

**LAFAYETTE CONSOLIDATED GOVERNMENT
PLANNING, ZONING & DEVELOPMENT DEPARTMENT
CODES DIVISION**

Residential Permit Requirement Guidelines:

EXAMPLES OF JOBS REQUIRING A PERMIT:

- A new residence
- Home additions and most renovations
- Covered patios
- Accessory structures
- Roofing that exceeds 100 square feet
- Replacing or relocating a hot water heater
- Replacing or relocating an air conditioning unit or components (excluding window units)
- Any electrical work
- Any plumbing work
- Pools; below and above ground
- Gas line work
- Sewer line work
- Relocation of a house or mobile home
- Fences over 7 feet in height
- Structures on slab
- Others, as defined by the of Planning, Zoning & Development Department

EXAMPLES OF RESIDENTIAL PERMIT EXEMPTIONS:

(must comply with Development/Zoning regulations)

- Fixture Replacements (Electrical & Plumbing)
- One story detached accessory structures 200 square feet or less on a movable foundation, but must comply with Zoning setbacks.
- Fences under 7 feet high.
- Decks not exceeding 200 square feet in area, that are not more than 30 inches above grade.
- Retaining walls not over four (4) feet high.
- Sidewalks and driveways not more than 30" above grade.

Registration with the State Licensing Board is required for Alteration & Addition work costing \$7,500.00 or more.
(Residential Licensing Division: (225) 765-2301)

NOTE: A Homeowner may obtain a Building Permit to build his/her own home according to the State Licensing Board for Contractors. An affidavit claiming exemption from licensure supplied by our Permit Office must be completed and notarized. The Homeowner is required to reside in the residence for one full year after certificate of occupancy is issued.

NOTE: Electrical, Plumbing, and Mechanical Permits may also be obtained by the homeowner, **but we strongly urge the Homeowner to use Licensed Sub-contractors. IF PLUMBING OR ELECTRICAL IS PERFORMED BY HOMEOWNER INSTEAD OF A LICENSED PLUMBER OR LICENSED ELECTRICIAN, PLEASE NOTE THAT YOU ARE REQUIRED TO FOLLOW THE SAME RULES AND REGULATIONS AS A LICENSED CONTRACTOR. ALSO, THE INSPECTOR HAS THE RIGHT TO REQUIRE A LICENSED CONTRACTOR IF THE PERSON PERFORMING THE WORK IS UNQUALIFIED.**

NOTE: These are procedures for homes built on site; a third party review letter and moving permit will be required when a house is built off site.

NOTE: New residences being built on a lot with "open ditches" must obtain a culvert permit from the Department of Public Works (337-291-5634). ******(Prior to its installation)

NOTE: see page 7 for Lafayette's effective code compliance requirement references.

APPLICATION FOR NEW ONE OR TWO FAMILY RESIDENCE PLAN REVIEW

FEE SCHEDULE:

Residential Plan Review Fee: \$50.00

Re-inspection Fee: \$50.00

Overtime Inspection Fee: \$50.00

Building Permit Fee: \$3.50 per \$1,000.00 of Fair Market Value

Two-Part Review

1. Required documents for a Planning & Zoning Site Review (3 to 5 day process time)

- Site plan with dimensions (minimum required can be on 8 ½" x 11" piece of paper). Include Subdivision Name, Phase, Lot Number, and Street Address. Include ALL buildings on site and their relationship to property lines, streets, and/or easements. If any portion of an eave overhangs an easement, provide an elevation drawing showing the dimensions from the ground to the bottom of the eave.
- Residential permit application (can be found on LCG website <http://www.lafayettela.gov>).
- REScheck certificate (2012 version). This is a free program that you can find at <http://www.energycodes.gov>. This requires you to enter information about doors, windows and other materials your house will be built with to evaluate energy code compliance.

Planning & Zoning Site Review Process: The above documents are to be submitted to:

Planning, Zoning & Development Department

Codes Division

220 West Willow Street, Building B

Lafayette, LA 70501

or

Via email: etrakit@LafayetteLA.gov (PDF format required)

Upon application approval, you will be notified so you can proceed with the Residential Plan Review.

NOTE: If you are notified that your home is located in a flood zone, an elevation certificate, prepared by a licensed Surveyor or Engineer, will be required prior to the building slab, open wall and final inspections. All foundations and machinery/equipment must be a minimum of one foot above the Base Flood Elevation.

