

**ELECTRIC SERVICE INSTALLATION**

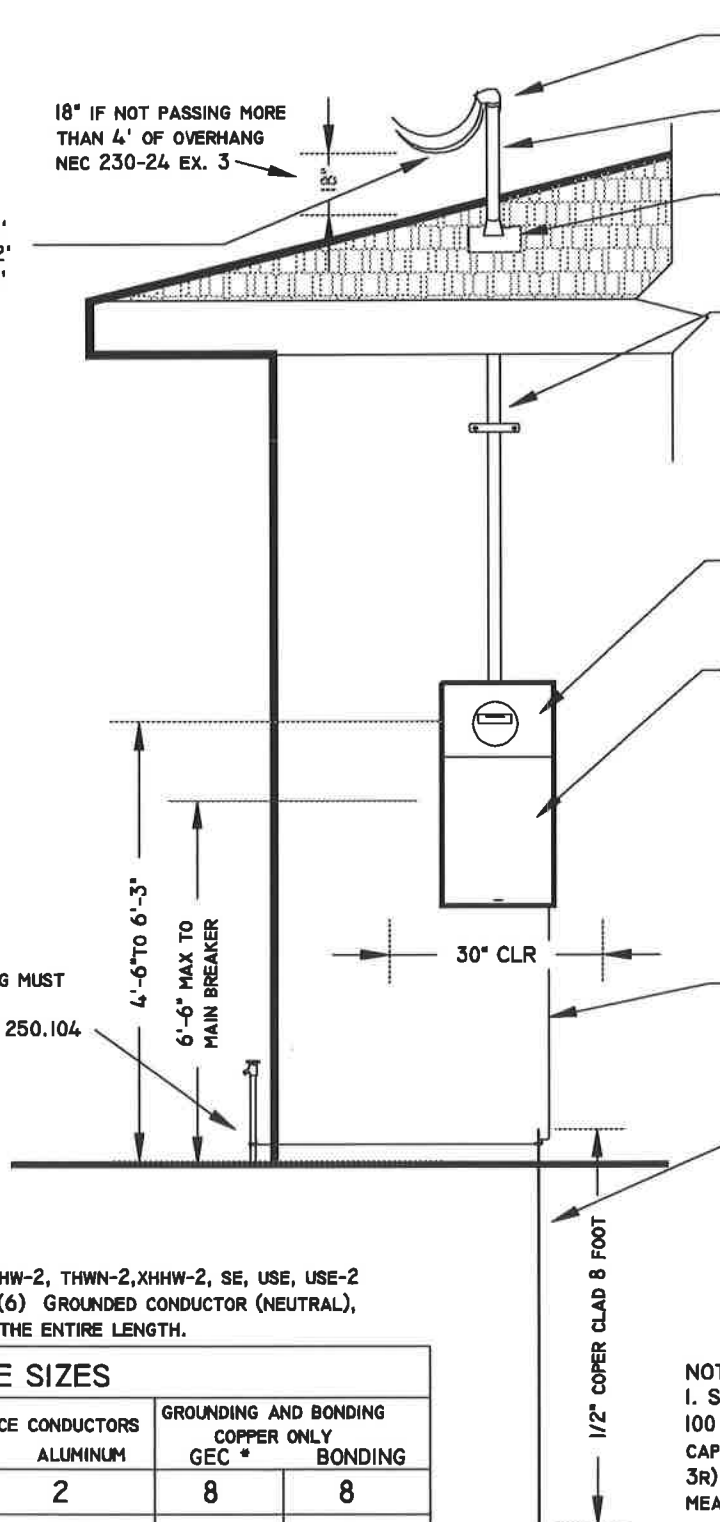
**OVERHEAD CLEARANCES**

ABOVE WALKWAY	10'
RESIDENTIAL DRIVEWAY	12'
ROADS AND DRIVES	18'

**ROOF CLEARANCES**

PITCH < 4/12	8'
PITCH > 4/12	3'

18" IF NOT PASSING MORE THAN 4' OF OVERHANG  
 NEC 230-24 EX. 3



DRIP LEGS MUST BE FORMED IN ACCORDANCE WITH NEC 230-54(F).  
 NOTE: DISTANCE IS 10' TO BOTTOM NEC 23024(b)

ELECTRICAL RISERS ABOVE 30° MUST BE ADEQUATELY BRACED

RAINTIGHT METAL FLASHING REQUIRED

1-1/4" STEEL SCHEDULE 40 RISER 100 AMPS MAX.  
 2" STEEL SCH. 40 RISER OVER 100 AMPS.  
 CLAMP RISER TO BUILDING

FRONT CLEAR SPACE 30" WIDE, 36" DEEP FRONT OF SERVICE PANEL. NOTE: PANEL MUST BE READILY ACCESSIBLE.

ALL BREAKERS SHALL BE CLEARLY & PERMANENTLY LABELED. ALL UNUSED OPENINGS MUST BE EFFECTIVELY CLOSED.

GROUNDING OF METAL BOXES AND EQUIPMENT MUST BE BY MEANS OF METAL RACEWAY, CABLE ARMOR OR GROUNDING CONDUCTOR WHICH IS PART OF AN APPROVED CABLE ASSEMBLY.

DRIVEN GROUND ROD OR UFER  
 NEC 250-53 (G)

COLD WATER AND GAS PIPING MUST BE BONDED TO THE SERVICE EQUIPMENT ENCLOSURE. NEC 250.104 (A)(b)

4'-6" TO 6'-3"

6'-6" MAX TO MAIN BREAKER

30" CLR

1/2" COPPER CLAD 8 FOOT

**WIRE TYPES**

RHH, RHW, RHW-2, THHN, THHW, THW-2, THWN-2, XHHW-2, SE, USE, USE-2, THWN, THW, XHHW, NEC 310.15(b)(6) GROUNDED CONDUCTOR (NEUTRAL), SHALL BE WHITE OR GRAY FINISH THE ENTIRE LENGTH.

SERVICE SIZE	WIRE SIZES		GROUNDING AND BONDING	
	SERVICE ENTRANCE COPPER	CONDUCTORS ALUMINUM	COPPER ONLY GEC *	BONDING
100A	4	2	8	8
125A	2	1/0	8	8
150A	1	2/0	4	4
200A	2/0	4/0	4	4
400A	400	600	1/0	1/0

\* WHERE GROUNDING ELECTRODE CONDUCTOR (GEC) IS CONNECTED TO A GROUND ROD, PIPE OR PLATE ELECTRODE, IT SHALL NOT BE REQUIRED TO BE LARGER THAN 6 AWG COPPER.

NOTE: DWELLING UNITS  
 1. SWITCH, CIRCUIT BREAKER OR PANEL OF AT LEAST 100 AMPS IS REQUIRED 230.79(c) AS MINIMUM CAPACITY AS SERVICE EQUIPMENT. RAIN TIGHT (NEMA 3R) REQUIRED UNLESS PROTECTED BY AN APPROVED MEANS.