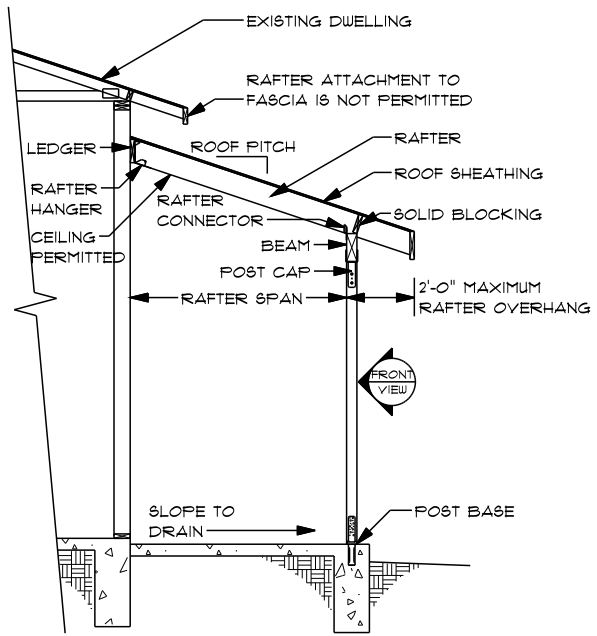




SINGLE FAMILY DWELLING PATIO COVER (HEAVY ROOFING MATERIAL)

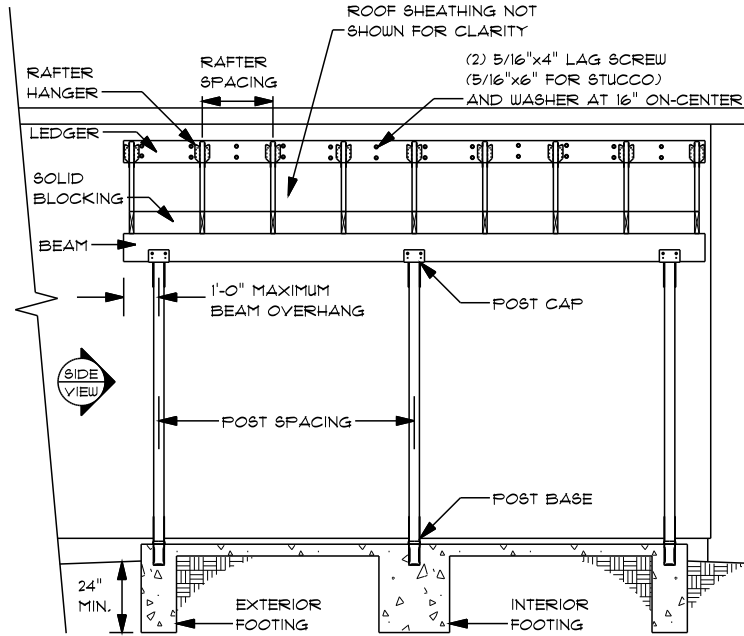
LIMITED TO 12'-0" MAXIMUM SPAN AND
10'-0" MAXIMUM POST HEIGHT IN ACCORDANCE WITH THE
2003 INTERNATIONAL RESIDENTIAL CODE (IRC)

NORTHERN
NEVADA
CHAPTER
INTERNATIONAL
CODE
COUNCIL



SIDE VIEW

NO SCALE



FRONT VIEW

NO SCALE

RAFTERS		
MIN. SIZE	MAX. SPACING	MAX. SPAN
2x4	12"	9'-10"
	16"	8'-6"
	24"	6'-11"
2x6	12"	12'-0"
	16"	12'-0"
	24"	10'-2"
2x8	12"	12'-0"
	16"	12'-0"
	24"	12'-0"

HEADER					
MAX. POST SPACING	MAX. SPAN				
	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"
8'-0"	4x8	4x8	4x8	4x8	4x8
9'-0"	4x8	4x8	4x8	4x8	4x10
10'-0"	4x8	4x10	4x10	4x10	4x10
11'-0"	4x10	4x10	4x10	4x10	4x12
12'-0"	4x10	4x12	4x12	4x12	4x12

- ALL LUMBER SHALL BE DOUGLAS FIR #2 U.N.O.
- ALL CONCRETE SHALL BE 3,500 PSI (5%-1% AIR ENTRAINED)