2. Required documents for a Residential Plan Review:

- Approved site plan- drawn to scale (referenced above).
- Dimensioned and labeled floor plan: This should include all equipment, appliance and plumbing fixture locations.
- Door and window schedule: Descriptions of sizes and types indicating safety or tempered glass where required and energy rating of the same.
- Foundation Plan: Locations of all interior and exterior footings as well as any special foundation requirements such as footings for fireplaces and shear walls. Details of footings showing depth, width, reinforcing, vapor barriers, fill and slab reinforcing.
- Stair details, handrail and guardrails required as well.
- 3 copies of the **Affidavit Claiming Exemption from Licensure**, each signed and notarized.

Residential Plan Review Process: The documents are to be submitted at 220 West Willow Street, Bldg-B. At this time the applicant will meet with a Codes representative to review plans and requirements (ref: pg 7 for compliance requirement references) . Upon approval from Codes representative the applicant will be able to purchase a permit and proceed with construction.

REQUIRED INSPECTIONS

(pages 4, 5 & 6 are checklists for inspection preparation)

Building, plumbing, electrical, heating and air conditioning contractors are to contact the Codes Division for inspections with the appropriate permit number at the appropriate project stages.

1. **Foundation Inspections:** Prior to a building foundation inspection, all plumbing, electrical and/or mechanical sections must be inspected and approved for all devices, equipment, wiring, piping, etc. that are installed under the foundation.

The building foundation inspection will be made when the slab and footings have been completely prepared, before pouring. All reinforcement and vapor barriers must be in place and termite treatment applied. All foundations must be free of vegetation and organic material. All footings must extend at least 12 inches into undisturbed soil, or shall be placed in properly compacted fill. Compaction tests will be required for footings in fill.

2. **Open Wall Inspections:** Electrical, plumbing, and mechanical open wall inspections must be approved prior to the building open wall inspections.

The open wall inspection **MUST** be made before the interior wall materials are applied, i.e.: sheet rock, paneling. The inspectors will check structural aspects, moisture barriers, any flashing (i.e.: brick, window, roof etc.), windows, doors, other egress, tempered glass, any fire rating systems required, uplift connections, joist spans, rafter spans, chimney, fireplace, header spans, bracing and any REScheck elements (i.e.: exterior and roof finishes).

3. **Electrical Service Inspections:** This inspection is to put power on to the house and is required before a final inspection can be made.

This inspection is only to allow service to be provided to the home. Passing this inspection does not constitute a certificate of occupancy. Typically this inspection will be done before painting, cabinet installation or other interior finishing.

4. **Final Inspections:** This will review all remaining aspects of the building including follow-up to previous inspections.

5. **Gas Inspection:** This inspection is to get gas turned on to the house. If the mechanical heating unit is gas, the mechanical final inspection must be approved before you can order a plumbing and gas final inspection. Gas can be turned on to the house one of the following ways: 1) Final plumbing and gas inspections done at the same time, 2) If you want gas turned on before the final plumbing inspection, you must sign a gas release form.

Final inspection **MUST** be done before the certificate of occupancy can be issued after completion. The inspectors will check for finished walls, lot clean and graded for drainage, soffit/roof vent for attic ventilation, plumbing final, electrical final, heating & air conditioning final, municipal number posted, smoke detector installed, final flood certificate w/ color photos for property in a designated flood hazard area & final energy inspection.

Note: A permit is a license to proceed with the work and shall not be construed as authority to violate, cancel, alter or set aside any of the provisions of the Lafayette City-Parish Code of Ordinances. Furthermore, the issuance of a permit shall not prevent the Building Official from thereafter requiring a correction of errors in plans or in construction, or of violations of the Code.

Note: Stairway inspections will be conducted during both open wall and final inspections.

CHECKLISTS-

Note: IRC 2012 refers to the 2012 International Residential Code

(a copy of the 2012 International Residential Code can be located in the reference section of the Lafayette Public Library, Johnston Street Branch)

Checklist for SLAB INSPECTION:

