

TO UTILITY COMPANY
POWER LINE

100 AMP DISCONNECT SWITCH
MOUNTED ON OUTSIDE OF CABINET.

MAIN
BREAKER

TIME
CLOCK

MOTOR

NEUTRAL BAR (N)

SERVICE
GROUND

ALL NIGHT
CONTACTOR

MIDNIGHT
CONTACTOR

FUSE

BLACK → 3#14 THHN
N → STRANDED WIRES
RED → TO PHOTO CONTROL

LOCATE PEC ON
NEAREST LUMINAIRE

HAND-OFF-AUTO
3 POSITION SWITCH

AN
FIELD
FEED
PHASE A

AN
FIELD
FEED
PHASE B

MN
FIELD
FEED
PHASE A

MN
FIELD
FEED
PHASE B

60 AMP AN CONTACTOR: 48 AMP MAX. LOAD
30 AMP MN CONTACTOR: 24 AMP MAX. LOAD

60 AMP CONTACTOR FOR #6 WIRE
100 AMP CONTACTOR FOR #4 WIRE

NOTE:

CONTRACTOR SHALL CONNECT CIRCUIT WIRING IN SUCH A
MANNER TO BALANCE THE LOAD BETWEEN PHASE A AND B
AS CLOSE AS POSSIBLE AND AS DIRECTED BY THE ENGINEER.

2004

CITY OF MADISON TRAFFIC ENGINEERING DIVISION
120V STREET LIGHT CONTROL PANEL ELECTRICAL SERVICE DETAIL
STANDARD DETAIL DRAWING 6.08