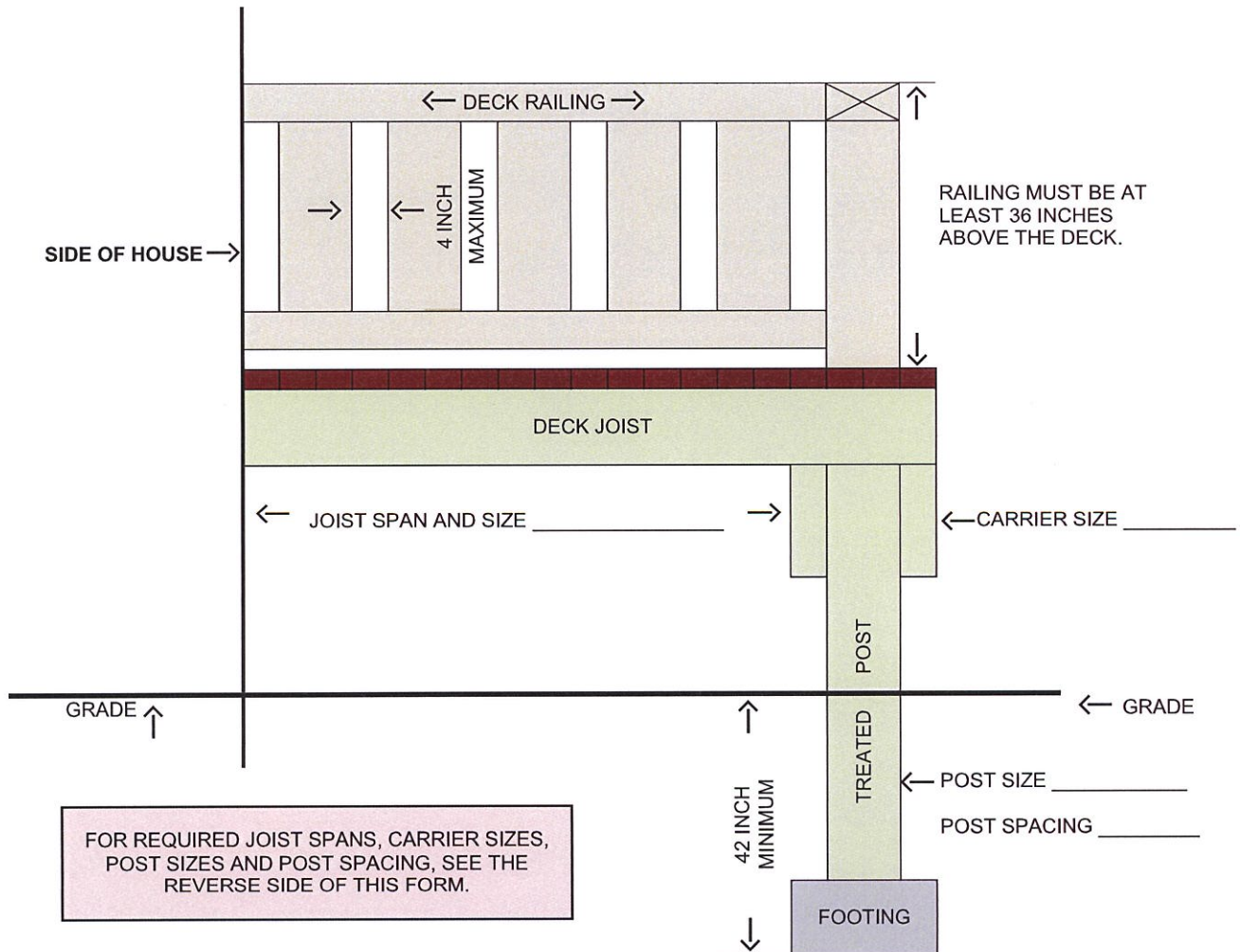
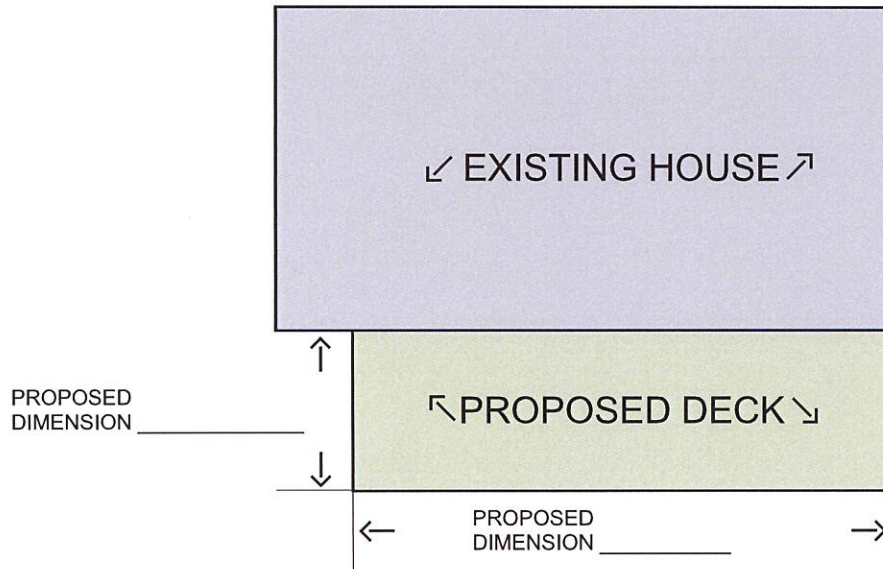