- Setback requirements from property lines and/or easements. (IRC 2012: Table 302.1)
- Site preparation. The area within the foundation walls shall have all vegetation, top soil and foreign material removed. (IRC 2012: Table R506.2)
- Protection against termites-chemical soil treatment. The concentration, rate of application and treatment method of the termiticide shall be consistent with and never less than the termiticide label. (IRC 2012: R318.1)
- Exterior footings-12" into undisturbed soil, minimum thickness 20" including slab, minimum width 12" (with brick 16"). (IRC 2012: R403.1) Compaction test will be required on built up pads.
- Moisture / vapor barrier 6 mil (0.15 mm) polyethylene (visqueen 6 mil) or 2 ply hot-mopped felts, 55# rolled roofing, 6 mil (0.15 mm) polyvinyl chloride, 40 mil (1mm) polymer-modified asphalt. (IRC 2012: R506.2.3)
Exception: the vapor retarder may be omitted from:
 - flat work that is not likely to be closed in at a later time (i.e.: sidewalks and drives)
 - garages and structures that will not be heated
 - where approved by the building official
- The joints in the membrane shall be lapped and sealed with an adhesive compatible with the waterproofing membrane. Minimum of 6" laps at joints. (Duct tape or roofing pitch, lap visqueen.) (ref. IRC 2012: R506.2.3)
- Reinforcement support- chairs for reinforcement wire from the center to upper 1/3 of the slab for the duration of the concrete placement. (ref. IRC 2012: R506.2.4) Wire may be on concrete brick, no clay brick allowed.
 - Seal all holes around plumbing pipes, duct tape and/or roofing pitch may be used
 - Sleeve all copper pipes through concrete.
 - PEX pipe required to be in schedule 40 PVC
- See grounding diagram pg. 9. (Nation Electric Code, 2011 Edition)
- An Elevation Certificate will be required at this phase if you are located in a flood zone (surveyor)

Checklist for PIERS:

- Termite shields
- Joints on top of piers
- Joints are connected together
- Galvanized nails in treated wood
- Hangers & ledgers
- Spacing of joints, beams & piers
- Beams less than 12" off the ground to be treated wood
- Joists less than 18" off ground to be treated wood

Checklist for STAIRWAYS:

Note: Stairway inspections will be conducted during both open wall and final inspections.

- Landings every 12' feet vertical. (IRC 2012: R311.7.5)
- Handrails required for 4 or more risers, height 34" to 38" from nose of riser. (IRC 2012: R311.7.7)
- Handrail grip size 1 1/4" to 2 3/4" and be able to withstand a 200 lbs thrust.(IRC 2012: R311.7.8.3)

- Handrail continuity – continuous, even with bottom and top risers. Ends shall terminate at newel post of safety terminal or wall. (IRC 2012: R311.7.8.2)
 - Guardrails, stairs, ramps and landings more than 30" above grade - baluster 4" sphere balcony guardrails 4-3/8" sphere on stair guardrails. (IRC 2012: R312.1.3)
 - Minimum Headroom required 6'-8". (IRC 2012: R311.7.2)
 - Minimum width of stairs 36" finished. (IRC 2012: R311.7.1)
 - Riser height 7 ¾" max. 3/8" tolerance between greatest and smallest riser heights. (IRC 2012: R311.7.5.1)
 - Tread depth 10" with 3/8" tolerance, and nosing required. (IRC 2012: R311.7.5.2)
 - 1" nosing not required with 11" treads(IRC 2012: R311.7.5.3)
- Exception:** winders 10" measured at 12" from narrow edge, with a minimum tread depth of 6" at any point with 3/8" tolerance.

Checklist for OPEN WALL INSPECTION:

- Preservative-pressure treated lumber bottom plate. (IRC 2012:R317.1)
- Protection against decay- preservative treated lumber (IRC 2012:R317)
- Studs fastened to treated plates (IRC 2012:R317.3.1)-Fasteners required for pressure-preservative and fire-retardant-treated wood shall be of hot-dipped zinc-coated galvanized steel, stainless steel, silicon bronze or copper. (½" diameter or larger steel bolts will be accepted as well)
- Flashing shall be applied or installed on the outside of the sheathing materials with the house wrap, felt or tyvek lapping over the vertical edge in a single fashioned manner. (IRC 2012:R703.8)
 - Exterior window and door openings. Flashing at exterior window and door openings shall extend to the exterior wall finish or to the water resistant barrier for subsequent drainage (if using window tape: tape 2 sides and top of window-not the bottom)
 - At the intersection of the chimneys or other masonry construction with frame or stucco walls, with projecting lips on both sides under stucco copings.
 - Under and at the ends of masonry, wood or metal copings and sills
 - Continuously above all wood projecting trim
 - Where exterior porches, decks or stairs attach to a wall or floor assembly of wood-frame construction
 - At wall and roof intersections
 - At built-in gutters
- Weather protection / flashing (IRC 2012:R903)
- Flashing shall be installed in a manner that prevents moisture from entering the wall and roof from joints and copings, through moisture permeable materials and at intersections with parapet walls and other penetrations through the roof plane. (IRC 2012:R903.2)
- Locations of flashing. Flashing shall be installed at wall and roof intersection, wherever there is a change in roof slope or direction and around roof openings. Where flashing is of metal, the metal shall be corrosion resistant with a thickness of not less than 0.019 inch (0.5 mm) (No. 26 galvanized sheet). (IRC 2012:R903.2.1)
- A cricket or saddle shall be installed on the ridge side of any chimney or penetration more than 30 inches wide as measured perpendicular to slope. Cricket or saddle coverings shall be sheet metal or of the same material as the roof covering. (IRC 2012:R903.2.2)
- Approved moisture barrier shall be provided covering all exposed exterior sheathing.
- Window flashing shall be provided to direct water away from the interior.
- Draft stopping required- horizontally and vertically at intervals not exceeding 10 feet, at concealed spaces, stair stringers top and bottom of run, chimney and fireplaces (to keep fire inside chimney chase and out of the attic) (IRC 2012: R302.12).
- The integrity of all fire blocks shall be maintained (IRC 2012: 302.11.2)
- Operable windows on second floors to be 24" off floor minimum, 44" off the floor maximum.

