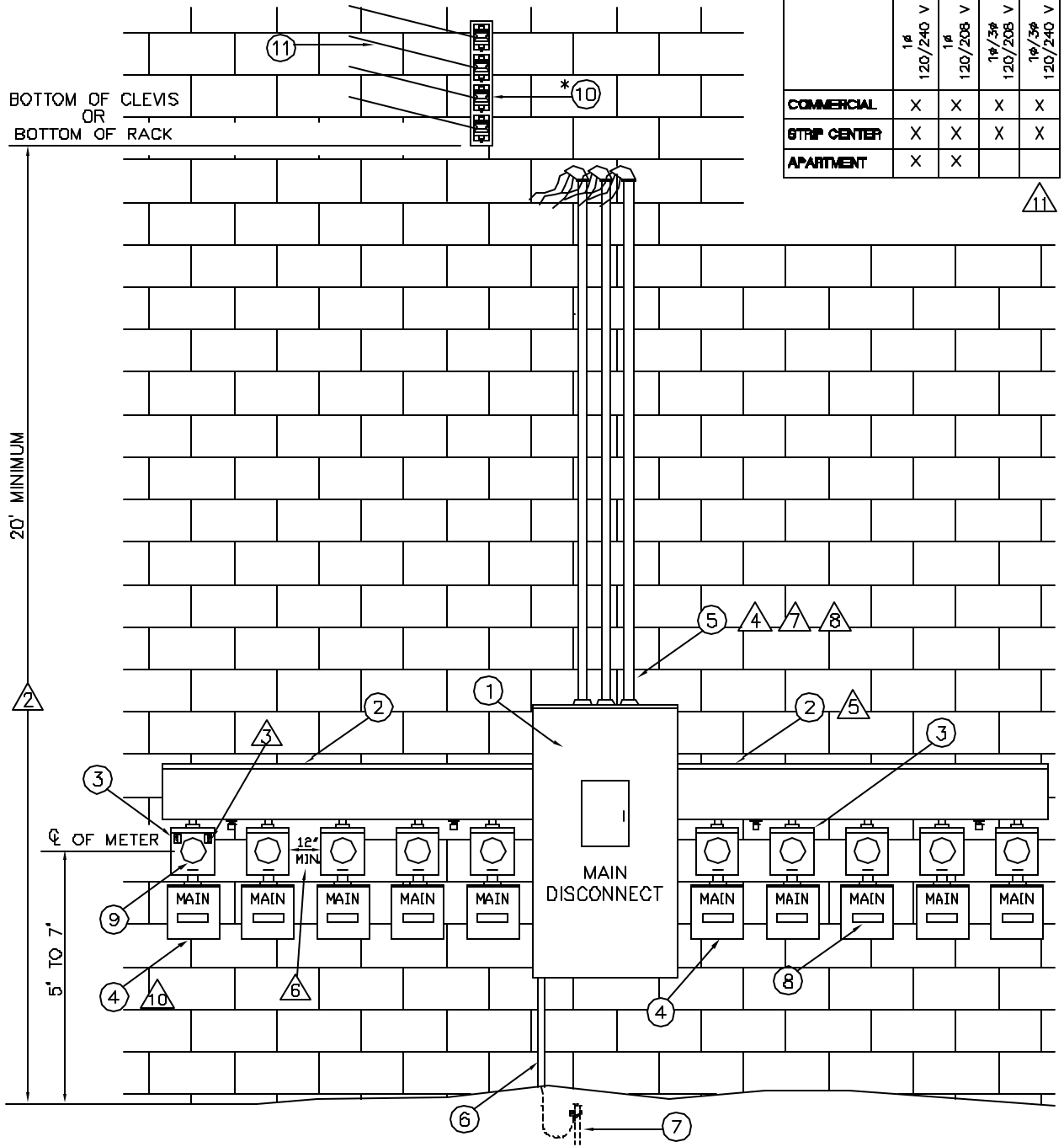


**NOTE:**  
 THIS SERVICE MAY BE DESIGNED FOR FUTURE EXPANSION.  
 IT IS INTENDED TO BE USED FOR COMMERCIAL AND STRIP CENTER  
 BUILDINGS WHERE LOAD REQUIREMENTS OFTEN CHANGE TO MEET  
 TENANT REQUIREMENTS.

DESCRIPTION	VOLTAGE			
	OH/UG 120/240 V	OH/UG 120/208 V	OH/UG 120/208 V	OH 120/240 V
COMMERCIAL	X	X	X	X
STRIP CENTER	X	X	X	X
APARTMENT	X	X		



