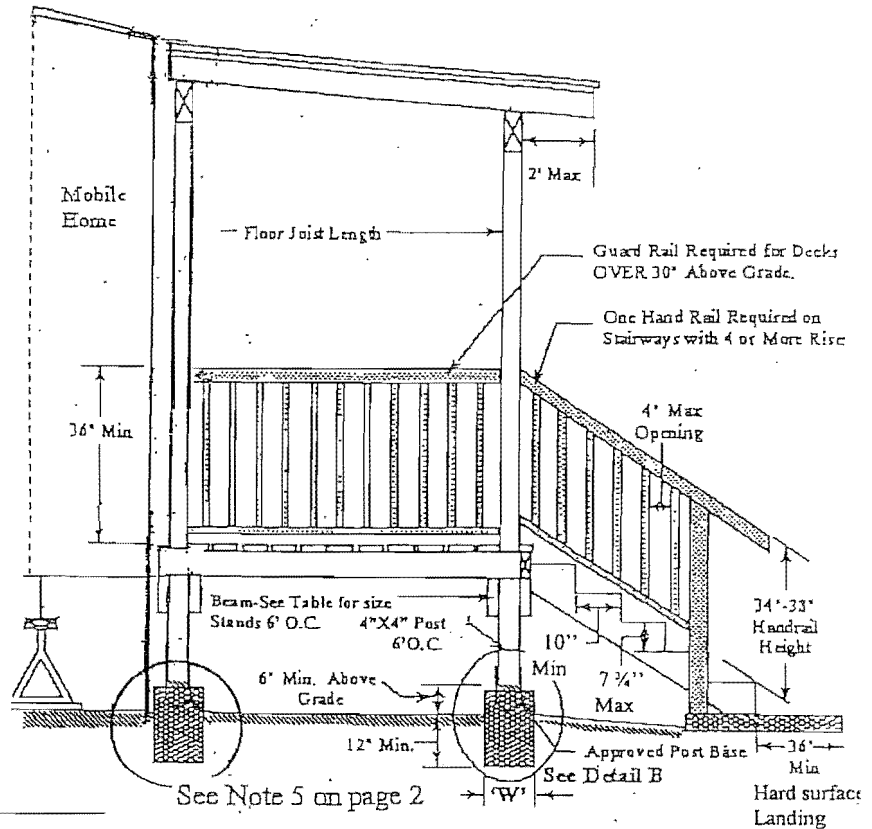
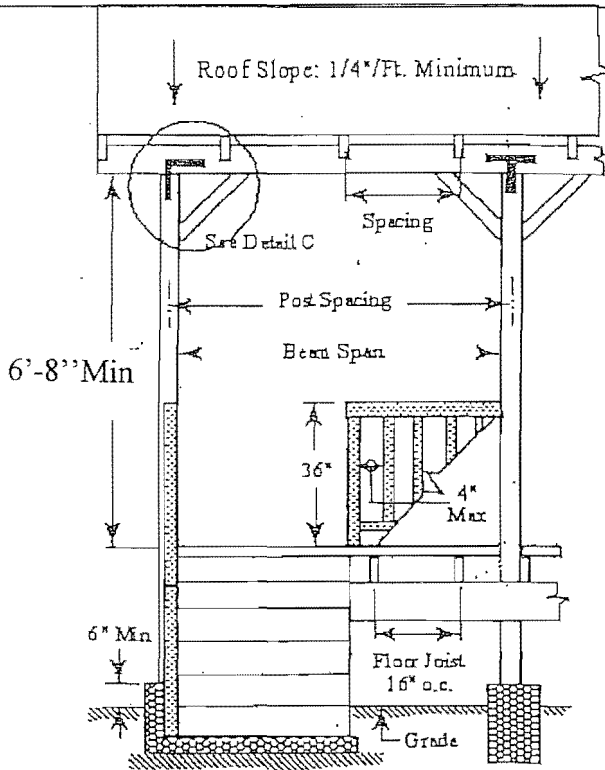


MOHAVE COUNTY DEVELOPMENT SERVICES DEPARTMENT
BUILDING DIVISION

OPEN PATIO & RAISED PORCH/DECK CONSTRUCTION

Fill in the spaces below and CHECK the appropriate details on page 2

FOR MOBILE OR MANUFACTURED HOMES



PATIO DIMENSIONS: Width _____ x Length _____

FOUNDATION: Pier Size _____ X _____ (See Footing Size Table)

POSTS: Size _____ in. X _____ in. Spacing _____ ft. _____ in.