- Protect bottom edge of OSB
- Double studs under all beams
- 3 Blocks and nail all 3 blocks in T's & corners
- Collar ties required 1/3 down in attic
- 2x6 minimum purling (same nominal dimension as rafters used) every other rafter to be braced
- An Elevation Certificate will be required at this phase if you are located in a flood zone (surveyor)

Checklist for ELECTRICAL SERVICE

- Receptacles are all installed correctly and working properly inside and outside the house
- Lights / Fans are all installed correctly and working properly inside and outside the house. If lights are on order, cap off all wires to make safe.
- A/C disconnects, water heater disconnects, etc. are all installed correctly and complete.
- Are all wired with breakers installed and complete.
- Service conductors pulled into meter base and panel. Panel all made up and complete. Leave service trench open if LUS is the power company.

Checklist for FINAL INSPECTION

- Columns- anchored top and bottom substantially(IRC 2012:R407.3)
- Weep holes – every 33" on center and at lintels above opening not less the 3/16" in diameter, located immediately above flashing (IRC 2012:R703.7.6 & R903)
- Roof – drip edge, flashing, chimney cap to be provided (IRC 2012:R903.2)
- Nailing of shingles- 6 fasteners per shingle, roofing pitch
- Garage. Fire-rated attic access 20-min. Door into house solid wood, solid or honey comb steel door 1 3/8" minimum thickness or 20-min. rated fire door. No glass allowed at garage door. Sheet rock required separation at garage ½" min sheetrock 5/8" X type if room above.
- Hazardous locations, tempered glass required within 24" of door up to 60" in height, over 9 sq. ft. less than 18" off finished floor, in stairways within 60" horizontally less than 36" vertically(IRC 2009:R308.4)
- Required egress windows or door in sleeping rooms: 5.0 sq. ft. 1st floor, 5.7 sq. ft. 2nd floor (minimum opening req. 20" width and 24" height) (IRC 2012:R310.1)
- All egress doors shall be readily operable from the side from which egress is to be made without the use of a key or special knowledge or effort(IRC 2012:R310.1.4)
- Stairway compliance, a follow up to the open wall, includes handrails. (IRC 2012:R311.5)
- Smoke alarms to be located inside and outside of all sleeping rooms and every floor level (and split levels), smoke alarms shall be interconnected; if one is activated they all are activated. (IRC 2012:R314)
- Factory built fireplaces- in accordance with manufacturer. Check draftstop and flue clearances. (IRC 2012:R1004)
- Decorative shrouds shall not be installed at the termination of chimney for factory-built fireplaces except where the shrouds are listed and labeled for use with that fireplace. (IRC 2012:R1004.3)
- Hearth extension- installed in accordance with the listing of the fireplace. (IRC 2012:R1004.2)
- Masonry fireplace hearth extension dimensions: fireplace opening of less than 6' sq. ft. 16" front of opening, 8" on sides of opening. 6' sq. ft. or larger opening – 20" front of opening, 12" on sides opening. (IRC 2012:R1001.10)
- Smoke alarms need to be within 3' of top of vaulted ceiling, 3' away from tips of ceiling fan blades (NFPA 72)
- In a hall smoke detector to be on kitchen side of HVAC return (preferred)
- Required carbon monoxide detectors to be in place and have power

