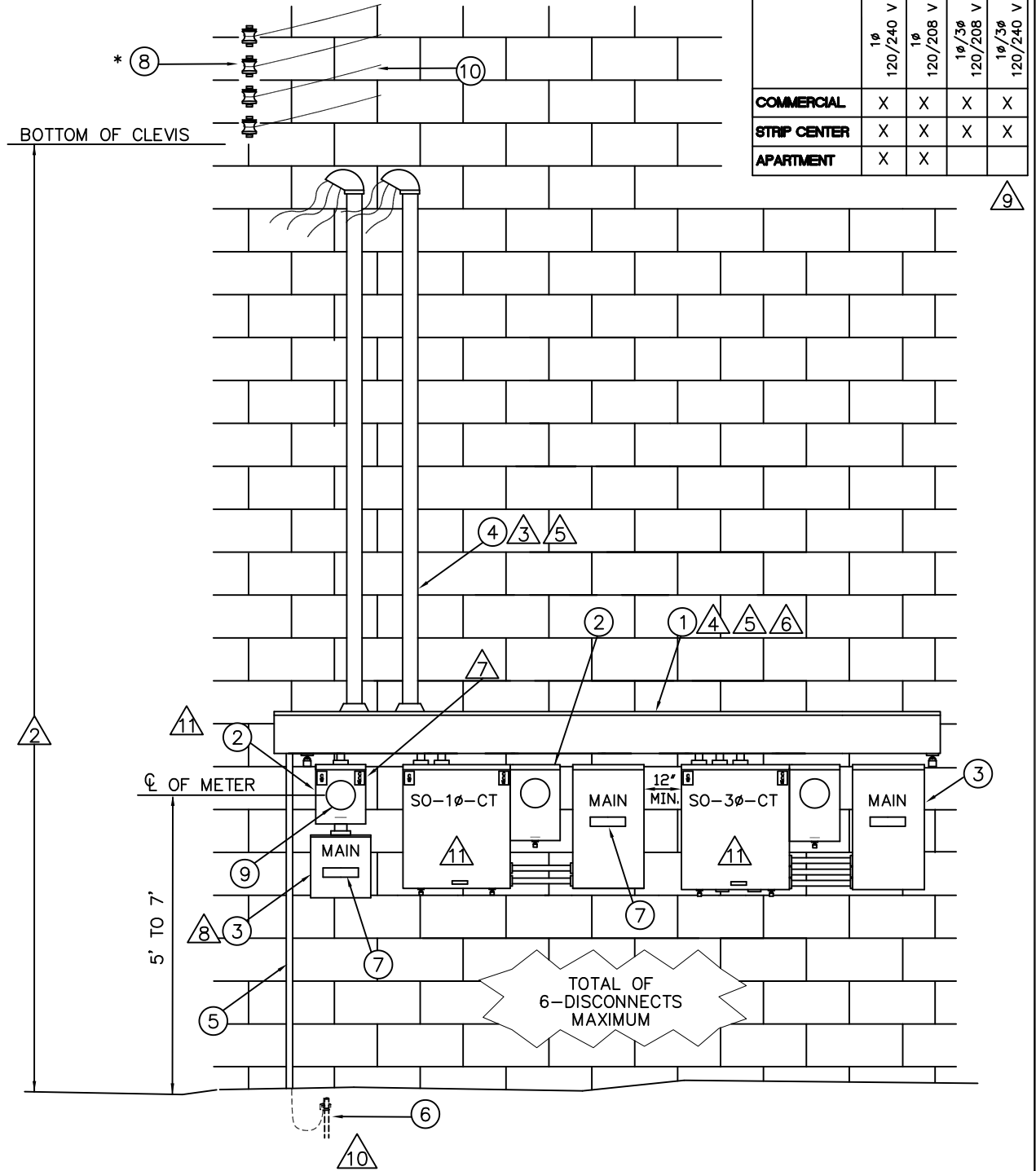


# SO-MG6

**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.

APPLICATION GUIDE				
DESCRIPTION	VOLTAGE			
	OH/UG 1 $\phi$ 120/240 V	OH/UG 1 $\phi$ 120/208 V	OH/UG 1 $\phi$ /3 $\phi$ 120/208 V	OH 1 $\phi$ /3 $\phi$ 120/240 V
COMMERCIAL	X	X	X	X
STRIP CENTER	X	X	X	X
APARTMENT	X	X		



