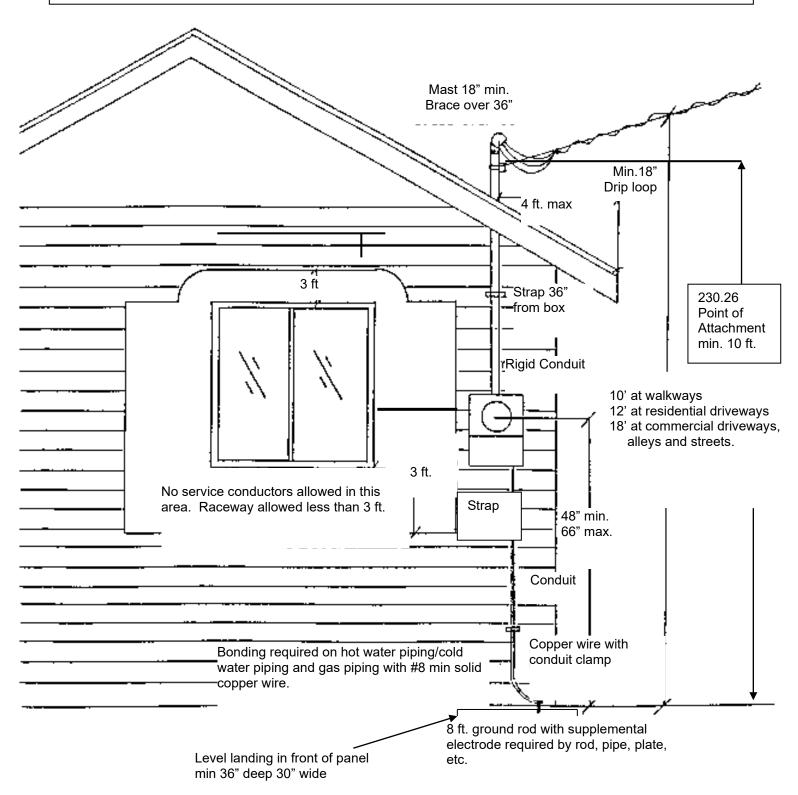


NOTE: New service requires AFCI breakers for all rooms (except kitchen/baths) all extended or new circuits.



	conduit) b) 18" minimum above c) 36" maximum above	ICATIONS ONLY CATING SERVICE CON 1T not allowed; 2" min. for roof to conductors	aluminum rigid
2. Conductors:	<ul> <li>a) Neutral must be identified (white or gray)</li> <li>b) Install corrosion-inhibitor on all aluminum connections</li> <li>c) Wire types: MTW, RHW, RHW-2, TW, THW, THW-2, THHW, THHW-2, THWN, THWN-2, XHHW, XHHW-2, ZW, or other listed conductors.</li> </ul>		
3. Grounding Electrode System	<ul> <li>a) Grounding conductors and neutral conductors to be bonded together at main service panel only</li> <li>b) <sup>3</sup>/<sub>4</sub>"x8' galvanized pipe ground rod</li> <li>c) <sup>1</sup>/<sub>2</sub>"x8' copper jacketed listed ground rod</li> <li>d) Grounding electrode conductor- Protection from damage: <ol> <li>Must be securely fastened to building construction</li> <li>If #8 or subject to physical damage, must be in conduit</li> </ol> </li> </ul>		
4. Bonding	a) All metal piping systems to be bonded b) Jumper from cold water to hot water piping typical at water heater c) Bond wire sized the same as the required GEC, minimum #8 gage		
5. Meter/Panel	a) Height 66" maximum, 48" minimum b) 78" maximum height to main disconnect c) Label all breakers		
6. Breakers	<ul> <li>a) Arc-fault circuit interrupter for kitchens, family rooms, dining rooms, living rooms, parlors, libraries, dens, bedrooms, sunrooms, recreation rooms, closets, hallways or similar rooms. *(For new circuits only)</li> </ul>		
<u>100 AMP SERVICE</u> 1. Size of riser 2. Size of conductor 3. Size of ground	<u>Copper Wire</u> 1 ¼" 4CU #8CU	Aluminum Wire 1 ½" 2 AL #6 AL	
<u>125 AMP SERVICE</u> 1. Size of riser 2. Size of conductor 3. Size of ground	1 ¼" 2 CU #8 CU	1 ½"" 1/0 AL # 6 CU	
150 AMP SERVICE 1. Size of riser 2. Size of conductor 3. Size of ground	1 ½" #1 CU #6 CU	1 ½" 2/OAL #4AL	
200 AMP SERVICE 1. Size of riser 2. Size of conductor 3. Size of ground	1 ½" - 2" 2/0 CU #4 CU	1 ½" - 2" 4/0 AL #2AL	

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