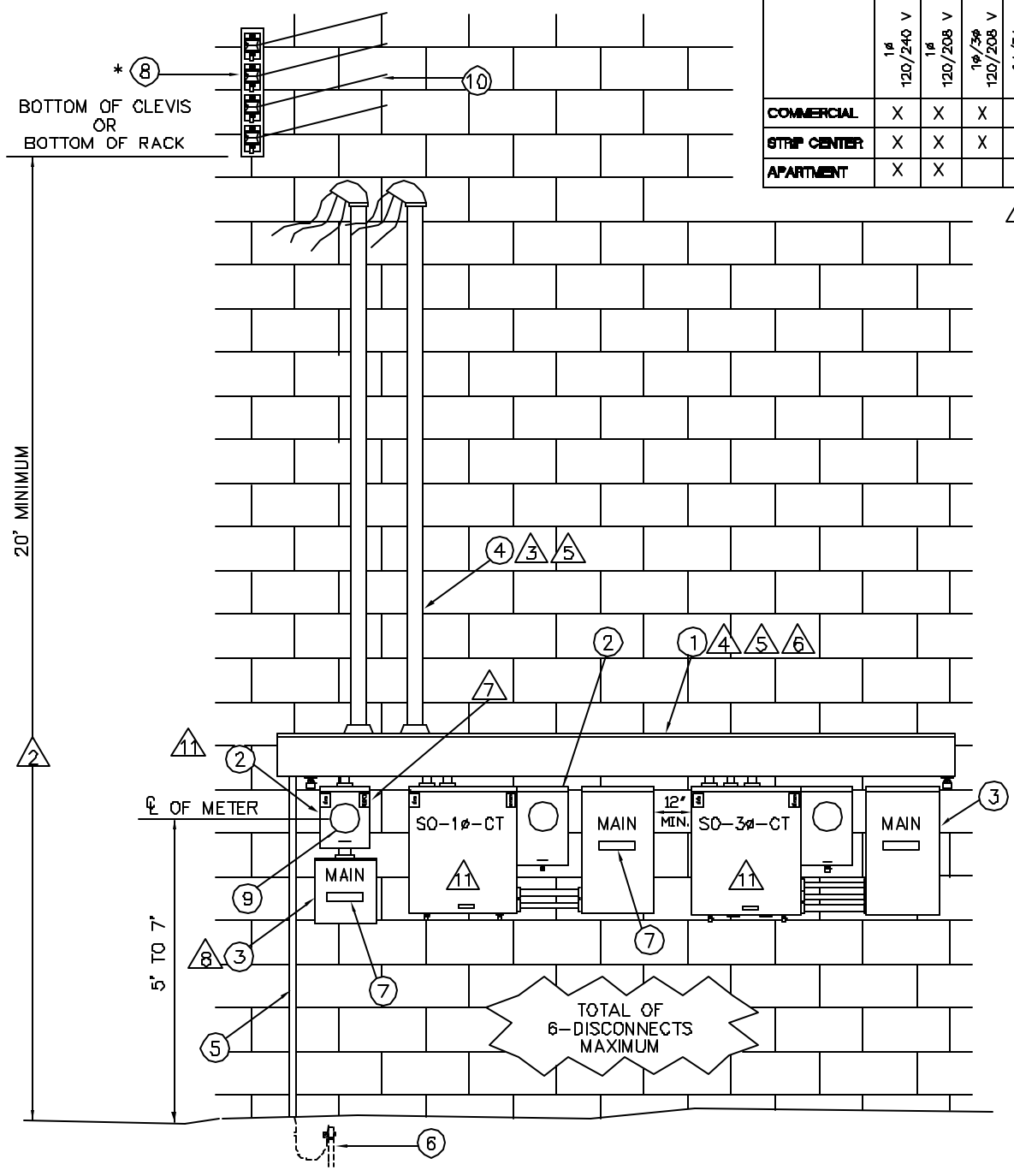


SO-MG6

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.

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
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-MG61

APPROVED:
 12/10/02

REVISD:
 11/25/02

SHEET
 OF
 1 2

STD. NO.
SO-MG6

SERVICE OVERHEAD
 GUTTER SERVICE
 6-DISCONNECTS MAXIMUM
 1200 AMP MAXIMUM

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) - Δ FOR 600 OR 800 AMP SERVICE THE MINIMUM RECOMMENDED SIZE IS 12" x 12" x LENGTH AS REQUIRED. - Δ FOR 1000 OR 1200 AMP SERVICE THE MINIMUM RECOMMENDED SIZE IS 16" x 16" x LENGTH AS REQUIRED. - Δ GUTTER SHALL NOT BE SMALLER THAN ALLOWED BY 2005 NEC ARTICLE 366		*8. AS REQD	SECONDARY BRACKET (4 - WIRE) OR 4 - CLEVIS BRACKET 3 - INSULATED SPOOL, BROWN 1 - INSULATED SPOOL, WHITE	102170 130094 130121
2.	AS REQD METER ENCLOSURE, (RAINTIGHT) 4 TERMINAL FOR 1 ϕ 120/240 V. 5 TERMINAL FOR 1 ϕ 120/208 V. 7 TERMINAL FOR 1 ϕ /3 ϕ 120/240 V. 7 TERMINAL FOR 1 ϕ /3 ϕ 120/208 V.		9. 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.	
3.	2 SERVICE DISCONNECT RRAINTIGHT - Δ Δ		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 - Δ				
6.	AS REQD GROUNDING ELECTRODE - Δ				
7.	AS REQD SERVICE ADDRESS TAG (PERMANENTLY ATTACHED), MINIMUM 3/8" LETTER HEIGHT)			* FURNISHED BY CITY UTILITIES INSTALLED BY CUSTOMER PICK UP AT 826 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 ATTACHMENT HEIGHT IS 20'.
3. 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.
4. USE INSULATED TAP BARS FOR ALL CONNECTIONS IN GUTTER. BARS SHALL HAVE AT LEAST ONE OPEN TERMINAL.
5. WHEN SERVICE ENTRANCE CONDUCTORS ARE INSTALLED AS PARALLEL RUNS, ALL CONNECTIONS SHALL BE IN ACCORDANCE WITH 2005 NEC ARTICLE 310.4.
6. GUTTER LENGTH SHALL ALLOW 12" MINIMUM SPACING BETWEEN METER BASES.
7. FOR 3 ϕ SERVICE CHECK AND TAG SERVICE TO INDICATE CLOCKWISE (CW) OR COUNTER-CLOCKWISE (CCW) ROTATION AT EACH METER.
8. FOR COMMERCIAL AND STRIP CENTER INSTALLATIONS, 200 AMP IS THE MINIMUM RECOMMENDED SIZE FOR INDIVIDUAL SERVICE DISCONNECTS.
9. SEE SO-GN6 FOR PANEL CONNECTION DETAIL WHEN INSTALLING A 120/240 VOLT 4-WIRE COMBINATION SERVICE.
10. 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.
11. 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: W.BROOKS			
FILE: SO-MG62			
APPROVED: 09/14/06	REVISED: 06/01/06	SHEET OF 2 OF 2	STD. NO. SO-MG6