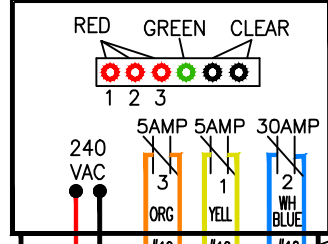


LOAD CONTROL RECEIVER



LOW VOLTAGE CONTROL FOR AC-HEAT PUMP (SEE DIA-7A)

LOW VOLTAGE BOILER CONTROL

WATER HEATER CONTROL WIRE

LOAD MANAGEMENT METER SOCKET

SOCKET & LCR W77550000

LOCATED OUTSIDE 4-6FT ABOVE GROUND LEVEL

CALL DEA ENERGY SERVICES AFTER WIRING IS COMPLETED TO SCHEDULE METER INSTALLATION

OUTSIDE

INSIDE

INSTALL IN CONDUIT

ELECTRICAL PANEL

PIPE CONNECTION PREFERRED

TO NEUTRAL IN PANEL

WHITE

ELEC. BOILER CIRCUIT 240 VAC

AØ

BØ

TO BOILER

A/C 240 VAC

AØ

BØ

TO A/C COMPRESSOR

WATER 240 VAC HEATER

AØ

BØ

TO WATER HEATER

METER & CONTROL 240 VAC

AØ

BØ

#12 AWG.

CT CABINET W81940000

RED

BLUE

WHITE

RED

BLUE

RED

BLUE

BLACK

RED

BLACK

RED

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

THIS DRAWING WAS DEVELOPED FOR A TYPICAL INSTALLATION AND MAY NOT BE APPLICABLE TO ALL INSTALLATIONS CONSULT AN EXPERT FOR FINAL INSTALLATION DESIGN

SUB METERED-WATER HEATER, A/C AND ELEC. BOILER

CLASS / DIV 1-8

OWNER ENG. MANAGER
DATE 04/15/12

NO. DIA-10D