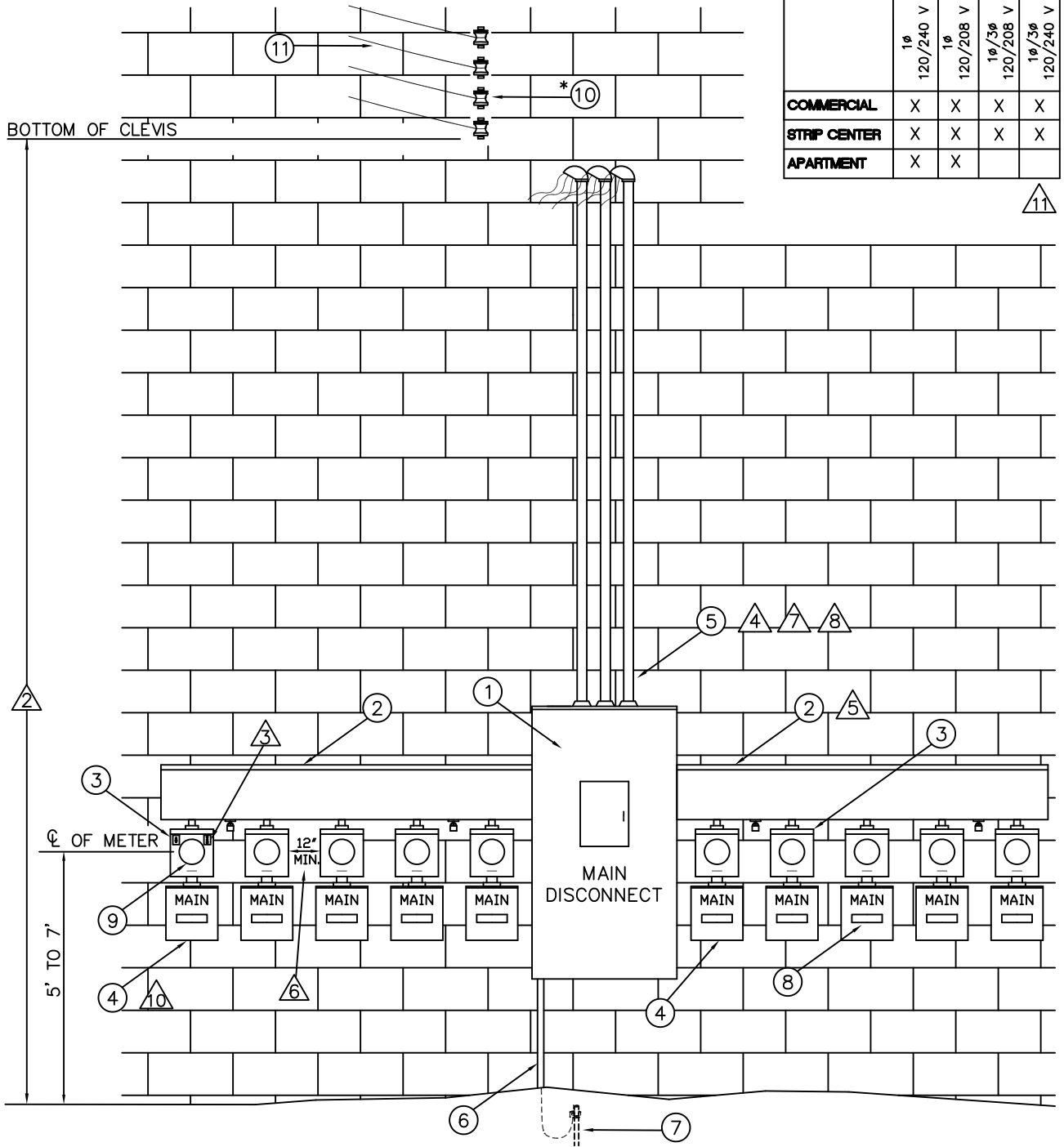


NOTE:
 THIS SERVICE MAY BE DESIGNED FOR FUTURE EXPANSION.
 IT IS INTENDED TO BE USED FOR COMMERCIAL AND STRIP CENTER
 BUILDINGS WHERE LOAD REQUIREMENTS OFTEN CHANGE TO MEET
 TENANT REQUIREMENTS.