MINIMUM SQUARE FOOTING SIZE (OPTIONAL ROUND FOOTING SIZE)						
MAX. POST SPACING	FOOTING LOCATION	MAX. RAFTER SPAN				
		8'-0"	9'-0"	10'-0"	11'-0"	12'-0"
8'-0"	EXTERIOR	12" (14")	12" (14")	12" (14")	12" (16")	14" (14")
	INTERIOR	14" (16")	16" (16")	16" (18")	16" (18")	16" (18")
9'-0"	EXTERIOR	12" (14")	14" (14")	14" (14")	14" (16")	14" (16")
	INTERIOR	16" (18")	16" (18")	16" (18")	18" (20")	18" (20")
10'-0"	EXTERIOR	12" (14")	14" (14")	14" (16")	14" (16")	14" (16")
	INTERIOR	16" (18")	16" (18")	18" (20")	18" (20")	18" (20")
11'-0"	EXTERIOR	14" (14")	14" (16")	14" (16")	14" (16")	16" (16")
	INTERIOR	16" (18")	18" (20")	18" (20")	18" (22")	20" (22")
12'-0"	EXTERIOR	14" (16")	14" (16")	14" (16")	16" (18")	16" (18")
	INTERIOR	18" (20")	18" (20")	18" (22")	20" (22")	20" (22")

PROJECT DESIGN CRITERIA

OWNER: _____ ADDRESS: _____

OVERALL DIMENSION: _____ TOTAL SQ. FT.: _____

PARCEL NO.: _____

ELEVATION ABOVE SEA LEVEL: _____ GROUND SNOW LOAD: 20-PSF DESIGN WIND LOAD 105-MPH, (3-SECOND GUST): EXPOSURE C SEISMIC DESIGN CATEGORY: D2

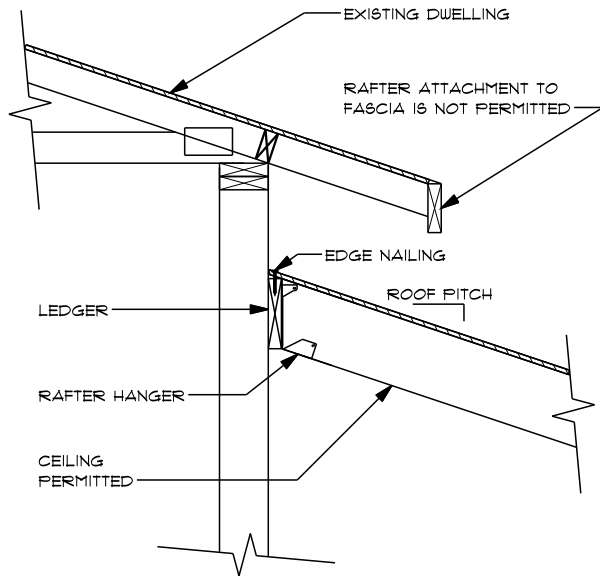
DESIGN ROOF LIVE LOAD: 20-PSF DESIGN ROOF DEAD LOAD: 20-PSF ALLOWABLE DEFLECTION: L/240 DESIGN SOIL BEARING PRESSURE: 100-PSF

ROOF COVERING: _____ ROOF SHEATHING (1/2" MINIMUM): _____ (2-1/2:12 MIN., 5:12 MAX.): _____ LEDGER SIZE (LxW): _____

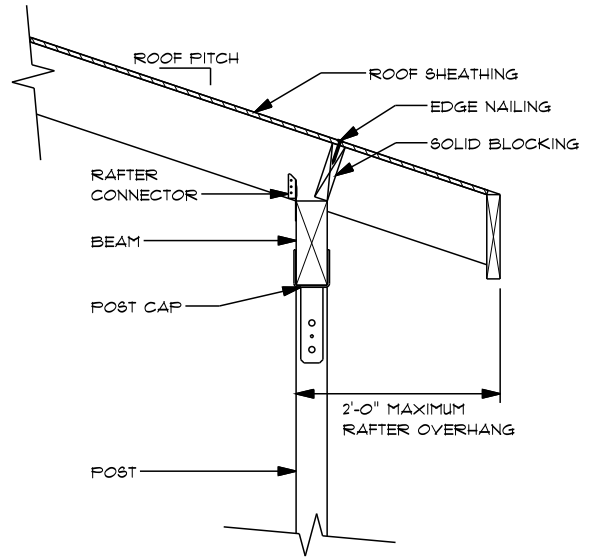
RAFTER SIZE: _____ RAFTER SPACING (24" MAXIMUM): _____ RAFTER SPAN (12'-0" MAXIMUM): _____ (480* MIN. DOWNLOAD): _____

