

## GENERAL NOTES :

THE INTENT OF THESE REQUIREMENTS IS FOR THE SAFETY OF ALL PERSONNEL WHO INSTALL, MAINTAIN, READ, TEST, INSPECT, OR REMOVE ELECTRICAL METERING EQUIPMENT SO THEY MAY SAFELY PROVIDE SERVICES BOULDER CITY CUSTOMERS RELY UPON. FOR ANY QUESTIONS OR CLARIFICATIONS OF THESE REQUIREMENTS, PLEASE CONTACT US BY EMAIL AT PWENGINEERING@BCNV.ORG OR BY PHONE AT (702) 293-9200, OPTION #4.

1. ALL INFRASTRUCTURE PRIOR TO THE METER, INCLUDING THE METER, IS CONSIDERED "PUBLIC". THE CITY OF BOULDER CITY WILL BE RESPONSIBLE FOR THE MAINTENANCE AND OPERATION OF ALL PUBLIC INFRASTRUCTURE. ALL INFRASTRUCTURE AFTER THE METER, INCLUDING THE SERVICE PANEL, SHALL BE CONSIDERED "PRIVATE" AND IS THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY BEING SERVICED BY THE METER.
2. ALL ELECTRICAL INFRASTRUCTURE SHALL MEET ALL APPLICABLE CODE REQUIREMENTS OF THE 2012 EDITION OF THE NATIONAL ELECTRIC CODE (NEC).
3. CONTRACTORS SHALL OBTAIN ALL APPLICABLE BUILDING PERMITS AND REGULATIONS AS REQUIRED BY THE BOULDER CITY COMMUNITY DEVELOPMENT DEPARTMENT, BUILDING INSPECTIONS DIVISION (702-293-9282).
4. METERS SHALL BE ACCESSIBLE TO BOULDER CITY PERSONNEL 24 HOURS A DAY , SEVEN DAYS A WEEK FOR MAINTENANCE PURPOSES. THE CITY OF BOULDER CITY PUBLIC WORKS DEPARTMENT MUST BE NOTIFIED IMMEDIATELY WHEN A METER IS NOT READILY ACCESSIBLE TO DISCUSS POSSIBLE RESOLUTIONS FOR ACCESS.

### 5. METER LOCATION

- SINGLE FAMILY RESIDENCE:** METER MUST BE LOCATED WITHIN 100' FROM THE BACK OF CURB, INSTALLED ON AN EXTERIOR BUILDING WALL, AND VIEWABLE FROM THE STREET. METER SHALL NOT BE LOCATED BEHIND A WALL, FENCE, OR GATE.
- MULTI-FAMILY RESIDENCE:** METERS SHALL BE LOCATED ON AN EXTERIOR BUILDING WALL OR IN A METER ROOM. METERS OR METER ROOM DOOR MUST BE LOCATED WITHIN 100' AND VIEWABLE FROM A PARKING LOT OR DRIVE AISLE. MULTI-STORY BUILDINGS SHALL HAVE METERS OR METER ROOM LOCATED ON THE GROUND LEVEL.
- COMMERCIAL/INDUSTRIAL:** METER(S) SHALL BE LOCATED ON AN EXTERIOR BUILDING WALL OR IN A METER ROOM(S). METER(S) OR METER ROOM(S) MUST BE LOCATED WITHIN 100' AND VIEWABLE FROM A PARKING LOT OR DRIVE AISLE. MULTI-OCCUPANCY AND MULTI-STORY BUILDINGS MUST HAVE METERS OR METER ROOM(S) LOCATED ON THE GROUND LEVEL. MORE THAN ONE LOCATION FOR A GROUP OF METERS OR MULTIPLE METER ROOMS IS ACCEPTABLE WITH APPROVAL FROM THE PUBLIC WORKS DEPARTMENT.
- SERVICE PEDESTALS:** LOCATIONS OF SERVICE PEDESTALS FOR UTILITY INFRASTRUCTURE WILL BE DETERMINED BY THE PUBLIC WORKS DEPARTMENT ON A PER PROJECT BASIS. METER PEDESTAL LOCATIONS FOR MANUFACTURED HOMES SHALL GENERALLY BE LOCATED AT THE FRONT OF THE LOT (STREET SIDE). SEE ADDITIONAL STANDARDS AND DRAWINGS RELATED TO MANUFACTURED HOME METER PEDESTALS.

