

City of Monett Definitions and Clearances

Inspection Authority: A person authorized by a governmental body to inspect and approve electrical installations.

Point of attachment: The point as designated by the City at which the City's service drop is attached to the Customer's facility. Can be attached to the structure or rigid steel conduit. It must be able to withstand a 250 pound continuous pull in the direction of the service drop and be electrically insulated from the structure.

Readily Accessible: Capable of being reached quickly, for operation, renewal, or inspections without requiring those to whom ready access is a requisite to climb over or remove obstacles or to use ladders, etc.

Line of Sight: Is a line from City's designated service source to service pole, Transformer Pole, Pad mount transformer, etc. to the Customer delivery point.

Meter Loop: Customer provided wire and enclosure connecting the Customer's service equipment to the City's power source. Consists of the following: Point of attachment, wires, weather head, conduit, conduit straps, combination meter main or meter socket and disconnect in combination, ground rod and wire attachment.

Interconnection Co-generation and small power producers: An electric service where Co-generators and small power producers operate in parallel with the City's electric system Shall have a Switchgear installed to separate generation from City's power source.

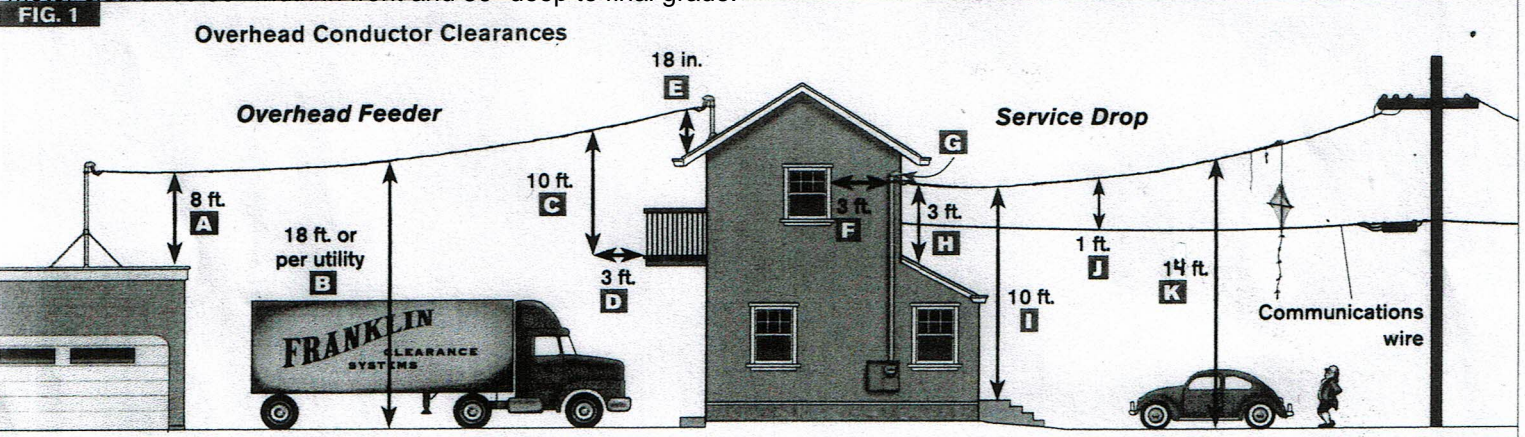
Temporary Services: The City Shall be provided plans of each installation where temporary service is to be supplied. The City Shall not be responsible for damage done to equipment with temporary service. Temporary service equipment Shall Not be installed to trees or City's poles. Temporary installation of service, other wiring and meters Shall meet the same requirements as permanent installations, including inspection and approval.

3401.4.2 Materials already in use in a building at the time of erection or installation Shall be permitted to remain in use unless determined as being (unsafe.)

Section:116. Unsafe equipment: Existing equipment that becomes unsafe, deficient or which constitute a fire hazard or otherwise dangerous to human life or the public welfare or involve an illegal installation or condition or inadequate maintenance, Shall be deemed as unsafe condition. Unsafe equipment Shall be removed and or made safe as deemed necessary.

Clearances: 18" over eaves. 3' from second story windows, decks, balconies and roof edge. 8' over flat roofs. 10' above decks or balconies and area accessible only to pedestrians. 12' above side walks and yards. 14' above driveways. 18' above roads or parking areas subject to truck traffic. 22 1/2' any direction from swimming pool water.

Meter clearance 30" width in front and 36" deep to final grade.



OVERHEAD SERVICE DROP CLEARANCES

Service drop conductors typically have no outer jacket for physical protection and no overload protection at their source. They are protected by isolation. The serving utility may have different rules that override the clearance specifications in the code. Check with your local jurisdiction to determine any variations from the standard clearances below. The clearances here also apply to overhead feeders.

Vertical above Roof F1	12 IRC	14 NEC
<input type="checkbox"/> <4-in-12 slope: min 8 ft. A EXC _____ [3604.2.1] {230.24A}		
• 3 ft. OK if roof area guarded or isolated _____ [3604.2.1X5] ² {230.24AX5}		
<input type="checkbox"/> ≥ 4-in-12 slope: min 3 ft. H EXC _____ [3604.2.1X2] {230.24AX2}		
• 18 in. OK for ≤4 ft. over eaves E _____ [3604.2.1X3] {230.24AX3}		
<input type="checkbox"/> Maintain req'd distance for 3 ft. past roof edge EXC [3604.2.1] {230.24A}		
• Edge clearance above roof is not req'd where overhead conductors attach to side of building G _____ [3604.2.1X4] {230.24AX4}		

Vertical above Grade F1	12 IRC	14 NEC
<input type="checkbox"/> 10 ft. above final grade to lowest point of drip loop [3604.2.2] {230.24B1}		
<input type="checkbox"/> Area accessible only to pedestrians: 10 ft. I _____ [3604.2.2] {230.24B1}		
<input type="checkbox"/> General above grade & driveways: 12 ft. K _____ [3604.2.2] {230.24B2}		
<input type="checkbox"/> Above roads or parking areas subject to truck traffic: 18 ft. B _____ [3604.2.2] {230.24B4}		
<input type="checkbox"/> Any direction from swimming pool water: 22 1/2 ft. _____ [4203.6] {680.8A}		
Openings & Communication Wires F2	12 IRC	14 NEC
<input type="checkbox"/> Vertical above decks & balconies: 10 ft. C _____ [n/a] {230.9B}		
<input type="checkbox"/> From side of area above decks & balconies: 3 ft. D _____ [3604.1] {230.9A}		
<input type="checkbox"/> Below or to sides of openable window: 3 ft. F _____ [3604.1] {230.9A}		
<input type="checkbox"/> Communications wire min 12 in. to parallel power wires J [n/a] {800.44A4}		

The clearances from windows & doors apply to open conductors & not to conductors contained inside a raceway or a cable with an overall outer jacket. The codes do not have a requirement for min. clearance of open conductors above a window. Check to see if your local utility has a requirement.