



Material	Description	Function
Alphabetical order		
Anchor Bolt	Galvanized J- shape bolt, 1/2" dia. (8" – 16" long) , tressed on top with galvanized washer & nut.	Secures wooden sill to concrete foundation.
Baffles	Plastic or Styrofoam , pre made to fit between rafters , slightly contoured to create a cavity	Creates a barrier (Air-Flow) between roof & insulation
Bridging	Wood installed perpendicular to either floor or ceiling joist at mid span.	Unites joist thus distributes the weight , prevents joist from twisting
Box	Outer perimeter floor member , single when perpendicular to floor joist , double when parallel.	Structural member , supports weight of exterior walls .
Ceiling joist	Wood structurally member , varies in size based on span , usually installed 16" on center.	Prevents exterior walls from bowing out , nailing surface for drywall
Collar tie	Wood framing (usually 2" x 4" or 2" x 6 " or 1" x 6") , secured to opposing rafters. Every 4' apart	Strengthens roof framing , preventing rafters from sagging.
Cripple stud	Vertical wood structural member , usually a 2" x 4" or 2" x 6" , installed under window openings	Structural , continuation of framing when a window exist.
Damp proofing	Applied by spraying or brushed . Tar – Like material .Applied on exterior side of foundation wall, below grade.	Damp proof / water proof foundation.
Drain pipe , downspouts	P.V.C solid piping , usually 4" diameter , pitched ,	Collects rain water from downspouts by route of gutters and disburses away from house
Drain pipe , foundation	P.V.C piping , 4" diameter , perforated holes face down , enclosed in filter fabric.	Collects ground water , disburses away from house.
Drip edge	Aluminum strip in 10' lengths , L-shape. Secured on roof sheathing along bottom perimeter.	Guides rain water from roof into gutter.
Drywall , ceiling	Gypsum product in 4'x 8' to 4' x 16' sheets , usually ½" thick . Standard ,moisture resistant or fire rated.	Finished Interior product , painted
Drywall , walls	Gypsum product in 4' x 8' to 4' x 16' sheets , usually ½" thick . Standard , moisture resistant or fire rated.	Finished Interior product to paint , tile or panel.
Exterior surface	A variety of materials such as vinyl , wood clap boards , wood shingles , stone , brick, composite .	Finished exterior product , barrier against weather .
Fascia	Wood member , usually a 2" 4" or 2" x 6". Nailed perpendicular to ends of rafters	Secures gutters , nailing surface for drip edge , soffit & roof sheathing.
Felt paper	Comes in a roll , usually 3' 0" wide , tar paper	Acts as a vapor barrier.
Foundation	Poured concrete , 8" thick on 1 story additions or 10" thick on houses & 2 story additions	Supports entire house
Footings , columns	Poured concrete located directly under lally columns , usually 24" x 24" x 24"	Supports lally columns , thus entire house
Footings , foundation	Poured concrete , usually 10" thick x 20" wide , entire perimeter under foundation walls.	Supports foundation wall , thus entire house
Floor joist	Structurally horizontal wood , usually 2" x 8" or 2" x 10" , depends on span . Spaced 16" on center	Premise of a floor , structurally
Girder	Horizontal structural member , either conventional framing , laminate beam or steel.	Supports entire house , structurally
Gravel	Granular stone , max 2" diameter , min 2" thick.	A secure base for concrete slab floor

Material	Description	Function
Gutter	Usually white (other colors) made of aluminum , also copper	Collects rain water from roof , disperses in downspouts , away from house foundation.
Header	Horizontal wood member over all window & door openings	Disperses weight away from cavity opening to vertical side supports (studs)
House Wrap	Comes in a roll , usually 9' 0" wide , stapled to exterior wall sheathing	Creates an exterior water resistant shield during construction. Also a vapor barrier
Hurricane Ties	Pre bent metal with perforated holes for nails. Usually 1 1/2" wide x 5" long	Secures roof structure to wall structure.
Ice & Shield	Rubberized asphalt membrane in a roll , applied bottom 3' 0" of roof perimeter	Self seals roof nails to assure no water penetration from gutter back ups.
Insulation , floor , walls & ceiling	Fiberglass product in rolls or batts with vapor barrier 1 side. Stapled to framing.	Keeps heat in , cold out.
Interior partition	Bearing & non-bearing , usually 2" x 4" constructions , studs 16" on center.	Bearing are structurally , creates a floor plan / creates & divides rooms
Lally Column	Solid cement encased in a hollow steel column , usually 4" diameter, spaced min 8' 0" apart.	Structurally , vertical , supporting girder.
Rafter	Roof member , pitched from ridge board to exterior wall , size varies from 2" x 6" to 2" x 12" , usually 16" on center	Structurally , creates a roof .
Ridge board	Roof member , usually 1 size wider than rafter. Runs perpendicular to top ends of rafters.	Unites roof structure.
Ridge vent	Applied at peak of roof over ridge board & roof sheathing , Roll or rigid product.	Create air-flow thus prevents heat build-up, decay , mold & delamination
Roof Shingles	Variety of colors , usual style is standard 3-tab or architectural , variety of options on warranty , from 20 to 50 years.	Finished exterior barrier product
Sheathing , walls , floor , roof	Nailed or screwed or glued or a combination to framing , usually 4' x 8' sheets , 1/2 " to 3 / 4" thick.	Create a building surface.
Shoe	Bottom board of interior / exterior partitions , applied perpendicular to studs , usually 2" x 4" or 2" x 6"	Unites studs , secures wall to floor.
Sill	Pressure treated , usually 2" x 6" or 2" x 8" , single or double. Rest directly on top of wall foundation	Creates a level & nailing base for floor structure
Sill sealer	Flexible Styrofoam product in a roll , water resistant , usually 3/8 " thick (non- compressed) , 6" wide	Creates a seal between foundation wall & wood sill
Slab	Poured concrete , minimum 3 1/2 " thick in basements , thicker in garages .	Creates a livable , useable , secure walking area. Creates a moisture barrier .
Soffit , venting	Overhang of roof structure. Finished in plywood , pine or vinyl.	Creates air-flow thus prevents heat build-up , decay , mold or delamination
Span	Distance between bearing points on following , rafters , floor joist , ceiling joist , headers over windows & doors.	
Strapping	Metal product , roll form about 1 1/2" wide , cut to desired length , perforated holes for nails,	Unites 1 level framing to another . (floor to wall , wall to roof , etc.)
Strong back	Wood member (usually 2" x 4") nailed perpendicular to top of ceiling joist , mid span .	Unites & strengthens ceiling system , prevents joist from twisting
Studs	Vertical framing members in all partitions , usually 2" x 4" or 2" x 6" , 16" on center	Structurally , location of electrical wires , plumbing , insulation , etc.
Underlayment	2nd layer , applied directly over sub-floor. Usually 4' x 8' sheets of plywood . Also concrete board for tile.	Preparation layer for finish floor