METER(S)/METER ROOM(S) SHALL NOT BE LOCATED IN AREAS THAT ARE DEEMED HAZARDOUS TO PERSONNEL, ARE NOT READILY ACCESSIBLE OR IN LOCATIONS SUCH AS GARAGES, CARPORTS, OR BREEZEWAYS. METER(S)/METER ROOM(S) SHALL NOT BE LOCATED IN TRASH, REFUSE, OR GARBAGE ENCLOSURES. AN APPROVED STAIRWAY OR RAMP CONFORMING TO ACCESSIBILITY STANDARDS OR BUILDING CODES MUST BE CONSTRUCTED FOR ACCESS TO METER(S)/METER ROOM(S) LOCATED IN AREAS THAT ARE ELEVATED OR DEPRESSED FROM THE ADJACENT GROUND LEVEL.

METERS SHALL BE INSTALLED AT A HEIGHT BETWEEN 75" AND 48" FROM THE STANDING SURFACE OF THE WORKING SPACE. THE MINIMUM INSTALLATION HEIGHT MAY BE REDUCED TO 36" WHEN THE METER IS INSTALLED IN AN ENCLOSED CABINET OR IN A METER ROOM. IN THE EVENT OF THE INSTALLATION OF AN ENCLOSED MULTIPLE METERING PANEL, THE MINIMUM INSTALLATION HEIGHT MAY BE REDUCED TO 24".

PERMANENT METER PANELS INSTALLED AT ANY APPROVED LOCATION SHALL NOT BE MOUNTED TO UNISTRUT OR RIGID OF ANY KIND.

IF METER LOCATION STANDARDS, AS OUTLINED IN THIS DOCUMENT, CANNOT BE MET, A METER SERVICE PEDESTAL SHALL BE REQUIRED AT THE CUSTOMER'S EXPENSE. ALL METER PEDESTALS ARE SUBJECT TO ADDITIONAL STANDARDS. SEE APPLICABLE CITY OF BOULDER CITY STANDARDS FOR DETAILS.

### 6. WORKING SPACE

- DEPTH:** MINIMUM 3'-0" IN FRONT OF THE METER PANEL. ENTIRE WORKING SPACE MUST BE LOCATED ON THE CUSTOMER'S PROPERTY.
- WIDTH:** MINIMUM 3'-0", CENTERED UPON METER LOCATION, OR WIDTH OF ELECTRICAL ENCLOSURE, WHICHEVER IS GREATER.
- HEIGHT:** MINIMUM 6'-6" FROM A LEVEL STANDING SURFACE.
- SURFACE MATERIAL:** THE WORKING SPACE SURFACE MUST BE CONSTRUCTED OF A MINIMUM 4" THICK CONCRETE SLAB. IF THE METER(S) IS LOCATED IN A METER ROOM(S), THE ENTIRE FLOOR OF THE METER ROOM(S) SHALL BE CONSTRUCTED OF A MINIMUM 4" THICK CONCRETE SLAB.
- ACCESSIBILITY:** THE WORKING SPACE MUST BE ACCESSIBLE BY A SAFE WALKWAY FROM THE STREET DIRECTLY TO THE METER LOCATION. THE WALKWAY MUST BE AT LEAST 3'-0" WIDE, LEVEL, AND HAVE AN UNOBSTRUCTED HEIGHT OF 6'-6" FOR ITS ENTIRETY. THE WALKWAY SURFACE MUST BE WALKABLE WITHOUT CREATING A TRIPPING HAZARD (E.G. ASPHALT, CONCRETE, PAVERS, GRAVEL, SMALL ROCK, GRASS, ETC.) AND FREE OF ALL OBSTRUCTIONS AND/OR LANDSCAPE FLORA. WALKWAY GRADES SHALL BE REVIEWED ON A PER PROJECT BASIS BUT SHALL GENERALLY BE LESS THAN A 1:12 SLOPE (8.33%).