RAFTER CONNECTOR TO BEAM (369* MIN. UPLIFT): _____ BEAM SIZE: _____ POST SIZE (LxWxH) (4"x4"x6'-8" MIN.): _____ POST SPACING (12'-0" MAXIMUM): _____

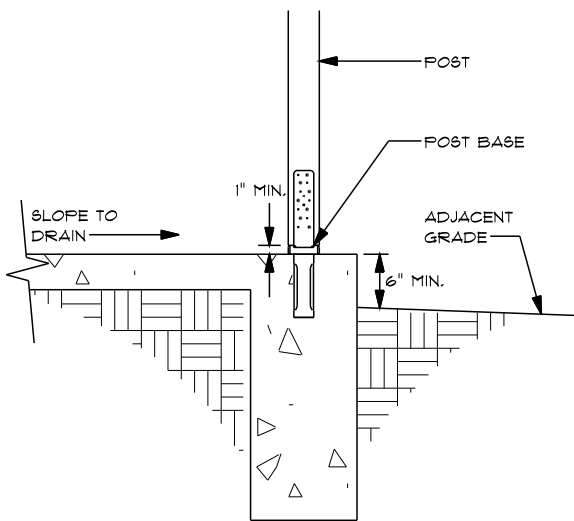
POST CAP (2,214* MIN. UPLIFT): _____ POST BASE (2,214* MIN. UPLIFT): _____ EXT. FOOTING SIZE (SQUARE / ROUND): _____ INT. FOOTING SIZE (SQUARE / ROUND): _____



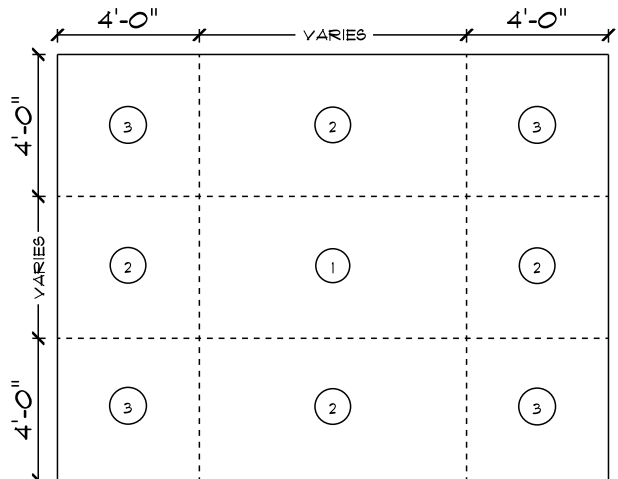
LEDGER CONNECTION (NO SCALE)



RAFTER/BEAM/POST CAP CONNECTION (NO SCALE)



POST BASE CONNECTION (NO SCALE)



FASTENER: 8d COMMON NAIL

ZONE	EDGE NAILING	FIELD NAILING
1	6" ON-CENTER	12" ON-CENTER
2 & 3	6" ON-CENTER	6" ON-CENTER

ROOF SHEATHING NAILING SCHEDULE (NO SCALE)

GENERAL NOTES

1. ALL LUMBER SHALL BE DOUGLAS FIR #2 U.N.O.
2. ALL CONCRETE SHALL BE 3,500 PSI (5%-7% AIR ENTRAINED)
3. ALL HARDWARE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. NUMBER, TYPE, AND SPACING OF FASTENERS FOR STRUCTURAL MEMBERS SHALL COMPLY WITH IRC TABLE R602.3(1).
5. CLAY AND CONCRETE TILE REQUIRE TWO LAYERS OF UNDERLAYMENT FOR ROOF SLOPES FROM 2-1/2:12 TO 4:12. A MINIMUM ROOF SLOPE OF 2-1/2:12 IS REQUIRED FOR CLAY AND CONCRETE TILE.