

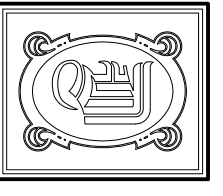
**ELECTRICAL LIGHTING PLAN**  
SCALE 3/16" = 1'



- LEGEND**
- 2x4' FLUORESCENT LIGHT (128W)
  - CAN LIGHT (90W)
  - SURFACE MTD. FIXTURE (100W)
  - EXHAUST VENTLIGHT COMBO (100W)
  - EMERGENCY LIGHT W/ 90 MIN. BATTERY BACKUP (12W)
  - LOW LEVEL MOUNTED EXIT LIGHT/SIGN W/90 MIN. BATTERY BACKUP (10W)
  - EMERGENCY LIGHT COMBO W/ 90 MIN. BATTERY BACKUP AND REMOTE (12W)
  - 3 BULB LIGHT BAR (60W EA BULB)
  - DIRECTIONAL TRACK STAGE LIGHTING 400W PER FIXTURE (1200W TOTAL)
  - EXTERIOR WEATHERPROOF WALL MOUNTED LIGHT W/ 90 MIN. BATTERY BACKUP (100W)
  - EXTERIOR WEATHERPROOF CAN LIGHT (90W)
  - EXTERIOR WEATHERPROOF CAN LIGHT W/ 90 MIN. BATTERY BACKUP (90W)
  - JUNCTION BOX
  - SWITCH
  - 3-WAY SWITCH
  - 4-WAY SWITCH
  - POWER PANEL

