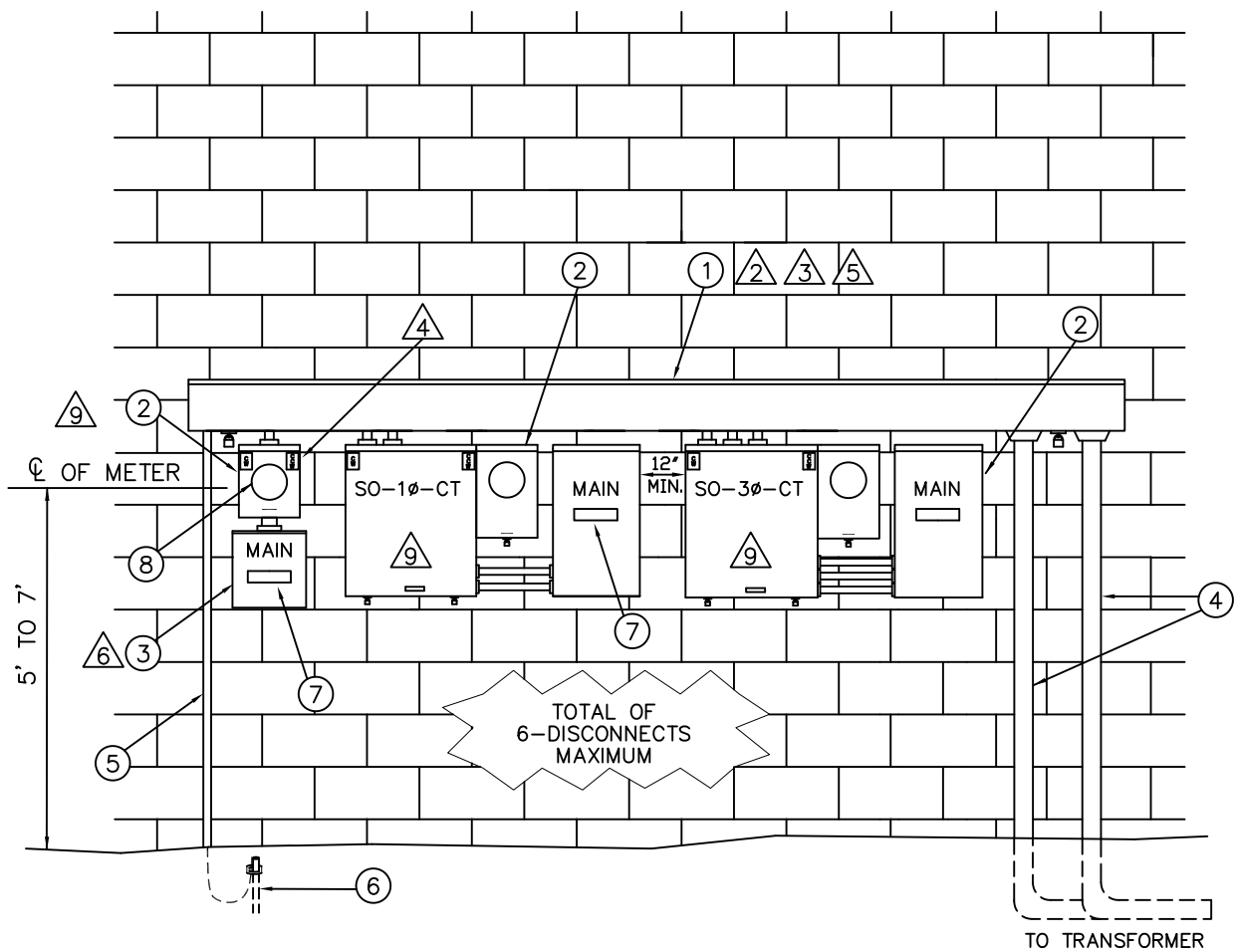


PREFERRED INSTALLATION

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 ϕ 120/240 V	OH/UG 1 ϕ 120/208 V	OH/UG 1 ϕ /3 ϕ 120/208 V	OH 1 ϕ /3 ϕ 120/240 V
COMMERCIAL	X	X	X	X
STRIP CENTER	X	X	X	X
APARTMENTS	X	X		