### 7. METER ROOM REQUIREMENTS

- 2017 NEC:** ALL METER ROOMS SHALL COMPLY WITH THE 2017 NEC EDITION, SECTION 110.26. PLANS FOR METER ROOM SHALL BE SUBMITTED PRIOR TO CONSTRUCTION FOR APPROVAL ON A CASE BY CASE BASIS.
- DOOR ACCESS:** THE MINIMUM WIDTH OF THE METER ROOM ACCESS DOOR IS 36". THE DOOR MUST PROVIDE DIRECT ACCESS TO THE METER ROOM.
- METER CLEARANCES:** IN ADDITION TO THE WORKING SPACE REQUIREMENT LISTED ABOVE, THERE SHALL BE A 10" MINIMUM CLEARANCE ON EACH SIDE OF A METER SERVICE PANEL AND A MINIMUM 7" CLEARANCE ABOVE EACH METER SERVICE PANEL.

METER ROOMS SHALL NOT BE USED AS STORAGE CLOSETS. ALL METER(S) AND METER ROOMS SHALL BE CLEARLY LABELED WITH A PERMANENT MARKING INDICATING THE SERVICE ADDRESS.

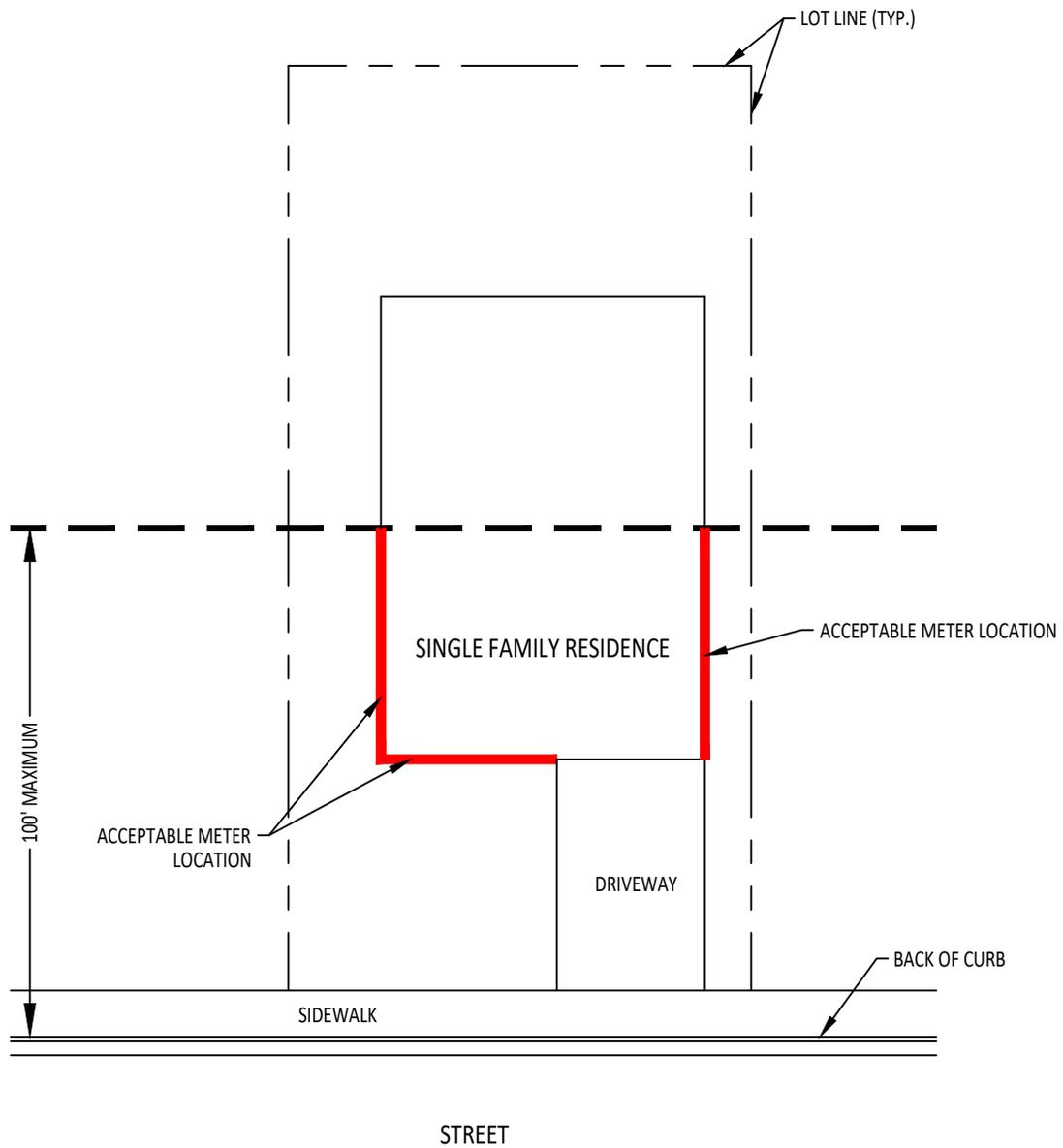


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**ENGINEERING  
DIVISION**

**STANDARD DRAWING  
ELECTRICAL INFRASTRUCTURE REQUIREMENTS**

**ELECTRICAL METERING CLEARANCES  
GENERAL NOTES**

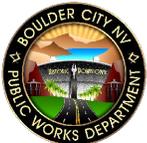
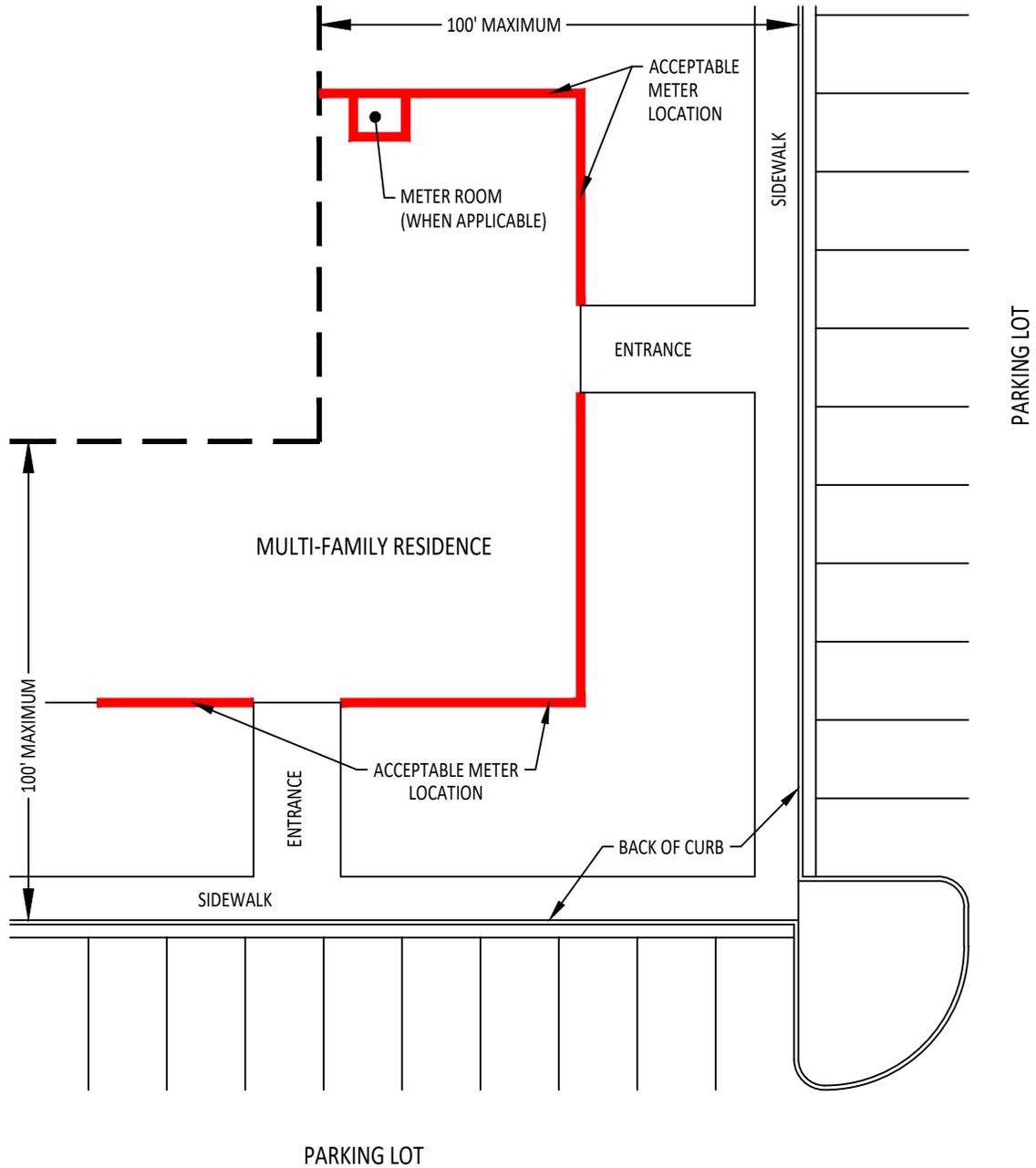
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**ELECTRICAL METERING CLEARANCES**  
**METER LOCATION - SINGLE FAMILY RESIDENCE**