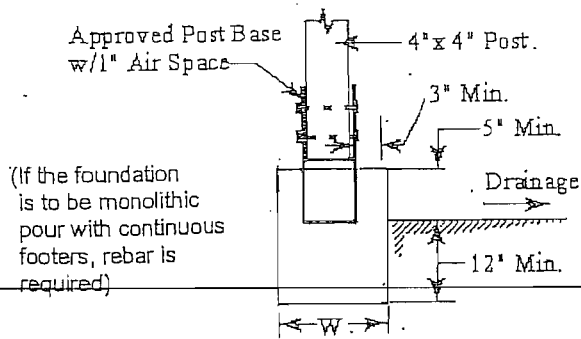
BEAM SIZE: _____ in. X _____ in. (See Beam Span Table)

RAFTER: SIZE _____ x _____ SPAN _____

SPACING: _____ On Center (See Rafter Span Table)

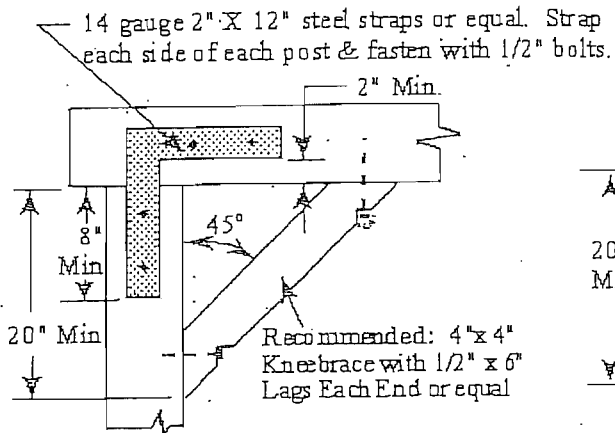
RAFTER SPANS			BEAM SPANS			FOOTING SIZE "W"								
Size Grade DF-L	Spacing On Center	Maximum Span	Rafter Span 15' 6" Maximum (See Note 1*) Doug Fir-Larch No. 1			Post Spacing	Rafter Length							
							8'	9'	10'	11'	12'	13'	14'	15'
2" X 4" Const.	12"	9' 5"	Size	Light Roof Note 2*	Heavy Roof Note 3*	8'								
	16"	8' 6"				9'								
	24"	7' 2"						12" X 12" Footing						
			4" X 4"	5' 6"	4' 1"	10'								
2" X 6" No. 2	12"	15' 6"	4" X 6"	9' 6"	7' 9"	11'								
	16"	14' 1"	4" X 8"	13' 6"	11' 0"	12'								
2" X 8" No. 2	12"	20' 5"	4" X 10"	17' 0"	13' 6"	13'								
	16"	18' 2"	4" X 12"	20' 3"	16' 0"	14'								
						15'								16" X 16" Ftg.
* See NOTES on page 2 Roof Slope: Minimum 1/4"/ft. Beams supporting rafters spanning longer than 15' 6" require justifying calculations.														

NOTES

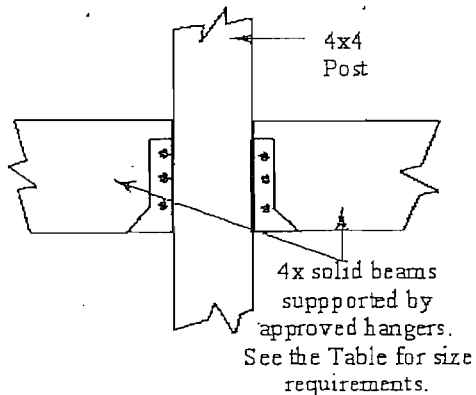


- (1) Beams supporting rafters spanning longer than 15' 6" require justifying calculations.
- (2) Light Roof Covering is lattice, aluminum, or fiberglass (3#/sq.ft. Maximum load)
- (3) Heavy Roof Covering is approved roofing materials over wood sheathing (10#/sq.ft. Max. load)
- (4) Roof Slope: Minimum 1/4" per foot
- (5) Patio post foundations for ground set mobile / manufactured homes using a concrete block skirting will require the post foundation base to be excavated 12" below the concrete block skirting into undisturbed soil.

