STANDARDS

FOR PATIO COVER CONSTRUCTION

BOISE COUNTY

PLANNING & ZONING

DEPARTMENT

Patio Cover Standards

The Patio Cover standard is intended to speed up the permitting process by providing this standard for issuance of a building permit within Boise County jurisdiction. This standard is not meant to be substituted for, or be contrary to, provisions of the building codes.

If the proposed structure exceeds an exterior side wall height of 12' engineering is required. The structure height may not exceed 15' in total height or the height of the principal structure. An alternate design prepared by a State of Idaho design professional may be considered by the Building Official.

Governing codes for Boise County: 2012 International Residential Code and the 2015 International Building Code.

Once you have selected the rafter spans and beam sizing from the Tables on sheet 2, complete all of the blanks located on sheets 1 and 2 for your proposed patio cover.

FOOTINGS

Shall bear on virgin soil a minimum of 24" below the finished grade and have a minimum width of 12".

RAFTER SPAN AND BEAM SIZING

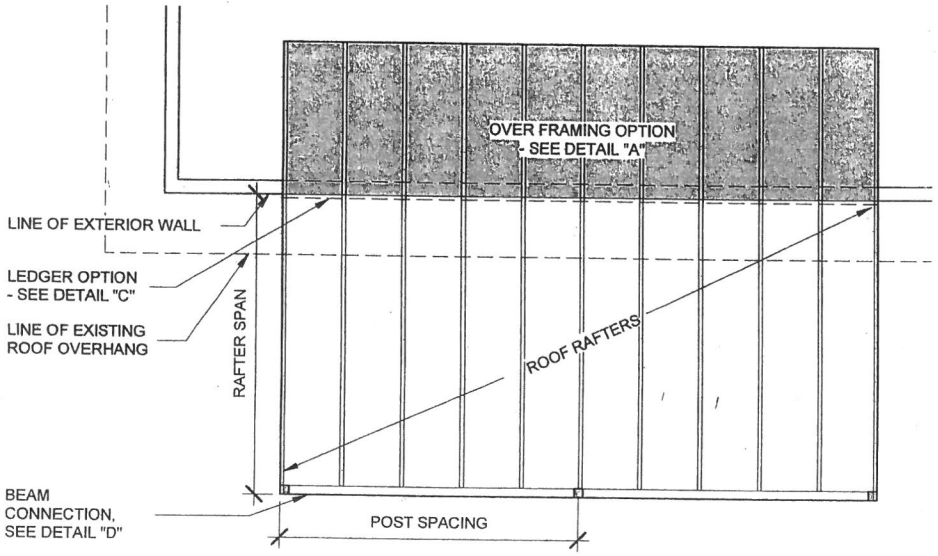
Shall be selected from the Tables listed on sheet 2 or from other Tables listed in the IRC or IBC.

CONCRETE SLABS

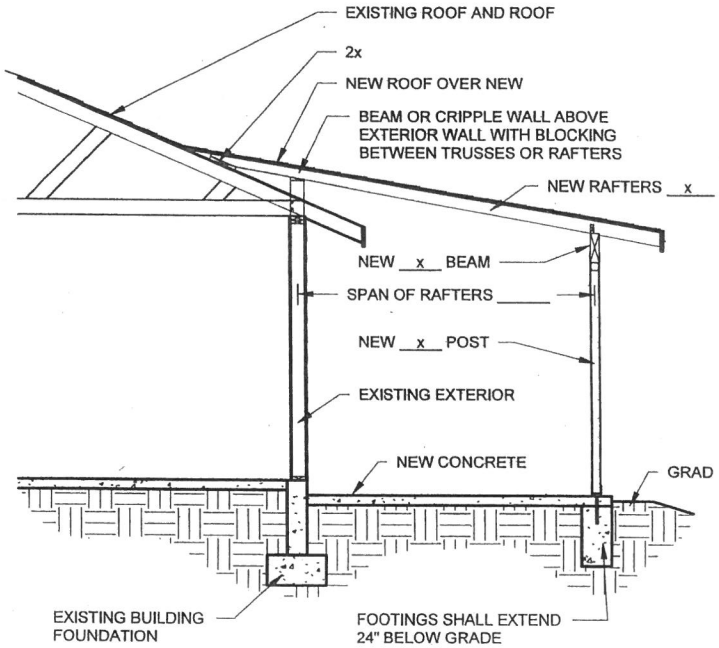
Shall not be placed in direct contact with load-bearing poles. Poles shall be separated from concrete slabs with expansion joint filler or 15 pound felt.