- Any jacuzzi tub shall have readily accessible electrical equipment, accessing this equipment for repairs should be possible without finishes or structure
- Make sure all GFI and AFCI outlets and breakers are working properly
- An Elevation Certificate will be required at this phase if you are located in a flood zone, along with pictures as provided by surveyor

Note: Additional Inspections can be provided for partial work as follows (may require additional fee):

- Footings only
- Stemwall Footings
- Stemwall Foundations with slab-on-grade
- Monolithic slab-on-grade (includes footings & slab)
- Sills, girders, beams, and floor joist before sub- flooring is applied
- Brick (siding or stucco) and windows only
- Exterior Inspection
- Eaves for rated over hangs (required on homes located on houses near lot lines)
- General

References & Helpful Websites

Lafayette Consolidated Government requires compliance with the following codes:

- 2012 International Mechanical Code
- 2012 International Fuel/Gas Code
- 2013 Louisiana State Plumbing Code with amendments
- 2011 National Electrical Code
- 2012 International Existing Building Code
- 2012 International Residential Code excluding chapters 25 through 42* (IRC2012)

*(a copy of the 2012 International Residential Code can be located in the reference section of the Lafayette Public Library, Johnston Street Branch)

The 2012 Edition of the International Residential Code, (Design Criteria, Section R301.2.1.1) for wind provisions will read like the 2003 Edition.

Loads:

- Wind 109 mph (three-second gusts)
- Snow Negligible
- Seismic Negligible

Contacts:

Please call the respective person with any questions or concerns, we are here to help. If you are not sure who to call, the Plans Reviewer will be happy to direct you.

Permit Supervisor-	John Broyles (337) 291-8491
Chief Building Inspector-	Bruce Williams (337) 291-8050
Chief Mechanical Inspector-	Todd Hebert (337) 291-8460
Chief Plumbing Inspector-	David Cloteaux (337) 291-8469
Chief Electrical Inspector-	Greg Wiltz (337) 291-8480
Plans Reviewer-	Lee Degeyter (337) 291-8472
Development-	Leticia Leblanc (337) 291-8000
Floodplain Administrator-	Kerwin Woodard (337) 291-8462
Zoning-	Sabrina Davis (337-291-8445)

Websites which provide addition Information:

www.lafayettega.gov/pzc/dpt942.asp - plan review and permit info to be added
www.iccsafe.org - enter ICC-600 into the search box to locate the free copy
www.energycodes.gov/rescheck/ - to access the free program and tutorials
www.apawood.org - for free Wood Frame Construction Manual Workbook and other tutorial info
www.southernpine.com - for span charts
www.ibhs.org - for Hurricane construction ideas and info
www.strongtie.com - for connector info and reference data
www.LMA.org/boal - Building Officials Association of Louisiana
WWW.stairways.org - Stairway details
WWW.lafayettegov.org/PZD/Codes/SiteAssets/files/Plumbing-Code.pdf - for Plumbing Code

Frequently Asked Questions

When can I occupy my new house?

R-110.1---No building or structure shall be occupied until the building official has issued a certificate of occupancy.

How close can I build to the property line on a lot without having to fire rate any part of my house?

R-302.1--- No part of the house within 5 feet from the property line.

What is the minimum allowed footing for a single story house without brick?

R-403.1 and 403.1.1--- 12 inches wide and 12 inches into undisturbed ground.

Where do I need tempered glass? (including but not limited to the following)

R-308.4--- Within 24 inches of a door, over tub, glass over 9 sq. ft. less than 18 inches from finish floor. Stairways.

What is the separation requirement for a house with an attached garage?

R-302.5.1--- ½ inch Gypsum board applied to garage side of living area, also if habitable rooms above 5/8 X fire rock on ceiling and ½ inch on all walls. Any pull down stairs located in this area to be fire rated.

How large are my bedroom windows suppose to be?

R-310.1.1, R-310.1.2, R-310.1.3---Down stairs 5 sq. ft., Up stairs 5.7 sq. ft., minimum clear width 20 inches and minimum clear height 24 inches. (24" min off floor on second floor 44" max)

What is the highest stair riser allowed by code?

R-311.7.5.1--- 7 ¾ inches.

What is the minimum stair tread?

R-311.7.5.2--- 10 inches with a ¾" to 1 ¼ " nosing, or 11 inches without a nosing.

What is the minimum stair tread width at a winder allowed by code?

R-311.7.5.2--- 6 inches at any point and 10 inches at a point 12 inches from the side of the narrowest part of the tread.

Are spiral stairs allowed?

R-311.7.10.1--- Yes.