△	GENERAL NOTES	ELECTRICAL SERVICE STANDARD CITY UTILITIES OF SPRINGFIELD MO.		
	SEE PAGE 2 FOR NOTES	DRAWN BY: G.GUEVARA REV BY: W.BROOKS FILE: SU-MG61 APPROVED: 10/16/06	SERVICE UNDERGROUND GUTTER SERVICE 6-METERS MAXIMUM REVISED: 11/25/02	SHEET 1 OF 2 STD. NO. SU-MG6

MATERIAL LIST

QTY.	DESCRIPTION	STOCK NO.	QTY.	DESCRIPTION	STOCK NO.
	FURNISHED and INSTALLED BY CUSTOMER			FURNISHED BY CITY UTILITIES	
1.	1 GUTTER (RAINTIGHT AND HAVE PROVISION FOR LOCKING) - \triangle FOR 600 OR 800 AMP SERVICE THE MINIMUM RECOMMENDED SIZE IS 12' x 12' x LENGTH AS REQUIRED. - \triangle FOR 1000 OR 1200 AMP SERVICE THE MINIMUM RECOMMENDED SIZE IS 16' x 16' x LENGTH AS REQUIRED. - \triangle GUTTER SHALL NOT BE SMALLER THAN ALLOWED BY 2011 NEC ARTICLE 366		8.	AS REQD 4 TERMINAL METER FOR 1 ϕ 120/240 V 5 TERMINAL METER FOR 1 ϕ 120/208 V 7 TERMINAL METER FOR 1 ϕ /3 ϕ 120/240 V 7 TERMINAL METER FOR 1 ϕ /3 ϕ 120/208 V	
2.	AS REQD METER ENCLOSURE, (RAINTIGHT) 4 TERMINAL SOCKET FOR 1 ϕ 120/240 V 5 TERMINAL SOCKET FOR 1 ϕ 120/208 V 7 TERMINAL SOCKET FOR 1 ϕ /3 ϕ 120/240 V 7 TERMINAL SOCKET FOR 1 ϕ /3 ϕ 120/208 V				
3.	AS REQD SERVICE DISCONNECT (RAINTIGHT) - \triangle \triangle				
4.	AS REQD SERVICE LATERAL CONDUIT(S) AND CONDUCTORS - \triangle				
5.	AS REQD GROUNDING ELECTRODE CONDUCTOR - \triangle				
6.	AS REQD GROUNDING ELECTRODE - \triangle				
7.	AS REQD SERVICE ADDRESS TAG (PERMANENTLY ATTACHED, MINIMUM 3/8" LETTER HEIGHT)				



GENERAL NOTES

- CUSTOMER TO VERIFY SIZE AND LOCATION OF ALL SERVICE EQUIPMENT WITH CITY UTILITIES AND APPROPRIATE INSPECTION AUTHORITY BEFORE BEGINNING WORK.
- USE INSULATED TAP BARS FOR ALL CONNECTIONS IN GUTTER, EACH BAR 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 310.4.
- FOR 3 ϕ SERVICE CHECK AND TAG SERVICE TO INDICATE CLOCKWISE (CW) OR COUNTER CLOCKWISE (CCW) ROTATION AT EACH METER.
- GUTTER LENGTH SHALL ALLOW 12" MINIMUM SPACING BETWEEN METER BASES.
- FOR COMMERCIAL AND STRIP CENTER INSTALLATIONS, 200 AMP IS THE MINIMUM RECOMMENDED SIZE FOR INDIVIDUAL SERVICE DISCONNECTS.
- SEE SU-GN3 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 FOR THIS STANDARD. THIS SERVICE IS LIMITED TO 6-DISCONNECTS TOTAL. ANY OF THE SERVICE TYPES DETAILED IN C.U.'S SERVICE STANDARDS MAY BE USED FOR SERVICE INSTALLATIONS.

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

DRAWN BY:
G.GUEVARA
REV BY:
K.DENTON
FILE:
SU-MG62

SERVICE UNDERGROUND
GUTTER SERVICE
6-DISCONNECTS MAXIMUM

APPROVED: 10/29/14	REVISED: 03/30/18	SHEET 2 OF 2	STD. NO. SU-MG6
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