Residential Plan Review Comment Form

2015 INTERNATIONAL BUILDING CODE (Ord. No. 2015-25)

2015 INTERNATIONAL EXISTING BUILDING CODE (Ord. No. 2015-25)

2015 INTERNATIONAL PLUMBING CODE (Ord. NO. 2015-25)

2015 INTERNATIONAL MECHANICAL CODE (Ord. No. 2015-25)

2015 INTERNATIONAL FUEL GAS CODE (Ord. No. 2015-25)

2015 INTERNATIONAL FIRE CODE (Ord. No. 2015-25)

2014 NATIONAL ELECTRICAL CODE (Ord. No. 2015-25)

2014 NATIONAL ELECTRICAL SAFETY CODE (Ord. No. 2015-25)

2015 INTERNATIONAL RESIDENTIAL CODE (Ord. No.2017-01)

2015 INTERNATIONAL PROPERTY MAINTENANCE CODE (Ord. No.2016-10)

ALL REFERENCED CODES ABOVE AMENDMENTS BY THE OKLAHOMA UNIFORM BUILDING CODE COMMISION TO THE CODE ARE INCORPORATED BY REFERENCE AS HEREIN SET OUT.

Address:	PLANS EXAMINER:		PLANS EXAMINER:		PHONE NUMBER:
DATE:	REGISTRANT:		CONTACT:		
BUILDER/CONTRACTOR:		PLAN NUMBER:			
GARAGE SQUARE FOOTAGE TOTAL:		LIVABLE SQUARE FOOTAGE TOTAL:			

GROUND	WIND	SEISMIC	S	SUBJECT TO DAI	MAGE FROM		WINTER	FLOOD	AIR	MEAN
SNOW LOAD	Speed (mph)	DESIGN CATEGORY	Weathering	Frost line depth	Termite	Decay	DESIGN TEMP	HAZARDS	FREEZING INDEX	ANNUAL TEMP
10 lb. Minimum	115	В	Moderate	18"	Moderate To Heavy	Slight To Moderate	13° F	Firm 4001344 -0001 C	500	60

Plan review for code compliance for the above referenced project has been completed. The following comments are standard items required by codes adopted by the City of Perry and must be resolved before a building permit can be issued to commence construction. The items listed shall not be construed as being all-inclusive. Please contact the Building Official if you have any questions regarding the following comments or need clarification on the plan submittal process. In order to expedite your plan approval, please submit the following after all comments have been addressed:

- Two (2) new sets of corrected plans, applicable calculations if applicable and the previously reviewed plans. The owner or the builder will be notified by the City of Perry Building Department upon approval of the resubmitted plans.
- Provide either a detailed separate narrative response to the plan reviewer's comments or indicate the corrected sheet number in the area provided at the end of every plan review comment.

GENERAL

[] Sheet #	Provide complete plans a minimum plan size of 11" x 27" and a maximum plan size. No loose sheets shall be attached but structural calculations and manufacturer's cut sheets may accompany plans. The plans should be drawn to a preferred scale of 1/4" = 1'0" however an alternate scale may be accepted. Indicate the drawing scale.	IRC Section: R106	Corrected Sheet #
[] Sheet #	Provide a square footage summary for each of the following: livable, garage, covered patios and porches, accessory buildings, decks, bay windows etc. All options must be clearly identified.	IRC Section: R108.3	Corrected Sheet #
[] Sheet #	Location of structure as noted on site plan shall determine exterior wall requirements. See Table R302.1 (1) below.	IRC Section R302.1	Corrected Sheet #

EXTERIOR	R WALL ELEMENT	MINIMUM FIRE-RESISTANCE RATING	MINIMUM FIRE SEPARATION DISTANCE
Walls	(Fire-resistance rated)	1 hour- tested in accordance with ASTM E 119 or UL 263 with exposure from both sides	< 3 feet
	(Not fire-resistance rated)	0 hours	<u>></u> 5 feet
Projections	(Fire-resistance rated)	1 hour on the underside	> 3 feet
	(Not fire-resistance rated)	0 Hours	<u>></u> 3 feet
Openings	Not allowed	N/A	< 3 feet
	25% Maximum of Wall Area	0 hours	3 feet
	Unlimited	0 hours	5 feet
Penetrations	All	Comply with Section R302.4	< 3 feet
		None Required	3 feet



