

Residential Deck Specifications



FLOOR JOIST CLEAR SPAN – _____
 (DISTANCE BETWEEN SUPPORTS)

FLOOR JOIST SIZE – _____

FLOOR JOIST SPECIES OF LUMBER –

- PONDEROSA PINE
- SOUTHERN YELLOW PINE
- OTHER – _____

FLOOR JOIST SPACING – _____

DECK FLOOR MATERIAL – _____

CARRIER/BREAM SIZE – _____

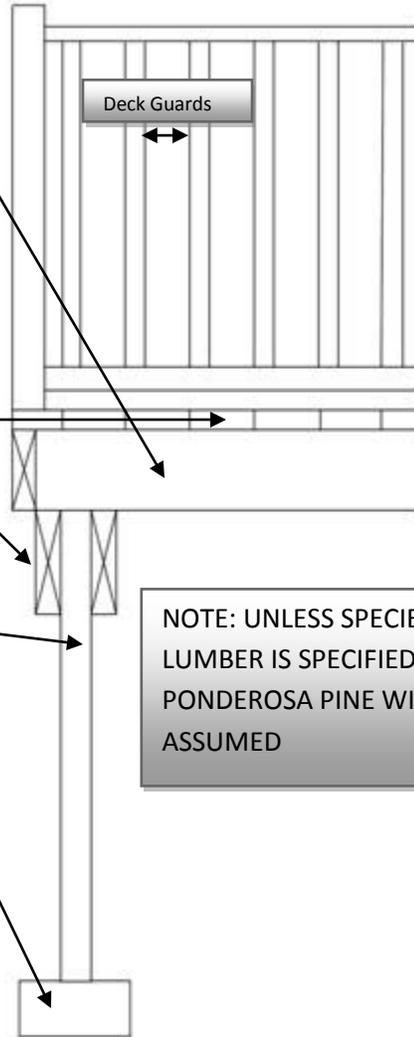
IS THE DECK ATTACHED TO THE HOUSE – YES NO

POST SIZE – _____

POST SPACING – FEET _____ INCHES _____

FOOTING DEPTH BELOW GRADE – _____ INCHES

FOOTINGS – WIDTH _____ HEIGHT _____



NOTE: UNLESS SPECIES OF LUMBER IS SPECIFIED PONDEROSA PINE WILL BE ASSUMED

SUBMIT A SKETCH OF THE DECK SHOWING THE LOCATION OF THE POSTS AND BEAMS.

Deck Guards

GUARDS ARE REQUIRED IF THE FLOOR IS 30 INCHES OR MORE OFF THE GROUND.
 (OPENINGS SHALL BE SIZED SO A 4 INCH SPHERE WILL NOT PASS THROUGH.)

DECK STAIRWAYS

STAIRWAYS SHALL NOT BE LESS 36 INCHES WIDTH. THE MAXIMUM RISER HEIGHT SHALL BE 8 ¼ INCHES AND THE MINIMUM TREAD DEPTH SHALL BE 9 INCHES.

DECK STAIRWELL HANDRAILS

ALL REQUIRED HANDRAILS SHALL BE CONTINUOUS THE FULL LENGTH OF STAIRWAYS WITH 4 OR MORE RISERS ON AT LEAST 1 SIDE OF STAIRWAYS. HANDRAILS SHALL BE PLACED NOT LESS THAN 34 INCHES OR MORE THAN 38 INCHES ABOVE THE NOSING OF THE TREADS. THE HANDGRIP PORTION OF HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION OF 1 1/4 INCHES MINIMUM TO 2 5/8 INCHES MAXIMUM. OTHER HANDRAIL SHAPES THAT PROVIDE AN EQUIVALENT GRASPING SURFACE ARE PERMISSABLE. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8 INCH. OPEN SIDES OF STAIRS WITH A TOTAL RISE OF MORE THAN 30 INCHES ABOVE THE FLOOR OR GRADE BELOW SHALL HAVE GUARDS NOT LESS THAN 34 INCHES IN HEIGHT MEASURED VERTICALLY FROM THE NOSING OF THE TREADS.

DELHI CHARTER TOWNSHIP

BUILDING REQUIREMENTS FOR DECKS

GENERAL REQUIREMENTS

- IF THE DECK IS ATTACHED TO THE HOUSE THE FOOTINGS SHALL BE DESIGNED AND CONSTRUCTED BELOW FROST DEPTH - 42" TO THE BOTTOM OF THE FOOTING.
- FLOOR JOIST AND STAIR STRINGERS SPACED AT TWENTY-FOUR (24) INCHES ON CENTER REQUIRES MINIMUM TWO (2) INCH NOMINAL DECKING. FLOOR JOISTS OR STAIR STRINGERS SPACED AT SIXTEEN (16) INCHES O/C. MAY USE 5/4-INCH MINIMUM DECKING. (5/4-INCH DECKING MAY BE INSTALLED DIAGONALLY ACROSS 16" O/C. JOISTS.)
- DECKS SHALL BE CAPABLE OF SUPPORTING A FORTY (40) POUND PER SQUARE FOOT LIVE LOAD AND TEN (10) POUND PER SQUARE FOOT DEAD LOAD FOR A TOTAL LOAD OF FIFTY (50) PSF.
- ALL FASTENERS (SCREW & NAILS) MUST BE CORROSION RESISTANT. ONLY JOIST HANGER NAILS MAY BE USED IN JOIST HANGERS WITH ALL HOLES FILLED. (ROOFING NAILS ARE PROHIBITED.)
- MAXIMUM CANTILEVER OF BEAM PAST A POST CANNOT EXCEED TWELVE (12) INCHES.
- DECKS BUILT TO SUPPORT A FUTURE ROOM – POST MUST BE AT OUTER PORTIONS OF DECK RIMS, BEAM CANTILEVERS ARE NOT PERMITTED AND LARGER DIAMETER FOOTINGS AND POSTS MAY BE REQUIRED.

JOIST SPAN TABLE

BASED ON NUMBER 2 OR BETTER WOOD GRADES

	PONDEROSA PINE	SOUTHERN PINE	WESTERN CEDAR
	12"OC 16"OC 24"OC	12"OC 16"OC 24"OC	12"OC 16"OC 24"OC
2 X 6	9'-2" 8'-4" 7'-0"	10'-9" 9'-9" 8'-6"	9'-2" 8'-4" 7'-3"
2 X 8	12'-1" 10'-10" 8'-6"	14'-2" 12'-10" 11'-0"	12'-1" 11'-1" 9'-2"
2 X 10	15'-4" 13'-3" 10'-10"	18'-0" 16'-1" 13'-5"	15'-5" 13'-9" 11'-3"
2 X 12	17'-9" 15'-5" 12'-7"	21'-9" 19'-0" 15'-4"	18'-5" 16'-0" 13'-0"

REQUIRED INSPECTIONS

- ✓ FOOTINGS: AFTER THE HOLES ARE DUG, BUT **PRIOR TO POURING CONCRETE.**
- ✓ FINAL: WHEN THE STRUCTURE HAS BEEN COMPLETED.