When is a handrail required?

R-311.7.8 & 311.8.3--- At least one side of a continuous run of four or more risers is required to have a graspable handrail, be sure to return to wall.

When is a guardrail required?

R-312--- Any porch, balcony, ramp or raised floor 30 inches above grade, 36" min.

Where are smoke detectors required?

R-314--- Each sleeping room, outside each sleeping room and each additional habitable story, including basement.

Are carbon monoxide detectors required?

R-315.2---Yes, where fuel fired appliances exist and/or at house with attached garages. Note; when a permit is required for an existing house, carbon monoxide detector installation will be required.

How much can I drill or notch into a bearing wall stud? Non-bearing wall stud?

R-602.6--- Bearing---Drilled 40% of stud depth, notched 25% of stud width and 5/8 inch from stud edge. Non-bearing---Drill 60% of stud depth notched, 40% of stud width and 5/8 from stud edge.

For ceiling joist, if #2 pine 2X6s, 16" on center, spanning 13'6", would I be required to install a beam?

R-802.4--- "NO" Table 802.4.2

Can I use plastic pipe as a clothes dryer duct?

M-1502.4--- "NO" must be smooth metal, no flexible dryer duct concealed in construction

What is the maximum length of a clothes dryer duct?

M-1502.4.4.1--- 35 feet if not bent. (2012 IMC)

What is the Energy Code?

N-1101.2---of the IRC 2012 codebook required us to enforce the International Energy Conservation Code. Go to WWW.energycodes.gov/rescheck/ to access the free program and tutorial info.

CHAPTER 4 RESIDENTIAL ENERGY EFFICIENCY

SECTION 401 GENERAL

401.1 Scope. This chapter applies to residential buildings.

401.2 Compliance. Projects shall comply with Sections 401.402.4, 402.5, and 403.1, 403.2.2, 403.2.3, and 403.3 through 403.9 (referred to as the mandatory provisions) and either:

1. Sections 402.1 through 402.3, 403.2.1 and 404.1 (prescriptive); or
2. Section 405 (performance).

401.3 Certificate. A permanent certificate shall be posted on or in the electrical distribution panel. The certificate shall not cover or obstruct the visibility of the circuit directory label, service disconnect label or other required labels. The certificate shall be completed by the builder or registered design professional. The certificate shall list the predominant R-values of insulation installed in or on ceiling/roof, walls, foundation (slab, basement wall, crawlspace wall and/or floor) and ducts outside conditioned spaces; U-factors for fenestration and the solar heat gain coefficient (SHGC) of fenestration. Where there is more than one value for each component, the certificate shall list the value covering the largest area. The certificate shall list the types and efficiencies of heating, cooling and service water heating equipment.

Where a gas-fired unvented room heater, electric furnace, or baseboard electric heater is installed in the residence, the certificate shall list "gas-fired unvented room heater," "electric furnace" or "baseboard electric heater," as appropriate. An efficiency shall not be listed for gas-fired unvented room heaters, electric furnaces or electric baseboard heaters.

SECTION 402 BUILDING THERMAL ENVELOPE

402.1 General (Prescriptive).

402.1.1 Insulation and fenestration criteria. The building thermal envelope shall meet the requirements of Table 402.1.1 based on the climate zone specified in Chapter 3.

402.1.2 R-value computation. Insulation material used in layers, such as framing cavity insulation and insulating sheathing, shall be summed to compute the component R-value. The manufacturer's settled R-value shall be used for blown insulation. Computed R-values shall not include an R-value for other building materials or air films.

**TABLE 402.1.1
INSULATION AND FENESTRATION REQUIREMENTS BY COMPONENT***

CLIMATE ZONE	FENESTRATION U-FACTOR ^b	SKYLIGHT ^c U-FACTOR	GLAZED FENESTRATION SHGC ^{d, e}	CEILING R-VALUE	WOOD FRAME WALL R-VALUE	MASS WALL R-VALUE ^f	FLOOR R-VALUE	BASEMENT ^g WALL R-VALUE	SLAB ^h R-VALUE & DEPTH	CRAWL SPACE ⁱ WALL R-VALUE
1	1.2	0.75	0.30	30	13	3/4	13	0	0	0
2	0.65 ^j	0.75	0.30	30	13	4/6	13	0	0	0
3	0.50 ^k	0.65	0.30	30	13	5/8	19	5/13 ^l	0	5/13
4 except Marine	0.35	0.60	NR	38	13	5/10	19	10/13	10, 2 ft	10/13
5 and Marine 4	0.35	0.60	NR	38	20 or 13+5 ^m	13/17	30 ⁿ	10/13	10, 2 ft	10/13
6	0.35	0.60	NR	49	20 or 13+5 ^m	15/19	30 ⁿ	15/19	10, 4 ft	10/13
7 and 8	0.25	0.60	NR	49	21	19/21	38 ⁿ	15/19	10, 4 ft	10/13

For SI: 1 foot = 304.8 mm.