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
APARTMENT	X	X		



△	GENERAL NOTES	ELECTRIC SERVICE STANDARD CITY UTILITIES OF SPRINGFIELD MO.			
	SEE PAGE 2 FOR NOTES	DRAWN BY: G.GUEVARA REV BY: K.DENTON FILE: SO-MGM1 APPROVED: 10/29/14	SERVICE OVERHEAD GUTTER SERVICE WITH MAIN DISCONNECT 7-24 METERS REVISED: 03/13/18	SHEET OF 1 OF 2	STD. NO. SO-MGM

MATERIAL LIST

QTY.	DESCRIPTION	STOCK NO.	QTY.	DESCRIPTION	STOCK NO.
FURNISHED and INSTALLED BY CUSTOMER			FURNISHED BY CITY UTILITIES		
1.	1 MAIN SERVICE DISCONNECT (RAINTIGHT) - Δ		9.	AS REQD 4 TERMINAL METER FOR 1 \emptyset 120/240 V. 5 TERMINAL METER FOR 1 \emptyset 120/208 V. 7 TERMINAL METER FOR 1 \emptyset /3 \emptyset 120/240 V. 7 TERMINAL METER FOR 1 \emptyset /3 \emptyset 120/208 V.	
2.	AS REQD 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 2017 NEC ARTICLE 366		*10.	AS REQD 3 - INSULATED SPOOL, BROWN 1 - INSULATED SPOOL, WHITE	130094 130121
3.	1 PER UNIT METER ENCLOSURE, (RAINTIGHT) 4 TERMINAL FOR 1 \emptyset 120/240 V. 5 TERMINAL FOR 1 \emptyset 120/208 V. 7 TERMINAL FOR 1 \emptyset /3 \emptyset 120/240 V. 7 TERMINAL FOR 1 \emptyset /3 \emptyset 120/208 V.		11.	AS REQD SERVICE DROP CONDUCTOR SIZE AND LENGTH REQUIRED	
4.	1 PER METER SERVICE DISCONNECT (RAINTIGHT) - Δ Δ (GROUPED IN ONE LOCATION)		*FURNISHED BY CITY UTILITIES INSTALLED BY CUSTOMER PICK UP AT 825 N. BELCREST		
5.	AS REQD SERVICE ENTRANCE CONDUIT(S) AND - Δ CONDUCTORS				
6.	AS REQD GROUNDING ELECTRODE CONDUCTOR - Δ				
7.	AS REQD GROUNDING ELECTRODE - Δ				
8.	AS REQD SERVICE ADDRESS TAG (PERMANENTLY ATTACHED, MINIMUM 3/8" LETTER HEIGHT)				

Δ 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.
- FOR 3 \emptyset SERVICE CHECK AND TAG SERVICE TO INDICATE CLOCKWISE (CW) OR COUNTER-CLOCKWISE (CCW) ROTATION AT EACH METER.
- 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.
- 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.
- MINIMUM 12" BETWEEN METER BASES.
- YOU MUST RECEIVE WITH PRIOR APPROVAL FROM CITY UTILITIES IF SERVICE REQUIRES MORE THAN 3 SERVICE ENTRANCE RISERS.
- WHEN SERVICE ENTRANCE CONDUCTORS ARE INSTALLED AS PARALLEL RUNS, ALL CONNECTIONS SHALL BE IN ACCORDANCE WITH 2017 NEC ARTICLE 310.1H.
- THE GUTTER SHALL BE LONG ENOUGH TO ALLOW 12" MINIMUM SPACING BETWEEN METER BASES.
- FOR THIS TYPE OF SERVICE 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.

ELECTRIC SERVICE STANDARD CITY UTILITIES OF SPRINGFIELD MO.			
DRAWN BY: G.GUEVARA		SERVICE OVERHEAD GUTTER SERVICE WITH MAIN DISCONNECT 7-24 METERS	
REV BY: K.DENTON			
FILE: SO-MGM2			
APPROVED: 10/29/14	REVISED: 03/13/18	SHEET OF 2 2	STD. NO. SO - MGM