POLES

Minimum pole size shall be 4" X 6" nominal and poles selection per the Tables on sheet 2. All poles shall be pressure treated.

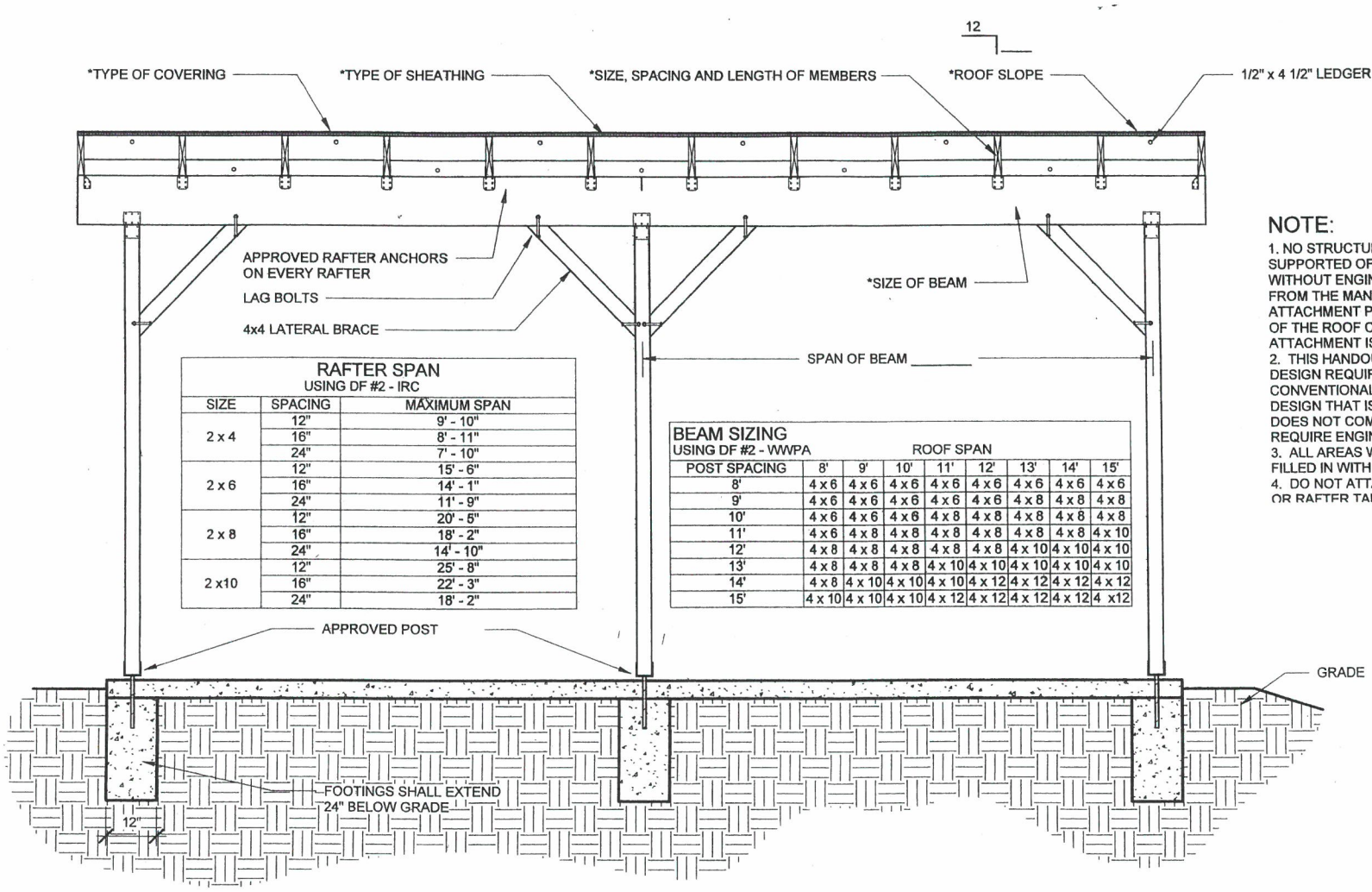


2 FLOOR PLAN
1/4" = 1'-0"



1 SECTION THRU BUILDING
1/4" = 1'-0"

PATIO COVER GUIDE	ROOF FRAMING / SECTION	SHEET 1
		SCALE 1/4" = 1'-0"



RAFTER SPAN

USING DF #2 - IRC

SIZE	SPACING	MAXIMUM SPAN
2 x 4	12"	9' - 10"
	16"	8' - 11"
	24"	7' - 10"
2 x 6	12"	15' - 6"
	16"	14' - 1"
	24"	11' - 9"
2 x 8	12"	20' - 5"
	16"	18' - 2"
	24"	14' - 10"
2 x10	12"	25' - 8"
	16"	22' - 3"
	24"	18' - 2"

