

Southwest Washington Chapter of ICC

This construction detail is accepted as meeting the minimum standard of construction as based upon the 2004 IBC / WAC 51-50 requirements and is accepted in the following regional jurisdictions

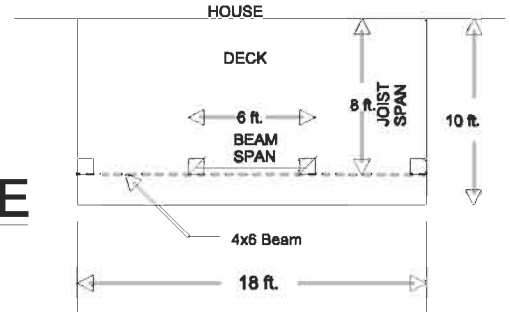
Clark County, Cowlitz County, Skamania County, City of Camas, City of Centralia, City of Kalama
City of Longview, City of Ridgefield, City of Vancouver, City of Washougal, City of Woodland

RESIDENTIAL DECK DESIGN WORKSHEET

Follow the steps below to complete your deck worksheet:

- On deck design page #2 of 8, draw a plan view of your deck showing all dimensions, beam lines and post locations.

EXAMPLE

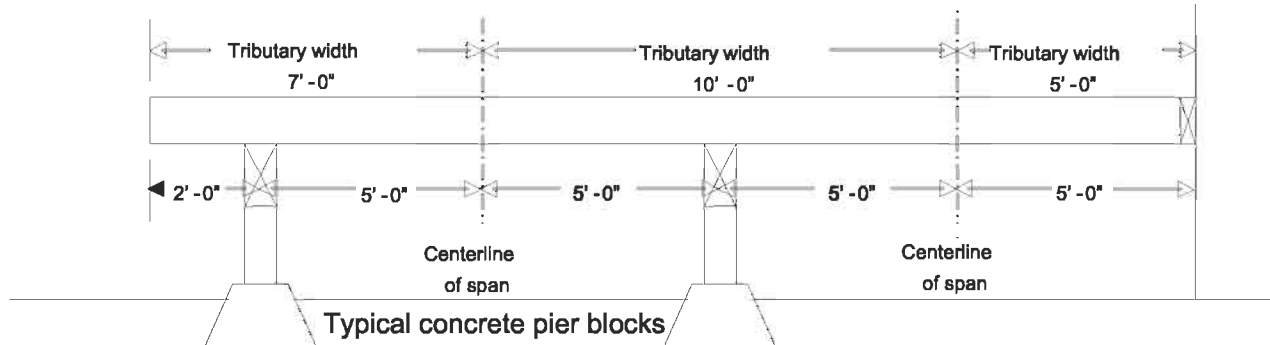


- On deck design #5, circle the crosssection that best resembles your deck and fill in the appropriate blanks with the sizes of your beams and joists. Following the steps below will help you determine adequate sizes and spacing for the structural members of your deck

- Use the table to determine an adequate size for your joists.
- Determine the tributary widths for your beams
- Provide a positive connection from post to beams and from post to footings

JOIST SIZE	JOIST SPANS	
	16" o.c.	24" o.c.
2x6	8'-0"	7'-0"
2x8	10'-6"	9'-0"
2x10	13'-0"	11'-6"
2x12	16'-0"	14'-0"

EXAMPLE



- Use the table to determine adequate sizes for your beams.

		Post Spacing/Beam Span Table (Hem-fir #2)								
TRIBUTARY WIDTH (in feet)		2	3	4	5	6	7	8	9	10
	4x6	10'-0"	8'-9"	7'-9"	7'-0"	6'-5"	6'-0"	5'-6"	5'-0"	4'-6"
BEAM	4x8	13'-3"	11'-6"	10'-3"	9'-3"	8'-6"	7'-9"	7'-0"	6'-6"	6'-0"
SIZE	4x10	17'-0"	14'-6"	12'-9"	11'-3"	10'-3"	9'-6"	9'-0"	8'-3"	7'-6"
	4x12	20'-3"	16'-9"	14'-9"	13'-3"	12'-0"	11'-3"	10'-6"	10'-0"	9'-3"

- If your deck has a cover, complete deck design #4 of 8
- Deck material shall be pressure treated wood or wood of natural resistance to decay.
- All connectors shall be corrosion resistant.

#50 03/02