



LOAD MANAGEMENT METER SOCKET  
 LOCATED OUTSIDE  
 4-6FT ABOVE  
 GROUND LEVEL  
 CALL DEA ENERGY SERVICES  
 AFTER WIRING IS COMPLETED TO  
 SCHEDULE METER INSTALLATION

SOCKET & LCR  
 W77550000

ELECTRICAL PANEL  
 PIPE CONNECTION  
 PREFERRED

INSTALL IN CONDUIT

TO NEUTRAL  
 IN PANEL

SEPERATE NEUTRAL  
 IN PANEL  
 WHITE

WATER HEATER  
 240 VAC

TO WATER  
 HEATER #1

WATER HEATER  
 240 VAC

TO WATER  
 HEATER #2

METER & CONTROL  
 240 VAC

CT CABINET #81960000

NOTES:

1. ALL WIRING SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRICAL CODE (NEC), AND LOCAL REGULATIONS.
2. METER SOCKET MUST HAVE BYPASS TO SHUNT CT WHEN METER IS REMOVED.
3. CT MUST BE GROUNDED AT ELECTRICAL PANEL.
4. LABEL OFF PEAK CONTROL BREAKER.

DAKOTA ELECTRIC ASSOCIATION		
GUIDE DRAWING		SUB METERED-TWO WATER HEATERS
THIS DRAWING WAS DEVELOPED FOR A TYPICAL INSTALLATION AND MAY NOT BE APPLICABLE TO ALL INSTALLATIONS CONSULT AN EXPERT FOR FINAL INSTALLATION DESIGN		CLASS 1 / DIV 1-8
OWNER	ENG MANAGER	NO.
DATE	04/15/12	DIA-6