BEAM SIZING

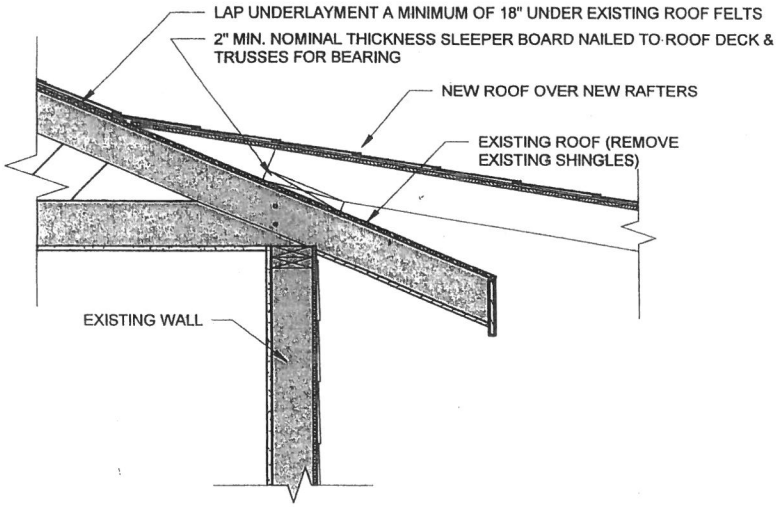
USING DF #2 - WWPA

POST SPACING	ROOF SPAN 8'	9'	10'	11'	12'	13'	14'	15'
8'	4 x 6	4 x 6	4 x 6	4 x 6	4 x 6	4 x 6	4 x 6	4 x 6
9'	4 x 6	4 x 6	4 x 6	4 x 6	4 x 6	4 x 8	4 x 8	4 x 8
10'	4 x 6	4 x 6	4 x 6	4 x 8	4 x 8	4 x 8	4 x 8	4 x 8
11'	4 x 6	4 x 8	4 x 8	4 x 8	4 x 8	4 x 8	4 x 8	4 x 10
12'	4 x 8	4 x 8	4 x 8	4 x 8	4 x 8	4 x 10	4 x 10	4 x 10
13'	4 x 8	4 x 8	4 x 8	4 x 10	4 x 10	4 x 10	4 x 10	4 x 10
14'	4 x 8	4 x 10	4 x 10	4 x 10	4 x 12	4 x 12	4 x 12	4 x 12
15'	4 x 10	4 x 10	4 x 10	4 x 12	4 x 12	4 x 12	4 x 12	4 x12

