NEMA 4X STAINLESS STEEL ENCLOSURE
GROUND MOUNTED

NEW LIGHTING CONTROLLER BOX
PROVIDED AND INSTALLED BY
LIGHTING CONTRACTOR.

COIL FOR ELECTRICALLY OPERATED
AND MECHANICALLY HELD LIGHTING
CONTACTOR

ASTRONOMIC TIMER WITH 24 HOUR
BATTERY BACKUP (PROVIDES INPUT
TO CONTROL LIGHTS)

NOTES

1. PROVIDE AND INSTALL ALL EQUIPMENT
   SHOWN FOR LIGHTING CONTROL.

2. COORDINATE WITH AEP/PSO UNDERGROUND
   FEED FOR CONTROLLERS AND PROVIDE
   ANY TRENCHING AND CONDUIT NOT
   PROVIDED BY PSO FOR CONTROLLERS.

3. INSTALL ON BOX, TVSS IN NEMA 4X
   ENCLOSURE, TVSS TO HAVE VISIBLE
   INDICATING LIGHTS TO SHOW PROPER
   OPERATION AND FAULT.

4. DETAIL SHOWS 240V LIGHTS.
   120V LIGHTS ARE ALSO ACCEPTABLE.

5. ALL CIRCUITS TO BE SIZED PER NEC
   FOR AMPERAGE AND VOLTAGE DROP
   AND NUMBER OF CIRCUITS, NO WIRE
   SMALLER THAN #12 IS TO BE USED.
   ALL CIRCUITS TO CONTAIN A SEPARATE
   GREEN GROUND CONDUCTOR.

6. BOND ENCLOSURE TO GROUND BUS WITH
   #10 AWG WIRE.

PROVIDE BURIED 3" PVC CONDUIT WITH
CONDUCTORS FROM AEP-PSO TRANSFORMER
POLE OR VAULT TO PANEL, METER TO BE
INSTALLED ON PANEL. PANEL TO HAVE
HINGED, LOCKABLE DOOR. SERVICE IS TO BE
240/120V SINGLE PHASE 100A SERVICE.
CONTRACTOR TO COORDINATE WITH AEP-PSO
AND PROVIDE ALL LABOR AND MATERIAL NOT
PROVIDED BY AEP-PSO.

8' X 5/8" COPPER CLAD
STEEL GROUND ROD WITH
#6 AWG WIRE BONDED AND
CONNECTED TO GROUND BUS
IN ELECTRICAL PANEL.

LIGHTING CONTROLLER DETAIL AND SCHEMATIC

STREET LIGHT STANDARD
LIGHTING CONTROLLER AND SCHEMATIC

CITY OF TULSA, OKLAHOMA
ENGINEERING SERVICES DEPARTMENT

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