CONVENTIONAL FOUNDATION

[] Sheet #	Footing details (interior and exterior) shall be located on the foundation sheet, the	IRC Section:	Corrected Sheet
[] ••	detail sheet and shall be cross-referenced to the foundation plans. Specify depth and size of all footings and pads. Specify reinforcement size and spacing. Note on	R403.1	#
	plans, foundation and reinforcement to codes is NOT acceptable.		
[] Sheet #	Protection from decay shall be provided in the following locations: 1) Wood joist or the bottom of a wood structural floor when closer than 18 inches or wood girders when closer than 12 inches to the exposed ground in crawl spaces or unexcavated area located within the periphery of the building foundation. 2) All wood framing members that rest on concrete or masonry exterior foundation walls and are less than 8 inches from the exposed ground. 3) Sills and sleepers on a concrete or masonry slab that is in direct contact with the ground unless separated from such slab by an impervious moisture barrier. 4) The ends of wood girders entering exterior masonry or concrete walls having clearances of less than ½ inch on tops, sides, and ends. 5) Wood siding, sheathing and wall framing on the exterior of a building having a clearance of less than 6 inches from the ground. 6) Wood furring strips or other wood framing members attached directly to the interior of exterior masonry or concrete walls below grade except where an approved vapor retarder is applied between the wall and the furring strips or framing members.	IRC Section: R317.1	Corrected Sheet #
[] Sheet #	Wood columns shall be approved wood of natural decay resistance or approved pressure- preservative treated wood. Exceptions: 1) Columns exposed to weather or in basements when supported by concrete piers or metal pedestals projecting 1 inch above concrete floor or 6" above exposed earth that is covered by an approved impervious moisture barrier. 2) Columns in enclosed crawl spaces or unexcavated areas located within the periphery of the building when supported by a concrete pier or metal pedestal at a height more than 8 inches from exposed earth and the earth is covered by an impervious barrier.	IRC Section: R317.1.4	Corrected Sheet #
[] Sheet #	Foundation anchorage bolts shall be a minimum ½ "with 7" minimum embedment and spaced a maximum 6' on center. Required hold downs, as specified on lateral design or as required for all alternate braced wall panels, shall be shown on the foundation plan and shown on the shear wall plan.	IRC Sections: R403.1.6 R403.1.6.1	Corrected Sheet #
[] Sheet #	Provide note or detail to address alternatives approved for field use when hold downs shown on plans are missed or not placed in the required locations.	IRC Section: R301.1.3	Corrected Sheet
[] Sheet #	Concrete and Masonry foundation and retaining walls shall be constructed as required per section R404	IRC Section: R404	
[] Sheet #	There shall be a floor or landing on each side of each exterior door. The width of the landing shall not be less than the door served with a minimum dimension of 36" measured in the direction of travel. Exterior landings are permitted to have a slope not to exceed 1/4" per foot (2 percent).	IRC Section: R311.3	Corrected Sheet #
[] Sheet #	Garage floor surface used for parking of automobiles or other vehicles shall be sloped to facilitate the movement of liquids to a drain or toward the main vehicle entry doorway.	IRC Section: R309.1	Corrected Sheet #