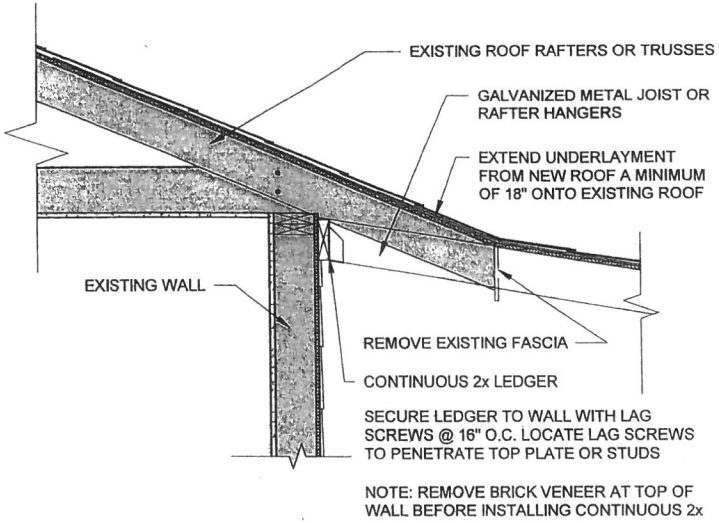
NOTE:

1. NO STRUCTURE SHALL BE ATTACHED AND SUPPORTED OFF A MANUFACTURED HOME WITHOUT ENGINEERING DESIGN AND APPROVAL FROM THE MANUFACTURER. THE ONLY ATTACHMENT PERMITTED IS THE ATTACHMENT OF THE ROOF COVERING. NO STRUCTURAL ATTACHMENT IS PERMITTED.
2. THIS HANDOUT IS A GUIDE FOR MINIMUM DESIGN REQUIREMENTS BASED ON CONVENTIONAL FRAMED CONSTRUCTION. ANY DESIGN THAT IS NOT CONVENTIONAL FRAME OR DOES NOT COMPLY WITH THIS DETAIL MAY REQUIRE ENGINEERING.
3. ALL AREAS WITH AN ASTERISK (*) SHALL BE FILLED IN WITH PROPOSED DESIGN.
4. DO NOT ATTACH ROOF TO EXISTING FASCIA OR RAFTER TAILS

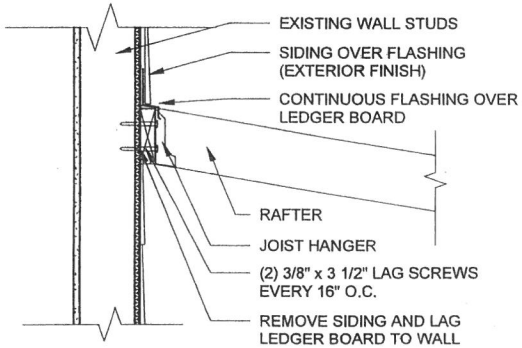
PATIO COVER GUIDE	SECTION THRU CANOPY	SHEET 2
		SCALE 1/2" = 1'-0"



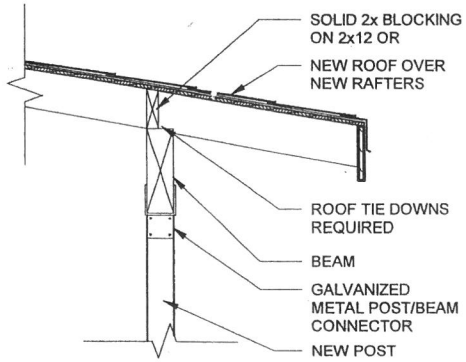
A DETAIL A
3/4" = 1'-0"



B DETAIL B
3/4" = 1'-0"



C DETAIL C
1" = 1'-0"



1 DETAIL D
3/4" = 1'-0"

PATIO COVER GUIDE	DETAILS	SHEET 3
		SCALE As indicated