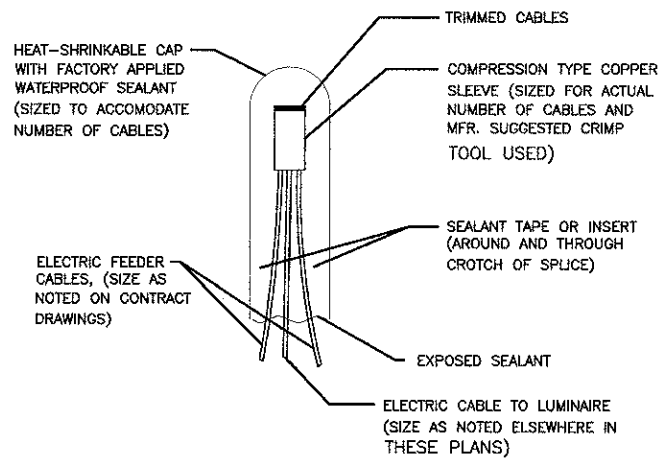


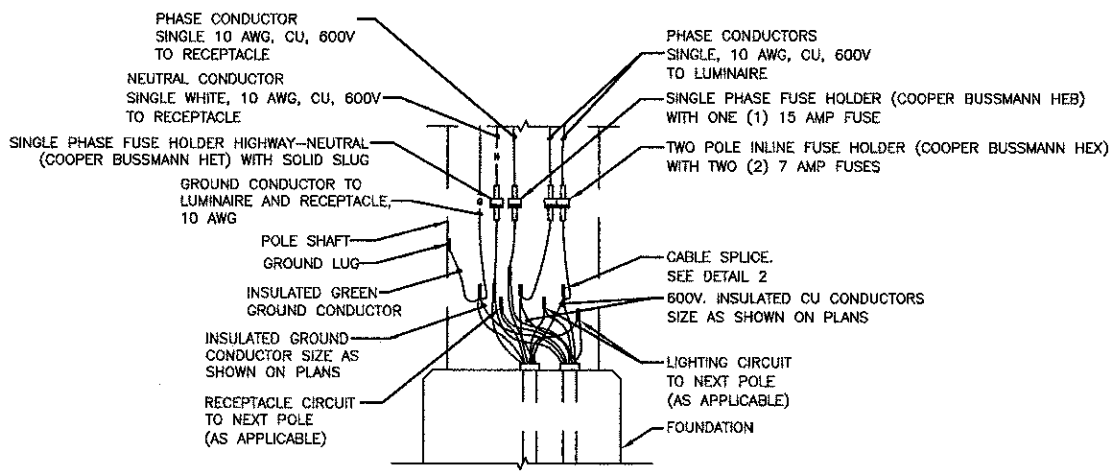
1. CONTROLLER FOUNDATION
NO SCALE



2. SPLICING ELECTRIC CABLES
NO SCALE

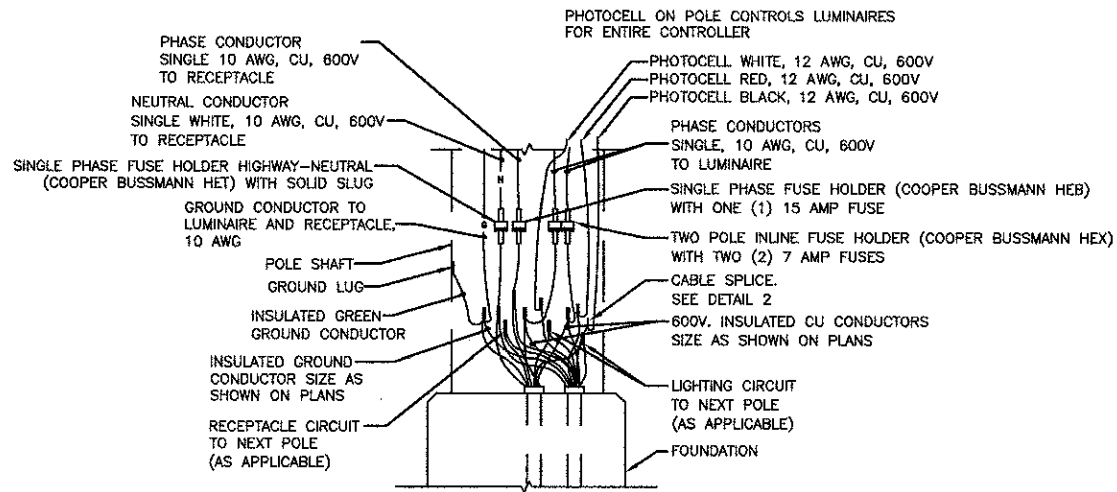
2. BASIC MATERIALS AND METHODS
NO SCALE

- NOTES:
1. THE NUMBER OF CABLES IN SPLICE MAY VARY



3. POLE BASE WIRING DIAGRAM
NO SCALE

- NOTES:
1. REFER TO LOAD TABLE FOR PHASE CONDUCTOR CABLE COLOR
2. ALL FUSE HOLDERS SHALL INCLUDE BOOTS (COOPER BUSSMANN)



4. POLE BASE WIRING DIAGRAM WITH PHOTOCELL
NO SCALE

- NOTES:
1. REFER TO LOAD TABLE FOR PHASE CONDUCTOR CABLE COLOR
2. ALL FUSE HOLDERS SHALL INCLUDE BOOTS (COOPER BUSSMANN)

