



**Material****Description****Function****Alphabetical order****Anchor Bolt**

Galvanized J-shape bolt, 1/2" dia. ( 8" – 16" long ), treaded on top with galvanized washer &amp; 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 &amp; 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 structural 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 &amp; 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 &amp; 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 i 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 then 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 s 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 to 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

2<sup>nd</sup> layer , applied directly over sub-floor. Usually 4' x 8' sheets of plywood . Also concrete board for tile.

Preparation layer for finish floor