FLOOR PLAN

[] Sheet #	Label and dimension all rooms and spaces. Reference ceiling height of all rooms and areas.	IRC Sections: R304 R305	Corrected Sheet #
[] Sheet #	The minimum width of a hallway shall not be less than 3 feet	IRC Section: R311.6	Corrected Sheet #
[] Sheet #	An attic access opening shall be provided to attic areas that exceed 30 square feet and have a vertical height of 30" or greater. The rough-framed opening shall not be less than 22" by 30" and shall be located in a hallway or other readily accessible location. A 30" minimum unobstructed headroom in the attic space shall be provided at some point above the access opening.	IRC Section: R807.1	Corrected Sheet #
[] Sheet #	Openings between the garage and residence shall be equipped with solid wood doors not less than 1 3/8" thick, solid or honey-comb-core steel doors not less than 1 3/8" thick, or shall be 20-minute fire-rated doors. Doors shall be equipped with a self-closing device.	IRC Section R 302.5.1	Corrected Sheet #
[] Sheet #	The garage shall be separated from the residence and its attic area by not less than 1/2-inch gypsum board applied to the garage side. Garage beneath habitable rooms shall be separated from all habitable rooms above by not less than 5/8-inch Type X gypsum board or equivalent. Where the separation is a floor-ceiling assembly, the structure supporting the separation shall also be protected by not less than 1/2-inch gypsum board or equivalent.	IRC Section R 302.6	Corrected Sheet #
[] Sheet #	Ceiling gypsum board application: When applying a water-based texture material, the minimum gypsum board thickness shall be increased from 3/8 inch to ½ inch for 16-inch on center framing, and from ½ inch to 5/8 inch for 24-inch on center framing or ½-inch sag resistant gypsum ceiling board shall be used.	IRC Table R702.3.5	Corrected Sheet #
[] Sheet #	Cement, fiber-cement and glass mat gypsum backers shall be used as backers for wall tile in tub and shower areas and wall panels in shower areas.	IRC Table R702.4.2	Corrected Sheet #
[] Sheet #	Every sleeping room, basements and attic with habitable space shall have a least one window [min. net clear opening 5.7 sq. ft. (min. 5 sq. ft. net clear opening at grade floor), min. opening width of 20", min. opening height of 24" and the finished clear opening height shall not be more than 44" above the floor; or provide exterior door for emergency egress.	IRC Section: R310.2.1, R310.2.2	Corrected Sheet #
[] Sheet #	Minimum horizontal area of a window well shall be 9 sq. ft. with a minimum horizontal projection and width of 36". Provide details and dimensions to verify compliance.	IRC Section: R310.2.3	Corrected Sheet #
[] Sheet #	There shall be a floor or landing at the top and bottom of each stairway. The width of each landing shall not be less than the stairway served. Every landing shall have a minimum dimension of 36 inches measured in the direction of travel.	IRC Section: R311.7.6	Corrected Sheet #
[] Sheet #	The maximum riser height shall be 7 3/4 inches and minimum tread depth shall be 10 inches.	IRC Sections: R311.7.5.1 R311.7.5.2	Corrected Sheet #
[] Sheet #	The minimum headroom in all parts of the stairway shall be not be less than 6 feet 8 inches measured vertically from the slope plane adjoining the tread nosing or from the floor surface of the landing or platform.	IRC Section: R311.7.2	Corrected Sheet #
[] Sheet #	Four or more stair risers shall have at least one handrail. Handrails shall be provided on at least one side of the stairs, be continuous the full length of the stairs, and have minimum and maximum heights of 34 inches and 38 inches, respectively, measured vertically from the nosing of the treads. The handgrip portion of handrails shall have a circular cross section of 1-1/4 inches minimum to 2-3/4 inches maximum; edges shall have a minimum radius of 1/8 inch.	IRC Sections: R311.7.8 R311.7.8.3	Corrected Sheet #
[] Sheet #	Handrails shall be continuous for the full length of the flight and shall be returned or terminate in newel posts or safety terminals	IRC Section: R311.7.8.2	Corrected Sheet #



[] Sheet #	The minimum height of required guards shall be not less than 36 inches. Openings in guards shall have intermediate rails or ornamental closures that do	IRC Sections: R312.1	Corrected Sheet
	not allow passage of a sphere 4 inches in diameter	R312.1.3	#
[] Sheet #	Smoke Alarms shall meet the requirements of section R314 to include location, power source and interconnection.	IRC Section: R314	Corrected Sheet #
[] Sheet #	Carbon Monoxide alarms shall meet the requirements of section R315	IRC Section: R315	Corrected Sheet #
[] Sheet #	Glazing in hazardous locations shall comply with IRC R308. Identify areas as needed.	IRC Section: R308	Corrected Sheet #
[] Sheet #	Membrane penetrations by outlet boxes in the garage wall separating the garage from the house shall be listed and follow all requirements.	IRC Section: R302.4.2	Corrected Sheet #
[] Sheet #	Fire protection of floor assemblies shall be provided with 1/2" gypsum, 5/8" wood structural panel or equivalent on the underside of the framing member.	IRC Section: R302.13.1	Corrected Sheet #

ELEVATIONS/CROSS-SECTIONS

[] Sheet #	Provide height dimensions for roofline, headers, top plate and finished floor. Provide North, South, East and West drawings.	IRC Section: R106	Corrected Sheet #
[] Sheet #	Provide attic ventilation calculations for all concealed attic spaces; include required and provided net free ventilation area. Also, indicate the type and location of attic ventilation. Provide the following note, if applicable: "where eave or cornice vents are installed insulation shall not block the free flow of air. A minimum of 1-inch space shall be provided between the insulation and roof sheathing at the location of the vent.	IRC Section: R806	Corrected Sheet #

