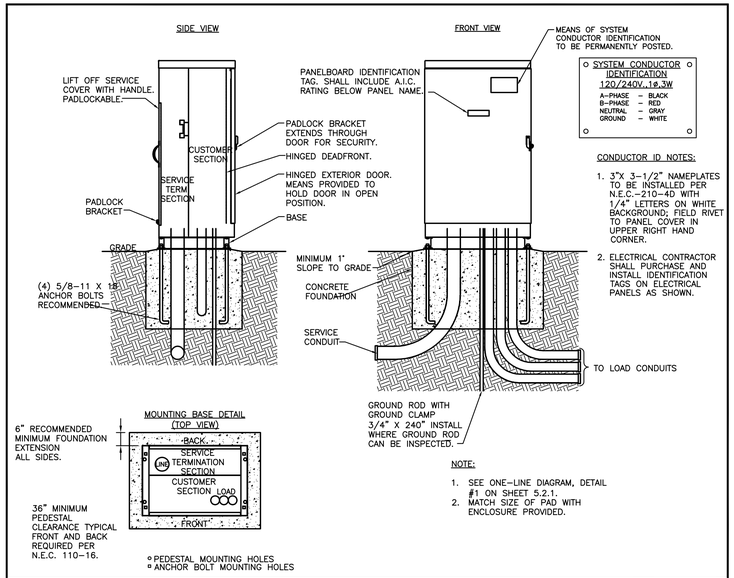


SYSTEM CONDUCTOR IDENTIFICATION
120/240V, 1Ø,3W

A-PHASE	- BLACK
B-PHASE	- RED
NEUTRAL	- GRAY
GROUND	- WHITE

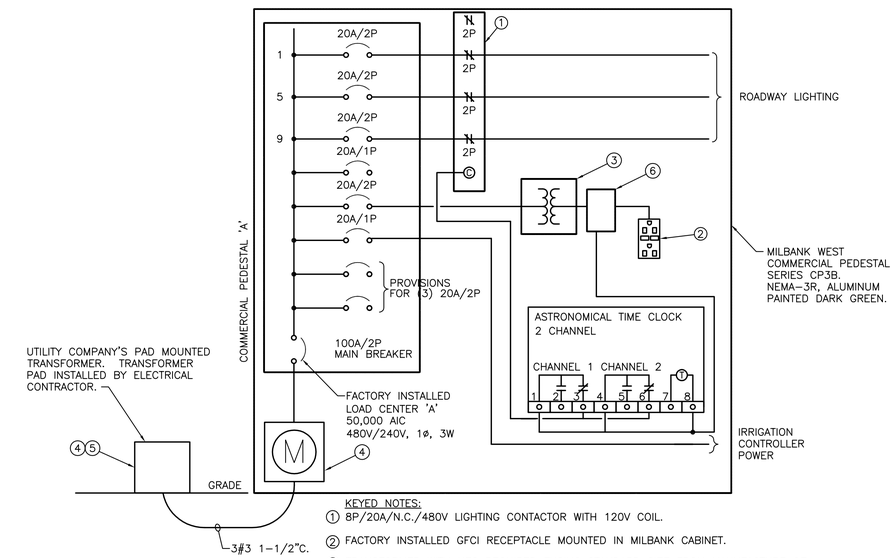
CONDUCTOR ID NOTES:

1. 3"X 3-1/2" NAMEPLATES TO BE INSTALLED PER N.E.C.-210-4D WITH 1/4" LETTERS ON WHITE BACKGROUND; FIELD RIVET TO PANEL COVER IN UPPER RIGHT HAND CORNER.
2. ELECTRICAL CONTRACTOR SHALL PURCHASE AND INSTALL IDENTIFICATION TAGS ON ELECTRICAL PANELS AS SHOWN.

NOTE:

1. SEE ONE-LINE DIAGRAM, DETAIL #1 ON SHEET 5.2.1.
2. MATCH SIZE OF PAD WITH ENCLOSURE PROVIDED.

1 NO SCALE **COMMERCIAL PEDESTAL INSTALLATION DETAIL**



NOTE: NEUTRAL AND GROUNDS NOT SHOWN FOR CLARITY. SEE DETAIL 2/E1 FOR SYSTEM GROUNDING DETAIL.

SEQUENCE OF OPERATIONS:

CHANNEL 1: ROADWAY LIGHTING: ENERGIZE AT DUSK
DE-ENERGIZE AT DAWN.
CHANNEL 2: SPARE

KEYED NOTES:

1. 8P/20A/N.C./480V LIGHTING CONTACTOR WITH 120V COIL.
2. FACTORY INSTALLED GFCI RECEPTACLE MOUNTED IN MILBANK CABINET.
3. TRANSFORMER WITH NEC REQUIRED FUSING STANDARD SIZE FROM MANUFACTURE OF PEDESTAL. SIZE FUSES AND TRANSFORMER TO MATCH TIMER AND COIL.
4. UTILITY COMPANY INTERFACE, TRANSFORMER AND METER. VERIFY AND SATISFY ALL REQUIREMENTS WITH UTILITY COMPANY.
5. CONTRATOR SHALL VERIFY AND SATISFY ALL REQUIREMENTS WITH UTILITY COMPANY.
6. 6 CIRCUIT 240/120V LOAD CENTER.

2 NO SCALE **WIRING DIAGRAM FOR ELECTRICAL CABINET 'A'**

PEDESTAL DESIGNED AROUND:
CP3B5181XK42ADGSP_
480/277V 3PH 4W 42KAIC
200A RINGLESS MTR SOCKET W/LEVER BYPASS - FUSED
100A 3P MAIN CIRCUIT BREAKER
30 CIRCUIT PANELBOARD
(4) 20A 2P CIRCUIT BREAKERS - LTG
(1) 20A 1P CIRCUIT BREAKERS - CONTROL
(1) 15A 2P CIRCUIT BREAKER - TRANSFORMER
LTG CONTACTOR
(1) 20A 8P CONTACTOR - FUSED
TIME CLOCK
(1) INTERMATIC ET70215C 2 CHANNEL ASTRONOMICAL
TRANSFORMER
(1) 5KVA 480 PRI - 120/240 SEC
6 CIRCUIT LOAD CENTER
(1) 40A 2P MAIN CIRCUIT BREAKER - BACK FED
(1) 20A 1P CIRCUIT BREAKER - GFCI RECPT
(1) 20A 1P CIRCUIT BREAKER - IRRIGATION
RECEPTACLE
(1) 120V 20A GFCI DEAD FRONT MOUNTED
ALUMINUM ENCLOSURE PAINTED RAL 6005 DARK GREEN
WITH CP-32PDMNT PAD MOUNT BASE 32 IN

3 NO SCALE **TYPICAL TRENCH TRENCH CROSS SECTION**

MKEC ENGINEERING CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, KS. 67206
316 - 684 - 9600

LANDSCAPE, LIGHTING, & IRRIGATION
BERKELEY SQUARE FIRST ADDITION
HOME BANK & TRUST ADDITION

ELECTRICAL DETAILS
SHEET TITLE

472-85039
PROJECT NUMBER

MKEC / JJW / BWB
DESIGNED DRAWN CHECKED

ISSUED
FEBRUARY 2012
REVISED

SHEET NO.
7 of 8

J:\CIVIL\10572 - BERKELEY SQUARE\DWG\ELEC\DETAILS_2.DWG

PLOTTED: Monday, February 20, 2012 @ 11:54AM