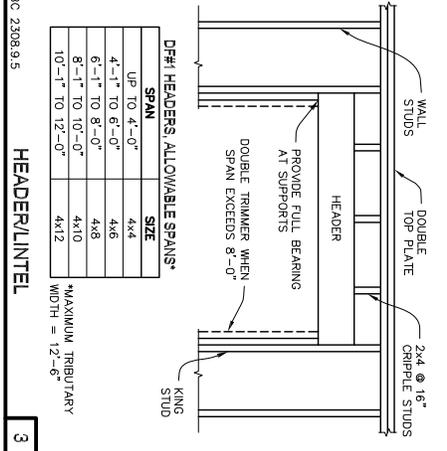
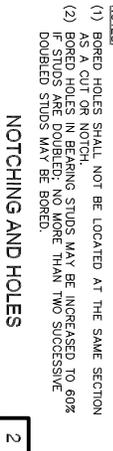
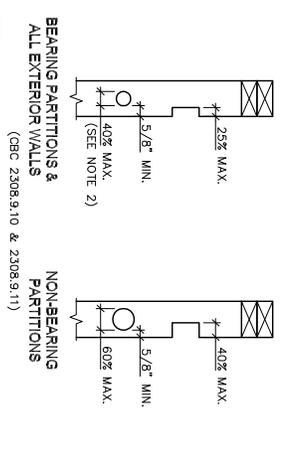
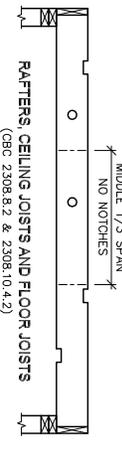
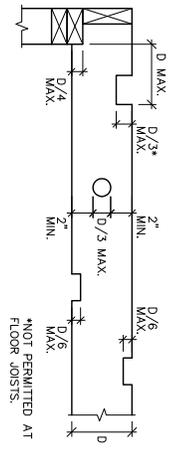


SINGLE STORY CONVENTIONAL WOOD-FRAME CONSTRUCTION SHEET



GENERAL NOTES:

- SEE FASTENING SCHEDULE (CBC TABLE 2304.9.1) FOR NAILING NOT SHOWN.
- BEARING WALLS AND BRACED WALLS REQUIRE CONTINUOUS FOOTINGS.
- "DF" ON THESE SHEETS REFERS TO DOUGLAS FIR-LARCH, SAWN LUMBER SHALL BE IDENTIFIED BY THE GRADE MARK OF AN APPROVED LUMBER GRADING OR INSPECTION AGENCY PER CBC SEC. 2302.1.1.
- "DL" AND "LL" ON THESE SHEETS INDICATES "DEAD LOAD" AND "LIVE LOAD," RESPECTIVELY.
- WOOD MEMBERS SHALL BE OF SUFFICIENT SIZE TO PREVENT SPLITTING DUE TO NAILING. SPLIT MEMBERS SHALL BE REMOVED AND REPLACED.
- "P-1" ON THESE SHEETS INDICATES PRESERVATIVE-TREATED WOOD.
- WHEN FRAMED WITH ENGINEERED WOOD TRUSSES, ROOF DIAPHRAGMS SHALL BE CONNECTED TO INTERIOR BRACED WALLS BY MEANS OF DRAG TRUSSES OR TRUSS BLOCKING.

DF#2 RAFTERS, ALLOWABLE SPANS*

RAFTER SPAN(S)	DL=10 PSF, LL=20 PSF	2X4	2X6	2X8	2X10	2X12
12'	9'-10"	15'-6"	20'-5"	25'-8"	-	-
16'	8'-11"	14'-1"	18'-2"	22'-3"	25'-9"	-
24'	7'-10"	11'-9"	14'-10"	18'-2"	21'-0"	-

*DATA FROM CBC TABLE 2308.10.3(2).

DF#2 CEILING JOISTS, ALLOWABLE SPANS*

JOIST SPACING	ATTICS WITHOUT STORAGE, LL=10 PSF	2X4	2X6	2X8	2X10	2X12
12"	12'-5"	19'-6"	25'-8"	-	9'-10"	14'-10"
16"	11'-3"	17'-8"	23'-0"	-	8'-9"	12'-10"
24"	9'-10"	14'-10"	18'-9"	22'-11"	10'-6"	13'-3"

*DATA FROM CBC TABLE 2308.10.2. ATTICS WITH STORAGE ARE THOSE WHERE THE CLEAR HEIGHT OF THE CEILING JOIST AND RAFTER IS 42" OR GREATER. ATTICS SHALL BE UNINHABITABLE.

RAFTER-TIE CONNECTIONS, #18d COMMON WALLS, SEE NOTE 6(1)

TIE SPACING	ROOF PITCH					
	3:12	4:12	5:12	7:12	9:12	12:12
12"	3	4	5	6	7	8
16"	4	5	6	7	8	9
24"	5	6	7	8	9	10

*CBC TABLE 2308.10.4.1 VALUES ADJUSTED FOR DF#2 FRAMING. THE NUMBER OF NAILS SPECIFIED IN THE TABLE ARE PROVIDED. RAFTER-TIE NAILING MAY BE REDUCED PROPORTIONAL TO THE REDUCTION IN RAFTER SPAN, NO LESS THAN 3 NAILS SHALL BE PROVIDED AT EACH CONNECTION. NO SNOW LOAD.

DF#2 FLOOR JOISTS, ALLOWABLE SPANS*

JOIST SPACING	DL=10 PSF, LL=40 PSF	2X6	2X8	2X10	2X12
12"	10'-9"	14'-2"	17'-9"	20'-7"	-
16"	9'-9"	12'-7"	15'-5"	17'-10"	-
24"	8'-1"	10'-3"	12'-7"	14'-7"	-

*DATA FROM CBC TABLE 2308.8(2).

PLYWOOD OR OSB FLOOR AND ROOF SHEATHING, ALLOWABLE SPANS*

SHEATHING GRADES	MAX. SPAN (in.)		LOADS (psf.)		PANEL EDGES WITH 1/8" JOISTS OR MAX. SPAN (in.)
	W/TL EDGE SUPPORT	W/HT EDGE SUPPORT	TOTAL	LIVE	
24/0	7/16, 1/2	24	40	40	0
24/16	7/16, 1/2	24	50	50	16
32/16	15/32, 1/2, 5/8	32	28	40	16
40/20	19/32, 5/8, 3/4, 7/8	40	32	40	30
48/24	23/32, 3/4, 7/8	48	36	45	45

*DATA FROM CBC TABLE 2304.7(3). SHEATHING PANELS SHALL BE CONTINUOUS OVER TWO OR MORE SPANS AND PERPENDICULAR TO SUPPORTS. FOR 1/2" SHEATHING, MAXIMUM SPAN SHALL BE 24". EDGE SUPPORT MAY BE PROVIDED BY TONGUE AND GROOVE EDGES, 2X BLOCKING, OR PANEL EDGE CLIPS.