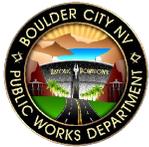
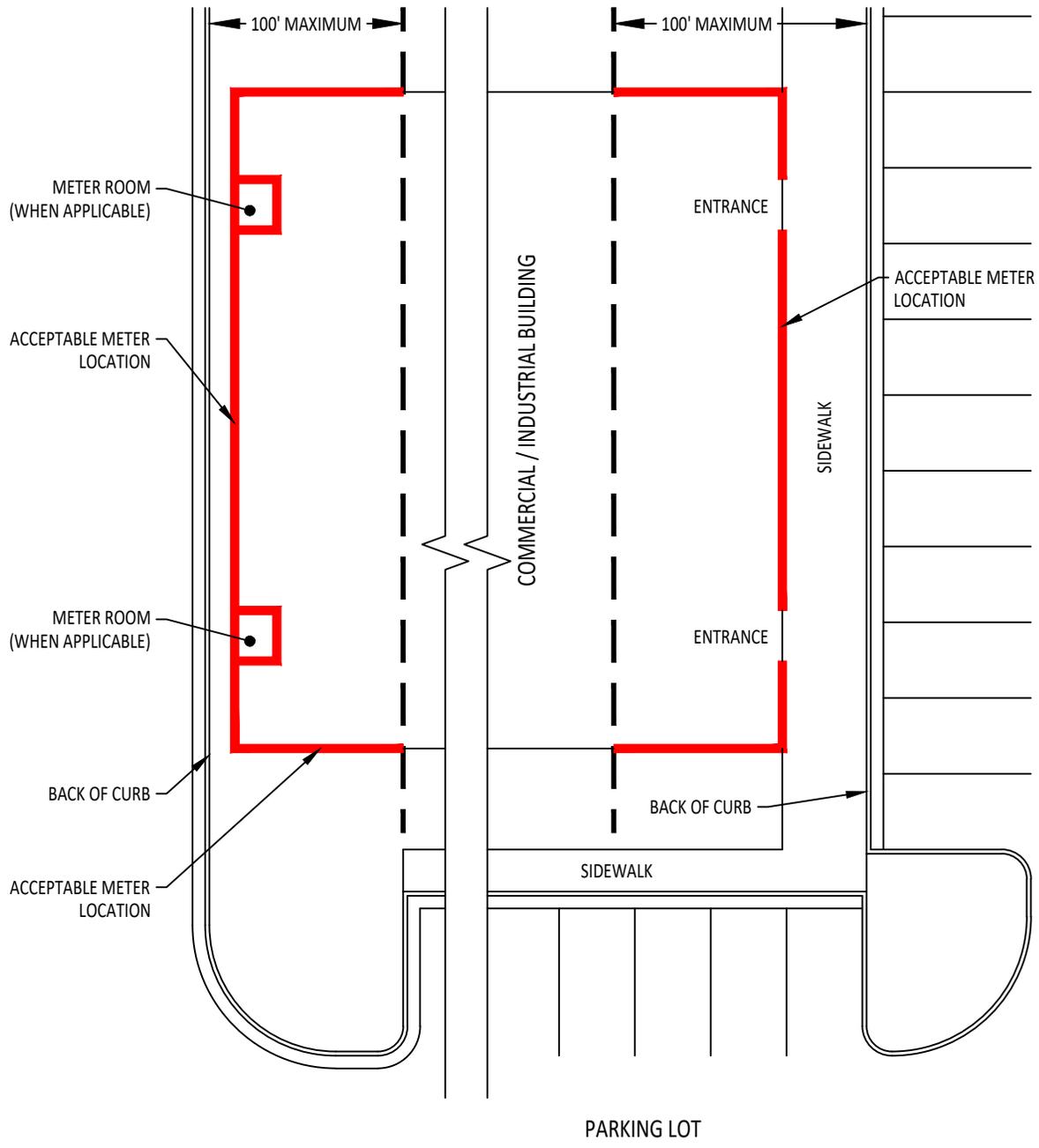
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ELECTRICAL INFRASTRUCTURE REQUIREMENTS**  
**ELECTRICAL METERING CLEARANCES  
METER LOCATION - MULTI-FAMILY RESIDENCE**