**ELECTRICAL NOTES**

1. ALL WORK SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE, THE NATIONAL ELECTRICAL CODE AND ALL OTHER INSPECTION DEPARTMENTS HAVING JURISDICTION OVER THE WORK.
2. ALL MATERIALS FURNISHED SHALL BE NEW AND SHALL BE U.L. LISTED.
3. THE DRAWINGS INDICATE SIZE AND GENERAL LOCATION OF WORK. SCALE DIMENSIONS SHALL NOT BE USED. THE EXACT LOCATION AND LOCATION OF ALL LIGHTING FIXTURES, RECEPTACLES AND TELEPHONE OUTLETS, ETC. SHALL BE DETERMINED BY ACTUAL CONDITIONS IN THE FIELD.
4. PRIOR TO BIDDING CONTRACTOR SHALL VISIT THE JOB SITE AND FAMILIARIZE THEMSELVES WITH THE EXISTING CONDITIONS.
5. ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES AND WITH OTHER CONTRACTORS WHOSE WORK MAY AFFECT THIS INSTALLATION.
6. ELECTRICAL CONTRACTOR SHALL COORDINATE INCOMING ELECTRICAL SERVICE WITH UTILITY COMPANY AND INCLUDE IN HIS BID ALL CHARGES AND FEES INCURRED IN MODIFICATIONS.
7. WHERE MORE THAN ONE SWITCH OCCURS IN THE SAME LOCATION, THEY SHALL BE INSTALLED IN THE SAME ELECTRICAL BOX.
8. THE ELECTRICAL CONTRACTOR SHALL OBTAIN THE TELEPHONE INSTALLATION WITH THE TELEPHONE COMPANY AND THE GENERAL CONTRACTOR.
9. ELECTRICAL CONTRACTOR, BEFORE INSTALLING ANY OF THE WORK, SHALL SEE THAT IT DOES NOT INTERFERE WITH CLEARANCES REQUIRED FOR FINISHED COLUMNS, HANG CEILINGS, PLASTER, PARTITIONS, WALLS, ETC. AS SHOWN IN THE ARCHITECTURAL DRAWINGS AND DETAILS. IF ANY WORK IS INSTALLED AND IT INTERFERES WITH SUCH DETAILS OR DESIGN CANNOT BE FOLLOWED, THE ELECTRICAL CONTRACTOR SHALL OBTAIN THE APPROVAL OF THE ARCHITECT, AS WELL AS TO PERMIT THE INSTALLATION OF THE ARCHITECTURAL WORK AS SHOWN ON THE PLANS AND DETAILS.
10. PERFORM TEST REQUIRED BY THE OWNER OR THE ENGINEER IN CONNECTION WITH THE OPERATION OF THE ELECTRICAL SYSTEM IN THE BUILDING.
11. ALL TESTS SHALL BE MADE IN ACCORDANCE WITH THE LATEST STANDARD OF THE IEEE AND THE NATIONAL ELECTRICAL CODE.
12. MINIMUM CONDUCTOR SIZE SHALL BE #12, 600V INSULATION. MINIMUM SIZE CONDUIT SHALL BE 1/2" RIGID ALUMINUM OR P.V.C. SCHEDULE 40. FOR EXTERIOR USE.
13. USE THE NMC CABLE COPPER, AND 3/4" RIGID ALUMINUM OR P.V.C. SCHEDULE 40. FOR EXTERIOR USE. BE CAST BOXES AND COVERS. INTERIOR FITTINGS SHALL BE CAST WHERE EXPOSED ON WALLS. STAMPED BOXES MAY BE USED ABOVE CEILINGS IN AIR CONDITIONED SPACES, WHERE LAY IN FIXTURES ARE IN USE. USE 1/4" 2 ALUMINUM FOR 8" WIDTH.
14. ACTUALLY INSTALLED.
15. INSTALL WIRING AND OTHER CIRCUIT COMPONENTS TO MATCH EQUIPMENT.
16. INSTALL GROUND FAULT RECEPTACLES AT RECEPTACLE LOCATIONS WITHIN 5' OF SINKS OR LAVATORIES, AND AT EXTERIOR LOCATIONS. EXTERIOR RECEPTACLES SHALL ALSO BE WEATHERPROOF.
17. BONDING AND GROUNDING SHALL BE IN ACCORDANCE WITH NFPA 70:230-63, NFPA 250-23, 250-71 & 250-72.
18. NEUTRAL IN ACCORDANCE WITH NFPA 70:250-23.
19. FLOOR SHALL BE FIT CLASS OF 250 VOLT 2000 010 AMPER INTERRUPTING CAP.
20. PROVIDE SERVICES OF A FIREWORK DETECTION AND ALARM COMPANY TO DESIGN AND INSTALL ALARM SYSTEM TO MEET REQUIREMENTS OF THE STATE FIRE MARSHAL.
21. EXTERIOR LIGHTING SHALL BE SHADDED OR INWARDLY DIRECTED IN SUCH A MANNER SO THAT NO DIRECT LIGHTING OR GLARE IS CAST BEYOND THE PROPERTY LINE. THE INTENSITY OF SUCH LIGHTING SHALL NOT EXCEED ONE FOOT CANDLE AS MEASURED AT THE READING PROPERTY LINE.
22. ALL LIGHTING SHALL BE INSTALLED IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC) AND ALL APPLICABLE REGULATIONS THROUGHOUT CONSTRUCTION SHALL BE SEALED WITH A MATERIAL CAPABLE OF PREVENTING THE PASSAGE OF FLAMES AND HOT GASES WHEN TESTED IN ACCORDANCE WITH ASTM-B314.
23. THE ELECTRICIAN SHALL INSTALL A GROUND PATH FOR FAULT CURRENT BY INSTALLING A METAL RACEWAY SYSTEM OR A CABLE HAVING A METALLIC ARMOR OR SHEATH ASSEMBLY FOR ALL RECEPTACLES AND FIXED ELECTRICAL EQUIPMENT IN ALL PARTITIONS.
24. REMAINS OF ALL RECEPTACLES AND ALL NON-OPERATIONAL CONDUCTIVE SURFACES OF FIXED ELECTRICAL EQUIPMENT LIKELY TO BECOME ENERGIZED THAT ARE SUBJECT TO PERSONAL CONTACT, OPERATING AT OVER 100 VOLTS UTILIZING AN INSULATED COPPER CONDUCTOR IN ALL AREAS USED FOR PATIENT CARE.



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**ELECTRICAL LIGHTING PLAN**

REV:  
SCALE: AS NOTED  
JOB#: 2050  
DATE: 2-8-10  
SHEET 23  
OF 25