- a. R-values are minimums. U-factors and SHGC are maximums. R-19 batts compressed into a nominal 2 x 6 framing cavity such that the R-value is reduced by R-1 or more shall be marked with the compressed batt R-value in addition to the full thickness R-value.
- b. The fenestration U-factor column excludes skylights. The SHGC column applies to all glazed fenestration.
- c. "15/19" means R-15 continuous insulated sheathing on the interior or exterior of the home or R-19 cavity insulation at the interior of the basement wall. "15/19" shall be permitted to be met with R-13 cavity insulation on the interior of the basement wall plus R-5 continuous insulated sheathing on the interior or exterior of the home. "10/13" means R-10 continuous insulated sheathing on the interior or exterior of the home or R-13 cavity insulation at the interior of the basement wall.
- d. R-5 shall be added to the required slab edge R-values for heated slabs. Insulation depth shall be the depth of the footing or 2 feet, whichever is less in Zones 1 through 3 for heated slabs.
- e. There are no SHGC requirements in the Marine Zone.
- f. Basement wall insulation is not required in warm-humid locations as defined by Figure 301.1 and Table 301.1.
- g. Or insulation sufficient to fill the framing cavity, R-19 minimum.
- h. "13+5" means R-13 cavity insulation plus R-5 insulated sheathing. If structural sheathing covers 25 percent or less of the exterior, insulating sheathing is not required where structural sheathing is used. If structural sheathing covers more than 25 percent of exterior, structural sheathing shall be supplemented with insulated sheathing of at least R-2.
- i. The second R-value applies when more than half the insulation is on the interior of the mass wall.
- j. For impact rated fenestration complying with Section R301.2.1.2 of the International Residential Code or Section 1601.1.2 of the International Building Code, the maximum U-factor shall be 0.75 in Zone 2 and 0.55 in Zone 3.

Grounding

National Electric Code, 2005 Edition
Article 250.52 (3)

