Glossary of Terms.

Beam	A framing structural member used to support a series of joists, trusses or rafters, in place of a continuous wall.
Bottom Plate	The bottom, horizontal structural member of a stud framed wall. The bottom plate sets on the subfloor, nails through the subfloor into floor joists.
Box Joist	A framing member to help support the ends of a row of joists, which is attached to them at right angles. Also known as a rim joist.
Bridging	Small pieces of wood or metal strapping placed in an X-pattern between the floor joists at midspan to prevent the joists from twisting and squeaking.
Cap Plate	The upper top plate.
Cripple Stud	Short studs placed between the header and a top plate or between a sill and sole plate.
Crown	The upward bow, curve or rise along the length of a board. Deck boards are set on end with the crown up. Over time, the crown will sag and the board will straighten.
Collar Tie	A horizontal framing member that connects opposite rafters.
Face-Nail	Driving a nail perpendicularly through the width side board (i.e. straight, 90-degree angle)
Fascia	The visible flat front board that caps the rafter tail ends and fly rafter edges.
Floor Joists	The main subfloor framing members that support the floor span.
Header	A beam placed perpendicular to wall studs above doors, windows or other openings to carry the weight of structural loads.
Heel (Heel Cut)	The vertical/plum cut perpendicular at the seat cut of a rafter, at the outside face of a supporting wall.
Joist	Parallel framing member installed horizontally to support floor and ceiling loads.
Load-Bearing Wall	A wall that supports structural weight above it. Identified by having overlapped or
	butted ceiling joists running perpendicularly above it.
Miter	An angled cut, usually 45°. Unlike a compound miter cut, the saw blade remains straight at 0°.
Non Load-Bearing Wall	A wall that supports no load other than its own weight.
On Center (O.C.)	The term used to define the spacing between studs, joists, rafters, etc. O.C. measurements are taken from the center of one member to the center of the
	adjacent member.
Penny	A term applied to nails that originally meant the price per hundred. Today, it indicates nail length and is abbreviated with the letter "d," the English sign for one cent.
Plumb	"Vertical", walls are Plum when they are perfectly perpendicular to a level surface.
Plywood	A piece of wood made of three or more layers of wood veneer laminated together with glue.
Rafter Rise:	Is the vertical distance a rafter will span from where the rafters top edge is in line (plumb) with the outside of the wall to the roof peak.
Rafter Run	Is the horizontal distance a rafter will span. It is measured from the outside of the wall to the center of the ridge (one half the building width).
Rafters	Typically a 2x6 or greater horizontal framing member used to construct roofs. These rafters connect between the Cap Plate and Ridge Board. (See Common, Hip, Valley, Jack, and Cripple rafters).
Ridge Board	Typically a 2x8 or greater horizontal framing member used to construct roofs. This member extends the length of a roof and rafters are attached to it.
Rough Opening	The framed-in opening, slightly larger than the actual window/door, that replaces wall studs to support the structure and accommodate a window/door.
Seat (Seat Cut)	The horizontal cut portion of a rafter which sets on a cap plate.
Sheathing	The structural covering applied over studs, or rafters.
Sill	The piece of structural wood forming the lower side of a window opening.

Sill Plate	The horizontal wood member that is anchored to the foundation (pressure treated), it provides a nailing surface for joists or studs placed on it.
Sleeper.	Supporting timber at or near the ground to support joists, or a joist itself.
Sole Plate	The bottom horizontal structural member of a stud framed wall.
(or bottom plate)	
Spacer Blocks	Short 2x4 or 2x6 blocks nailed to corner studs to form a corner post.
Span	The horizontal distance a rafter, or joist will span. It is measured from the outside of the wall to the center of the supporting member (one half the building width for rafters).
Stud	A 2x4 or 2x6 vertical framing member used to construct walls and partitions.
Subfloor	Boards or plywood installed over joists on which the finish floor is laid.
Tack	A temporary nailer. An object it "tacked" into place to assist in positioning, measuring, handling, etc.
Toenailing	Starting a nail at an angle or slant in one framing member and driving it through into a second (usually perpendicular) framing piece.
Top Plate	The top horizontal framing members of a framed wall.

Material and Tool Identification

Wood Frame Construction Fasteners and Materials

Fasteners



















Wood/Lumber



Plywood



















Measuring and Layout





















