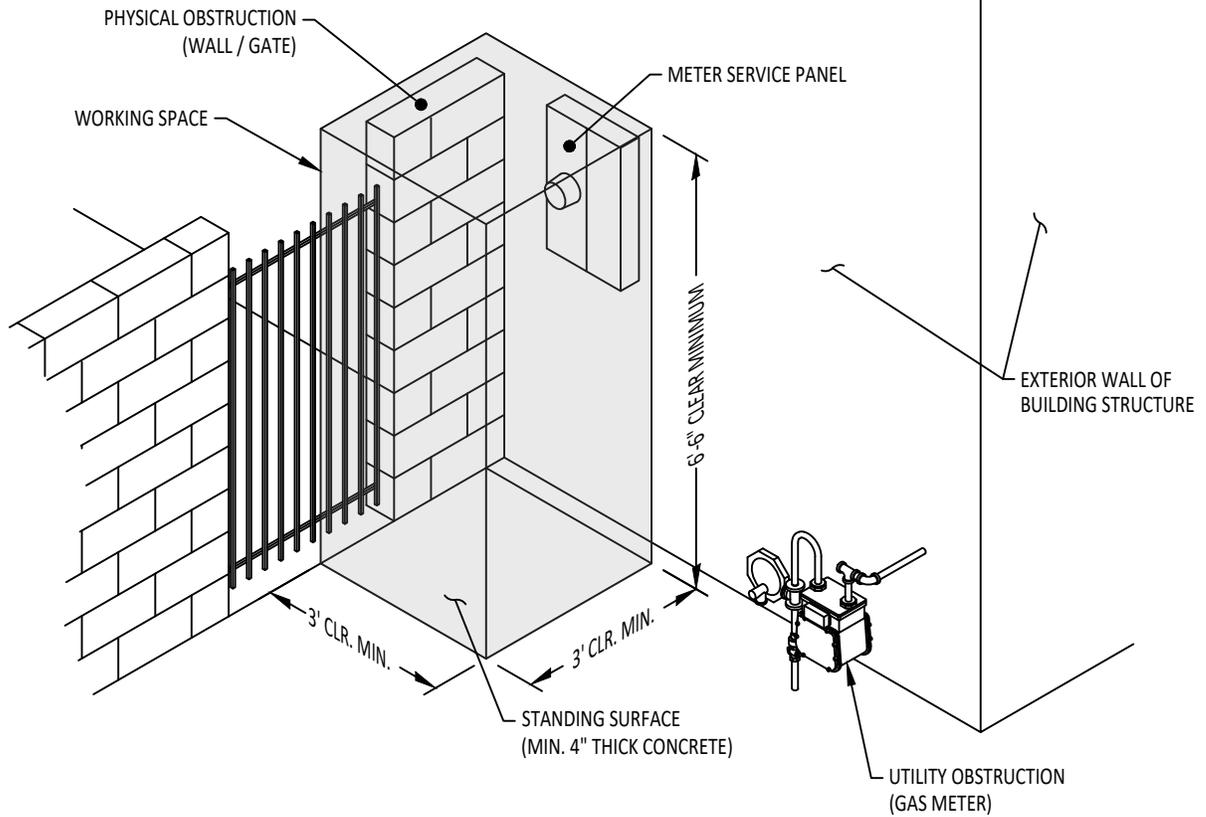
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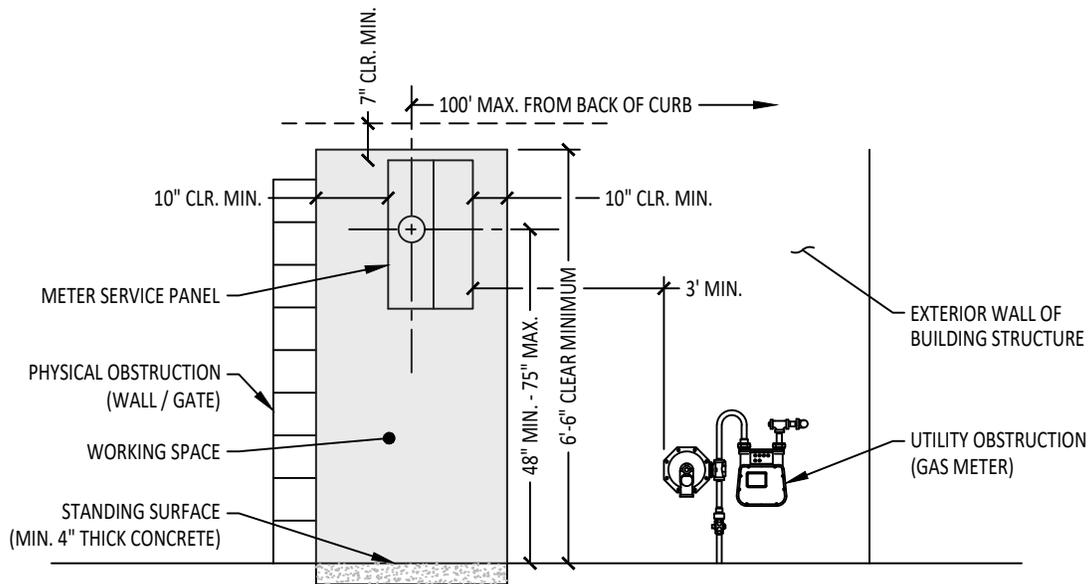
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**ELECTRICAL METERING CLEARANCES**  
**METER LOCATION - COMMERCIAL/INDUSTRIAL**