4 AWG or larger bare copper
conductor or steel rebar not
less than 1/2" diameter at least
20 ft. Long

Grounding electrode
conductor

The sleeve and wire may be located within the wall

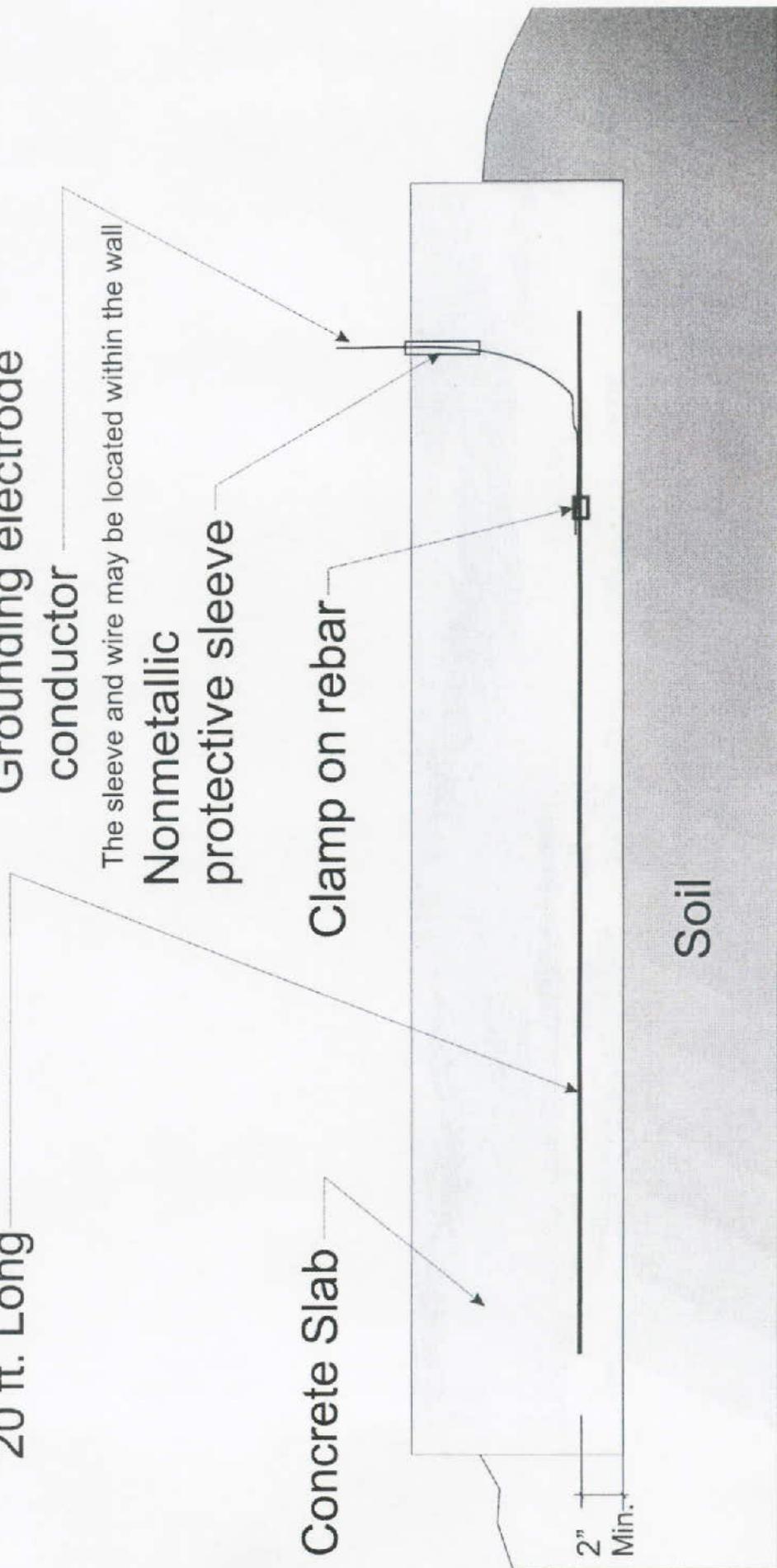
Nonmetallic
protective sleeve

Concrete Slab

Clamp on rebar

Soil

2"
Min.



**LAFAYETTE CONSOLIDATED GOVERNMENT
PLANNING, ZONING & DEVELOPMENT DEPARTMENT
CODES DIVISION**

PLAN REVIEW FOR SELF CONTRACTORS

Application Date: _____

Address For Review: _____

1. Owner agrees to hire licensed plumber, electricians, and mechanical contractors.
2. Inspections shall be called for in a timely manner.
3. Discuss exemptions from licensure.
4. The permit will expire after 180 days.
5. _____
6. _____
7. _____

Signed,

Bruce Williams,
Chief Building Inspector

I, (print) _____, acknowledge a copy of the Self-Contractor Packet has been given to me.

Signed: _____
Permit Purchaser

AFFIDAVIT CLAIMING EXEMPTION FROM LICENSURE

The undersigned does hereby attest and certify that the following information is true and correct:
He/she is applying for a building permit from the Parish/City/Town of _____, for proposed construction activities to be performed at that certain parcel of immovable property bearing the municipal address of _____.

He/she understands that Louisiana law under R.S. 37:2150-2192 requires that for this proposed construction activity, that the work must be performed by a person possessing a contractor's license issued by the State Contractors Licensing Board; however, he/she is claiming to be exempted from the requirement of having this work performed by a licensed contractor based on the following exemption (place an X next to the exemption that you claim to be applicable):

_____ He/she will serve as the builder/contractor will maintain the house as their personal residence, and he/she has not built another house within the past year.

_____ He/she will serve as the builder/contractor will maintain the house as their personal residence, has built another house within the past year, but has had a legal change in his/her marital status within the same year.

_____ He/she will serve as the builder/contractor will maintain the house as their personal residence, has built another house with the past year, but has had a change in employment, such that the distance between their former house and the place of employment is at least fifty (50) miles.

_____ He/she understands that if a Home Improvement Contractor is hired when the contract value exceeds \$1,500, the contractor must have complied with the Home Improvement Registration Act.

He/she further understands that the intentional act of submitting false information to a public agency may constitute a violation of applicable provisions in the Louisiana Criminal Code. He/she further understands that if provisions of the State Contractors Licensing Law require that a state licensed builder construct the residence that is the subject of the permit application, failure to use such a licensed builder may impose civil monetary penalties upon them and/or cause the issuance of a stop work order.

Sworn to and subscribed on this date _____

Signature

Print Name

Signature of Notary Public

Date