- GENERAL LIGHTING NOTES:**
1. THE OWNER OF THE PROPOSED LIGHTING SYSTEM SHALL BE THE VILLAGE OF MOUNT PROSPECT.
 2. ALL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE, THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, AND ANY APPLICABLE LOCAL CODES. IF DISCREPANCIES EXIST THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER TO DETERMINE THE PROPER COURSE OF ACTION.
 3. THE EXACT LOCATIONS OF ALL UTILITIES SHALL BE VERIFIED BY THE CONTRACTOR BEFORE INSTALLATION OF ANY COMPONENT OF THE LIGHTING SYSTEM. FOR THE LOCATIONS OF THE UTILITIES, CALL JULIE TOLL FREE AT 1-800-892-0123. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE EXISTING TRAFFIC SIGNAL CABLES AND CONDUITS.
 4. CARE SHALL BE TAKEN NOT TO DAMAGE ANY OF THE EXISTING TRAFFIC SIGNAL CONDUITS, DETECTORS, AND EQUIPMENT. IF ANY OF THE TRAFFIC SIGNAL CONDUIT AND/OR EQUIPMENT IS DAMAGED, THE CONTRACTOR SHALL REPAIR AND/OR REPLACE THE CONDUIT AND/OR EQUIPMENT AT NO COST TO THE COUNTY, STATE, OR VILLAGE.
 5. ALL PROPOSED LIGHT POLES SHALL SATISFY IDOT'S MINIMUM SETBACK REQUIREMENTS OF 3 FEET FOR FRANGIBLE POLES AND 7 FEET FOR NON-FRANGIBLE POLES, MEASURED FROM THE FACE OF CURB TO THE CENTER OF THE LIGHT POLE.
 6. THE CONTRACTOR SHALL MARK THE PROPOSED LOCATIONS OF ALL LIGHT POLES AND CONTROLLERS FOR VERIFICATION AND APPROVAL BY THE ENGINEER, PRIOR TO STARTING WORK.
 7. IF LIGHTS ARE POSITIONED NEAR OVERHEAD UTILITIES, THE CONTRACTOR SHALL CONTACT THE LOCAL UTILITY FOR LOCATION APPROVAL.
 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE ESTABLISHMENT OF FINISHED GRADE. THE RESIDENT ENGINEER MAY ASSIST THE CONTRACTOR, AS APPLICABLE, BUT THE RESPONSIBILITY FOR COORDINATING THE FINISHED GRADE ELEVATION WITH THE TOP OF THE FOUNDATION HEIGHTS SHALL REMAIN WITH THE CONTRACTOR.
 9. CONTRACTOR SHALL COORDINATE ALL SERVICE CONNECTIONS WITH THE LOCAL UTILITY COMPANY.
 10. THE ELECTRICAL SUPPLY SHALL BE A PROPERLY GROUNDED AC SYSTEM.

11. ALL PROPOSED LIGHT FIXTURES SHALL BE EQUIPPED WITH HOUSE SIDE SHIELDS.
12. ALL FOUNDATIONS SHALL BE EQUIPPED WITH A GROUNDING ROD.
13. GROUNDING CONNECTIONS AT THE FOUNDATIONS SHALL BE EXOTHERMICALLY WELDED, AS SPECIFIED, AND SHALL BE INSPECTED AND APPROVED BY THE RESIDENT ENGINEER PRIOR TO POURING THE FOUNDATION.
14. THE EQUIPMENT GROUNDING CONDUCTOR (GREEN WIRE) SHALL BE INSULATED.
15. THE GROUNDING CONDUCTOR SHALL EXTEND CONTINUOUSLY WITH ALL CIRCUIT CONDUCTORS
16. THE GROUNDING CONDUCTOR SHALL BE SPLICED AND BONDED AT EACH POLE.
17. ALL CONDUCTORS AND EQUIPMENT SHALL HAVE PROPER OVERCURRENT PROTECTION. OVERCURRENT PROTECTION SHALL BE PROVIDED FOR EACH LUMINAIRE AND ITS ASSOCIATED BRANCH CIRCUIT THROUGH THE USE OF POLE BASE FUSING. ALL POLE BASE FUSES SHALL BE COPPER BUSSMANN, AS SPECIFIED, SIZED FOR ASSOCIATED LINE/LOAD TERMINAL CONNECTIONS.
18. UPON COMPLETION OF THE PERMANENT LIGHTING SYSTEM, THE CONTRACTOR SHALL REQUEST IN WRITING A PREFINAL INSPECTION. A MINIMUM OF THREE DAYS NOTICE SHALL BE GIVEN TO THE VILLAGE OF MOUNT PROSPECT. UPON COMPLETION OF INSPECTION AND APPROVAL OF WORK, THE VILLAGE SHALL TAKE MAINTENANCE OF THE LIGHTING SYSTEM.
19. THE PROPOSED LIGHTING SYSTEM SHALL BE TESTED ACCORDING TO ART. 801.13 OF THE STANDARD SPECIFICATIONS, PRIOR TO THE FINAL INSPECTION.
20. THE CABLE IDENTIFICATION LABELS SHALL BE WEATHER AND UV RESISTANT.
21. THE PROPOSED LIGHTING SYSTEM SHALL HAVE LABELS INSTALLED ACCORDING TO ARTICLE 1069.06.