

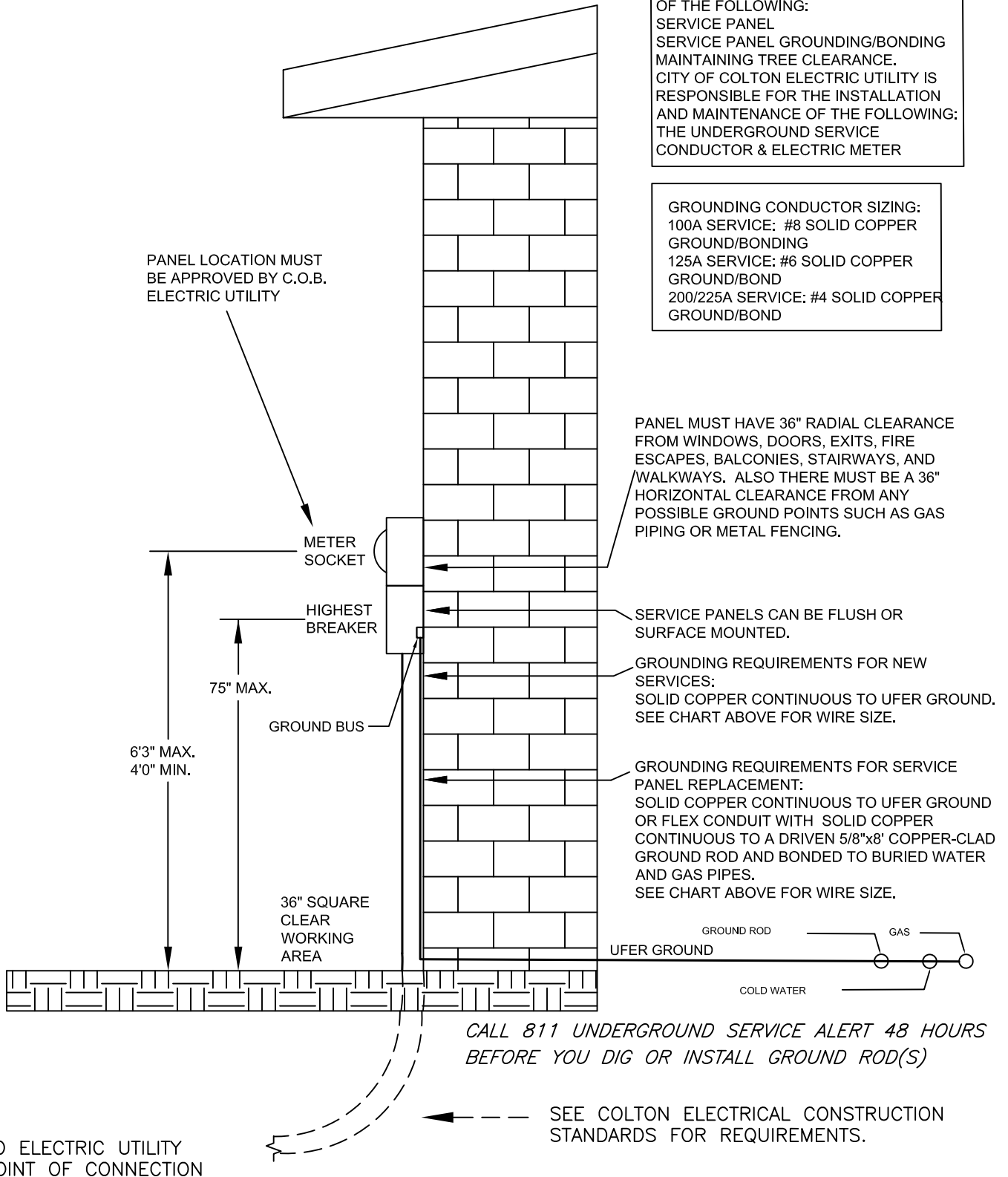
THIS STANDARD SHOWS THE REQUIREMENTS FOR A TYPICAL UNDERGROUND SERVICE.

THE CUSTOMER IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE FOLLOWING:  
 SERVICE PANEL  
 SERVICE PANEL GROUNDING/BONDING  
 MAINTAINING TREE CLEARANCE.  
 CITY OF COLTON ELECTRIC UTILITY IS RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF THE FOLLOWING:  
 THE UNDERGROUND SERVICE  
 CONDUCTOR & ELECTRIC METER

GROUNDING CONDUCTOR SIZING:  
 100A SERVICE: #8 SOLID COPPER GROUND/BONDING  
 125A SERVICE: #6 SOLID COPPER GROUND/BOND  
 200/225A SERVICE: #4 SOLID COPPER GROUND/BOND

PANEL LOCATION MUST BE APPROVED BY C.O.B. ELECTRIC UTILITY

PANEL MUST HAVE 36" RADIAL CLEARANCE FROM WINDOWS, DOORS, EXITS, FIRE ESCAPES, BALCONIES, STAIRWAYS, AND WALKWAYS. ALSO THERE MUST BE A 36" HORIZONTAL CLEARANCE FROM ANY POSSIBLE GROUND POINTS SUCH AS GAS PIPING OR METAL FENCING.



SERVICE PANELS CAN BE FLUSH OR SURFACE MOUNTED.  
 GROUNDING REQUIREMENTS FOR NEW SERVICES:  
 SOLID COPPER CONTINUOUS TO UFER GROUND. SEE CHART ABOVE FOR WIRE SIZE.  
 GROUNDING REQUIREMENTS FOR SERVICE PANEL REPLACEMENT:  
 SOLID COPPER CONTINUOUS TO UFER GROUND OR FLEX CONDUIT WITH SOLID COPPER CONTINUOUS TO A DRIVEN 5/8"x8' COPPER-CLAD GROUND ROD AND BONDED TO BURIED WATER AND GAS PIPES. SEE CHART ABOVE FOR WIRE SIZE.

CALL 811 UNDERGROUND SERVICE ALERT 48 HOURS BEFORE YOU DIG OR INSTALL GROUND ROD(S)

SEE COLTON ELECTRICAL CONSTRUCTION STANDARDS FOR REQUIREMENTS.

TO ELECTRIC UTILITY POINT OF CONNECTION



DRAWN BY: EA

07-2020

REV: 06-2021

STANDARD DRAWINGS

UNDERGROUND SERVICE REQUIREMENTS

**SD**

100.02