

# Installation: Foundation & Subflooring

## Clear Wood

area of the wood without defects or knots

## Machine Stress Grading

method of grading which evaluates wood for bending strength and modulus of elasticity

## Modulus of Elasticity

measures a wood's strength and flexibility

## Machine Evaluated Grading

method of grading which evaluates each piece of lumber using non-destructive methods for different strength and stiffness classifications

## Lumber Stamp

indicates grading association, species, mill identification number, grade and moisture content on a piece of lumber

## Span

distance between two intermediate supports

## Dead Load

weight of a structure, excluding the weight of the occupants

## Live Load

weight of a structure including the weight of the occupants

## Deflection

amount a framing member will bend or deflect under a load

## E Value

modulus of elasticity of the framing member

## Fb Value

rates the amount of stress a piece of lumber can stand before failing

## Hardness or Softness

refers to the density of the wood

## Janka Test

measures wood hardness

## Foundation

lowest load-bearing portion of a building

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## Subflooring

foundation for a floor in a building

## Dimensional Lumber

lumber cut to standard width and depth (specified in inches)

## Girders

beams used for supporting joists

## Joists

horizontal lumber used to support the structure of the structure; run every 16 inches

## Framing

fitting materials together to give a structure support and shape, such as floors and sills

## Headers

horizontal material supporting the ends of joists

## Mudsill

lowest portion of the floor framing

## Bridging

bracing joints for stability and load distribution

## Subfloor Decking

sheet material installed on top of flooring joists

## Decking

initial platform on which the flooring system is dependent

## Cantilever Floor

structure in which floor joints extend out past the foundation of the structure

## Backspin

distance on the back side of the joists

## Skids

platforms on which structures are placed to support the foundation and enable the structure to be moved

## Stem Walls

supporting structures which join the foundation with the vertical walls

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## Bowing

when the board curves to the left or right

## Crown

when the board is curved up or down

## Chalk Line

marking device used for making straight lines