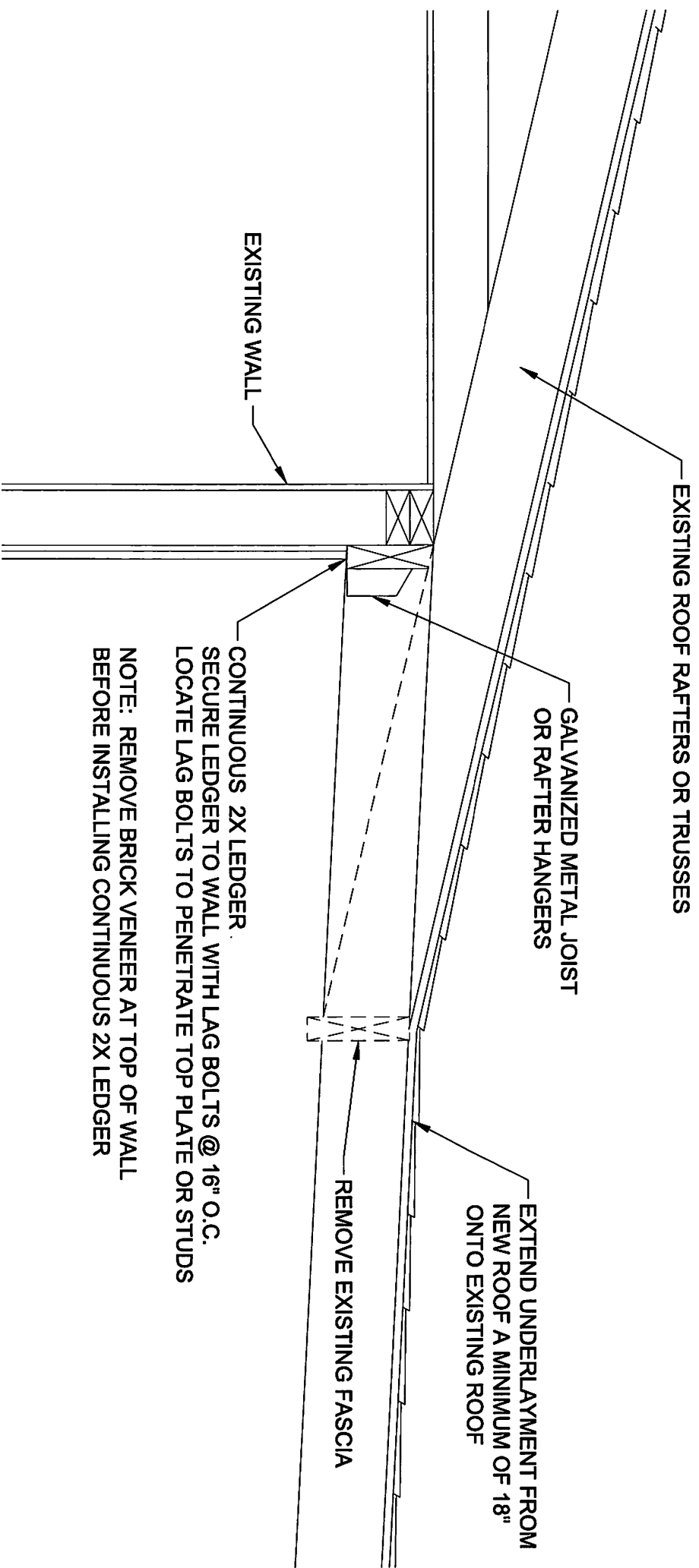


# LIGHT WEIGHT METAL PATIO/CARPORT

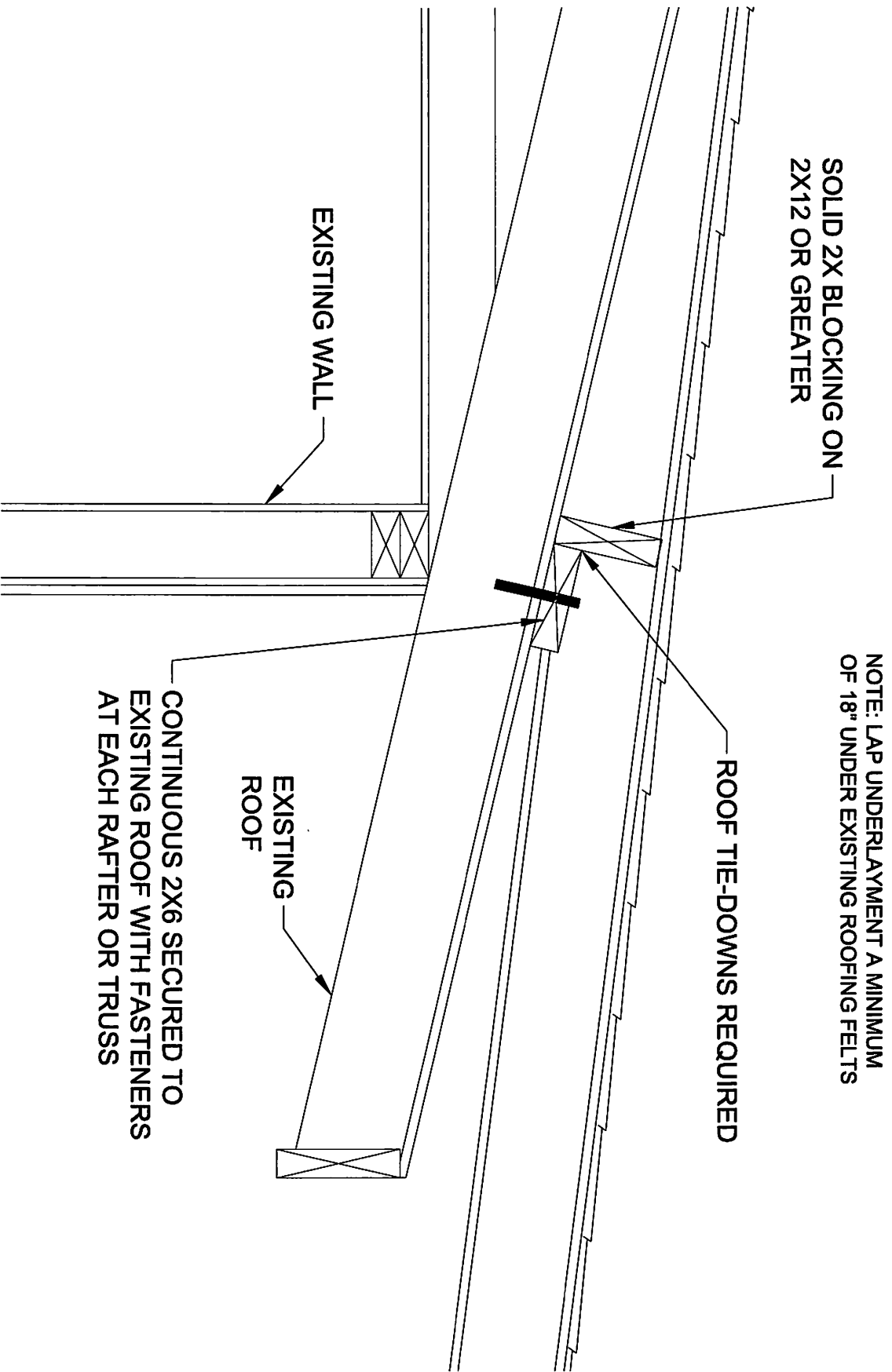
NEVADA ENGINEERED STAMP PLANS ARE REQUIRED FOR THIS TYPE OF PATIO/CARPORT. SUBMIT ONLY THE PLAN PAGES THAT ARE APPLICABLE TO THIS PATIO/CARPORT.



