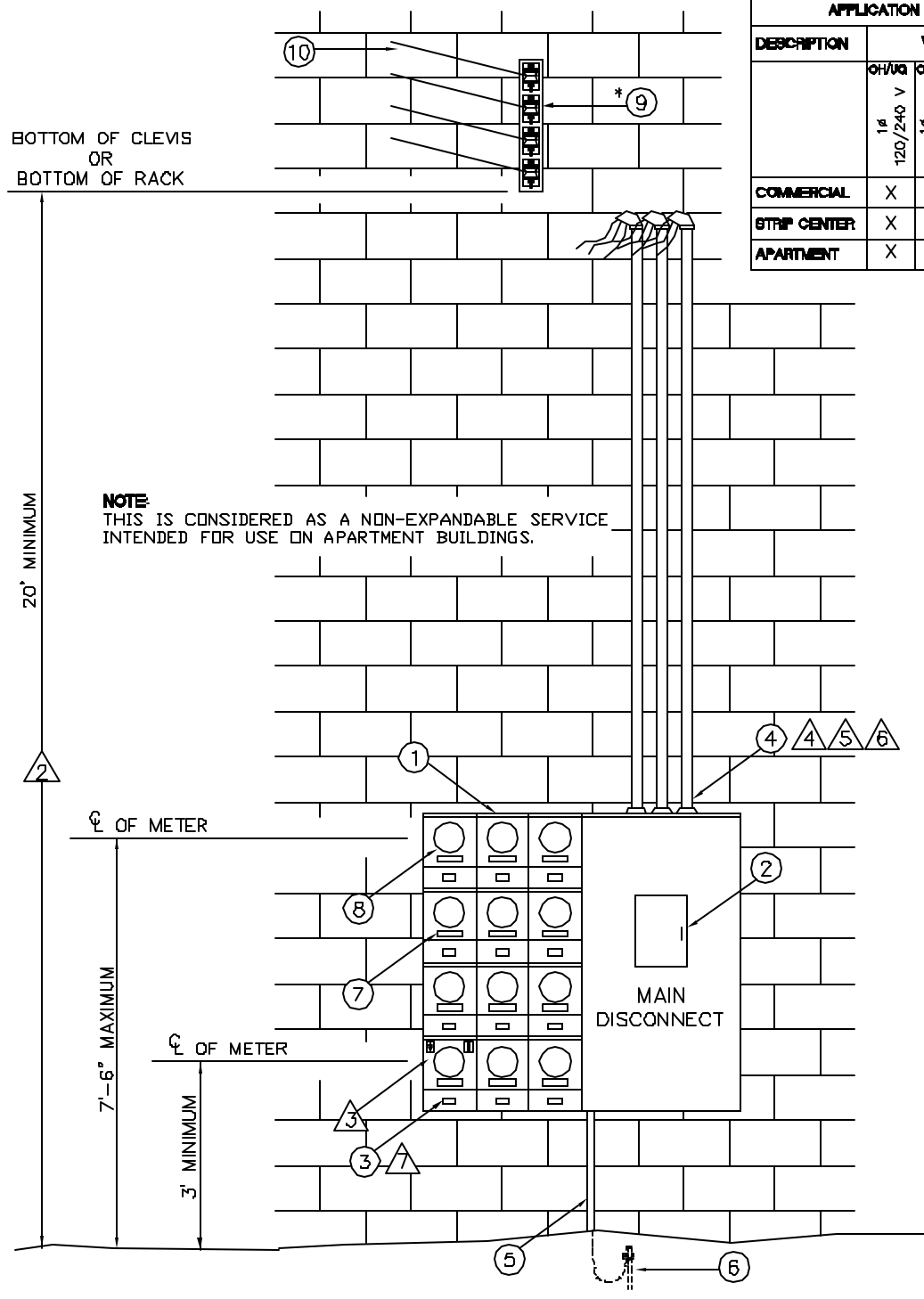


# SO-MSM



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		

**NOTE:**  
THIS IS CONSIDERED AS A NON-EXPANDABLE SERVICE  
INTENDED FOR USE ON APARTMENT BUILDINGS.

△ GENERAL NOTES  SEE PAGE 2 FOR NOTES	<b>ELECTRIC SERVICE STANDARD CITY UTILITIES OF SPRINGFIELD MO.</b>			
	DRAWN BY: G.GUEVARA	SERVICE OVERHEAD METER STACK SERVICE WITH MAIN DISCONNECT 7-24 METERS		
REV BY: W.BROOKS				
FILE: SO-MSM1	APPROVED: 08/19/02	REVISED: 08/19/02	SHEET OF 1 OF 2	STA. NO. <b>SO-MSM</b>

**MATERIAL LIST**

QTY.	DESCRIPTION	STOCK NO.	QTY.	DESCRIPTION	STOCK NO.
<p><b>FURNISHED AND INSTALLED BY CUSTOMER</b></p>			<p><b>FURNISHED BY CITY UTILITIES</b></p>		
1. AS REQD	METER STACK (RAINTIGHT, SEALABLE) 7 TO 24 METER BASES, AMP RATING OF BUSS, SIZED AS REQUIRED - $\Delta$ 4 TERMINAL SOCKET FOR 1 $\phi$ 120/240 V. 5 TERMINAL SOCKET FOR 1 $\phi$ 120/208 V. 7 TERMINAL SOCKET FOR 1 $\phi$ /3 $\phi$ 120/240 V. 7 TERMINAL SOCKET FOR 1 $\phi$ /3 $\phi$ 120/208 V.		B. 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.	
2. 1	MAIN SERVICE DISCONNECT (RAINTIGHT), AMP RATING OF BUSS, SIZED AS REQUIRED - $\Delta$		*B. AS REQD	SECONDARY BRACKET (4 - WIRE) OR 4 - CLEVIS BRACKET 3 - INSULATED SPOOL, BROWN 1 - INSULATED SPOOL, WHITE	102170 130094 130121
3. 1 PER METER	MAIN BREAKER (ONE FOR EACH METER) - $\Delta$ $\Delta$		10. AS REQD	SERVICE DROP CONDUCTOR SIZE AND LENGTH REQUIRED	
4. AS REQD	SERVICE ENTRANCE CONDUIT(S) AND CONDUCTORS - $\Delta$				
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)				
				<p><b>*FURNISHED BY CITY UTILITIES INSTALLED BY CUSTOMER PICK UP AT 825 N. BELCREST</b></p>	

**GENERAL NOTES**

- CUSTOMER TO VERIFY SIZE AND LOCATION OF ALL SERVICE EQUIPMENT WITH CITY UTILITIES AND APPROPRIATE INSPECTION AUTHORITY BEFORE BEGINNING WORK.
- MINIMUM HEIGHT IS 20'.
- FOR 3 $\phi$  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.
- YOU MUST RECEIVE 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 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 METER STACK SERVICE WITH MAIN DISCONNECT 7-24 METERS		
REV BY: W.BROOKS			
FILE: SO-MSM2			
APPROVED: 09/14/06	REVISED: 06/01/06	SHEET OF 2 2	STD. NO. <b>SO - MSM</b>