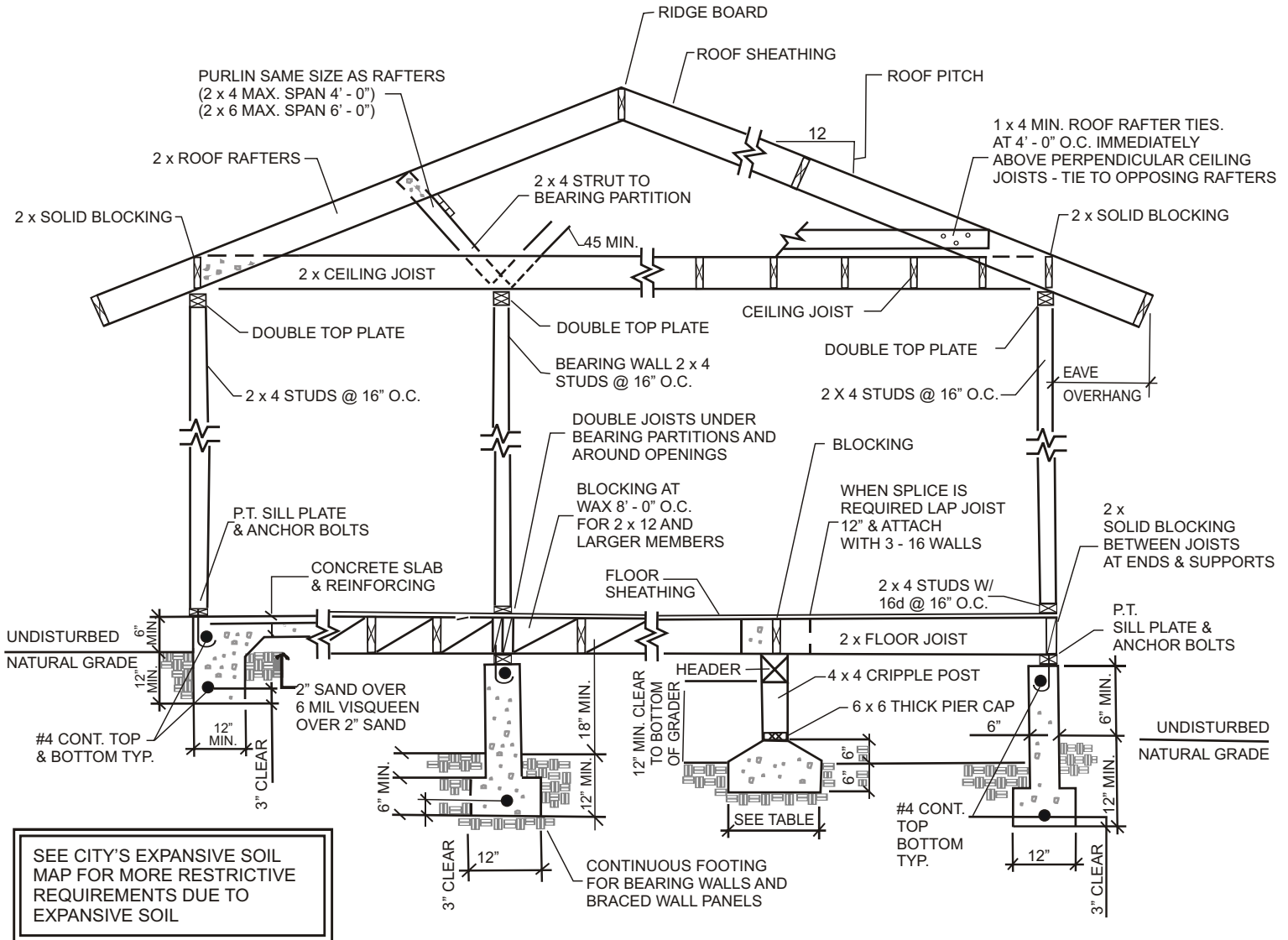


City of Costa Mesa Building Division

BUILDING PLAN REQUIREMENTS

FOR TYPICAL ONE-STORY SINGLE FAMILY RESIDENCE
(For general information only - not to be submitted in lieu of plans.)



ALLOWABLE SPANS FOR PLYWOOD ROOF AND FLOOR SHEATHING

Panel Span Rating	Thickness	Nail Size	Roof		Floor
			Edges Blocked	Edges Unblocked	T&G or Edges Blocked
24/0	3/8"	6d	24"	20"	*
32/16	15/32"	6d	32"	28"	16"
40/20	19/32"	8d	40"	32"	20"
48/24	23/32"	8d	48"	36"	24"

Notes:

1. Plywood continuous over 2 or more spans with face grain perpendicular to supports.
2. Nails shall be common.
3. Nail spacing shall be spaced a maximum of 6" o.c. at edges and 12" o.c. in the field.
4. These values apply for C.C., C.D. and Structural 1 grades only.

ALLOWABLE ROOF HEADER SPANS

SIZE	SPAN	
	DF No. 1	DF No. 2
4x4	4'-0"	4'-0"
4x6	6'-0"	6'-0"
4x8	8'-0"	8'-0"
4x10	10'-0"	10'-0"
4x12	12'-0"	12'-0"

Notes:

1. Maximum tributary area to DF Number 1 header is 13'-5"
2. Maximum tributary area to DF Number 2 header is 11'-9"
3. Maximum spans based upon 15 psf DL and 20 psf LL

ALLOWABLE GIRDER SPANS

SIZE	SPACING O.C.	SPAN		PIER SIZE
		DF No. 1	DF No. 2	
4x4	4'-0"	5'-9"	5'-6"	15"x15"
4x4	5'-0"	5'-4"	5'-0"	15"x15"
4x6	5'-0"	7'-9"	7'-3"	18"x18"
4x6	6'-0"	7'-0"	6'-6"	18"x18"
4x8	6'-0"	8'-9"	8'-6"	21"x21"

Notes:

1. Spans based upon girders not supporting partitions.
2. Maximum spans based upon 10 psf DL and 40 psf LL.
3. Pier sizes based upon 1000 psf soil bearing pressure.