STRUCTURAL

[] Sheet #	Specify type of design and construction of all walls and partitions. Wood stud walls shall comply with prescriptive requirements of IRC Section R602. Masonry and concrete basement walls shall comply with prescriptive requirements of IRC Section R404.	IRC Section: R404 R601 R602	Corrected Sheet #
[] Sheet #	Indicate all braced wall panel locations, exterior and interior. Specify the method of bracing to be used.	IRC Section: R602.10	Corrected Sheet #
[] Sheet #	Application: Buildings and structures, and parts thereof, shall be constructed to safely support all loads, including dead loads, live loads, roof loads, flood loads, snow loads, wind loads and seismic loads as prescribed by this code. The construction of buildings and structures in accordance with the provisions of this code shall result in a system that provides a complete load path that meets the requirements for the transfer of all loads from their point of origin through the load-resisting elements to the foundation. Buildings and structures constructed as prescribed by this code are deemed to comply with the requirements of this section.	IRC Section: R301.1	Corrected Sheet #
[] Sheet #	A load path shall be provided between floor framing and braced wall panels located above or below as specified in Section R602.10.8. Provide details for this attachment.	IRC Section: R502.2.1, R602.10.8	Corrected Sheet #
[] Sheet #	Specify lumber grade, species, and size of members.	IRC Section: R602	Corrected Sheet #
[] Sheet #	Specify design criteria: floor and roof live and dead loads.	IRC Section: R301	Corrected Sheet #
[] Sheet #	Live loads increased to 20 pounds per square foot for attics with limited storage.	IRC Section: Table R301.5	Corrected Sheet #

Phone: 580-336-3416

Fax: 580-336-4065



[] Sheet #	Provide complete floor (if applicable) and roof framing plans. Specify size and spacing	IRC Section:	Corrected
	of all framing members. Indicate all post sizes and locations.	R106.1	Sheet #
[] Sheet #	Spans for rafters shall be in accordance with tables R 802.5.1 (1) through R 802.5.1 (8).	IRC Section: R802.5	Corrected Sheet #
[] Sheet #	Specify all hangers used to hang trusses from girder trusses, walls, or other locations.	IRC Section: R802.10.1	Corrected Sheet #
[] Sheet #	Indicate the size and span of headers and lintels in all bearing and non-bearing walls. Provide manufacturer's span charts for pre-manufactured steel lintels.	IRC Sections: R602.7 R606. <i>9.1</i>	Corrected Sheet #

ELECTRICAL

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[] Sheet #	Ground-Fault protection of all 125-volt single-phase 15- and 20-amp receptacles in the following locations shall be provided. Bathrooms, Garages, Outdoors, Crawl Spaces, Unfinished Basements, Kitchen Counters, Sinks, Bathrooms, Laundry rooms.	Article 210.8(A) 1-10 E3902	Corrected Sheet #
[] Sheet #	Arc-Fault protection shall be provided for all 15- and 20-amp branch circuits at required locations: Kitchens, Dining Rooms, Family Rooms, Bedrooms, Hallways and similar rooms.	Article 210.12(A) E3902.16	Corrected Sheet #
[] Sheet #	Receptacles shall be spaced so no point along the floor line of any wall is more than 6 ft. from a receptacle outlet.	Article 210.52(A)(2) E3901.2.2	Corrected Sheet #
[] Sheet #	Minimum two 20-amp branch circuits shall be provided for the kitchen.	Article 210.52(B)(1) E3901.3	Corrected Sheet #
[] Sheet #	A receptacle shall be installed at all wall countertop spaces 12 in. or wider and spaced so that no point along the wall is more than 24 in. from a receptacle.	Article 210.52(C)(1) E3901.4.1	Corrected Sheet #
[] Sheet #	Minimum one receptacle shall be placed at each island countertop space that has a long dimension of 24 in. and a short dimension of 12 in.	Article 210.52(C)(2) E3901.4.3	Corrected Sheet #
[] Sheet #	Minimum one receptacle shall be placed at each peninsular countertop space that has a long dimension of 24 in. and a short dimension of 12 in.	Article 210.52(C)(3) E3901.4.3	Corrected Sheet #
[] Sheet #	Minimum one receptacle shall be placed within 3 ft. of the outside edge of each sink in a bathroom.	Article 210.52(D) E3901.6	Corrected Sheet #
[] Sheet #	Minimum of one receptacle placed not more than 6 ft. above grade level shall be provided at the front and rear of the house.	Article 210.52(E) E3901.7	Corrected Sheet #
[] Sheet #	A minimum of one receptacle shall be provided for balconies, decks and porches. The receptacle shall be placed no more than 6.5 ft. above the walking surface.	Article 210.52(E) E3901.7	Corrected Sheet #
[] Sheet #	Minimum of one receptacle shall be provided in garages. At least one receptacle shall be provided for each car space. Branch circuit supplying the garage receptacle shall not supply outlets outside of the garage	Article 210.52(G)(1),(2),(3) E3901.9	Corrected Sheet #
[] Sheet #	Minimum one receptacle shall be provided in each separate unfinished portion of a basement.	Article 210.52(G)(1),(2),(3) E3901.9	Corrected Sheet #
[] Sheet #	Hallways 10 ft. or more in length shall have a minimum one receptacle.	Article 210.52(H) E3901.10	Corrected Sheet #