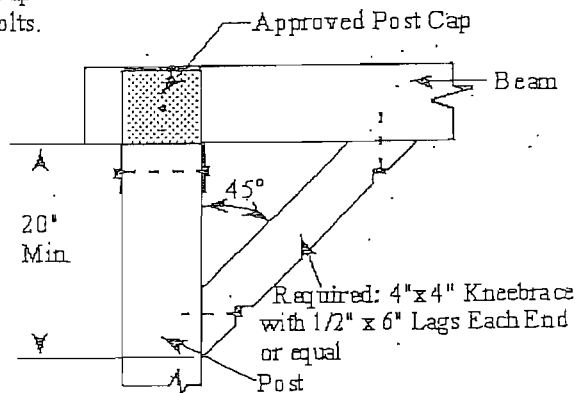
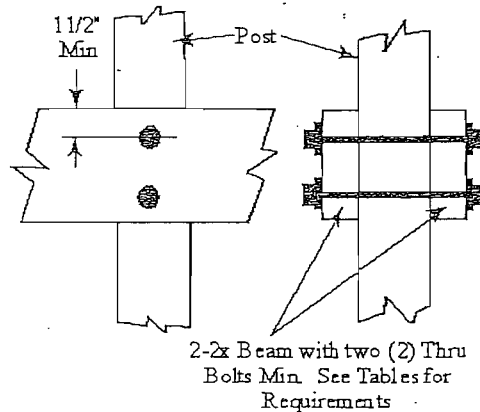
DETAIL C' CONNECTIONS/LATERAL BRACING



'L' & 'T' CONNECTORS ☐



SOLID BEAM WITH APPROVED HANGERS □

POST CAP & KNEEBRACE ☐

TWO MEMBER BOLTED BEAM □

CONCRETE FOOTING SIZE 'W'					TWO MEMBER BEAM BOLTING SIZE REQUIREMENTS					
Post Spac ing	Floor Joist Length				Floor Beam up to:	Floor Joist Length				
	6'	8'	10'	12'		6'	8'	10'	12'	
6'	12" X 12"			14" X 14"	6'	2 - 3/8"	2 - 3/8"	2 - 1/2"	2 - 1/2"	
7'			14" X 14"		8'	2 - 3/8"	2 - 1/2"	2 - 1/2"	2 - 3/4"	
8'			14" X 14"			10'	2 - 1/2"	2 - 1/2"	2 - 3/4"	2 - 1"
9'				16" X 16"	18" X 18"	12'	2 - 1/2"	2 - 3/4"	2 - 1"	2 - 1 1/4"
10'										
11'	14" X 14"		18" X 18"							
12'				20" X 20"						

FLOOR JOIST LENGTH		FLOOR BEAM SIZE (GRADE DF-L No 1)								
SIZE DF-L No. 2	MAXIMUM LENGTH AT 16" O.C.	FLOOR JOIST LENGTH	BEAM SPAN (DISTANCE BETWEEN SUPPORTS)							
			6'		8'		10'		12'	
2" X 6"	9' 9"	6'	4"X6"	2-2"X6"	4"X6"	2-2"X6"	4"X8"	2- 2"X8"	4"X8"	2-2"X10"
2" X 8"	12' 10"	8'	4"X6"	2-2"X6"	4"X6"	2-2"X6"	4"X8"	2- 2"X8"	4"X10"	2-2"X10"
2" X10"	16' 5"	10'	4"X6"	2-2"X6"	4"X6"	2-2"X8"	4"X8"	2-2"X10"	4"X10"	2-2"X12"
		12'	4"X6"	2-2"X6"	4"X8"	2-2"X8"	4"X8"	2-2"X10"	4"X10"	2-2"X12"