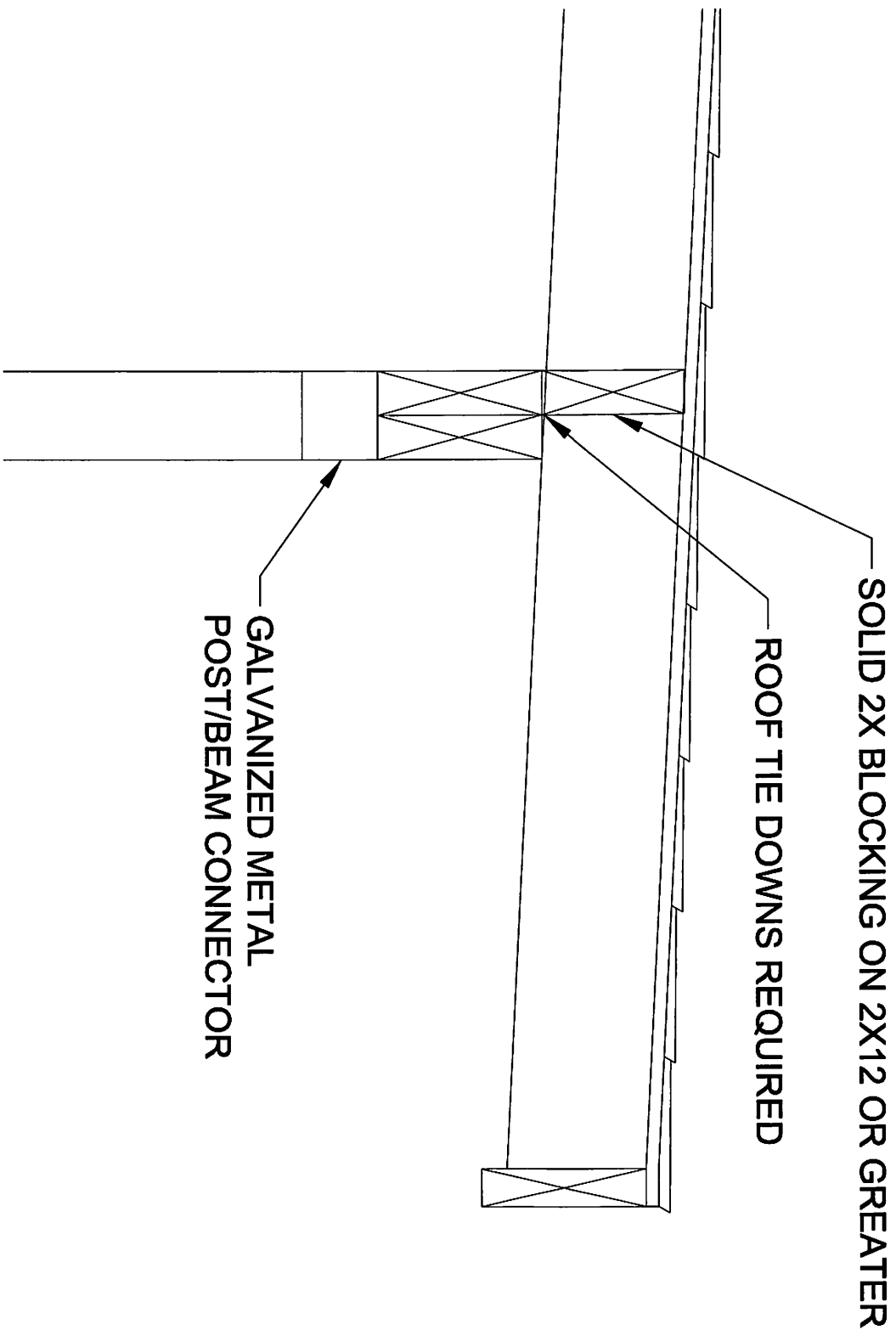
# DETAIL A



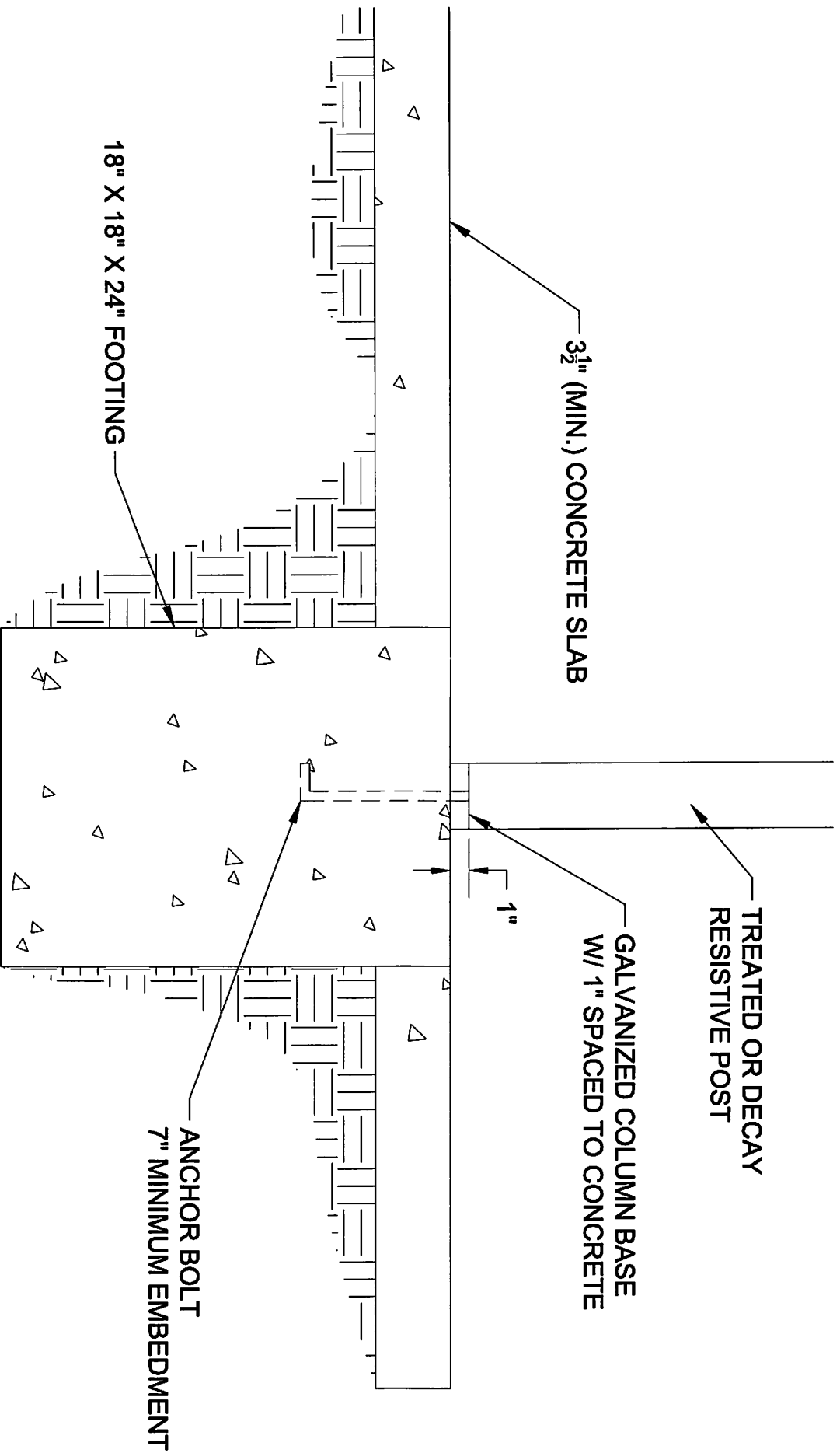
# ALTERNATE DETAIL A



# DETAIL B



# DETAIL C



AN ALTERNATIVE TO THE FOOTING IS PT POST BURIED 3'-0"

**Rafter Spans for Douglas Fir-Larch #2 – Ceiling not attached to rafters (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"	22'3"	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"	21'0"

\*Span exceeds 26 feet in length

**Rafter Spans for Douglas Fir-Larch #2 – Ceiling attached to rafters (R802.5.1(2))**

Rafter Spacing	2x4	2x6	2x8	2x10	2x12
12" o.c.	9'10"	15'6"	20'5"	25'8"	*
16' o.c.	8'11"	14'1"	18'2"	22'3"	25'9"
19.2 o.c.	8'5"	13'1"	16'7"	20'3"	23'6"
24" o.c.	7'10"	11'9"	14'10"	18'2"	21'

\*Span exceeds 26 feet in length

**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.)

**HEADER SPAN FOR OPEN PORCHES (2018 IRC TABLE R602.7(3))**

Size	Supporting Roof		Supporting Floor	
	Depth of Porch			
	8'	14'	8'	14'
2-2x6	7'6"	5'8"	6'4"	4'9"
2-2x8	10'1"	7'7"	8'5"	6'4"
2-2x10	12'4'	9'4"	10'4"	7'9"
2-2x12	14'4"	11'8"	11'11"	9'0"