# DECK PLAN AND SITE DETAIL



# STANDARD WOOD DECKS

This chart does not include any roof loading or concentrated loads such as Hot Tubs or Large Barbecue Grills.

## CARRIER SIZES FOR DECKS

TOTAL WIDTH OF DECK (From the house to outside edge of the deck)	SUPPORT POST SPACING															
	TREATED #2 DOUGLAS FIR-LARCH OR SOUTHERN PINE								TREATED #2 RED/PONDEROSA PINE							
4 Feet	4 FEET	6 FEET	8 FEET	10 FEET	12 FEET	14 FEET	16 FEET	4 FEET	6 FEET	8 FEET	10 FEET	12 FEET	14 FEET	16 FEET	16 FEET	
6 Feet	2-2"x6"	2-2"x6"	2-2"x6"	2-2"x6"	2-2"x8"	2-2"x8"	2-2"x10"	2-2"x6"	2-2"x6"	2-2"x6"	2-2"x6"	2-2"x8"	2-2"x8"	2-2"x10"	2-2"x12"	
8 Feet	2-2"x6"	2-2"x6"	2-2"x6"	2-2"x8"	2-2"x8"	2-2"x10"	2-2"x12"	2-2"x6"	2-2"x6"	2-2"x6"	2-2"x8"	2-2"x8"	2-2"x10"	2-2"x12"	3-2"x12"	
10 Feet	2-2"x6"	2-2"x6"	2-2"x6"	2-2"x8"	2-2"x8"	2-2"x10"	2-2"x12"	2-2"x6"	2-2"x6"	2-2"x6"	2-2"x8"	2-2"x8"	2-2"x10"	2-2"x12"	4-2"x12"	
12 Feet	2-2"x8"	2-2"x8"	2-2"x8"	2-2"x10"	2-2"x10"	2-2"x12"	4-2"x12"	2-2"x6"	2-2"x6"	2-2"x6"	2-2"x8"	2-2"x8"	2-2"x10"	2-2"x12"	N.A.	
14 Feet	2-2"x8"	2-2"x8"	2-2"x10"	2-2"x10"	2-2"x12"	2-2"x12"	N.A.	2-2"x6"	2-2"x6"	2-2"x6"	2-2"x8"	2-2"x8"	2-2"x10"	2-2"x12"	N.A.	
16 Feet	2-2"x8"	2-2"x8"	2-2"x12"	3-2"x10"	4-2"x12"	4-2"x12"	N.A.	2-2"x8"	2-2"x8"	2-2"x10"	2-2"x10"	2-2"x12"	2-2"x12"	2-2"x12"	N.A.	

Note: Design formulas are from the American Forest & Paper Association, National Design Specifications For Wood Construction.

