

# CEG SERVICES INC.

Licensed, Insured Electrical Contractor

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Mike Smith

Project coordinator

John Knox Village

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Mr. Smith,

Below please find the scope of work that CEG Services plans to address at 1704 NW Obrien Road, Lee's Summit, MO. 64081:

100 Unit lobby– Part of the existing open space to be converted into 3 offices.

1. Each office to have utility 120 volt, 20 amp duplex receptacles installed as shown on plan. Receptacles to be powered from the existing 100 amp, 3 phase panel #21. Receptacles in each office space to be powered by a dedicated 20 amp circuit. Receptacles to be wired using 12/2 MC wire, 1900 boxes, mud rings and 20 amp duplex receptacles
2. Each office will have a switched ceiling light.
3. The 30 amp, single phase HVAC unit will be powered by panel 21 and wired with #10/4 MC. A disconnect will be installed in close proximity to the outside HVAC split unit

200 unit – Waiting area to be converted into 2 offices

1. Each office to have utility 120 volt, 20 amp duplex receptacles installed as shown on plan. Receptacles to be powered from the existing 200 amp, 3 phase panel #L-3. Receptacles in each office space to be powered by a dedicated 20 amp circuit. Receptacles to

be wired using 12/2 MC wire, 1900 boxes, mud rings and 20 amp duplex receptacles

2. Each office will have a switched ceiling light.
3. The 30 amp, single phase HVAC unit will be powered by panel L-3 and wired with #10/4 MC. A disconnect will be installed in close proximity to the outside HVAC split unit

300 Unit – Part of open lobby space to be converted into break area

1. This space to have utility 120 volt, 20 amp duplex receptacles installed as shown on plan. Receptacles to be powered from the existing 100 amp, 3 phase panel M-3. Utility receptacles in this space to be powered by a dedicated 20 amp circuit. A dedicated microwave circuit to be installed. All receptacles to be wired using 12/2 MC wire, 1900 boxes, mud rings and 20 amp duplex receptacles. A dedicated counter circuit to be installed. Counter receptacles to be GFCI protected receptacles.
2. This space will have switched ceiling lights.
3. The 30 amp, single phase HVAC split unit will be powered by panel M-3 and wired with #10/4 MC. A disconnect will be installed in close proximity to the outside HVAC unit

Note: Between 1/02/2018 and 1/10/2018 we installed recording load peak meters on all 3 phases of panel #21, #2, #L-3 and E-3. At no time during that test period did the load on any phase exceed 38% of the power available to the panels tested. From that test, we believe that there is ample headroom available to power the additional loads listed.

Chris Gussman

Owner

CEG Services Inc