Phone: 580-336-3416

Fax: 580-336-4065



[] Sheet #	Foyers greater than 60 sq. ft. shall have a receptacle in each wall space 3 ft. or greater.	Article 210.52(I) E3901.11	Corrected Sheet #
[] Sheet #	A 15- or 20-amp receptacle shall be installed for servicing heating and air-conditioning equipment, the receptacle shall be within 25 ft.	Article 210.63 E3901.12	Corrected Sheet #
[] Sheet #	Provide lighting outlets as required for all habitable rooms, stairways, garages, attics, utility rooms, underfloor space and basements. See all requirements and follow as needed.	Article 210.70(A)(1) 210.70(A)(2) 210.70(A)(3) E3903.1	Corrected Sheet #

MECHANICAL & ENERGY

[] Sheet #	Access door shall be a minimum of 18 x 24.	Section: RE408.4	Corrected Sheet #
[] Sheet #	Identify crawl space insulated or non-insulated and provide ventilation. Provide information as to which method will be used.	Sections: R408.1- R408.3	Corrected Sheet #
[] Sheet #	A programmable thermostat shall be provided for each separate heating and cooling system.	Sections: R403.1	Corrected Sheet #
[] Sheet #	Supply ducts in attics shall be insulated to a minimum R-8. All other ducts shall be minimum R-6. See exception.	Section: R403.2.1	Corrected Sheet #
[] Sheet #	Mechanical system piping capable of carrying fluids above 105 degrees or below 55 degrees shall be insulated to a minimum R-3. (Boilers or AC systems)	Section: R403.4	Corrected Sheet #
[] Sheet #	Mechanical whole-house ventilation shall be provided and meet the requirements of Table M1507.3.3(1)	Sections: M1507.3.3	Corrected Sheet #
[] Sheet #	Intermittent whole-house ventilation may be provided instead of a continuous system. Rate factors shall be as required per table M1507.3.3(2)	Section: Table M1507.3.3.(2)	Corrected sheet #
[] Sheet #	Heating and cooling systems shall be sized as required per ACCA manual S based on the loads calculated in accordance with manual J. Provide documents.	Section: RE403.7	Corrected Sheet #

PLUMBING AND FUEL GAS

[] Sheet #	Gas fired equipment or equipment that generates a glow, spark, or flame in a garage or room that opens to the garage and are not part of the living space shall be installed with burners, ignition devices, or heating elements a minimum 18" above the floor unless listed as flammable vapor ignition resistant.	Section: P 2801.7	Corrected Sheet #
[] Sheet #	Water supply and DWV systems shall be tested by air or water as required.	Sections: P 2503.5.1 & 2	Corrected Sheet #
[] Sheet #	Each horizontal drainage pipe shall have a cleanout at its upper terminal and at 50' intervals or fraction thereof.	Section: P 3005.2.4	Corrected Sheet #
[] Sheet #	Fuel fired appliances shall not be located in bedrooms, bathrooms, storage closets, or in a space that opens only into such rooms. See exceptions and provide details.	Section: 303.3 IFGC	Corrected Sheet #
[] Sheet #	Appliances shall not be installed in an area subject to impact from a vehicle unless protected by an approved method.	Section: 303.4 IFGC	Corrected Sheet #
[] Sheet #	Provide a gas schematic with total length of system, length of each branch, CFH demand of each appliance and total CFH demand on system. Provide type of piping.	Section: 402.1 & 402.2 IFGC	Corrected Sheet #
[] Sheet #	Equipment and appliances shall be installed as required by the terms of their approval, in accordance with the conditions of listing, the manufacturer's instructions and this code. Manufacturer's installation instructions shall be available on the job site at the time of inspection. Where a code provision is less restrictive than the conditions of the listing of the equipment or appliance or the manufacturer's installation instructions, the conditions of the listing and the manufacturer's installation instructions shall apply.	Section: G 2408.1, 305.1	Corrected Sheet #