## JOIST SIZES FOR DECKS

JOIST SPACING	LENGTH OF JOISTS FROM BUILDING TO CARRIERS															
	TREATED #2 DOUGLAS FIR-LARCH OR SOUTHERN PINE								TREATED #2 RED/PONDEROSA PINE							
12 Inches on Center	4 FEET	6 FEET	8 FEET	10 FEET	12 FEET	14 FEET	16 FEET	4 FEET	6 FEET	8 FEET	10 FEET	12 FEET	14 FEET	16 FEET	16 FEET	
16 Inches on Center	2"x6"	2"x6"	2"x6"	2"x6"	2"x8"	2"x8"	2"x10"	2"x6"	2"x6"	2"x6"	2"x8"	2"x8"	2"x10"	2"x10"	2"x12"	
24 Inches on Center	2"x6"	2"x6"	2"x6"	2"x8"	2"x8"	2"x10"	2"x12"	2"x6"	2"x6"	2"x6"	2"x8"	2"x8"	2"x10"	2"x12"	N.A.	

Note: 5/4 Radius Edge Decking may not be used on joists 24 inches on center.

## FOOTING SIZES FOR DECKS

TOTAL WIDTH OF DECK (FROM HOUSE TO OUTSIDE EDGE OF DECK)	SUPPORT POST SPACING FOR 1500# PER SQUARE FOOT SOIL BEARING CAPACITY															
4 FEET	4"x8"	4"x8"	4"x8"	4"x8"	4"x8"	6"x10"	6"x10"	6"x10"	6"x10"	6"x10"	6"x10"	6"x10"	6"x10"	6"x10"	6"x10"	
6 FEET	4"x8"	4"x8"	4"x8"	6"x10"	6"x10"	6"x10"	6"x12"	6"x10"	6"x10"	6"x12"	6"x12"	6"x12"	6"x12"	6"x12"	6"x12"	
8 FEET	4"x8"	6"x10"	6"x10"	6"x10"	6"x12"	6"x12"	6"x14"	6"x10"	6"x10"	6"x12"	6"x12"	6"x14"	6"x14"	6"x14"	6"x14"	
10 FEET	4"x8"	6"x10"	6"x12"	6"x12"	6"x14"	6"x16"	8"x16"	6"x10"	6"x10"	6"x12"	6"x12"	6"x14"	6"x16"	6"x16"	6"x16"	
12 FEET	6"x10"	6"x12"	6"x12"	6"x14"	6"x16"	8"x16"	8"x18"	6"x10"	6"x10"	6"x12"	6"x12"	6"x14"	6"x16"	6"x16"	6"x16"	
14 FEET	6"x10"	6"x12"	6"x14"	6"x16"	8"x16"	8"x18"	10"x20"	6"x10"	6"x10"	6"x12"	6"x12"	6"x14"	6"x16"	6"x16"	6"x16"	
16 FEET	6"x10"	6"x12"	6"x14"	6"x16"	8"x18"	10"x20"	10"x20"	6"x10"	6"x10"	6"x12"	6"x12"	6"x14"	6"x16"	6"x16"	6"x16"	

Example: Concrete is 6 inches thick, 12 inches in diameter and the posts are 8 feet on center. The bottom of the footings must be 42 inches below the final grade.

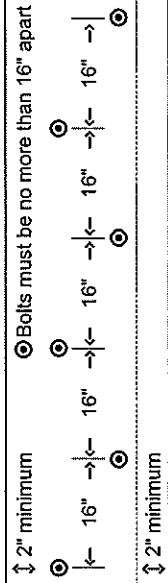
## SUPPORT POST SIZES FOR DECKS

THIS CHART IS FOR TREATED #2 DOUGLAS FIR-LARCH OR SOUTHERN PINE

DECKS HEIGHT ABOVE FINISHED GRADE.	MAXIMUM SQUARE FEET OF DECK SUPPORTED PER POST							
6 FEET	48	72	96	128	168	196	256	
8 FEET	4"x4"	4"x4"	4"x4"	4"x6"	4"x6"	6"x6"	6"x6"	
10 FEET	4"x4"	4"x6"	4"x6"	4"x6"	6"x6"	6"x6"	6"x6"	

### NOTE

With deck joists up to 16 feet long, the deck ledger board must be attached to the ribbon of the building with at least one 1/2 inch lag screw with a flat washer or one 1/2 machine bolt with flat washers a maximum of 16 inches on center. The lag screws or machine bolts must be staggered and must be 2 inches below the top and 2 inches above the bottom of the ledger or ribbon.



LEDGER BOARD SAMPLE