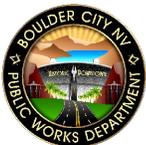
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ISOMETRIC VIEW  
NOT TO SCALE



ELEVATION VIEW  
NOT TO SCALE

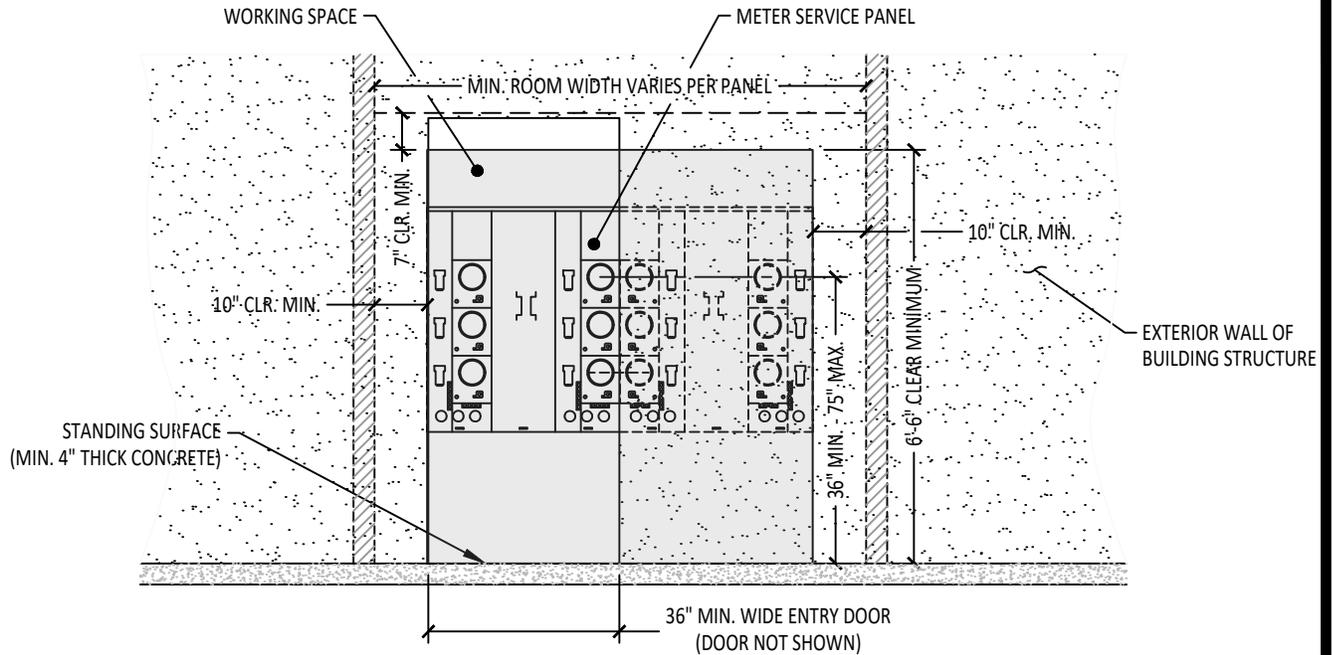


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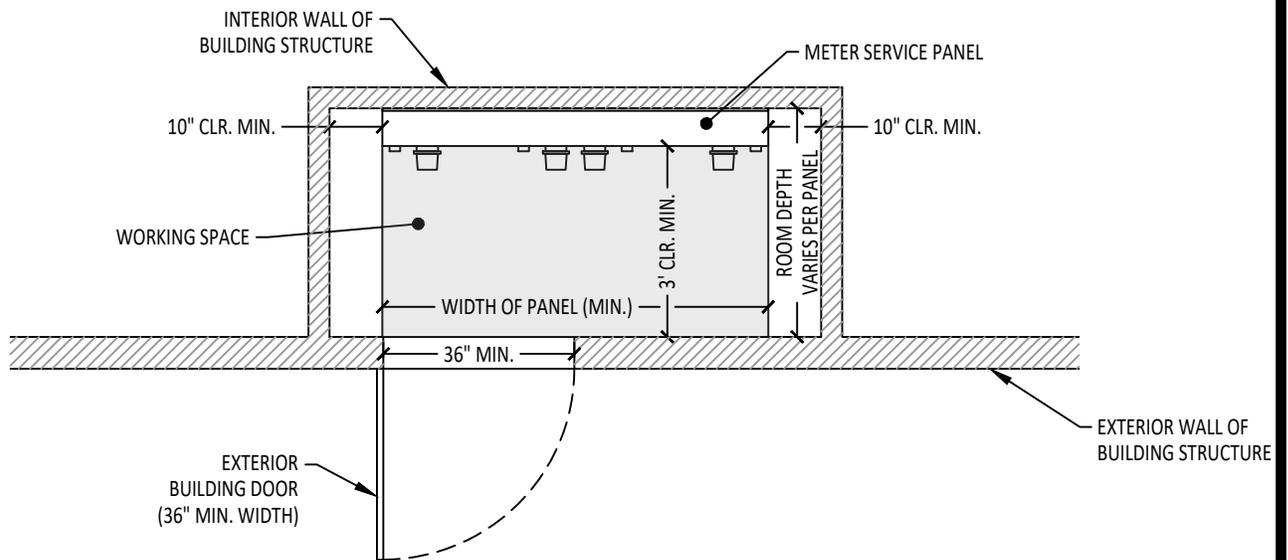
**STANDARD DRAWING  
ELECTRICAL INFRASTRUCTURE REQUIREMENTS**

**ELECTRICAL METERING CLEARANCES  
METER LOCATED ON EXTERIOR WALL**

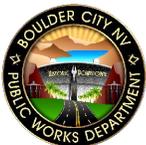
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ELEVATION VIEW  
NOT TO SCALE



PLAN VIEW  
NOT TO SCALE



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**STANDARD DRAWING**  
**ELECTRICAL INFRASTRUCTURE REQUIREMENTS**

**ELECTRICAL METERING CLEARANCES**  
**METER LOCATED IN A METER ROOM**

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