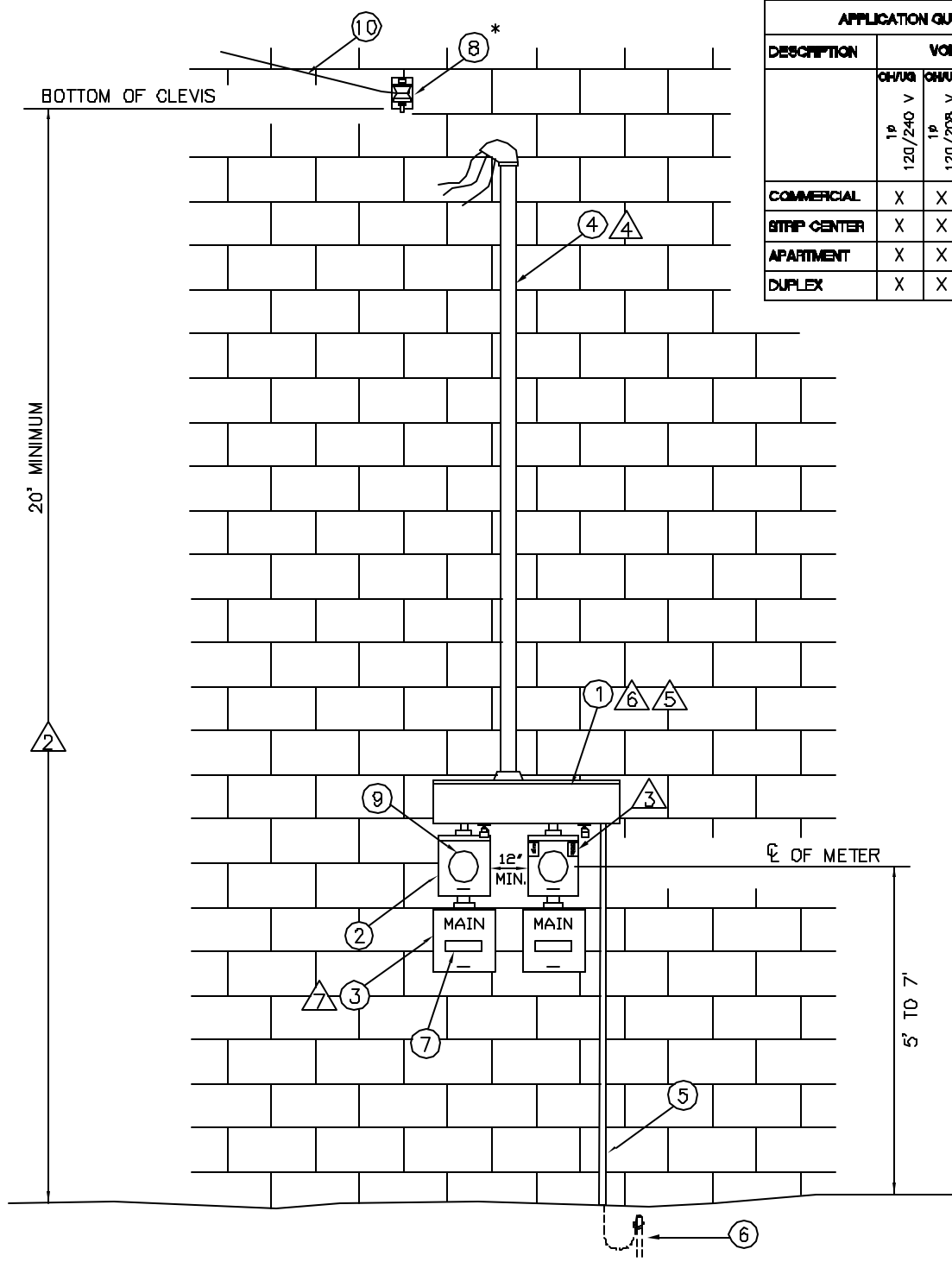


SO-MG2



DESCRIPTION	APPLICATION GUIDE			
	VOLTAGE			
	CHUG 1P 120/240 V	CHUG 1P 120/208 V	CHUG 1P/3P 120/208 V	GF 1P/3P 120/240 V
COMMERCIAL	X	X	X	X
STRIP CENTER	X	X	X	X
APARTMENT	X	X		
DUPLEX	X	X		

△ GENERAL NOTES

SEE PAGE 2 FOR NOTES

ELECTRIC SERVICE STANDARD
CITY UTILITIES OF SPRINGFIELD MO.

DRAWN BY: G.GUEVARA	SERVICE OVERHEAD 2-METER GUTTER SERVICE 400 AMP MAXIMUM		
REV BY: W.BROOKS	APPROVED: 08/19/02	REVISED: 08/19/02	STD. NO. SO-MG2
FILE: SO-MG21	SHEET OF 1 2		

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 THIS SPECIFICATION MINIMUM SIZE OF GUTTER 8' x 8' x LENGTH AS REQUIRED. THE GUTTER SHALL NOT BE SMALLER THAN ALLOWED BY NEC 366		*8. 1	INSULATED NEUTRAL CLEVIS	102183
2. 2	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.		9. 2	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. 2	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

- CUSTOMER TO VERIFY SIZE AND LOCATION OF ALL SERVICE EQUIPMENT WITH CITY UTILITIES AND APPROPRIATE INSPECTION AUTHORITY BEFORE BEGINNING WORK.
- MINIMUM ATTACHMENT HEIGHT IS 20'.
- FOR 3 ϕ SERVICE CHECK AND TAG SERVICE TO INDICATE CLOCKWISE (CW) OR COUNTER-CLOCKWISE (CCW) ROTATION AT EACH METER.
- THE SERVICE ENTRANCE CONDUITS MAY EXTEND ABOVE THE ROOF AND SUPPORT THE 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.
- 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, CONDUCTORS SHALL BE A MINIMUM OF 1/0 AWG AND ALL CONNECTIONS SHALL BE IN ACCORDANCE WITH 2005 NEC ARTICLE 310.4.
- FOR COMMERCIAL AND STRIP CENTER INSTALLATIONS, 200 AMP IS THE MINIMUM RECOMMENDED SIZE FOR INDIVIDUAL SERVICE DISCONNECTS.
- SEE SO-GN6 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 2005 NEC ARTICLE 250.

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

DRAWN BY: G.GUEVARA	SERVICE OVERHEAD 2-METER GUTTER SERVICE 400 AMP MAXIMUM		
REV BY: W.BROOKS			
FILE: SO-MG22			
APPROVED: 09/14/06	REVISED: 06/01/06	SHEET OF 2 2	BTD. NCL SO-MG2