△ GENERAL NOTES

SEE PAGE 2 FOR NOTES

**ELECTRIC SERVICE STANDARD  
 CITY UTILITIES OF SPRINGFIELD MO.**

DRAWN BY:  
 G.GUEVARA

REV BY:  
 W.BROOKS

FILE:  
 SO-MGM1

APPROVED:  
 08/19/02

REMOVED:  
 08/19/02

SHEET  
 OF  
 1 OF 2

STD. NO.  
**SO-MGM**

SERVICE OVERHEAD  
 GUTTER SERVICE  
 WITH MAIN DISCONNECT  
 7-24 METERS

MATERIAL LIST

QTY.	DESCRIPTION	STOCK NO.	QTY.	DESCRIPTION	STOCK NO.
	<b>FURNISHED and INSTALLED BY CUSTOMER</b>			<b>FURNISHED BY CITY UTILITIES</b>	
1.	1 MAIN SERVICE DISCONNECT (RAINTIGHT) - $\Delta$		9.	AS REQD 4 TERMINAL METER FOR 1 $\phi$ 120/240 V. 5 TERMINAL METER FOR 1 $\phi$ 120/208 V. 7 TERMINAL METER FOR 1 $\phi$ /3 $\phi$ 120/240 V. 7 TERMINAL METER FOR 1 $\phi$ /3 $\phi$ 120/208 V.	
2.	AS REQD GUTTER (RAINTIGHT AND HAVE PROVISION FOR LOCKING) - $\Delta$ FOR 600 OR 800 AMP SERVICE THE MINIMUM RECOMMENDED SIZE IS 12' x 12' x LENGTH AS REQUIRED. - $\Delta$ FOR 1000 OR 1200 AMP SERVICE THE MINIMUM RECOMMENDED SIZE IS 16' x 16' x LENGTH AS REQUIRED. - $\Delta$ GUTTER SHALL NOT BE SMALLER THAN ALLOWED BY 2005 NEC ARTICLE 366		*10.	AS REQD SECONDARY BRACKET (4 - WIRE) OR 4 - CLEVIS BRACKET 3 - INSULATED SPOOL, BROWN 1 - INSULATED SPOOL, WHITE	102170 130094 130121
3.	1 PER UNIT METER ENCLOSURE, (RAINTIGHT) 4 TERMINAL FOR 1 $\phi$ 120/240 V. 5 TERMINAL FOR 1 $\phi$ 120/208 V. 7 TERMINAL FOR 1 $\phi$ /3 $\phi$ 120/240 V. 7 TERMINAL FOR 1 $\phi$ /3 $\phi$ 120/208 V.		11.	AS REQD SERVICE DROP CONDUCTOR SIZE AND LENGTH REQUIRED	
4.	1 PER METER SERVICE DISCONNECT (RAINTIGHT) - $\Delta$ $\Delta$ (GROUPED IN ONE LOCATION)				
5.	AS REQD SERVICE ENTRANCE CONDUIT(S) AND CONDUCTORS - $\Delta$				
6.	AS REQD GROUNDING ELECTRODE CONDUCTOR - $\Delta$				
7.	AS REQD GROUNDING ELECTRODE - $\Delta$				
8.	AS REQD SERVICE ADDRESS TAG (PERMANENTLY ATTACHED, MINIMUM 3/8" LETTER HEIGHT)				
				*FURNISHED BY CITY UTILITIES INSTALLED BY CUSTOMER PICK UP AT 825 N. BELCREST	



GENERAL NOTES

1. CUSTOMER TO VERIFY SIZE AND LOCATION OF ALL SERVICE EQUIPMENT WITH CITY UTILITIES AND APPROPRIATE INSPECTION AUTHORITY BEFORE BEGINNING WORK.
2. MINIMUM HEIGHT IS 20'.
3. FOR 3 $\phi$  SERVICE CHECK AND TAG SERVICE TO INDICATE CLOCKWISE (CW) OR COUNTER-CLOCKWISE (CCW) ROTATION AT EACH METER.
4. SERVICE ENTRANCE CONDUITS MAY EXTEND ABOVE THE ROOF AND SUPPORT THE SERVICE DROP CONDUCTORS. WHEN THIS IS DONE, THE CONDUITS SHALL BE RIGID AND BE DESIGNED TO SUPPORT THE PULL OF THE SERVICE DROP CONDUCTORS UNDER ALL WEATHER CONDITIONS.
5. GUTTERS MAY BE BUSSED TYPE OR TAP BARS MAY BE USED FOR CONNECTIONS. IF TAP BARS ARE USED EACH BAR SHALL HAVE AT LEAST ONE OPEN TERMINAL.
6. MINIMUM 12" BETWEEN METER BASES.
7. YOU MUST RECEIVE WITH PRIOR APPROVAL FROM CITY UTILITIES IF SERVICE REQUIRES MORE THAN 3 SERVICE ENTRANCE RISERS.
8. WHEN SERVICE ENTRANCE CONDUCTORS ARE INSTALLED AS PARALLEL RUNS, ALL CONNECTIONS SHALL BE IN ACCORDANCE WITH 2005 NEC ARTICLE 310.4.
9. THE GUTTER SHALL BE LONG ENOUGH TO ALLOW 12" MINIMUM SPACING BETWEEN METER BASES.
10. FOR THIS TYPE OF SERVICE 200 AMP IS THE MINIMUM RECOMMENDED SIZE FOR INDIVIDUAL SERVICE DISCONNECTS.
11. SEE SO-GN6 FOR PANEL CONNECTION DETAIL WHEN INSTALLING A 120/240 VOLT 4-WIRE COMBINATION SERVICE.
12. CHECK WITH LOCAL INSPECTION AUTHORITY TO VERIFY REQUIREMENTS FOR GROUNDING ELECTRODE CONDUCTOR SIZE AND TYPE OF GROUNDING ELECTRODE TO BE USED. ALL GROUNDING TO MEET 2005 NEC ARTICLE 250.

**ELECTRIC SERVICE STANDARD  
CITY UTILITIES OF SPRINGFIELD MO.**

DRAWN BY:  
G.GUEVARA

REV BY:  
W.BROOKS

FILE:  
SO-MGM2

APPROVED:  
09/14/06

REVISED:  
06/01/06

SHEET  
OF  
2 2

STD. NO.  
**SO-MGM**

SERVICE OVERHEAD  
GUTTER SERVICE  
WITH MAIN DISCONNECT  
7-24 METERS