MISCELLANEOUS COMMENTS

[] Sheet #	
[] Sheet #	



RESPONSE TO ABOVE COMMENTS

Fax: 580-336-4065

(May attach additional comment sheets)

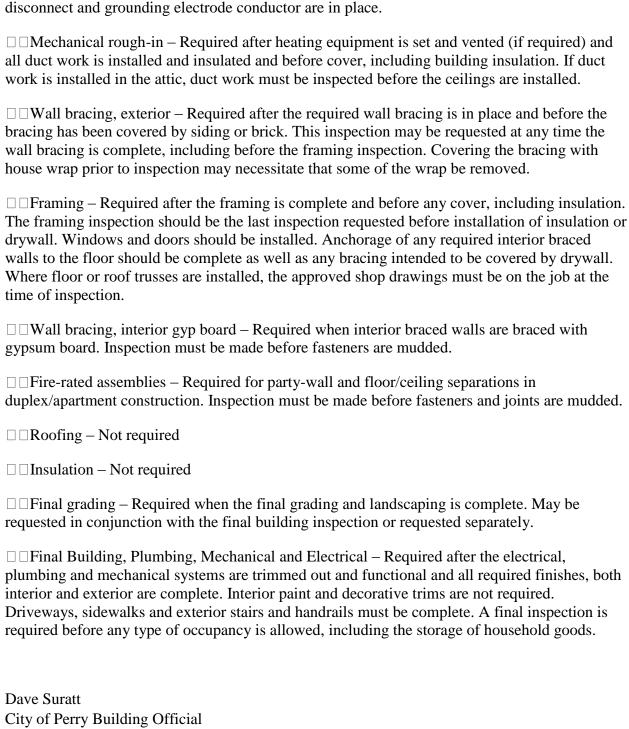
Phone: 580-336-3416

The following inspections are required by the City of Perry for one-and-two family dwellings and their accessory structures.

□ □ Temporary electric – Required when temporary electrical meter set-up is complete.
□ □ Footing/foundation − Required after all reinforcement is installed and before concrete is placed. If spread footings with stem walls are used, both the footing and the stem walls are required to be inspected. Reinforcement for slab tie-downs to foundation walls or footings can be wet-set. Property lines must be identified at the time of inspection to verify setbacks. Approved foundation plans must be available at the time of inspection.
\square Concrete-encased grounding electrode – Must be installed at the footing inspection.
□ □ Piers − Piers and/or post holes for deck posts, porch cover or patio cover posts and pole-frame construction structures are required to be inspected before placement of concrete or dirt backfill and after any required reinforcement is in place.
\Box Plumbing rough-in – Required after all under-slab water and waste-water piping is installed and under test and before covering with sand or concrete.
\Box Electric ground run – Required for under floor raceways after raceways and floor boxes are installed and before covering with sand or concrete.
\Box In-floor storm shelter – After the shelter has been set in place and before the concrete is poured around it. This inspection can be done at the same time as the slab inspection if the shelter will be poured monolithically with the floor slab.
\square Slab – Required after all required reinforcement, including post-tension cables, is installed and before covering with concrete.
\square Building sewer – Required after the sewer pipe is properly bedded and connected to the public sewer and before the sewer pipe is covered.
\square Water service - Required after the service line is installed and under test and before it is covered.
\square Plumbing top-out – Required after all water, waste-water and gas piping are installed and under test and before cover, including insulation.
□ □ Electric rough-in − Required after all wiring and boxes are installed and before cover, including insulation. All connections must be made up in the boxes but the devices should not be installed.
□□Electric service – Required when the permanent meter enclosure, service conductors, main



622 Cedar Phone: 580-336-3416 Perry, OK 73077 Fax: 580-336-4065



Dave Suratt
City of Perry Building Official
580-336-3416
cityofperryok.com