△	GENERAL NOTES	<b>ELECTRIC SERVICE STANDARD CITY UTILITIES OF SPRINGFIELD MO.</b>			
	SEE PAGE 2 FOR NOTES	DRAWN BY: G.GUEVARA REV BY: K.DENTON FILE: SO-MG61 APPROVED: 10/29/14	SERVICE OVERHEAD GUTTER SERVICE 6-DISCONNECTS MAXIMUM 1200 AMP MAXIMUM REVISED: 03/12/18	SHEET OF 1 OF 2	STD. NO. <b>SO-MG6</b>

**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 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 2011 NEC ARTICLE 366		*8.	AS REQD 4 - CLEVIS BRACKET 3 - INSULATED SPOOL, BROWN 1 - INSULATED SPOOL, WHITE	102170 130094 130121
2.	AS REQD 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.		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.	
3.	2 SERVICE DISCONNECT RRAINTIGHT - $\Delta$ $\Delta$		10.	AS REQD SERVICE DROP CONDUCTOR SIZE & LENGTH AS REQUIRED	
4.	AS REQD SERVICE ENTRANCE CONDUIT(S) AND CONDUCTORS (SIZE AS REQUIRED BY CITY OR COUNTY INSPECTOR)				
5.	AS REQD GROUNDING ELECTRODE CONDUCTOR - $\Delta$				
6.	AS REQD GROUNDING ELECTRODE - $\Delta$				
7.	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**

- CUSTOMER TO VERIFY SIZE AND LOCATION OF ALL SERVICE EQUIPMENT WITH CITY UTILITIES AND APPROPRIATE INSPECTION AUTHORITY BEFORE BEGINNING WORK.
- SEE SO-CLEAR FOR SERVICE ATTACHMENT HEIGHTS.
- THE SERVICE ENTRANCE CONDUITS MAY EXTEND ABOVE THE ROOF AND SUPPORT THE SERVICE DROP CONDUCTORS. WHEN THIS IS DONE, THE CONDUITS SHALL BE DESIGNED TO SUPPORT THE PULL OF THE SERVICE DROP CONDUCTORS UNDER ALL WEATHER CONDITIONS.
- USE INSULATED TAP BARS FOR ALL CONNECTIONS IN GUTTER. BARS SHALL HAVE AT LEAST ONE OPEN TERMINAL.
- WHEN SERVICE ENTRANCE CONDUCTORS ARE INSTALLED AS PARALLEL RUNS, ALL CONNECTIONS SHALL BE IN ACCORDANCE WITH 2017 NEC ARTICLE 310.1H.
- GUTTER LENGTH SHALL ALLOW 12" MINIMUM SPACING BETWEEN METER BASES.
- FOR 3 $\phi$  SERVICE CHECK AND TAG SERVICE TO INDICATE CLOCKWISE (CW) OR COUNTER-CLOCKWISE (CCW) ROTATION AT EACH METER.
- FOR COMMERCIAL AND STRIP CENTER INSTALLATIONS, 200 AMP IS THE MINIMUM RECOMMENDED SIZE FOR INDIVIDUAL SERVICE DISCONNECTS.
- SEE SO-GN5 FOR PANEL CONNECTION DETAIL WHEN INSTALLING A 120/240 VOLT 4-WIRE COMBINATION SERVICE.
- 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 2017 NEC ARTICLE 250.
- SEVERAL TYPES OF SERVICES MAY BE INSTALLED ON A GUTTER SERVICE. THE GUTTER SERVICE IS LIMITED TO 6-DISCONNECTS TOTAL. ANY OF THE SERVICE TYPES DETAILED IN C.U.'S SERVICE STANDARDS MAY BE USED FOR GUTTER SERVICE INSTALLATIONS.

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

DRAWN BY: G.GUEVARA	SERVICE OVERHEAD GUTTER SERVICE 6-DISCONNECTS MAXIMUM 1200 AMP MAXIMUM
REV BY: K.DENTON	
FILE: SO-MG62	
APPROVED: 10/29/14	REVISD: 03/12/18
	SHEET OF 2 2
	STD. NO. <b>SO-MG6</b>